

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021020\
 Data File : BF118874.D
 Acq On : 10 Feb 2020 17:46
 Operator : CG/JU
 Sample : L1472-04MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Manual Integrations
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mohammad
 2/13/2020 10:28:43 AM

Quant Time: Feb 11 09:27:37 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	196203	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	741425	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	552947	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1213188	20.00	ng	0.00
76) Chrysene-d12	13.97	240	731475	20.00	ng	0.00
87) Perylene-d12	15.42	264	686308	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.45	112	1335557	128.85	ng	0.01
7) Phenol-d6	6.46	99	1649583	128.21	ng	0.00
23) Nitrobenzene-d5	7.38	82	1075721	86.48	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	898610	135.82	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2706022	87.49	ng	0.00
79) Terphenyl-d14	12.92	244	3111733	87.38	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.58	88	274779	58.171	ng	98
3) Pyridine	3.33	79	705398	53.779	ng	99
4) n-Nitrosodimethylamine	3.26	42	309078	64.721	ng	100
6) Aniline	6.47	93	543380	32.790	ng	# 44
8) 2-Chlorophenol	6.60	128	626051	54.228	ng	99
9) Benzaldehyde	6.36	77	277995	36.272	ng	98
10) Phenol	6.47	94	714124	49.915	ng	84
11) bis(2-Chloroethyl)ether	6.55	93	573508	52.397	ng	100
12) 1,3-Dichlorobenzene	6.76	146	676469	49.226	ng	99
13) 1,4-Dichlorobenzene	6.83	146	684787	49.957	ng	99
14) 1,2-Dichlorobenzene	6.99	146	637115	48.656	ng	98
15) Benzyl Alcohol	6.96	79	519677	52.253	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	646615	48.240	ng	94
17) 2-Methylphenol	7.07	107	501798	52.280	ng	99
18) Hexachloroethane	7.33	117	239649	48.712	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	402547	51.133	ng	98
20) 3+4-Methylphenols	7.23	107	596261	49.560	ng	96
22) Acetophenone	7.22	105	798217	49.553	ng	# 96
24) Nitrobenzene	7.40	77	619378	49.843	ng	95
25) Isophorone	7.64	82	1134933	50.768	ng	98
26) 2-Nitrophenol	7.72	139	348412	52.618	ng	96
27) 2,4-Dimethylphenol	7.76	122	536168	59.609	ng	100
28) bis(2-Chloroethoxy)methane	7.85	93	715975	49.390	ng	99
29) 2,4-Dichlorophenol	7.96	162	557068	51.714	ng	99
30) 1,2,4-Trichlorobenzene	8.04	180	610151	48.460	ng	99
31) Naphthalene	8.12	128	1730396	51.029	ng	99
32) Benzoic acid	7.89	122	326839	43.887	ng	99
33) 4-Chloroaniline	8.16	127	237592	15.661	ng	99
34) Hexachlorobutadiene	8.24	225	370208	47.992	ng	99
35) Caprolactam	8.55	113	193856m	55.514	ng	
36) 4-Chloro-3-methylphenol	8.66	107	583703	53.844	ng	99
37) 2-Methylnaphthalene	8.81	142	1240402	52.743	ng	97
38) 1-Methylnaphthalene	8.91	142	1164787	52.649	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	788221	47.232	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	553957	84.654	nq	98
43) 2,4,6-Trichlorophenol	9.09	196	547715	49.080	nq	100
44) 2,4,5-Trichlorophenol	9.14	196	594851	52.168	nq	99
46) 1,1'-Biphenyl	9.27	154	1903263	49.759	nq	100
47) 2-Chloronaphthalene	9.30	162	1547858	48.677	nq	99
48) 2-Nitroaniline	9.39	65	454242	49.529	nq	90
49) Acenaphthylene	9.72	152	2363691	51.482	nq	99
50) Dimethylphthalate	9.58	163	2054799	54.576	nq	99
51) 2,6-Dinitrotoluene	9.63	165	452852	52.567	nq	94
52) Acenaphthene	9.89	154	1391996	46.010	nq	100
53) 3-Nitroaniline	9.80	138	240080	25.128	nq	98
54) 2,4-Dinitrophenol	9.92	184	374861	90.514	nq	96
55) Dibenzofuran	10.06	168	2262818	51.754	nq	99
56) 4-Nitrophenol	9.98	139	674631	97.565	nq	99
57) 2,4-Dinitrotoluene	10.04	165	638578	56.012	nq	# 85
58) Fluorene	10.40	166	1774214	53.938	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.18	232	529115	53.134	nq	99
60) Diethylphthalate	10.27	149	2028355	55.403	nq	100
61) 4-Chlorophenyl-phenylether	10.39	204	953162	53.432	nq	97
62) 4-Nitroaniline	10.42	138	488882	51.098	nq	99
63) Azobenzene	10.55	77	1832393	58.626	nq	99
65) 4,6-Dinitro-2-methylphenol	10.45	198	355694	52.177	nq	97
66) n-Nitrosodiphenylamine	10.51	169	1712461	48.731	nq	98
67) 4-Bromophenyl-phenylether	10.88	248	687228	47.885	nq	97
68) Hexachlorobenzene	10.95	284	758755	46.094	nq	98
69) Atrazine	11.04	200	676241	57.761	nq	100
70) Pentachlorophenol	11.15	266	753795	86.725	nq	99
71) Phenanthrene	11.36	178	2812402	47.116	nq	98
72) Anthracene	11.42	178	2890460	48.676	nq	99
73) Carbazole	11.57	167	2610918	50.100	nq	99
74) Di-n-butylphthalate	11.90	149	2507653	37.774	nq	100
75) Fluoranthene	12.55	202	2394916	36.748	nq	99
77) Benzidine	12.67	184	1183411	53.490	nq	98
78) Pyrene	12.78	202	2384388	47.516	nq	99
80) Butylbenzylphthalate	13.39	149	1196799	52.253	nq	100
81) Benzo(a)anthracene	13.97	228	2027287	46.575	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	674479	37.887	nq	99
83) Chrysene	14.00	228	2040554	46.709	nq	99
84) Bis(2-ethylhexyl)phthalate	13.96	149	1673739	57.598	nq	98
85) Di-n-octyl phthalate	14.56	149	2838406	57.017	nq	100
86) Indeno(1,2,3-cd)pyrene	16.86	276	2257067	51.422	nq	100
88) Benzo(b)fluoranthene	15.00	252	2017614	47.377	nq	99
89) Benzo(k)fluoranthene	15.03	252	1939054	52.287	nq	99
90) Benzo(a)pyrene	15.36	252	1775607	48.719	nq	99
91) Dibenzo(a,h)anthracene	16.88	278	1906295	58.919	nq	99
92) Benzo(g,h,i)perylene	17.30	276	1889109	60.713	nq	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

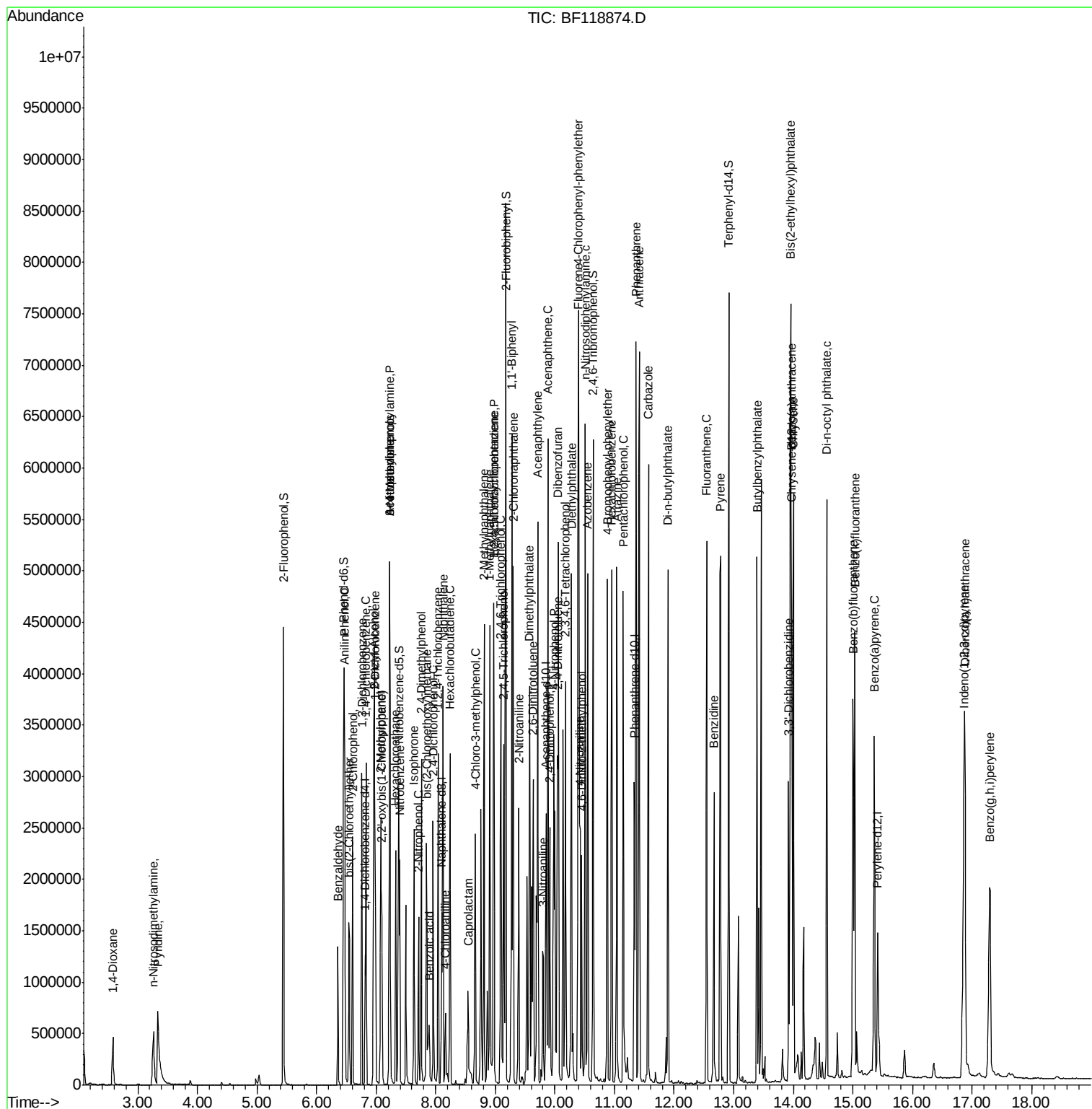
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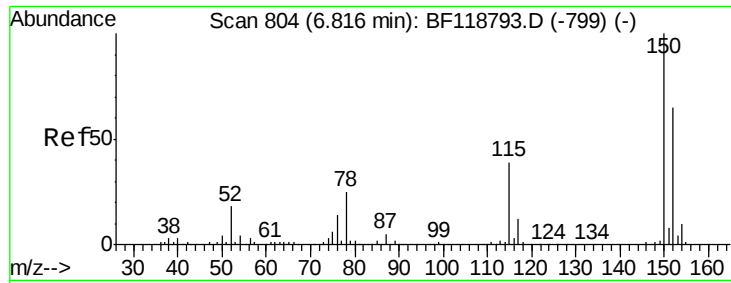
Instrument :
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#1

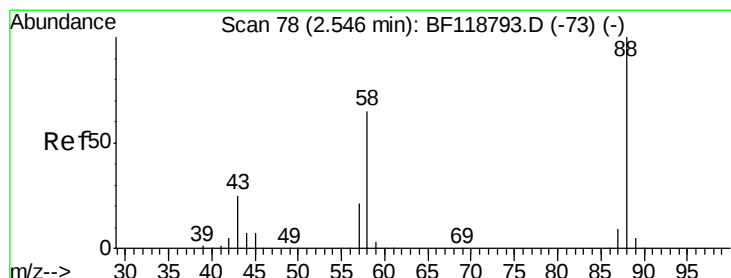
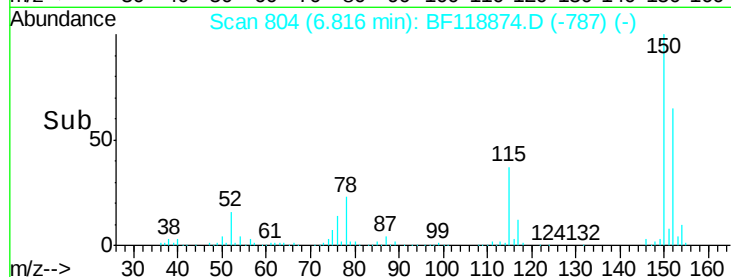
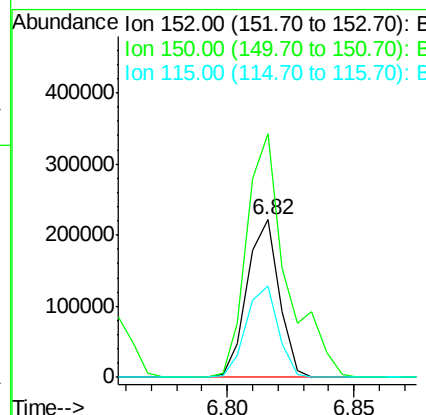
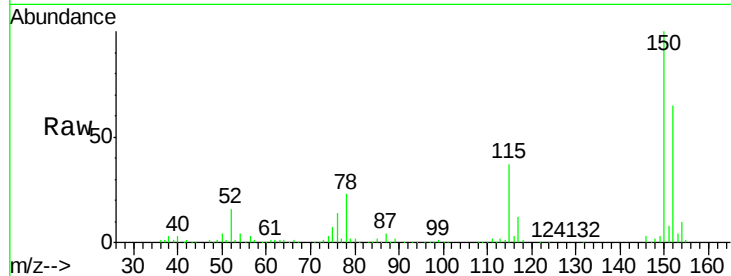
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	123.6	185.4
115	57.7	48.2	72.2

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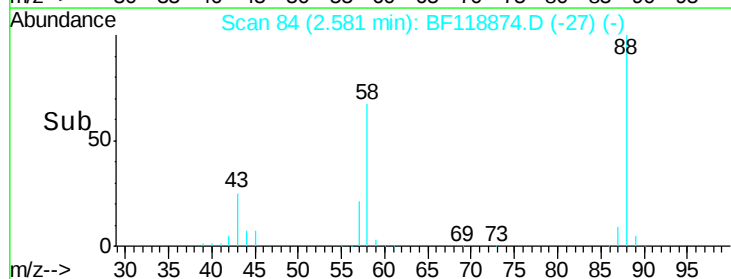
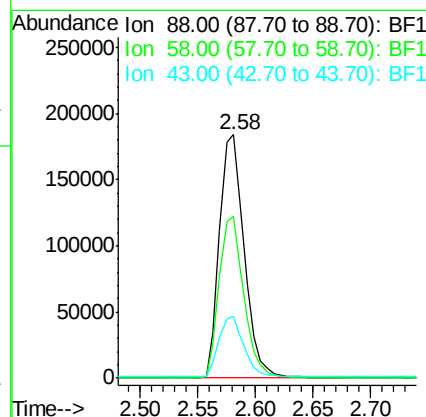
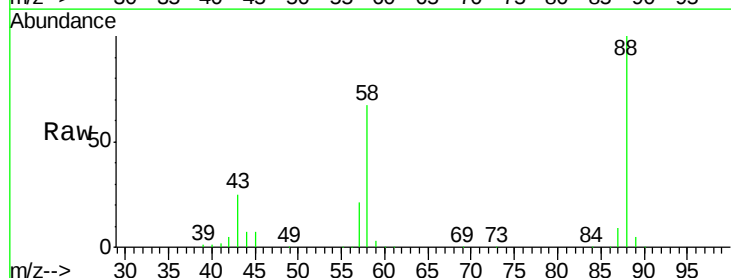
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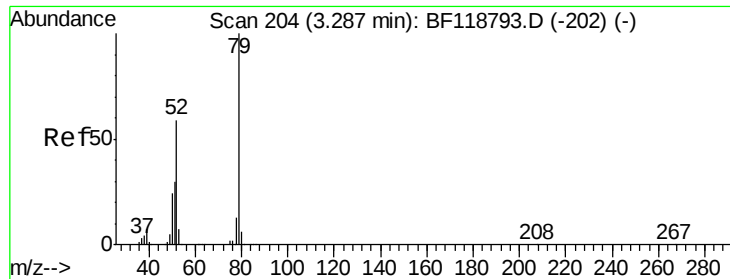


#2

1,4-Dioxane
Concen: 58.171 ng
RT: 2.58 min Scan# 84
Delta R.T. 0.04 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
88	100		
58	66.3	51.6	77.4
43	25.3	19.8	29.6





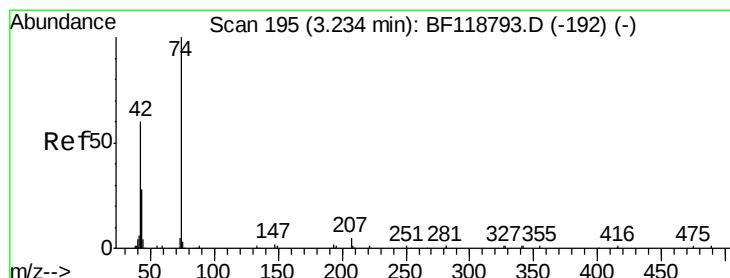
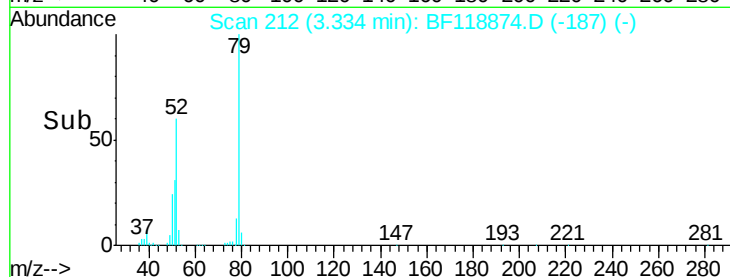
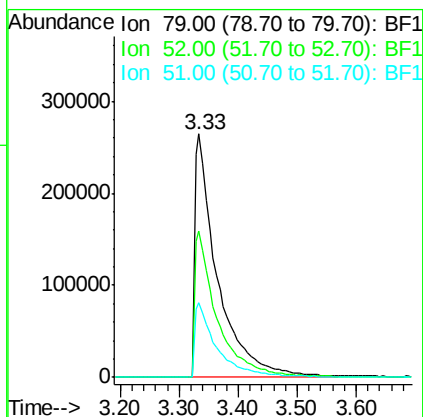
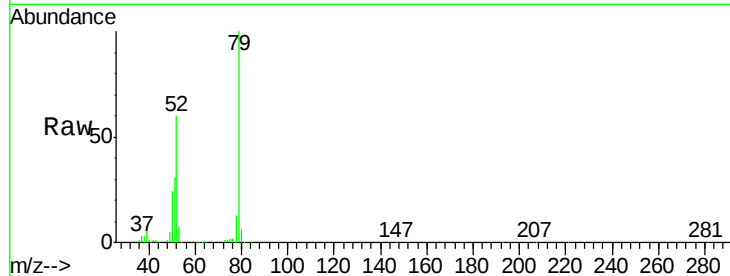
#3
 Pvridine
 Concen: 53.779 ng
 RT: 3.33 min Scan# 212
 Delta R.T. 0.05 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	60.0	47.4	71.0
51	30.6	24.2	36.4

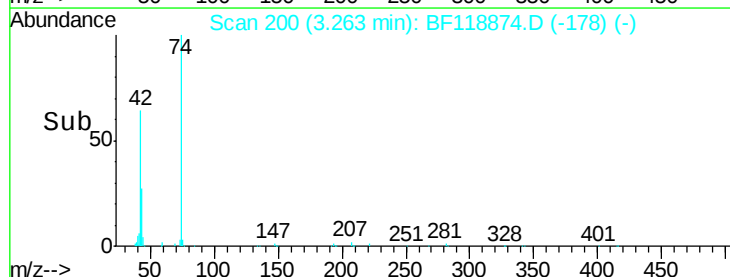
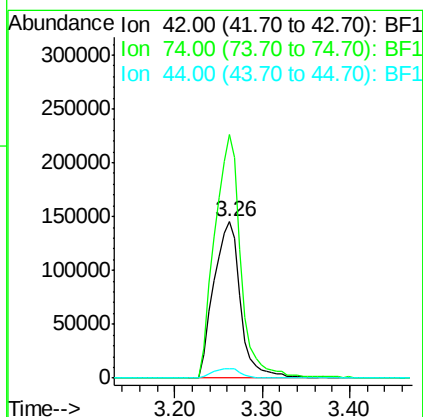
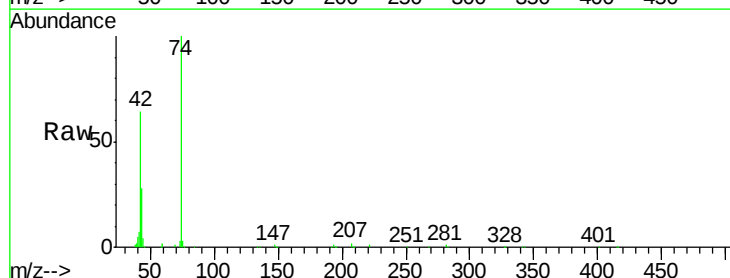
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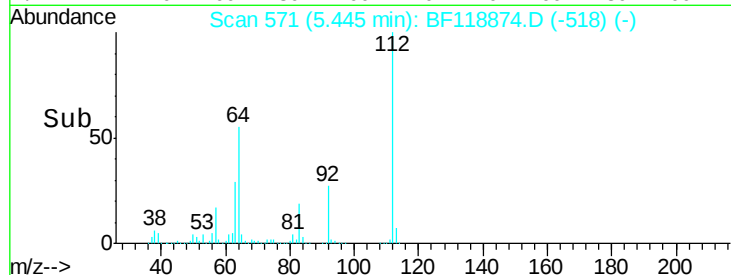
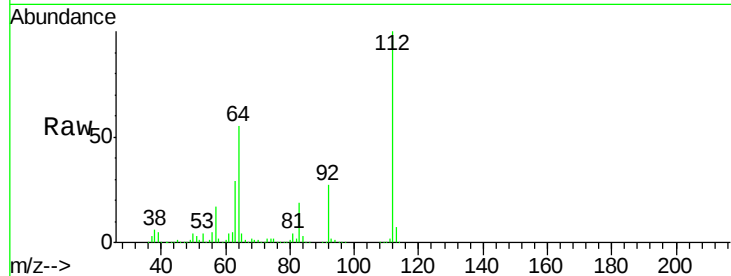
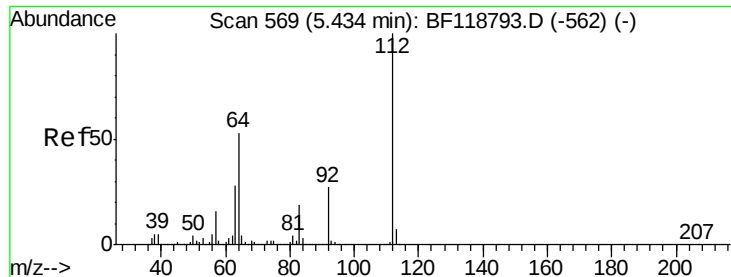
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#4
 n-Nitrosodimethylamine
 Concen: 64.721 ng
 RT: 3.26 min Scan# 200
 Delta R.T. 0.03 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
42	100		
74	155.8	124.3	186.5
44	6.3	5.3	7.9





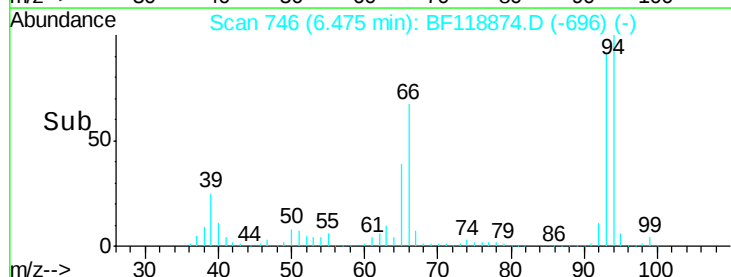
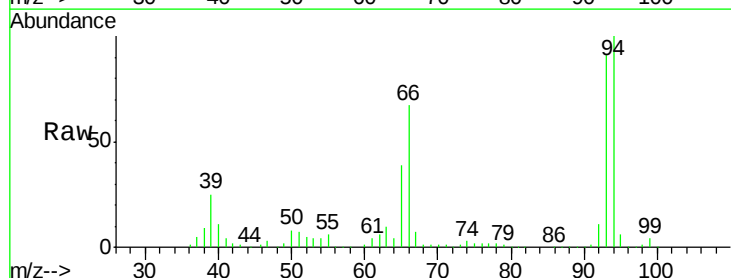
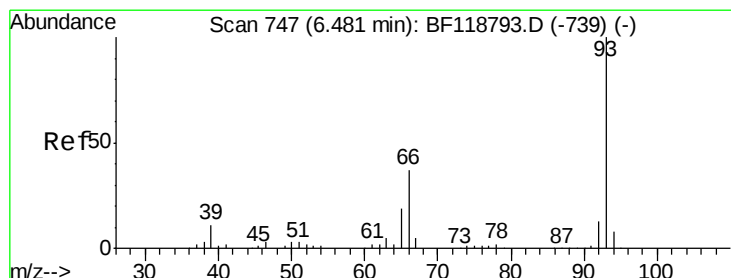
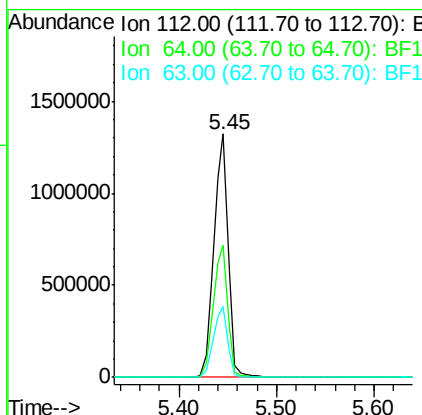
#5
2-Fluorophenol
Concen: 128.852 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tot Ion	Ratio	Lower	Upper
112	100		
64	54.6	42.6	63.8
63	29.0	22.2	33.4

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

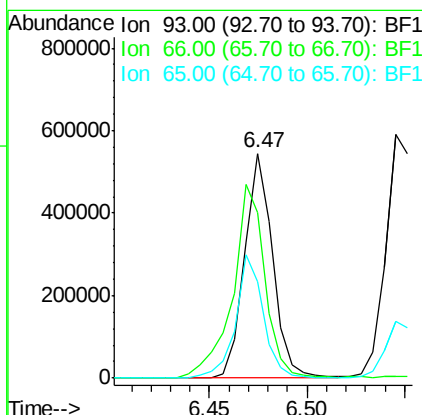
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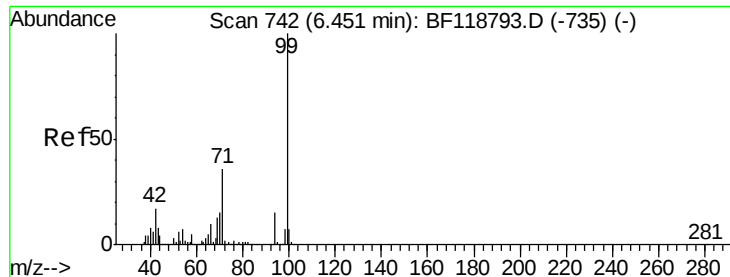
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#6
Aniline
Concen: 32.790 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
93	100		
66	73.6	30.8	46.2#
65	43.1	15.4	23.0#





#7

Phenol-d6

Concen: 128.206 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tot Ion: 99 Resp: 1649583

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

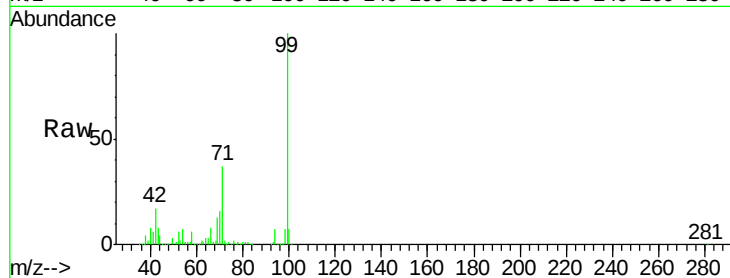
71 37.0 29.0 43.6

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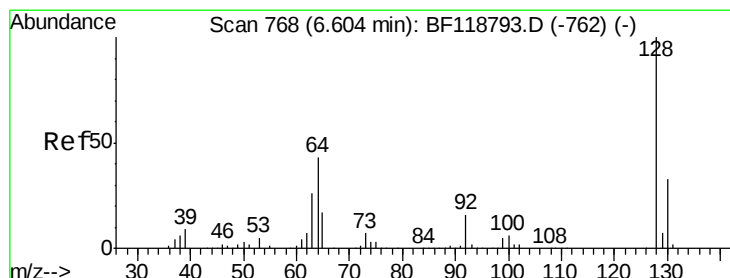
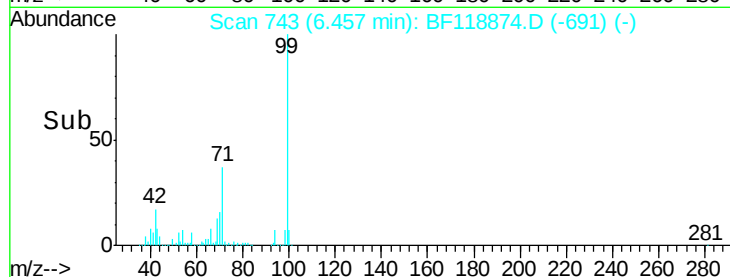
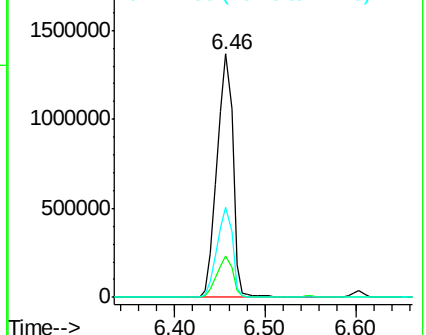
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 54.228 ng

RT: 6.60 min Scan# 768

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

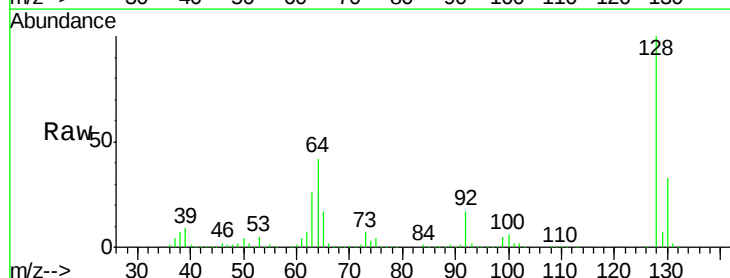
Tgt Ion: 128 Resp: 626051

Ion Ratio Lower Upper

128 100

130 33.3 13.1 53.1

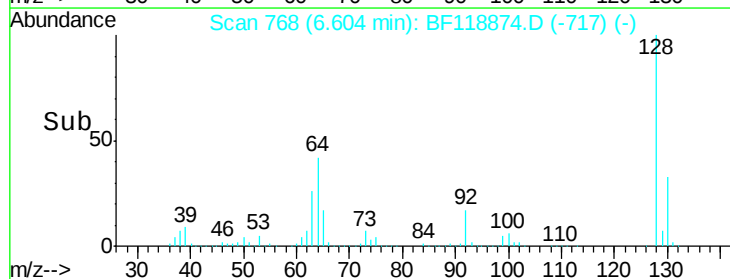
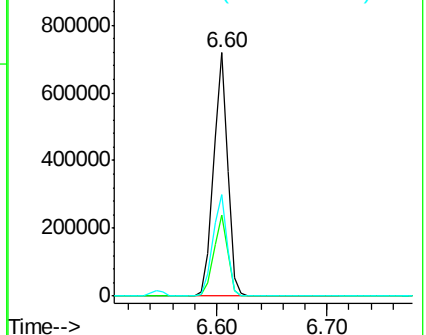
64 41.5 23.0 63.0

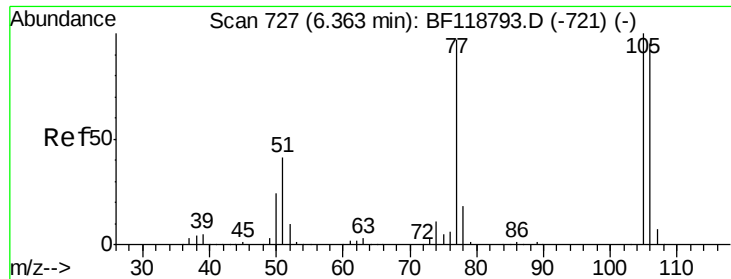


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 36.272 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

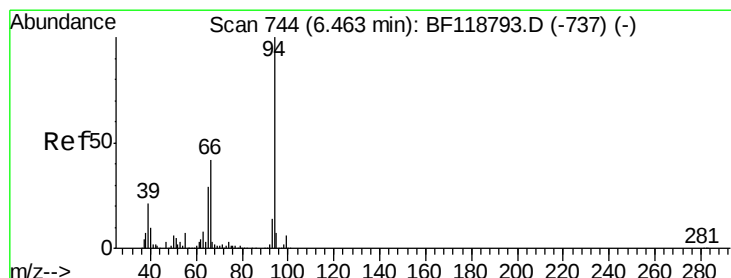
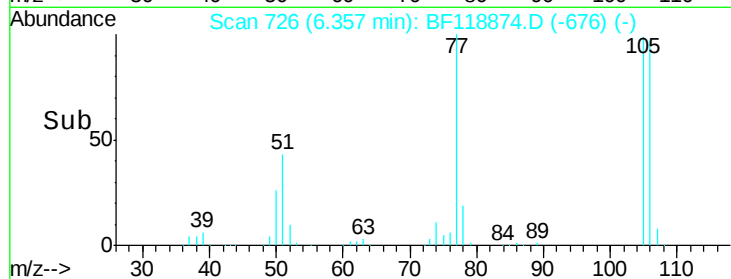
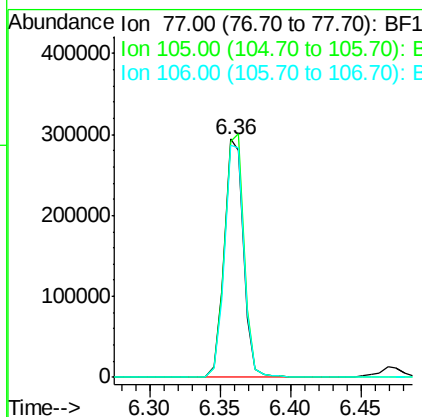
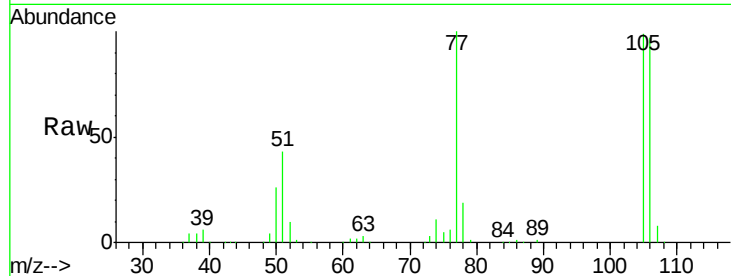
ClientSampleId :

TP-4MSD

Tot Ion:	77	Resp:	277995
Ion	Ratio	Lower	Upper
77	100		
105	98.9	82.8	122.8
106	97.4	78.1	118.1

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#10

Phenol

Concen: 49.915 ng

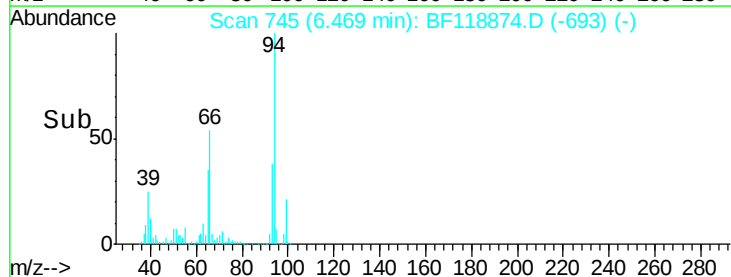
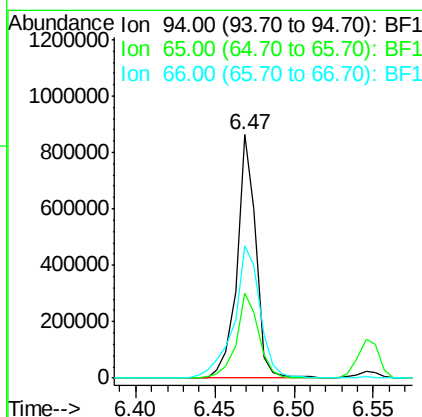
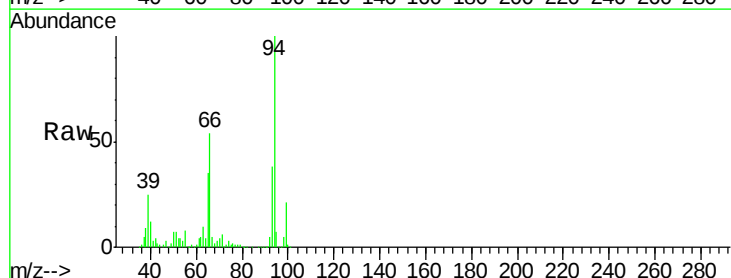
RT: 6.47 min Scan# 745

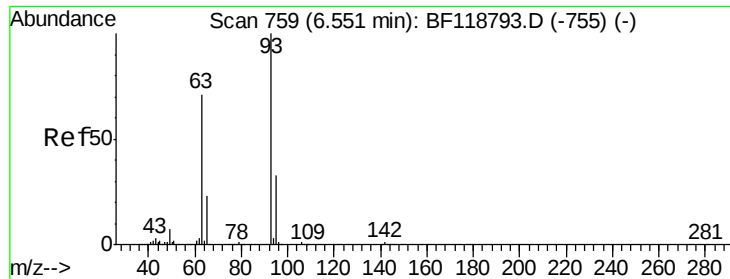
Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Tgt Ion:	94	Resp:	714124
Ion	Ratio	Lower	Upper
94	100		
65	34.6	9.1	49.1
66	54.2	21.7	61.7





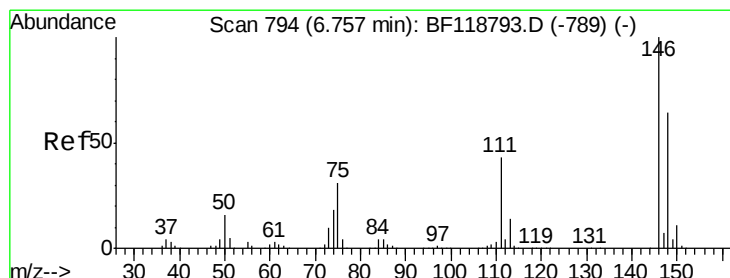
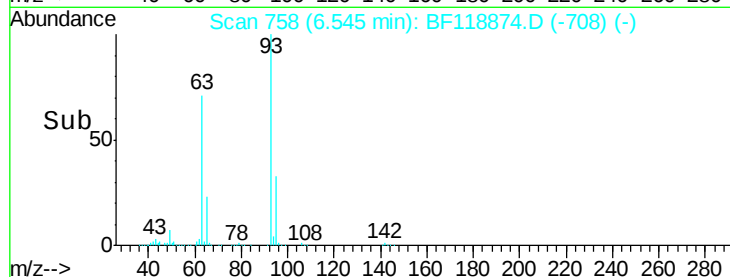
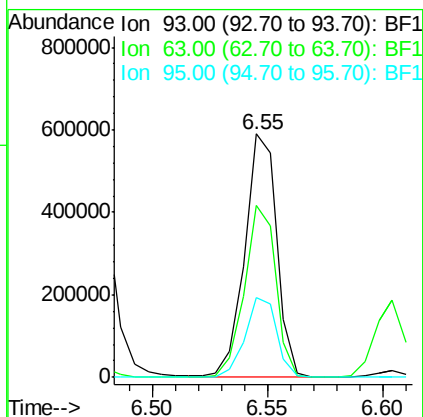
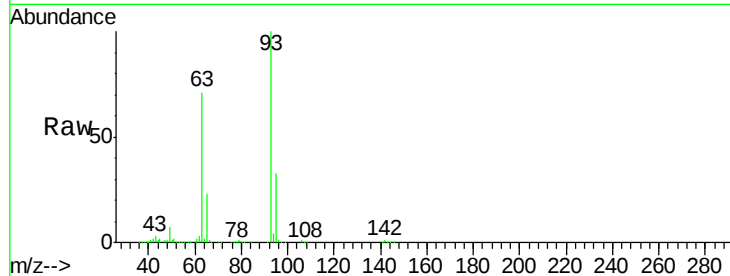
#11
bis(2-Chloroethyl)ether
Concen: 52.397 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
93	100	573508		
63	70.6		50.7	90.7
95	32.6		12.6	52.6

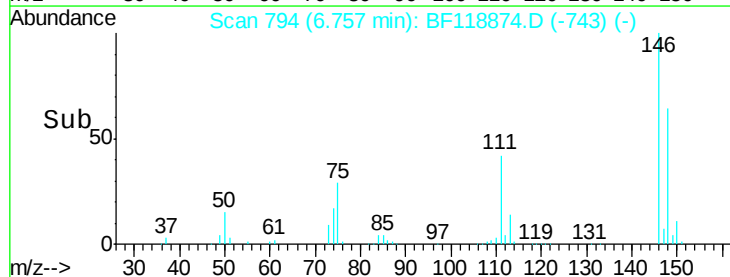
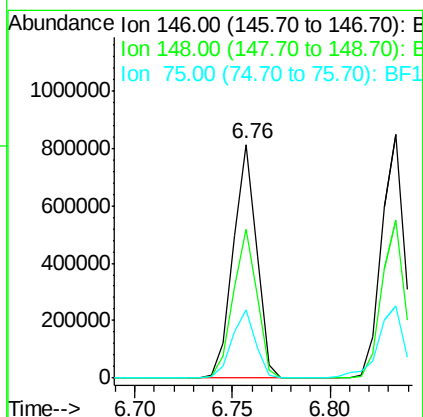
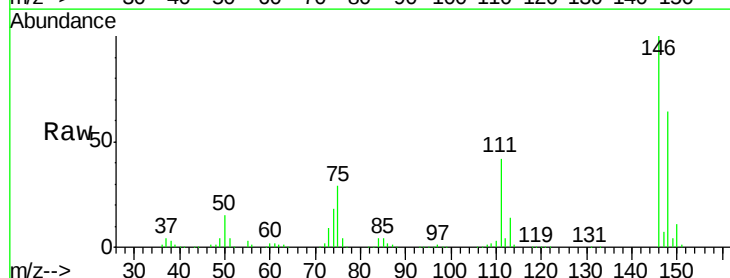
Manual Integrations
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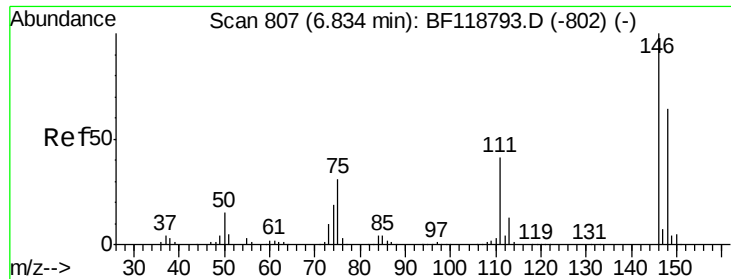
mohammad
2/13/2020 10:28:43 AM



#12
1,3-Dichlorobenzene
Concen: 49.226 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	676469		
148	63.7		51.1	76.7
75	29.2		25.0	37.4





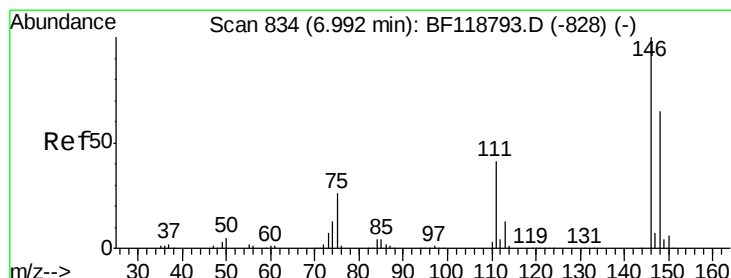
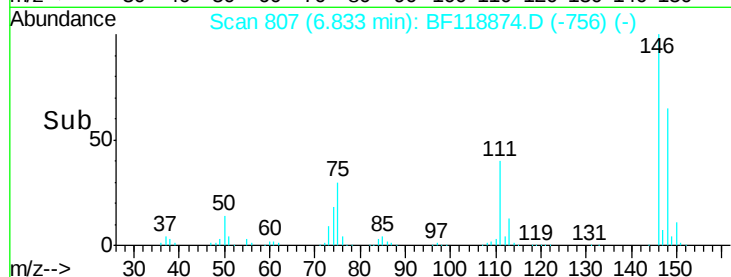
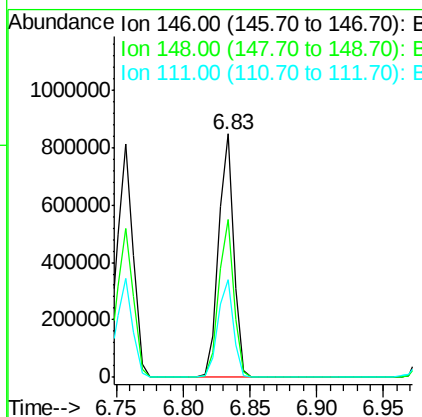
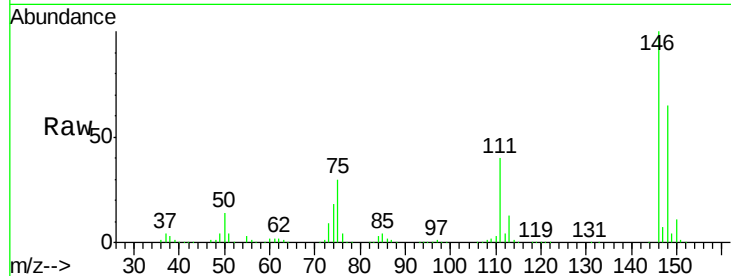
#13
 1,4-Dichlorobenzene
 Concen: 49.957 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.6	77.4
111	40.1	32.9	49.3

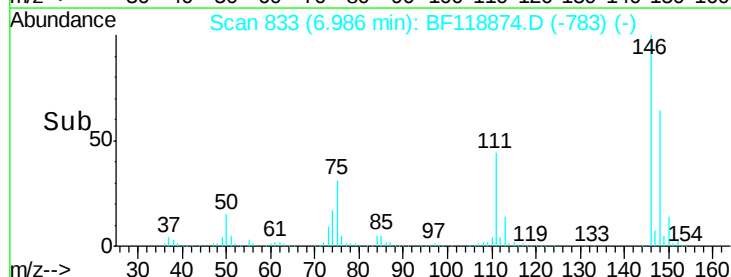
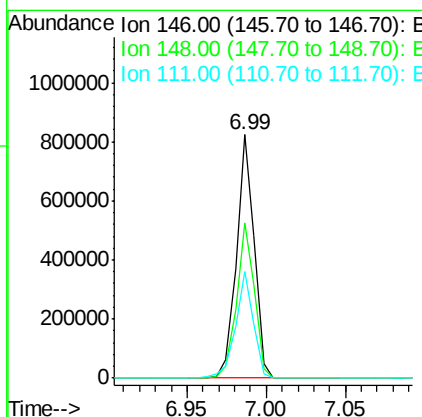
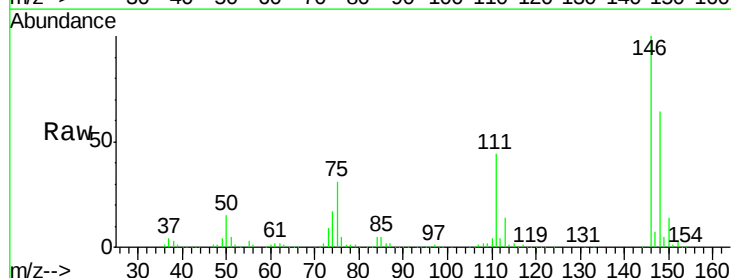
Manual Integrations
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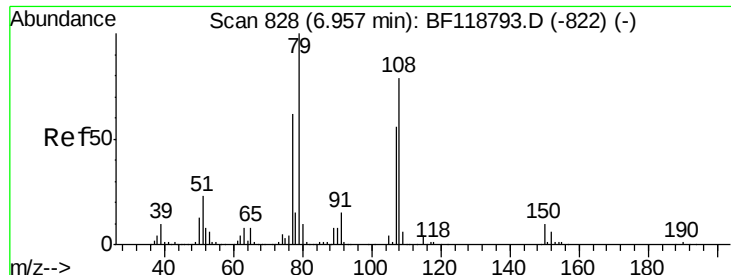
mohammad
 2/13/2020 10:28:43 AM



#14
 1,2-Dichlorobenzene
 Concen: 48.656 ng
 RT: 6.99 min Scan# 833
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
111	43.7	32.7	49.1





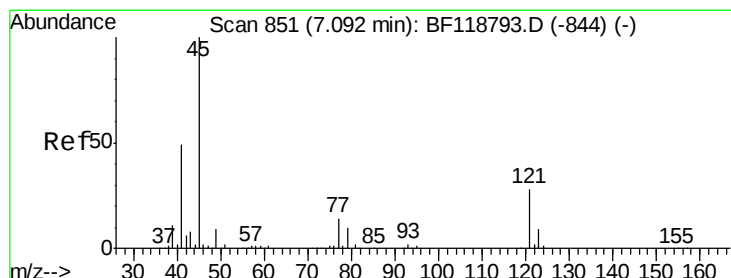
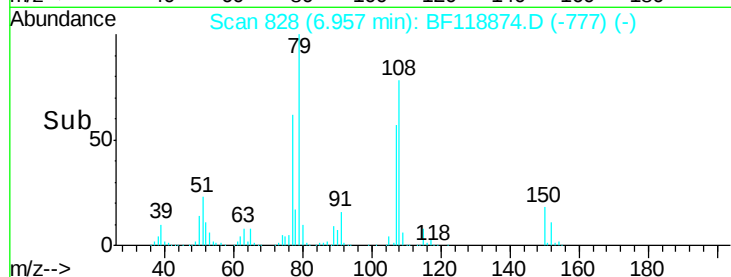
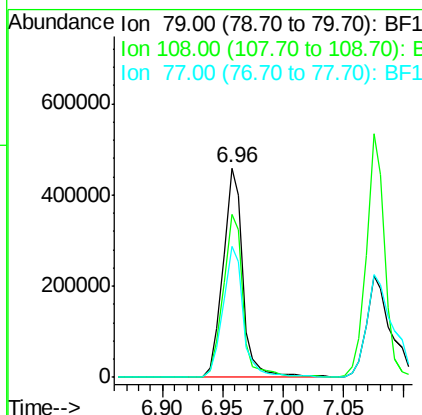
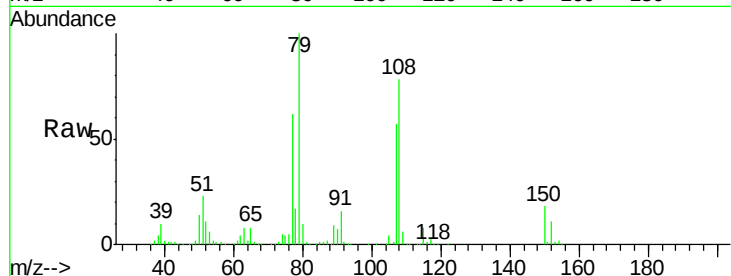
#15
Benzyl Alcohol
Concen: 52.253 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	77.8	62.9	94.3
77	62.5	50.0	75.0

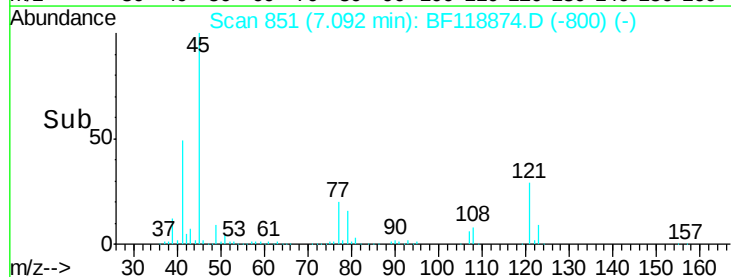
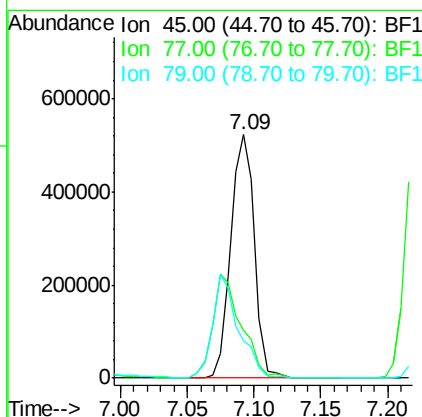
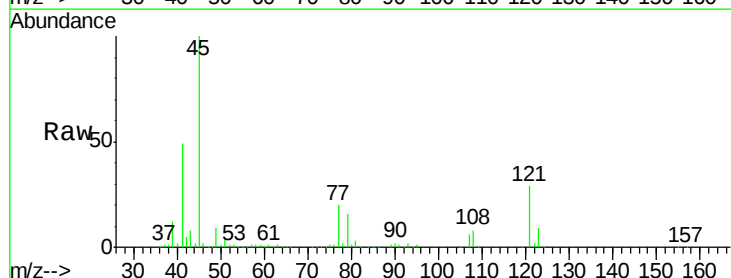
Manual Integrations
APPROVED

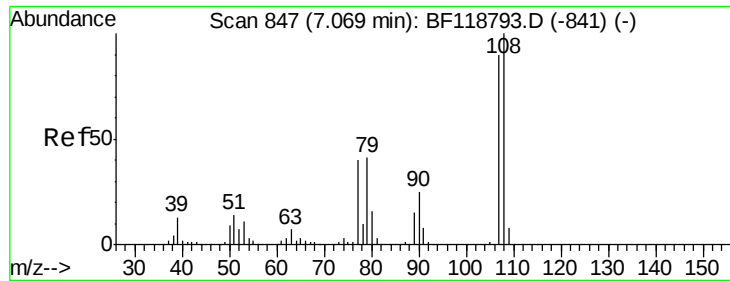
mohammad
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#16
2,2'-oxybis(1-chloropropane)
Concen: 48.240 ng
RT: 7.09 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
45	100		
77	19.7	0.0	37.1
79	15.7	0.0	33.1





#17

2-Methylphenol

Concen: 52.280 ng

RT: 7.07 min Scan# 848

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

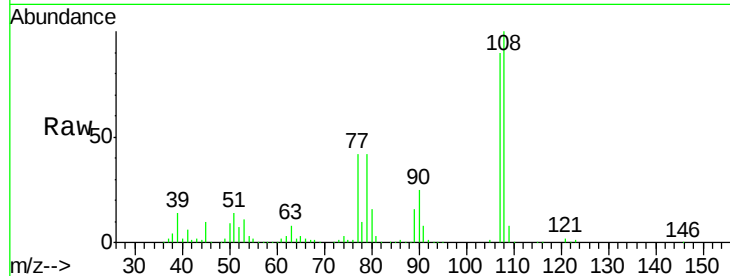
ClientSampled :

TP-4MSD

Tot Ion:	107	Resp:	501798
Ion Ratio	Lower	Upper	
107	100		
108	110.8	89.3	133.9
77	46.7	36.2	54.2
79	46.3	36.3	54.5

Manual Integrations
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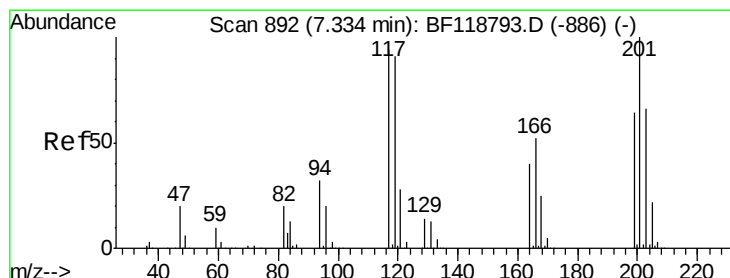
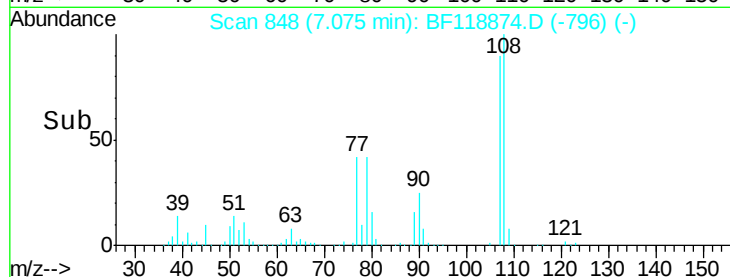
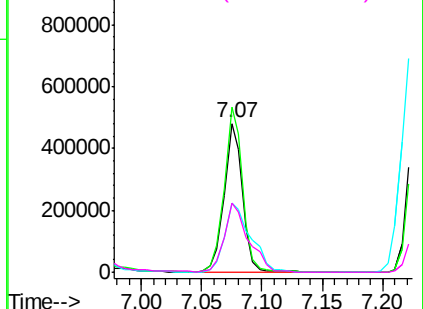
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 48.712 ng

RT: 7.33 min Scan# 891

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

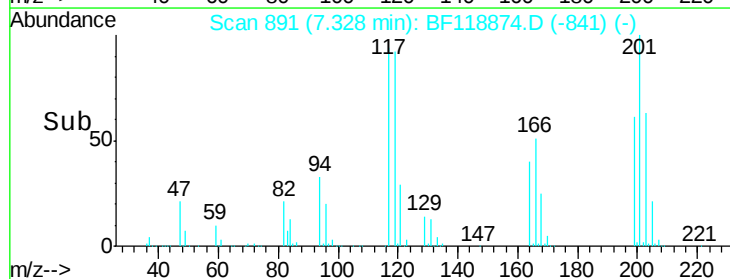
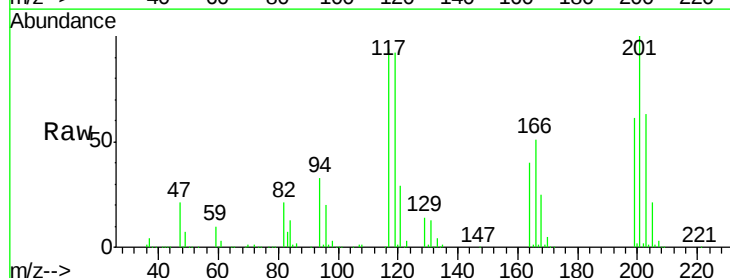
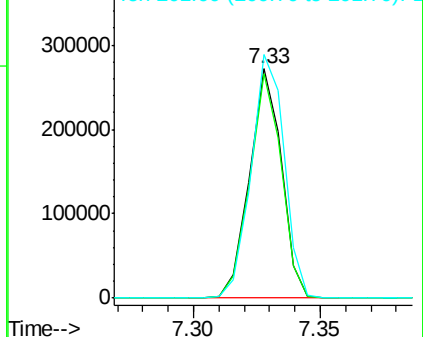
Tgt Ion:	117	Resp:	239649
Ion Ratio	Lower	Upper	
117	100		
119	97.7	77.4	116.0
201	106.2	85.1	127.7

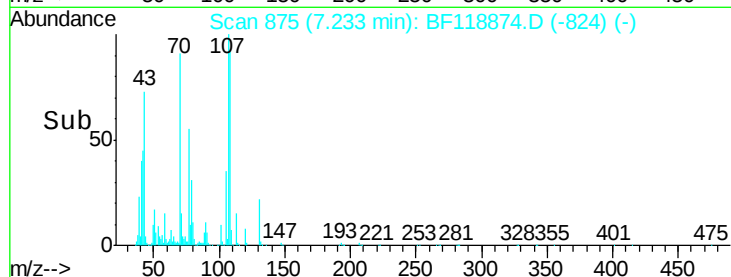
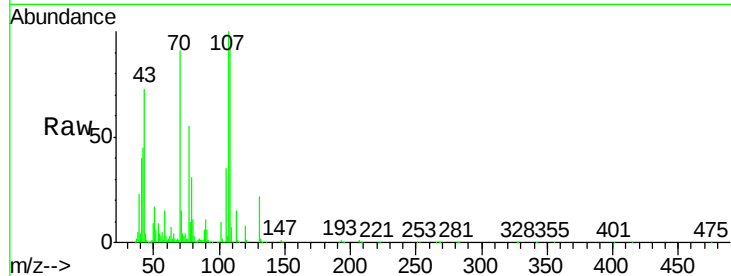
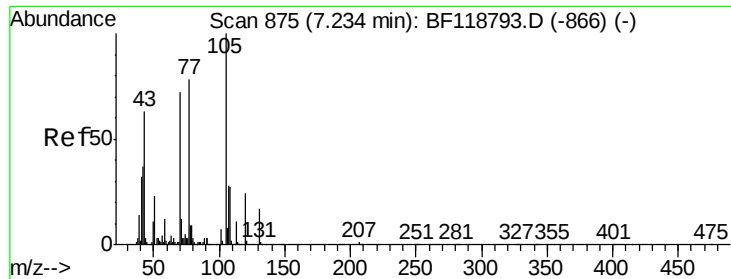
Abundance

Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





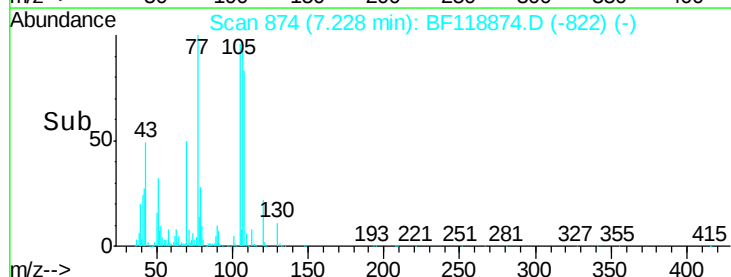
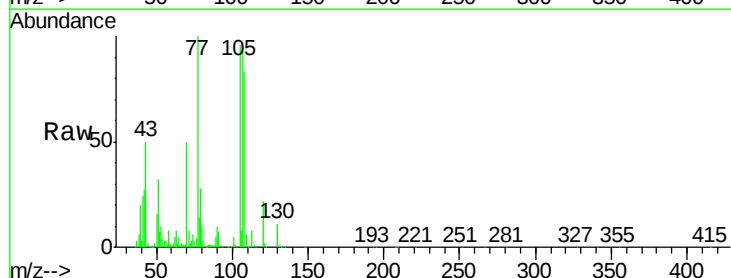
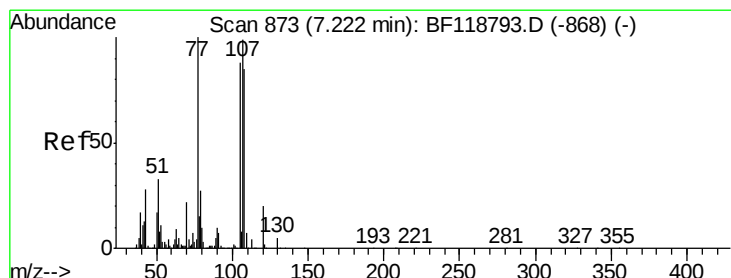
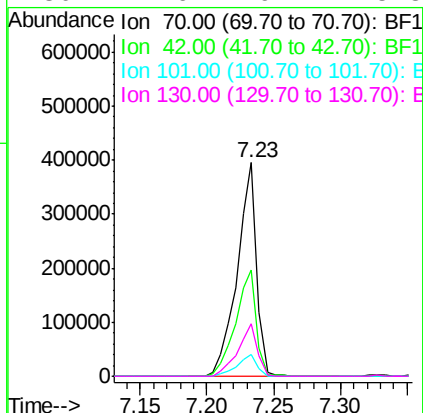
#19
n-Nitroso-di-n-propylamine
Concen: 51.133 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	49.6	41.5	62.3
101	10.5	8.3	12.5
130	24.6	19.2	28.8

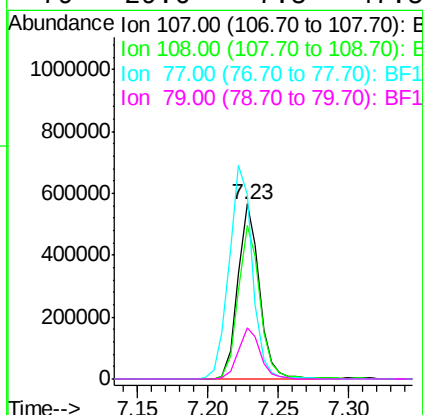
Manual Integrations
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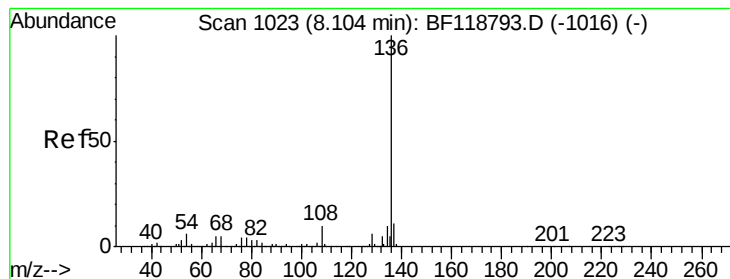
mohammad
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#20
3+4-Methylphenols
Concen: 49.560 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
107	100		
108	88.0	65.9	105.9
77	105.7	80.9	120.9
79	29.6	7.5	47.5





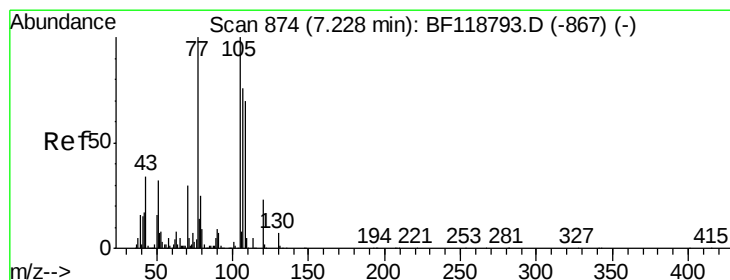
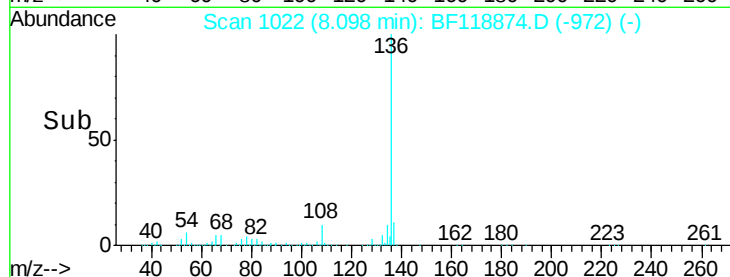
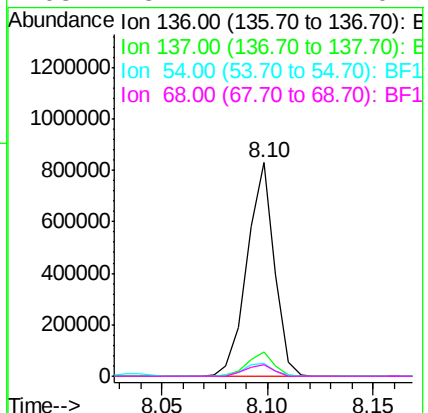
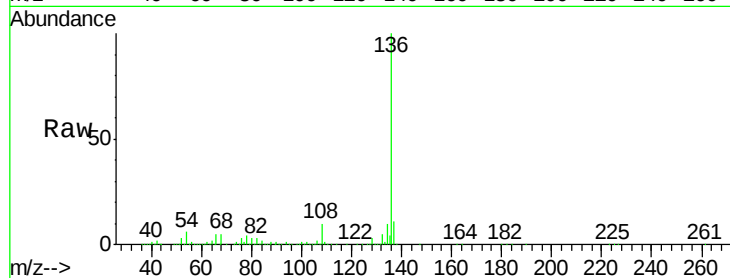
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	741425		
137	11.2	8.7	13.1	
54	6.0	5.0	7.6	
68	5.4	4.2	6.4	

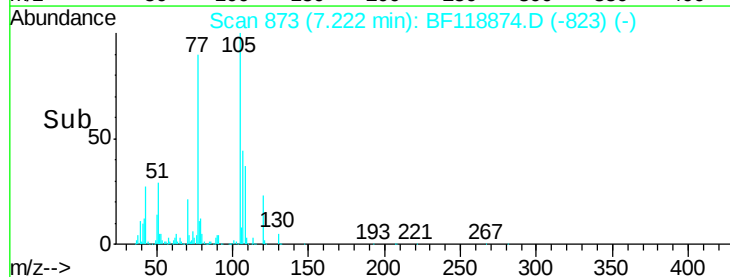
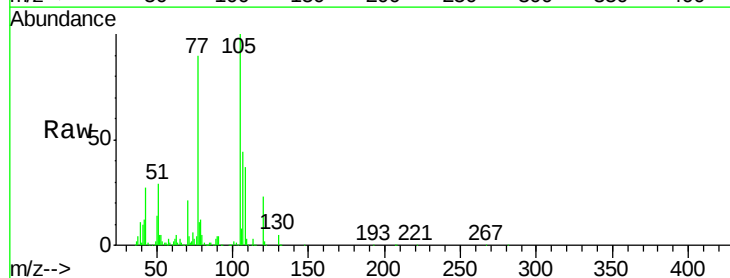
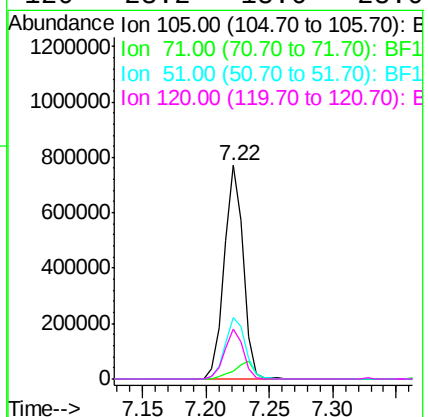
Manual Integrations
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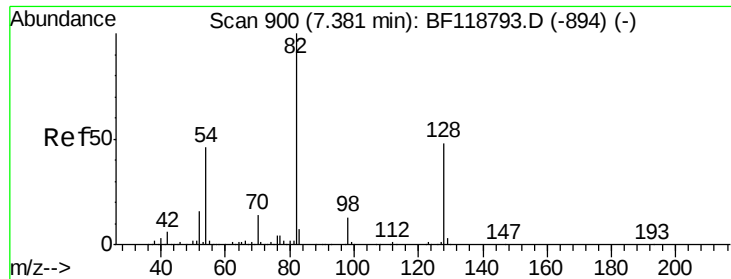
mohammad
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#22
Acetophenone
Concen: 49.553 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	798217		
71	3.6	4.2	6.4#	
51	28.7	25.5	38.3	
120	23.2	18.6	28.0	





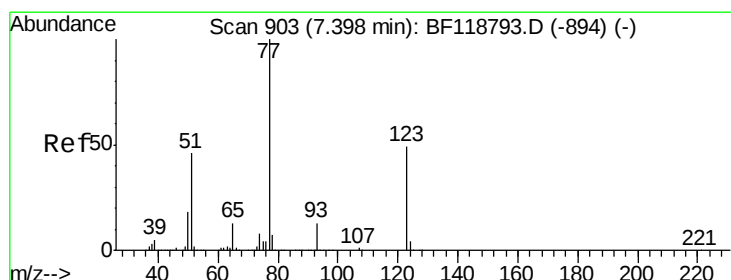
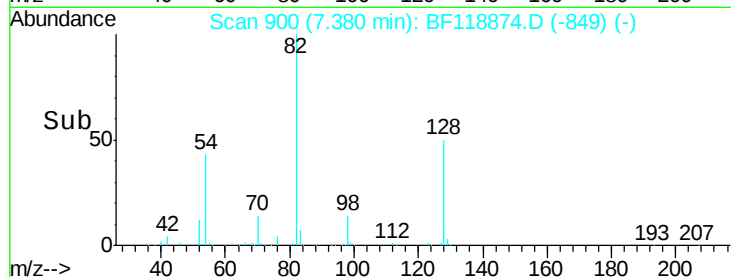
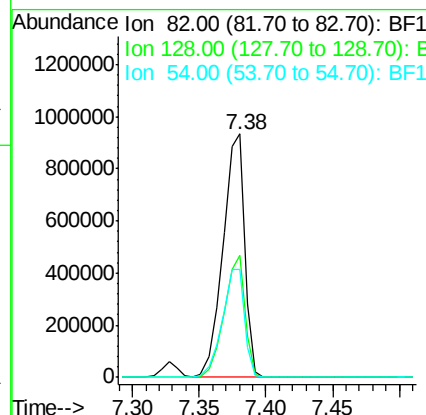
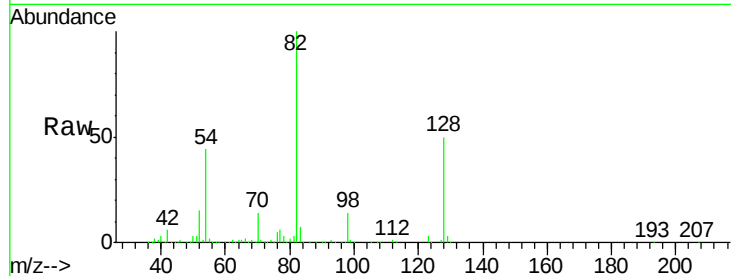
#23
 Nitrobenzene-d5
 Concen: 86.480 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion	82	Resp	1075721
Ion Ratio	100	Lower	Upper
82	100		
128	50.1	38.5	57.7
54	44.2	36.7	55.1

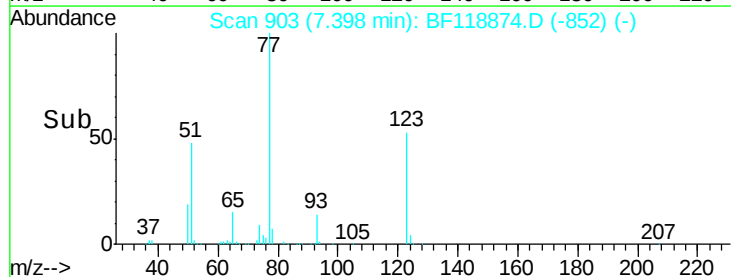
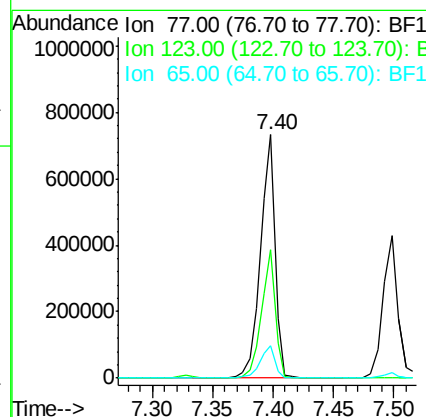
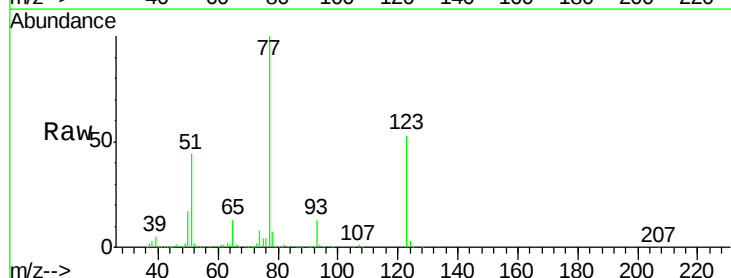
Manual Integrations
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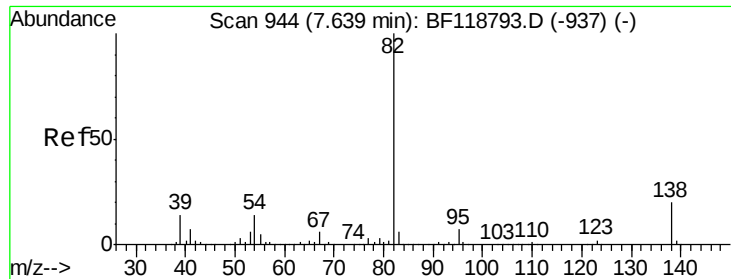
mohammad
 2/13/2020 10:28:43 AM



#24
 Nitrobenzene
 Concen: 49.843 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion	77	Resp	619378
Ion Ratio	100	Lower	Upper
77	100		
123	52.6	39.0	58.4
65	13.3	10.6	15.8





#25

Isophorone

Concen: 50.768 ng

RT: 7.64 min Scan# 944

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampled :

TP-4MSD

Tot Ion: 82 Resp: 1134933

Ion Ratio Lower Upper

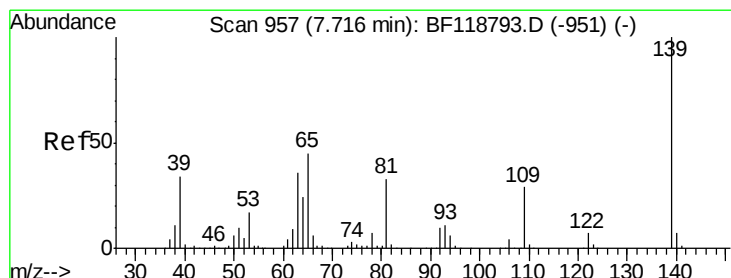
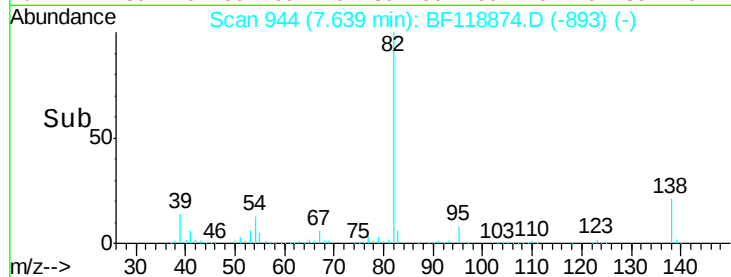
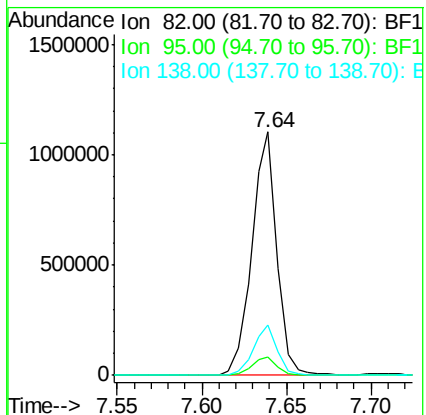
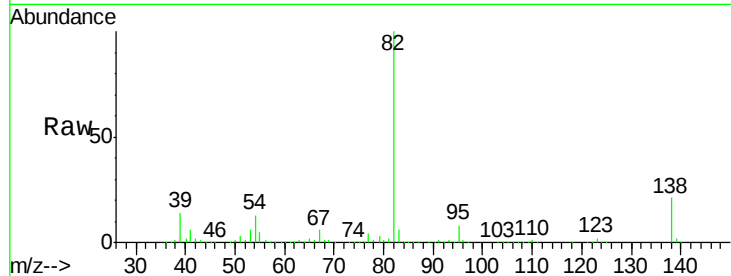
82 100

95 7.8 6.0 9.0

138 20.9 15.7 23.5

Manual Integrations
APPROVED

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#26

2-Nitrophenol

Concen: 52.618 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

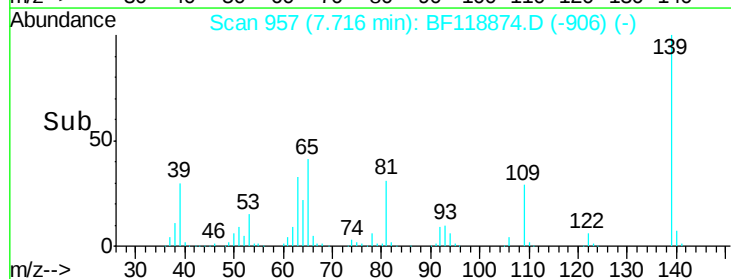
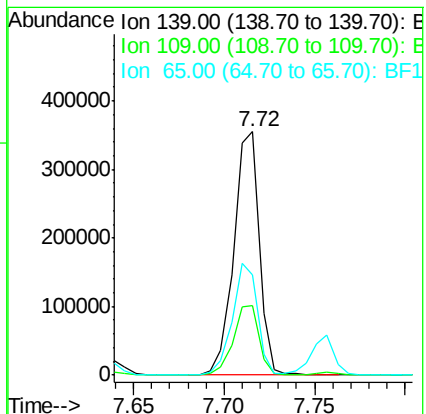
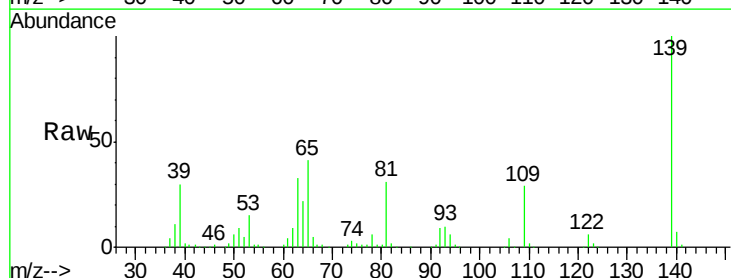
Tgt Ion: 139 Resp: 348412

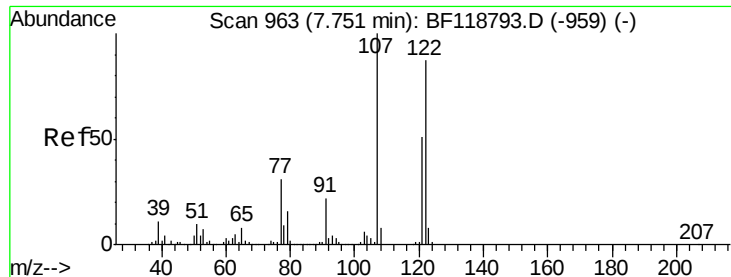
Ion Ratio Lower Upper

139 100

109 28.5 23.4 35.0

65 41.1 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 59.609 ng

RT: 7.76 min Scan# 964

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

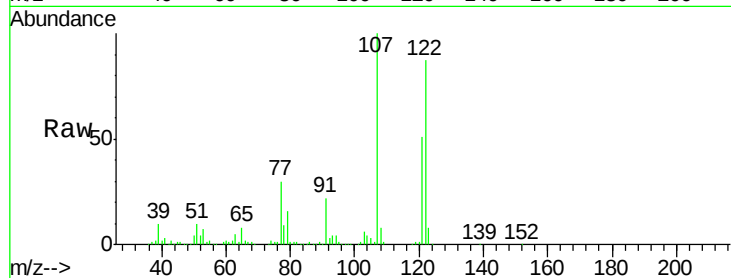
ClientSampleId :

TP-4MSD

Tot Ion:	122	Resp:	536168
Ion Ratio	Lower	Upper	
122	100		
107	115.5	92.2	138.2
121	58.9	46.8	70.2

Manual Integrations
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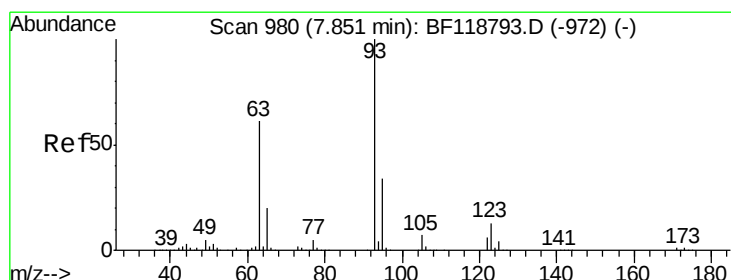
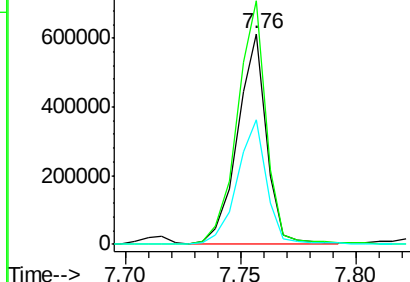
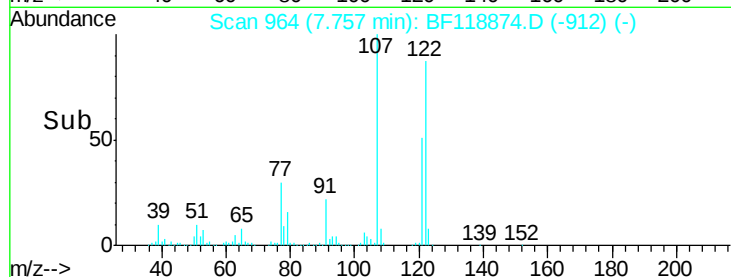
mohammad
2/13/2020 10:28:43 AM



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 49.390 ng

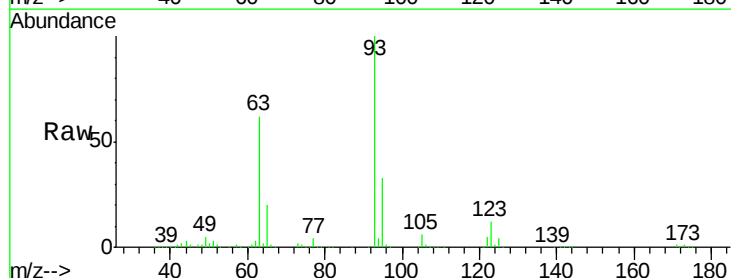
RT: 7.85 min Scan# 979

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

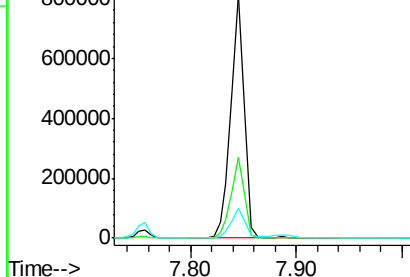
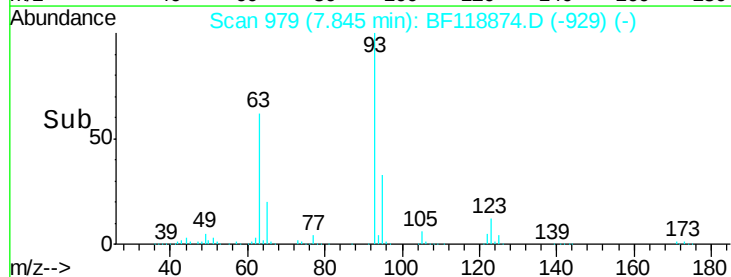
Tgt Ion:	93	Resp:	715975
Ion Ratio	Lower	Upper	
93	100		
95	33.5	27.0	40.4
123	12.5	10.6	15.8

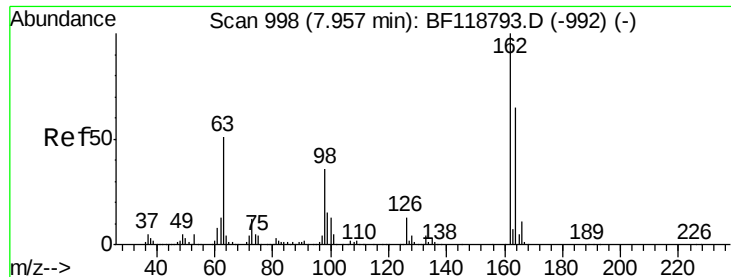


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





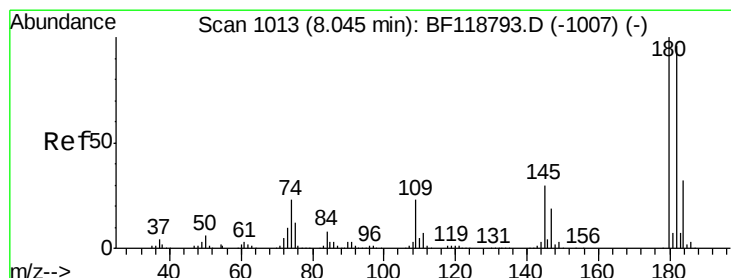
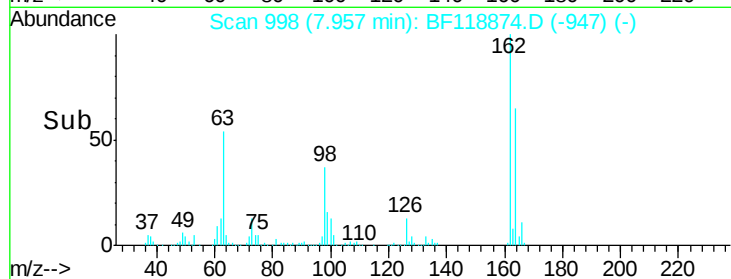
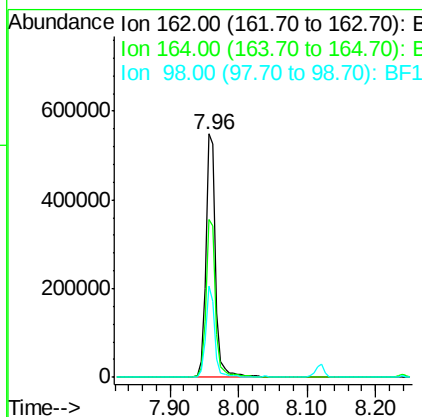
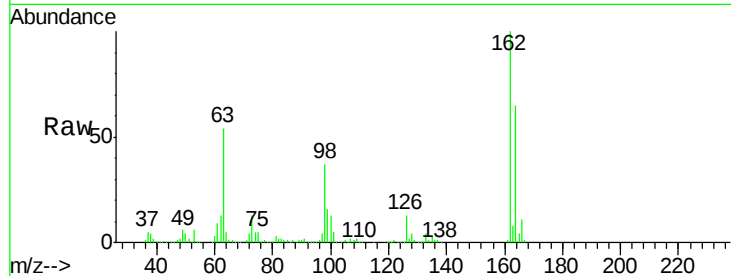
#29
2,4-Dichlorophenol
Concen: 51.714 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:	162	Resp:	557068
Ion Ratio	Lower	Upper	
162	100		
164	64.7	44.8	84.8
98	37.4	16.4	56.4

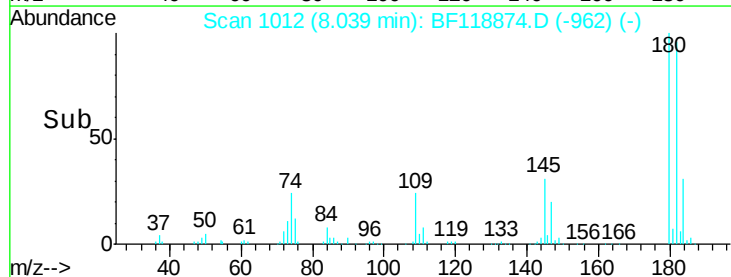
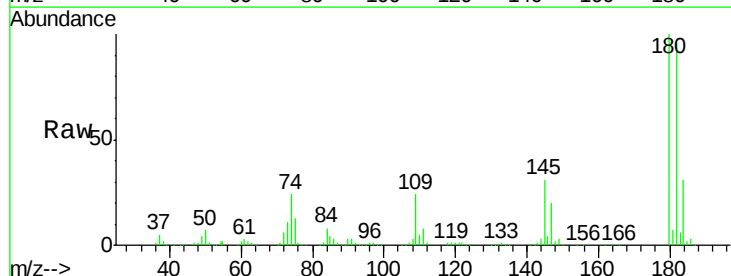
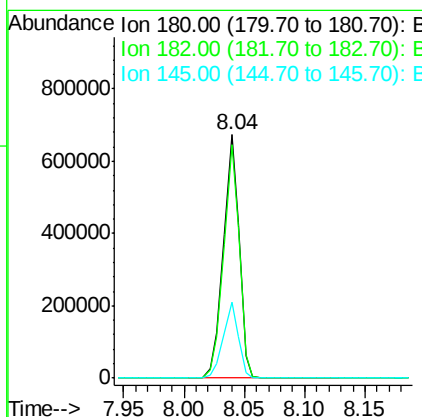
Manual Integrations
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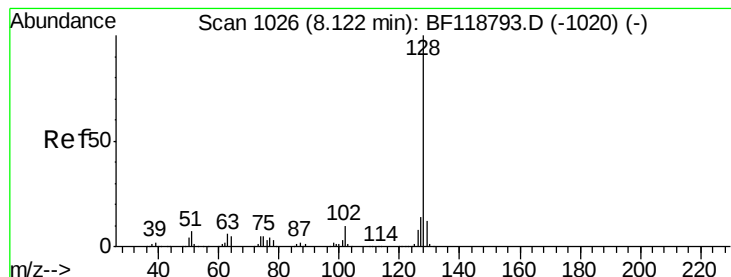
mohammad
2/13/2020 10:28:43 AM



#30
1,2,4-Trichlorobenzene
Concen: 48.460 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:	180	Resp:	610151
Ion Ratio	Lower	Upper	
180	100		
182	96.0	76.6	115.0
145	31.3	24.0	36.0





#31

Naphthalene

Concen: 51.029 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tot Ion:128 Resp: 1730396

Ion Ratio Lower Upper

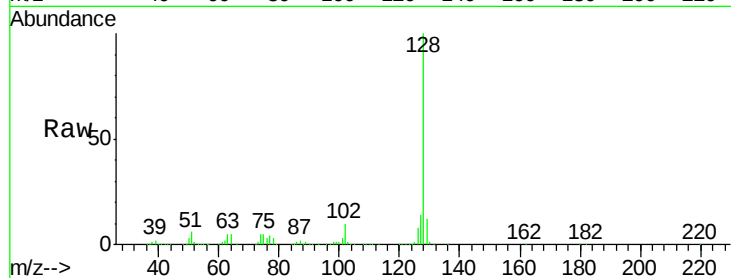
128 100

129 11.6 9.4 14.2

127 13.9 11.3 16.9

Manual Integrations
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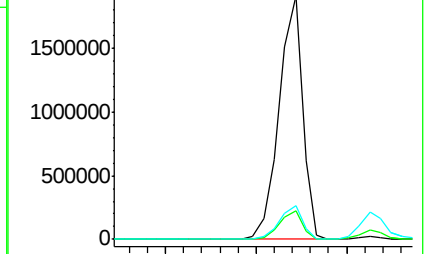
mohammad
2/13/2020 10:28:43 AM



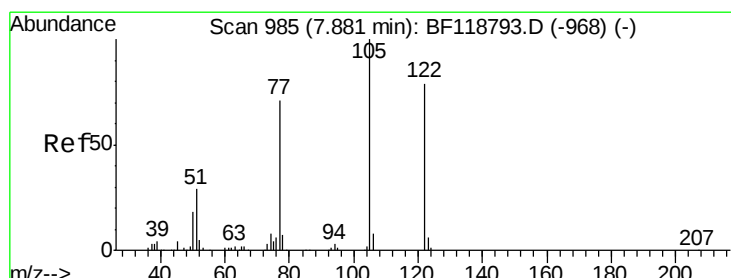
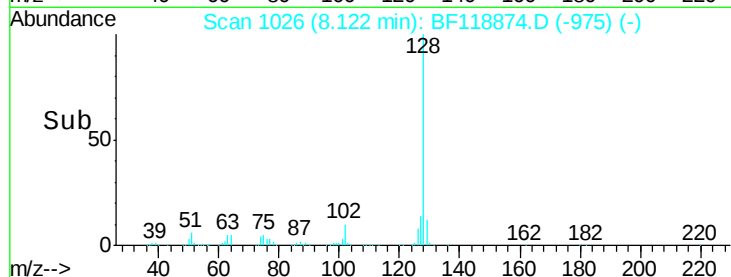
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



Time-->



#32

Benzoic acid

Concen: 43.887 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

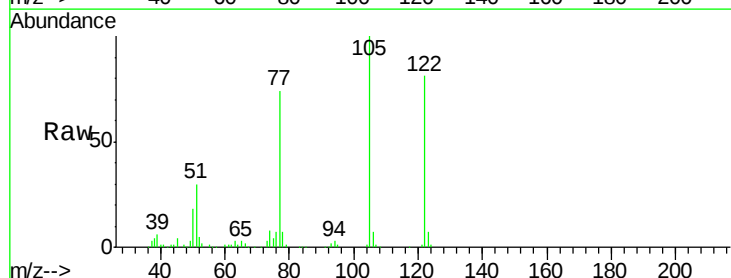
Tgt Ion:122 Resp: 326839

Ion Ratio Lower Upper

122 100

105 124.1 104.4 144.4

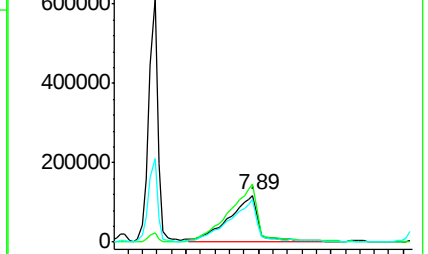
77 91.5 69.3 109.3



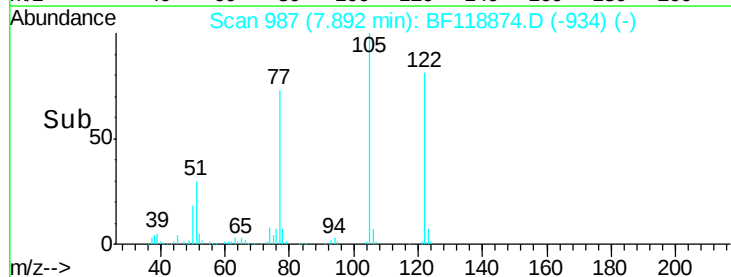
Abundance Ion 122.00 (121.70 to 122.70): E

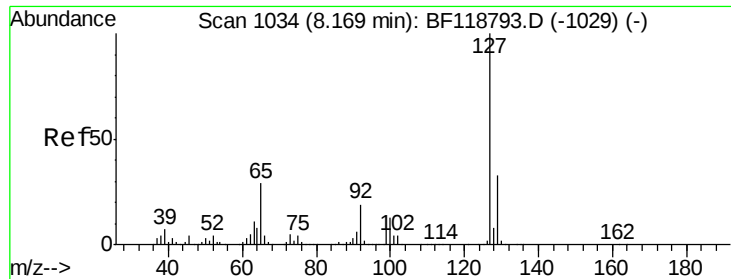
Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



Time-->





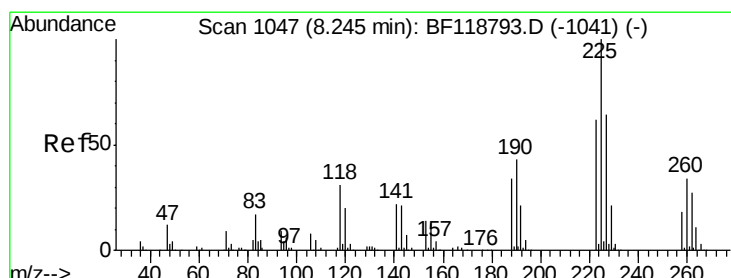
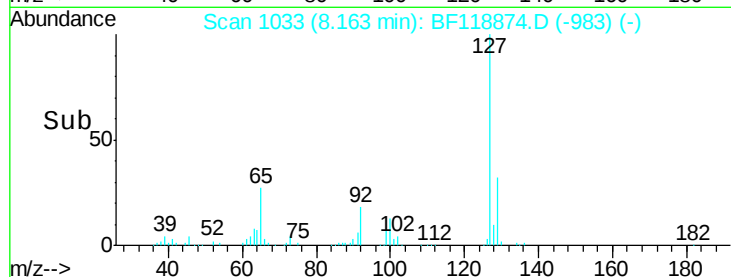
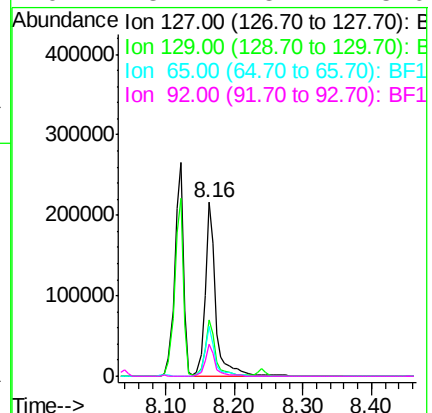
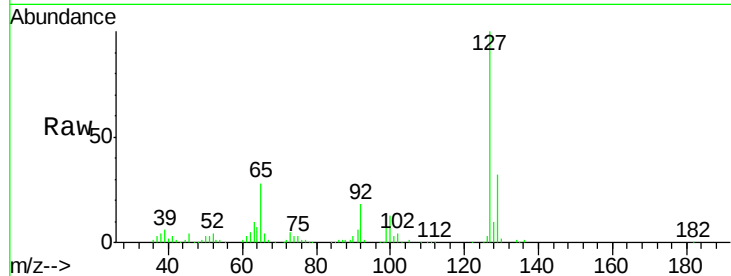
#33
4-Chloroaniline
Concen: 15.661 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.3	26.7	40.1		
65	28.4	22.9	34.3		
92	18.4	15.4	23.0		

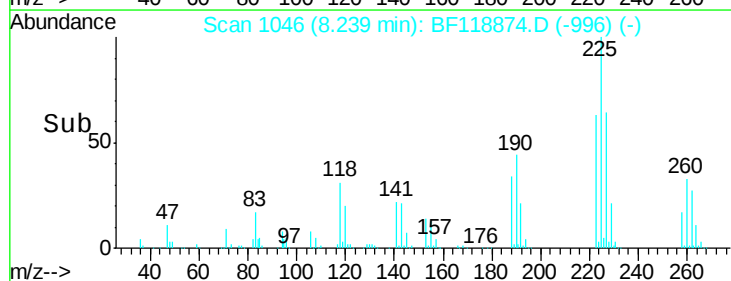
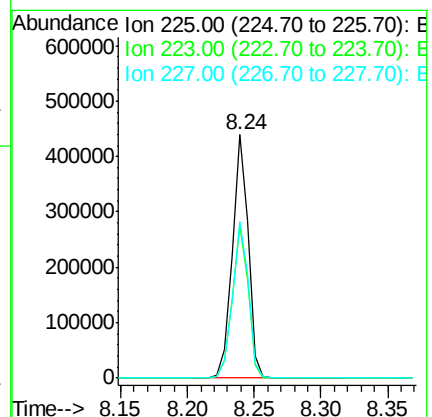
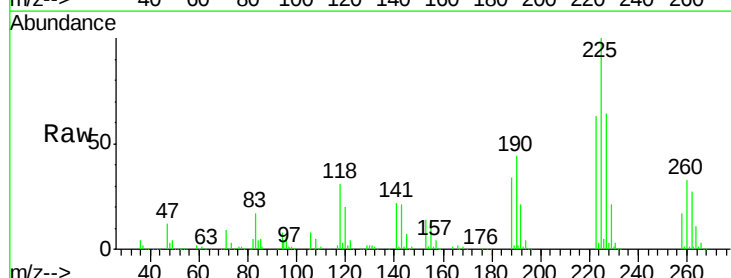
Manual Integrations
APPROVED

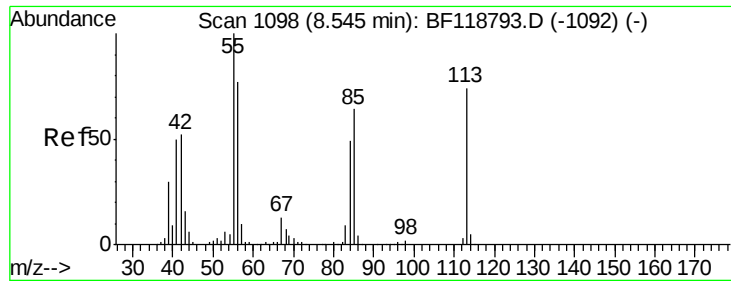
mohammad
2/13/2020 10:28:43 AM



#34
Hexachlorobutadiene
Concen: 47.992 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.6	49.8	74.8		
227	64.2	51.0	76.4		





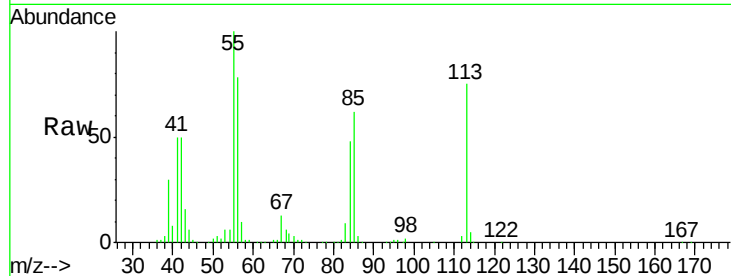
#35
Caprolactam
Concen: 55.514 ng m
RT: 8.55 min Scan# 1098
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	133.5	115.5	155.5
56	103.5	83.7	123.7

Manual Integrations
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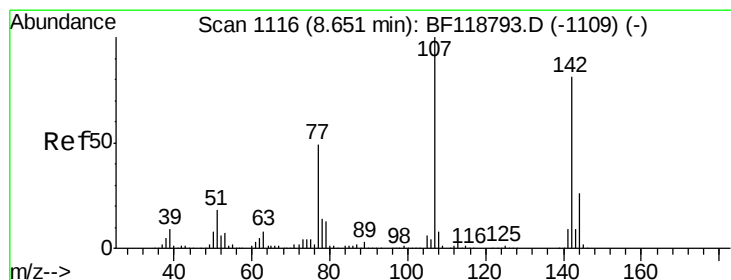
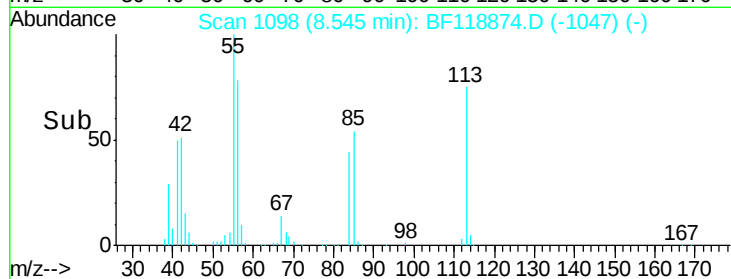
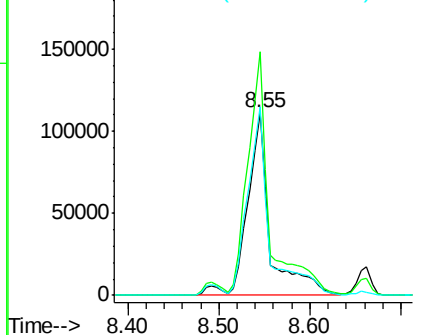


Abundance

Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF1

Ion 56.00 (55.70 to 56.70): BF1



#36
4-Chloro-3-methylphenol
Concen: 53.844 ng
RT: 8.66 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

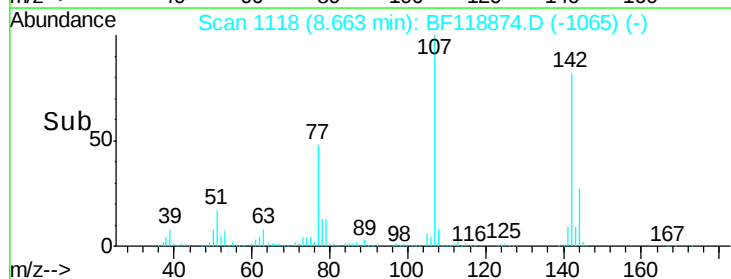
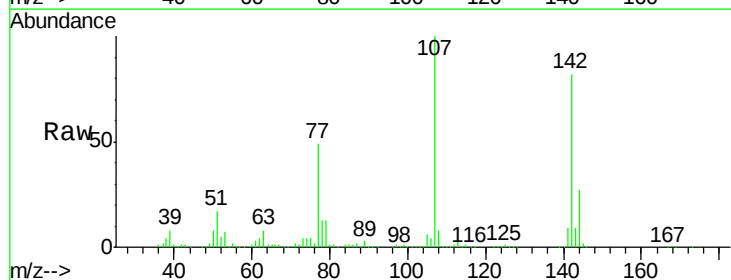
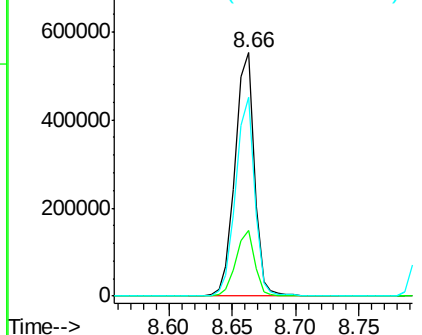
Tgt Ion	Ratio	Lower	Upper
107	100		
144	27.0	21.0	31.6
142	81.6	64.8	97.2

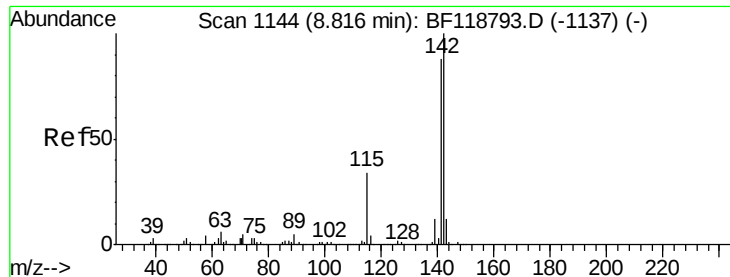
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





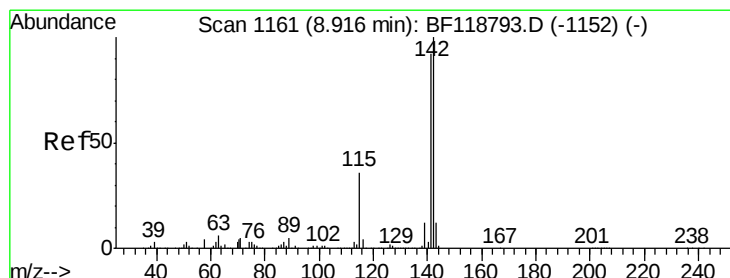
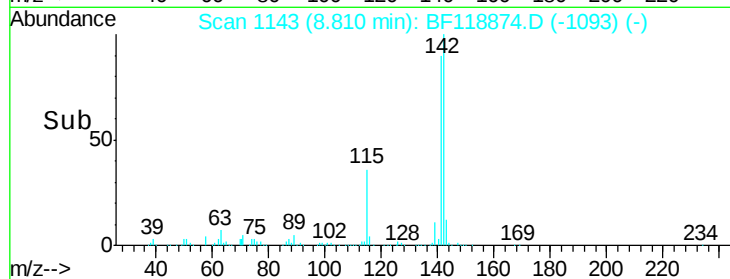
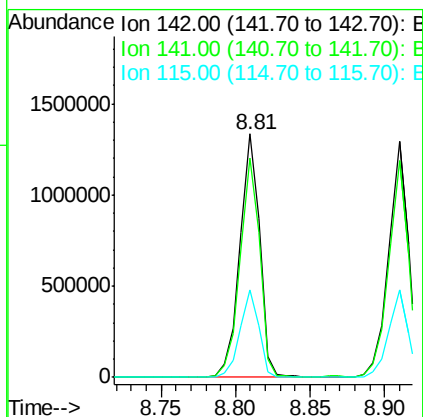
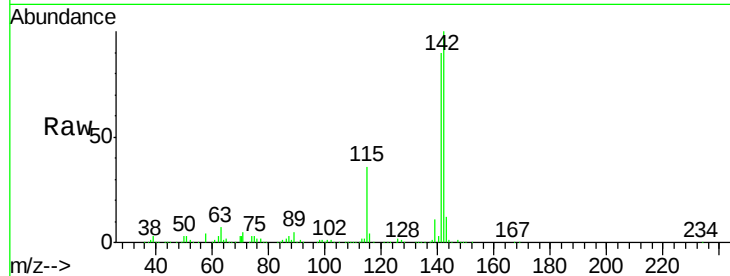
#37
2-Methylnaphthalene
Concen: 52.743 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:142 Resp: 1240402
Ion Ratio Lower Upper
142 100
141 90.0 70.1 105.1
115 35.8 27.3 40.9

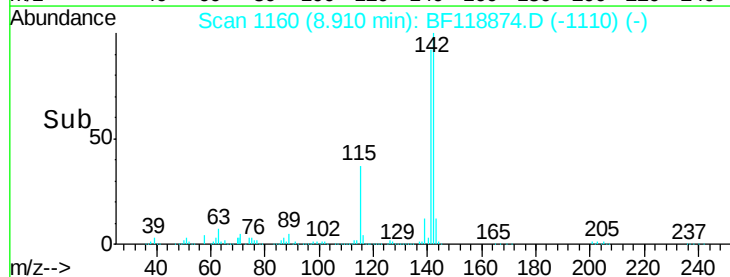
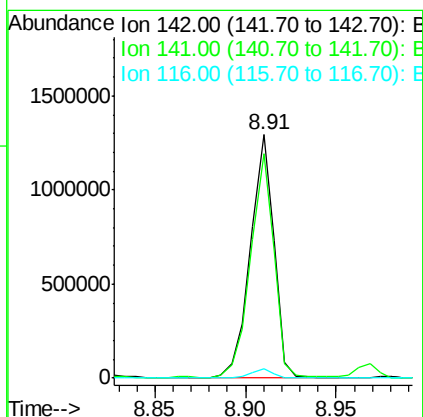
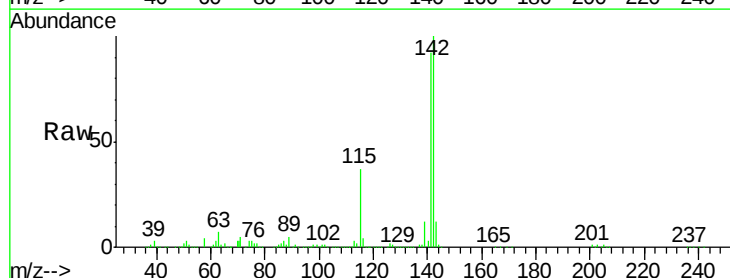
Manual Integrations
APPROVED

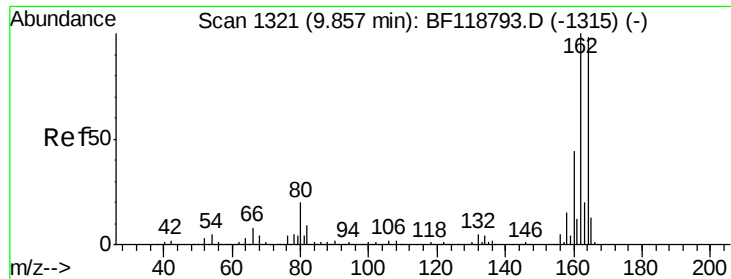
mohammad
2/13/2020 10:28:43 AM



#38
1-Methylnaphthalene
Concen: 52.649 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:142 Resp: 1164787
Ion Ratio Lower Upper
142 100
141 92.1 73.8 110.6
116 3.9 3.0 4.4





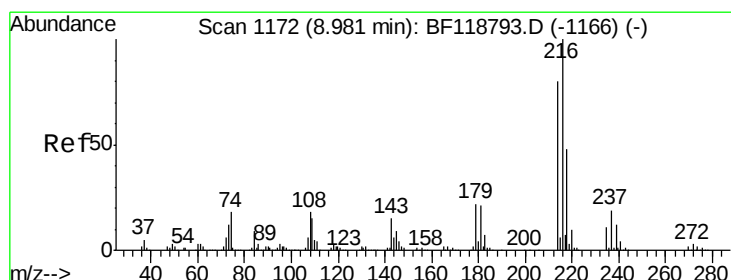
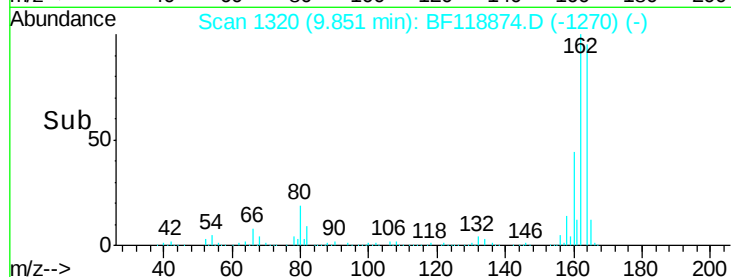
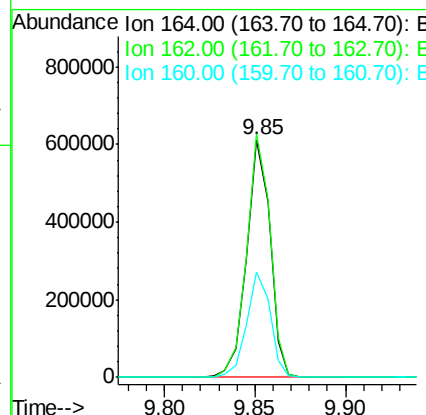
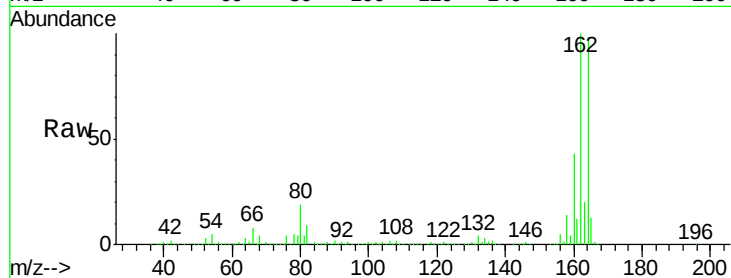
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.4	81.4	122.2	
160	44.5	35.6	53.4	

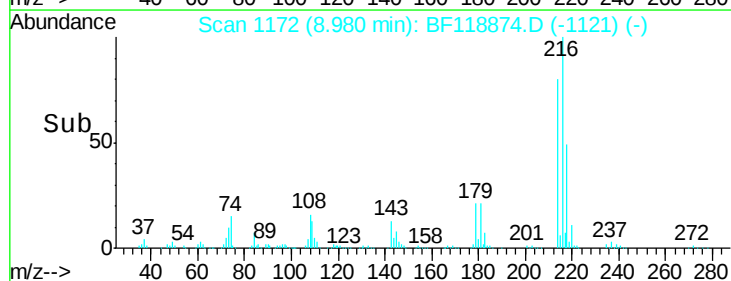
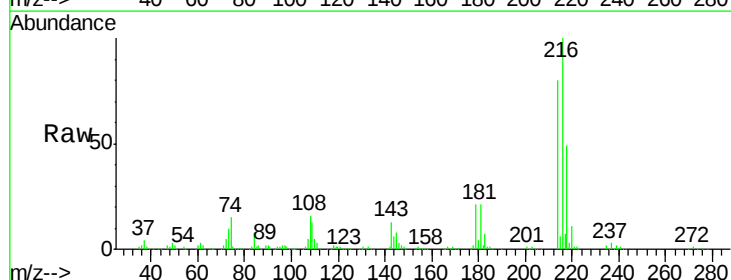
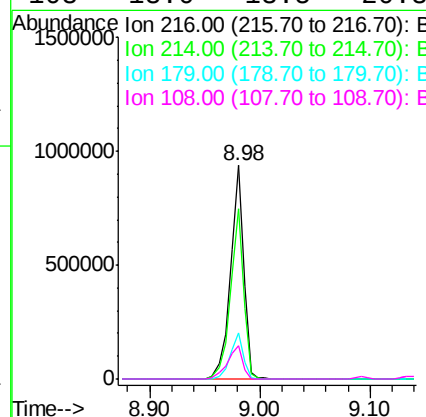
Manual Integrations
APPROVED

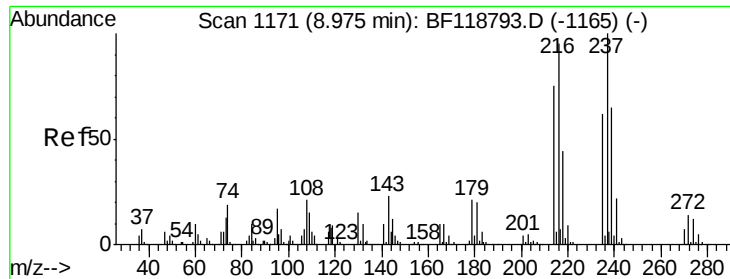
mohammad
2/13/2020 10:28:43 AM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.232 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	63.0	94.4	
179	21.0	17.0	25.6	
108	18.0	13.5	20.3	





#41

Hexachlorocyclopentadiene

Concen: 84.654 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

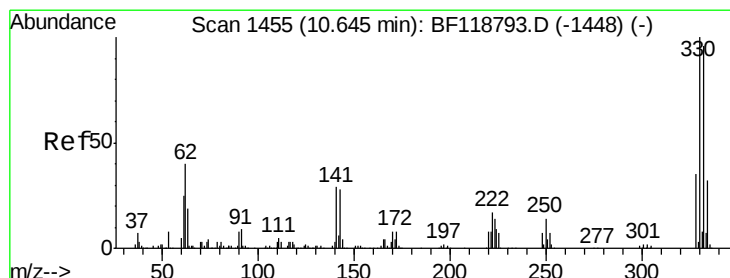
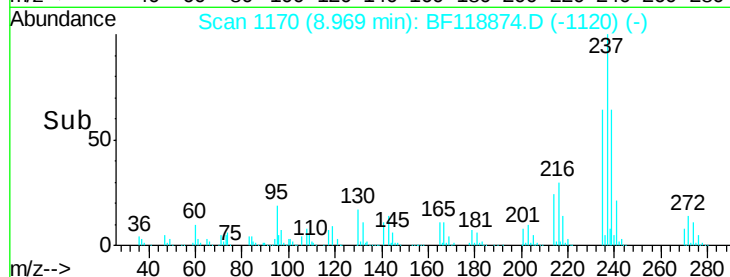
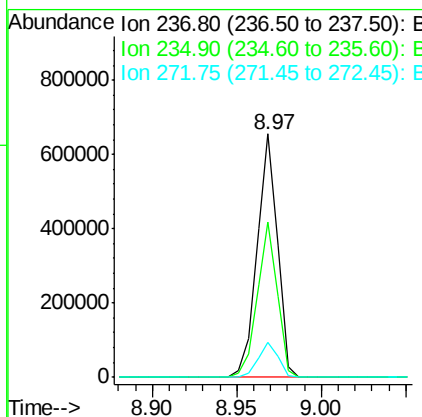
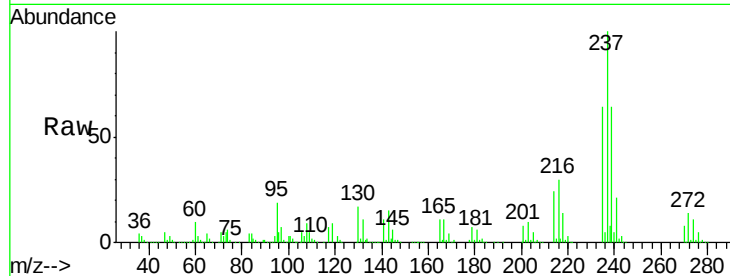
ClientSampleId :

TP-4MSD

Tot Ion:	237	Resp:	553957
Ion Ratio	Lower	Upper	
237	100		
235	64.0	42.1	82.1
272	14.2	0.0	34.4

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:43 AM



#42

2,4,6-Tribromophenol

Concen: 135.820 ng

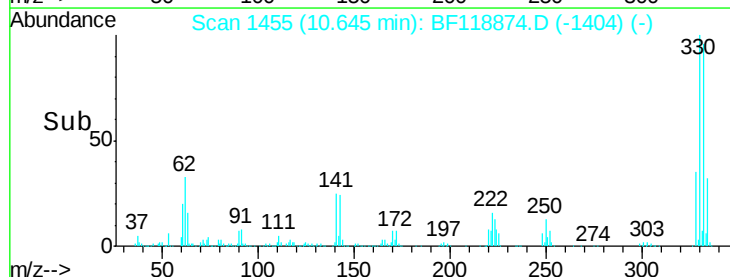
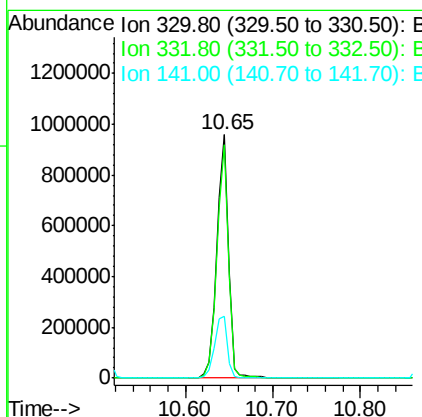
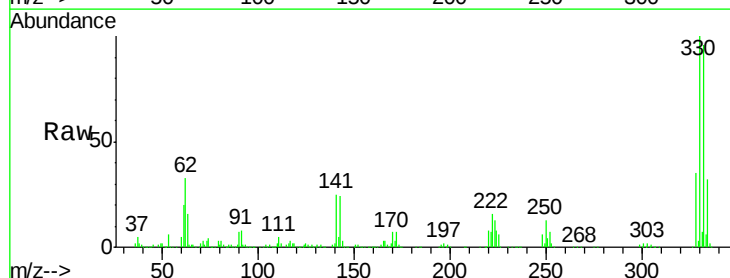
RT: 10.65 min Scan# 1455

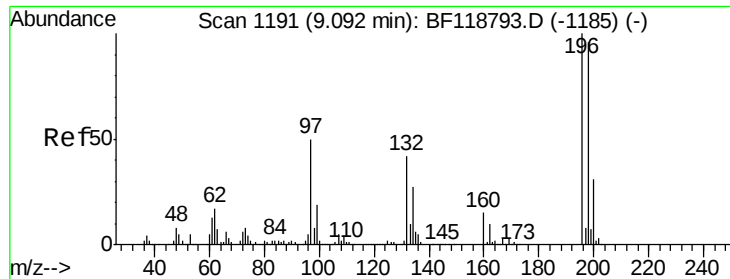
Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Tgt Ion:	330	Resp:	898610
Ion Ratio	Lower	Upper	
330	100		
332	95.5	77.3	115.9
141	28.2	22.4	33.6





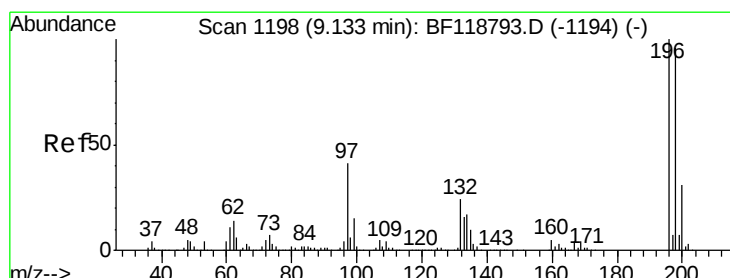
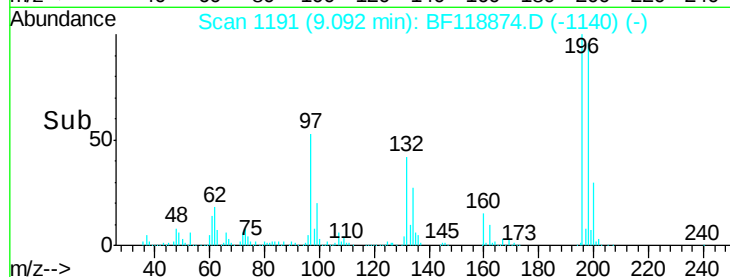
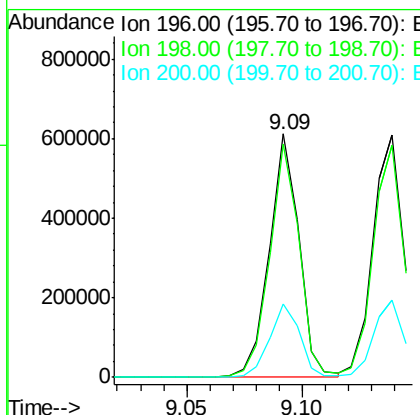
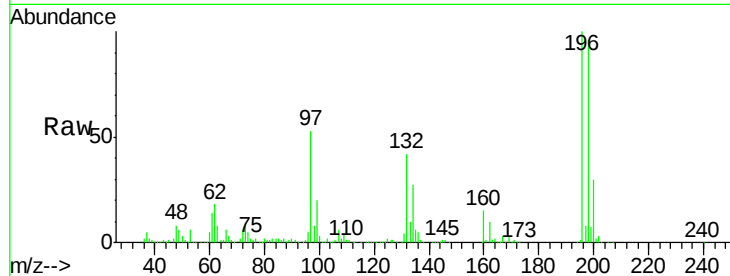
#43
 2,4,6-Trichlorophenol
 Concen: 49.080 ng
 RT: 9.09 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	547715		
198	95.9	76.7	115.1	
200	30.2	24.9	37.3	

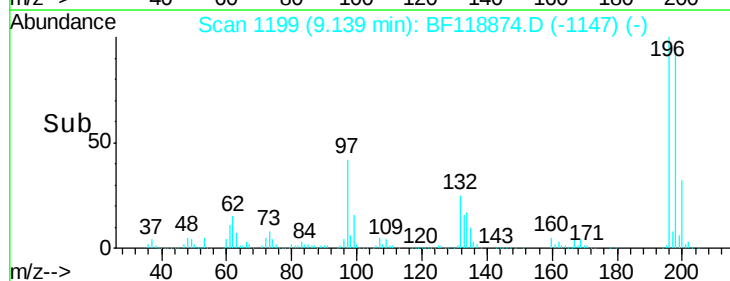
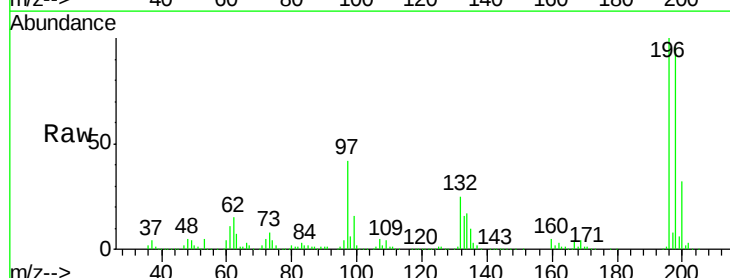
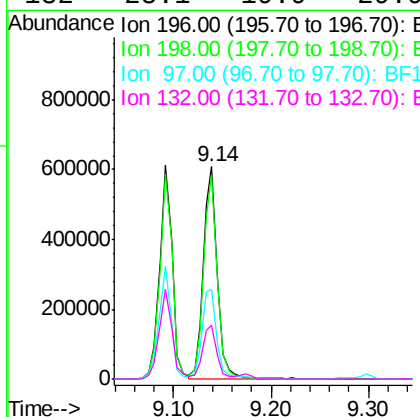
Manual Integrations
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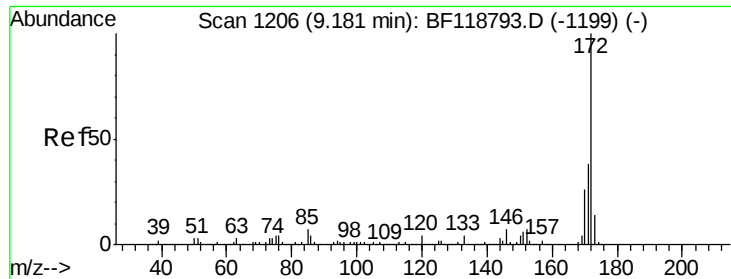
mohammad
 2/13/2020 10:28:43 AM



#44
 2,4,5-Trichlorophenol
 Concen: 52.168 ng
 RT: 9.14 min Scan# 1199
 Delta R.T. 0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	594851		
198	96.2	77.0	115.4	
97	42.2	32.9	49.3	
132	25.1	19.9	29.9	





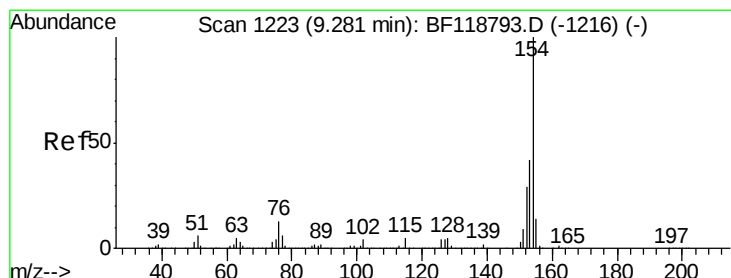
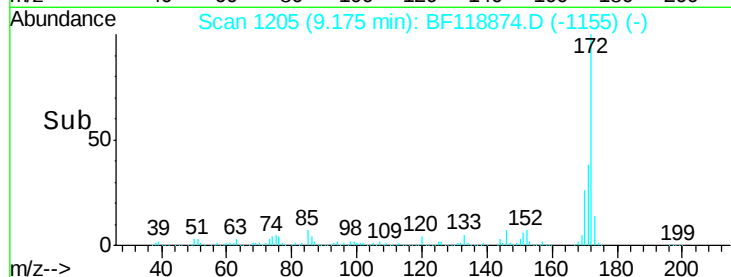
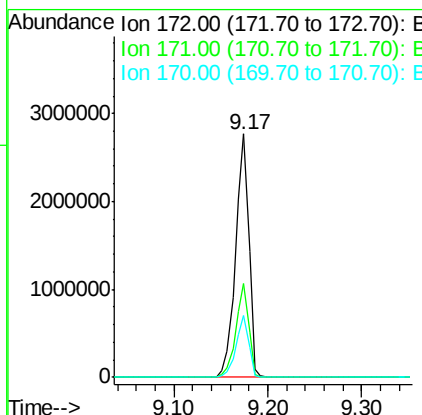
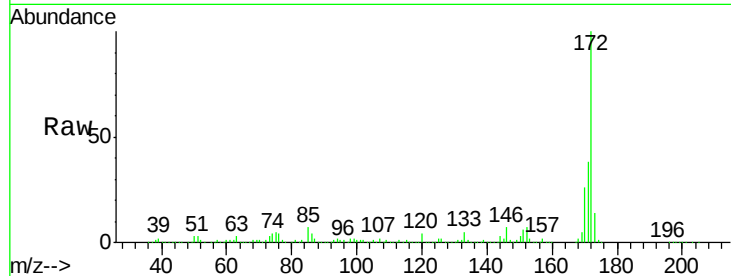
#45
2-Fluorobiphenyl
Concen: 87.487 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.4	30.8	46.2
170	25.6	20.5	30.7

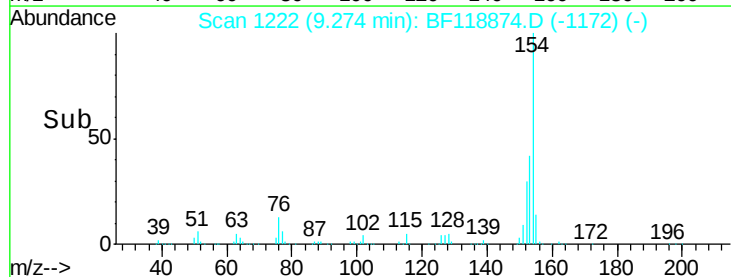
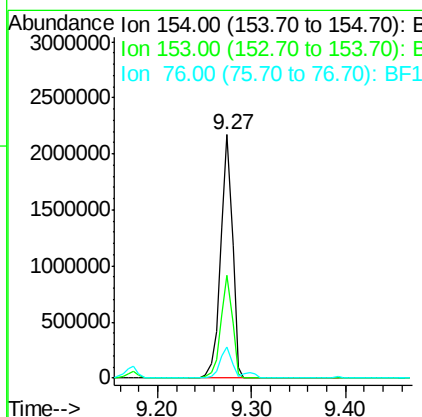
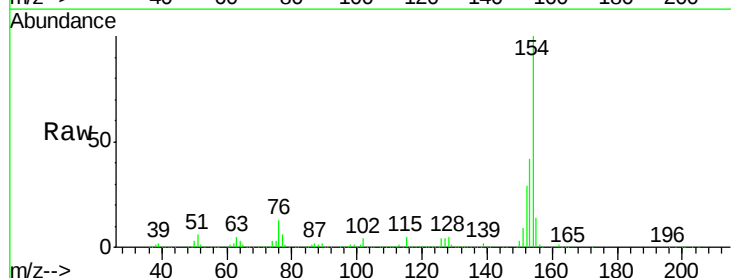
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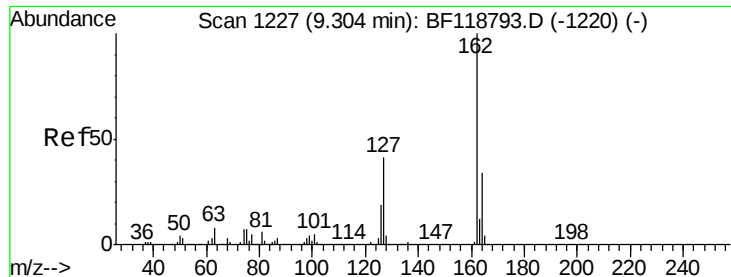
mohammad
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#46
1,1'-Biphenyl
Concen: 49.759 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.3	22.4	62.4
76	12.9	0.0	32.7





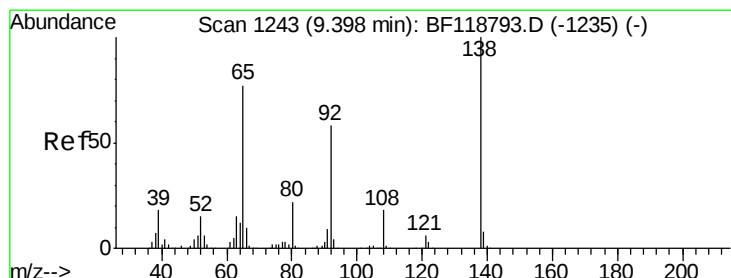
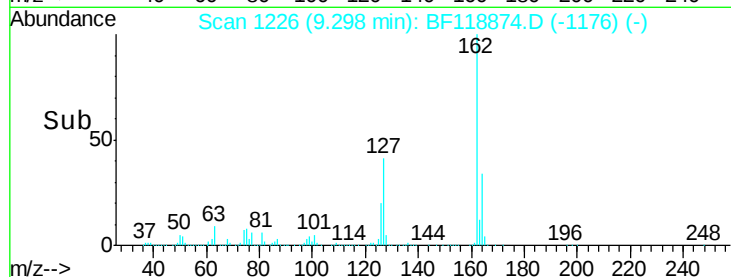
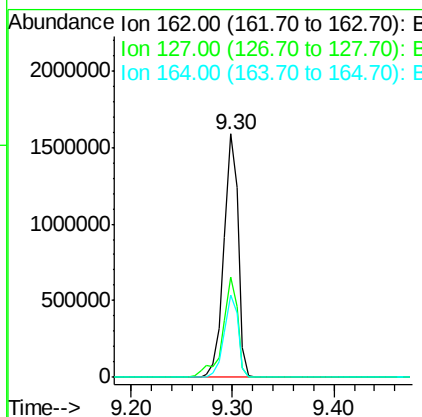
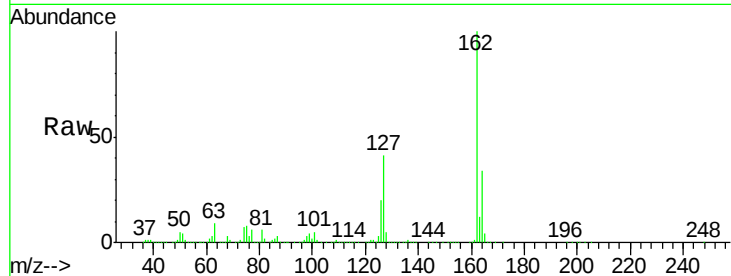
#47
2-Chloronaphthalene
Concen: 48.677 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ion	Ratio	Lower	Upper
162	100			
127	41.0	33.3	49.9	
164	33.9	27.1	40.7	

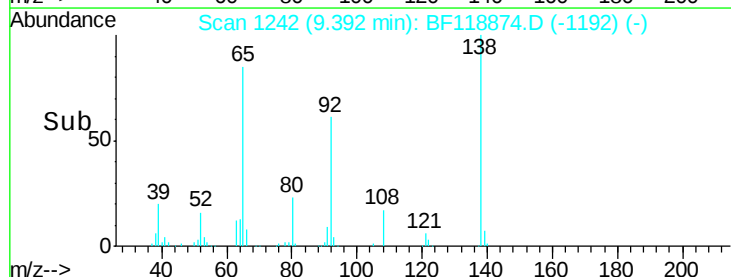
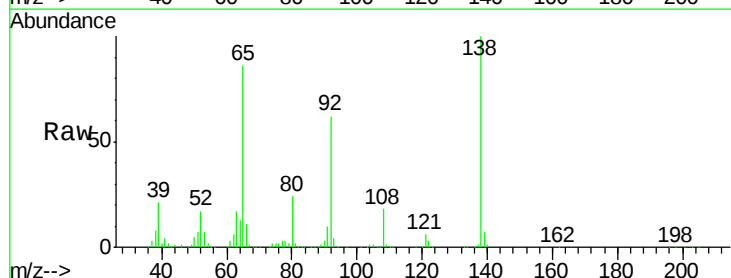
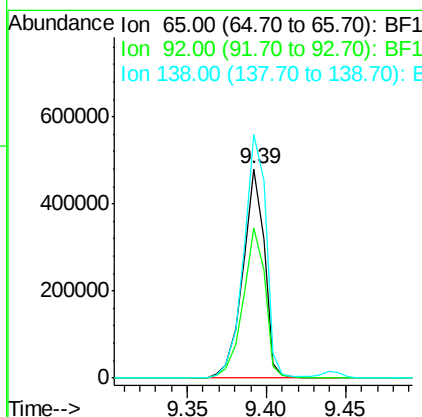
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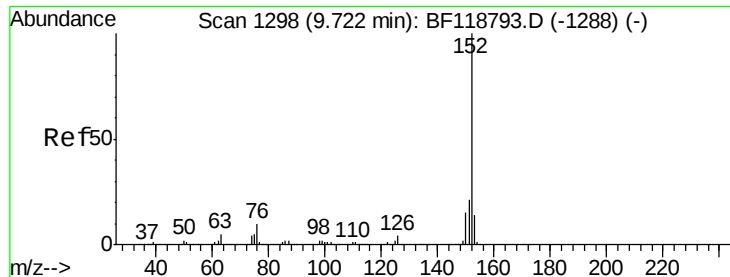
mohammad
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#48
2-Nitroaniline
Concen: 49.529 ng
RT: 9.39 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ion	Ratio	Lower	Upper
65	100			
92	71.5	60.6	91.0	
138	116.3	104.6	156.8	





#49

Acenaphthylene

Concen: 51.482 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tot Ion:152 Resp: 2363691

Ion Ratio Lower Upper

152 100

151 21.3 17.1 25.7

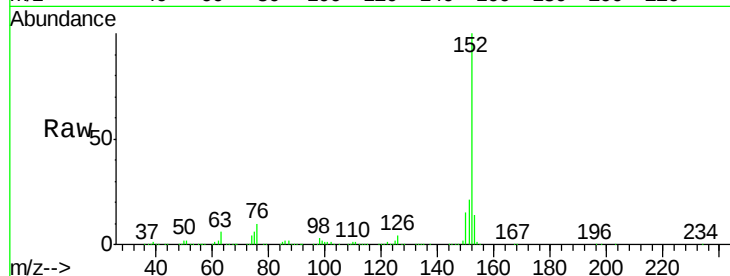
153 14.2 11.0 16.4

Manual Integrations

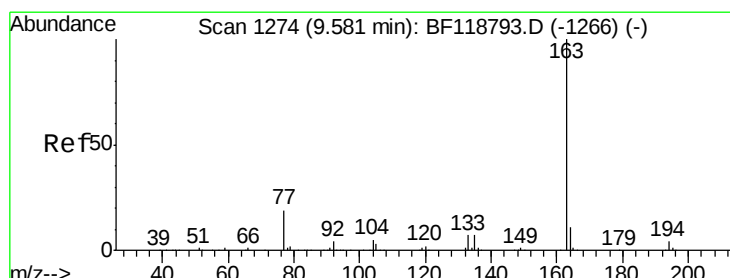
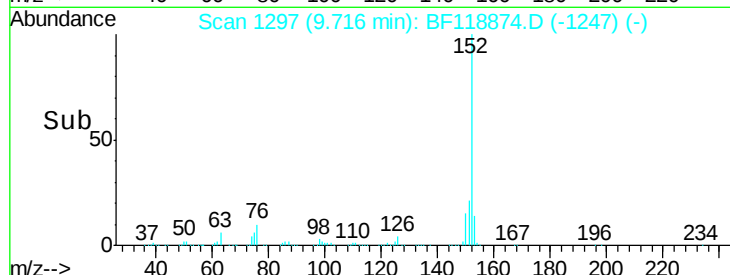
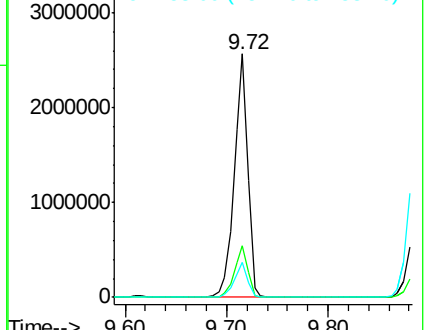
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 54.576 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

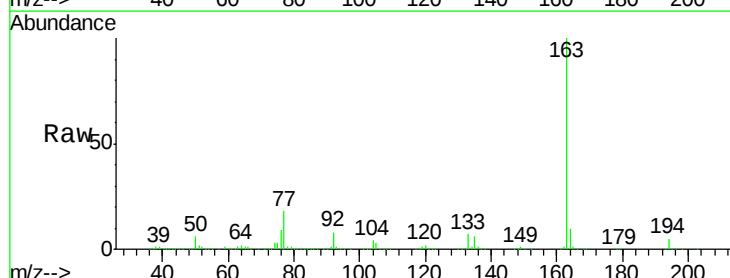
Tgt Ion:163 Resp: 2054799

Ion Ratio Lower Upper

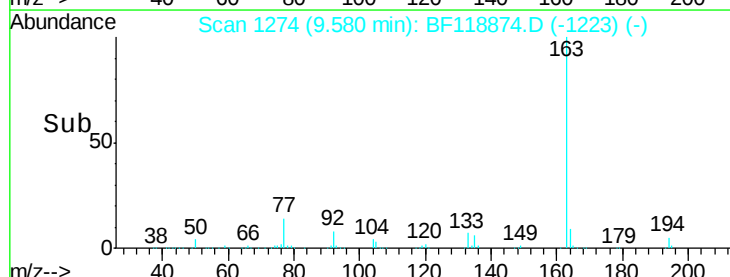
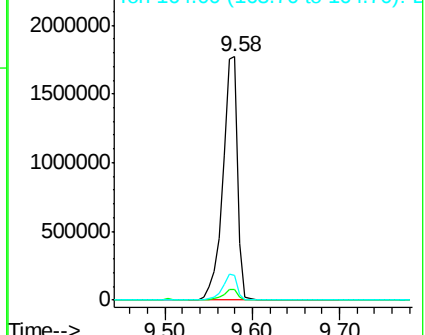
163 100

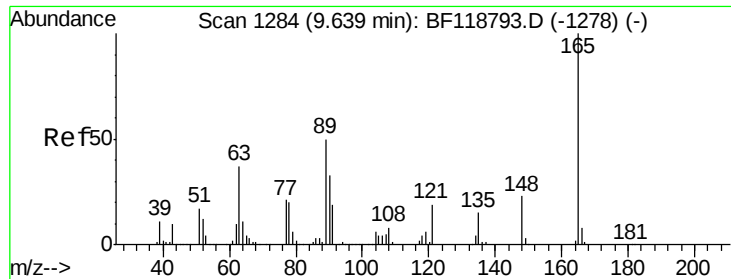
194 4.5 3.6 5.4

164 10.1 8.7 13.1



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





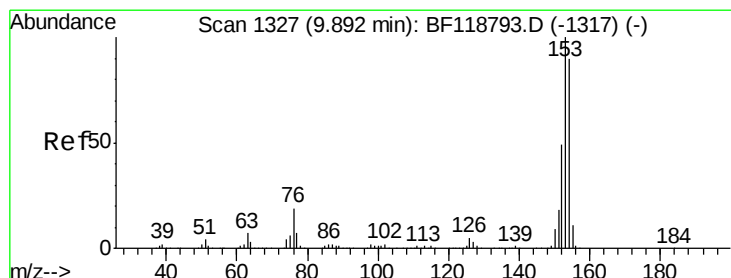
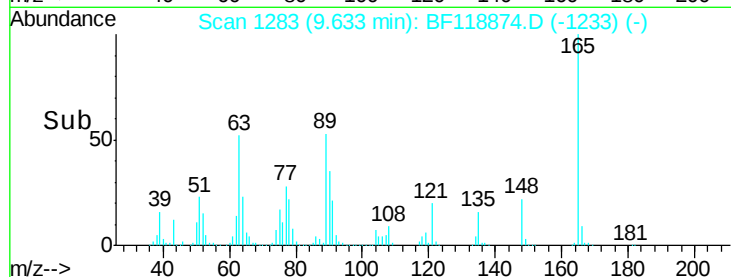
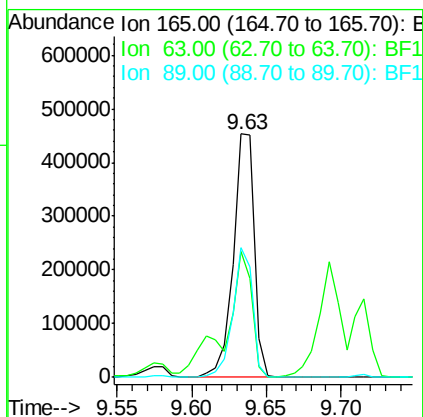
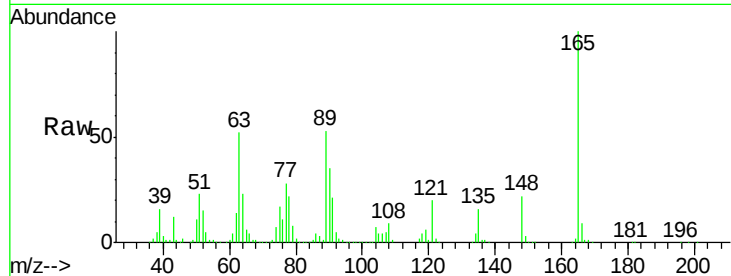
#51
 2,6-Dinitrotoluene
 Concen: 52.567 ng
 RT: 9.63 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	452852		
63	51.6		37.4	56.0
89	53.5		39.7	59.5

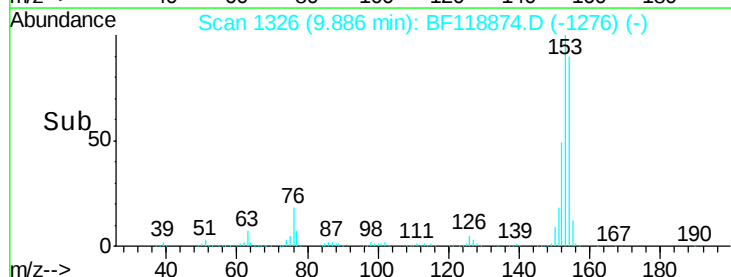
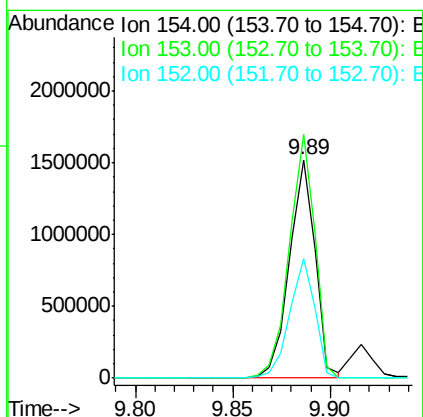
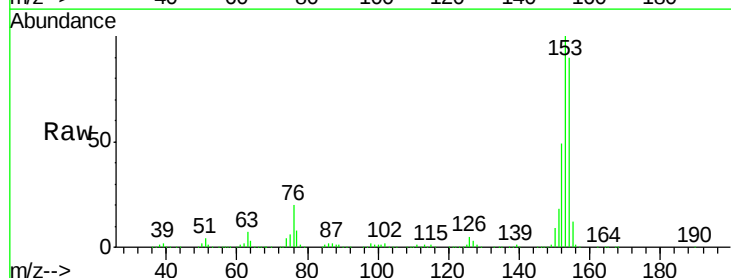
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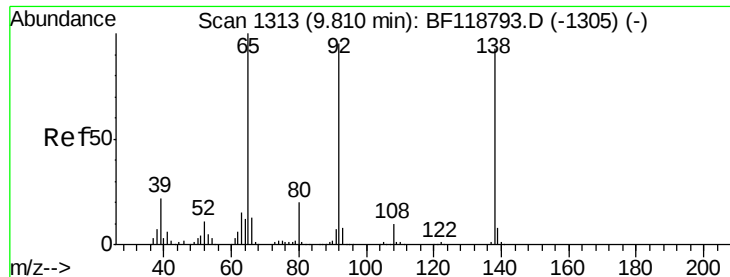
mohammad
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#52
 Acenaphthene
 Concen: 46.010 ng
 RT: 9.89 min Scan# 1326
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1391996		
153	111.7		89.4	134.0
152	54.7		43.6	65.4





#53

3-Nitroaniline

Concen: 25.128 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

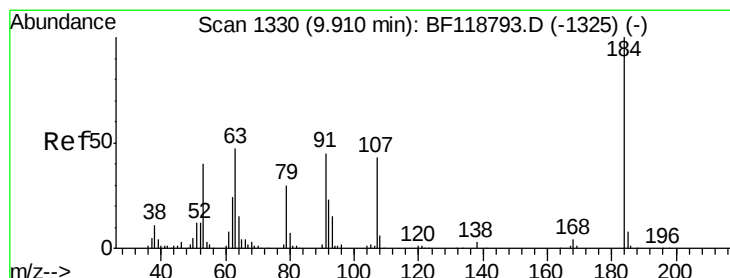
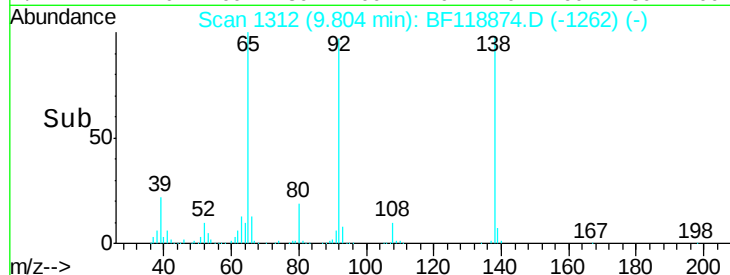
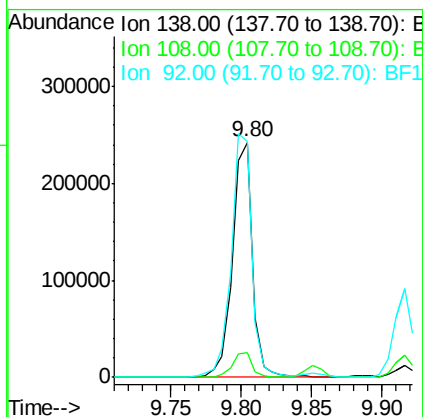
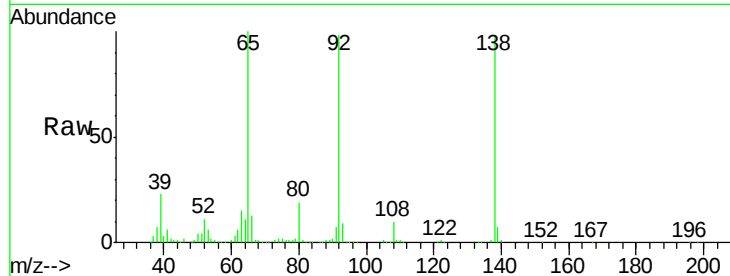
ClientSampleId :

TP-4MSD

Tot Ion:	138	Resp:	240080
Ion Ratio	Lower	Upper	
138	100		
108	10.6	8.5	12.7
92	100.3	82.2	123.4

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#54

2,4-Dinitrophenol

Concen: 90.514 ng

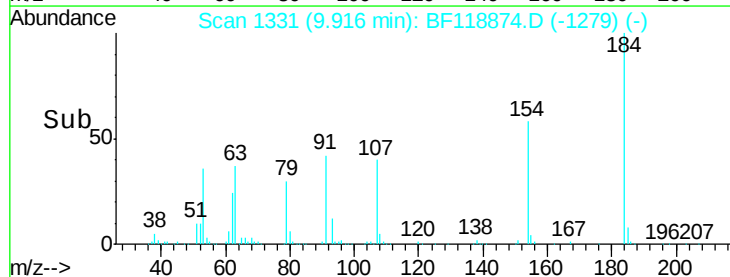
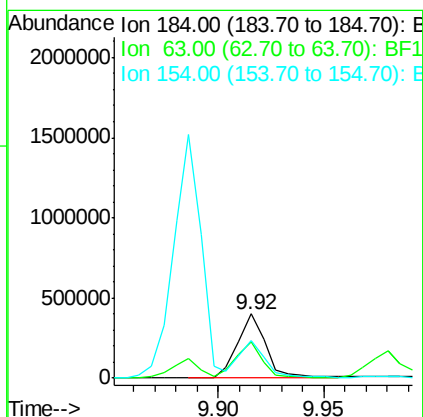
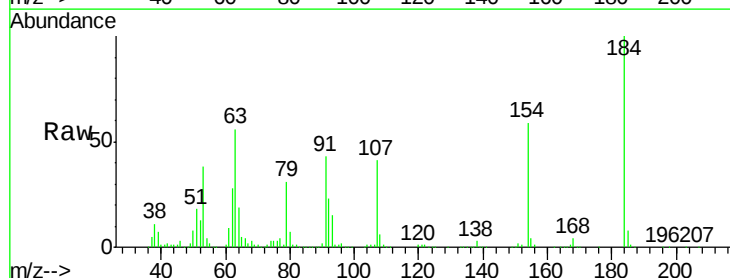
RT: 9.92 min Scan# 1331

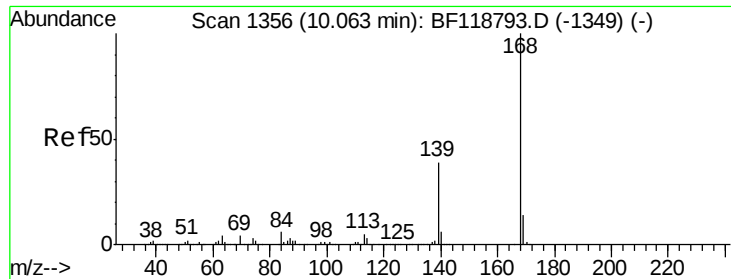
Delta R.T. 0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Tgt Ion:	184	Resp:	374861
Ion Ratio	Lower	Upper	
184	100		
63	55.8	47.5	71.3
154	58.5	48.6	72.8





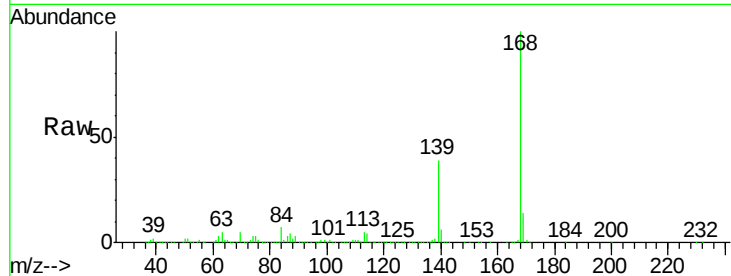
#55
Dibenzofuran
Concen: 51.754 ng
RT: 10.06 min Scan# 1355
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	39.0	31.6	47.4
169	14.5	11.4	17.2

Manual Integrations
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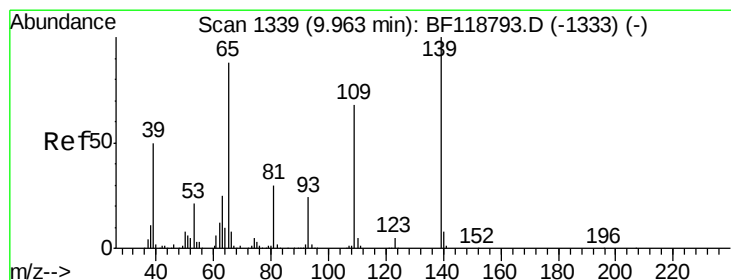
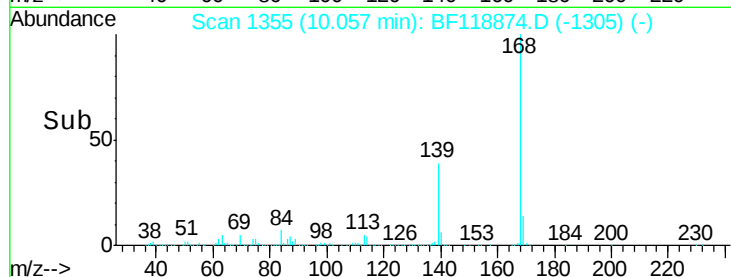
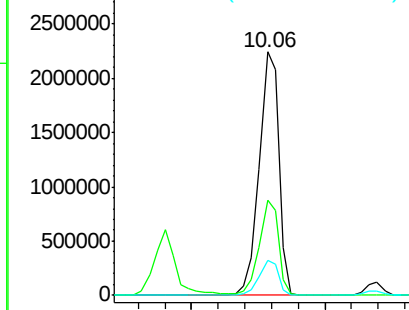


Abundance

Ion 168.00 (167.70 to 168.70): E

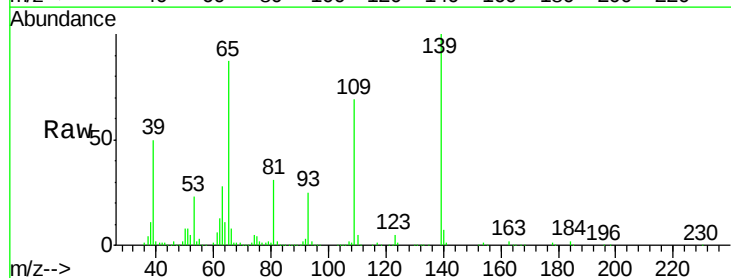
Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56
4-Nitrophenol
Concen: 97.565 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.02 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
139	100		
109	69.4	48.0	88.0
65	87.5	68.3	108.3

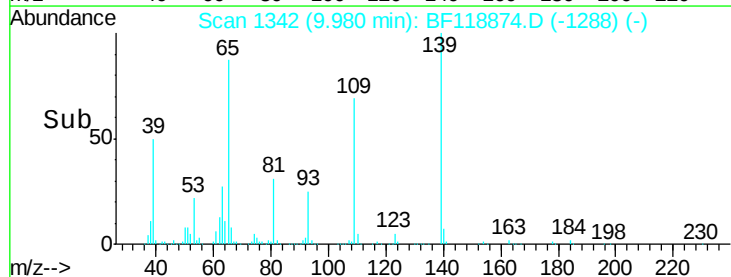
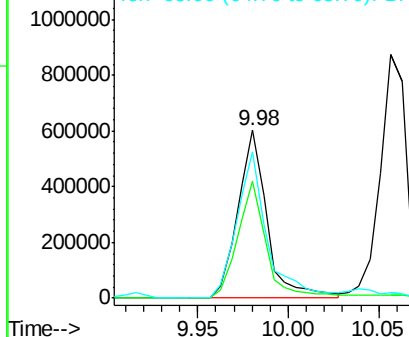


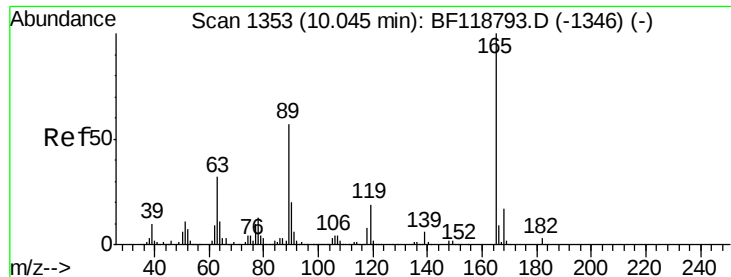
Abundance

Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





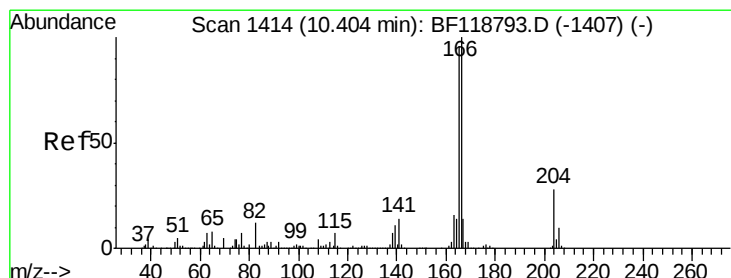
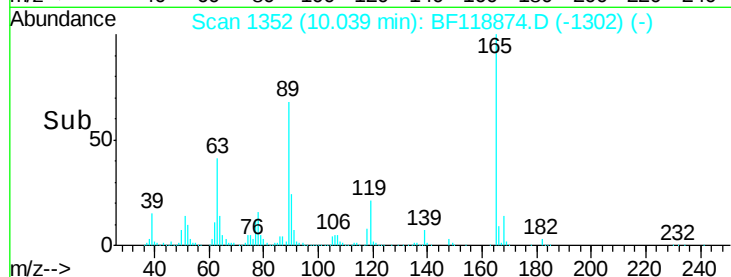
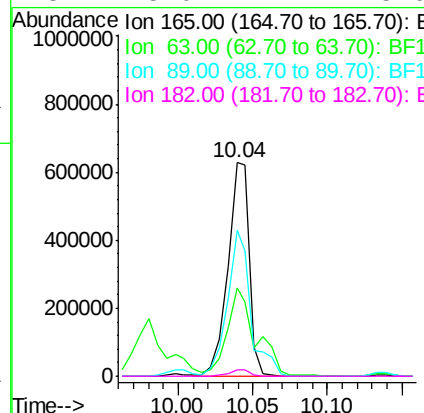
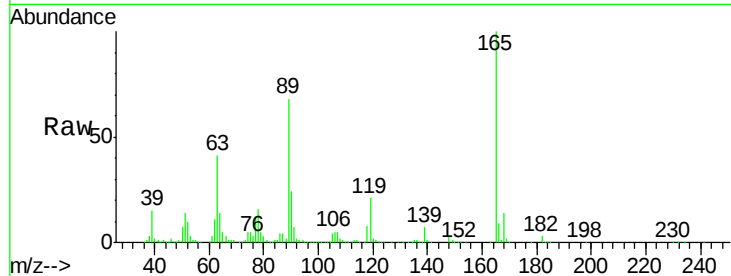
#57
2,4-Dinitrotoluene
Concen: 56.012 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	638578		
63	41.3	25.5	38.3#	
89	68.1	45.4	68.0#	
182	3.0	2.4	3.6	

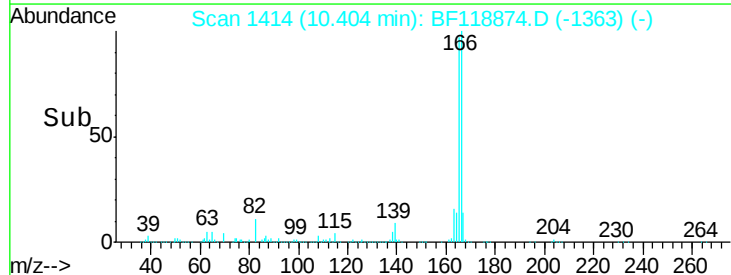
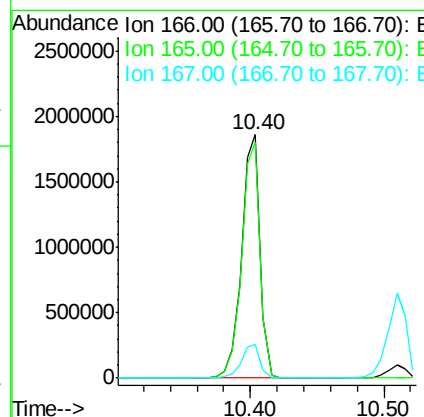
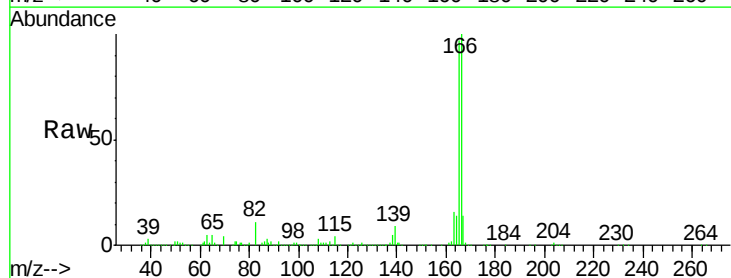
Manual Integrations
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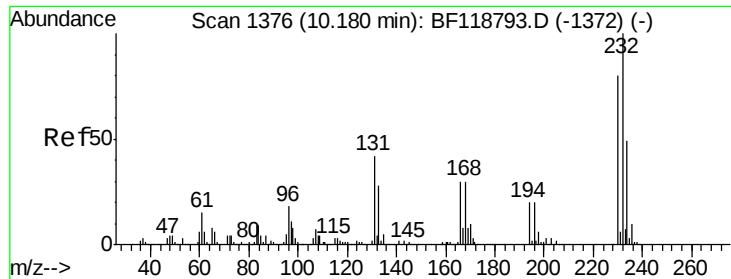
mohammad
2/13/2020 10:28:43 AM



#58
Fluorene
Concen: 53.938 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1774214		
165	97.2	77.0	115.6	
167	13.9	11.1	16.7	





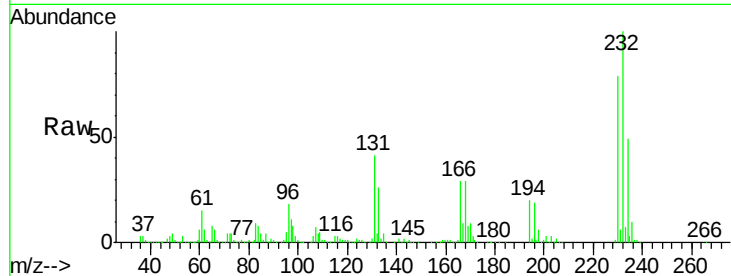
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.134 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

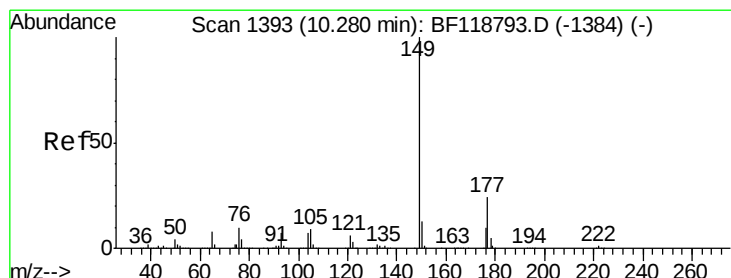
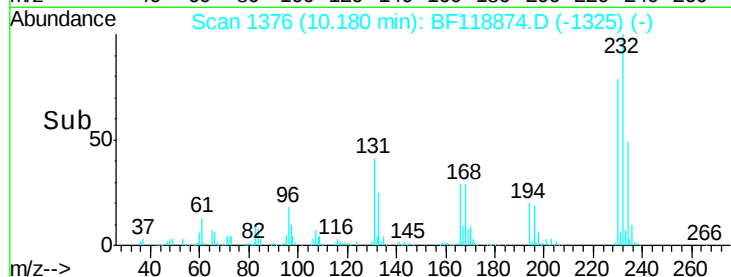
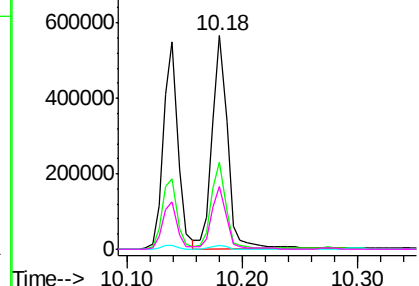
Tot Ion	Ratio	Resp	Lower	Upper
232	100	529115		
131	39.2		31.8	47.6
130	2.1		1.6	2.4
166	27.8		23.1	34.7

Manual Integrations
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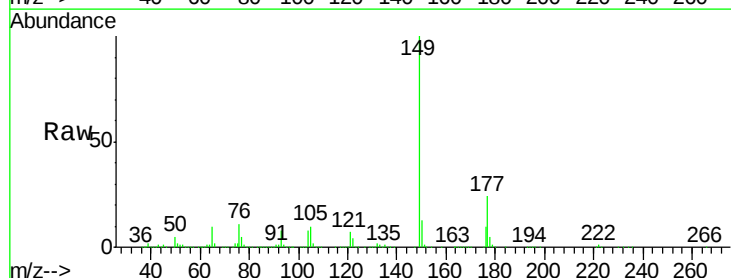


Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E

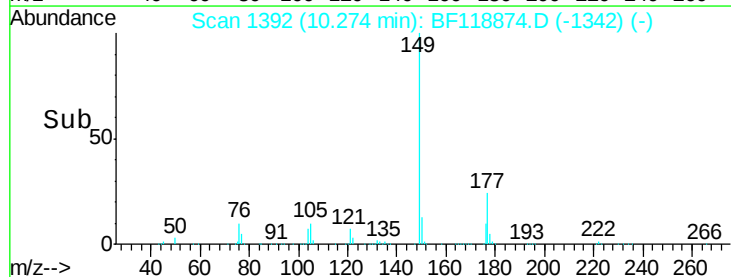
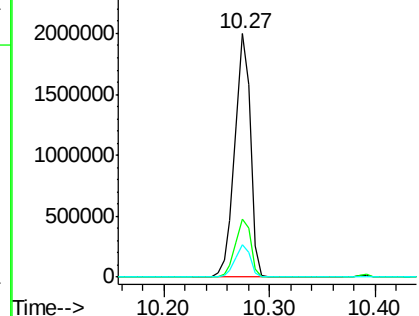


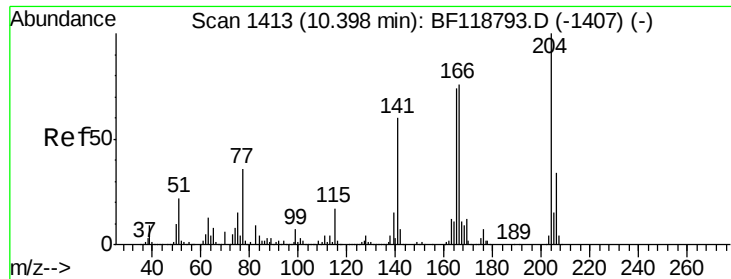
#60
Diethylphthalate
Concen: 55.403 ng
RT: 10.27 min Scan# 1392
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Resp	Lower	Upper
149	100	2028355		
177	24.0		19.3	28.9
150	13.2		10.4	15.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E





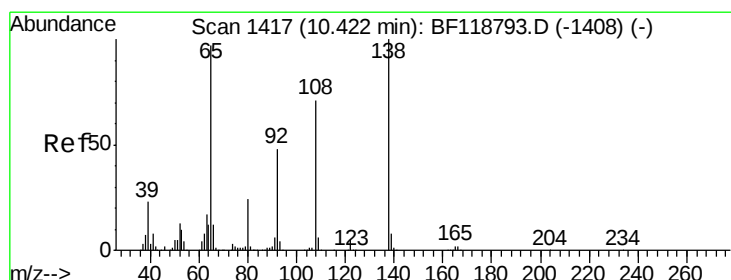
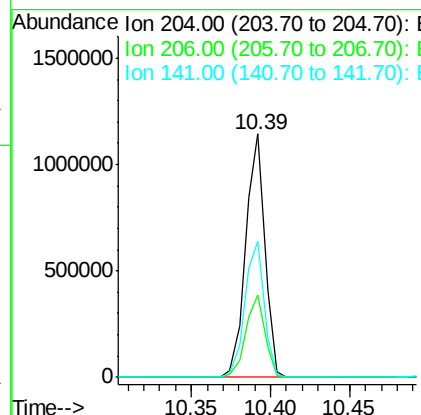
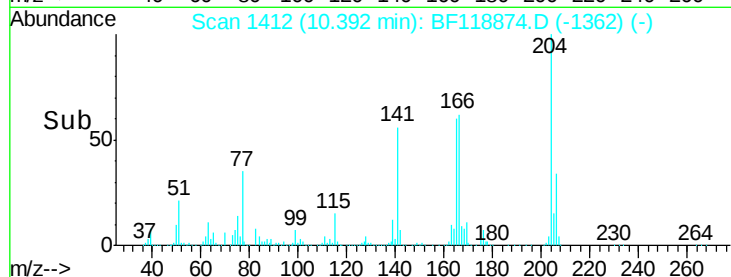
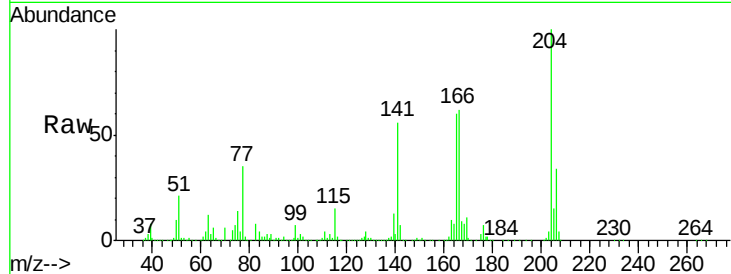
#61
 4-Chlorophenyl-phenylether
 Concen: 53.432 ng
 RT: 10.39 min Scan# 1412
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion:	204	Resp:	953162
Ion Ratio		Lower	Upper
204	100		
206	33.8	27.4	41.2
141	55.9	47.8	71.6

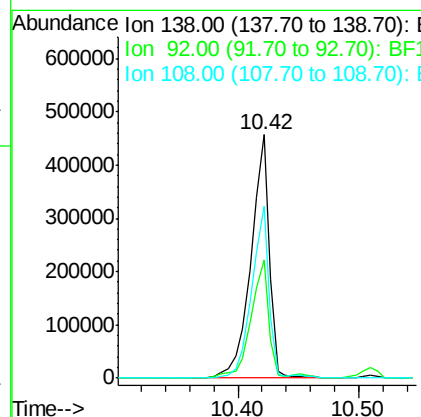
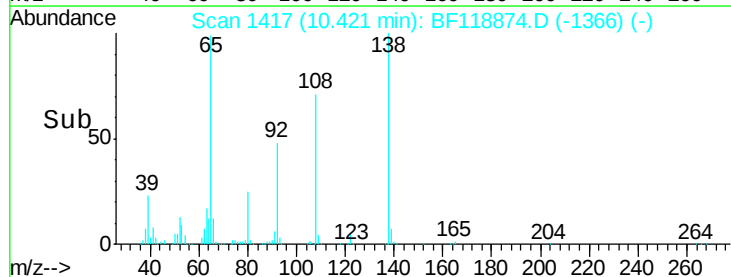
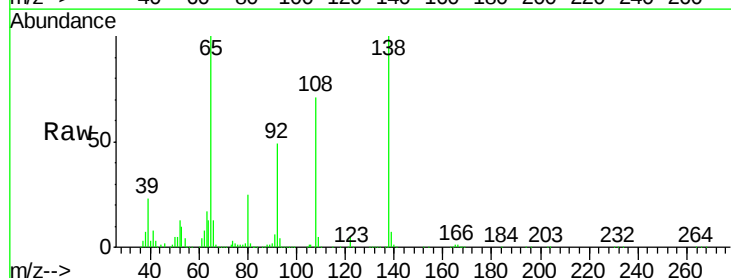
Manual Integrations
 APPROVED

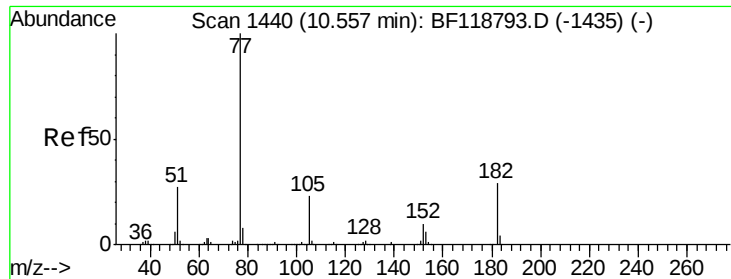
mohammad
 2/13/2020 10:28:43 AM



#62
 4-Nitroaniline
 Concen: 51.098 ng
 RT: 10.42 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion:	138	Resp:	488882
Ion Ratio		Lower	Upper
138	100		
92	48.5	27.6	67.6
108	70.8	51.3	91.3





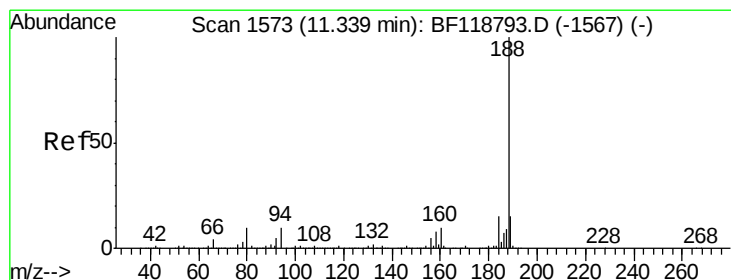
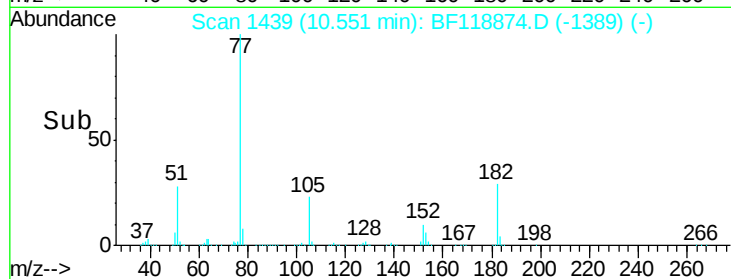
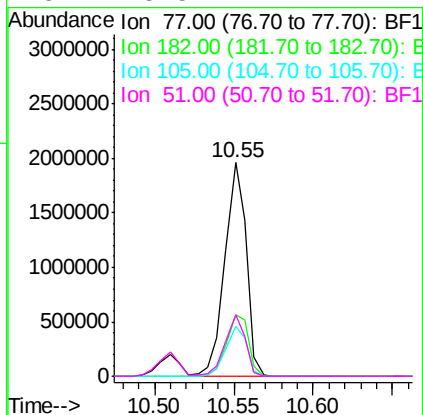
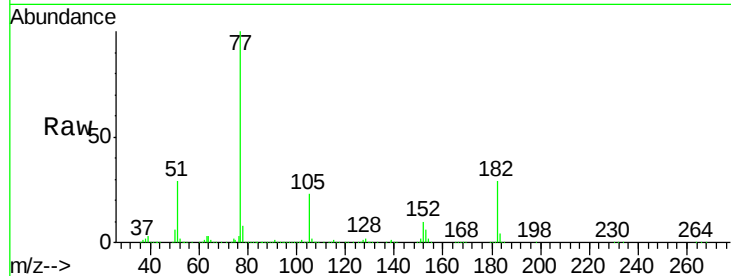
#63
Azobenzene
Concen: 58.626 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	29.0	9.2	49.2
105	23.3	3.1	43.1
51	28.5	7.4	47.4

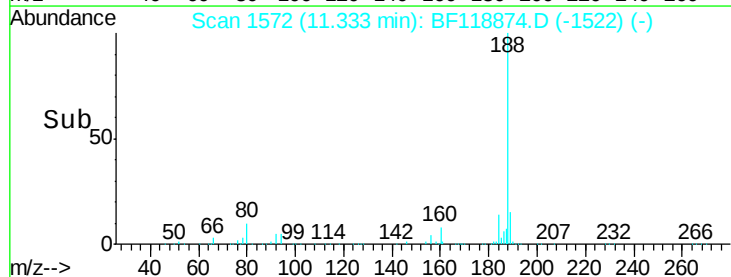
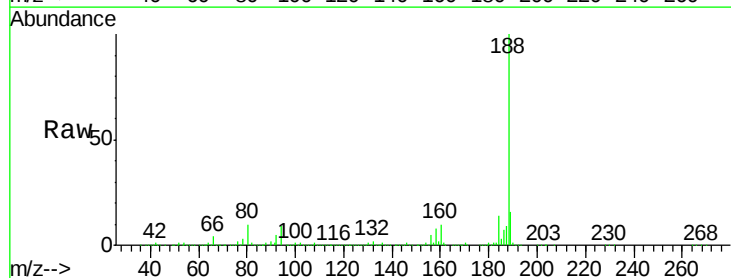
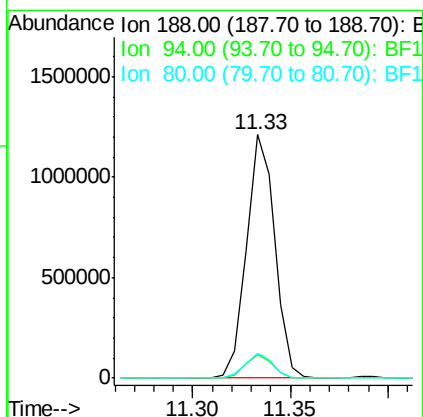
Manual Integrations
APPROVED

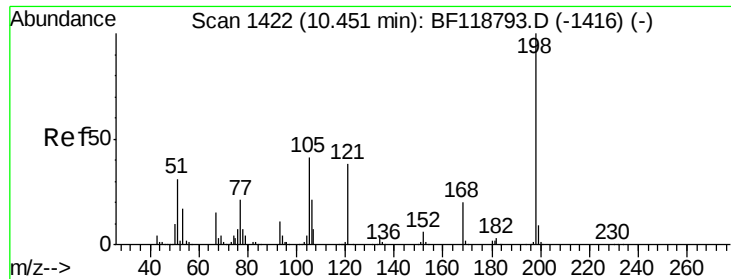
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.9	11.9
80	10.3	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 52.177 ng

RT: 10.45 min Scan# 1422

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tot Ion:198 Resp: 355694

Ion Ratio Lower Upper

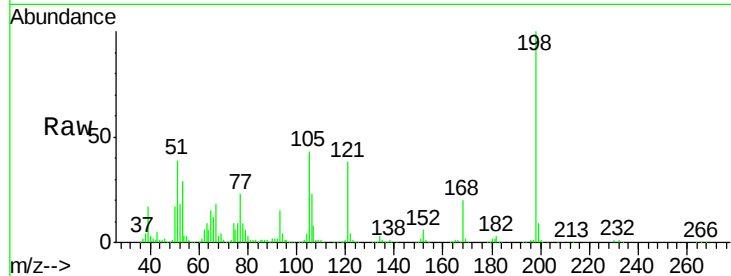
198 100

51 39.2 16.7 56.7

105 43.3 22.0 62.0

Manual Integrations
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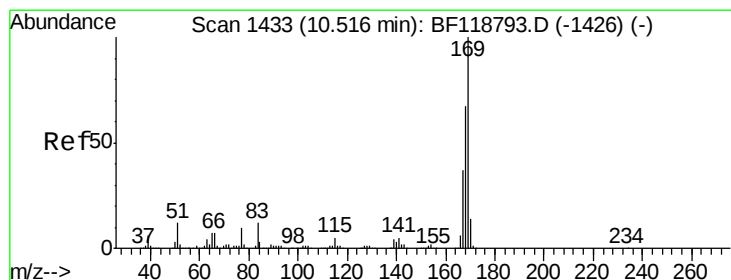
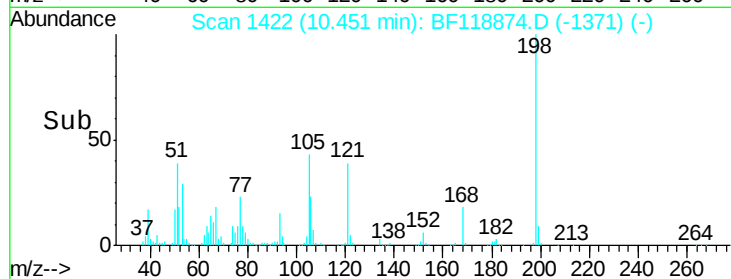
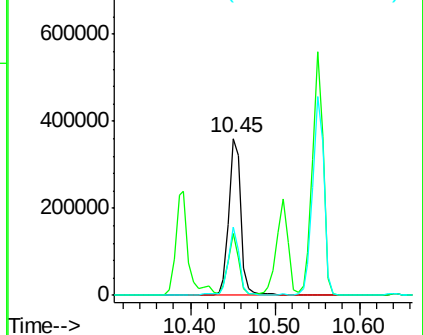
mohammad
2/13/2020 10:28:43 AM



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 48.731 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

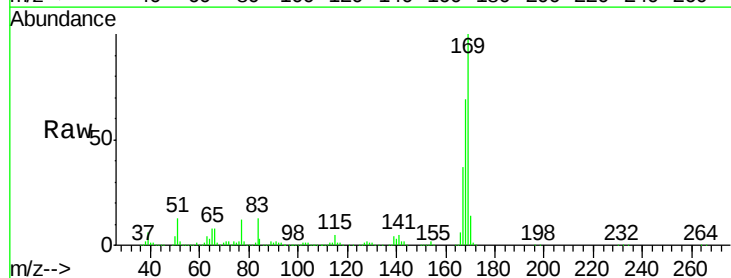
Tgt Ion:169 Resp: 1712461

Ion Ratio Lower Upper

169 100

168 68.6 53.5 80.3

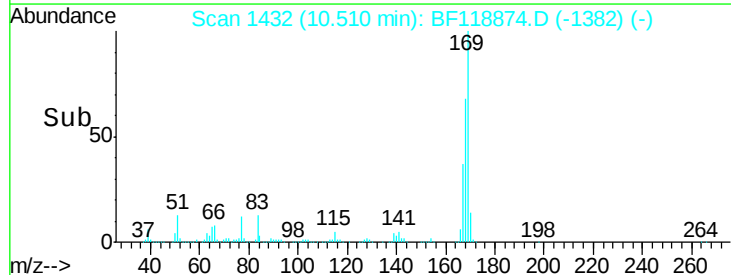
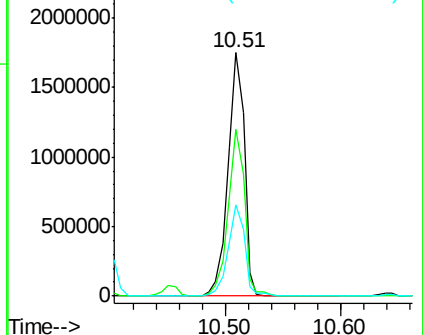
167 37.2 29.3 43.9

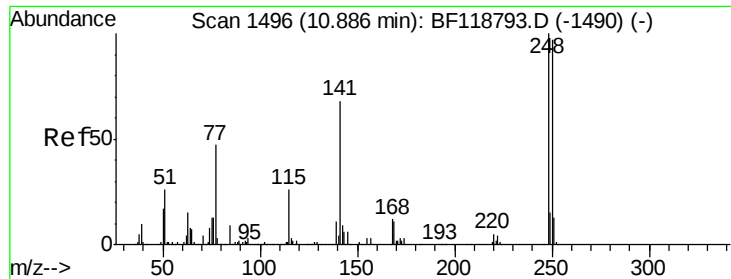


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





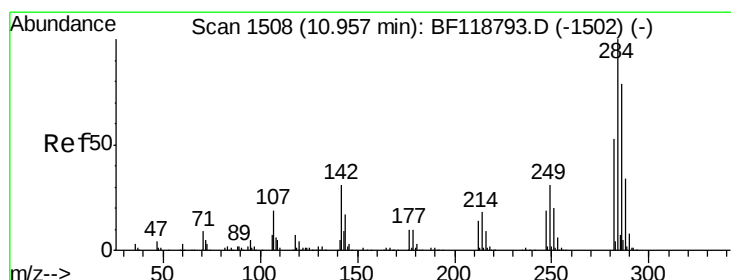
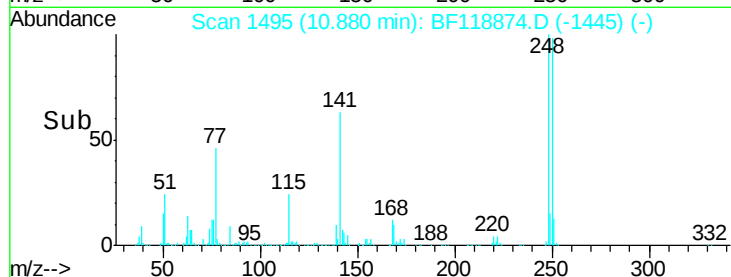
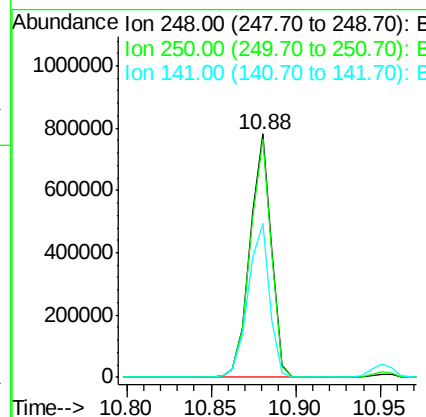
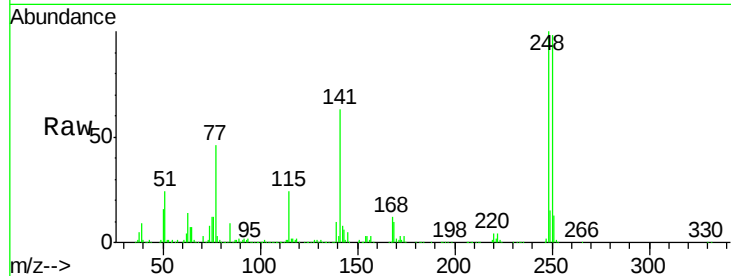
#67
4-Bromophenyl-phenylether
Concen: 47.885 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.6	116.4
141	63.2	54.4	81.6

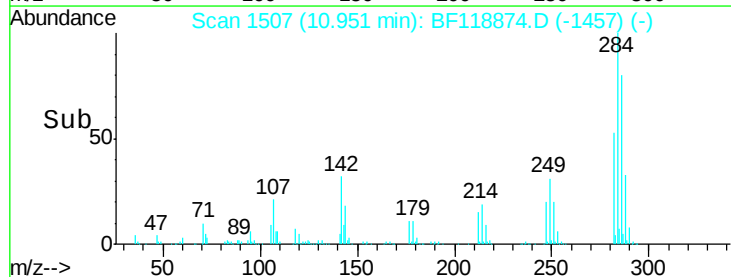
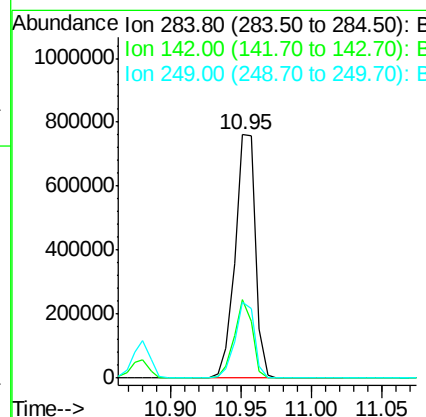
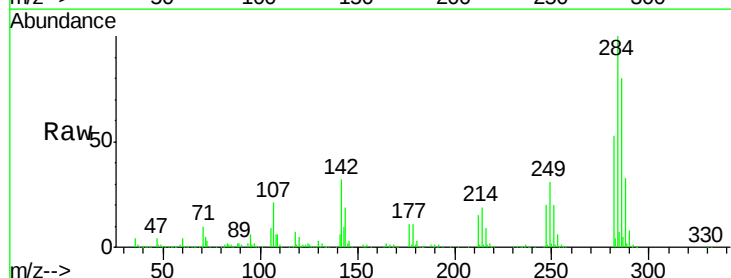
Manual Integrations
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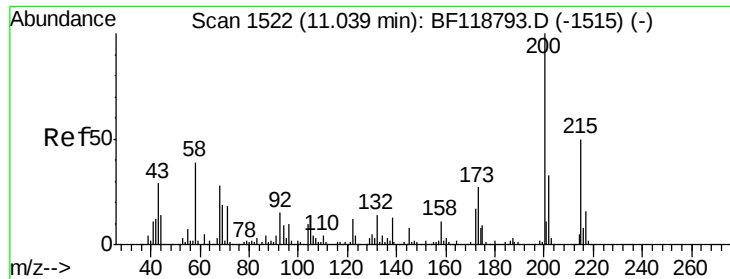
mohammad
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#68
Hexachlorobenzene
Concen: 46.094 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.3	24.5	36.7
249	31.3	24.7	37.1





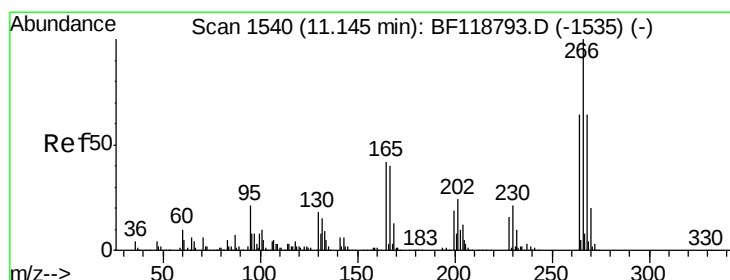
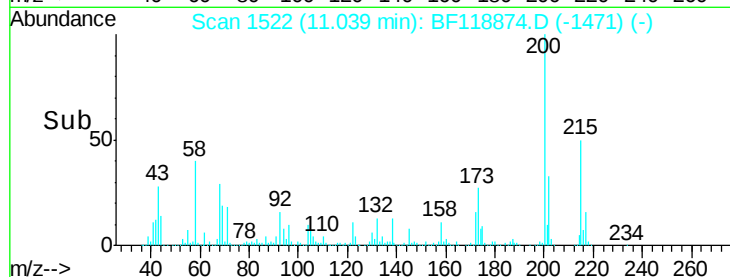
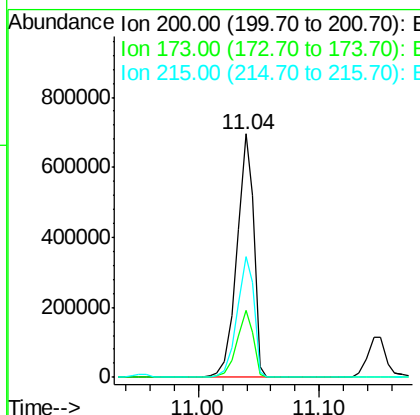
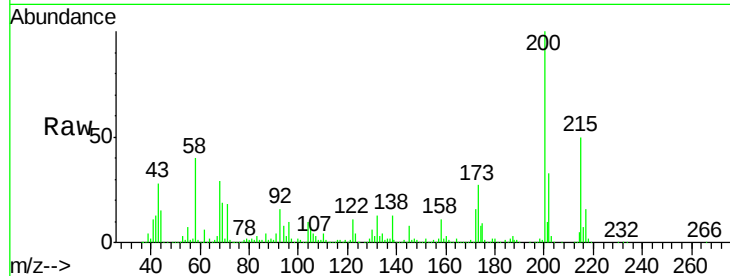
#69
Atrazine
Concen: 57.761 ng
RT: 11.04 min Scan# 1522
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.5	47.5
215	49.8	29.9	69.9

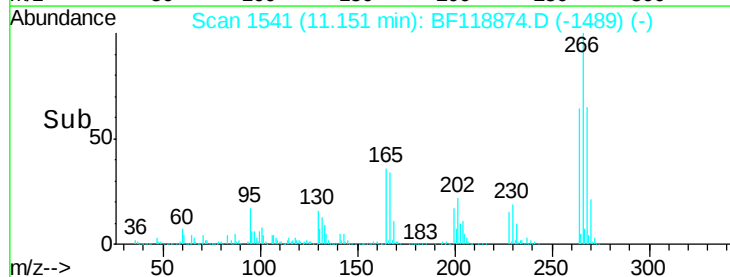
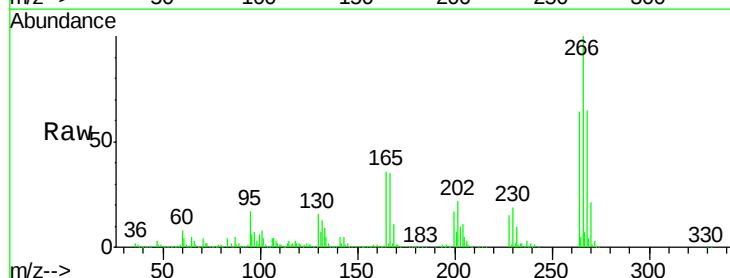
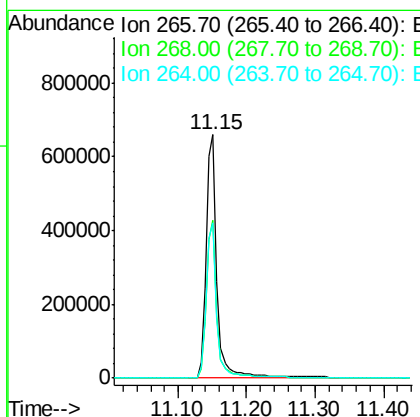
Manual Integrations
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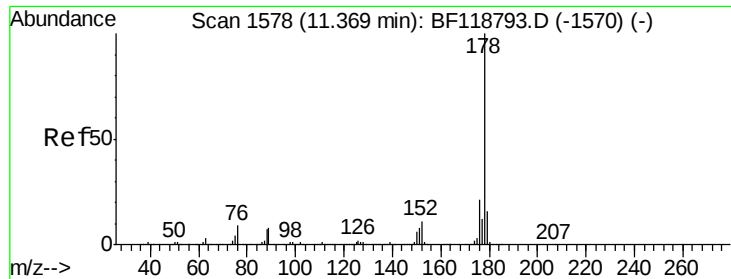
mohammad
2/13/2020 10:28:43 AM



#70
Pentachlorophenol
Concen: 86.725 ng
RT: 11.15 min Scan# 1541
Delta R.T. 0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.9	51.0	76.6
264	63.5	51.4	77.2





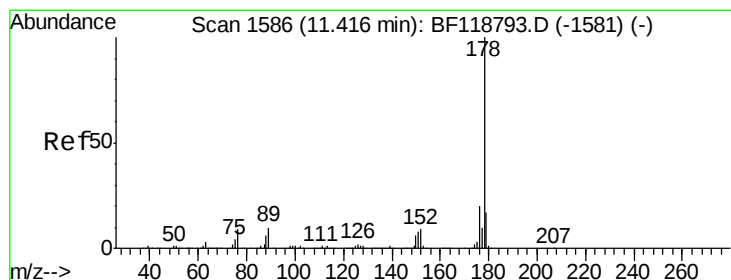
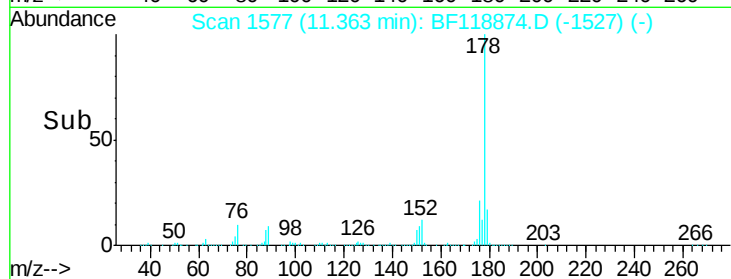
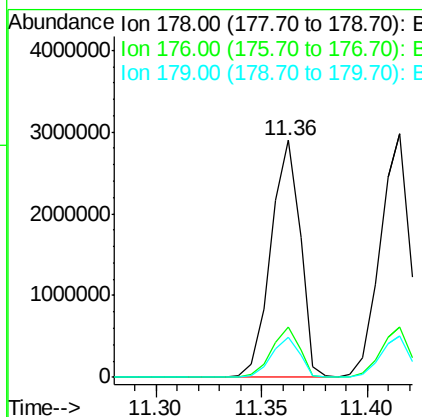
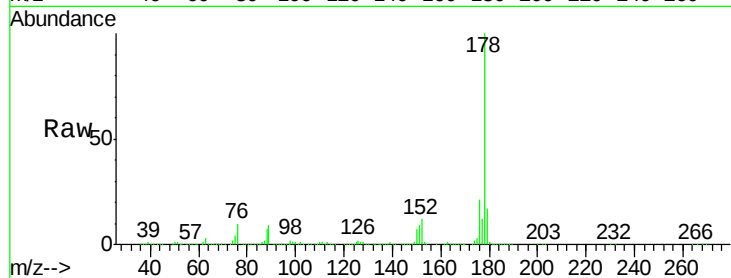
#71
Phenanthrene
Concen: 47.116 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:178 Resp: 2812402
Ion Ratio Lower Upper
178 100
176 21.4 16.6 24.8
179 17.1 13.2 19.8

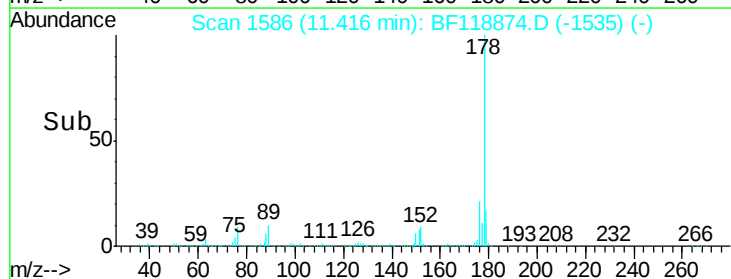
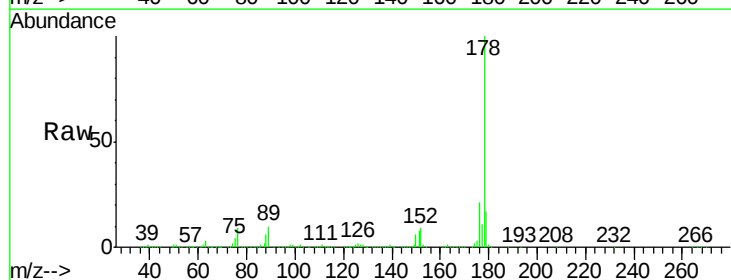
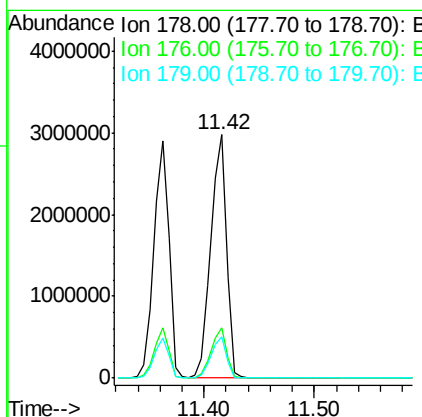
Manual Integrations
APPROVED

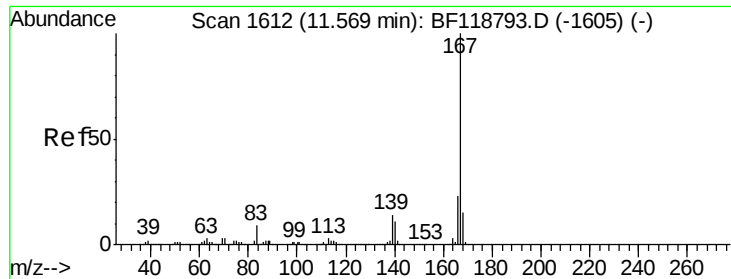
mohammad
2/13/2020 10:28:43 AM



#72
Anthracene
Concen: 48.676 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:178 Resp: 2890460
Ion Ratio Lower Upper
178 100
176 20.7 16.2 24.2
179 17.1 13.4 20.2





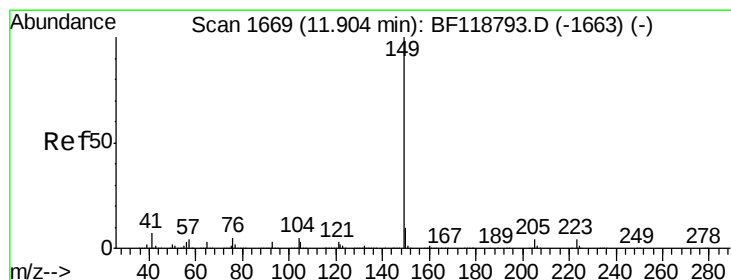
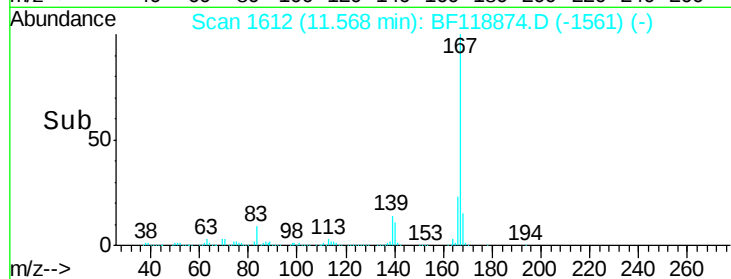
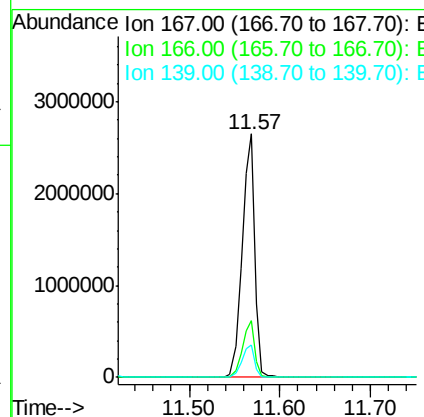
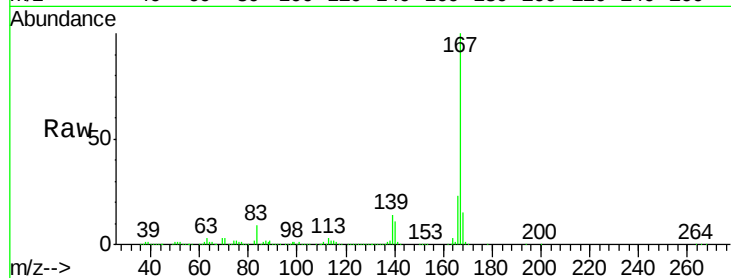
#73
 Carbazole
 Concen: 50.100 ng
 RT: 11.57 min Scan# 1612
 Delta R.T. -0.00 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Instrument :
 BNA_F
 ClientSampleId :
 TP-4MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	18.4	27.6
139	13.6	11.1	16.7

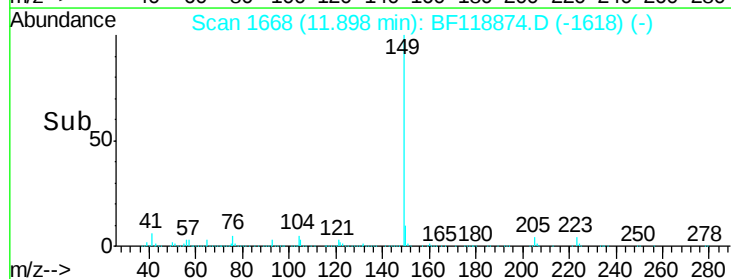
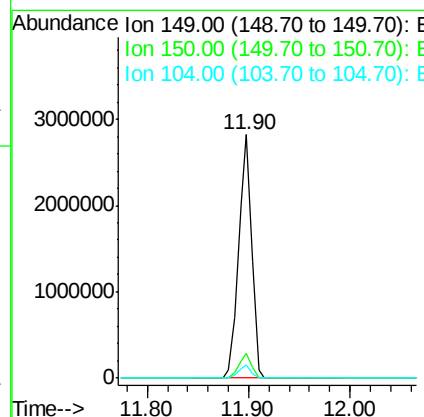
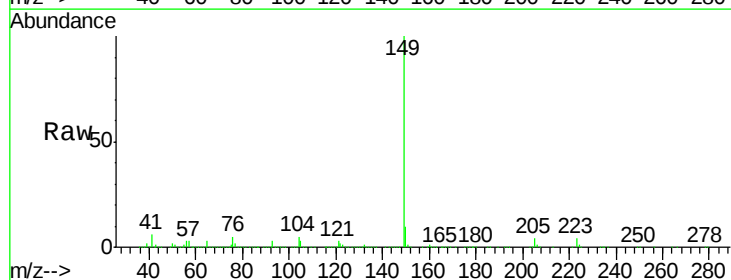
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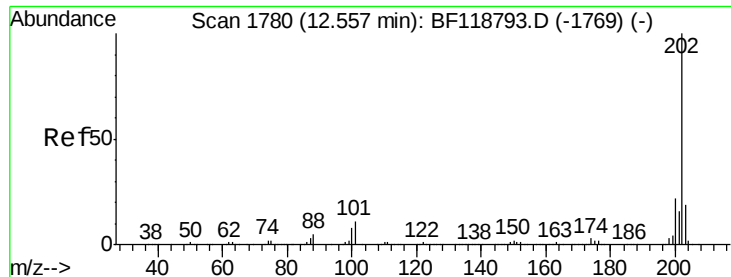
mohammad
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#74
 Di-n-butylphthalate
 Concen: 37.774 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118874.D
 Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.1	12.1
104	5.4	4.3	6.5





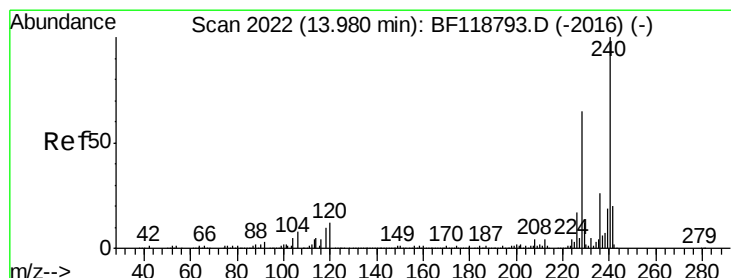
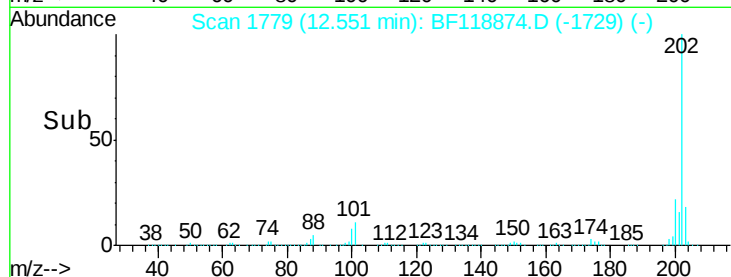
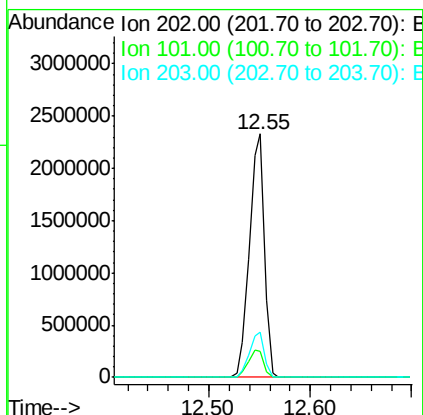
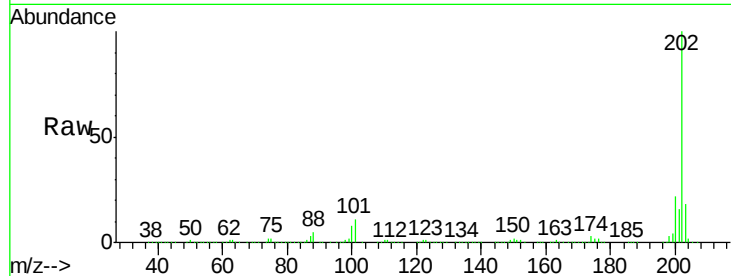
#75
Fluoranthene
Concen: 36.748 ng
RT: 12.55 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	31.0
203	18.3	0.0	38.7

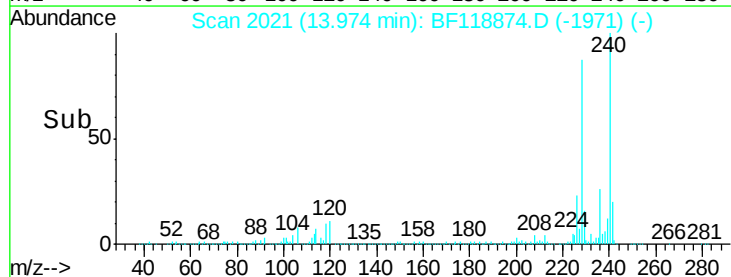
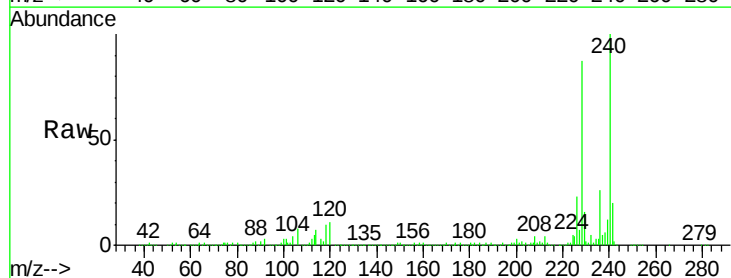
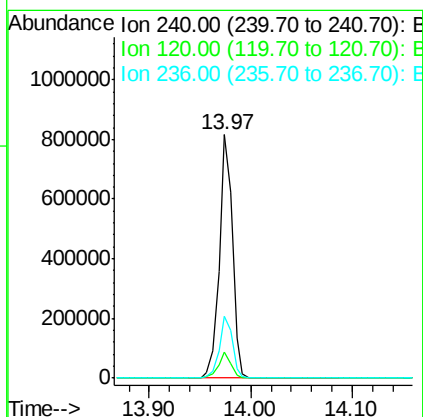
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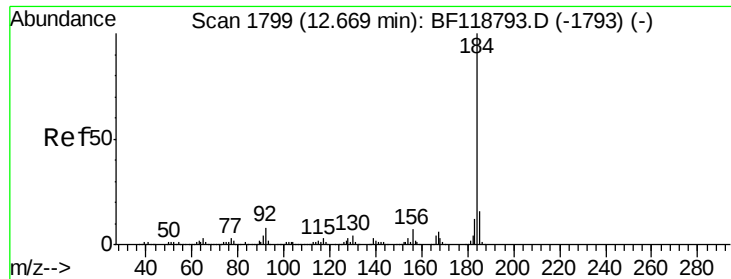
mohammad
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.4	14.0
236	25.6	21.0	31.6





#77

Benzidine

Concen: 53.490 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tot Ion:184 Resp: 1183411

Ion Ratio Lower Upper

184 100

185 14.2 12.5 18.7

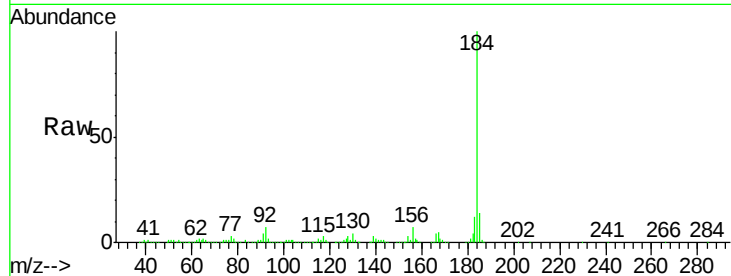
183 12.2 9.7 14.5

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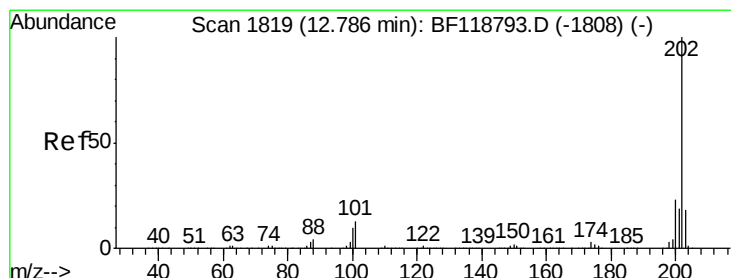
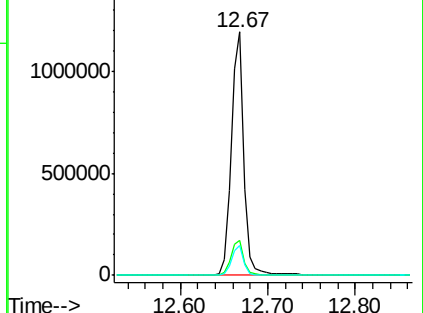
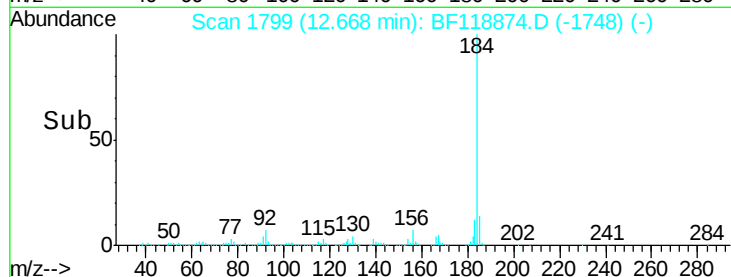
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Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 47.516 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

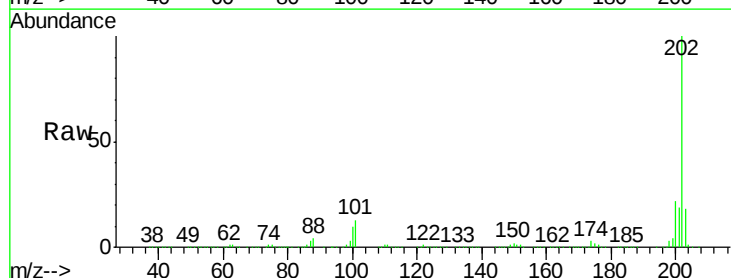
Tgt Ion:202 Resp: 2384388

Ion Ratio Lower Upper

202 100

200 22.2 18.2 27.2

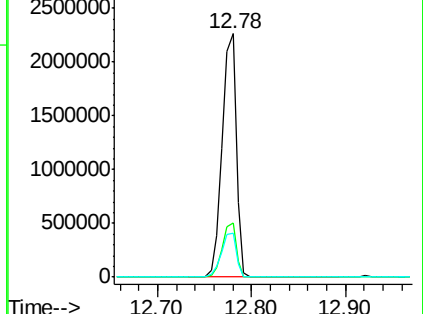
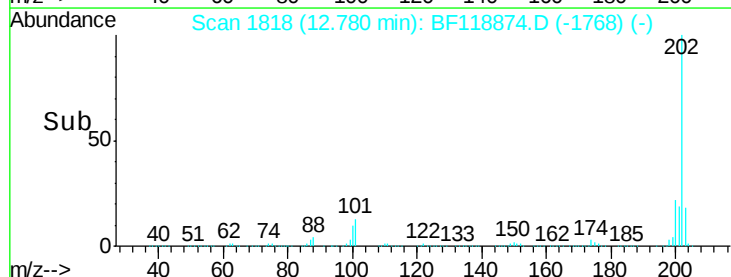
203 18.3 14.8 22.2

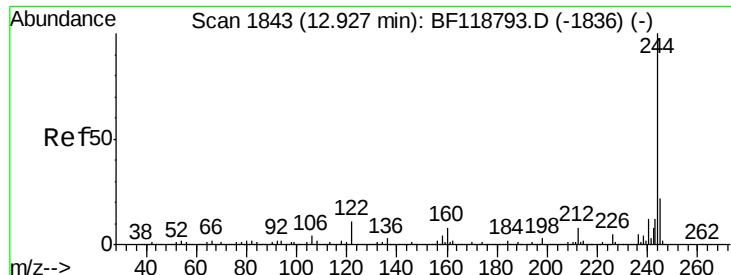


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 87.380 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tot Ion:244 Resp: 3111733

Ion Ratio Lower Upper

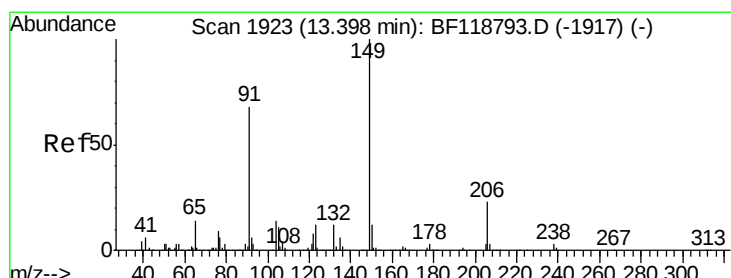
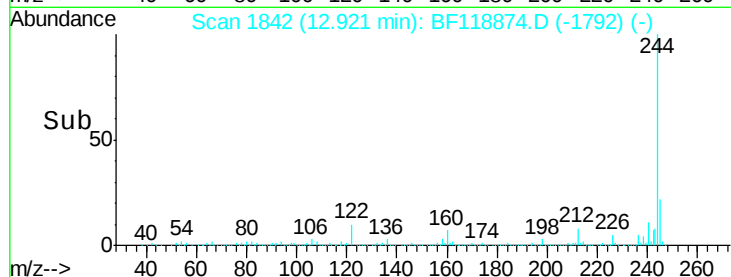
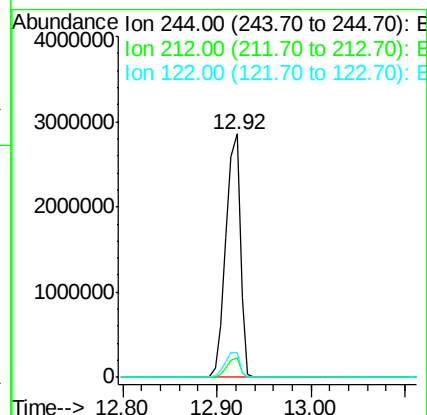
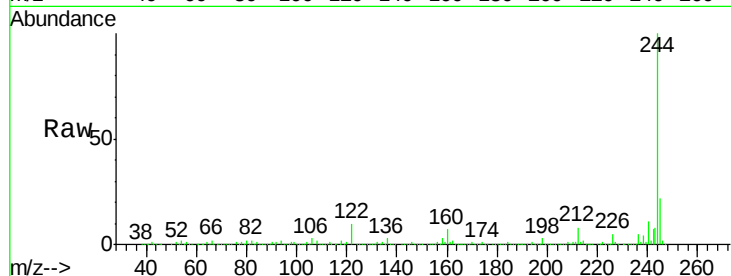
244 100

212 7.9 6.5 9.7

122 9.9 8.9 13.3

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#80

Butylbenzylphthalate

Concen: 52.253 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

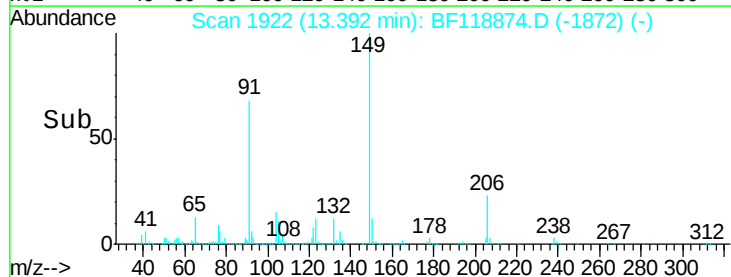
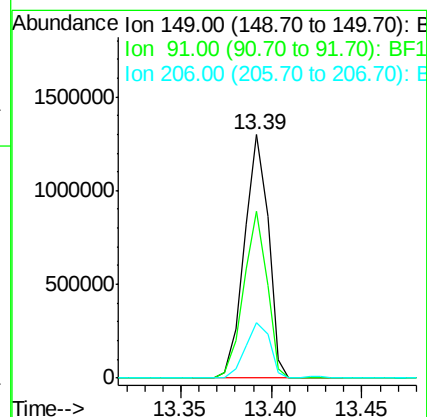
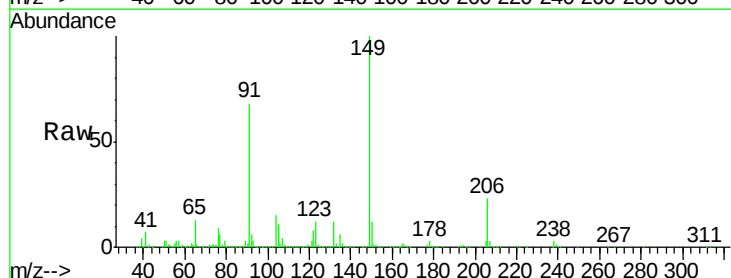
Tgt Ion:149 Resp: 1196799

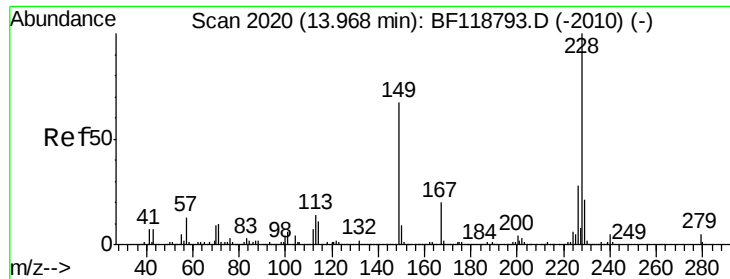
Ion Ratio Lower Upper

149 100

91 68.4 54.7 82.1

206 23.0 18.5 27.7





#81

Benzo(a)anthracene

Concen: 46.575 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.00 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

ClientSampleId :

TP-4MSD

Tot Ion:228 Resp: 2027287

Ion Ratio Lower Upper

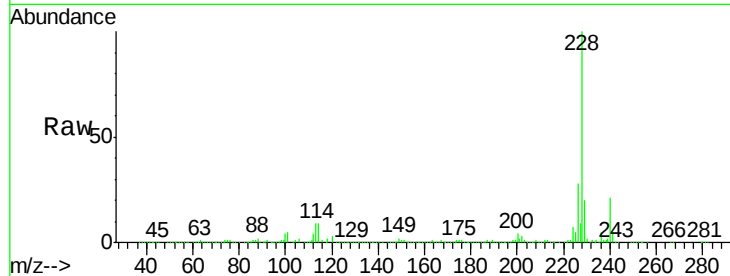
228 100

226 28.0 22.7 34.1

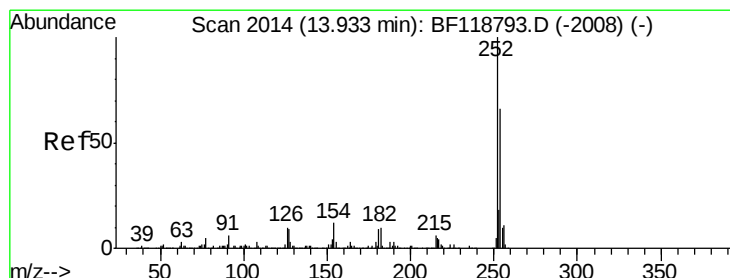
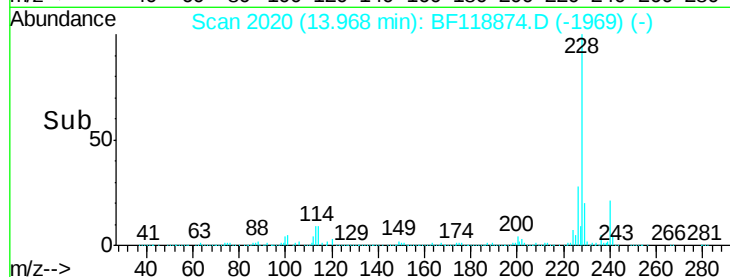
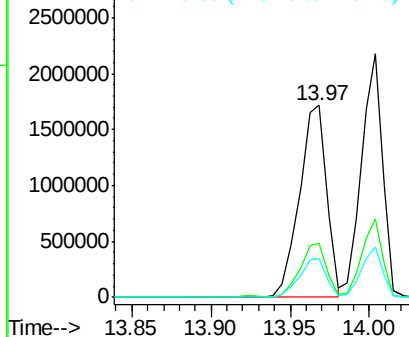
229 20.1 16.6 25.0

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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 37.887 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

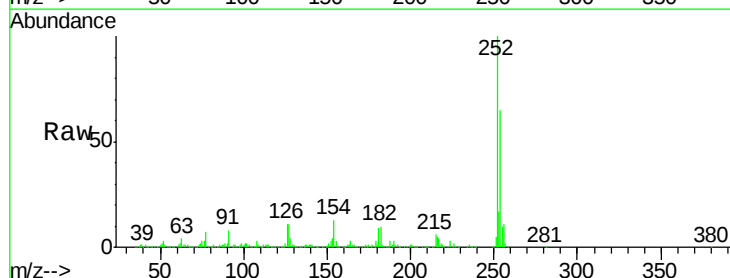
Tgt Ion:252 Resp: 674479

Ion Ratio Lower Upper

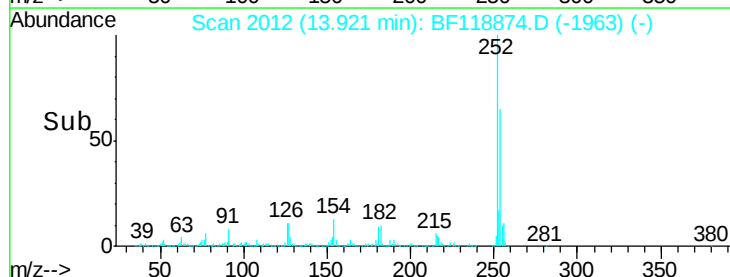
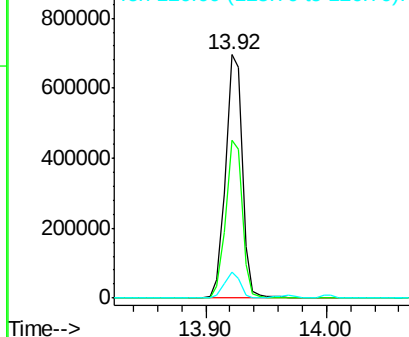
252 100

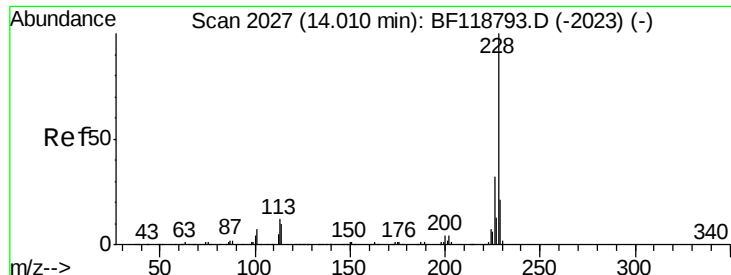
254 64.9 52.4 78.6

126 10.9 7.8 11.8



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





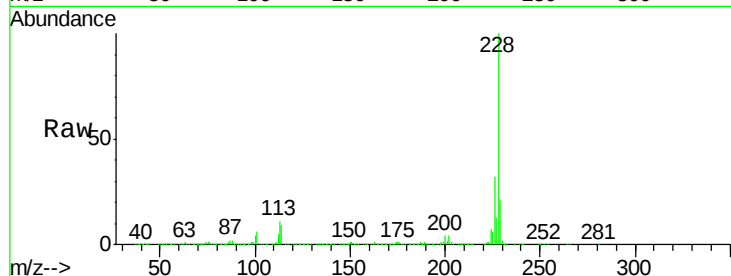
#83
Chrysene
Concen: 46.709 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

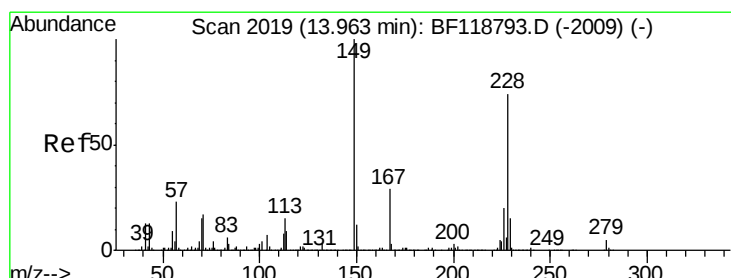
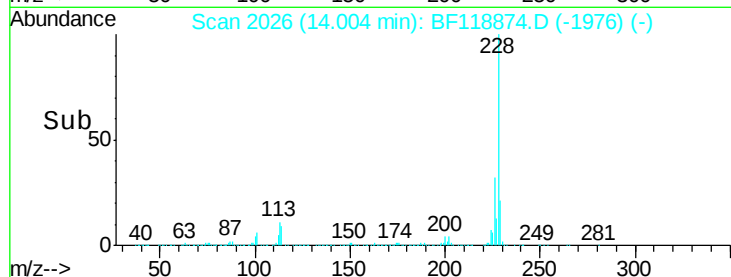
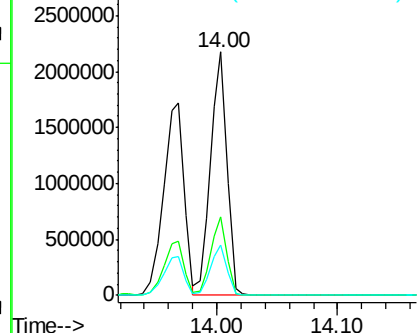
Tot Ion:228 Resp: 2040554
Ion Ratio Lower Upper
228 100
226 32.1 25.4 38.0
229 20.9 16.9 25.3

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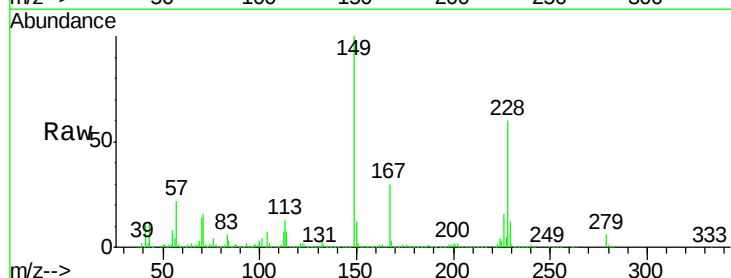


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

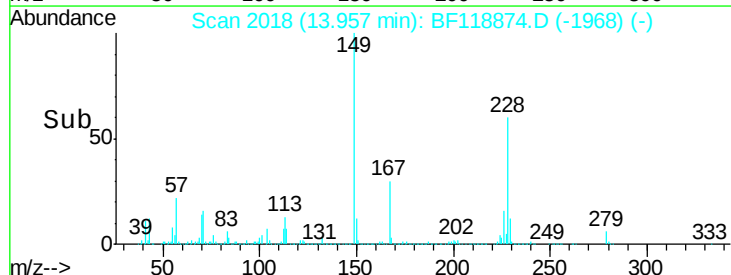
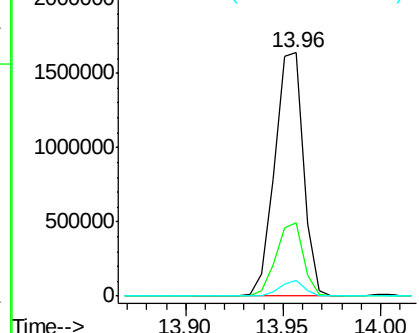


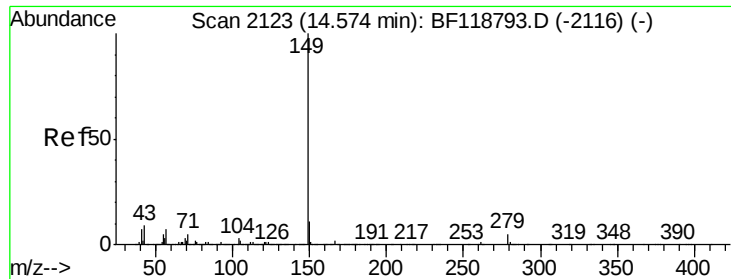
#84
Bis(2-ethylhexyl)phthalate
Concen: 57.598 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:149 Resp: 1673739
Ion Ratio Lower Upper
149 100
167 30.0 23.0 34.6
279 6.4 4.4 6.6



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E





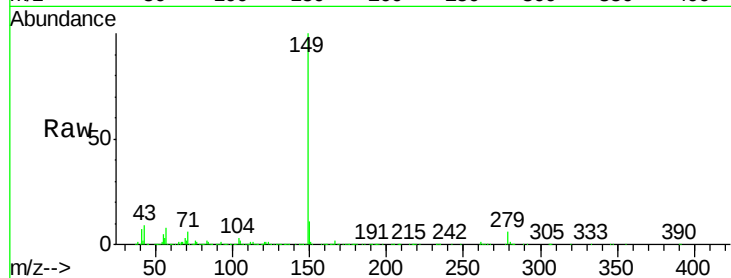
#85
Di-n-octyl phthalate
Concen: 57.017 ng
RT: 14.56 min Scan# 2121
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

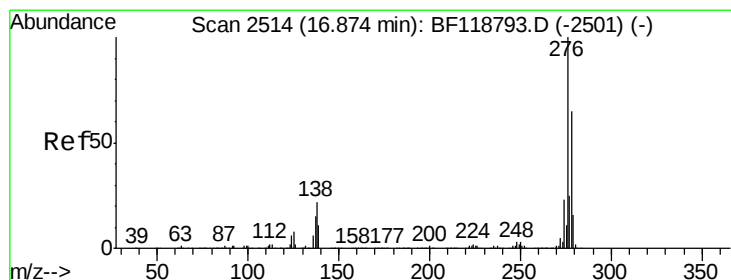
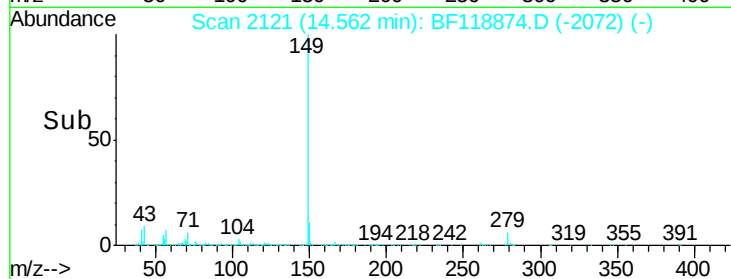
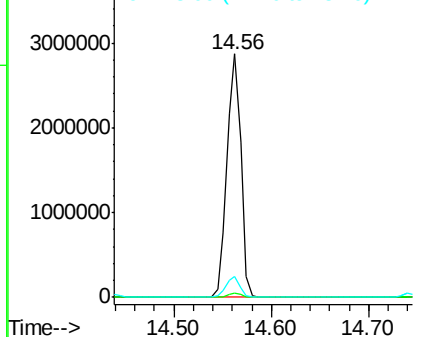
Tot Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.4	2.0
43	8.4	6.6	10.0

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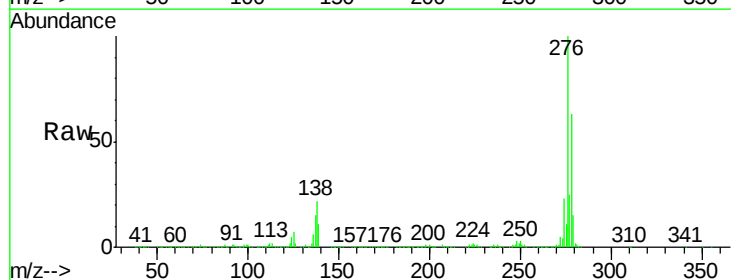


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

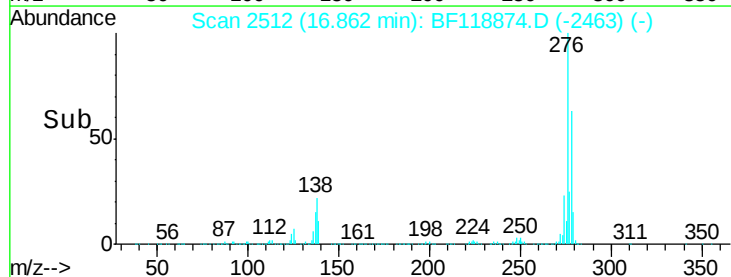
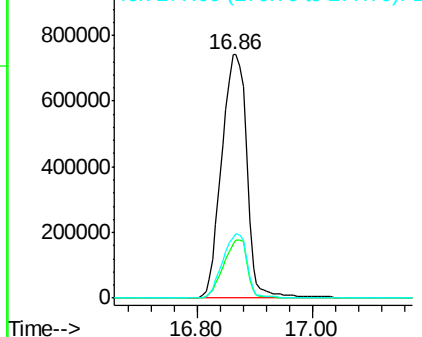


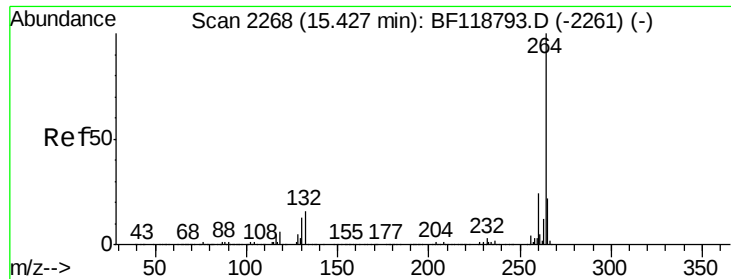
#86
Indeno(1,2,3-cd)pyrene
Concen: 51.422 ng
RT: 16.86 min Scan# 2512
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.8	18.3	27.5
277	25.7	20.2	30.4



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.42 min Scan# 2266

Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Instrument :

BNA_F

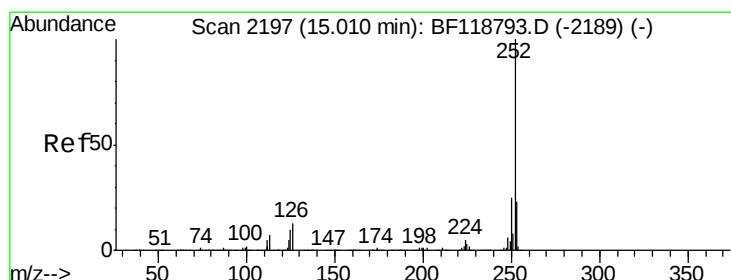
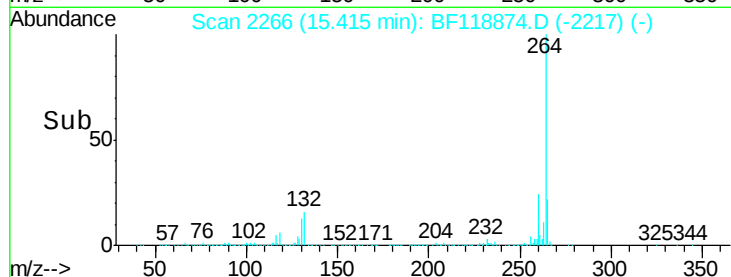
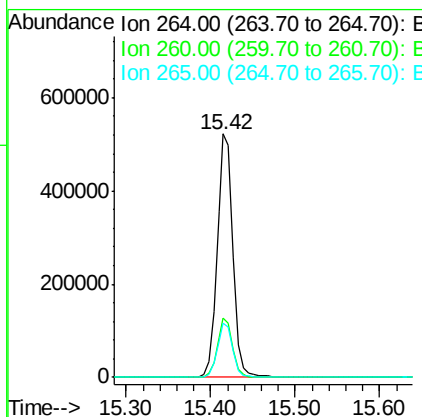
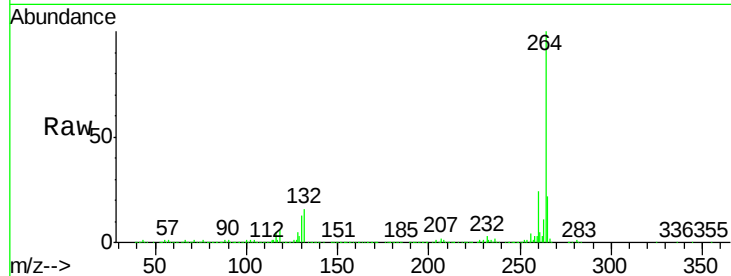
ClientSampleId :

TP-4MSD

Tot Ion:	264	Resp:	686308
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.1	28.7
265	22.4	17.2	25.8

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#88

Benzo(b)fluoranthene

Concen: 47.377 ng

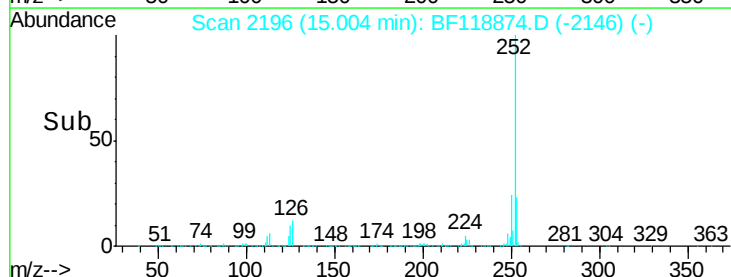
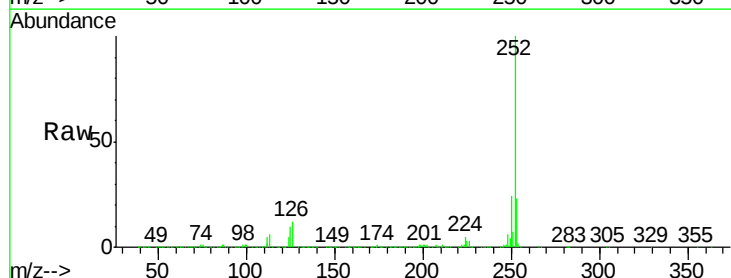
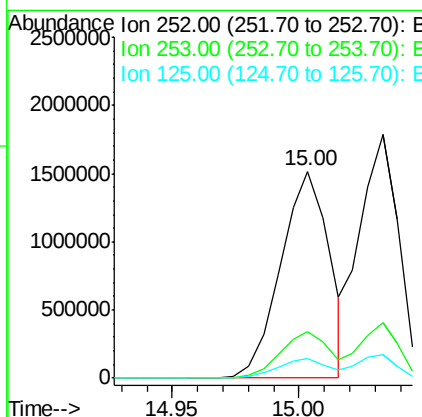
RT: 15.00 min Scan# 2196

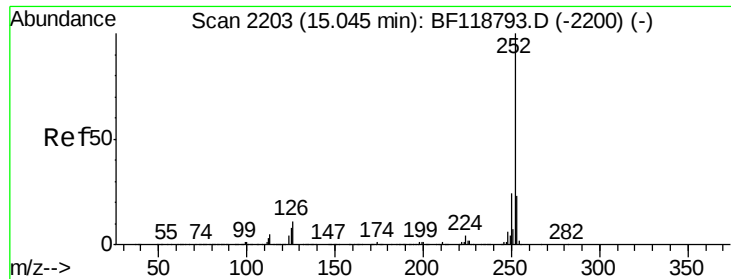
Delta R.T. -0.01 min

Lab File: BF118874.D

Acq: 10 Feb 2020 17:46

Tgt Ion:	252	Resp:	2017614
Ion Ratio	Lower	Upper	
252	100		
253	22.7	18.4	27.6
125	9.6	8.1	12.1





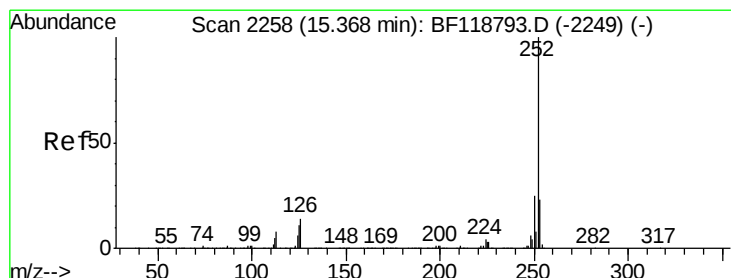
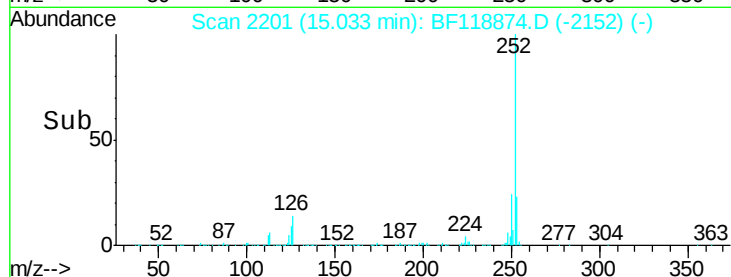
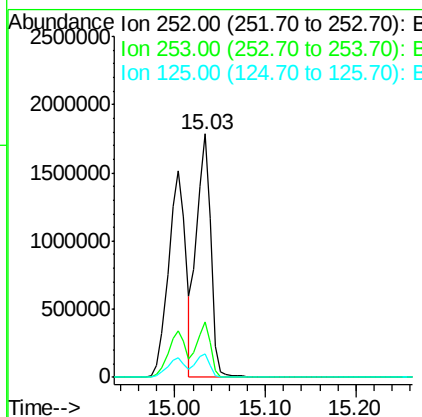
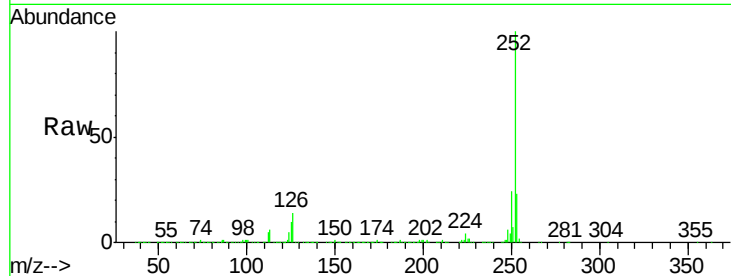
#89
Benzo(k)fluoranthene
Concen: 52.287 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

Tot Ion:252 Resp: 1939054
Ion Ratio Lower Upper
252 100
253 22.9 18.2 27.4
125 9.6 7.0 10.6

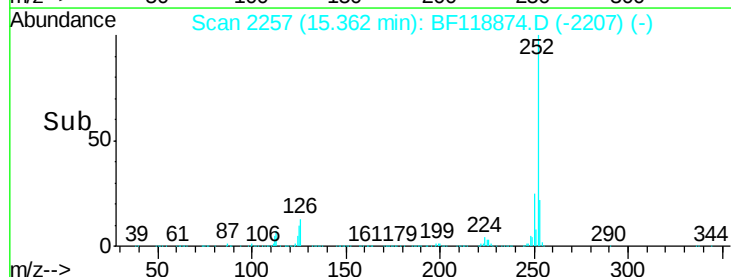
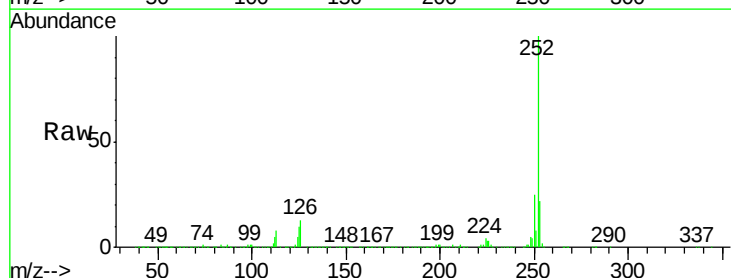
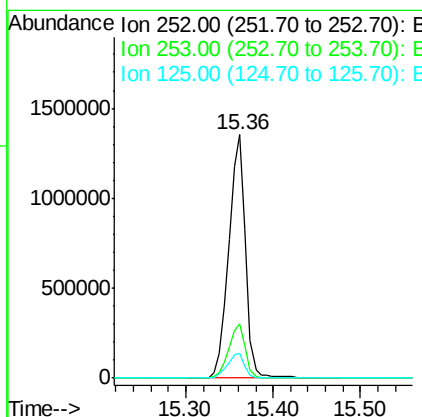
Manual Integrations
APPROVED

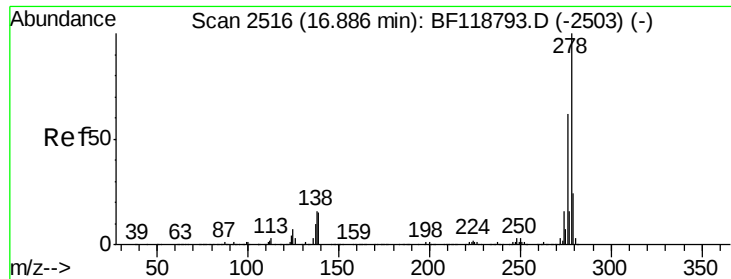
mohammad
2/13/2020 10:28:43 AM



#90
Benzo(a)pyrene
Concen: 48.719 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion:252 Resp: 1775607
Ion Ratio Lower Upper
252 100
253 22.4 18.1 27.1
125 10.0 8.7 13.1





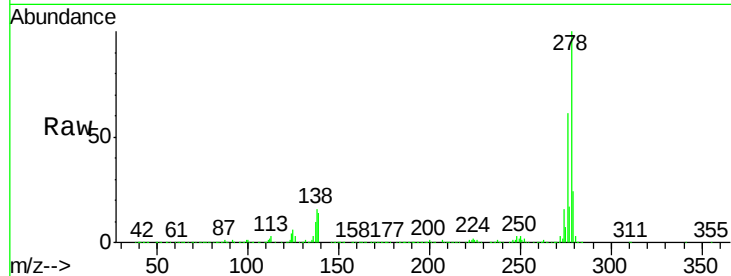
#91
Dibenzo(a,h)anthracene
Concen: 58.919 ng
RT: 16.88 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Instrument :
BNA_F
ClientSampleId :
TP-4MSD

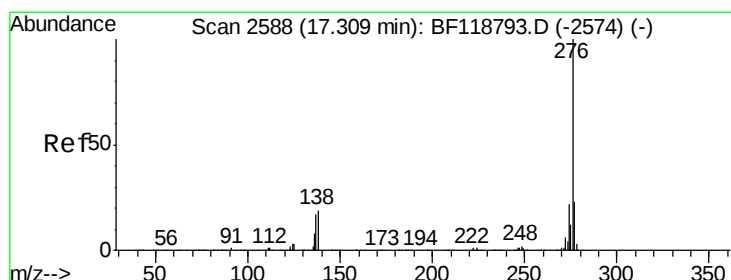
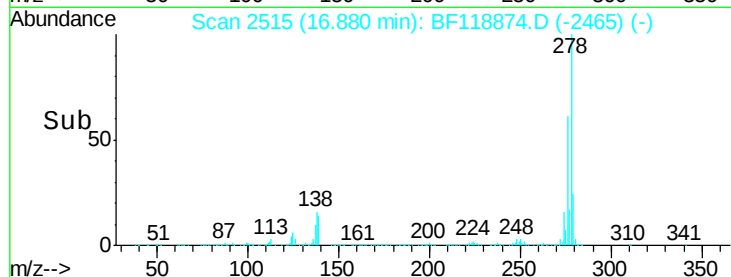
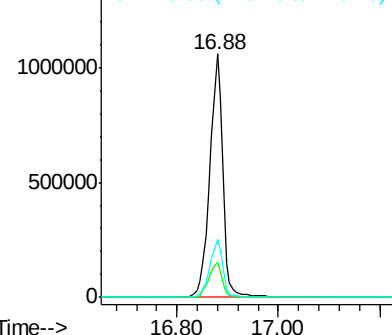
Tot Ion	Ratio	Lower	Upper
278	100		
139	14.4	12.3	18.5
279	23.9	19.1	28.7

Manual Integrations
APPROVED

mohammad
2/13/2020 10:28:43 AM

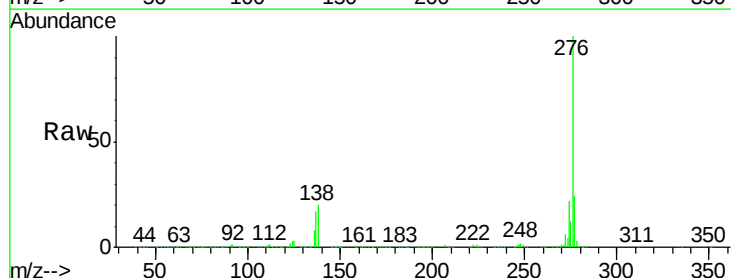


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#92
Benzo(g,h,i)perylene
Concen: 60.713 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.01 min
Lab File: BF118874.D
Acq: 10 Feb 2020 17:46

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	18.7	28.1
138	19.5	15.4	23.2



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

