

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118894.D
 Acq On : 11 Feb 2020 20:05
 Operator : CG/JU
 Sample : L1484-03MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 SP-3MSD

Manual Integrations
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 2/12/2020 3:51:02 PM

Quant Time: Feb 12 07:33:04 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	6.80	152	280560	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	847605	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	489906	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	935052	20.00	ng	0.00
76) Chrysene-d12	13.97	240	749196	20.00	ng	0.00
87) Perylene-d12	15.42	264	784207	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1698239	114.58	ng	0.00
7) Phenol-d6	6.45	99	2164447	117.64	ng	0.00
23) Nitrobenzene-d5	7.37	82	1398774	98.36	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	680857	116.15	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2153989	78.60	ng	-0.01
79) Terphenyl-d14	12.92	244	3195518	87.61	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.54	88	257002	38.048	ng	99
3) Pyridine	3.30	79	670094	35.727	ng	100
4) n-Nitrosodimethylamine	3.23	42	303651	44.466	ng	97
6) Aniline	6.47	93	674127	28.448	ng	# 29
8) 2-Chlorophenol	6.60	128	809486	49.034	ng	98
9) Benzaldehyde	6.35	77	358382	31.368	ng	99
10) Phenol	6.46	94	925088	45.219	ng	80
11) bis(2-Chloroethyl)ether	6.54	93	753757	48.159	ng	99
12) 1,3-Dichlorobenzene	6.75	146	845661	43.035	ng	99
13) 1,4-Dichlorobenzene	6.82	146	861897	43.972	ng	99
14) 1,2-Dichlorobenzene	6.98	146	800099	42.731	ng	99
15) Benzyl Alcohol	6.95	79	663185	46.633	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	861765	44.961	ng	94
17) 2-Methylphenol	7.07	107	648925	47.280	ng	98
18) Hexachloroethane	7.32	117	287076	40.807	ng	95
19) n-Nitroso-di-n-propylamine	7.22	70	503679	44.742	ng	97
20) 3+4-Methylphenols	7.22	107	767404	44.607	ng	91
22) Acetophenone	7.22	105	997762	54.181	ng	97
24) Nitrobenzene	7.39	77	778620	54.809	ng	99
25) Isophorone	7.63	82	1113396	43.565	ng	98
26) 2-Nitrophenol	7.70	139	345035	45.580	ng	98
27) 2,4-Dimethylphenol	7.75	122	530166	51.558	ng	97
28) bis(2-Chloroethoxy)methane	7.84	93	691152	41.705	ng	99
29) 2,4-Dichlorophenol	7.95	162	548707	44.557	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	601202	41.767	ng	99
31) Naphthalene	8.11	128	1740212	44.890	ng	100
32) Benzoic acid	7.89	122	371310	43.613	ng	99
33) 4-Chloroaniline	8.16	127	268443	15.478	ng	98
34) Hexachlorobutadiene	8.23	225	359280	40.741	ng	99
35) Caprolactam	8.53	113	187363m	46.933	ng	
36) 4-Chloro-3-methylphenol	8.66	107	572100	46.163	ng	98
37) 2-Methylnaphthalene	8.80	142	1220836	45.408	ng	98
38) 1-Methylnaphthalene	8.90	142	1135101	44.880	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	609799	41.243	ng	99

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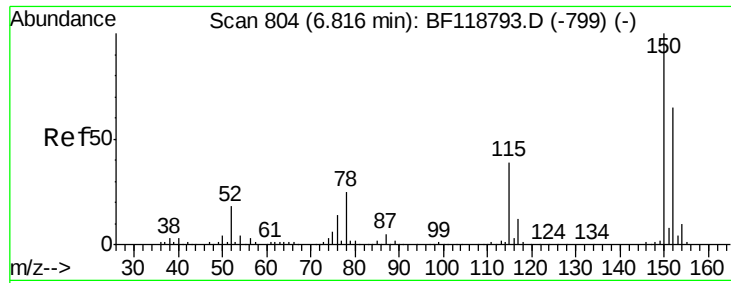
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	283479	48.895	nq	99
43) 2,4,6-Trichlorophenol	9.09	196	430185	43.509	nq	99
44) 2,4,5-Trichlorophenol	9.13	196	448997	44.444	nq	99
46) 1,1'-Biphenyl	9.27	154	1460421	43.094	nq	99
47) 2-Chloronaphthalene	9.29	162	1177978	41.812	nq	100
48) 2-Nitroaniline	9.39	65	337613	41.549	nq	92
49) Acenaphthylene	9.71	152	1827204	44.919	nq	100
50) Dimethylphthalate	9.57	163	1575977	47.244	nq	99
51) 2,6-Dinitrotoluene	9.63	165	335288	43.928	nq	92
52) Acenaphthene	9.88	154	1100139	41.042	nq	99
53) 3-Nitroaniline	9.80	138	186169	21.993	nq	99
54) 2,4-Dinitrophenol	9.91	184	185094	50.444	nq	93
55) Dibenzofuran	10.05	168	1683285	43.453	nq	98
56) 4-Nitrophenol	9.98	139	520739	85.000	nq	96
57) 2,4-Dinitrotoluene	10.04	165	452514	44.799	nq	93
58) Fluorene	10.40	166	1285046	44.094	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	388506	44.034	nq	99
60) Diethylphthalate	10.27	149	1433706	44.200	nq	98
61) 4-Chlorophenyl-phenylether	10.39	204	673255	42.598	nq	98
62) 4-Nitroaniline	10.42	138	298399	35.202	nq	97
63) Azobenzene	10.55	77	1221587	44.113	nq	98
65) 4,6-Dinitro-2-methylphenol	10.45	198	160054	30.462	nq	86
66) n-Nitrosodiphenylamine	10.50	169	1185685	43.777	nq	100
67) 4-Bromophenyl-phenylether	10.87	248	466846	42.205	nq	99
68) Hexachlorobenzene	10.95	284	523434	41.257	nq	94
69) Atrazine	11.03	200	439354	48.690	nq	100
70) Pentachlorophenol	11.15	266	526435	78.583	nq	99
71) Phenanthrene	11.36	178	2209047	48.017	nq	100
72) Anthracene	11.41	178	2055166	44.904	nq	99
73) Carbazole	11.56	167	1768585	44.032	nq	100
74) Di-n-butylphthalate	11.89	149	2224340	43.472	nq	100
75) Fluoranthene	12.55	202	2342079	46.627	nq	99
77) Benzidine	12.66	184	772483	34.090	nq	98
78) Pyrene	12.77	202	2238596	43.555	nq	100
80) Butylbenzylphthalate	13.39	149	1137142	48.474	nq	94
81) Benzo(a)anthracene	13.96	228	2028417	45.499	nq	100
82) 3,3'-Dichlorobenzidine	13.92	252	569930	31.257	nq	99
83) Chrysene	14.00	228	2018681	45.116	nq	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1562768	52.507	nq	100
85) Di-n-octyl phthalate	14.56	149	2295584	45.022	nq	98
86) Indeno(1,2,3-cd)pyrene	16.87	276	2227959	49.559	nq	99
88) Benzo(b)fluoranthene	15.00	252	2224693	45.718	nq	99
89) Benzo(k)fluoranthene	15.03	252	1693099	39.956	nq	98
90) Benzo(a)pyrene	15.36	252	1877829	45.091	nq	99
91) Dibenzo(a,h)anthracene	16.89	278	1833346	49.591	nq	100
92) Benzo(g,h,i)perylene	17.31	276	1791702	50.394	nq	98

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



#1

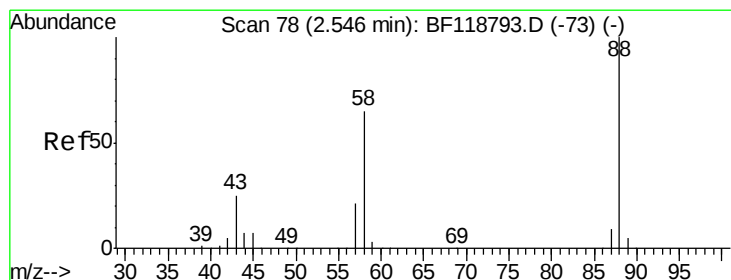
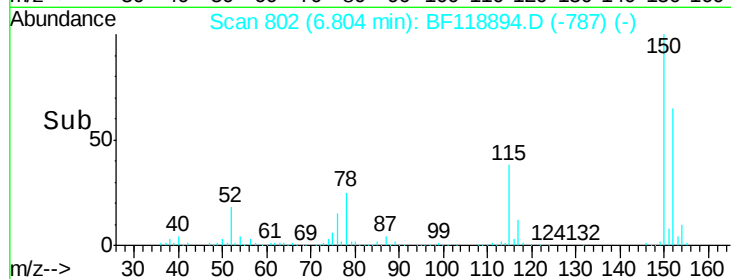
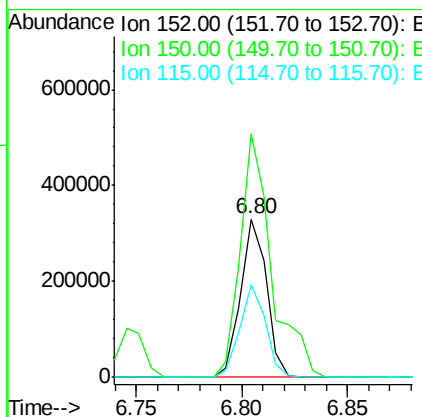
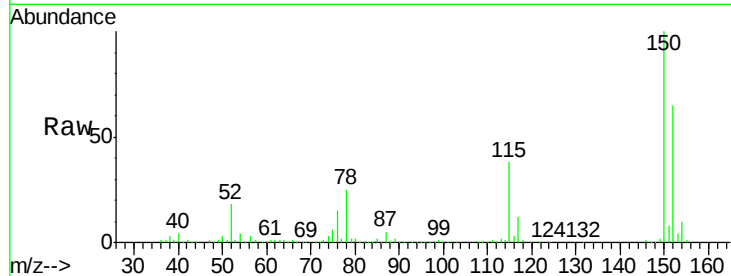
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.6	185.4
115	58.4	48.2	72.2

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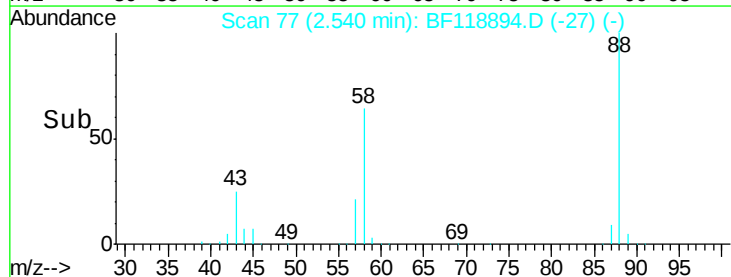
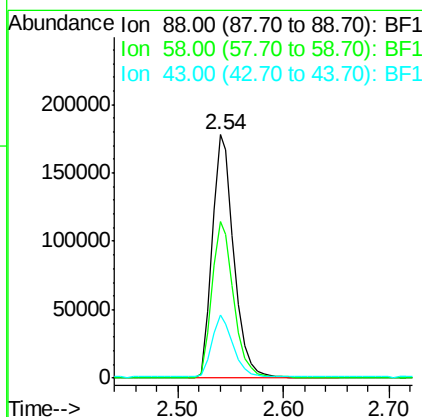
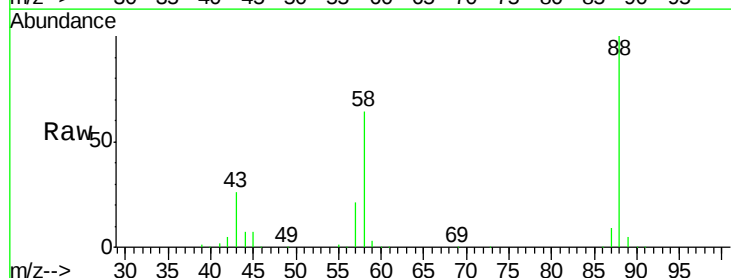
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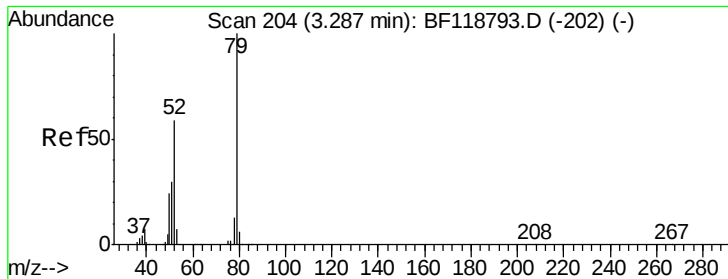


#2

1,4-Dioxane
Concen: 38.048 ng
RT: 2.54 min Scan# 77
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.1	51.6	77.4
43	24.6	19.8	29.6





#3

Pvridine

Concen: 35.727 ng

RT: 3.30 min Scan# 206

Delta R.T. 0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

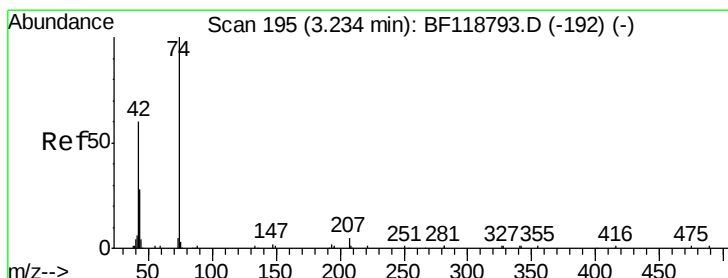
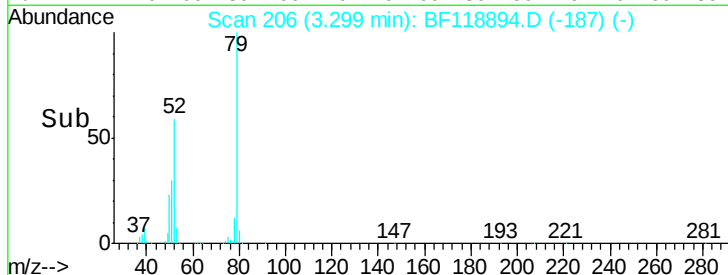
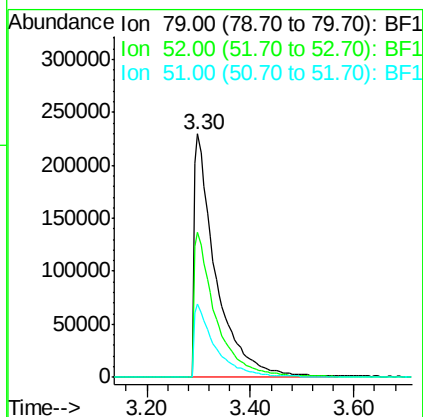
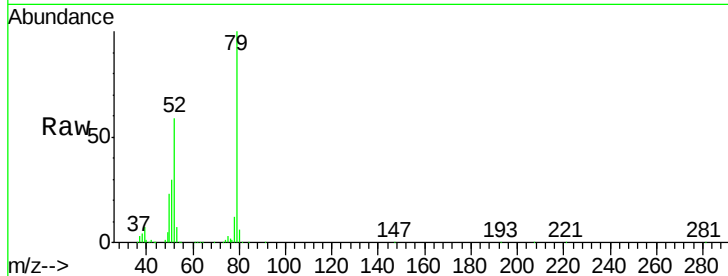
ClientSampleId :

SP-3MSD

Tot Ion:	79	Resp:	670094
Ion Ratio	Lower	Upper	
79	100		
52	59.4	47.4	71.0
51	30.4	24.2	36.4

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 44.466 ng

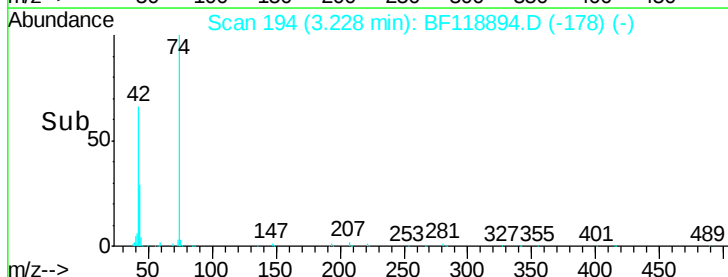
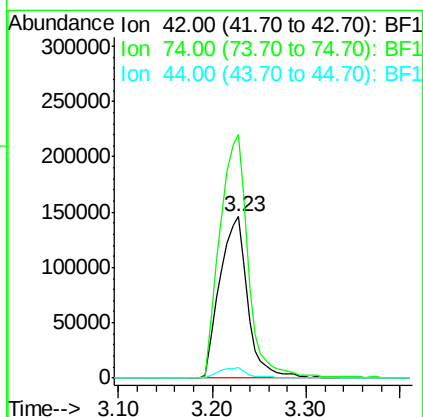
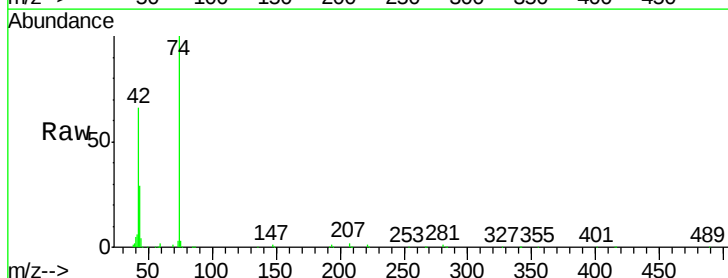
RT: 3.23 min Scan# 194

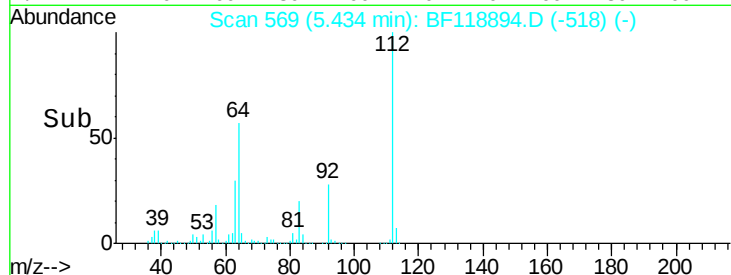
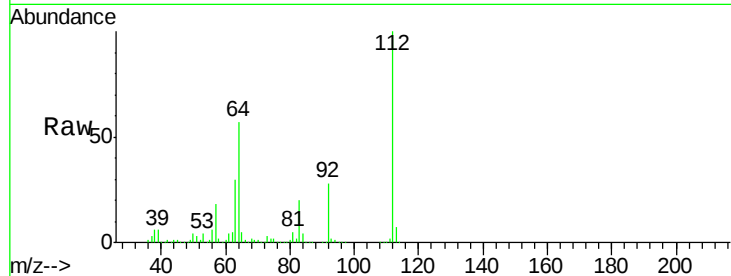
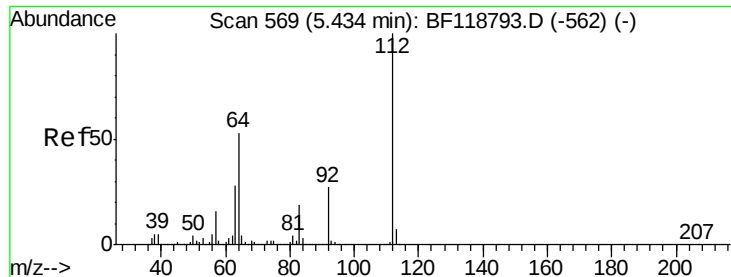
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	42	Resp:	303651
Ion Ratio	Lower	Upper	
42	100		
74	151.1	124.3	186.5
44	6.7	5.3	7.9





#5

2-Fluorophenol

Concen: 114.580 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:112 Resp: 1698239

Ion Ratio Lower Upper

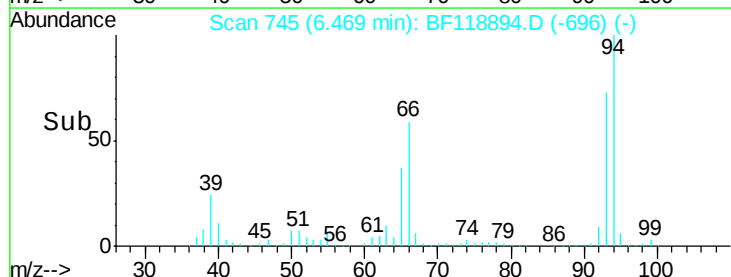
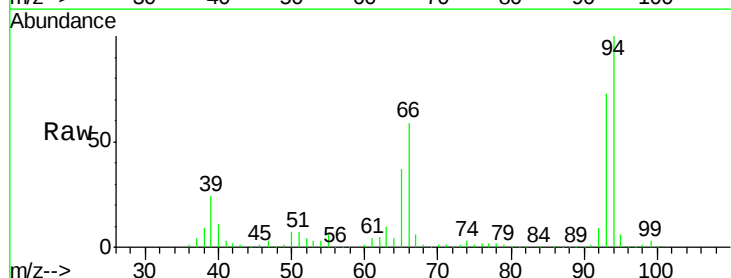
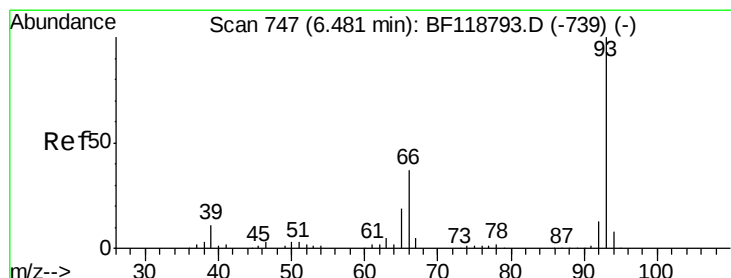
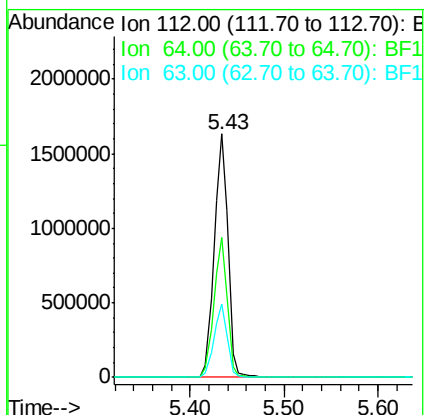
112 100

64 57.4 42.6 63.8

63 30.4 22.2 33.4

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#6

Aniline

Concen: 28.448 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

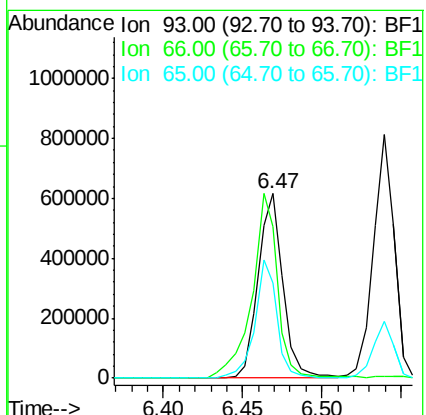
Tgt Ion: 93 Resp: 674127

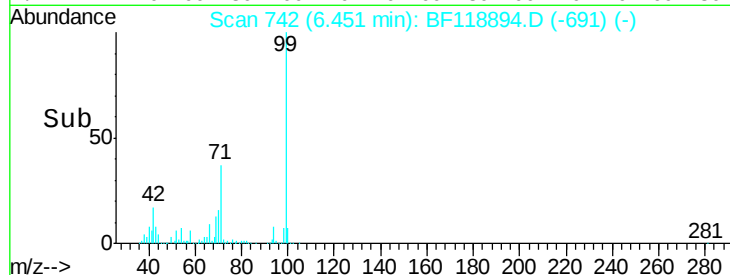
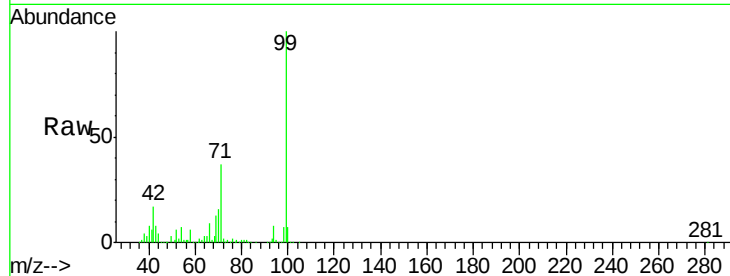
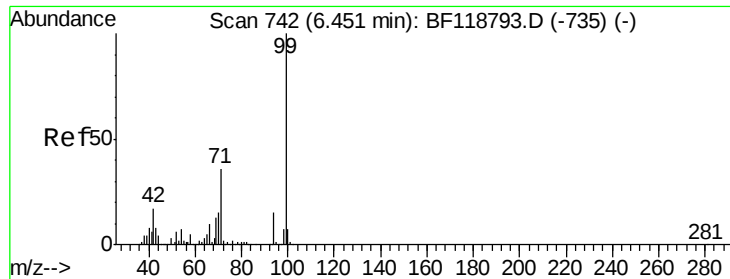
Ion Ratio Lower Upper

93 100

66 81.9 30.8 46.2#

65 51.3 15.4 23.0#





#7

Phenol-d6

Concen: 117.641 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tot Ion:	99	Resp:	2164447
Ion	Ratio	Lower	Upper
99	100		
42	17.5	13.4	20.0
71	36.8	29.0	43.6

Instrument :

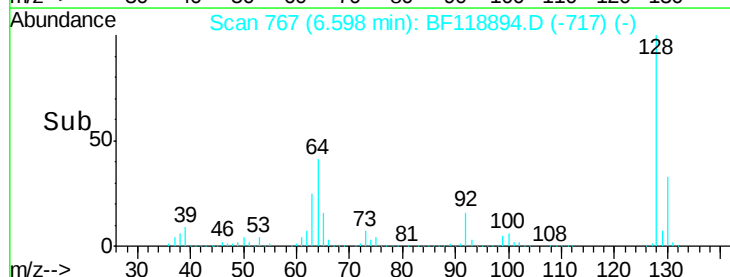
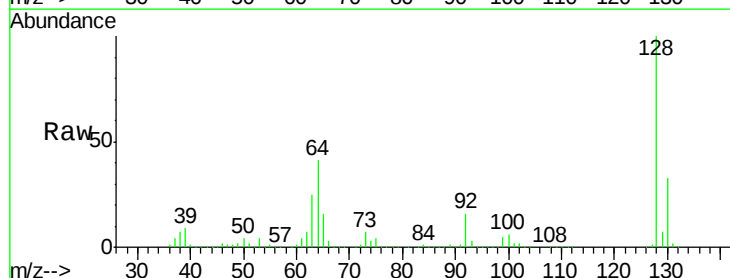
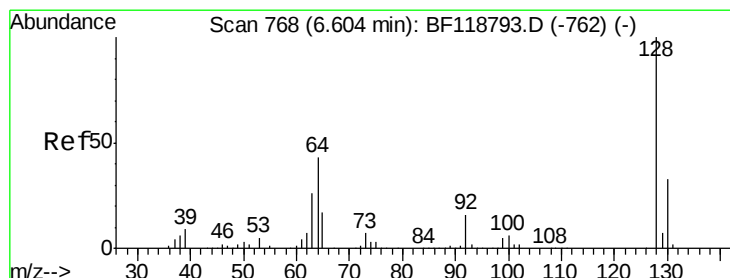
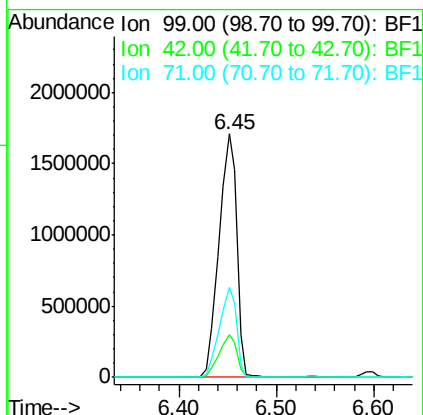
BNA_F

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#8

2-Chlorophenol

Concen: 49.034 ng

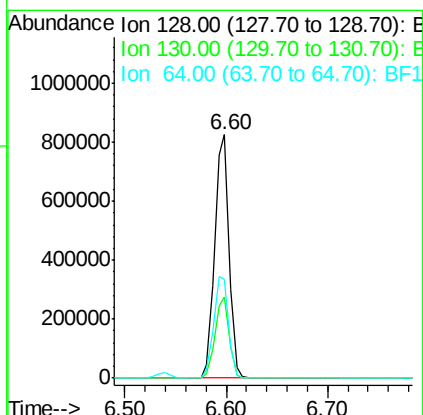
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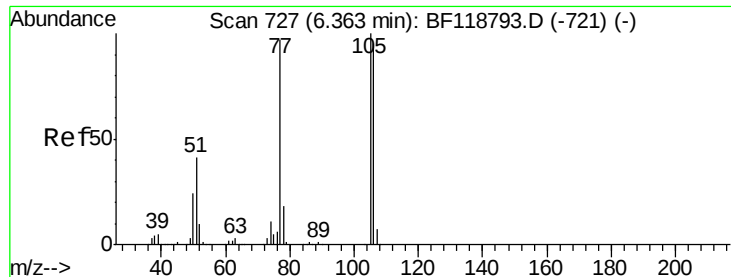
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	128	Resp:	809486
Ion	Ratio	Lower	Upper
128	100		
130	33.4	13.1	53.1
64	40.8	23.0	63.0





#9

Benzaldehyde

Concen: 31.368 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

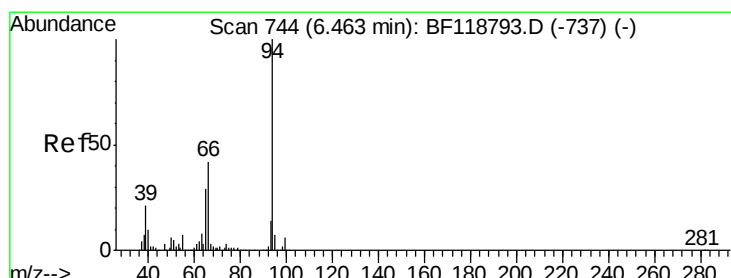
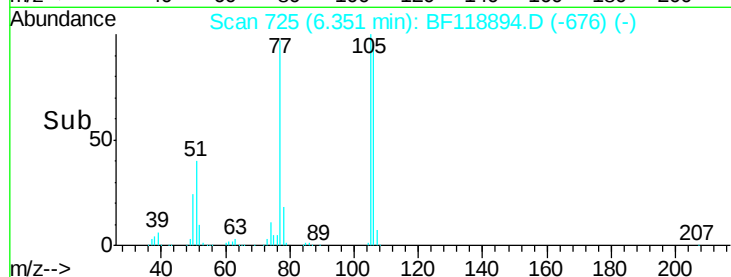
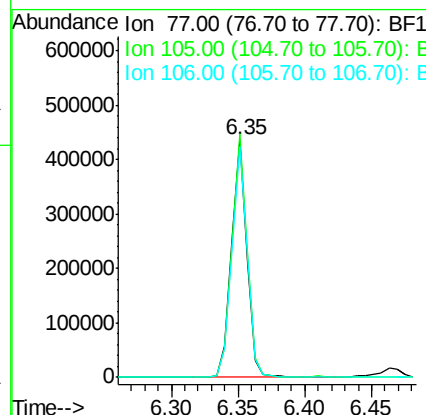
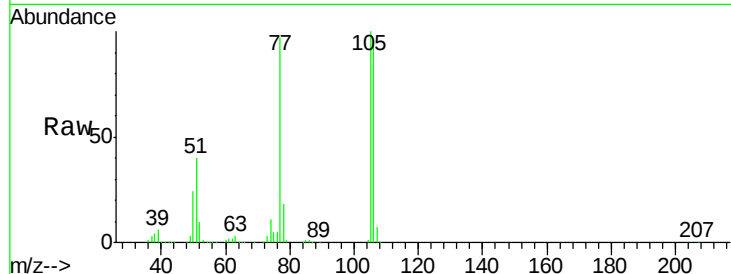
ClientSampleId :

SP-3MSD

Tot Ion:	77	Resp:	358382
Ion Ratio	Lower	Upper	
77	100		
105	102.6	82.8	122.8
106	97.2	78.1	118.1

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#10

Phenol

Concen: 45.219 ng

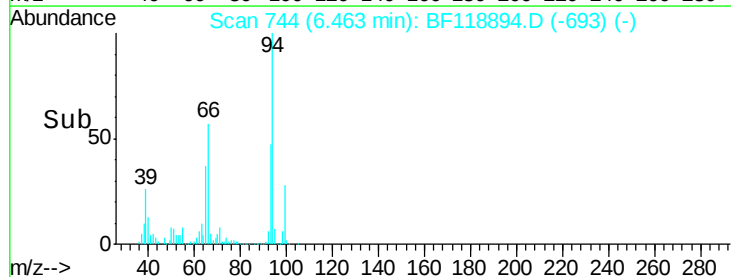
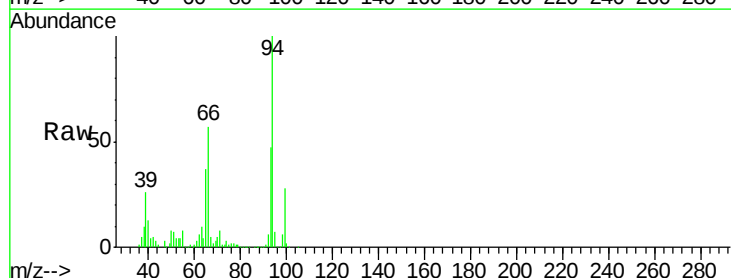
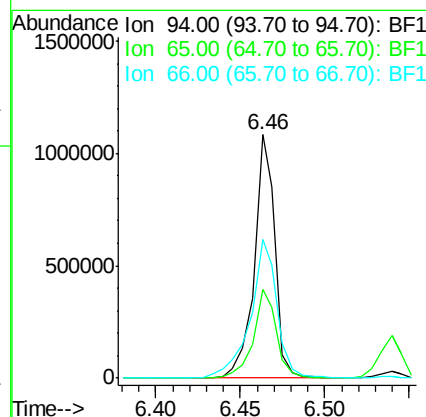
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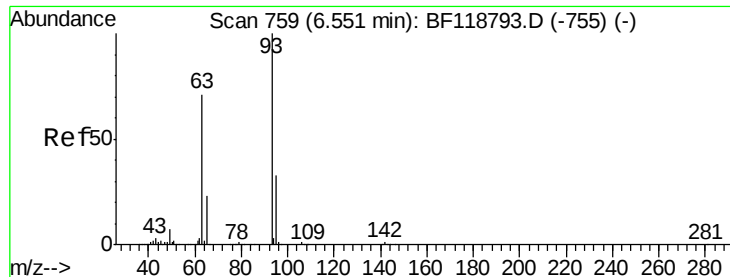
Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	94	Resp:	925088
Ion Ratio	Lower	Upper	
94	100		
65	36.6	9.1	49.1
66	57.0	21.7	61.7





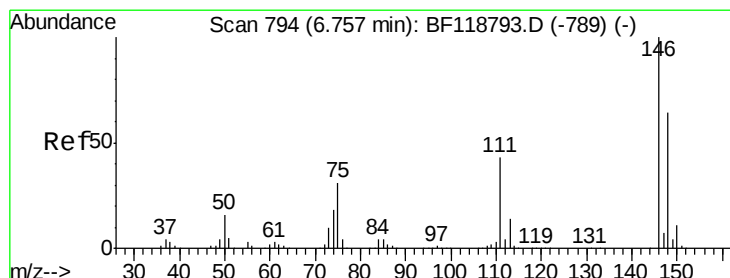
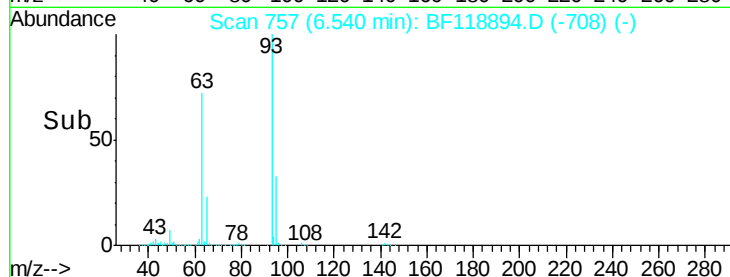
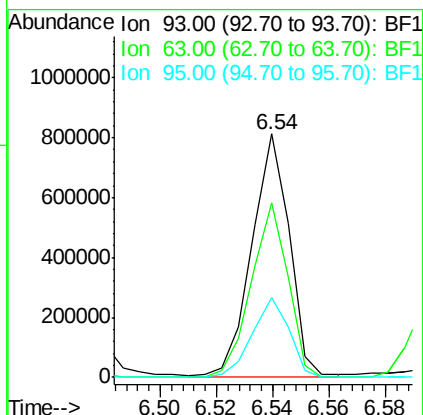
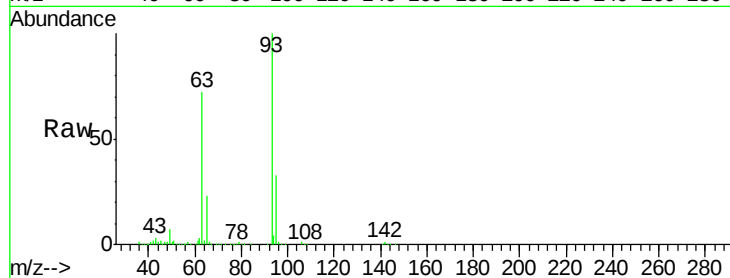
#11
bis(2-Chloroethyl)ether
Concen: 48.159 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion:	93	Resp:	753757
Ion Ratio	Lower	Upper	
93	100		
63	71.8	50.7	90.7
95	32.8	12.6	52.6

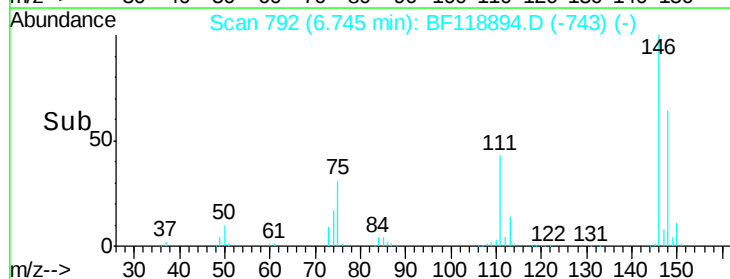
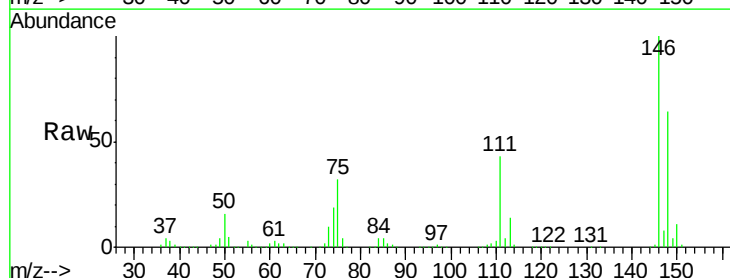
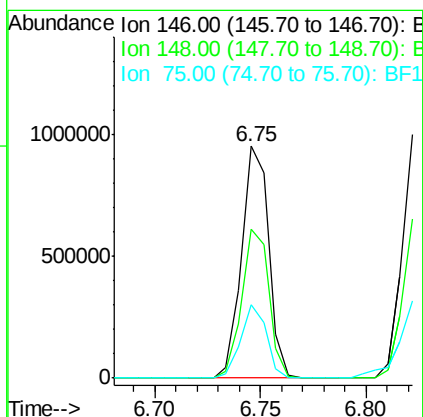
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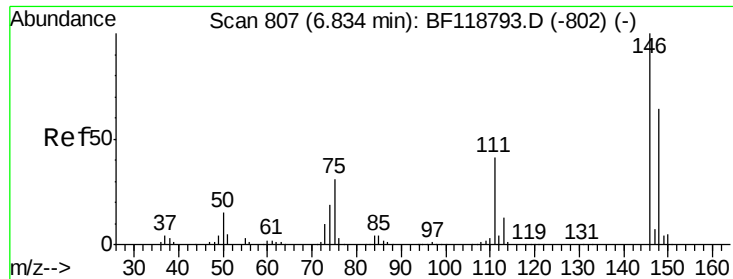
mohammad
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#12
1,3-Dichlorobenzene
Concen: 43.035 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:	146	Resp:	845661
Ion Ratio	Lower	Upper	
146	100		
148	64.4	51.1	76.7
75	31.6	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 43.972 ng

RT: 6.82 min Scan# 805

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

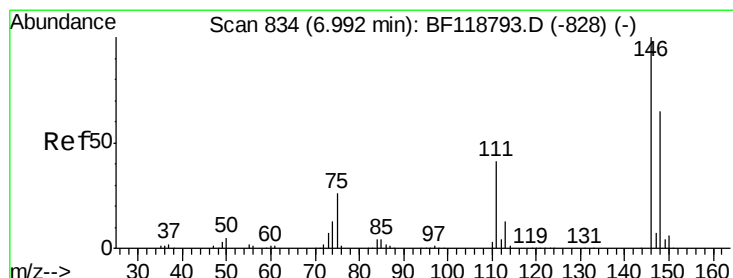
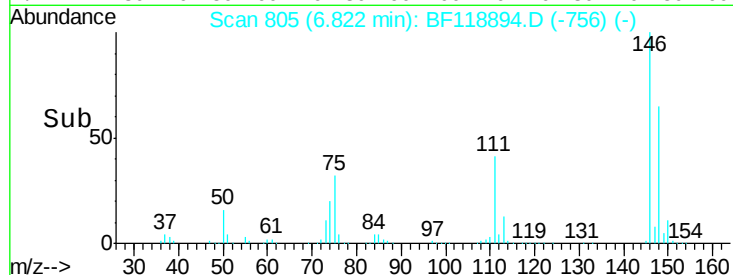
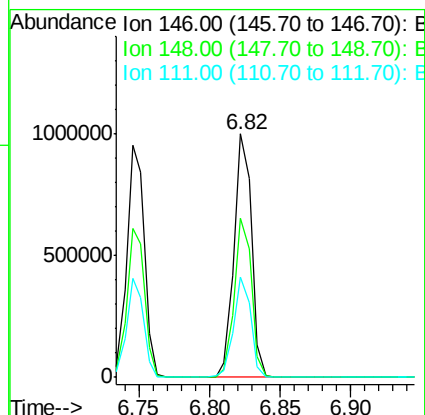
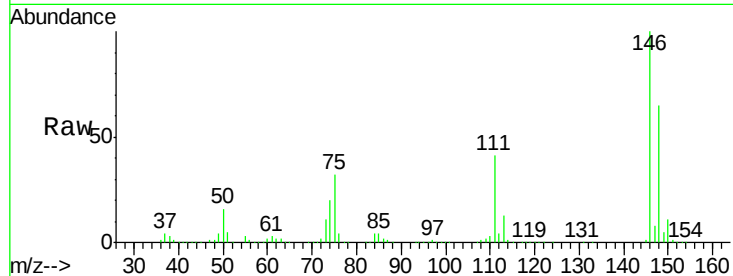
ClientSampled :

SP-3MSD

Tot Ion:	146	Resp:	861897
Ion Ratio	Lower	Upper	
146	100		
148	65.3	51.6	77.4
111	41.2	32.9	49.3

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#14

1,2-Dichlorobenzene

Concen: 42.731 ng

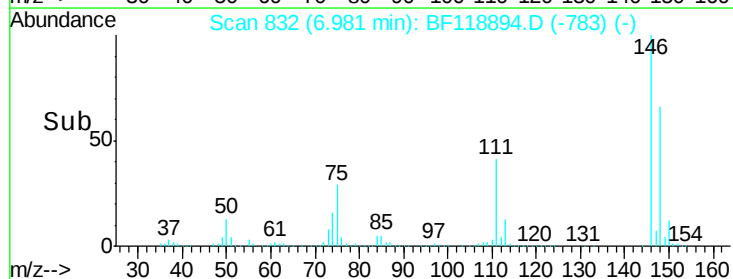
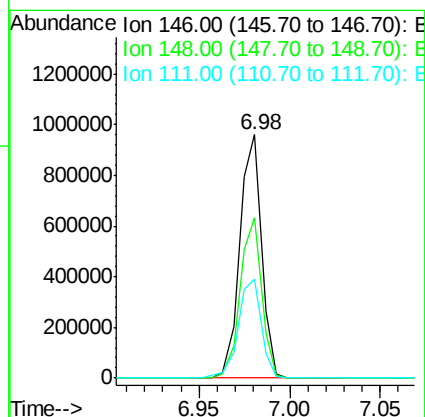
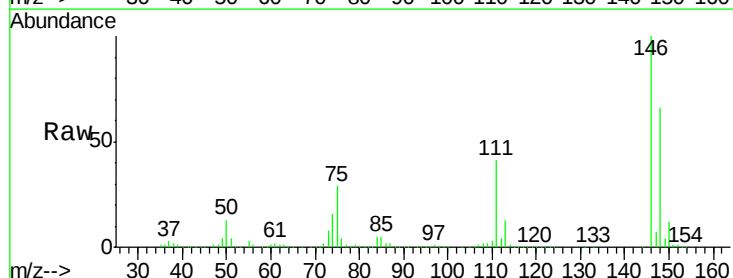
RT: 6.98 min Scan# 832

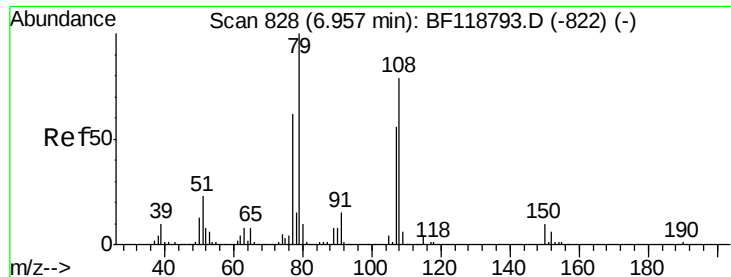
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	146	Resp:	800099
Ion Ratio	Lower	Upper	
146	100		
148	66.0	51.6	77.4
111	40.7	32.7	49.1





#15

Benzyl Alcohol

Concen: 46.633 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

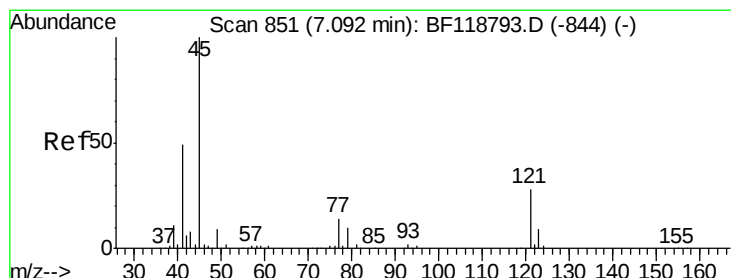
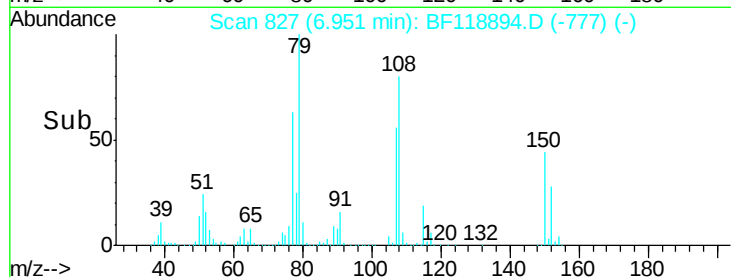
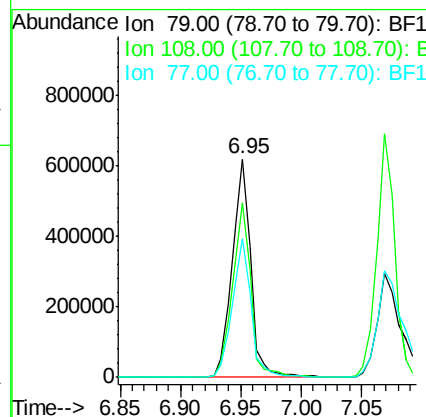
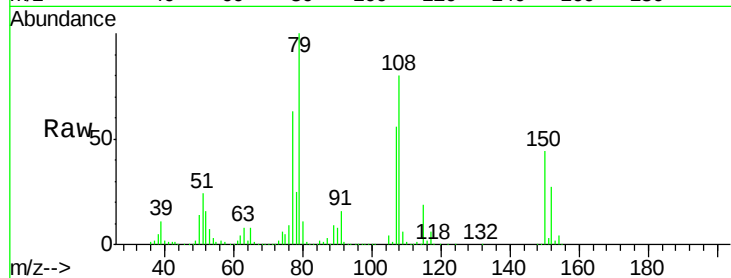
ClientSampleId :

SP-3MSD

Tot Ion:	79	Resp:	663185
Ion Ratio	Lower	Upper	
79	100		
108	79.9	62.9	94.3
77	63.4	50.0	75.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 44.961 ng

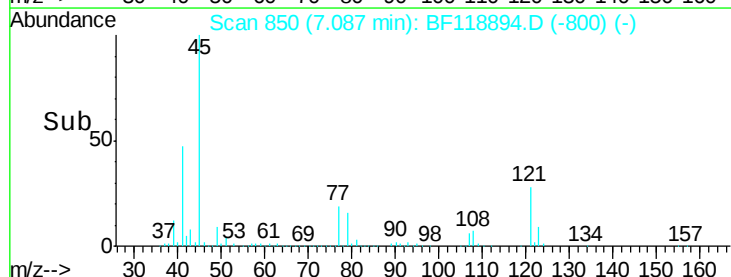
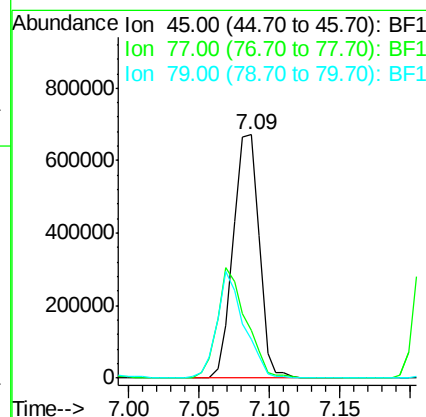
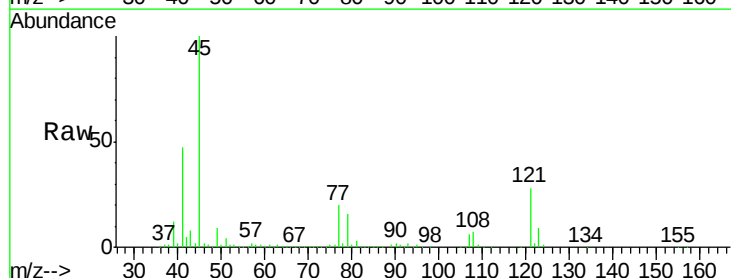
RT: 7.09 min Scan# 850

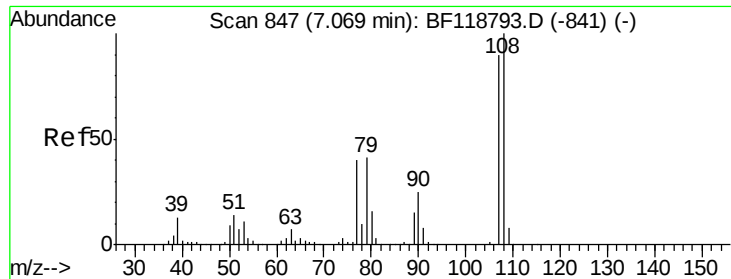
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	45	Resp:	861765
Ion Ratio	Lower	Upper	
45	100		
77	19.6	0.0	37.1
79	16.1	0.0	33.1





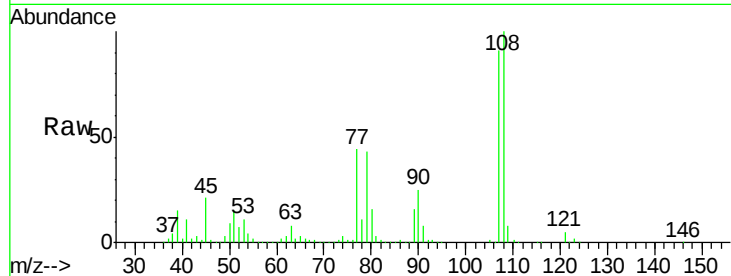
#17
2-Methylphenol
Concen: 47.280 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

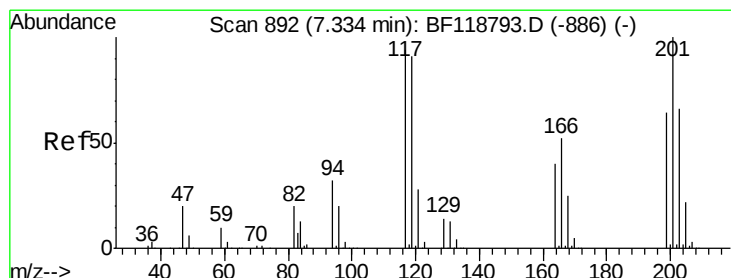
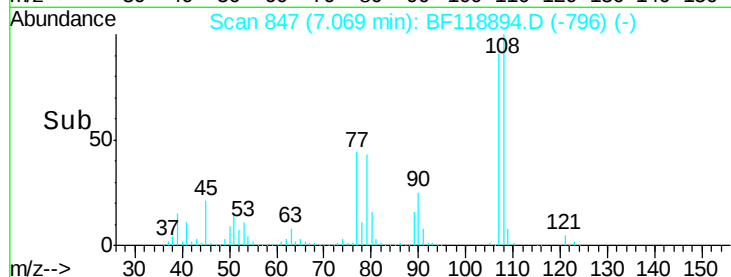
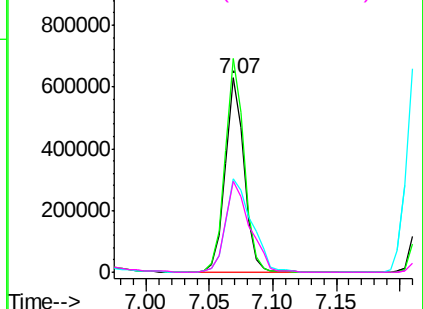
Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	109.8	89.3	133.9	
77	48.2	36.2	54.2	
79	46.8	36.3	54.5	

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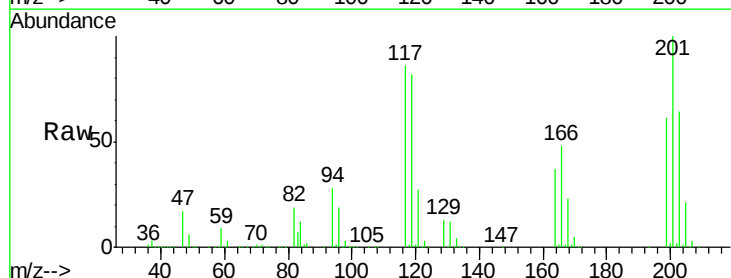


Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

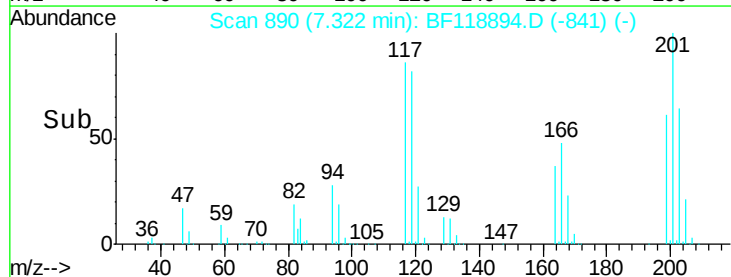
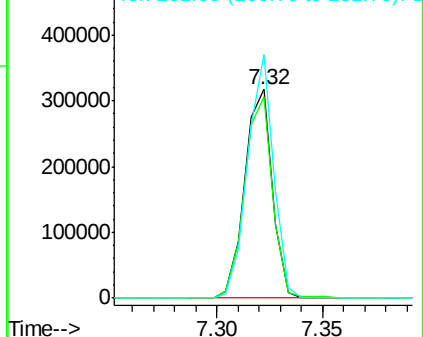


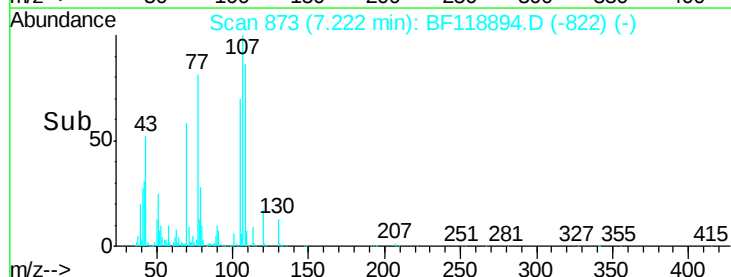
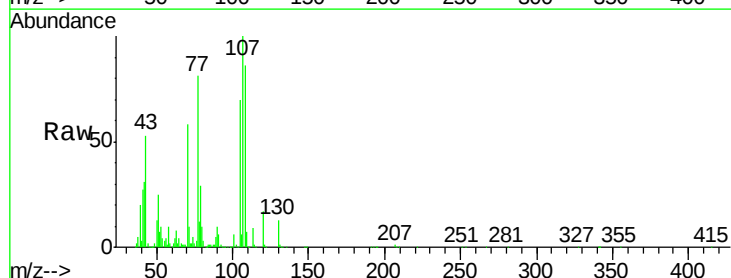
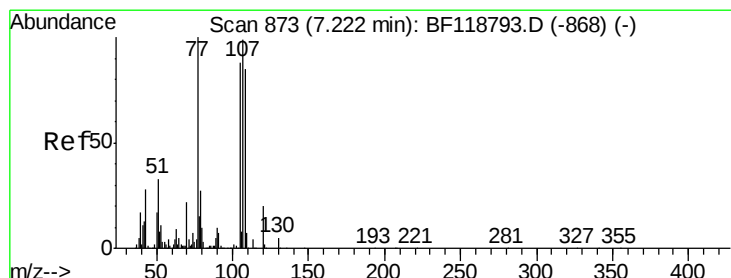
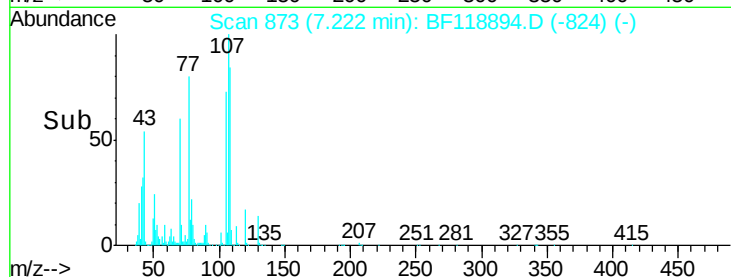
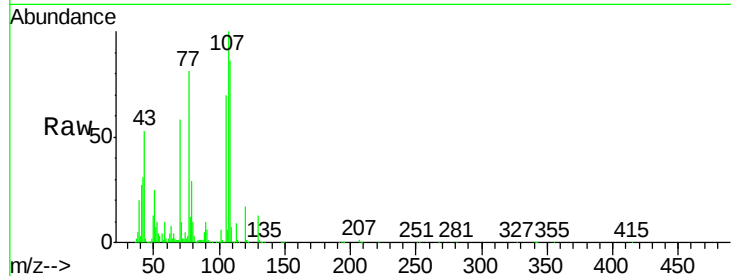
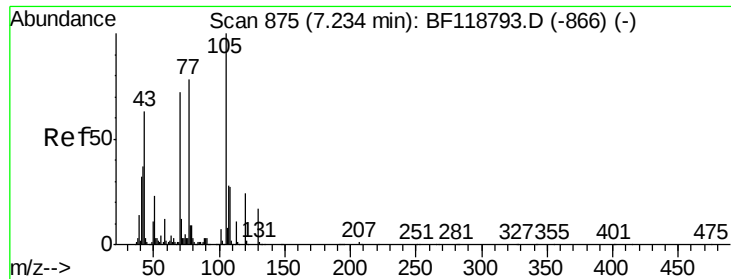
#18
Hexachloroethane
Concen: 40.807 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	96.3	77.4	116.0	
201	116.7	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





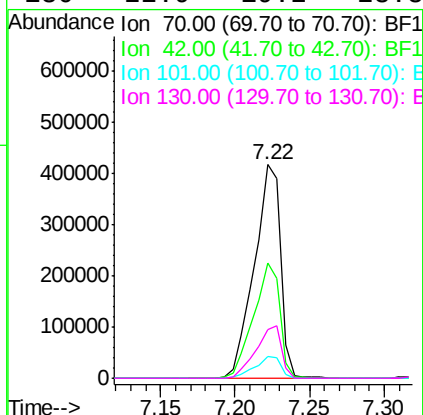
#19
n-Nitroso-di-n-propylamine
Concen: 44.742 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	54.0	41.5	62.3
101	10.1	8.3	12.5
130	22.9	19.2	28.8

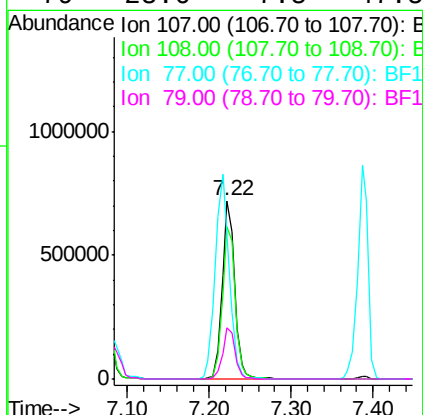
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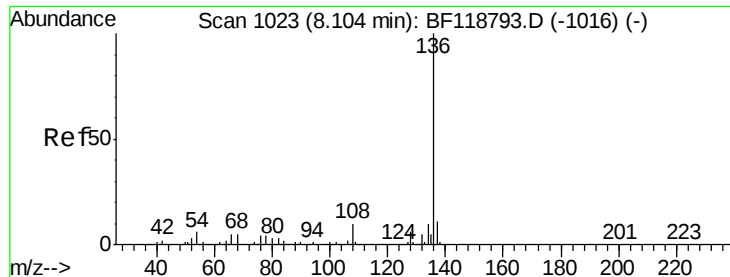
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#20
3+4-Methylphenols
Concen: 44.607 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	85.9	65.9	105.9
77	81.4	80.9	120.9
79	28.6	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

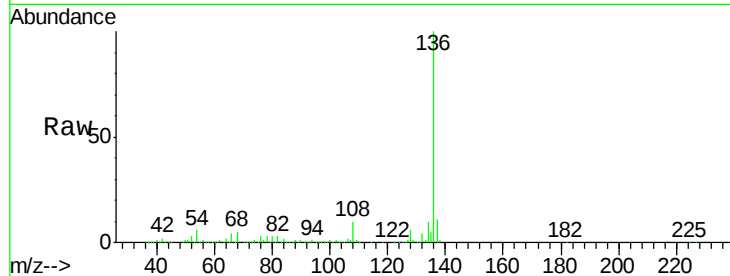
ClientSampleId :

SP-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		847605		
137	10.7		8.7	13.1	
54	6.0		5.0	7.6	
68	5.3		4.2	6.4	

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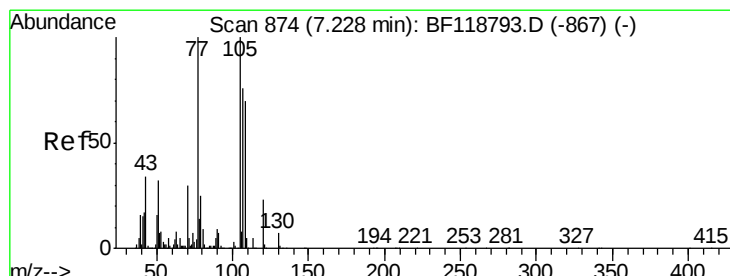
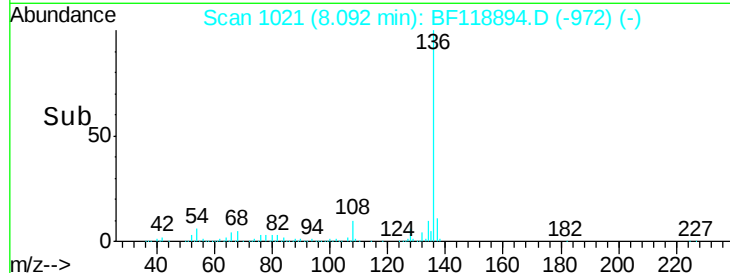
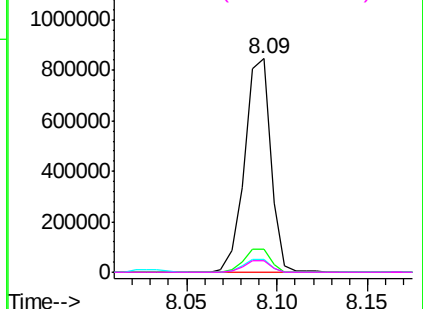


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 54.181 ng

RT: 7.22 min Scan# 872

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

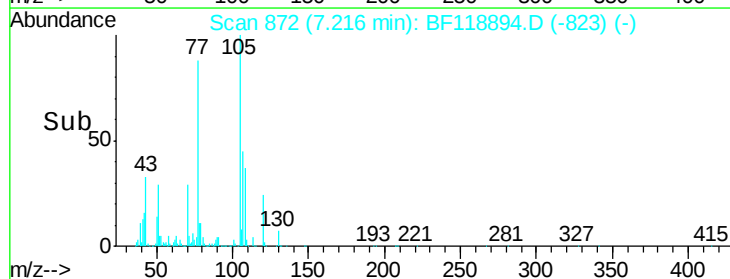
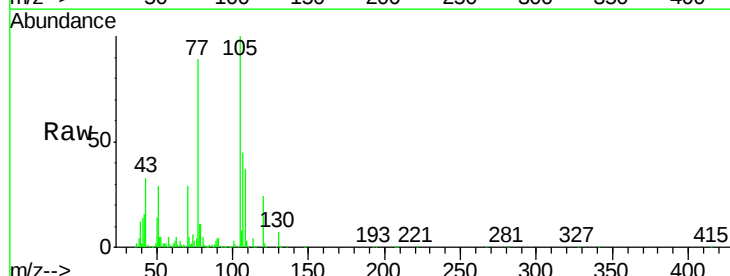
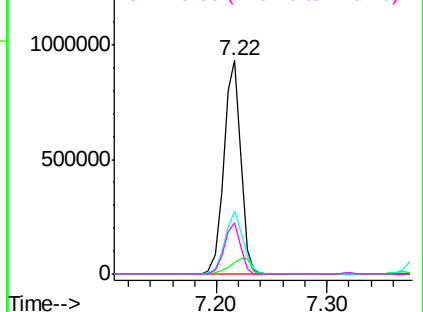
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		997762		
71	5.1		4.2	6.4	
51	29.1		25.5	38.3	
120	24.0		18.6	28.0	

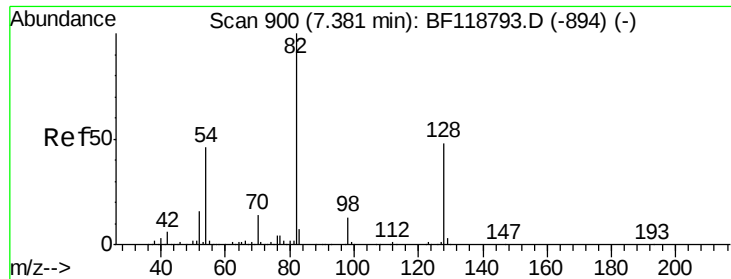
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





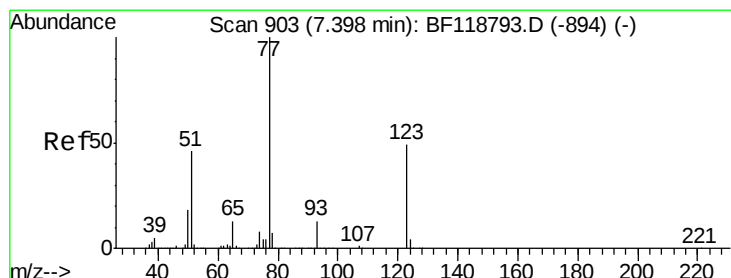
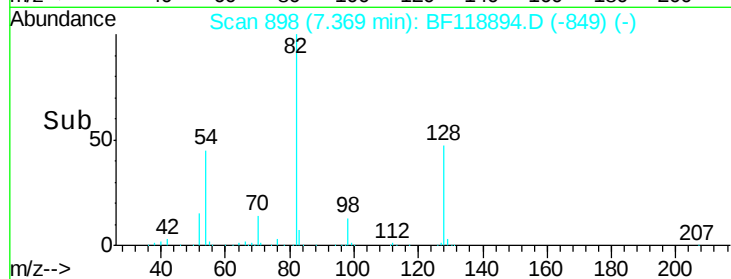
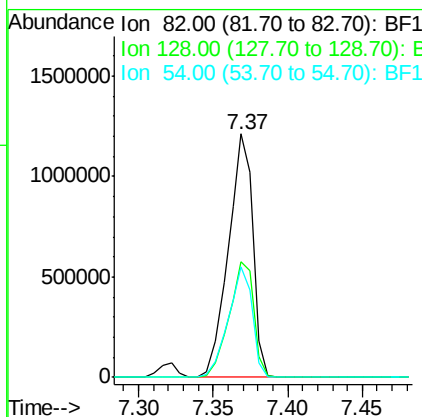
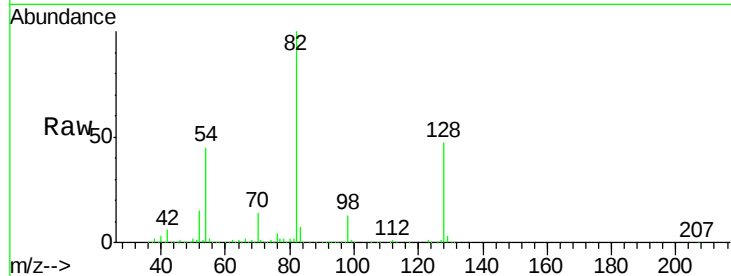
#23
 Nitrobenzene-d5
 Concen: 98.364 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Tot Ion	82	Resp	1398774
Ion Ratio	Lower	Upper	
82	100		
128	47.2	38.5	57.7
54	45.4	36.7	55.1

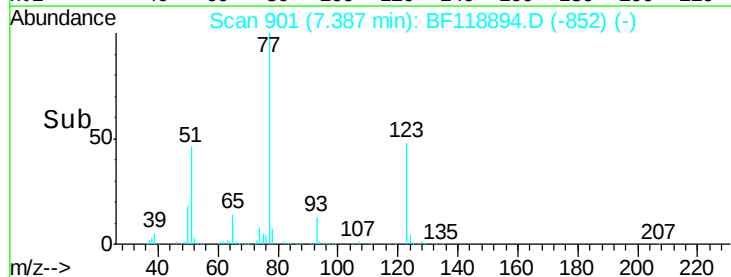
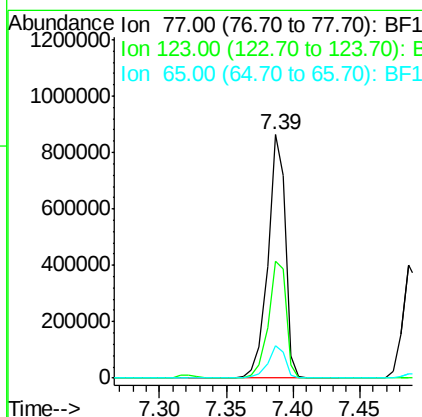
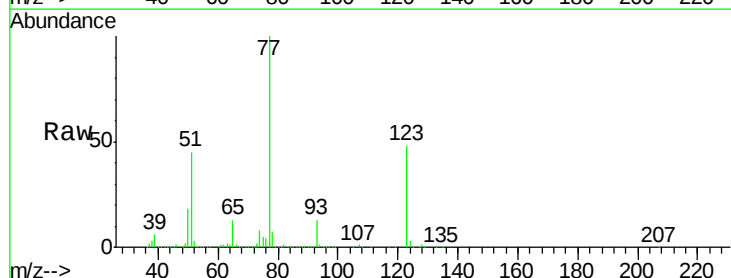
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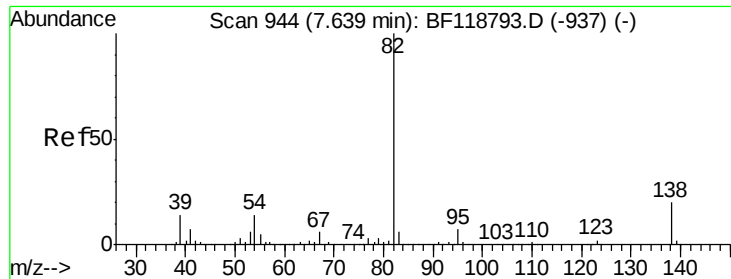
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#24
 Nitrobenzene
 Concen: 54.809 ng
 RT: 7.39 min Scan# 901
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion	77	Resp	778620
Ion Ratio	Lower	Upper	
77	100		
123	47.9	39.0	58.4
65	13.5	10.6	15.8





#25

Isophorone

Concen: 43.565 ng

RT: 7.63 min Scan# 943

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion: 82 Resp: 1113396

Ion Ratio Lower Upper

82 100

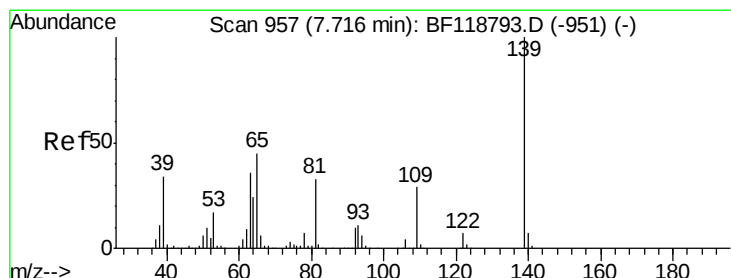
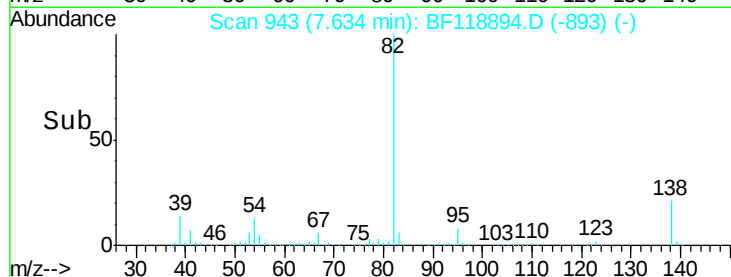
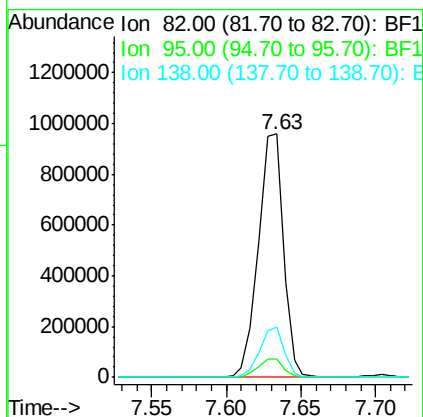
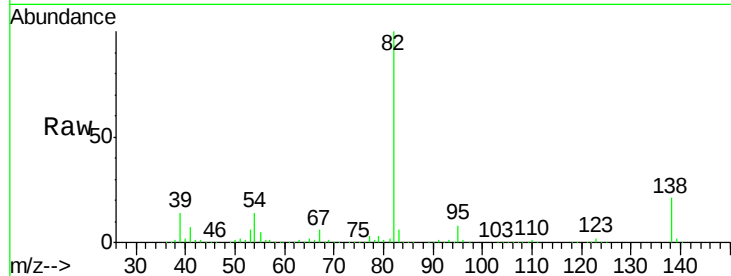
95 7.7 6.0 9.0

138 20.8 15.7 23.5

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#26

2-Nitrophenol

Concen: 45.580 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

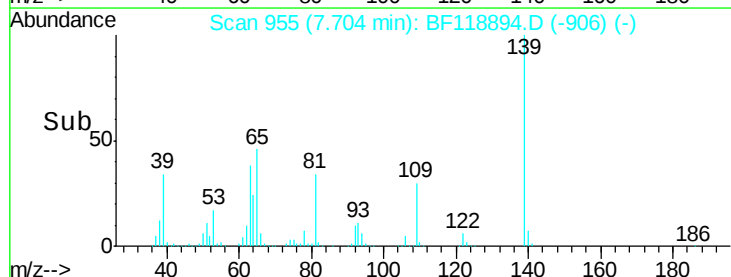
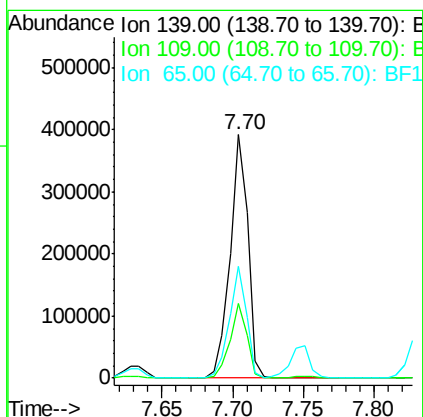
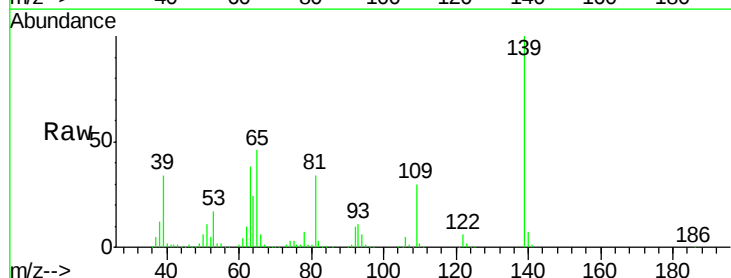
Tgt Ion: 139 Resp: 345035

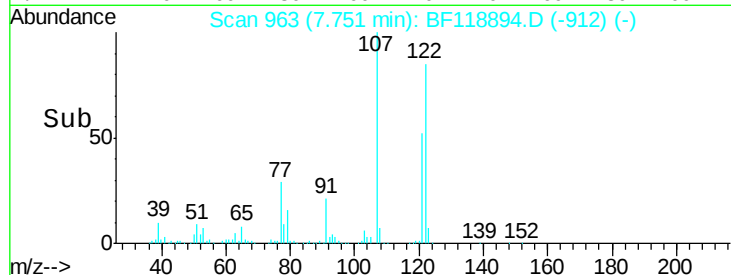
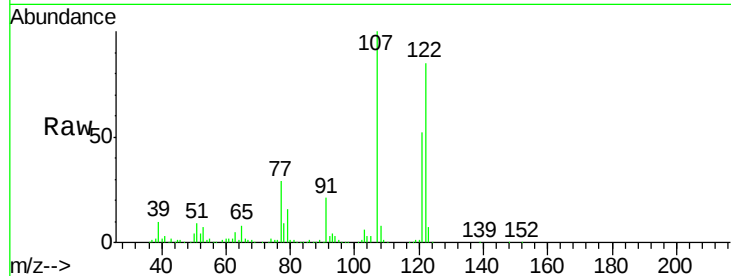
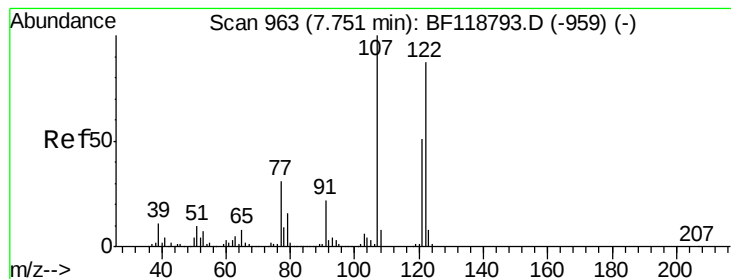
Ion Ratio Lower Upper

139 100

109 30.4 23.4 35.0

65 45.9 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 51.558 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tot Ion:	122	Resp:	530166
Ion Ratio	Lower	Upper	
122	100		
107	118.1	92.2	138.2
121	61.3	46.8	70.2

Instrument :

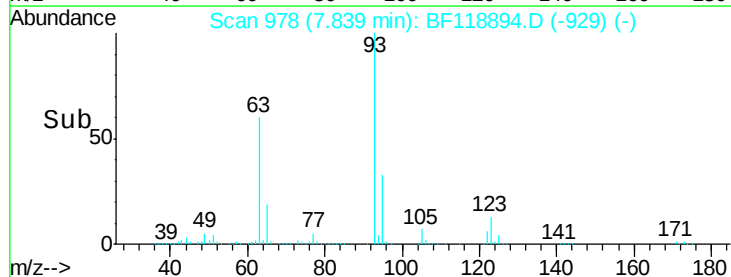
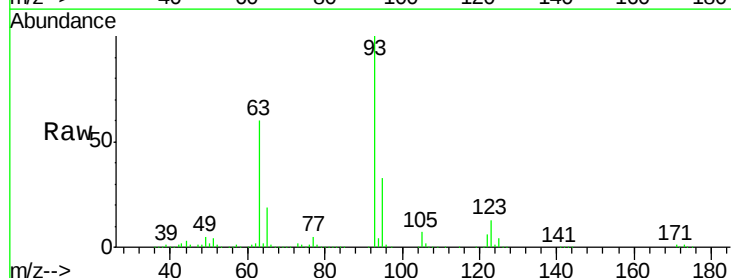
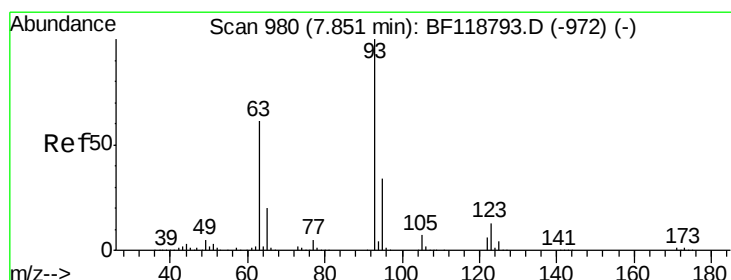
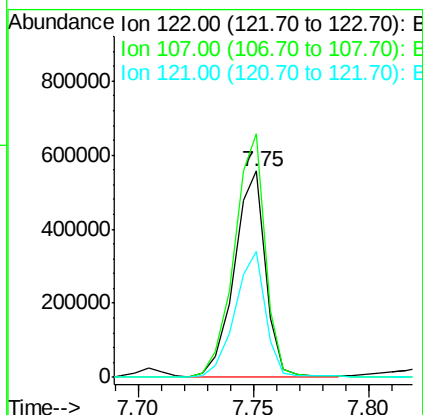
BNA_F

ClientSampleId :

SP-3MSD

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#28

bis(2-Chloroethoxy)methane

Concen: 41.705 ng

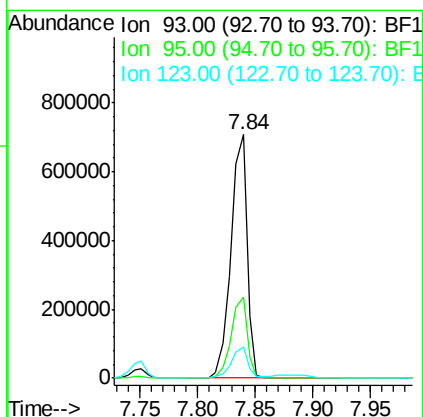
RT: 7.84 min Scan# 978

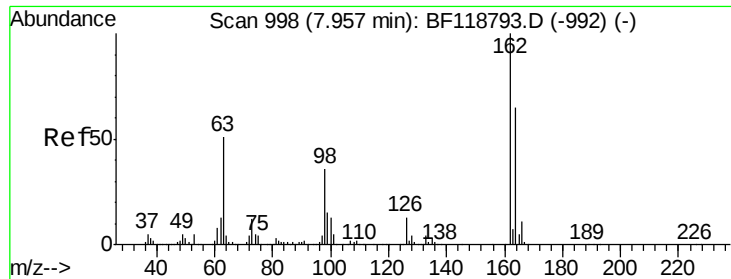
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	93	Resp:	691152
Ion Ratio	Lower	Upper	
93	100		
95	33.4	27.0	40.4
123	13.0	10.6	15.8





#29

2,4-Dichlorophenol

Concen: 44.557 ng

RT: 7.95 min Scan# 997

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

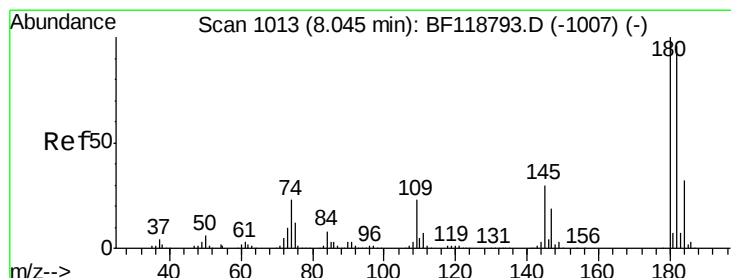
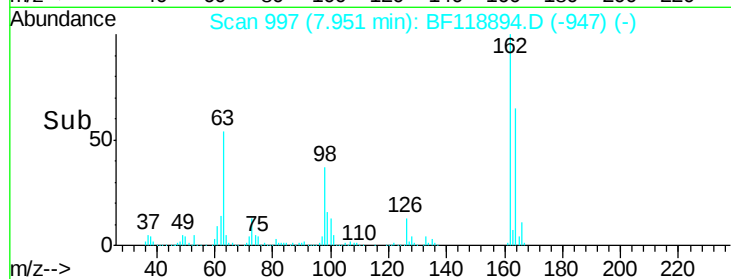
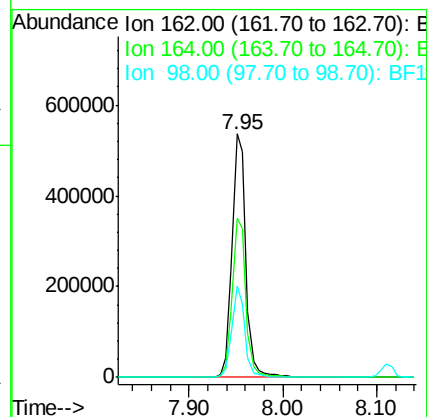
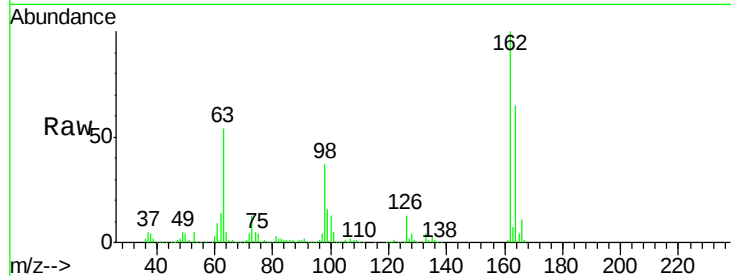
ClientSampleId :

SP-3MSD

Tot Ion:	162	Resp:	548707
Ion Ratio	Lower	Upper	
162	100		
164	65.1	44.8	84.8
98	37.2	16.4	56.4

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#30

1,2,4-Trichlorobenzene

Concen: 41.767 ng

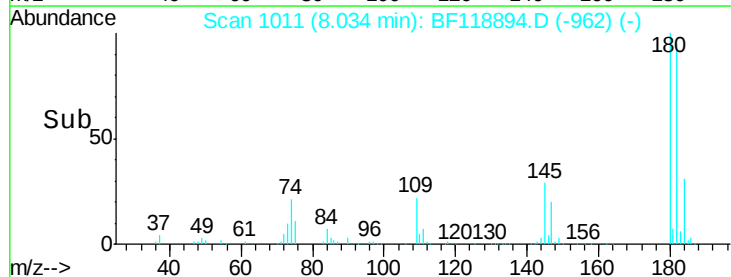
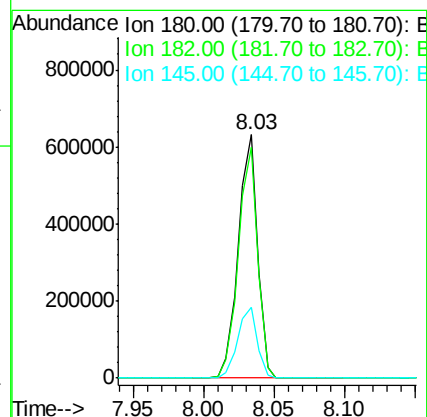
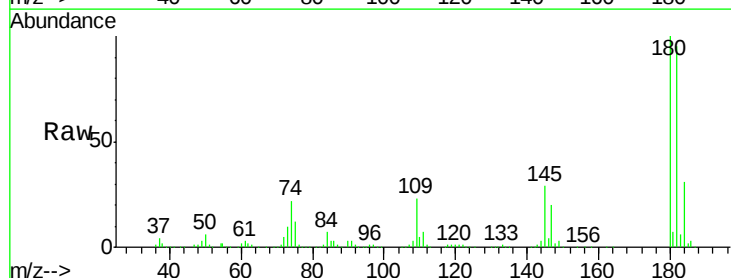
RT: 8.03 min Scan# 1011

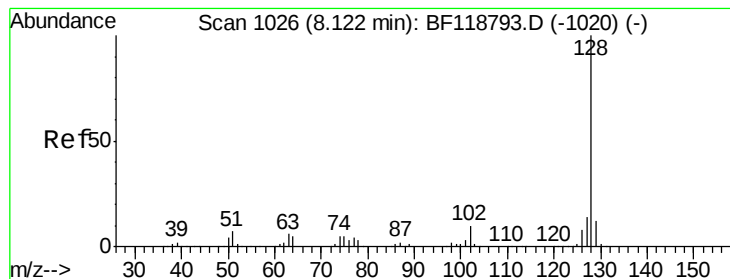
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	180	Resp:	601202
Ion Ratio	Lower	Upper	
180	100		
182	94.7	76.6	115.0
145	29.2	24.0	36.0





#31

Naphthalene

Concen: 44.890 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:128 Resp: 1740212

Ion Ratio Lower Upper

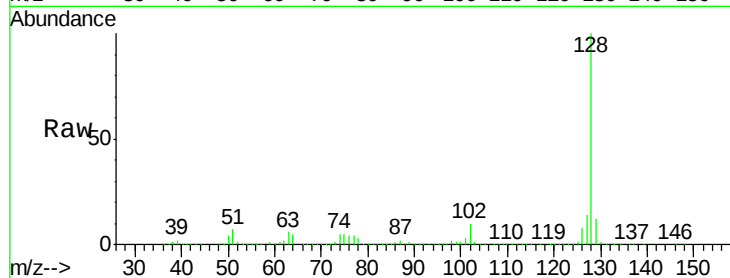
128 100

129 11.8 9.4 14.2

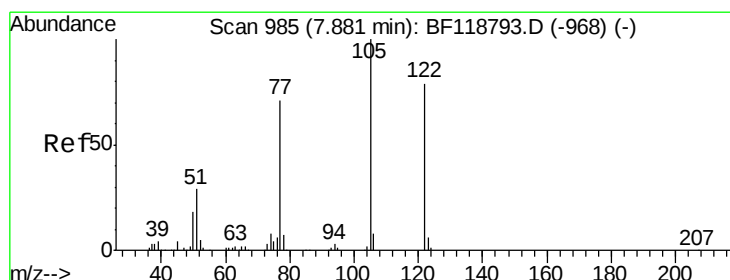
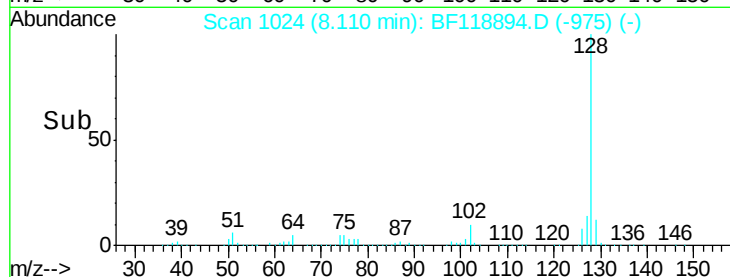
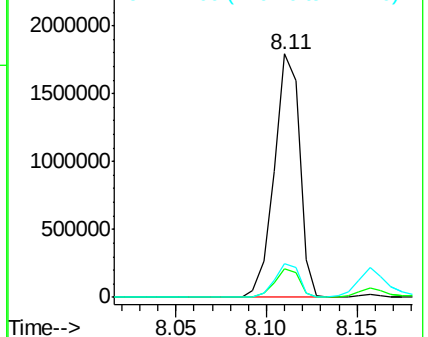
127 14.0 11.3 16.9

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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



#32

Benzoic acid

Concen: 43.613 ng

RT: 7.89 min Scan# 987

Delta R.T. 0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

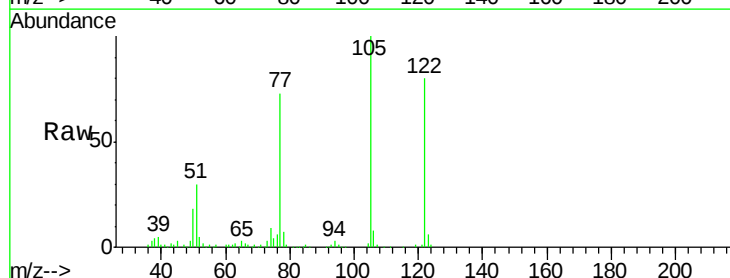
Tgt Ion:122 Resp: 371310

Ion Ratio Lower Upper

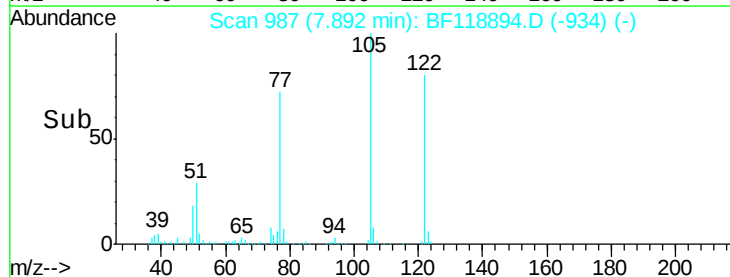
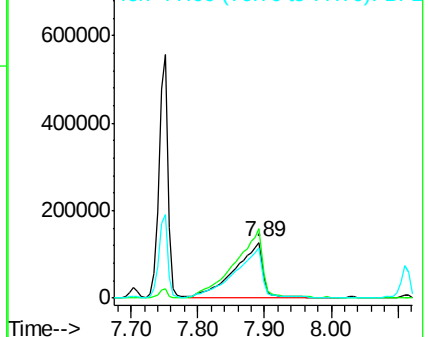
122 100

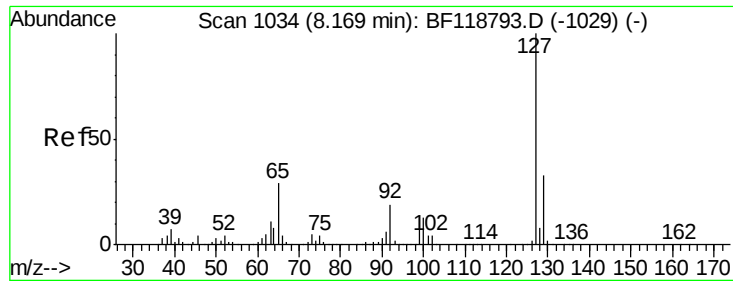
105 124.5 104.4 144.4

77 90.7 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





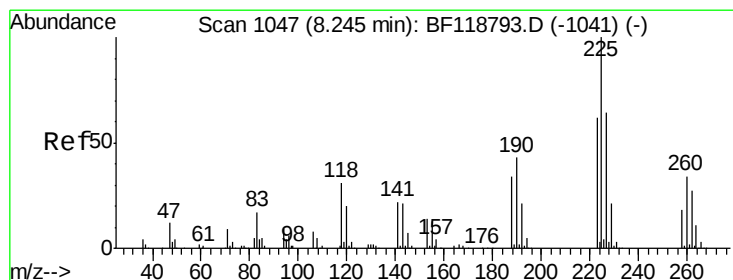
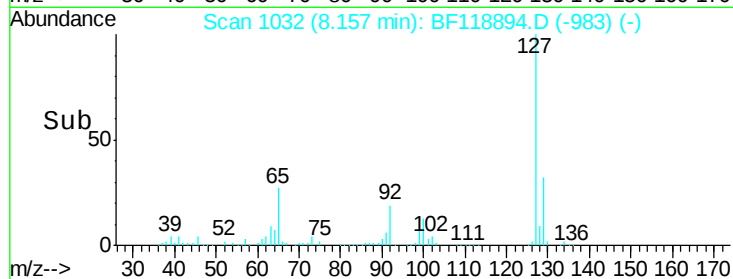
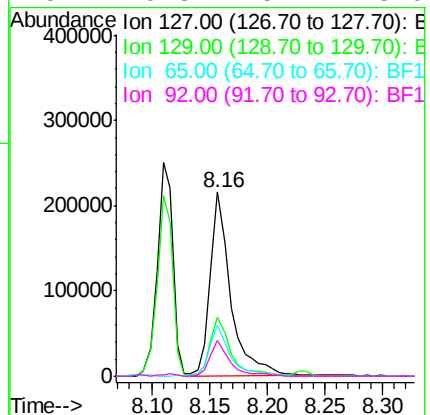
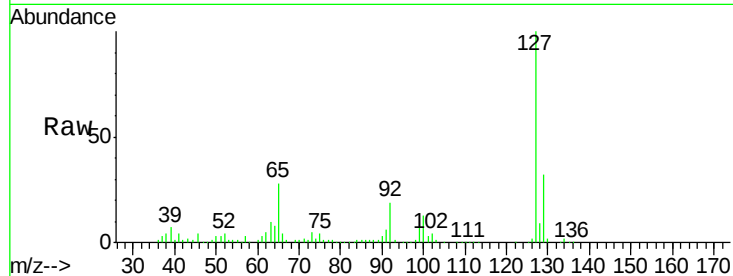
#33
4-Chloroaniline
Concen: 15.478 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100	268443		
129	31.8	26.7	40.1	
65	28.0	22.9	34.3	
92	19.3	15.4	23.0	

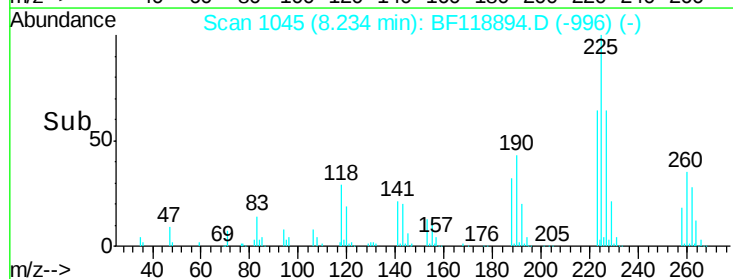
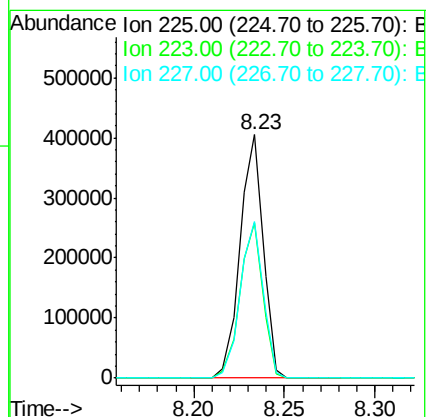
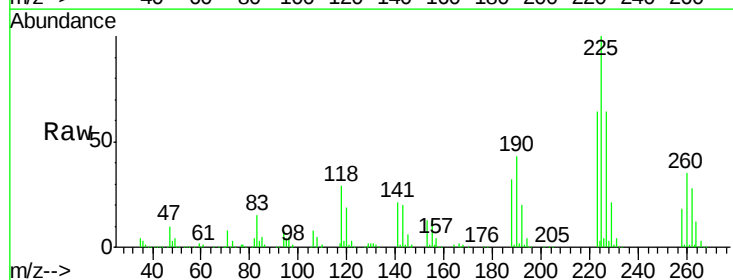
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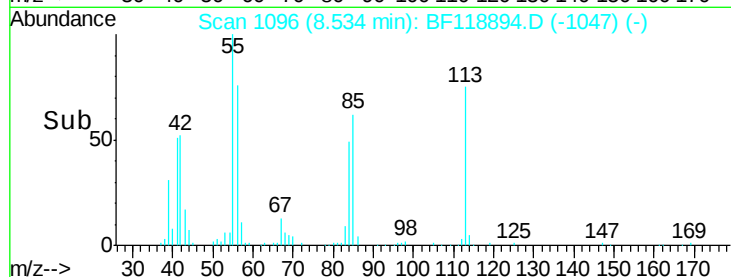
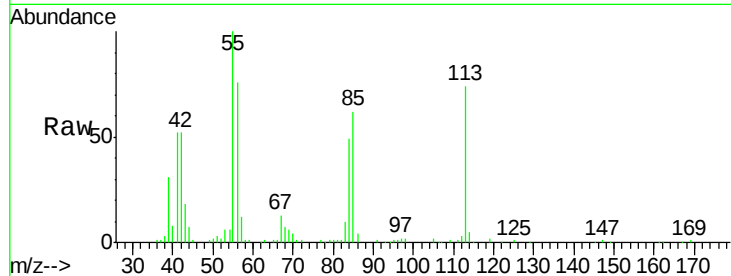
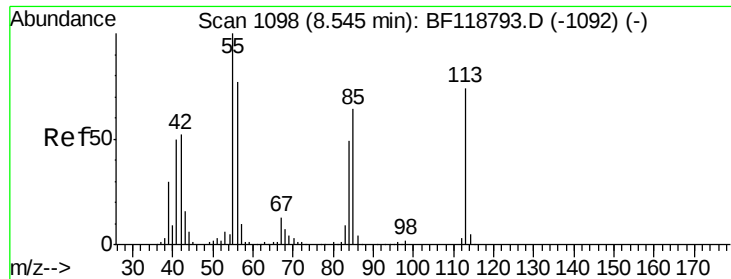
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#34
Hexachlorobutadiene
Concen: 40.741 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	359280		
223	63.6	49.8	74.8	
227	64.2	51.0	76.4	





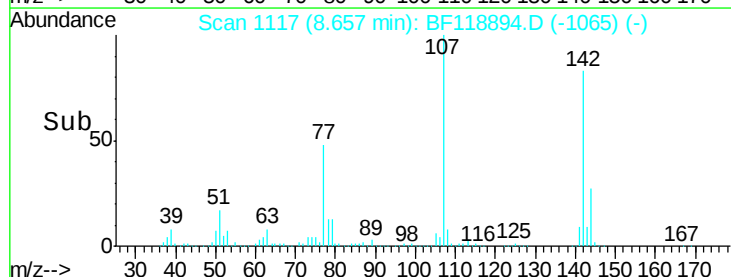
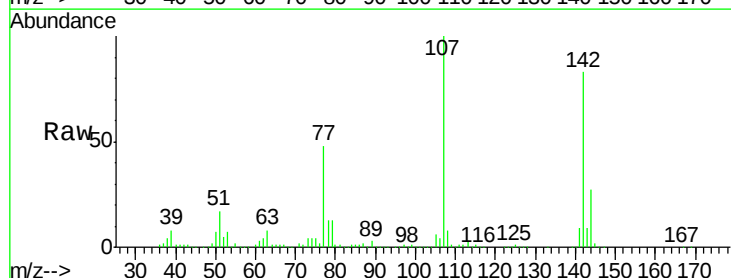
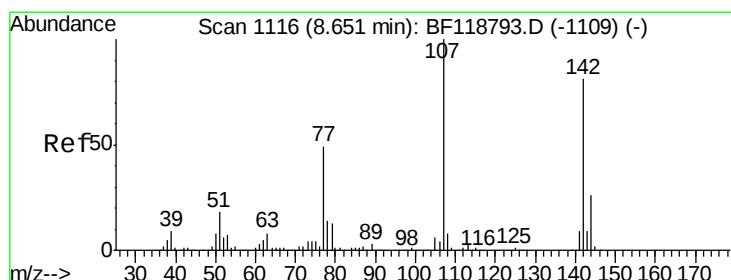
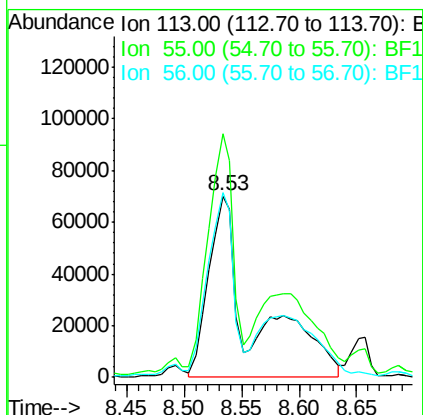
#35
Caprolactam
Concen: 46.933 ng/ml
RT: 8.53 min Scan# 1096
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tot Ion: 113 Resp: 187363
Ion Ratio Lower Upper
113 100
55 134.3 115.5 155.5
56 101.7 83.7 123.7

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

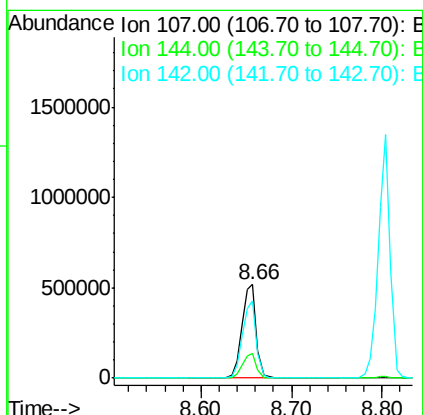
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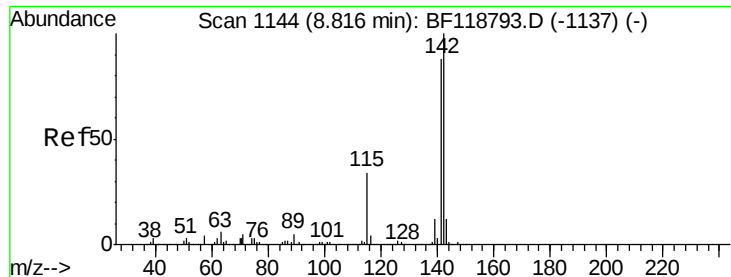
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#36
4-Chloro-3-methylphenol
Concen: 46.163 ng/ml
RT: 8.66 min Scan# 1117
Delta R.T. 0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion: 107 Resp: 572100
Ion Ratio Lower Upper
107 100
144 27.1 21.0 31.6
142 83.3 64.8 97.2





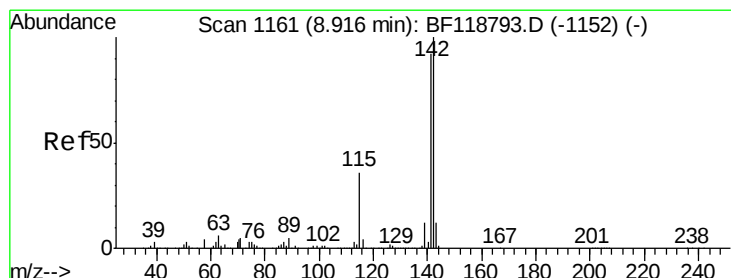
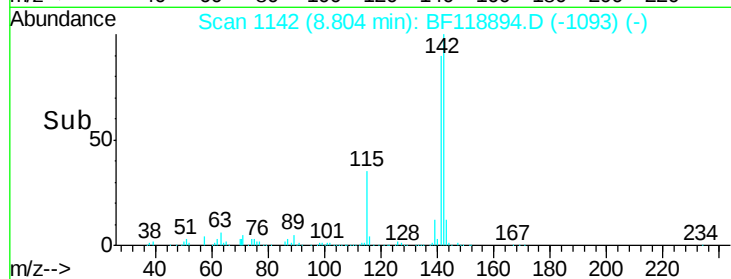
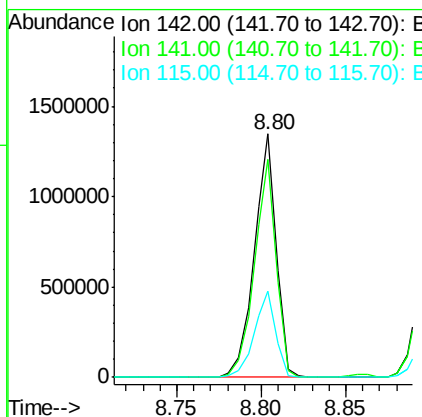
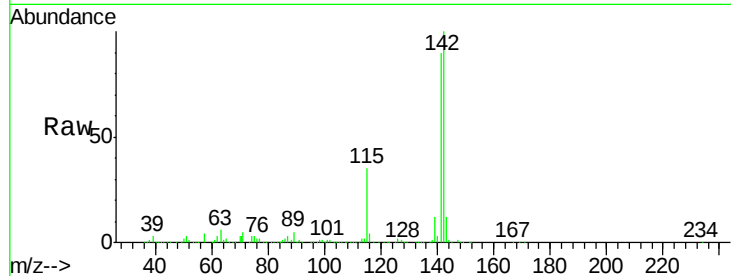
#37
2-Methylnaphthalene
Concen: 45.408 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.1	105.1
115	35.3	27.3	40.9

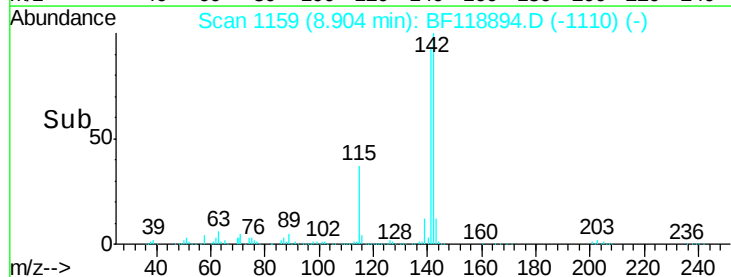
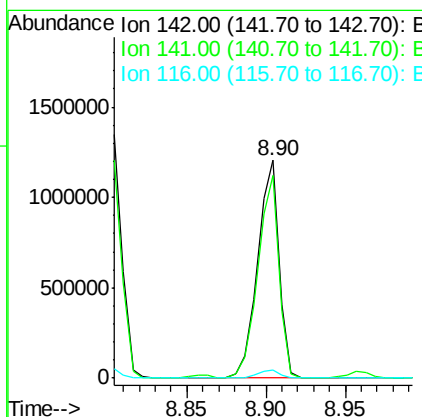
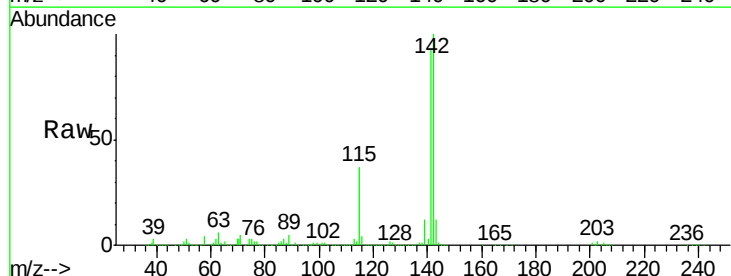
Manual Integrations
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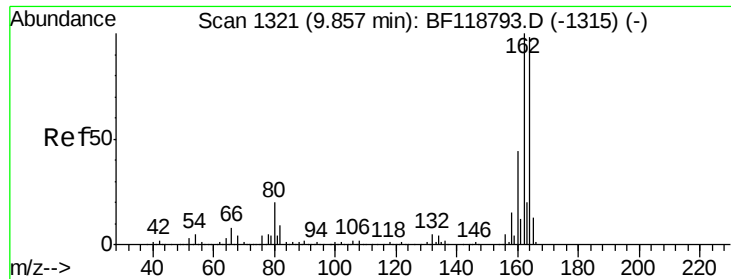
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#38
1-Methylnaphthalene
Concen: 44.880 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.1	73.8	110.6
116	3.9	3.0	4.4





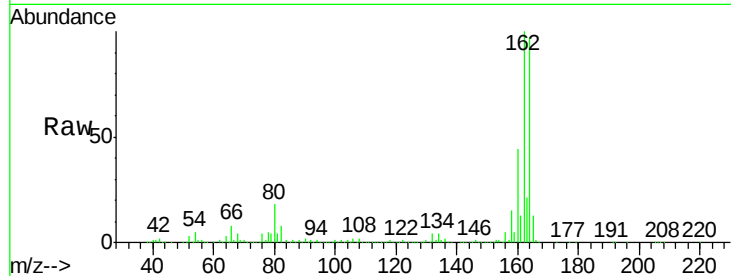
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

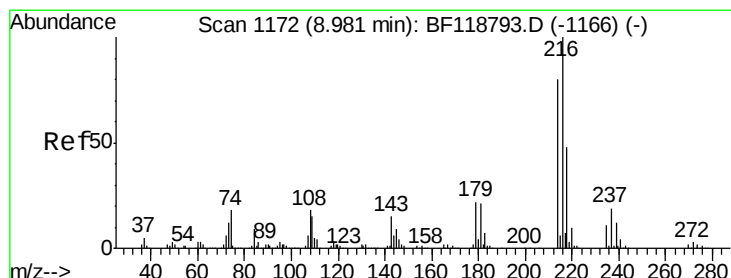
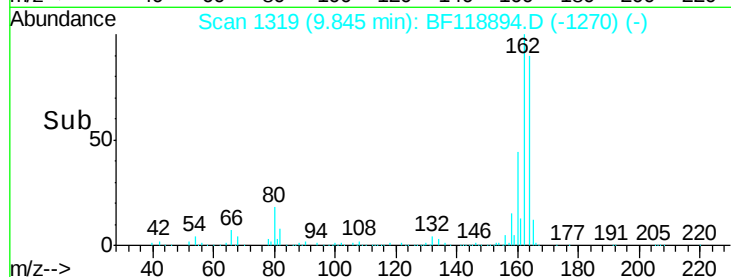
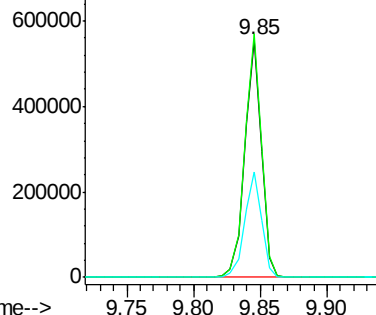
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.6	81.4	122.2	
160	44.6	35.6	53.4	

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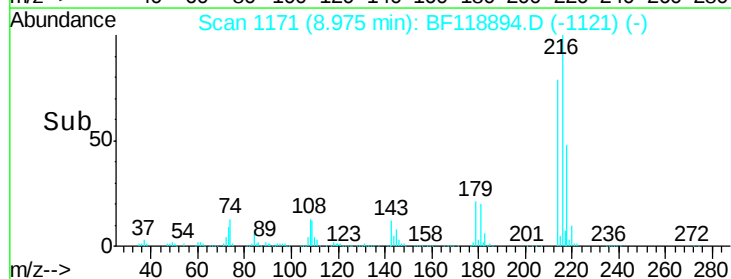
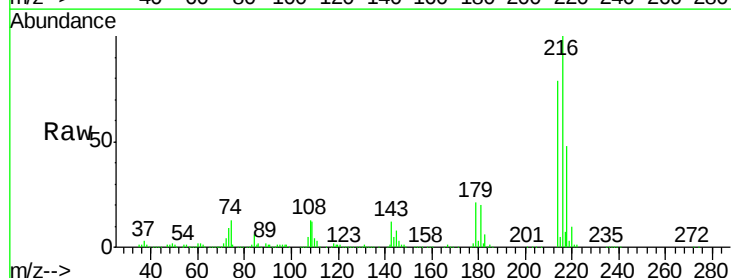
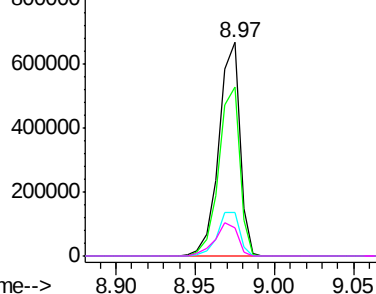
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

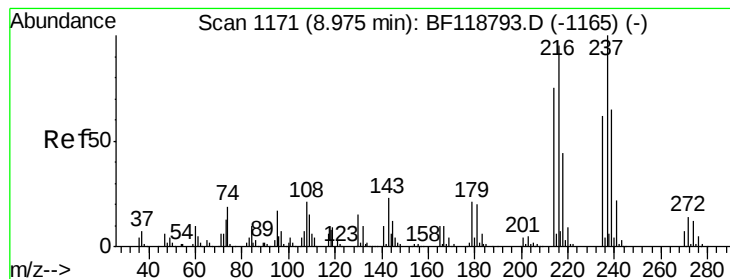


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.243 ng
RT: 8.97 min Scan# 1171
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.2	63.0	94.4	
179	21.5	17.0	25.6	
108	16.9	13.5	20.3	

Abundance Ion 216.00 (215.70 to 216.70): E
Ion 214.00 (213.70 to 214.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 48.895 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

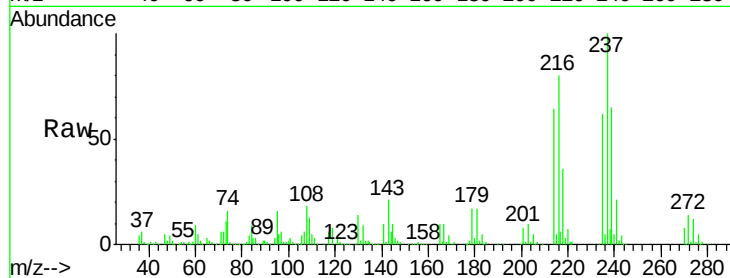
ClientSampleId :

SP-3MSD

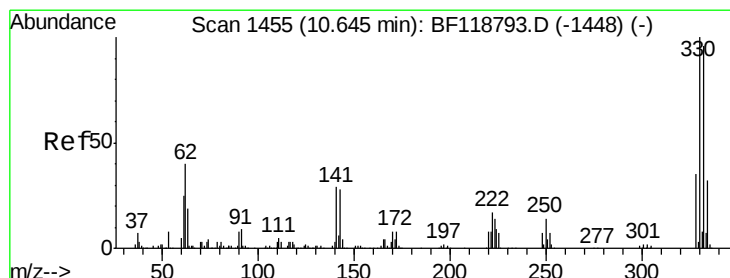
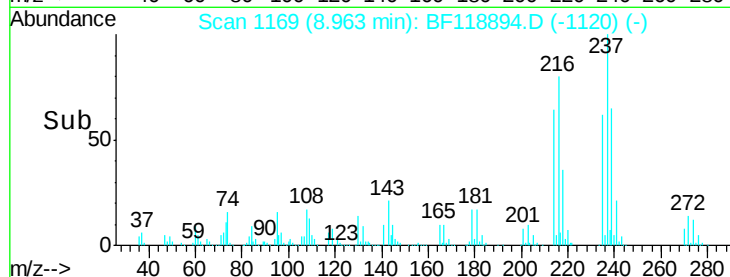
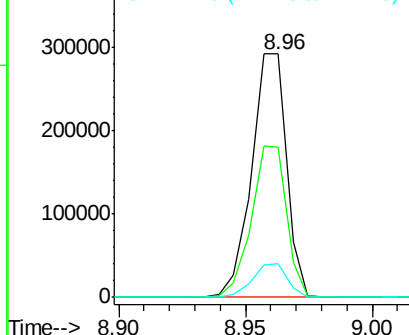
Tot Ion:	237	Resp:	283479
Ion Ratio	Lower	Upper	
237	100		
235	61.6	42.1	82.1
272	13.7	0.0	34.4

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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 116.150 ng

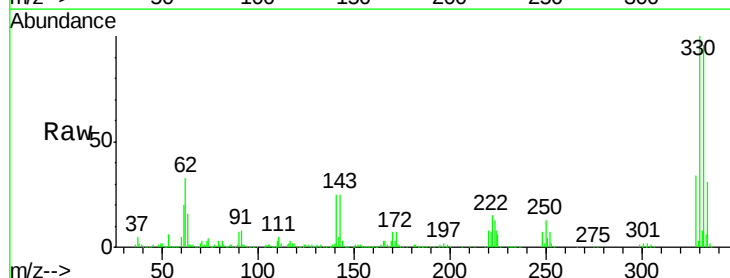
RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

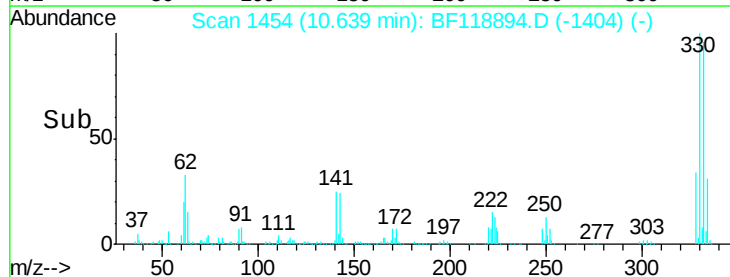
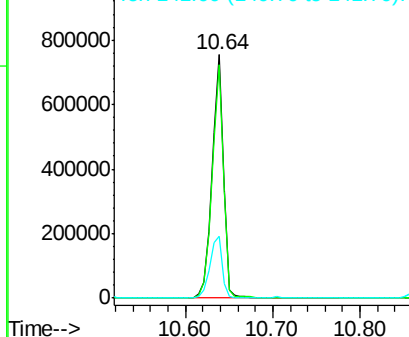
Lab File: BF118894.D

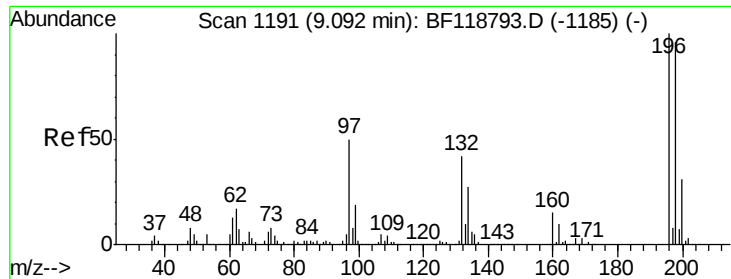
Acq: 11 Feb 2020 20:05

Tgt Ion:	330	Resp:	680857
Ion Ratio	Lower	Upper	
330	100		
332	95.6	77.3	115.9
141	27.3	22.4	33.6



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





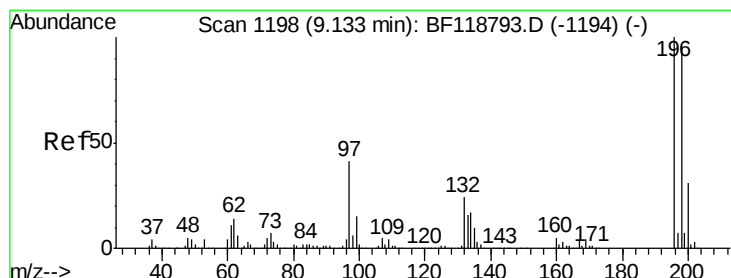
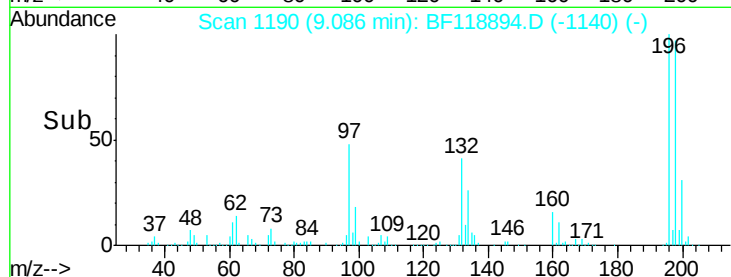
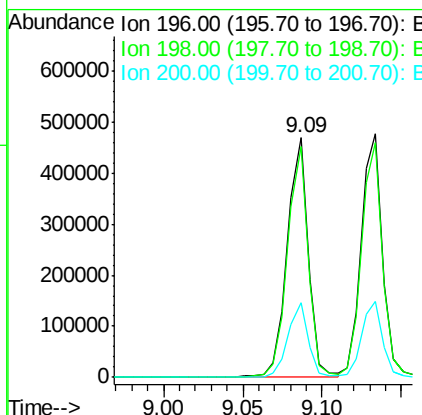
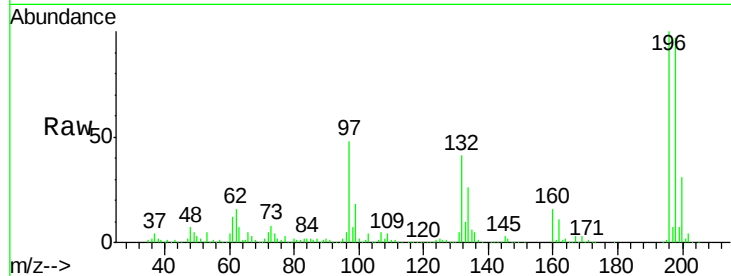
#43
2,4,6-Trichlorophenol
Concen: 43.509 ng
RT: 9.09 min Scan# 1190
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	430185		
198	96.7	76.7	115.1	
200	31.0	24.9	37.3	

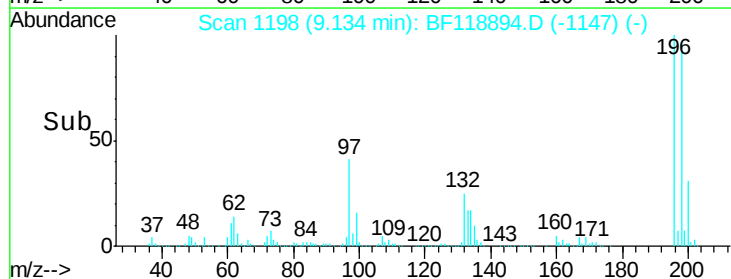
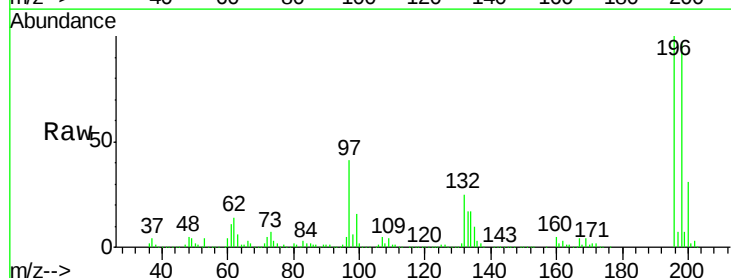
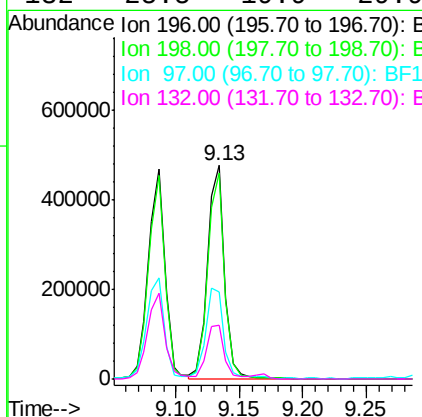
Manual Integrations
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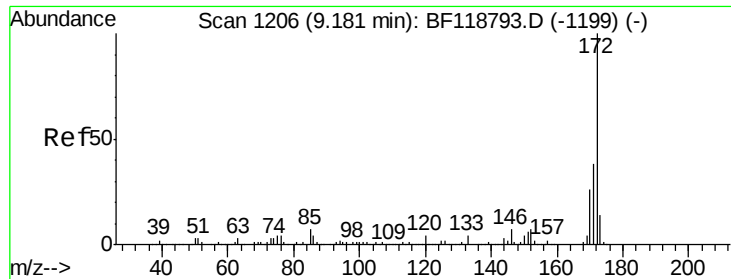
mohammad
2/12/2020 3:51:02 PM



#44
2,4,5-Trichlorophenol
Concen: 44.444 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	448997		
198	96.6	77.0	115.4	
97	40.9	32.9	49.3	
132	25.5	19.9	29.9	





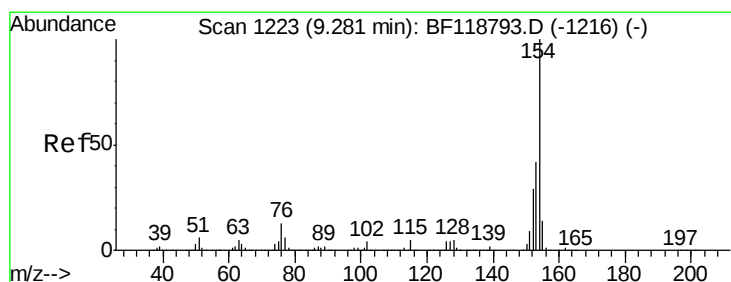
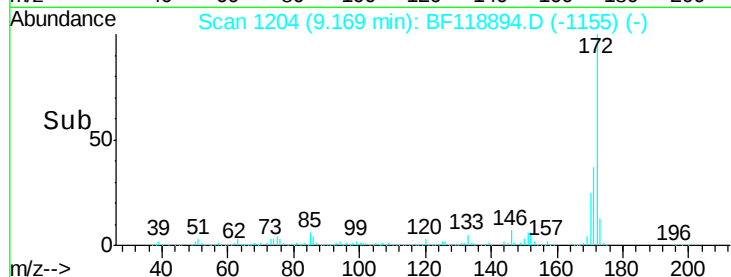
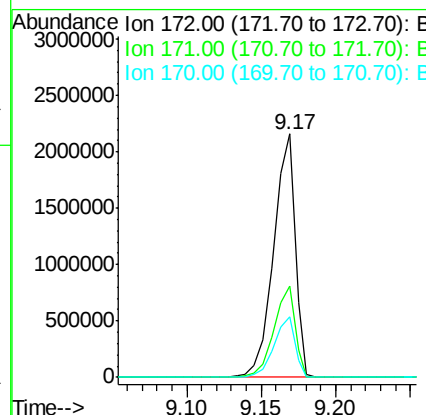
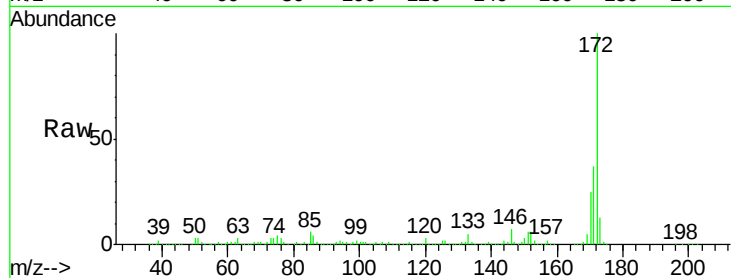
#45
2-Fluorobiphenyl
Concen: 78.600 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	37.5	30.8	46.2	
170	24.9	20.5	30.7	

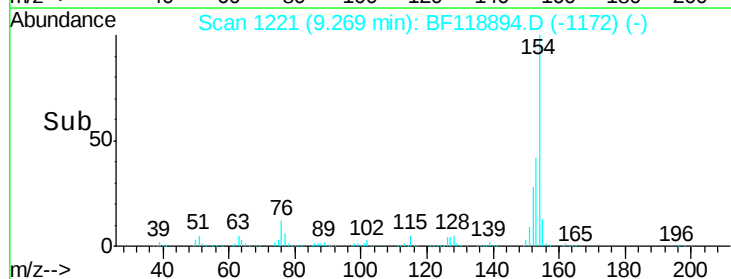
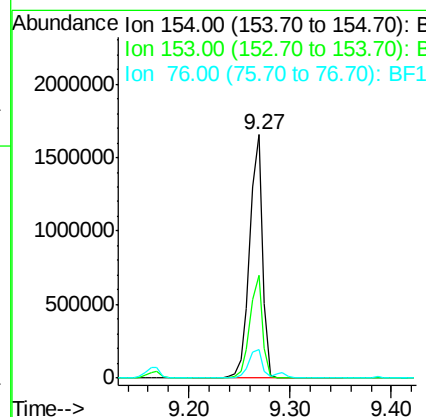
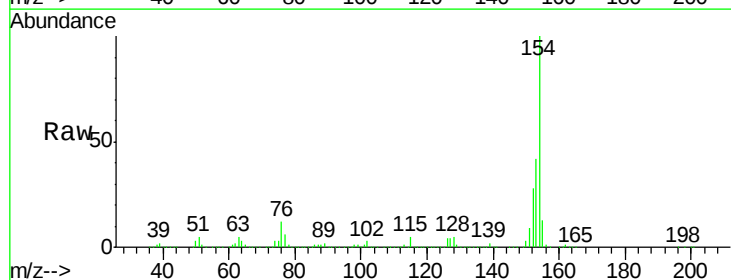
Manual Integrations
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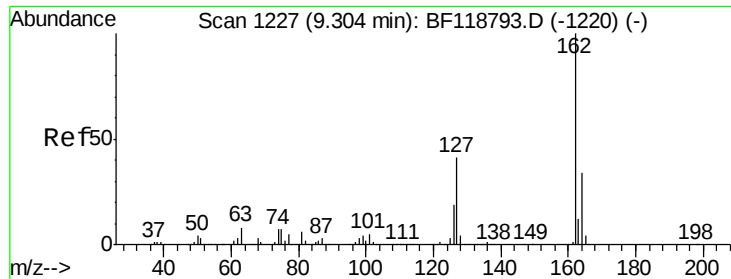
mohammad
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#46
1,1'-Biphenyl
Concen: 43.094 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
154	100			
153	42.0	22.4	62.4	
76	11.8	0.0	32.7	





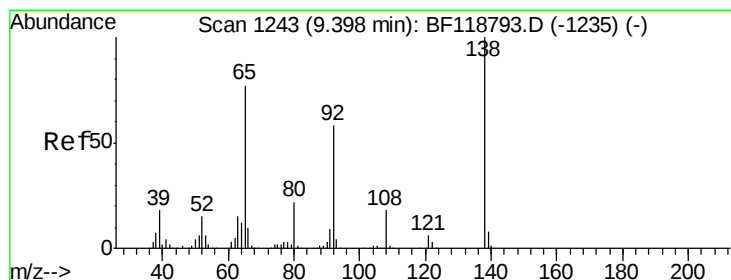
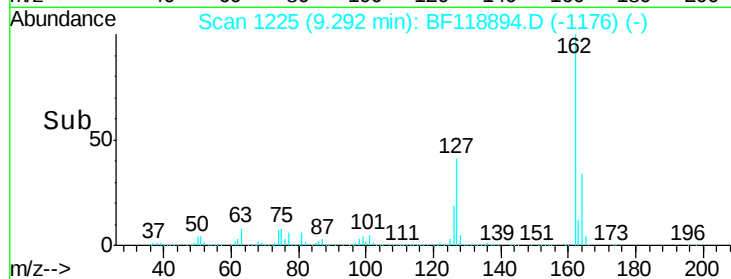
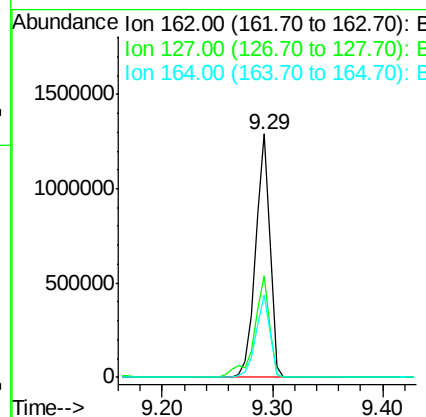
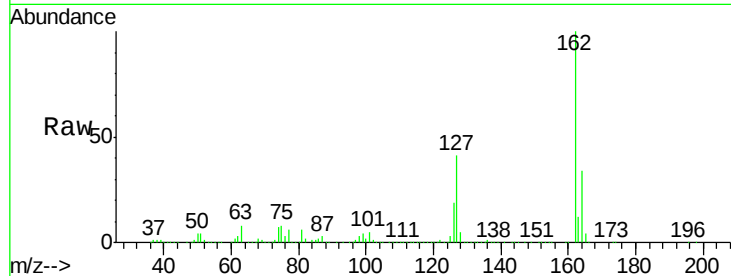
#47
2-Chloronaphthalene
Concen: 41.812 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.4	33.3	49.9
164	33.6	27.1	40.7

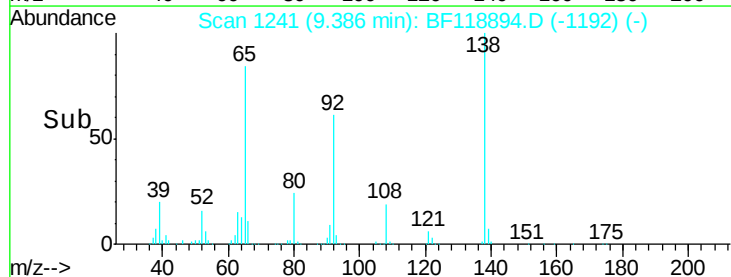
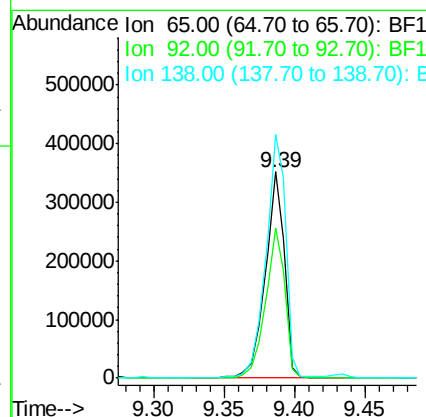
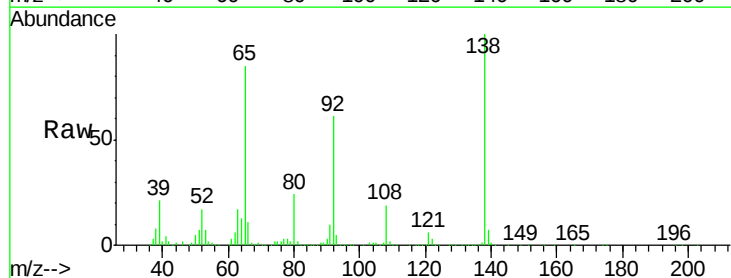
Manual Integrations
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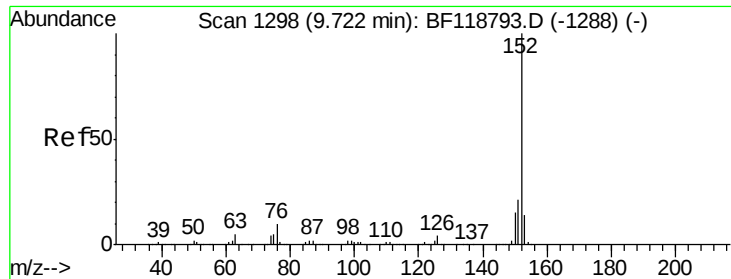
mohammad
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#48
2-Nitroaniline
Concen: 41.549 ng
RT: 9.39 min Scan# 1241
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.5	60.6	91.0
138	117.9	104.6	156.8





#49

Acenaphthylene

Concen: 44.919 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:152 Resp: 1827204

Ion Ratio Lower Upper

152 100

151 21.2 17.1 25.7

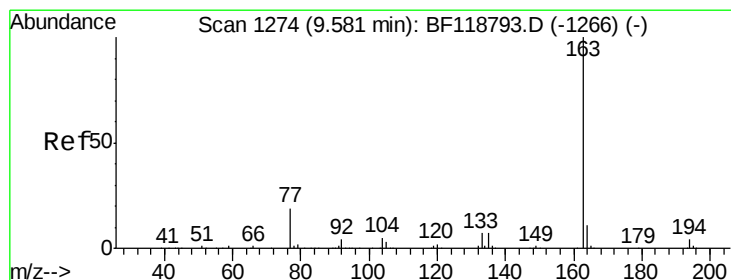
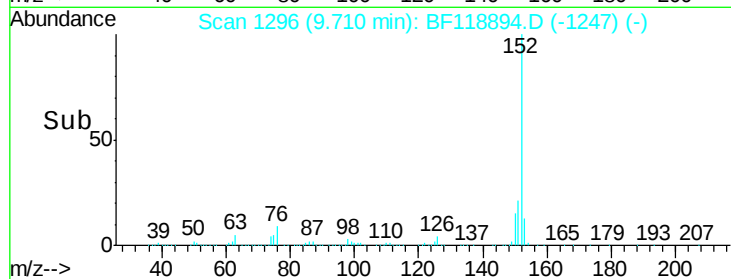
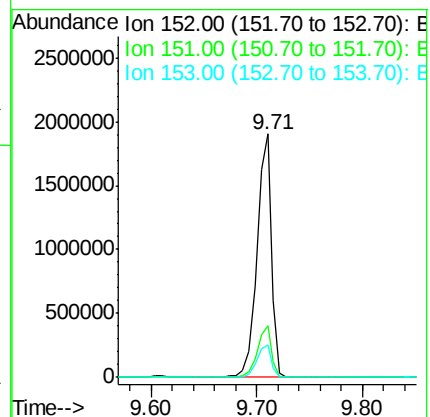
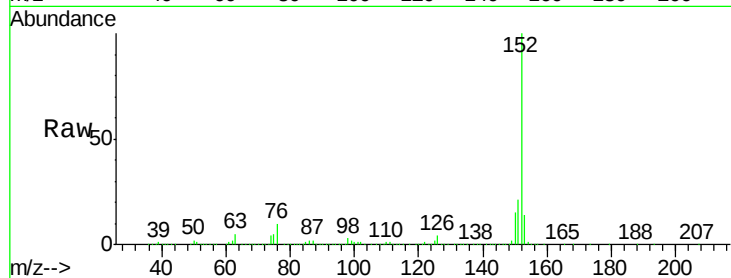
153 13.5 11.0 16.4

Manual Integrations

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2/12/2020 3:51:02 PM



#50

Dimethylphthalate

Concen: 47.244 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

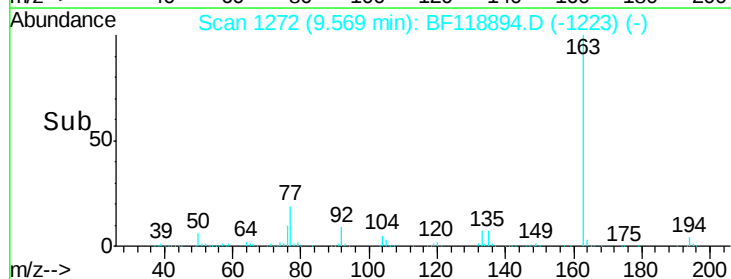
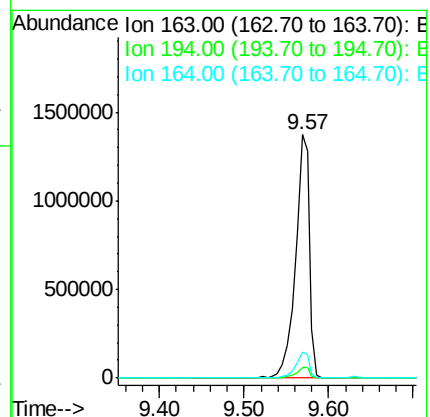
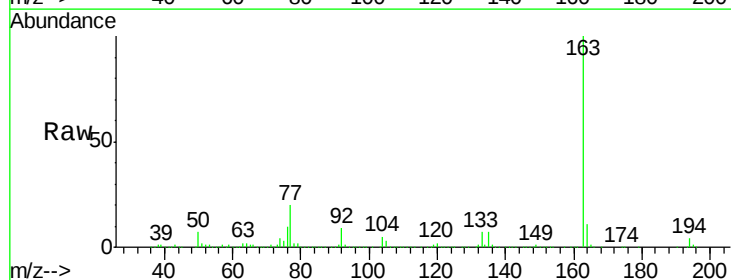
Tgt Ion:163 Resp: 1575977

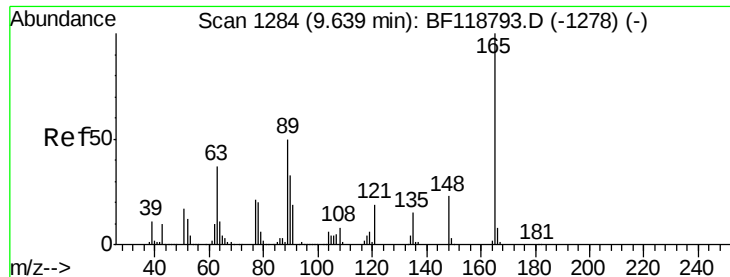
Ion Ratio Lower Upper

163 100

194 4.3 3.6 5.4

164 10.6 8.7 13.1





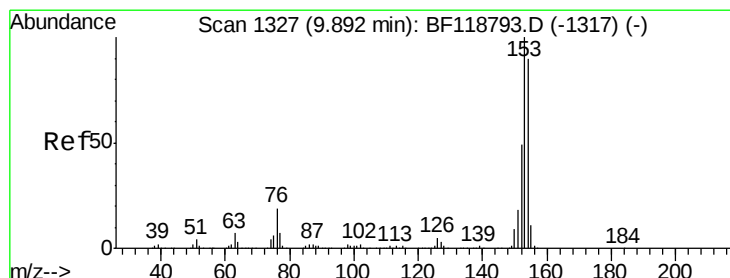
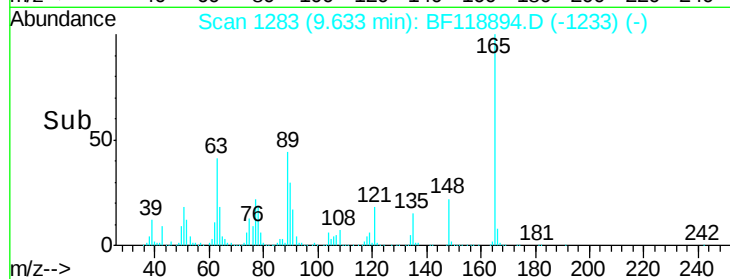
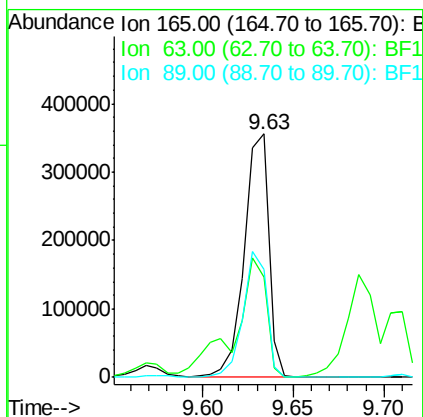
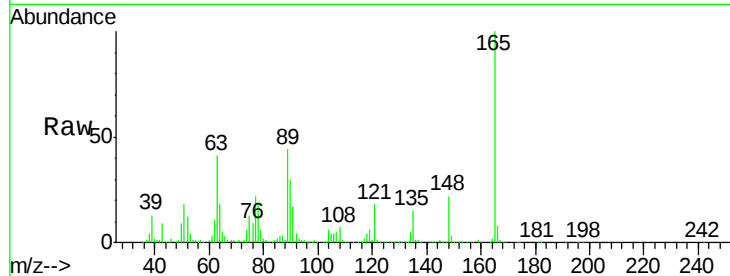
#51
2,6-Dinitrotoluene
Concen: 43.928 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	335288		
63	41.1		37.4	56.0
89	44.3		39.7	59.5

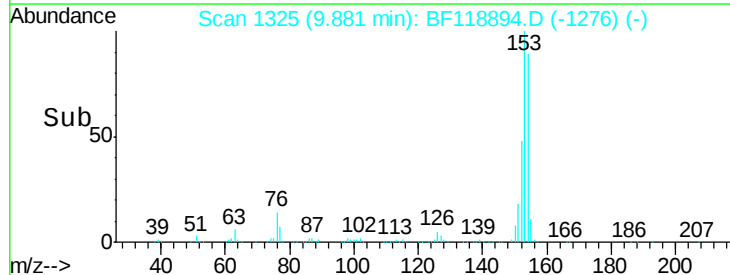
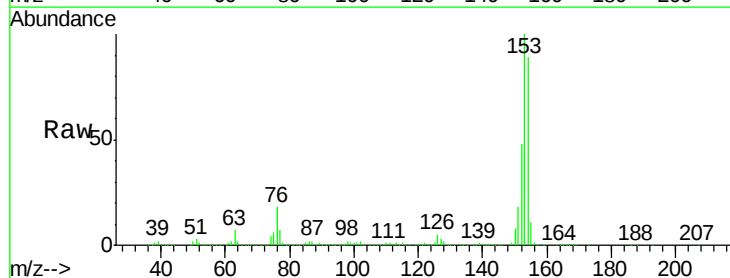
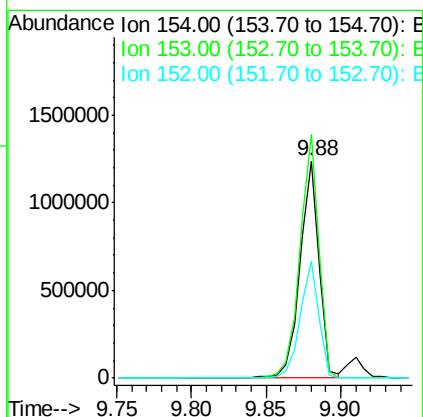
Manual Integrations
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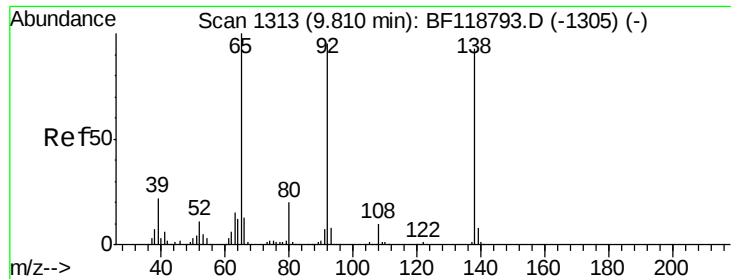
mohammad
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#52
Acenaphthene
Concen: 41.042 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1100139		
153	112.2		89.4	134.0
152	54.0		43.6	65.4





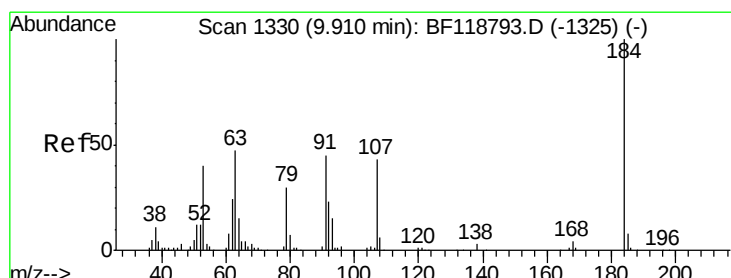
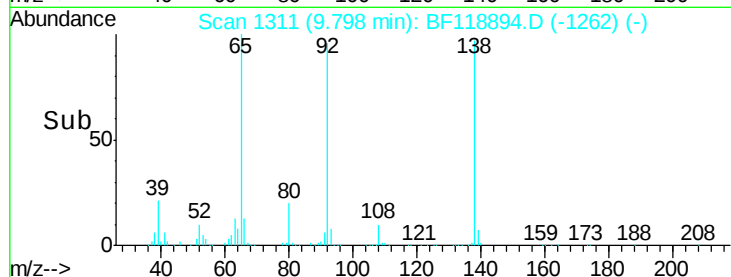
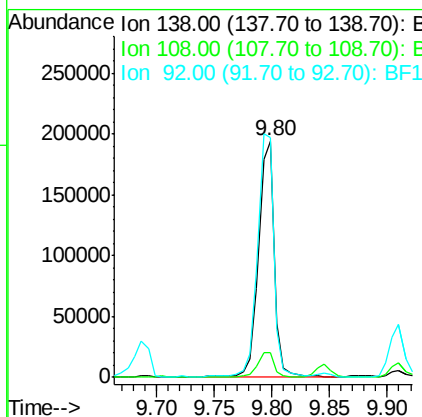
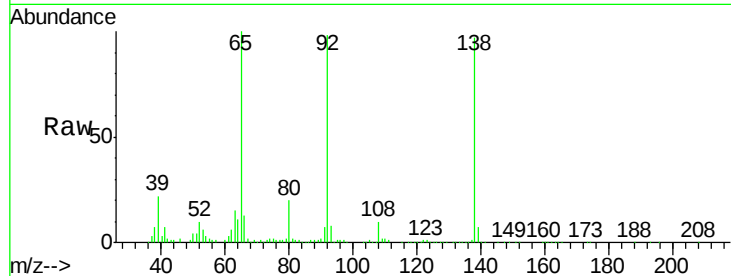
#53
3-Nitroaniline
Concen: 21.993 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.5	12.7
92	101.4	82.2	123.4

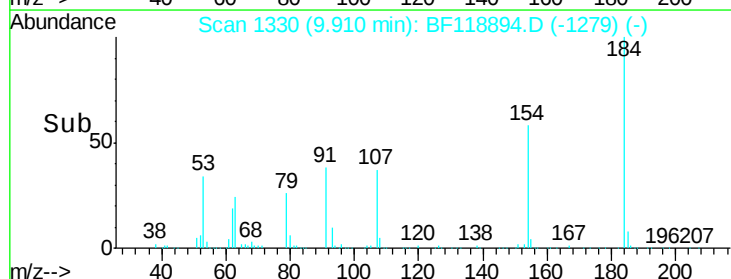
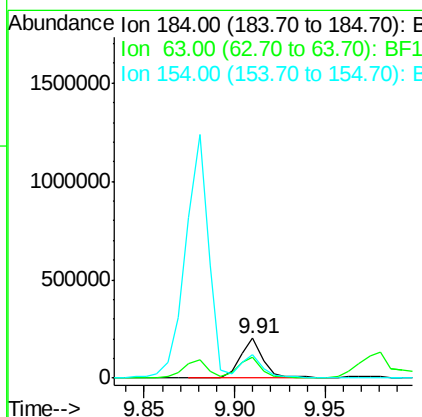
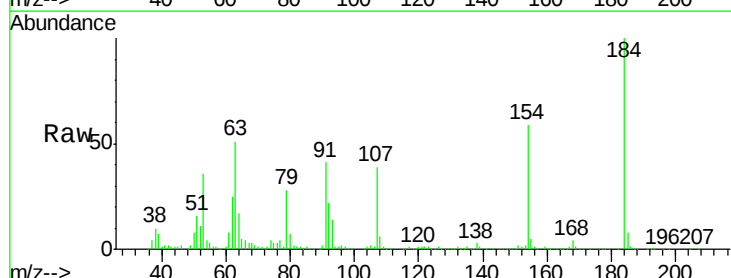
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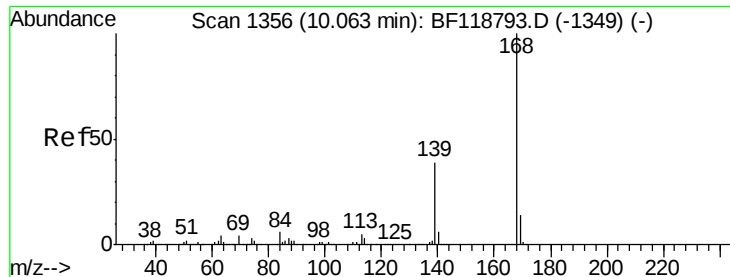
mohammad
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#54
2,4-Dinitrophenol
Concen: 50.444 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	51.3	47.5	71.3
154	58.6	48.6	72.8





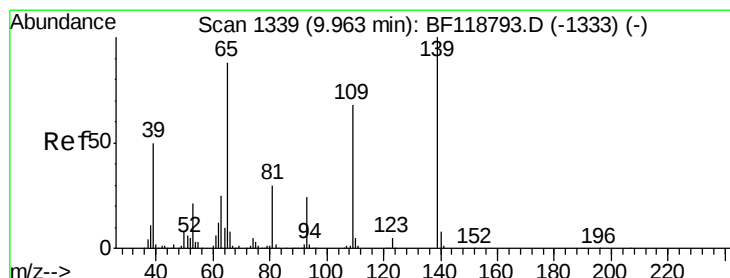
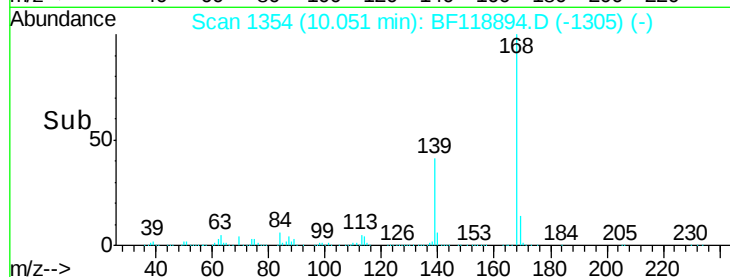
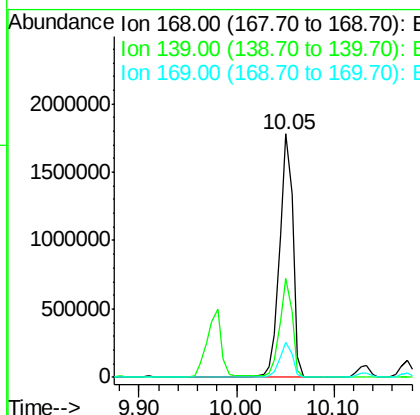
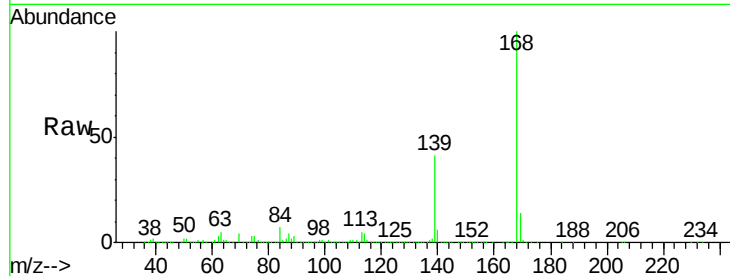
#55
Dibenzofuran
Concen: 43.453 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion:168 Resp: 1683285
Ion Ratio Lower Upper
168 100
139 40.8 31.6 47.4
169 14.1 11.4 17.2

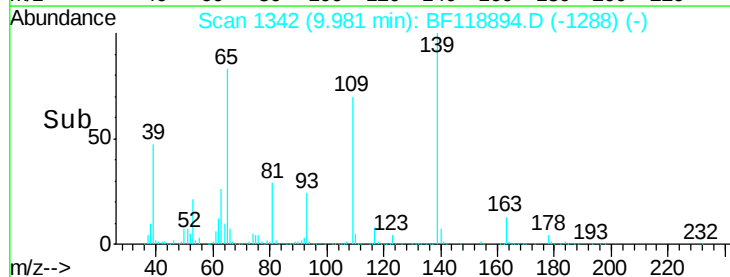
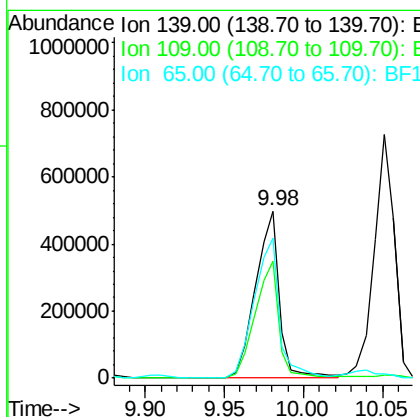
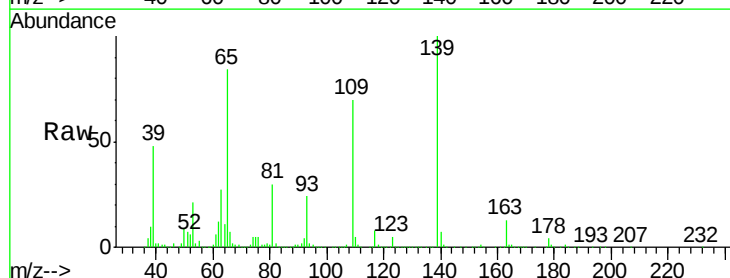
Manual Integrations
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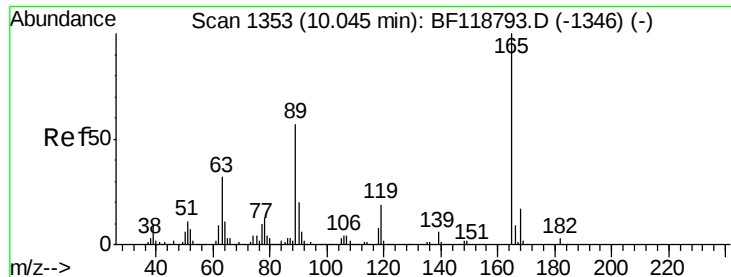
mohammad
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#56
4-Nitrophenol
Concen: 85.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.02 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:139 Resp: 520739
Ion Ratio Lower Upper
139 100
109 69.7 48.0 88.0
65 83.6 68.3 108.3





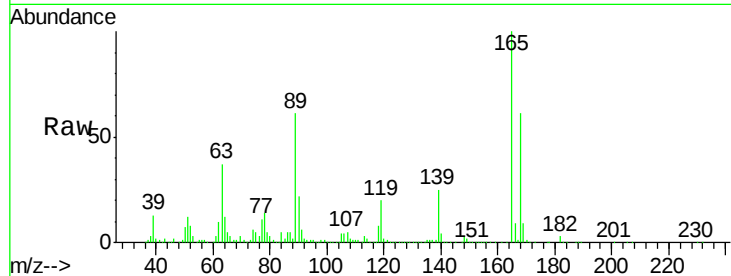
#57
2,4-Dinitrotoluene
Concen: 44.799 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

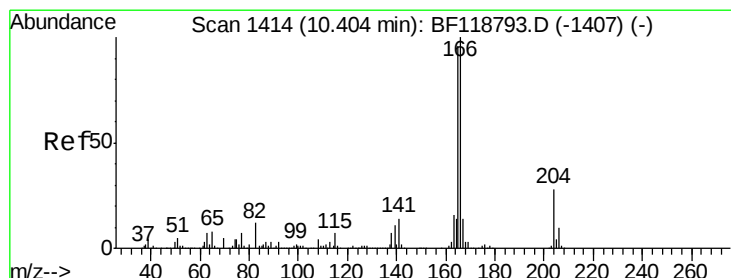
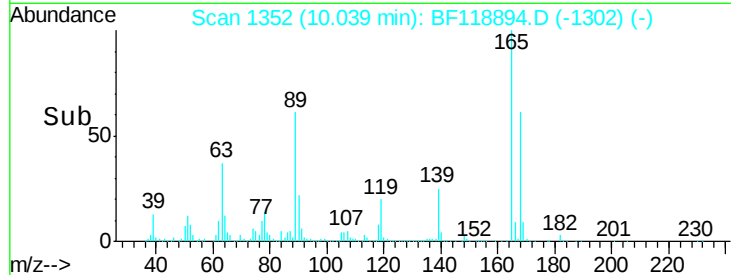
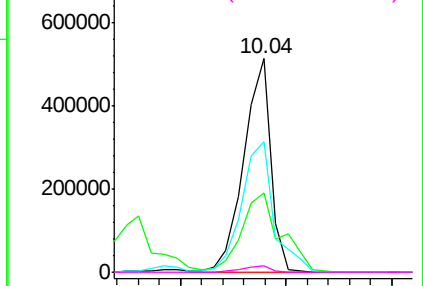
Tot Ion:	165	Resp:	452514
Ion Ratio	Lower	Upper	
165	100		
63	37.0	25.5	38.3
89	61.3	45.4	68.0
182	3.1	2.4	3.6

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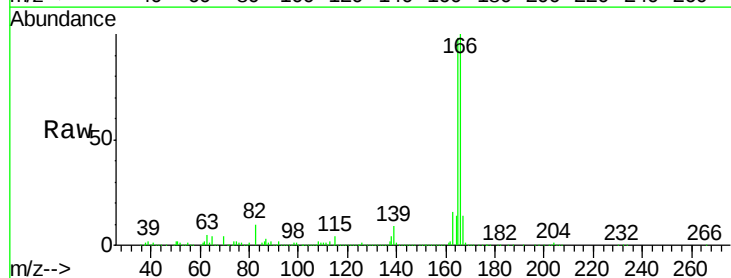


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

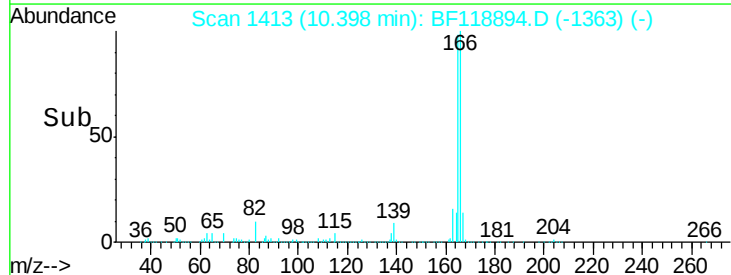
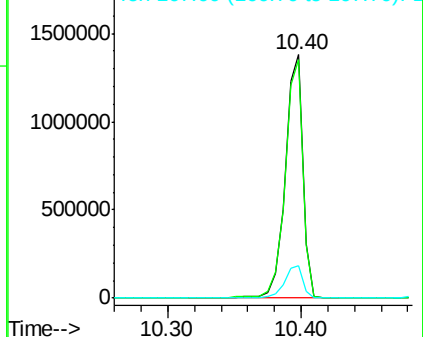


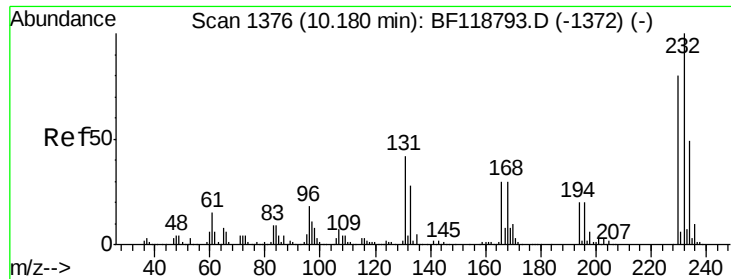
#58
Fluorene
Concen: 44.094 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:	166	Resp:	1285046
Ion Ratio	Lower	Upper	
166	100		
165	98.2	77.0	115.6
167	13.5	11.1	16.7



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





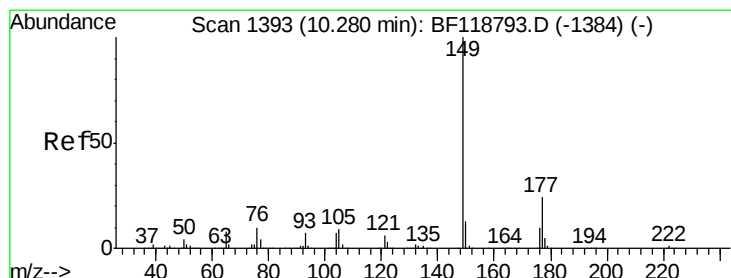
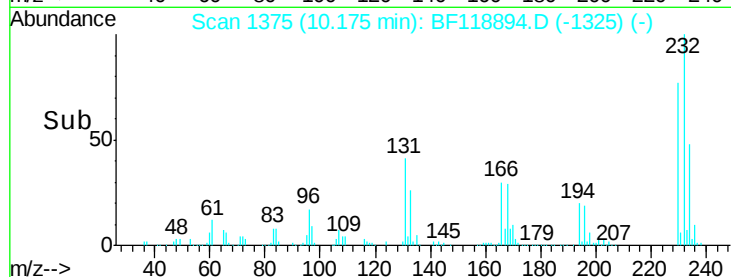
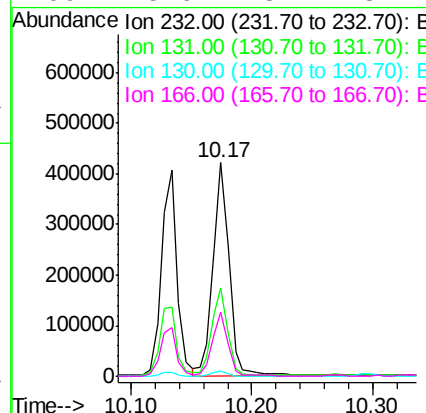
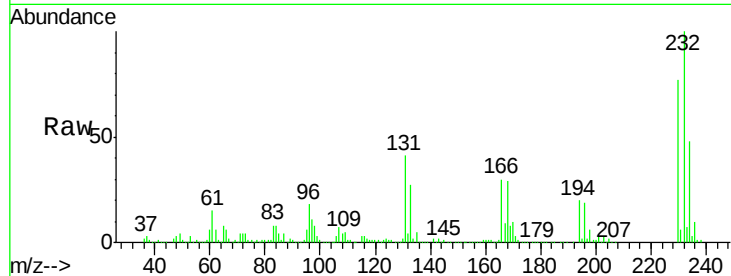
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 44.034 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
232	100		388506		
131	40.5	31.8	47.6		
130	2.2	1.6	2.4		
166	28.6	23.1	34.7		

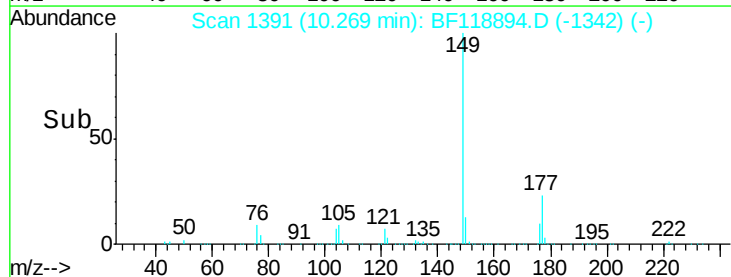
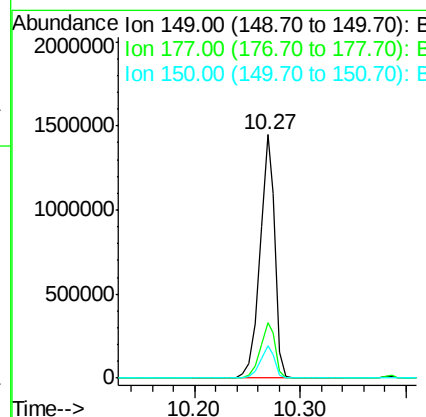
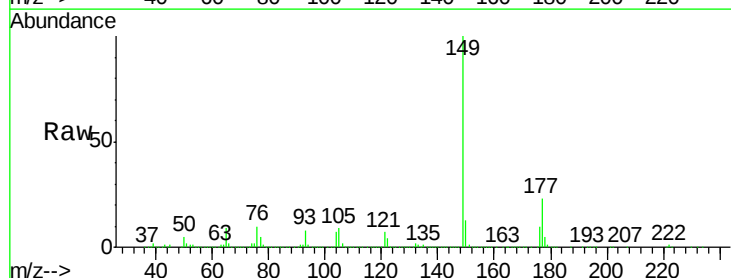
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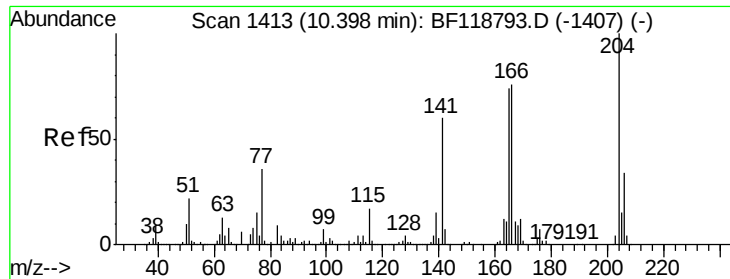
mohammad
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#60
 Diethylphthalate
 Concen: 44.200 ng
 RT: 10.27 min Scan# 1391
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
149	100		1433706		
177	22.9	19.3	28.9		
150	13.1	10.4	15.6		





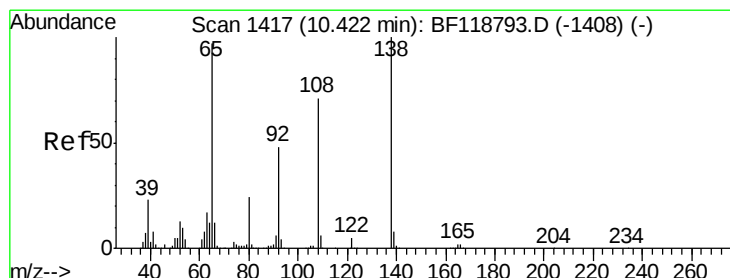
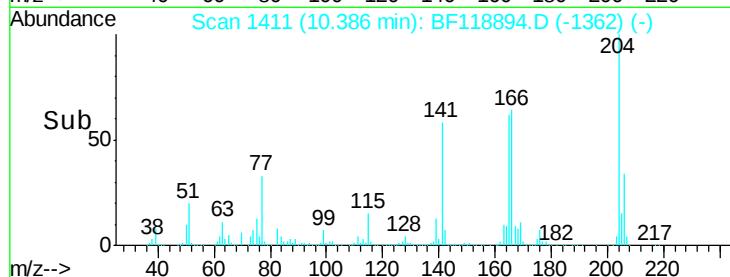
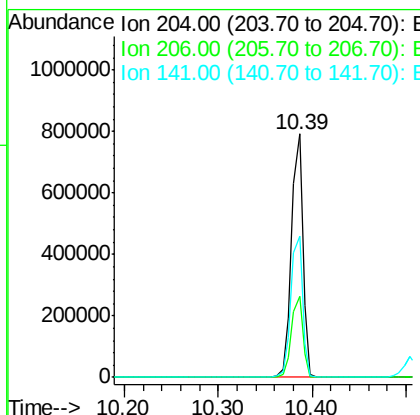
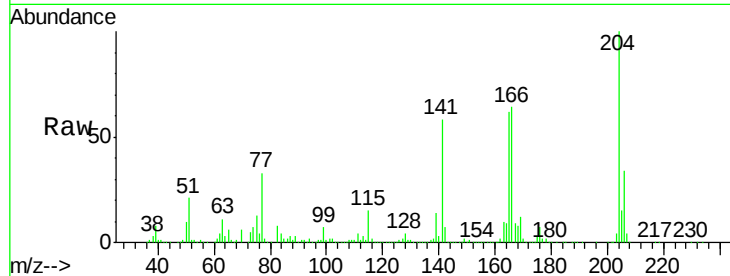
#61
 4-Chlorophenyl-phenylether
 Concen: 42.598 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampled :
 SP-3MSD

Tot Ion:	204	Resp:	673255
Ion Ratio	Lower	Upper	
204	100		
206	33.5	27.4	41.2
141	58.0	47.8	71.6

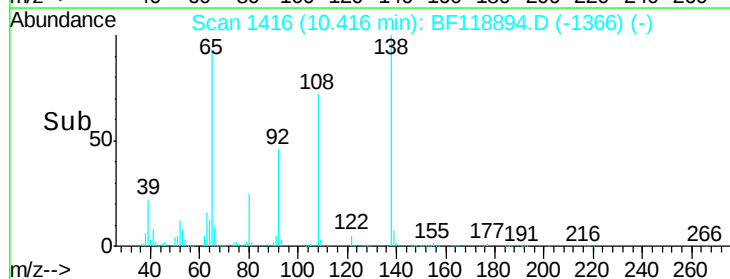
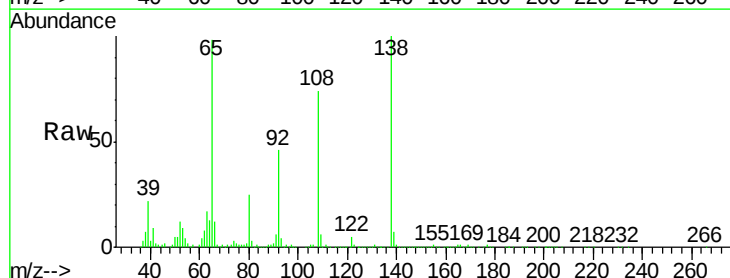
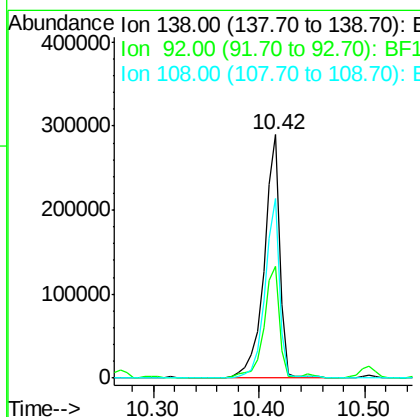
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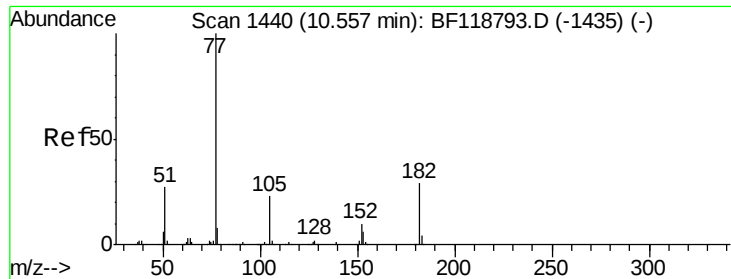
mohammad
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#62
 4-Nitroaniline
 Concen: 35.202 ng
 RT: 10.42 min Scan# 1416
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion:	138	Resp:	298399
Ion Ratio	Lower	Upper	
138	100		
92	46.1	27.6	67.6
108	73.5	51.3	91.3





#63

Azobenzene

Concen: 44.113 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

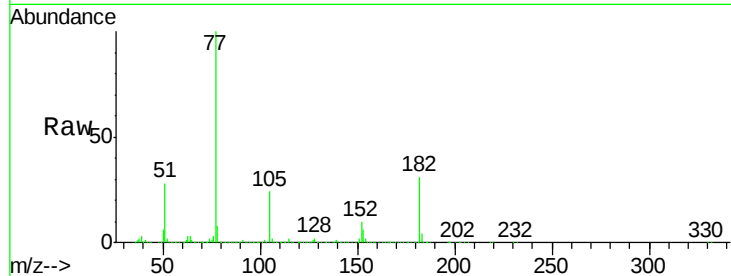
ClientSampleId :

SP-3MSD

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	30.5	9.2	49.2	
105	23.5	3.1	43.1	
51	28.3	7.4	47.4	

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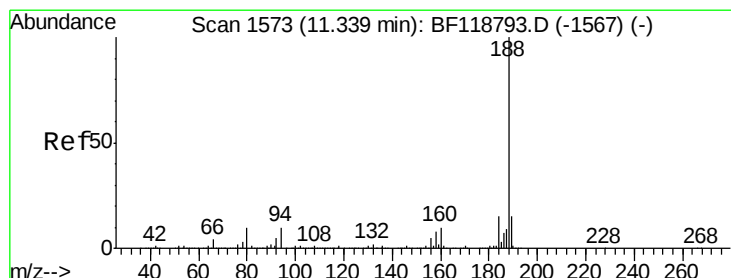
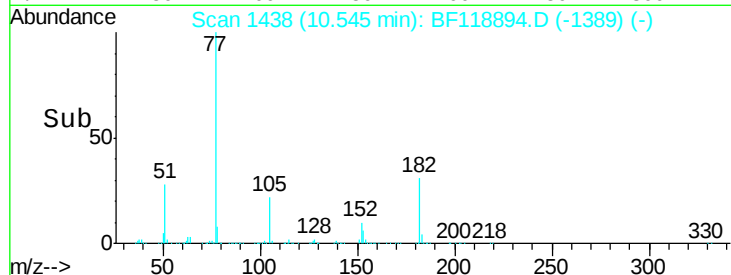
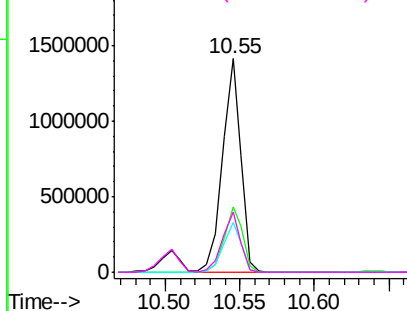


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

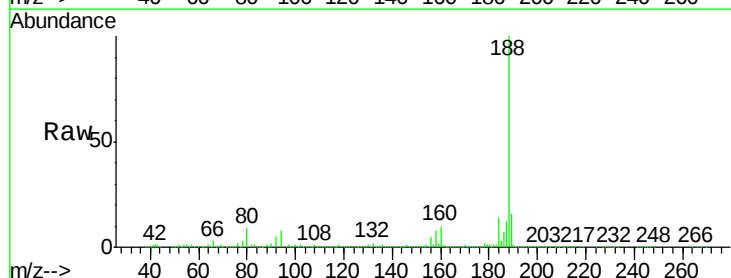
RT: 11.33 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

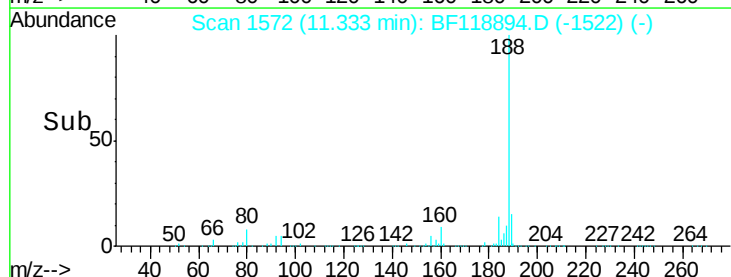
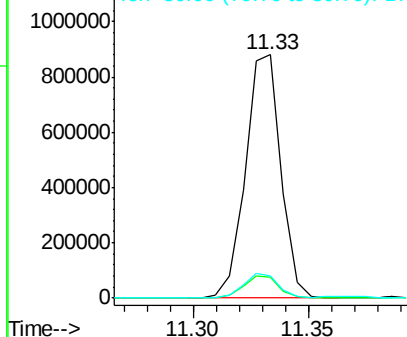
Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	8.4	7.9	11.9	
80	8.9	8.4	12.6	

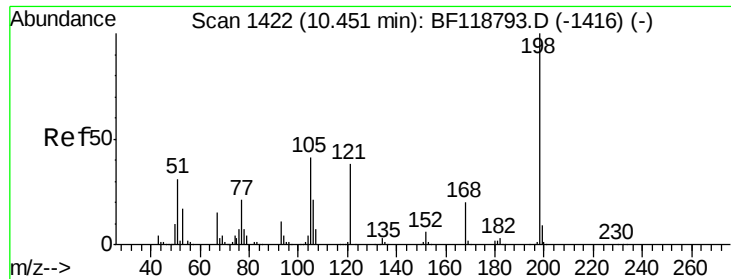


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 30.462 ng

RT: 10.45 min Scan# 1422

Delta R.T. 0.00 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

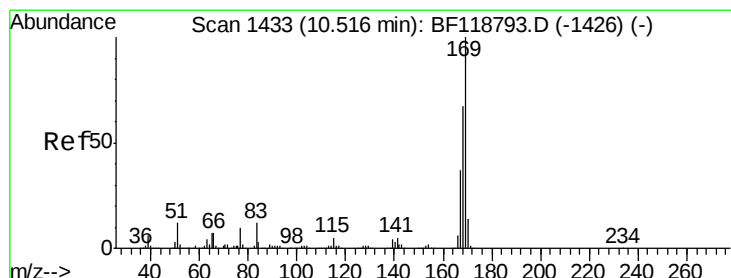
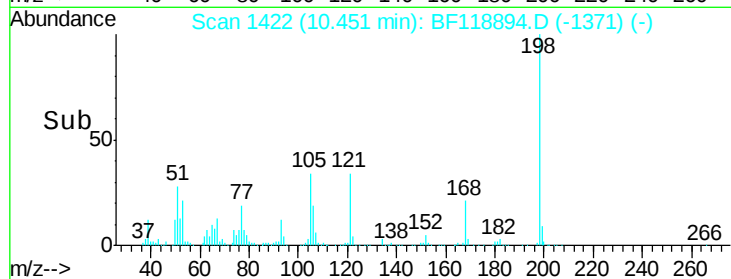
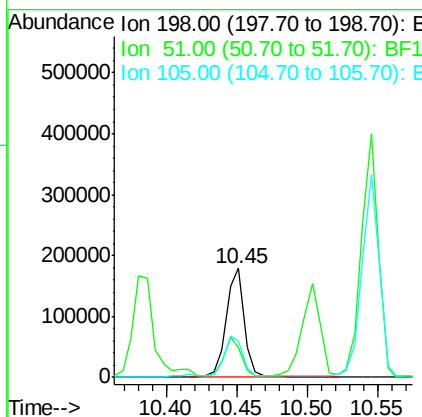
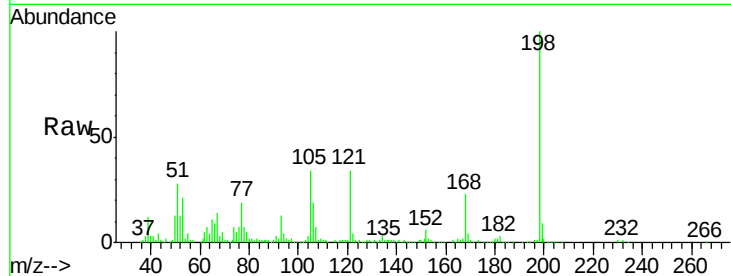
ClientSampleId :

SP-3MSD

Tot Ion:	198	Resp:	160054
Ion Ratio	Lower	Upper	
198	100		
51	28.1	16.7	56.7
105	33.9	22.0	62.0

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#66

n-Nitrosodiphenylamine

Concen: 43.777 ng

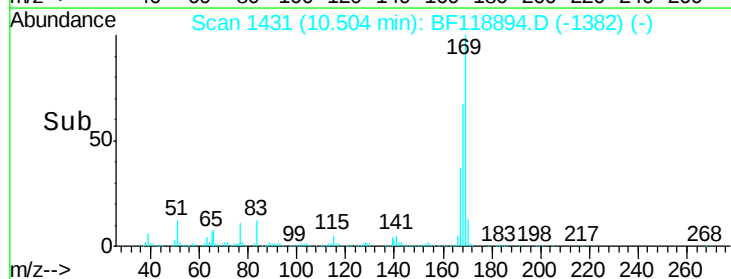
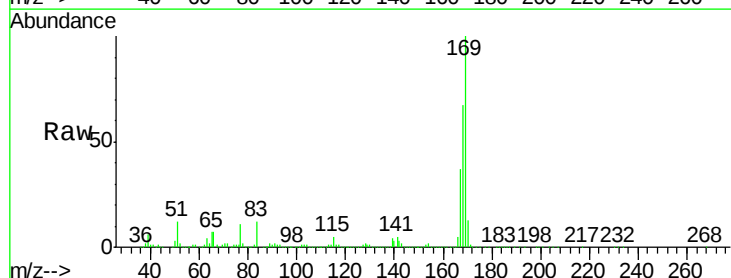
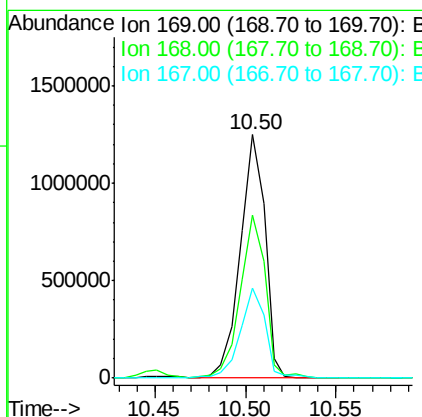
RT: 10.50 min Scan# 1431

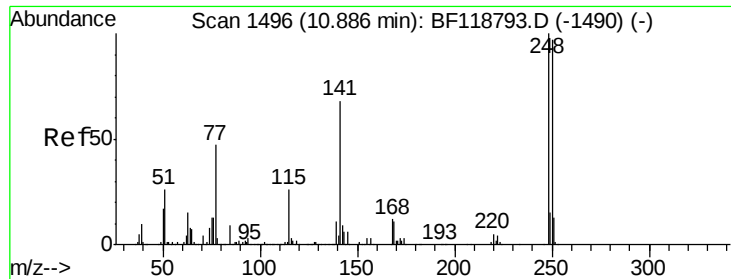
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	169	Resp:	1185685
Ion Ratio	Lower	Upper	
169	100		
168	67.0	53.5	80.3
167	36.7	29.3	43.9





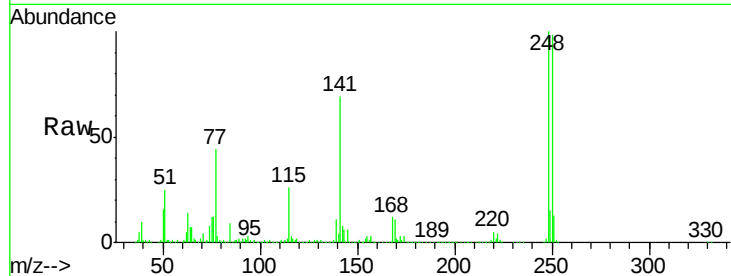
#67
4-Bromophenyl-phenylether
Concen: 42.205 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

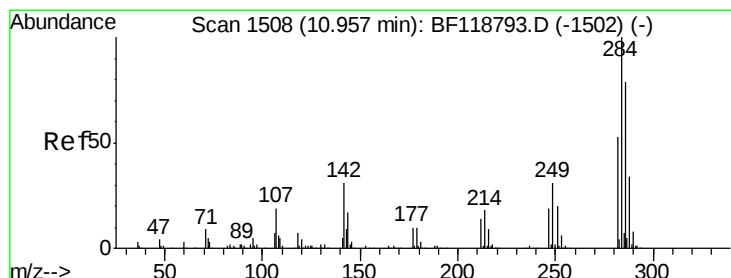
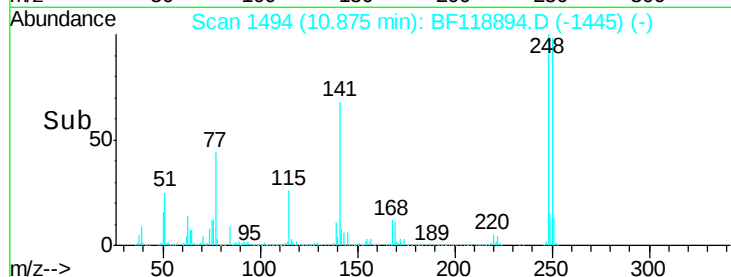
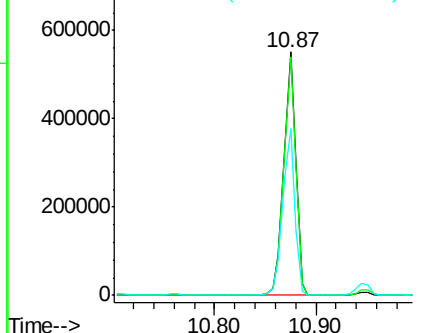
Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	77.6	116.4
141	68.7	54.4	81.6

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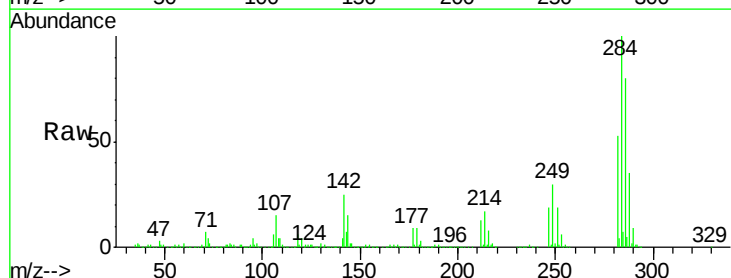


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

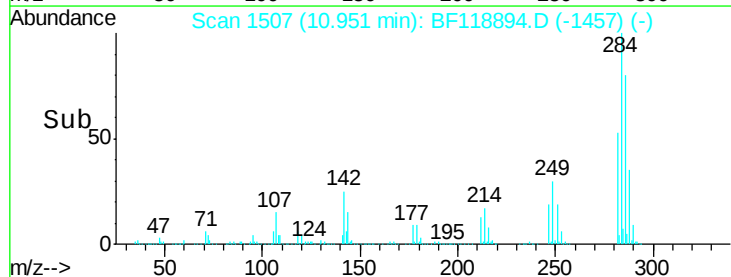
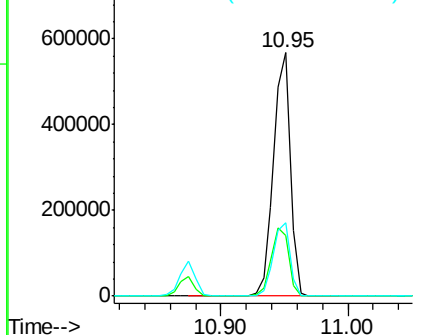


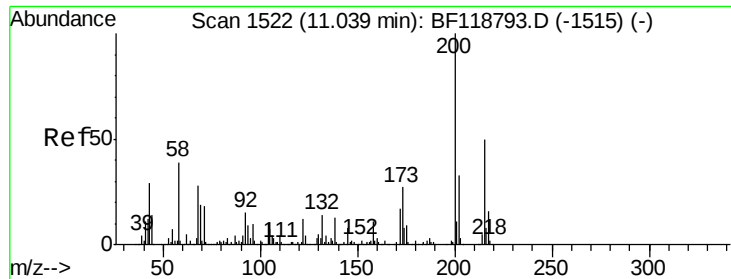
#68
Hexachlorobenzene
Concen: 41.257 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	25.1	24.5	36.7
249	30.1	24.7	37.1



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E





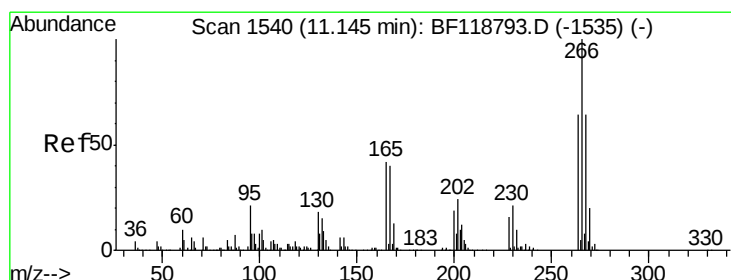
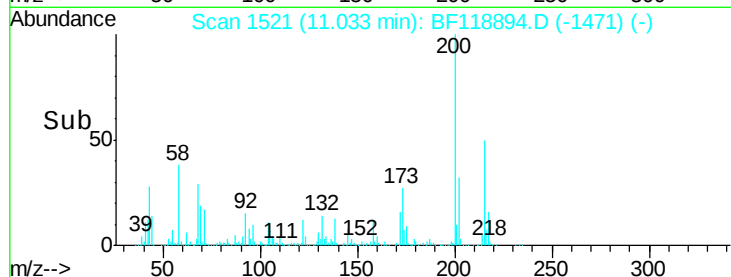
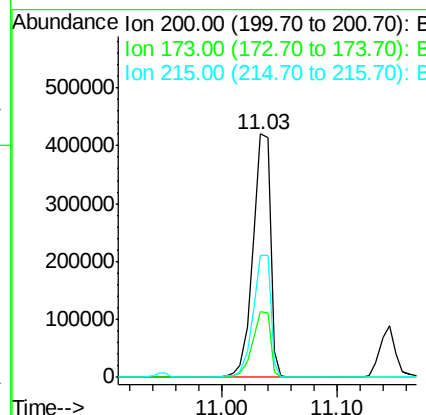
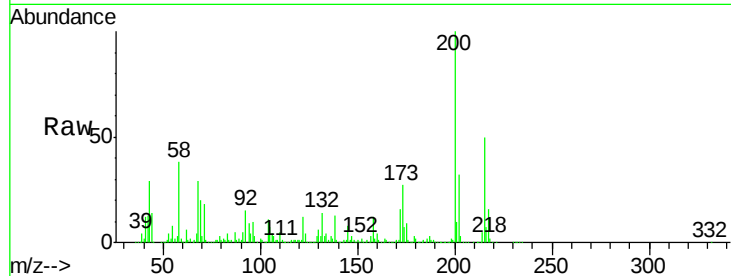
#69
Atrazine
Concen: 48.690 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	439354		
173	27.2	7.5	47.5	
215	50.0	29.9	69.9	

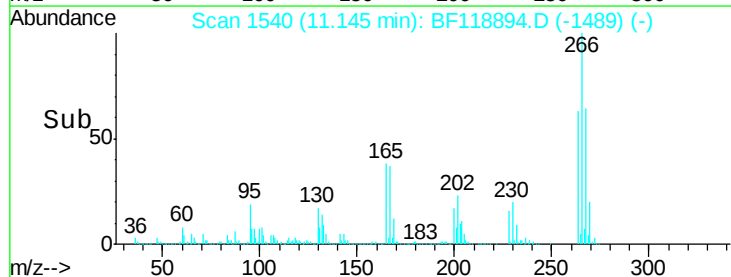
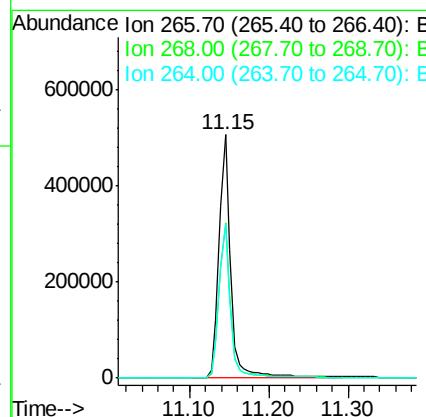
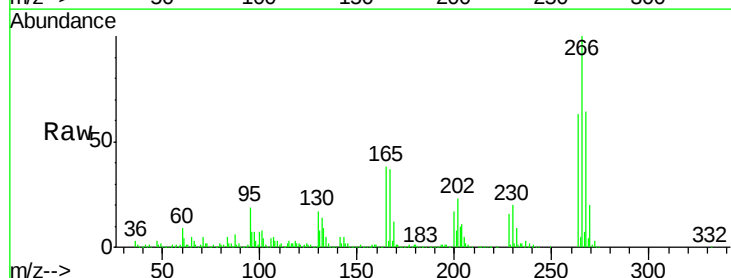
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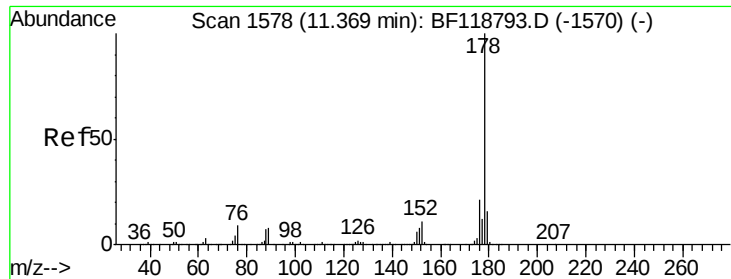
mohammad
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#70
Pentachlorophenol
Concen: 78.583 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	526435		
268	63.9	51.0	76.6	
264	63.3	51.4	77.2	





#71

Phenanthrene

Concen: 48.017 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:178 Resp: 2209047

Ion Ratio Lower Upper

178 100

176 20.5 16.6 24.8

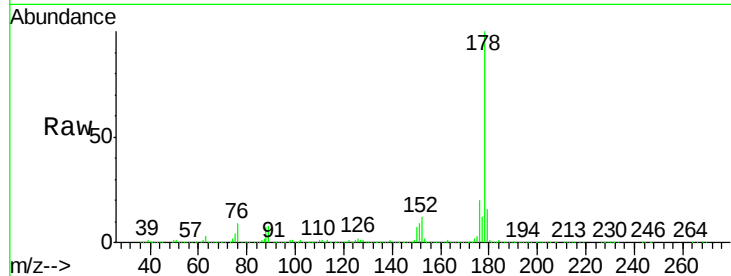
179 16.3 13.2 19.8

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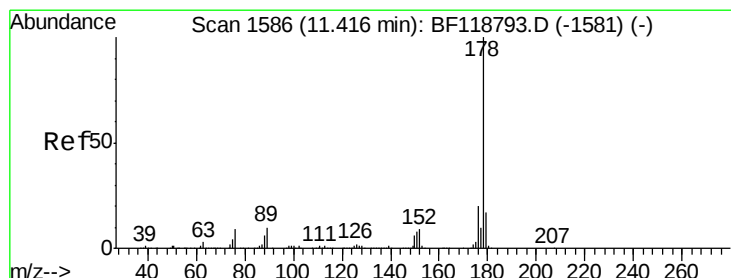
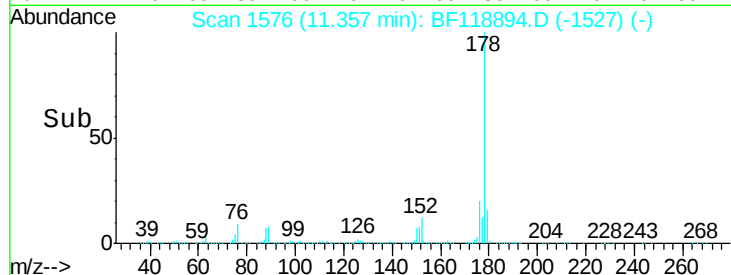
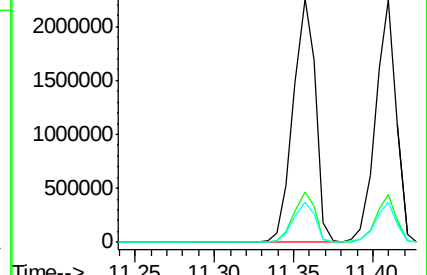
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.904 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:178 Resp: 2055166

Ion Ratio Lower Upper

178 100

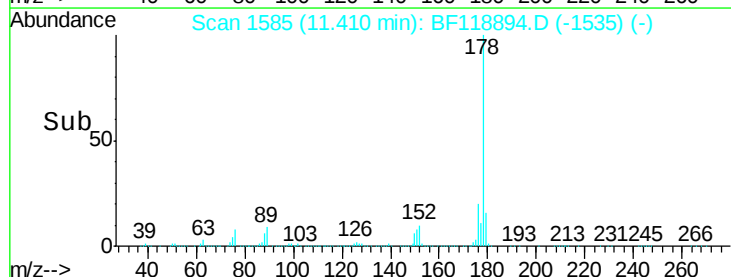
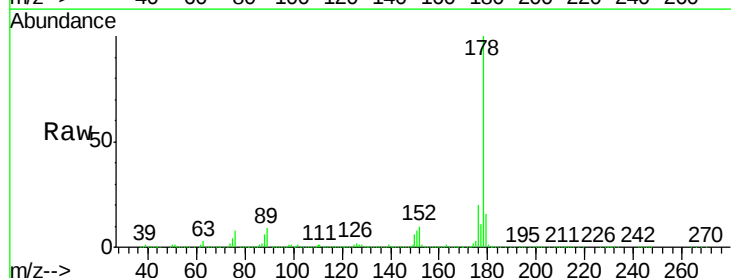
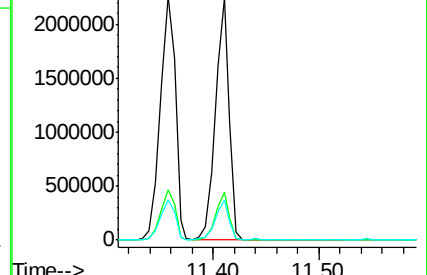
176 19.8 16.2 24.2

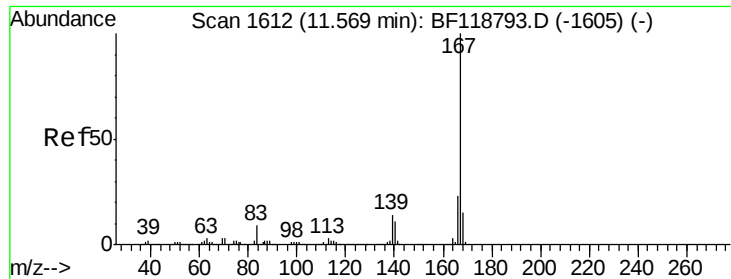
179 16.4 13.4 20.2

Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





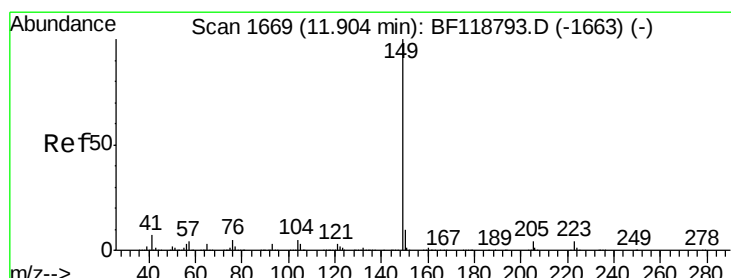
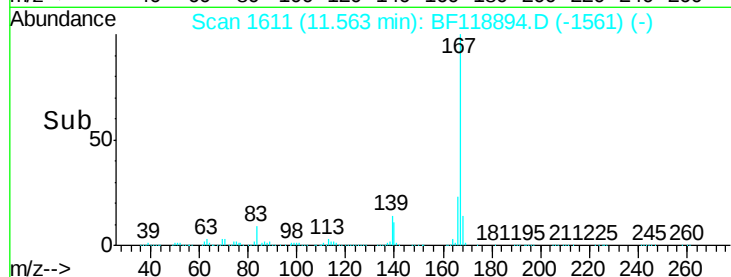
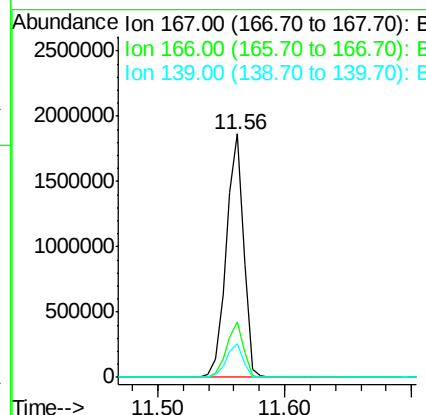
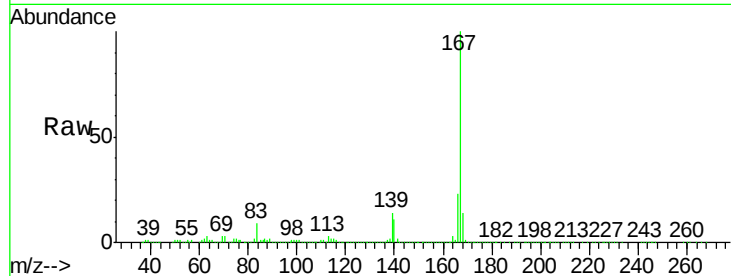
#73
 Carbazole
 Concen: 44.032 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.9	18.4	27.6
139	14.0	11.1	16.7

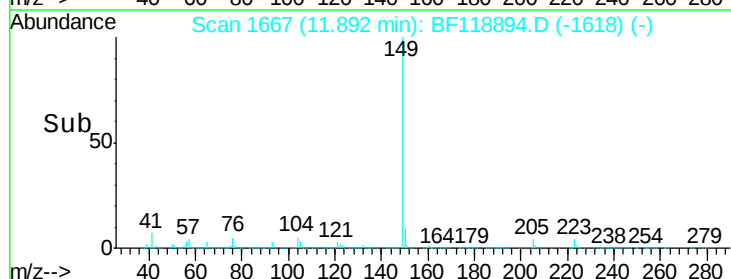
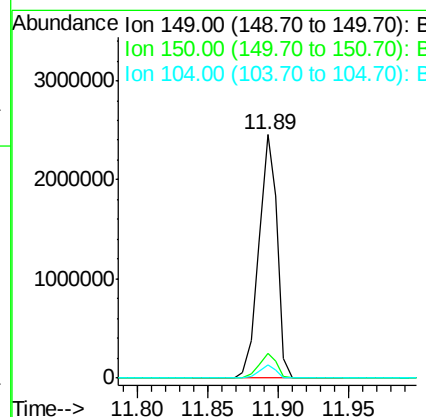
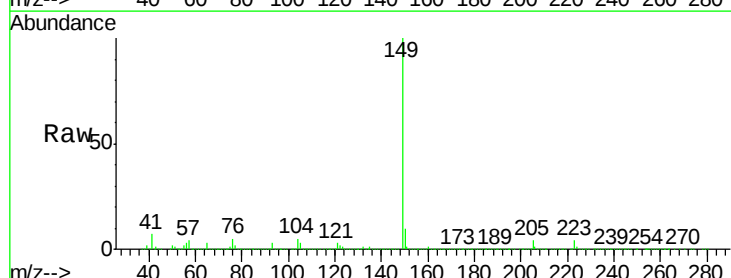
Manual Integrations
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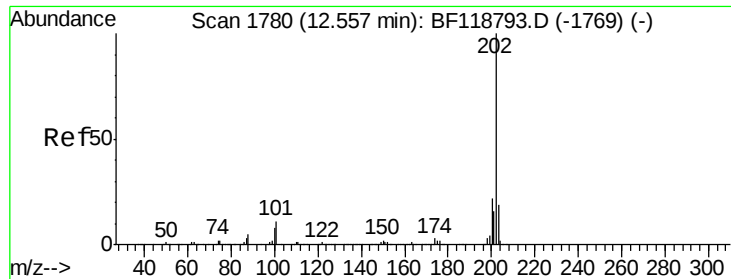
mohammad
 2/12/2020 3:51:02 PM



#74
 Di-n-butylphthalate
 Concen: 43.472 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.01 min
 Lab File: BF118894.D
 Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.9	8.1	12.1
104	5.4	4.3	6.5





#75

Fluoranthene

Concen: 46.627 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:202 Resp: 2342079

Ion Ratio Lower Upper

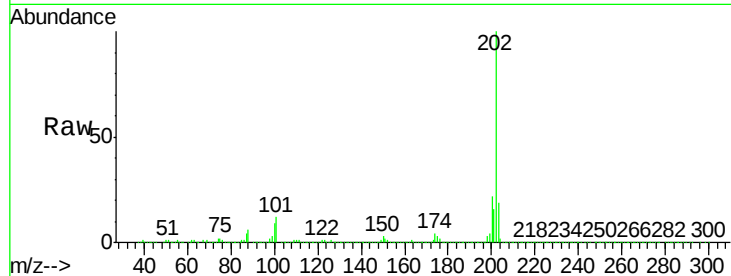
202 100

101 12.0 0.0 31.0

203 18.8 0.0 38.7

Manual Integrations
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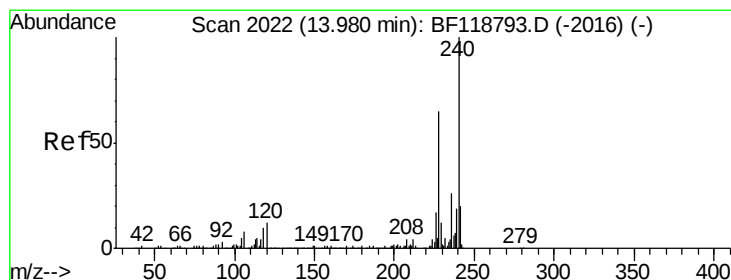
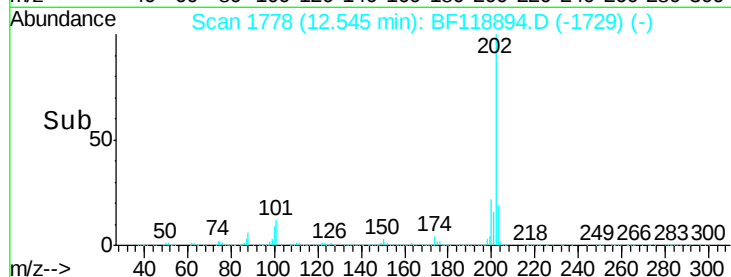
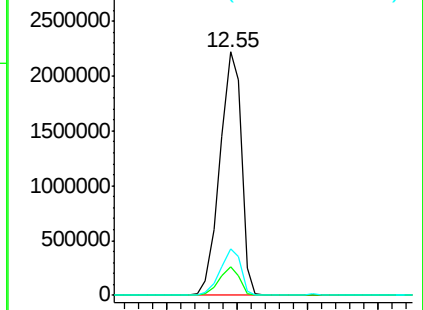
mohammad
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

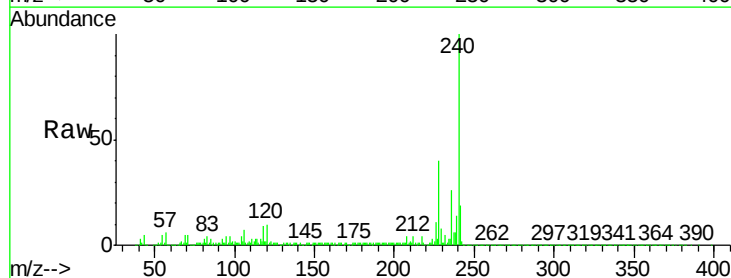
Tgt Ion:240 Resp: 749196

Ion Ratio Lower Upper

240 100

120 10.1 9.4 14.0

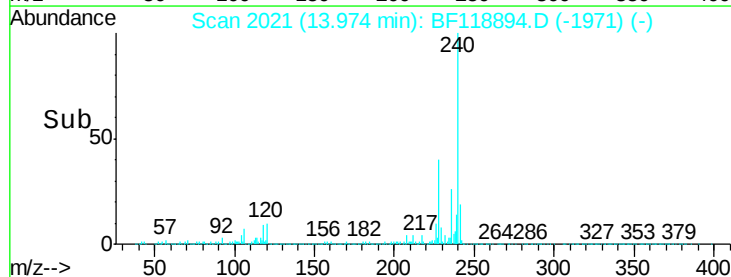
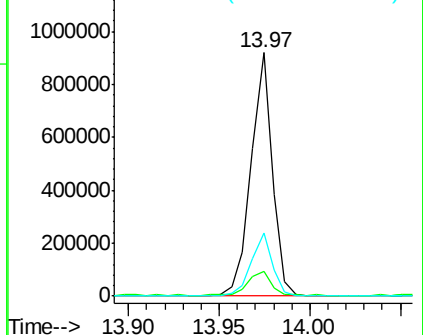
236 25.8 21.0 31.6

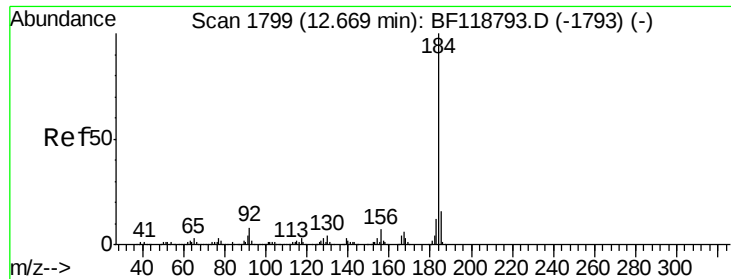


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 34.090 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

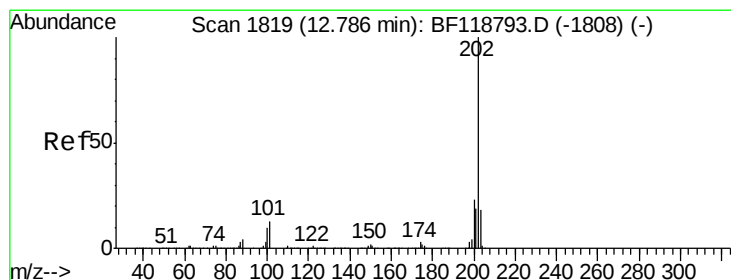
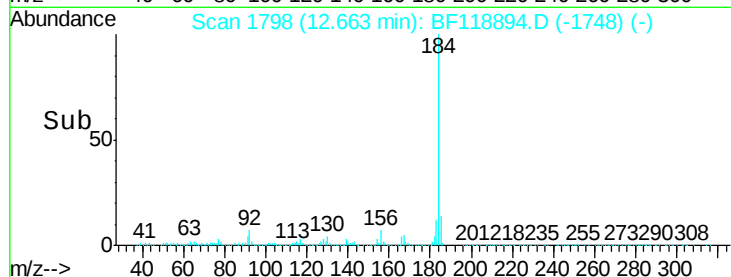
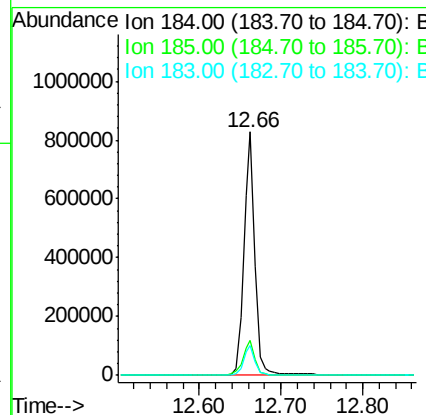
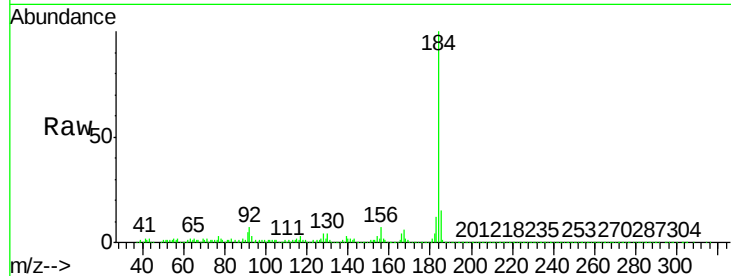
ClientSampled :

SP-3MSD

Tot Ion:	184	Resp:	772483
Ion Ratio	Lower	Upper	
184	100		
185	14.6	12.5	18.7
183	12.4	9.7	14.5

Manual Integrations
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#78

Pyrene

Concen: 43.555 ng

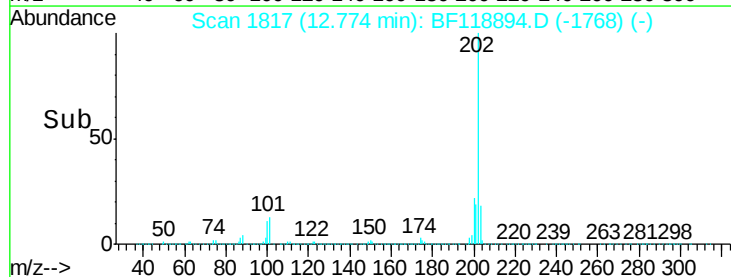
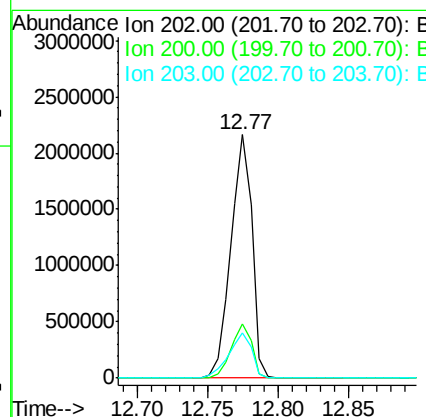
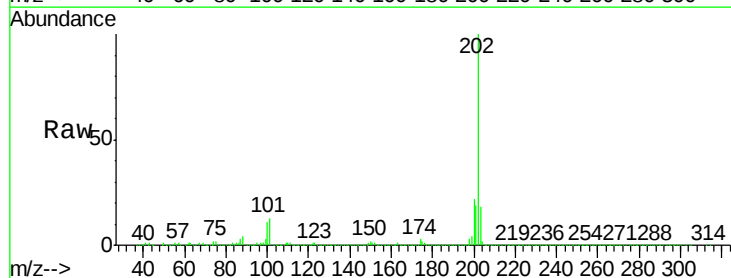
RT: 12.77 min Scan# 1817

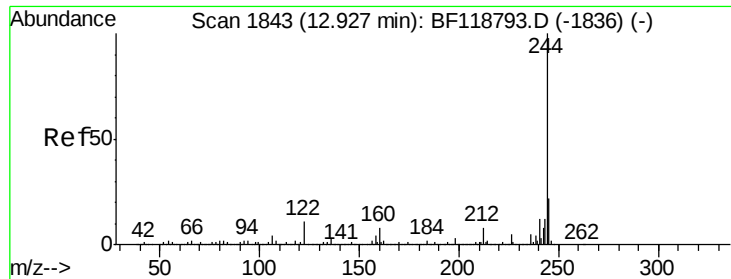
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion:	202	Resp:	2238596
Ion Ratio	Lower	Upper	
202	100		
200	22.3	18.2	27.2
203	18.5	14.8	22.2





#79

Terphenyl-d14

Concen: 87.610 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

ClientSampleId :

SP-3MSD

Tot Ion:244 Resp: 3195518

Ion Ratio Lower Upper

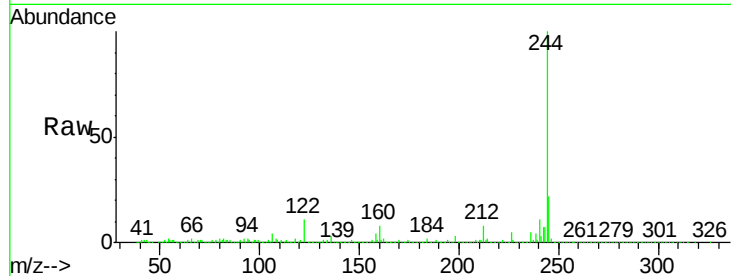
244 100

212 8.0 6.5 9.7

122 10.8 8.9 13.3

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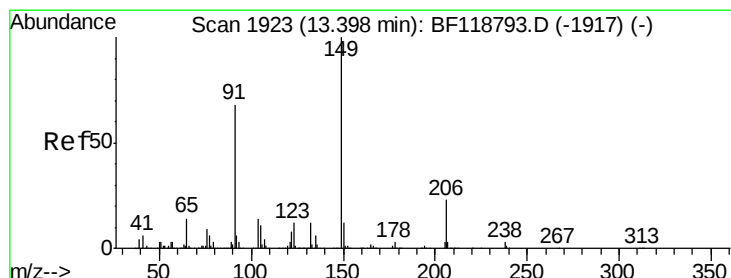
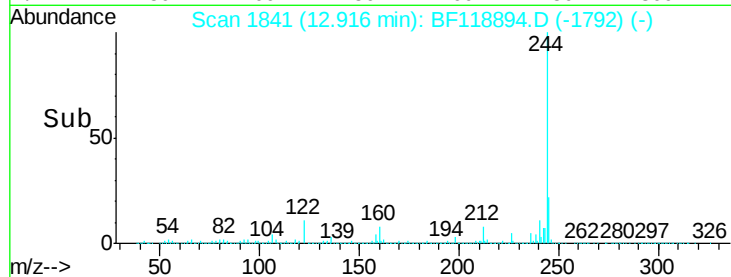
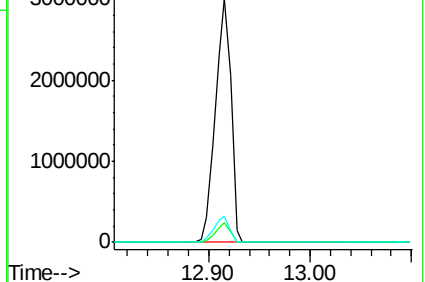
mohammad
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 48.474 ng

RT: 13.39 min Scan# 1922

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

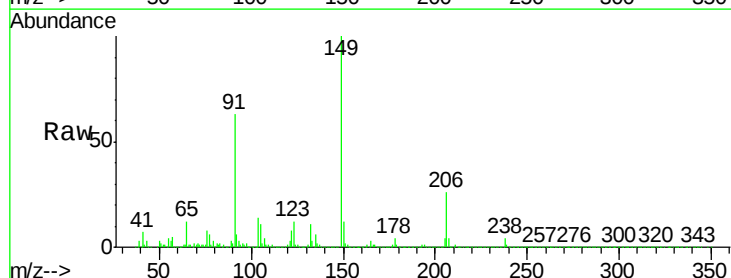
Tgt Ion:149 Resp: 1137142

Ion Ratio Lower Upper

149 100

91 63.5 54.7 82.1

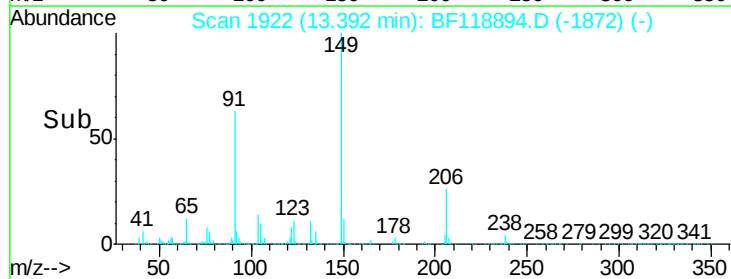
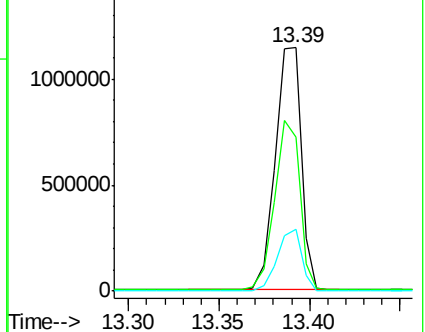
206 25.5 18.5 27.7

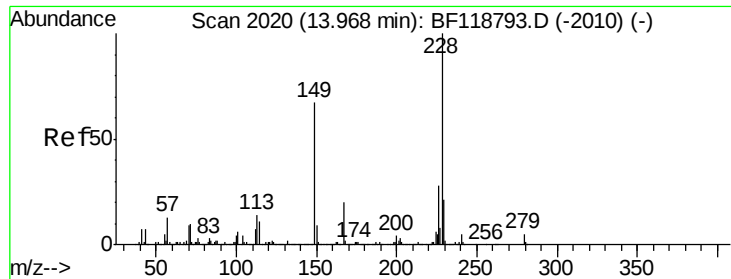


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 45.499 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

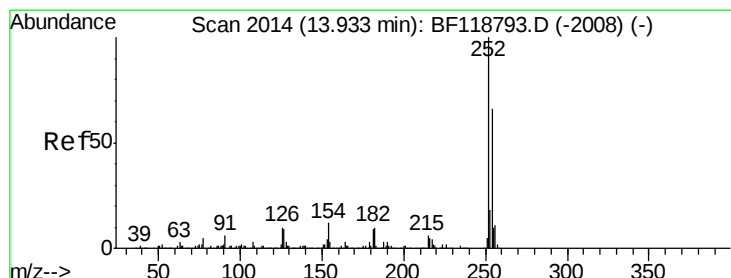
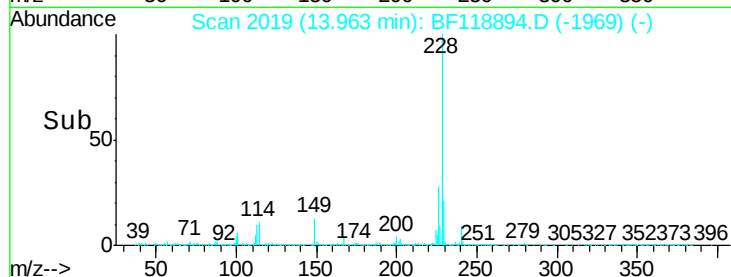
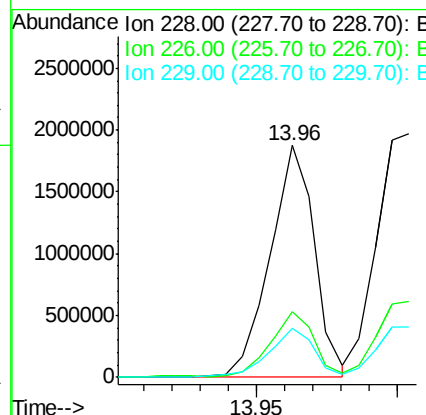
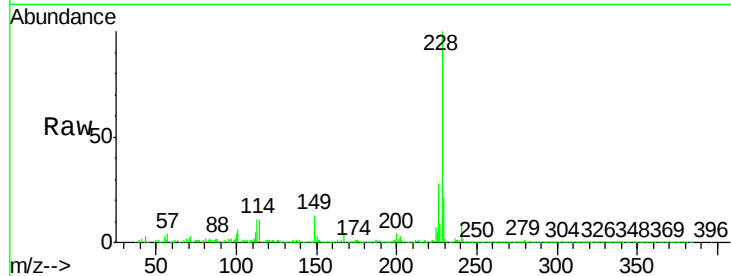
ClientSampleId :

SP-3MSD

Tot Ion	Ion	Ratio	Lower	Upper
228	100			
226	28.4	22.7	34.1	
229	21.3	16.6	25.0	

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#82

3,3'-Dichlorobenzidine

Concen: 31.257 ng

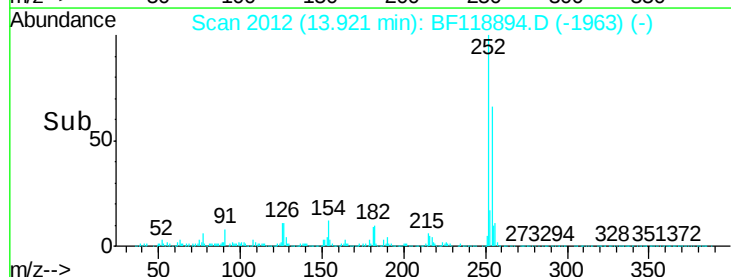
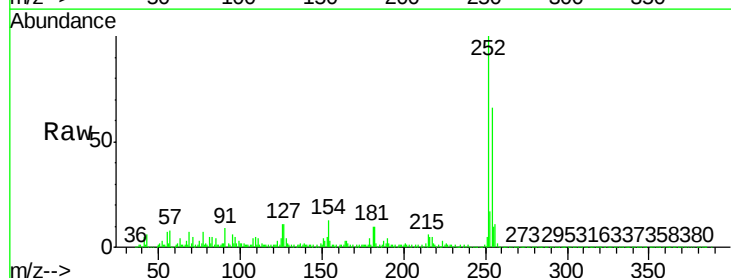
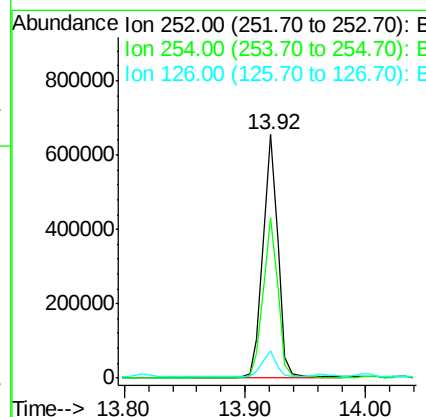
RT: 13.92 min Scan# 2012

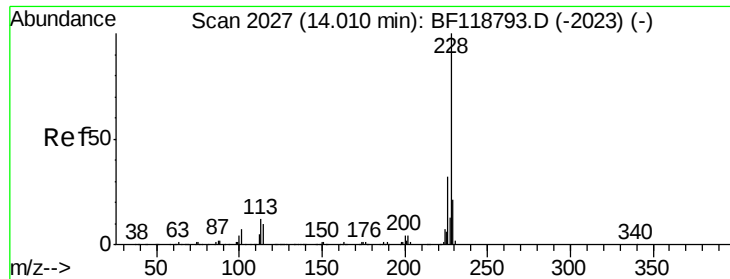
Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Tgt Ion	Ion	Ratio	Lower	Upper
252	100			
254	65.9	52.4	78.6	
126	11.0	7.8	11.8	





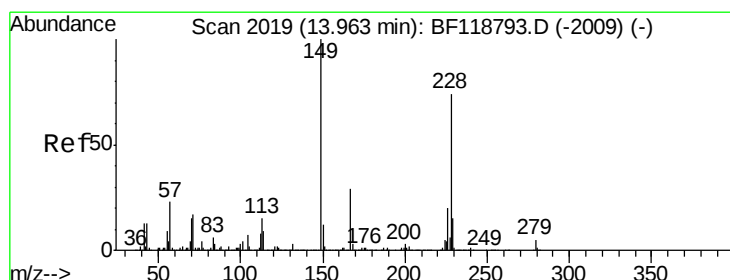
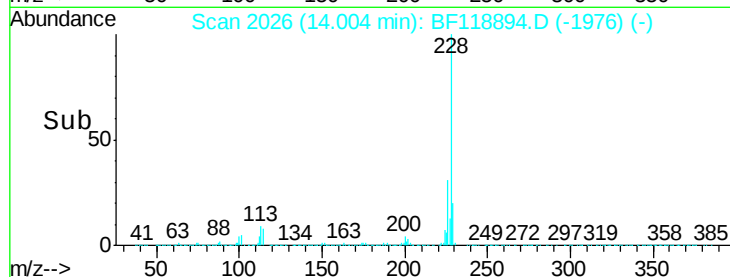
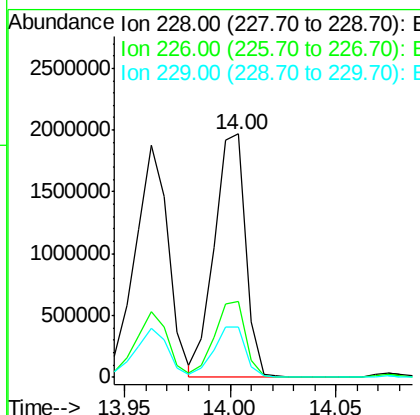
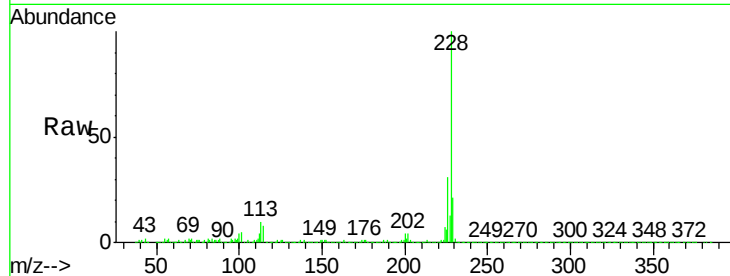
#83
Chrysene
Concen: 45.116 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampled :
SP-3MSD

Tot Ion:228 Resp: 2018681
Ion Ratio Lower Upper
228 100
226 31.3 25.4 38.0
229 20.6 16.9 25.3

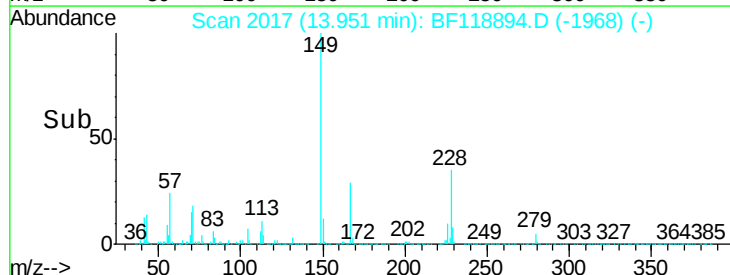
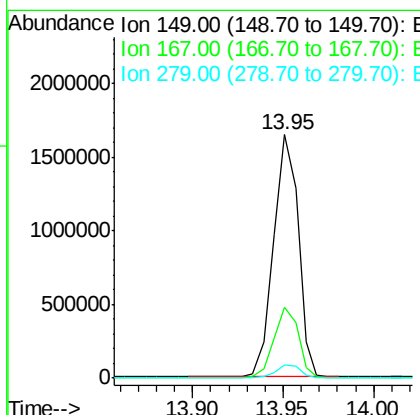
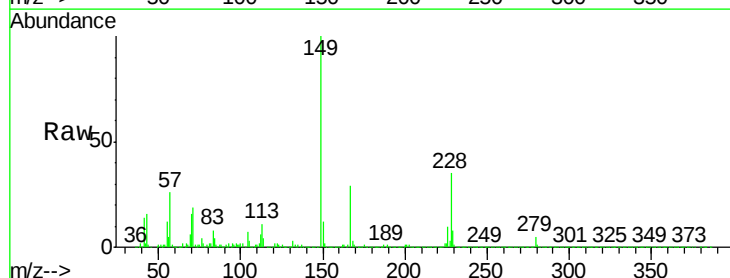
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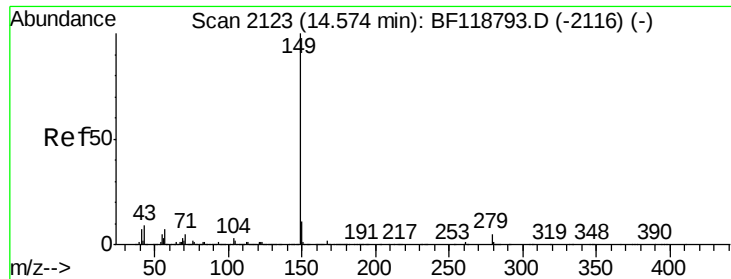
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 52.507 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion:149 Resp: 1562768
Ion Ratio Lower Upper
149 100
167 28.9 23.0 34.6
279 5.2 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 45.022 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BF118894.D

Acq: 11 Feb 2020 20:05

Instrument :

BNA_F

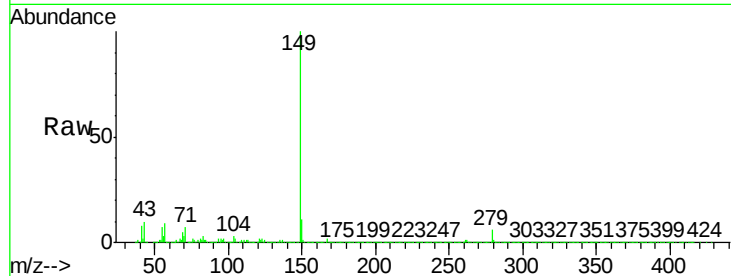
ClientSampleId :

SP-3MSD

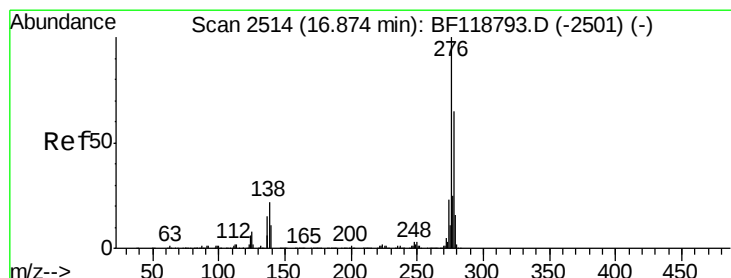
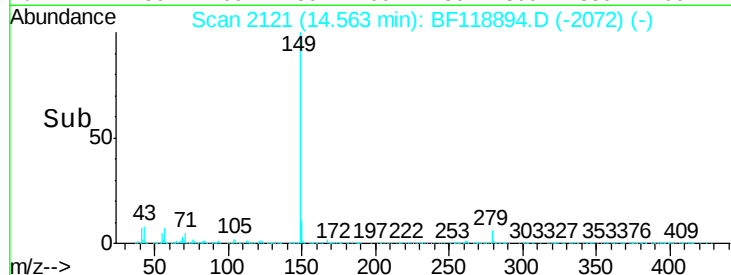
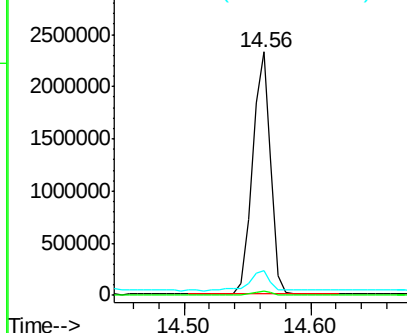
Tot Ion:	149	Resp:	2295584
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.4	2.0
43	9.2	6.6	10.0

Manual Integrations
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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: 49.559 ng

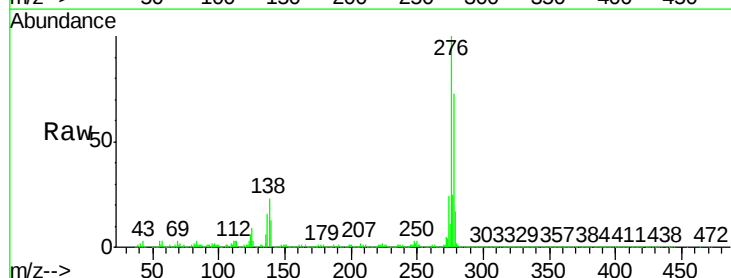
RT: 16.87 min Scan# 2514

Delta R.T. 0.00 min

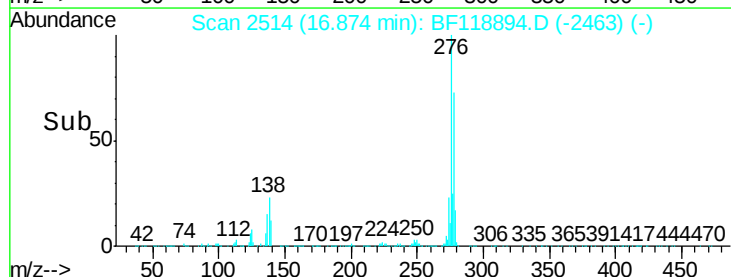
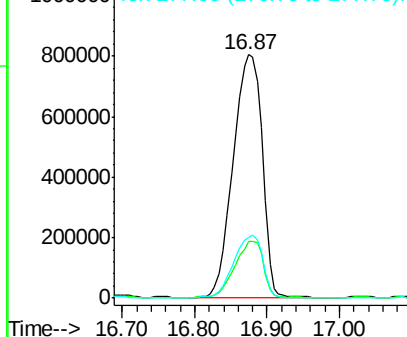
Lab File: BF118894.D

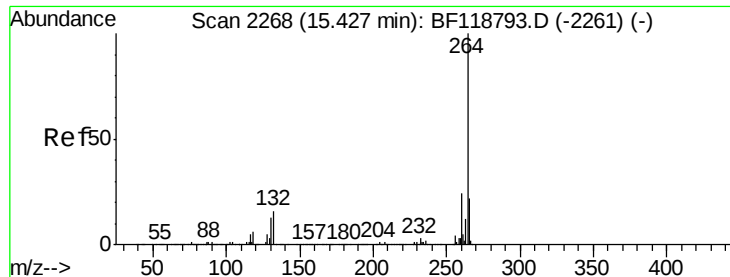
Acq: 11 Feb 2020 20:05

Tgt Ion:	276	Resp:	2227959
Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.3	27.5
277	25.4	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





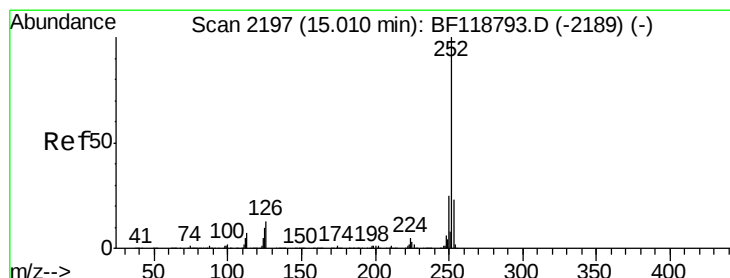
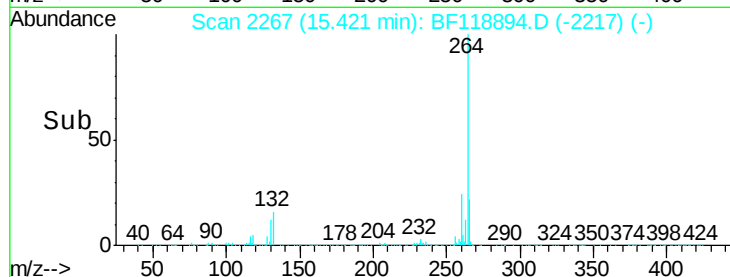
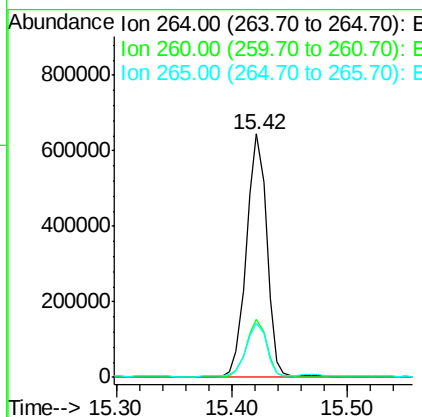
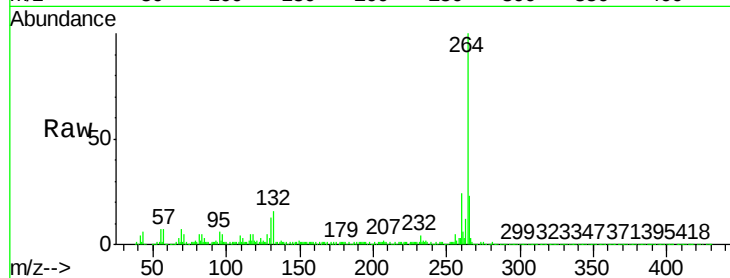
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	22.5	17.2	25.8

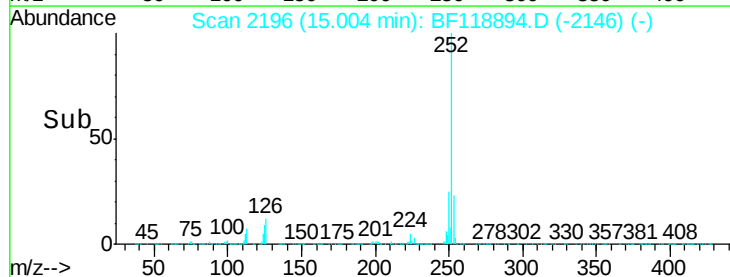
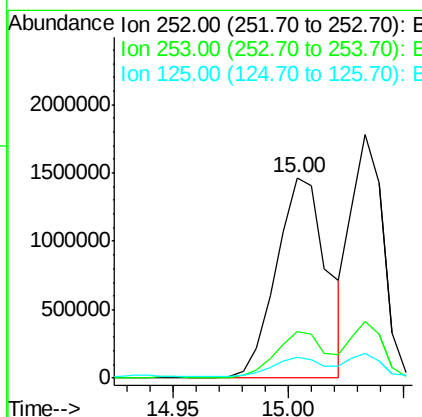
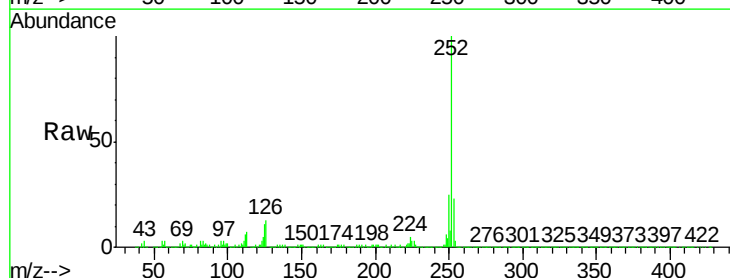
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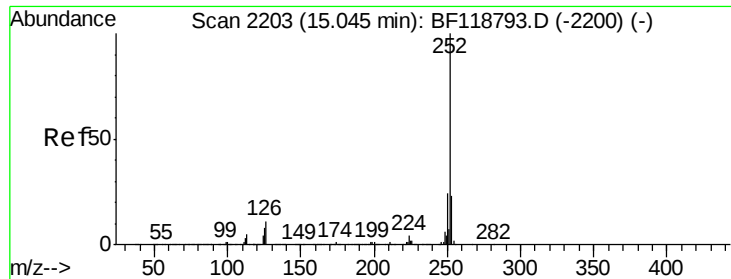
mohammad
2/12/2020 3:51:02 PM



#88
Benzo(b)fluoranthene
Concen: 45.718 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.4	27.6
125	10.6	8.1	12.1





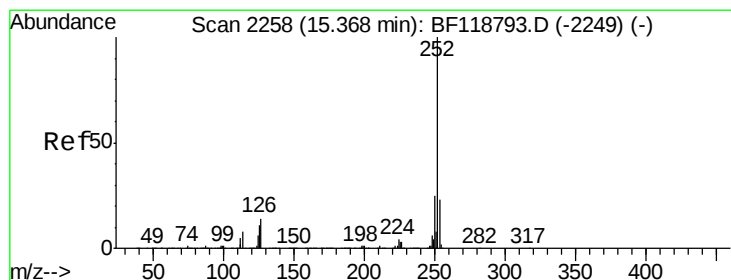
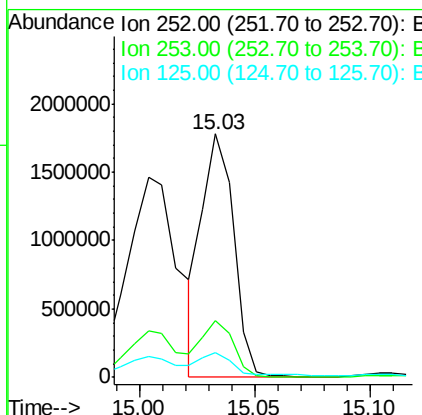
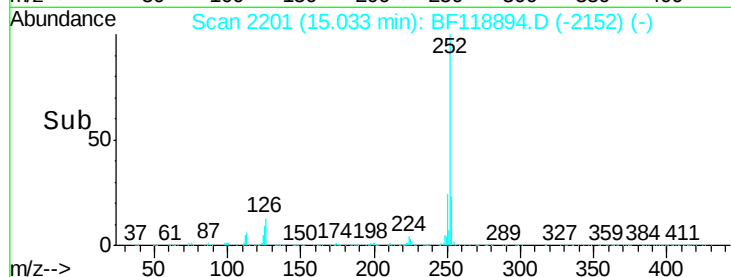
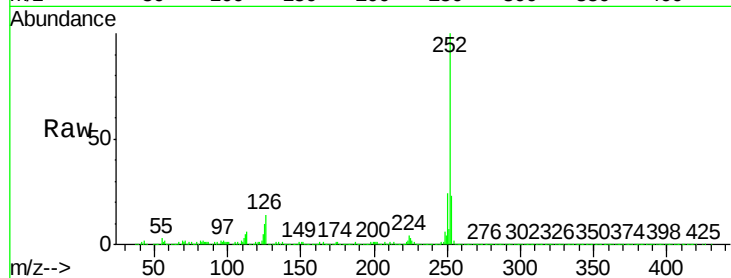
#89
Benzo(k)fluoranthene
Concen: 39.956 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampleId :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	10.1	7.0	10.6

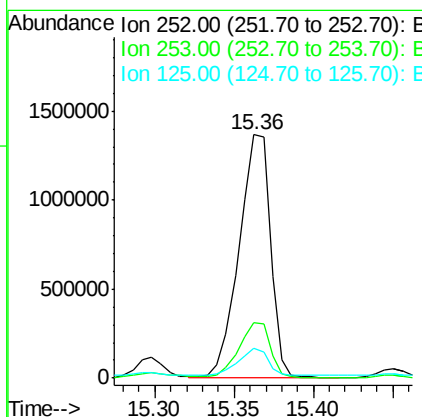
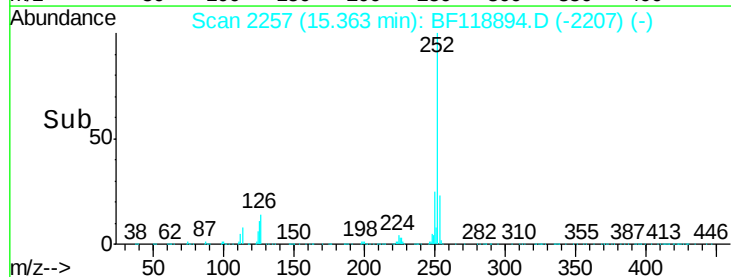
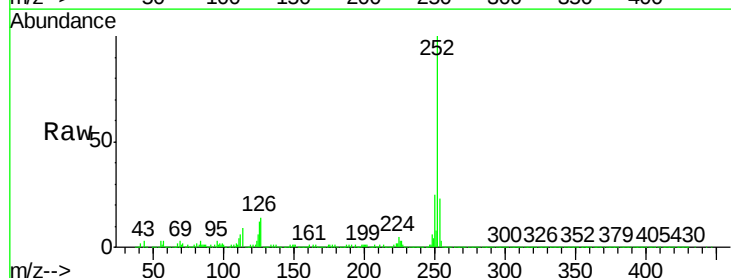
Manual Integrations
APPROVED

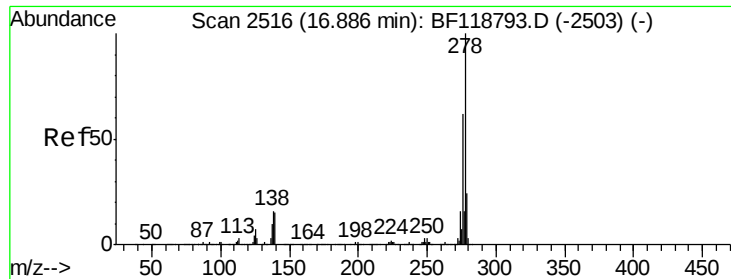
mohammad
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#90
Benzo(a)pyrene
Concen: 45.091 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	12.1	8.7	13.1





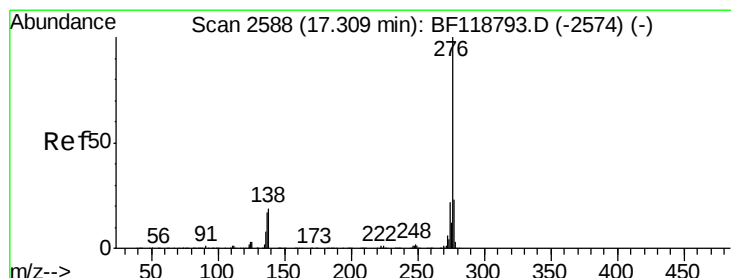
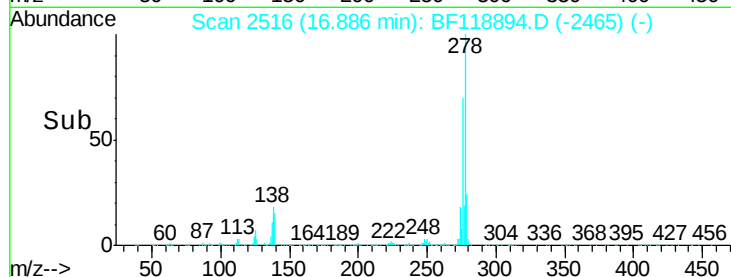
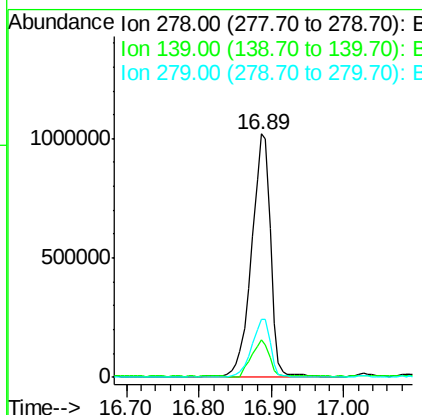
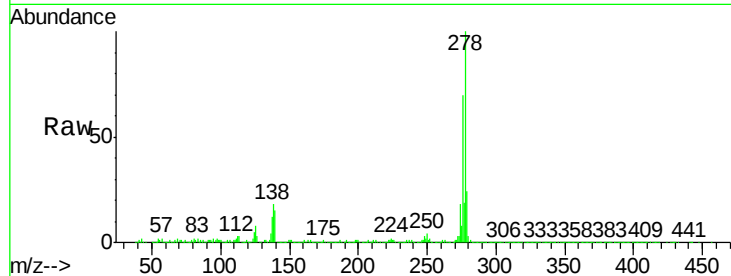
#91
Dibenzo(a,h)anthracene
Concen: 49.591 ng
RT: 16.89 min Scan# 2516
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Instrument :
BNA_F
ClientSampled :
SP-3MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.4	12.3	18.5
279	24.0	19.1	28.7

Manual Integrations
APPROVED

mohammad
2/12/2020 3:51:02 PM



#92
Benzo(g,h,i)perylene
Concen: 50.394 ng
RT: 17.31 min Scan# 2588
Delta R.T. 0.00 min
Lab File: BF118894.D
Acq: 11 Feb 2020 20:05

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.7	28.1
138	20.7	15.4	23.2

