

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021120\
 Data File : BF118893.D
 Acq On : 11 Feb 2020 19:36
 Operator : CG/JU
 Sample : L1484-03MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS

Manual Integrations
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 2/12/2020 3:51:10 PM

Quant Time: Feb 12 07:30:32 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	276613	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	1072059	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	606049	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	1106766	20.00	ng	-0.01
76) Chrysene-d12	13.97	240	685467	20.00	ng	0.00
87) Perylene-d12	15.42	264	776679	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	1719936	117.70	ng	0.00
7) Phenol-d6	6.45	99	2151471	118.60	ng	0.00
23) Nitrobenzene-d5	7.37	82	1428822	79.44	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	774661	106.83	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2640802	77.90	ng	-0.02
79) Terphenyl-d14	12.92	244	2889875	86.60	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.56	88	247923	37.228	ng	99
3) Pyridine	3.32	79	677494	36.637	ng	99
4) n-Nitrosodimethylamine	3.24	42	300224	44.592	ng	97
6) Aniline	6.47	93	619292	26.507	ng	# 40
8) 2-Chlorophenol	6.59	128	771763	47.416	ng	98
9) Benzaldehyde	6.35	77	347276	30.640	ng	98
10) Phenol	6.46	94	902946	44.767	ng	85
11) bis(2-Chloroethyl)ether	6.54	93	745514	48.312	ng	100
12) 1,3-Dichlorobenzene	6.75	146	826076	42.639	ng	100
13) 1,4-Dichlorobenzene	6.82	146	834768	43.196	ng	99
14) 1,2-Dichlorobenzene	6.98	146	773295	41.889	ng	99
15) Benzyl Alcohol	6.95	79	638858	45.563	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	834742	44.172	ng	95
17) 2-Methylphenol	7.07	107	618400	45.699	ng	98
18) Hexachloroethane	7.32	117	291997	42.099	ng	96
19) n-Nitroso-di-n-propylamine	7.22	70	499867	45.037	ng	99
20) 3+4-Methylphenols	7.22	107	745739	43.966	ng	# 86
22) Acetophenone	7.22	105	977724	41.977	ng	97
24) Nitrobenzene	7.39	77	783745	43.619	ng	100
25) Isophorone	7.63	82	1420655	43.949	ng	100
26) 2-Nitrophenol	7.70	139	428007	44.703	ng	99
27) 2,4-Dimethylphenol	7.75	122	662239	50.918	ng	98
28) bis(2-Chloroethoxy)methane	7.84	93	885332	42.238	ng	99
29) 2,4-Dichlorophenol	7.95	162	683239	43.866	ng	100
30) 1,2,4-Trichlorobenzene	8.03	180	751422	41.274	ng	99
31) Naphthalene	8.11	128	2170230	44.262	ng	100
32) Benzoic acid	7.89	122	456554	42.398	ng	98
33) 4-Chloroaniline	8.16	127	328978	14.997	ng	99
34) Hexachlorobutadiene	8.23	225	440000	39.448	ng	99
35) Caprolactam	8.53	113	229669m	45.485	ng	
36) 4-Chloro-3-methylphenol	8.65	107	686324	43.785	ng	99
37) 2-Methylnaphthalene	8.80	142	1494751	43.956	ng	98
38) 1-Methylnaphthalene	8.90	142	1399050	43.734	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	759078	41.500	ng	99

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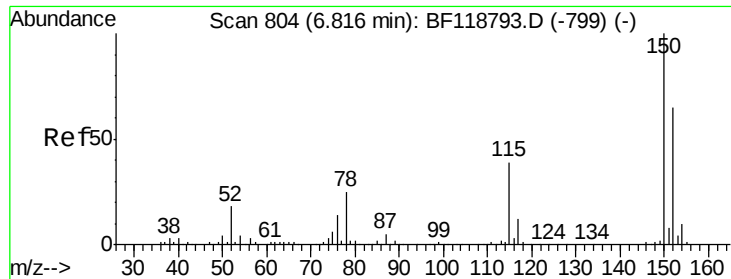
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Quant Time: Feb 12 07:30:32 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	327752	45.698	nq	98
43) 2,4,6-Trichlorophenol	9.08	196	512822	41.927	nq	99
44) 2,4,5-Trichlorophenol	9.13	196	545248	43.628	nq	96
46) 1,1'-Biphenyl	9.26	154	1770198	42.225	nq	99
47) 2-Chloronaphthalene	9.29	162	1446687	41.509	nq	97
48) 2-Nitroaniline	9.39	65	420751	41.857	nq	93
49) Acenaphthylene	9.70	152	2192321	43.566	nq	99
50) Dimethylphthalate	9.57	163	1869570	45.305	nq	99
51) 2,6-Dinitrotoluene	9.63	165	408750	43.290	nq	97
52) Acenaphthene	9.88	154	1342734	40.493	nq	99
53) 3-Nitroaniline	9.79	138	216573	20.682	nq	94
54) 2,4-Dinitrophenol	9.90	184	209127	46.072	nq	97
55) Dibenzofuran	10.05	168	2010092	41.945	nq	99
56) 4-Nitrophenol	9.97	139	608892	80.342	nq	98
57) 2,4-Dinitrotoluene	10.03	165	540464	43.253	nq	# 87
58) Fluorene	10.39	166	1551030	43.021	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.17	232	463108	42.431	nq	99
60) Diethylphthalate	10.27	149	1674614	41.733	nq	99
61) 4-Chlorophenyl-phenylether	10.38	204	805021	41.174	nq	100
62) 4-Nitroaniline	10.41	138	357610	34.102	nq	97
63) Azobenzene	10.55	77	1520981	44.398	nq	98
65) 4,6-Dinitro-2-methylphenol	10.45	198	188741	30.349	nq	96
66) n-Nitrosodiphenylamine	10.50	169	1423318	44.397	nq	99
67) 4-Bromophenyl-phenylether	10.87	248	557250	42.562	nq	95
68) Hexachlorobenzene	10.95	284	613332	40.842	nq	99
69) Atrazine	11.03	200	509668	47.719	nq	99
70) Pentachlorophenol	11.14	266	592367	74.706	nq	99
71) Phenanthrene	11.36	178	2534514	46.544	nq	99
72) Anthracene	11.40	178	2388461	44.090	nq	99
73) Carbazole	11.56	167	2054071	43.205	nq	98
74) Di-n-butylphthalate	11.89	149	2510732	41.457	nq	100
75) Fluoranthene	12.55	202	2601457	43.755	nq	99
77) Benzidine	12.66	184	747271	36.044	nq	99
78) Pyrene	12.77	202	2478376	52.704	nq	100
80) Butylbenzylphthalate	13.39	149	986171	45.946	nq	99
81) Benzo(a)anthracene	13.96	228	1908278	46.784	nq	100
82) 3,3'-Dichlorobenzidine	13.92	252	489790	29.359	nq	99
83) Chrysene	14.00	228	1822274	44.513	nq	100
84) Bis(2-ethylhexyl)phthalate	13.95	149	1285916	47.222	nq	100
85) Di-n-octyl phthalate	14.56	149	1993147	42.725	nq	99
86) Indeno(1,2,3-cd)pyrene	16.87	276	2270278	55.195	nq	100
88) Benzo(b)fluoranthene	15.00	252	2035139	42.228	nq	99
89) Benzo(k)fluoranthene	15.03	252	1820308	43.374	nq	99
90) Benzo(a)pyrene	15.36	252	1846729	44.774	nq	100
91) Dibenzo(a,h)anthracene	16.89	278	1841138	50.284	nq	100
92) Benzo(g,h,i)perylene	17.31	276	1453800	41.286	nq	99

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



#1

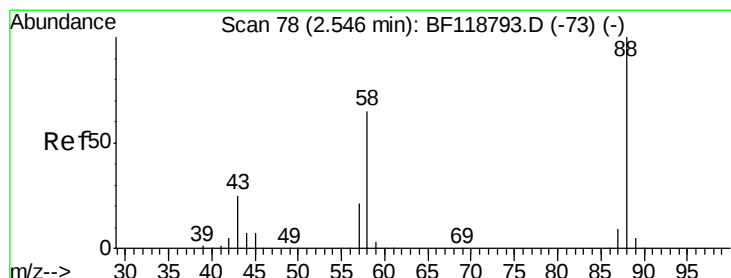
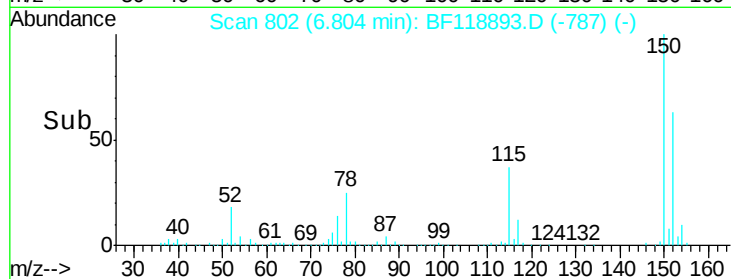
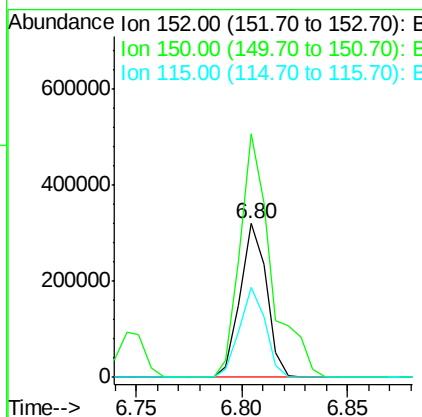
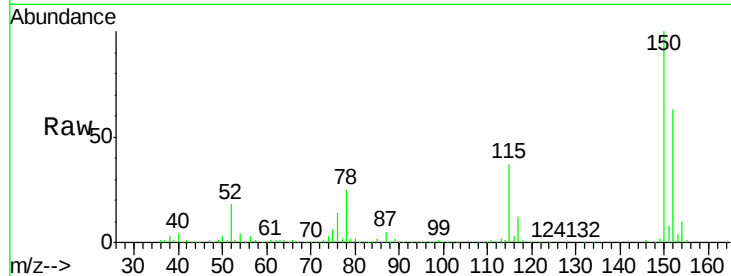
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.6	185.4
115	58.3	48.2	72.2

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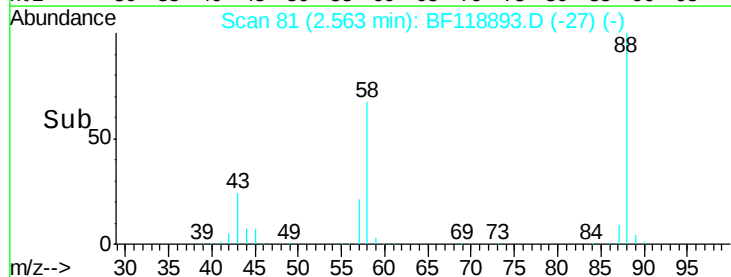
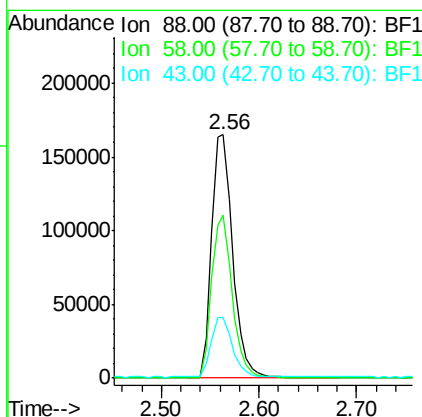
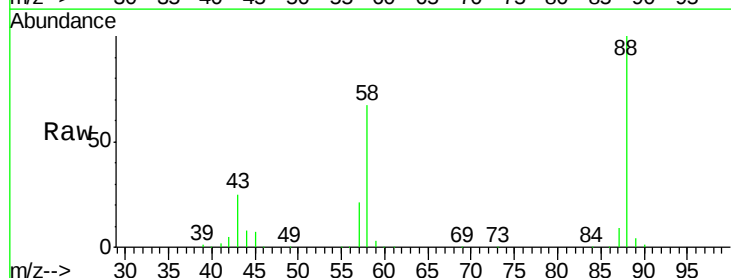
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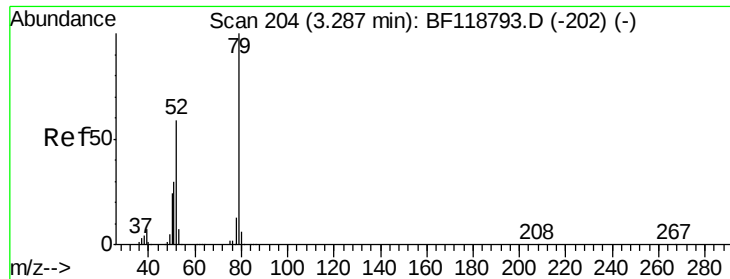


#2

1,4-Dioxane
Concen: 37.228 ng
RT: 2.56 min Scan# 81
Delta R.T. 0.02 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.6	51.6	77.4
43	24.9	19.8	29.6





#3

Pvridine

Concen: 36.637 ng

RT: 3.32 min Scan# 209

Delta R.T. 0.03 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

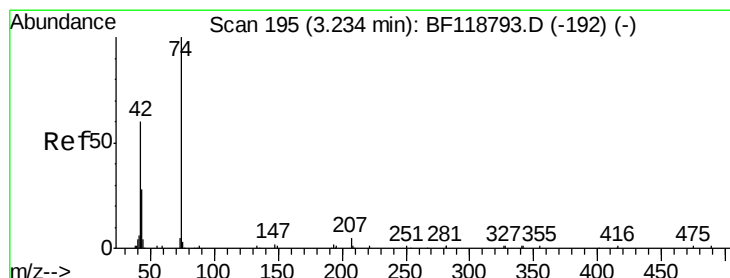
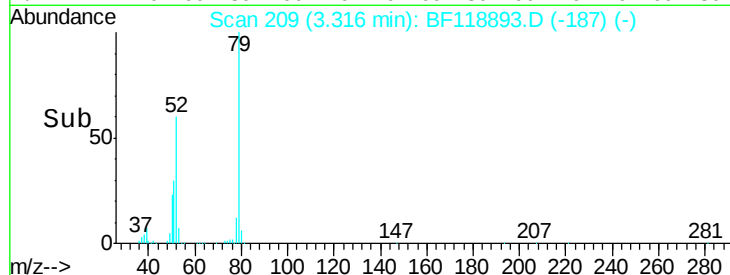
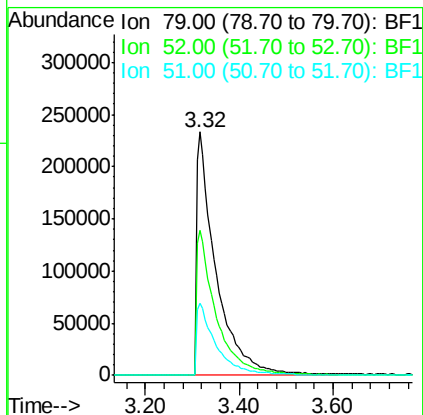
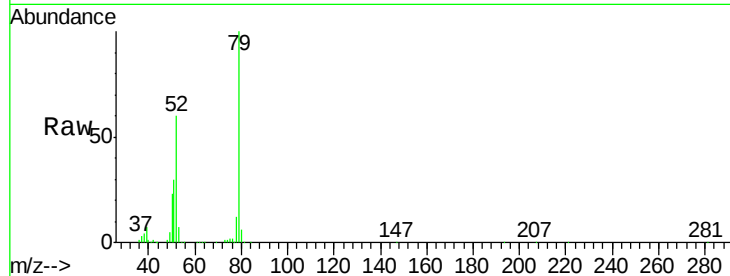
ClientSampleId :

SP-3MS

Tot Ion:	79	Resp:	677494
Ion Ratio	Lower	Upper	
79	100		
52	59.7	47.4	71.0
51	29.8	24.2	36.4

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#4

n-Nitrosodimethylamine

Concen: 44.592 ng

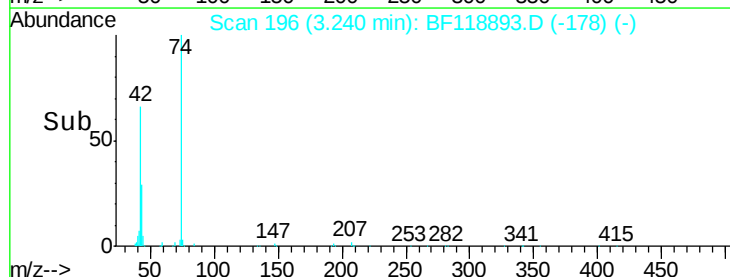
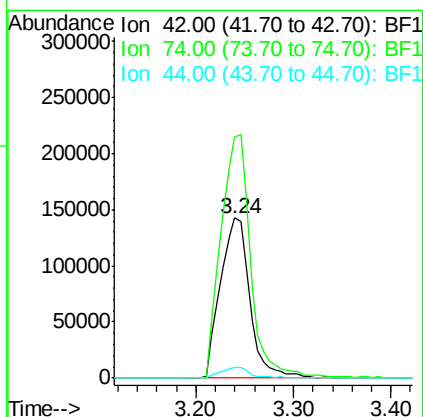
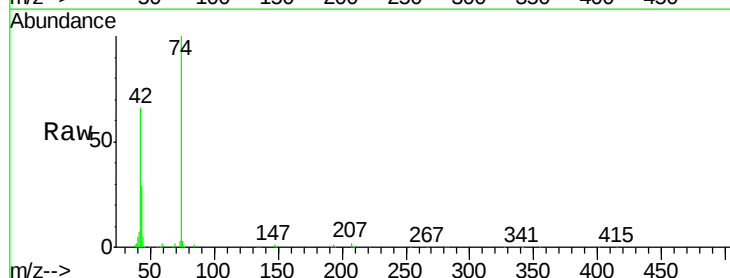
RT: 3.24 min Scan# 196

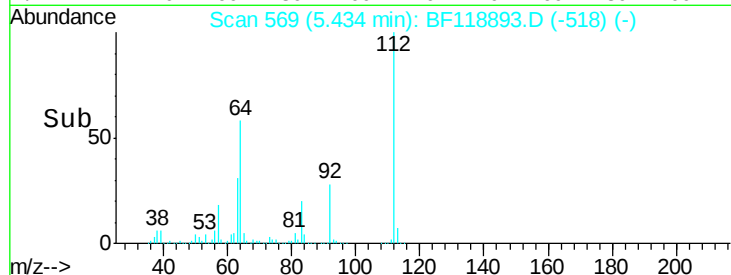
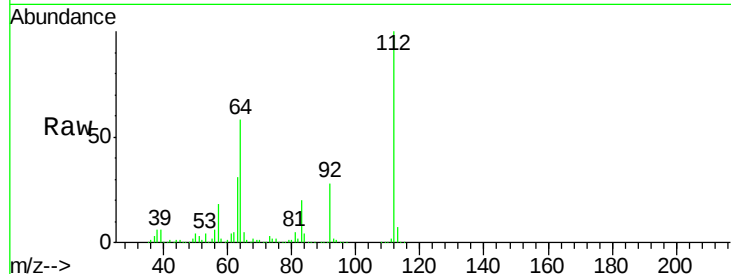
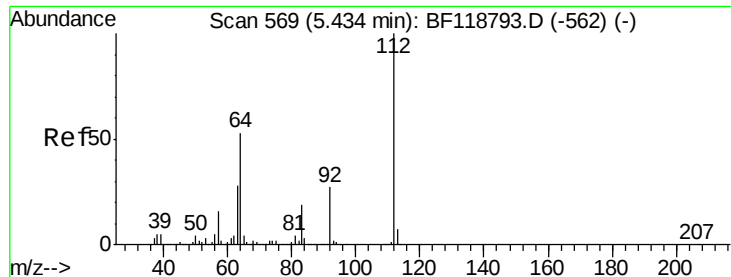
Delta R.T. 0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Tgt Ion:	42	Resp:	300224
Ion Ratio	Lower	Upper	
42	100		
74	151.0	124.3	186.5
44	6.9	5.3	7.9





#5

2-Fluorophenol

Concen: 117.699 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.00 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion: 112 Resp: 1719936

Ion Ratio Lower Upper

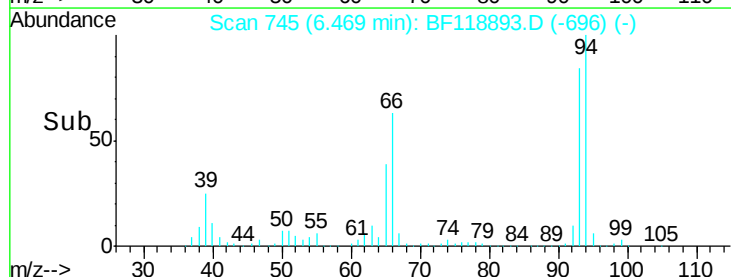
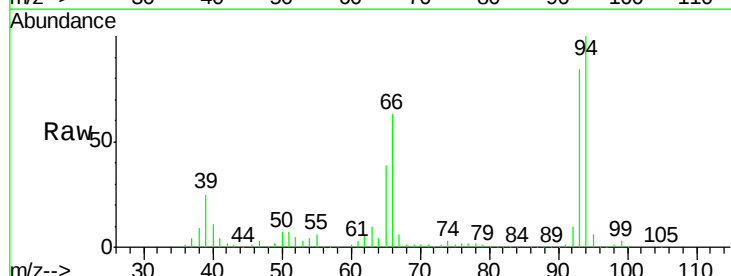
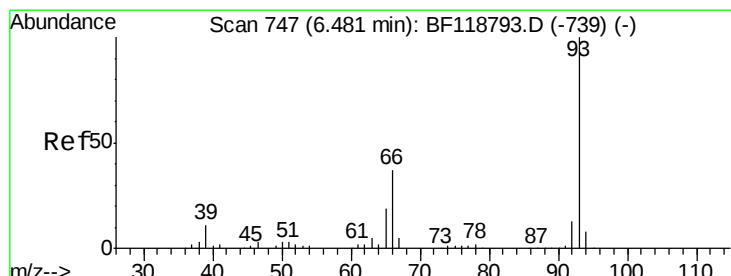
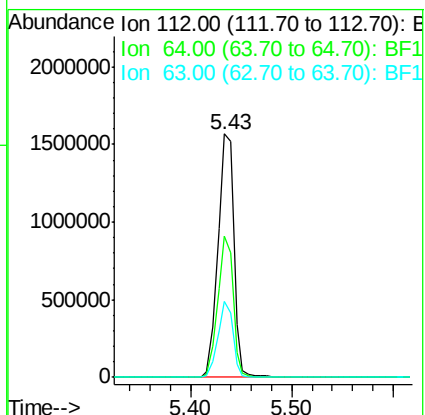
112 100

64 58.1 42.6 63.8

63 31.0 22.2 33.4

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#6

Aniline

Concen: 26.507 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

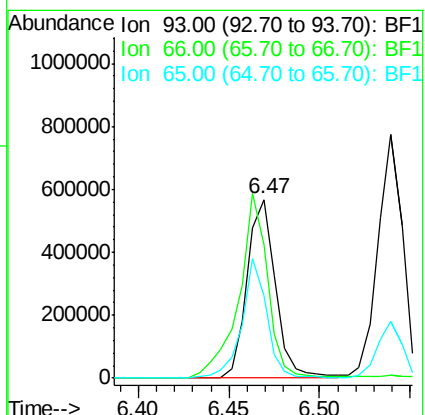
Tgt Ion: 93 Resp: 619292

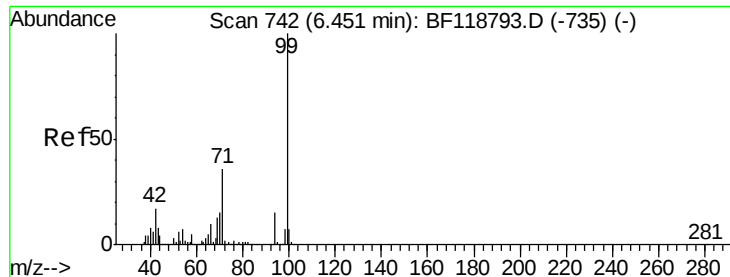
Ion Ratio Lower Upper

93 100

66 74.7 30.8 46.2#

65 46.1 15.4 23.0#





#7

Phenol-d6

Concen: 118.604 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.00 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion: 99 Resp: 2151471

Ion Ratio Lower Upper

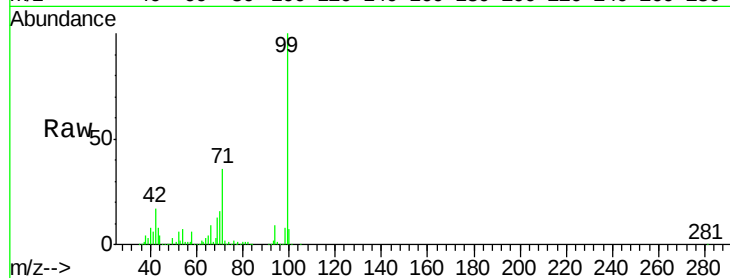
99 100

42 17.1 13.4 20.0

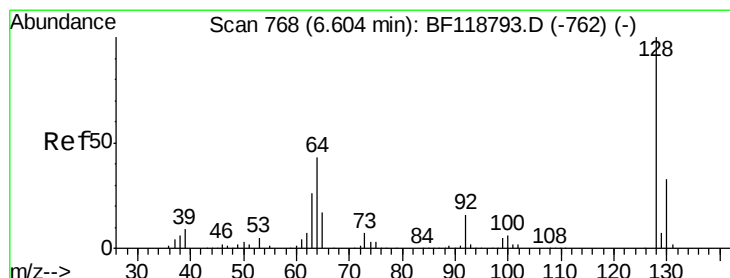
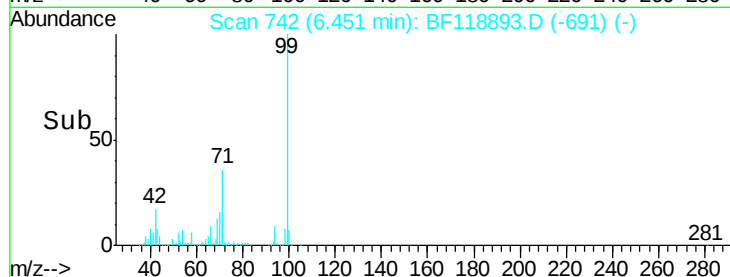
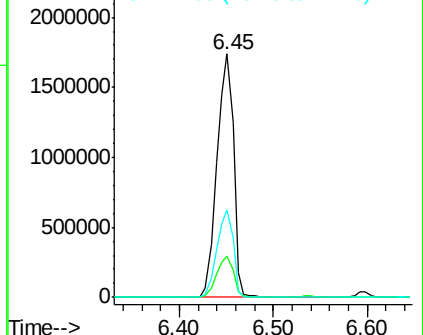
71 36.1 29.0 43.6

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 47.416 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

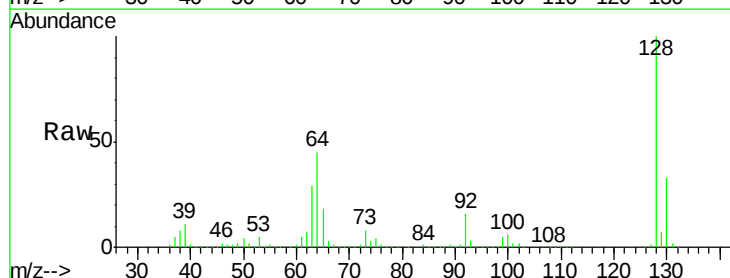
Tgt Ion: 128 Resp: 771763

Ion Ratio Lower Upper

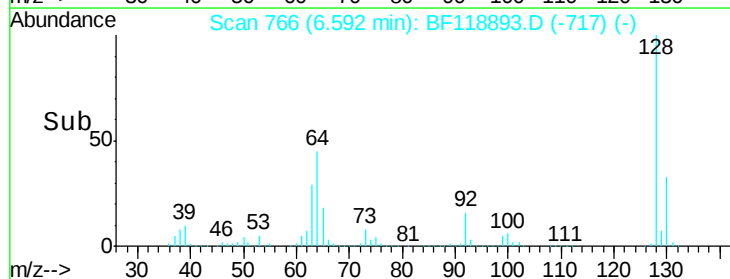
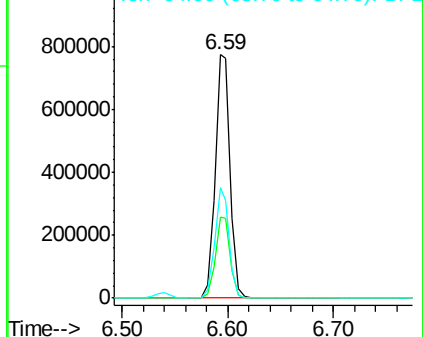
128 100

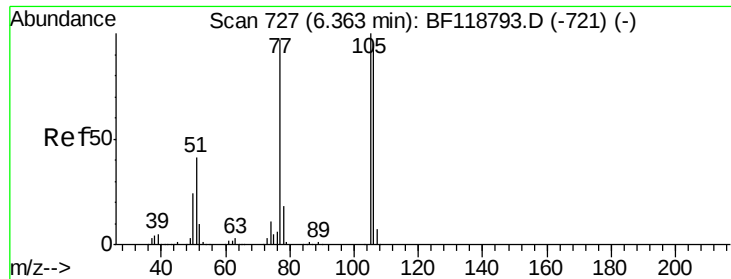
130 33.3 13.1 53.1

64 45.2 23.0 63.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 30.640 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

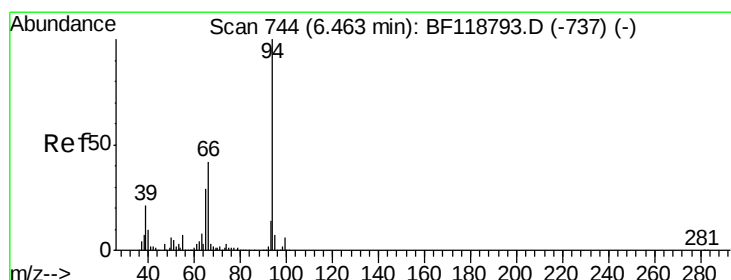
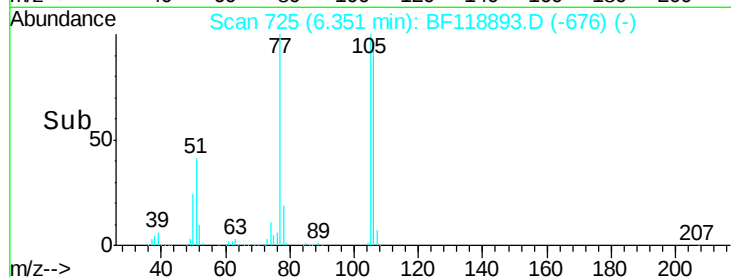
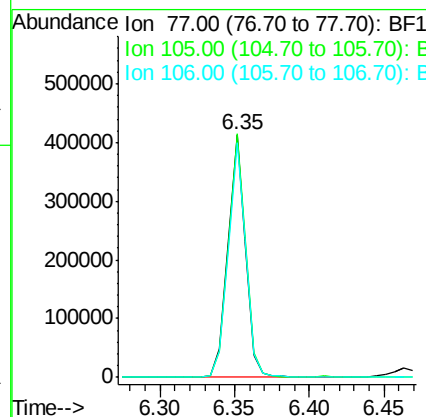
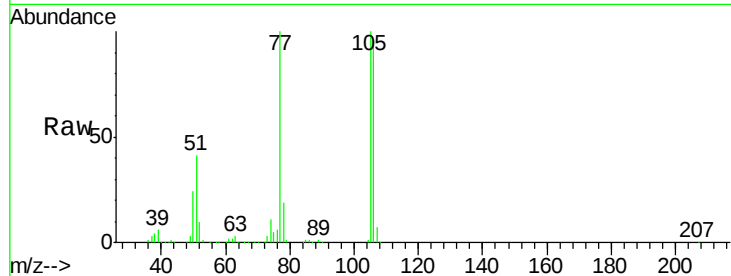
ClientSampleId :

SP-3MS

Tot Ion:	77	Resp:	347276
Ion	Ratio	Lower	Upper
77	100		
105	100.2	82.8	122.8
106	96.4	78.1	118.1

Manual Integrations
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#10

Phenol

Concen: 44.767 ng

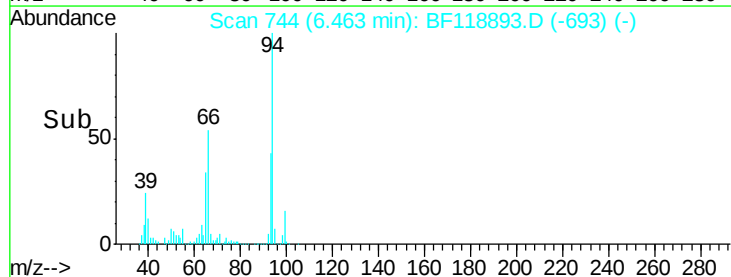
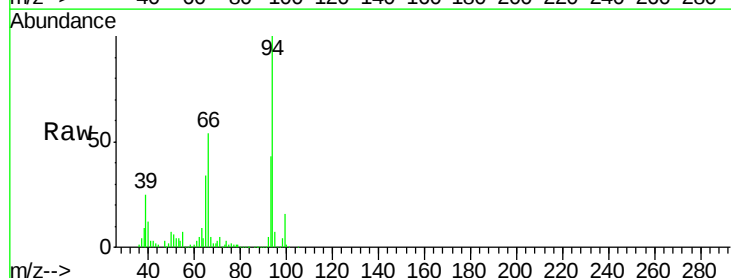
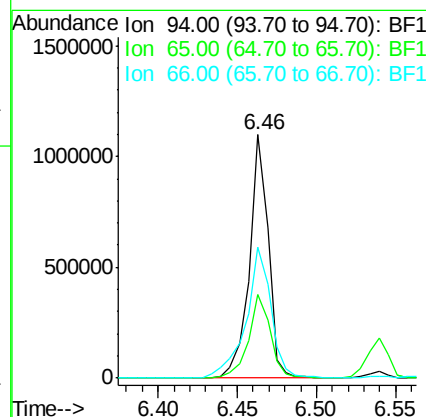
RT: 6.46 min Scan# 744

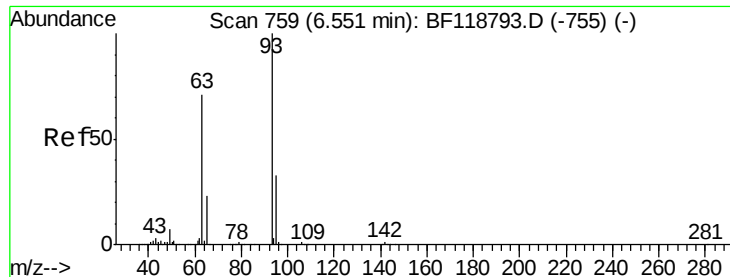
Delta R.T. 0.00 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Tgt Ion:	94	Resp:	902946
Ion	Ratio	Lower	Upper
94	100		
65	34.4	9.1	49.1
66	53.6	21.7	61.7





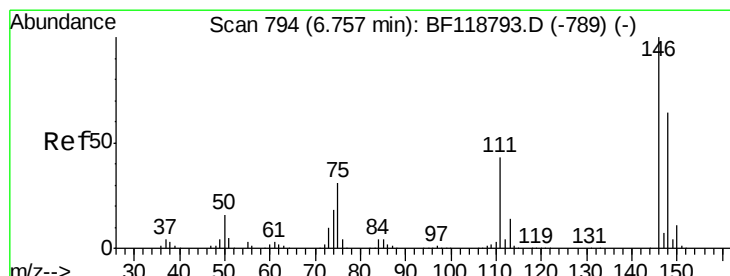
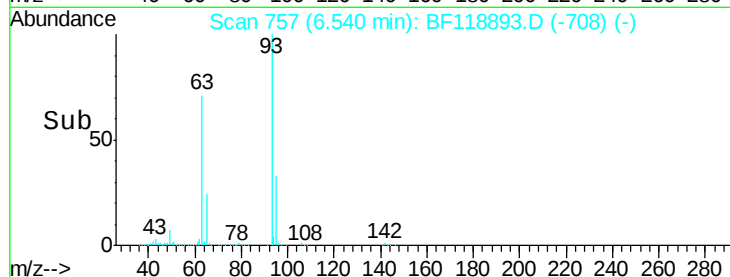
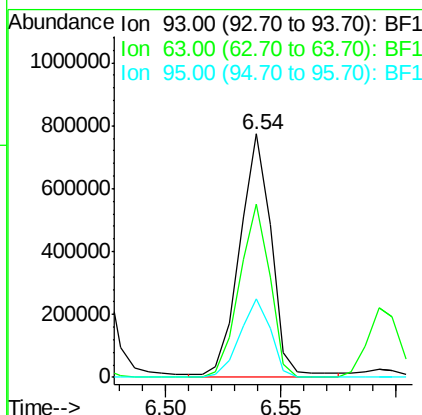
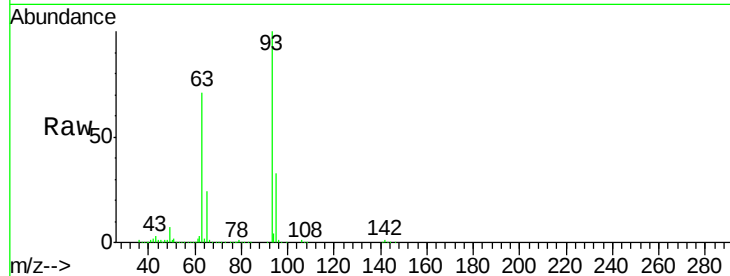
#11
bis(2-Chloroethyl)ether
Concen: 48.312 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion:	93	Resp:	745514
Ion	Ratio	Lower	Upper
93	100		
63	71.0	50.7	90.7
95	32.5	12.6	52.6

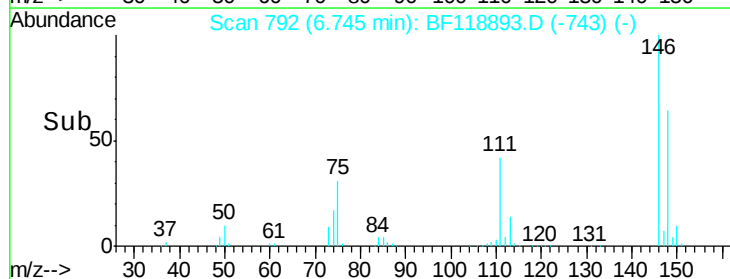
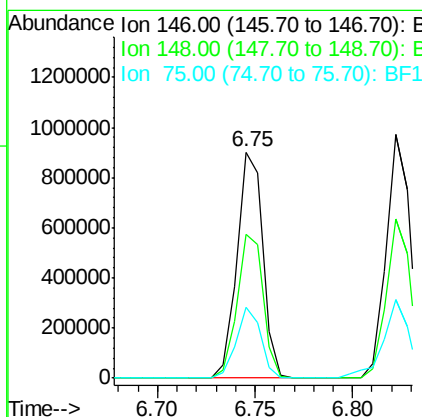
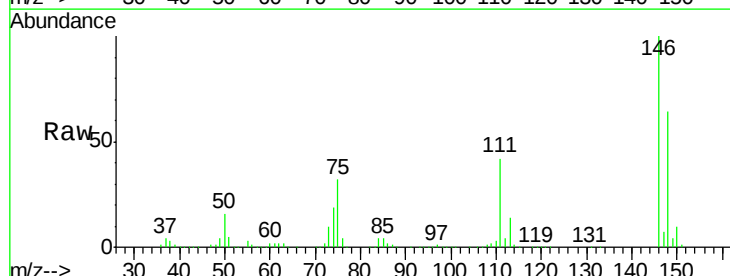
Manual Integrations
APPROVED

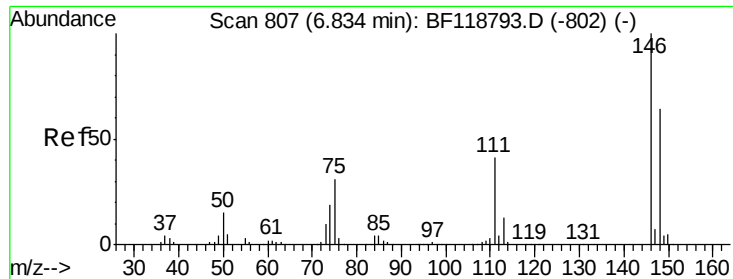
mohammad
2/12/2020 3:51:10 PM



#12
1,3-Dichlorobenzene
Concen: 42.639 ng
RT: 6.75 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion:	146	Resp:	826076
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.1	76.7
75	31.6	25.0	37.4





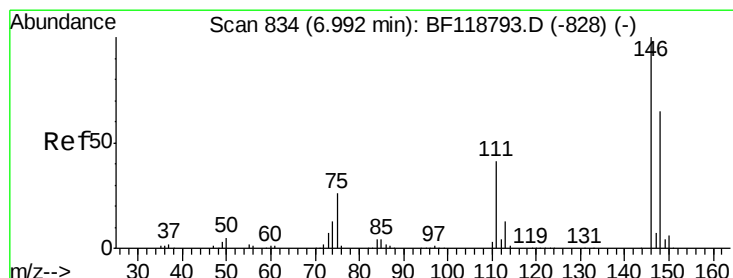
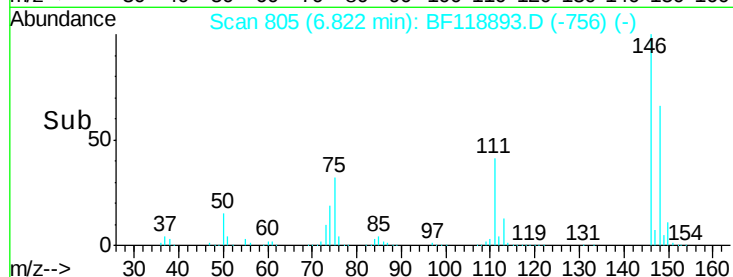
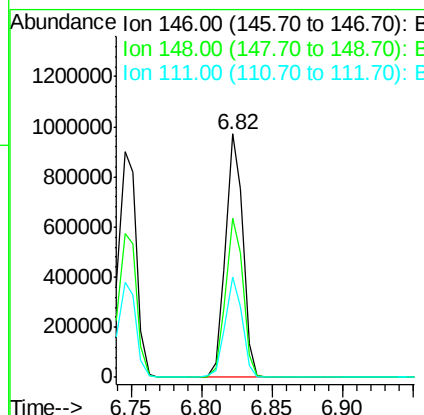
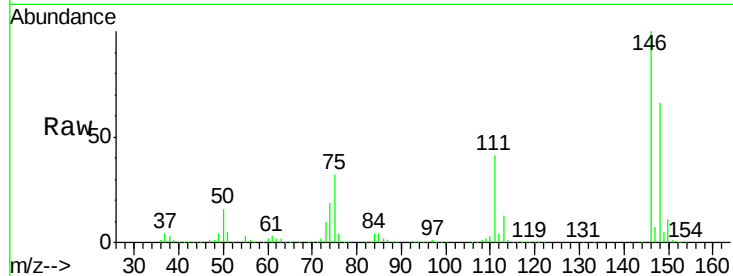
#13
1,4-Dichlorobenzene
Concen: 43.196 ng
RT: 6.82 min Scan# 805
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	65.6	51.6	77.4
111	41.2	32.9	49.3

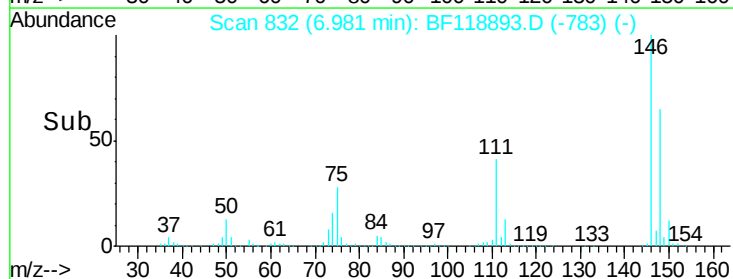
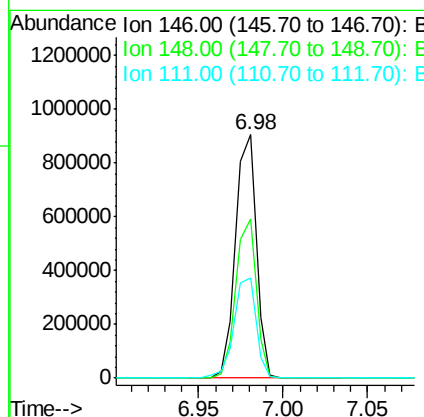
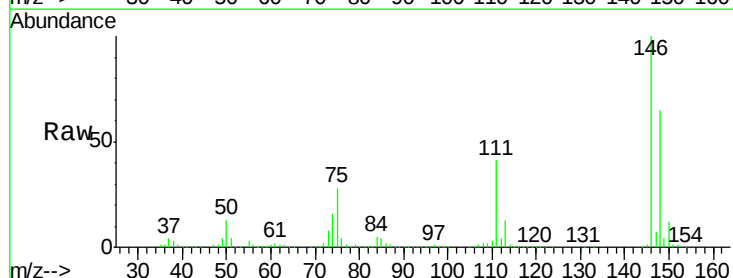
Manual Integrations
APPROVED

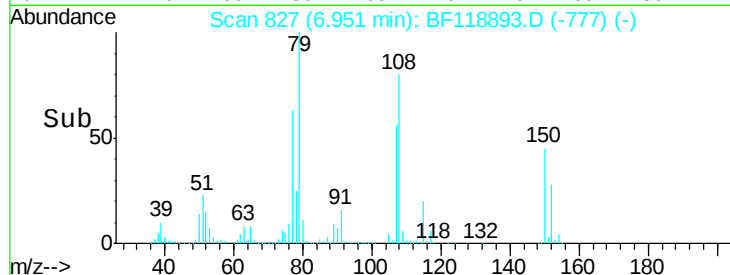
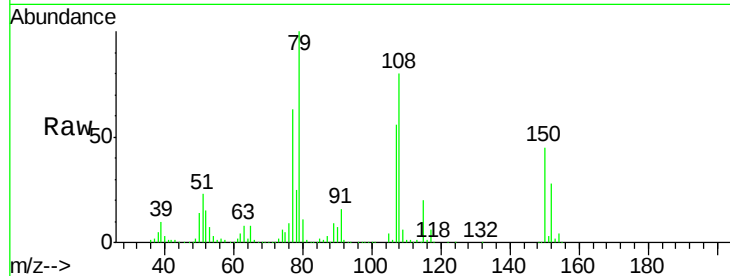
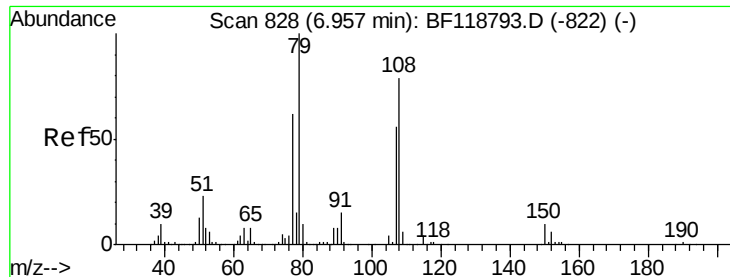
mohammad
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#14
1,2-Dichlorobenzene
Concen: 41.889 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
146	100		
148	65.2	51.6	77.4
111	41.1	32.7	49.1





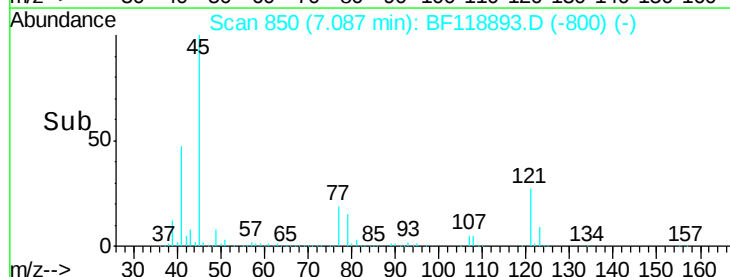
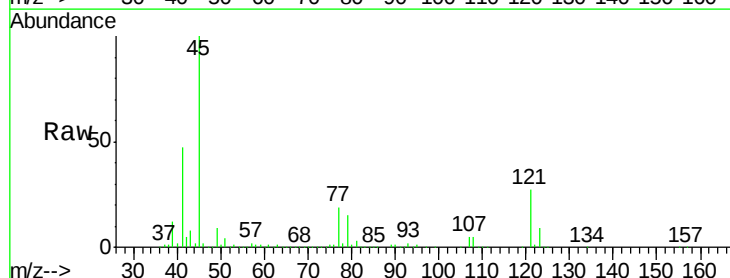
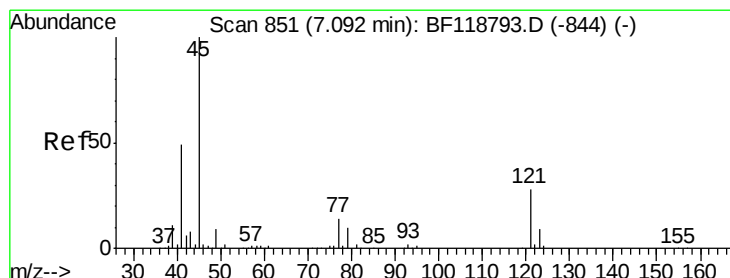
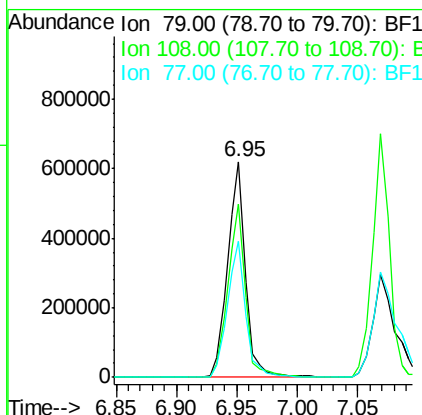
#15
Benzyl Alcohol
Concen: 45.563 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tot Ion	Ratio	Resp	Lower	Upper
79	100	638858		
108	80.1	62.9	94.3	
77	63.2	50.0	75.0	

Instrument :
BNA_F
ClientSampleId :
SP-3MS

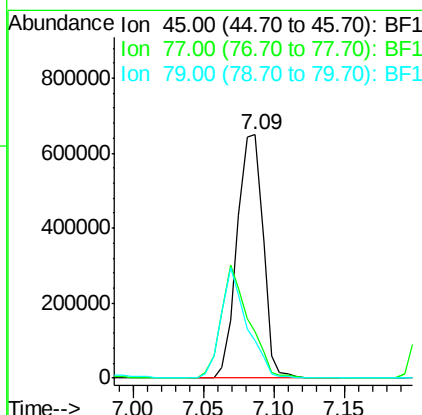
Manual Integrations
APPROVED

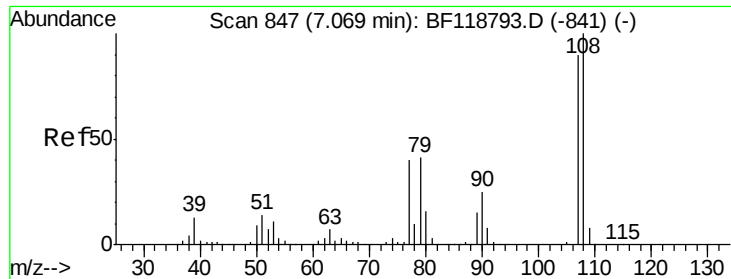
mohammad
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.172 ng
RT: 7.09 min Scan# 850
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	834742		
77	19.1	0.0	37.1	
79	15.3	0.0	33.1	





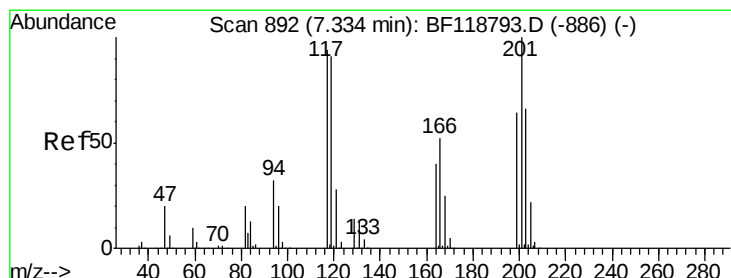
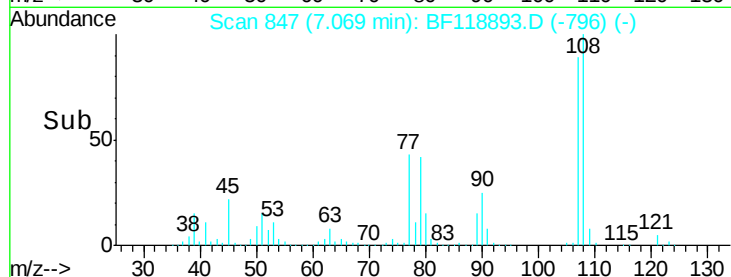
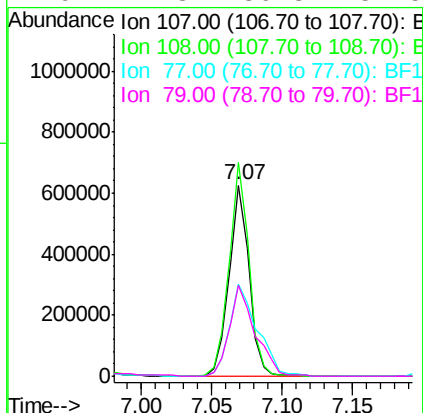
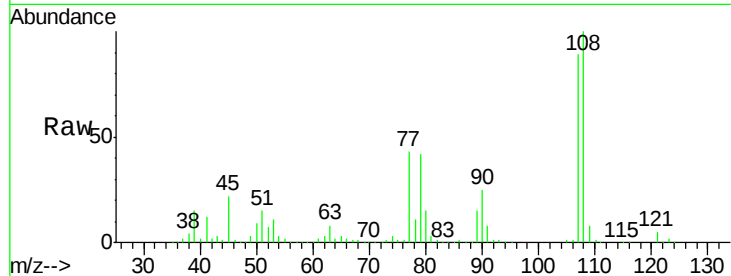
#17
2-Methylphenol
Concen: 45.699 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	107	Resp	618400
Ion Ratio	Lower	Upper	
107	100		
108	111.7	89.3	133.9
77	48.1	36.2	54.2
79	47.3	36.3	54.5

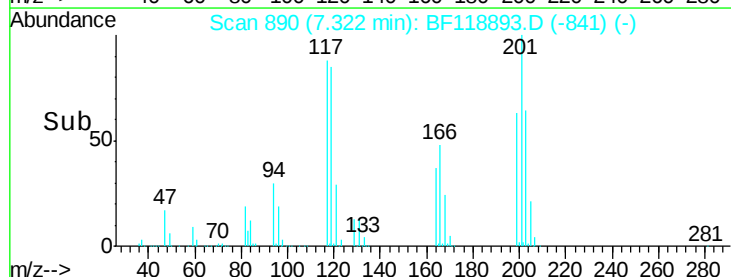
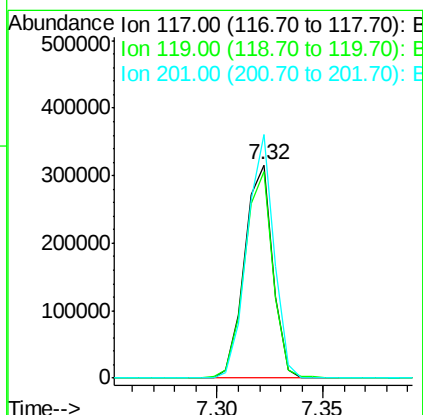
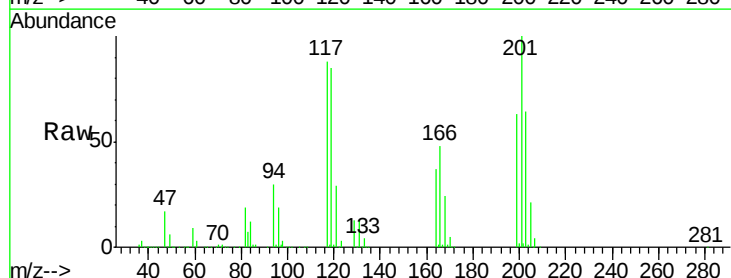
Manual Integrations
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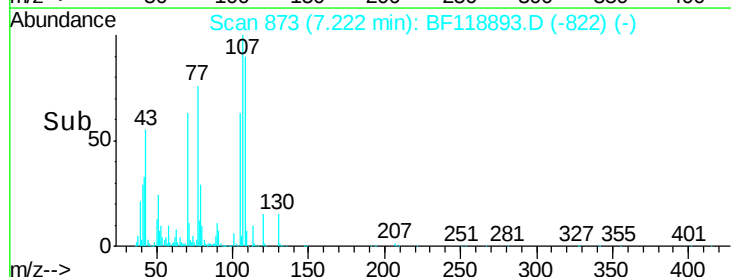
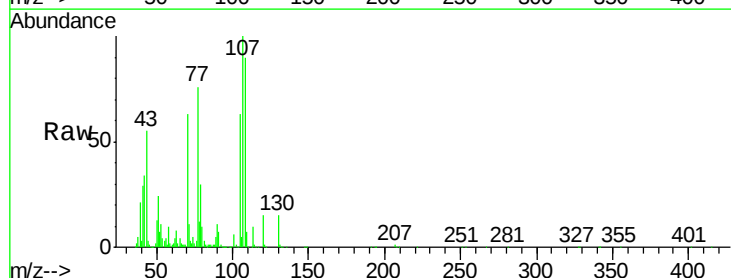
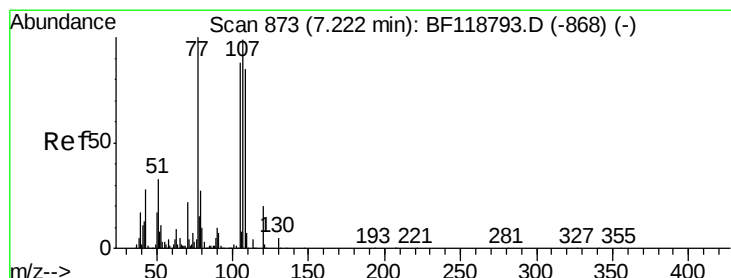
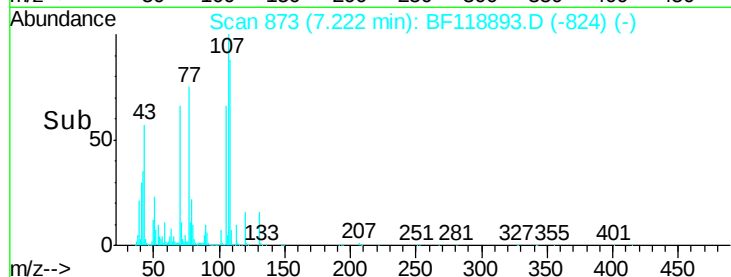
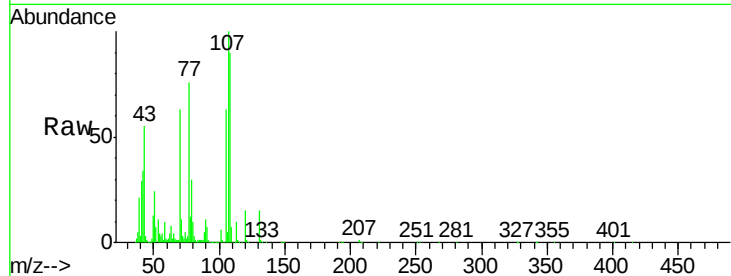
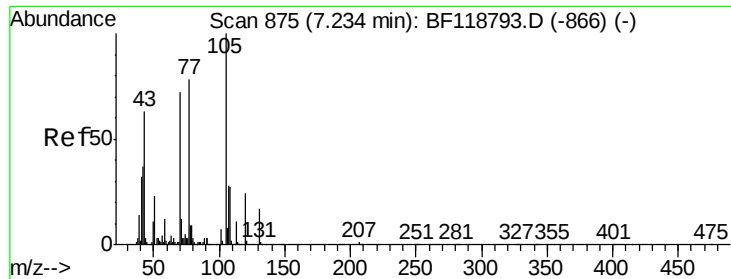
mohammad
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#18
Hexachloroethane
Concen: 42.099 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	117	Resp	291997
Ion Ratio	Lower	Upper	
117	100		
119	97.0	77.4	116.0
201	114.3	85.1	127.7





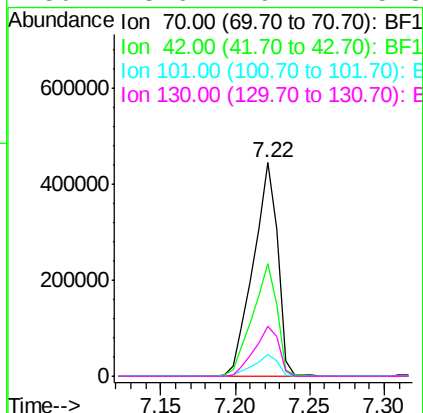
#19
n-Nitroso-di-n-propylamine
Concen: 45.037 ng
RT: 7.22 min Scan# 873
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	53.0	41.5	62.3
101	10.1	8.3	12.5
130	23.6	19.2	28.8

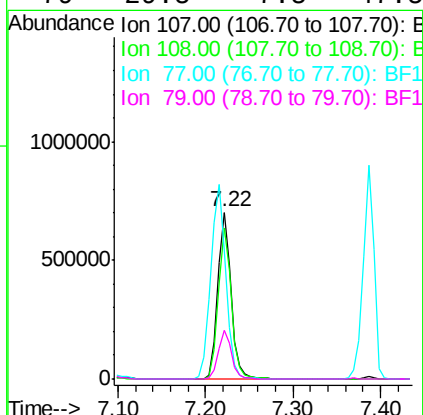
Manual Integrations
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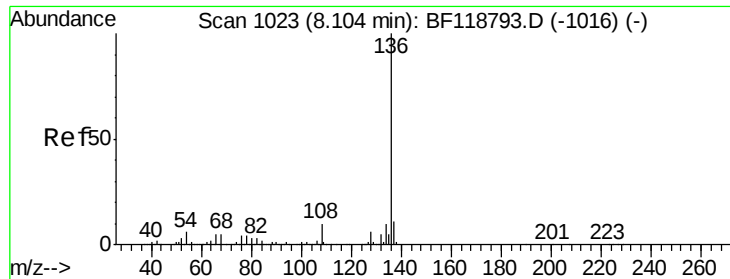
mohammad
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#20
3+4-Methylphenols
Concen: 43.966 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.4	65.9	105.9
77	76.4	80.9	120.9#
79	29.5	7.5	47.5





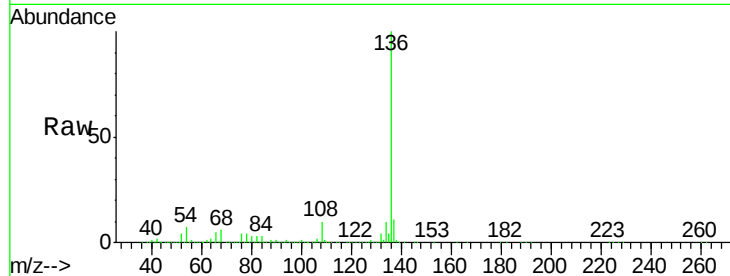
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

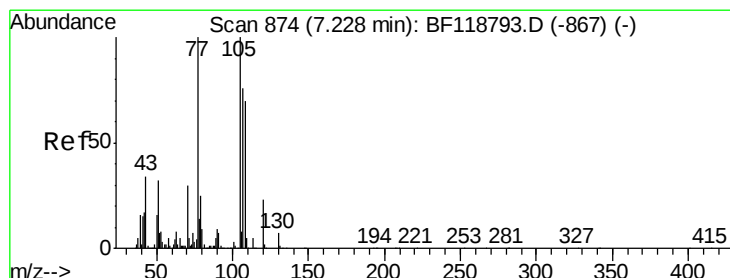
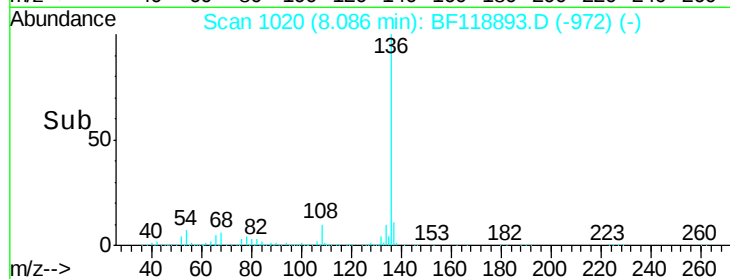
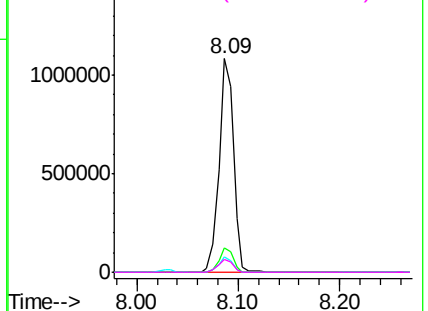
Tot Ion	Ion	Ratio	Lower	Upper
136	100			
137	11.3	8.7	13.1	
54	7.2	5.0	7.6	
68	6.2	4.2	6.4	

Manual Integrations
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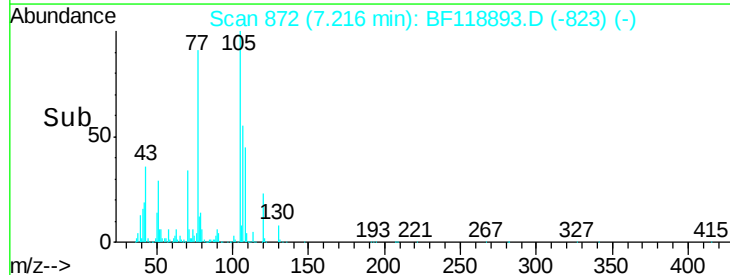
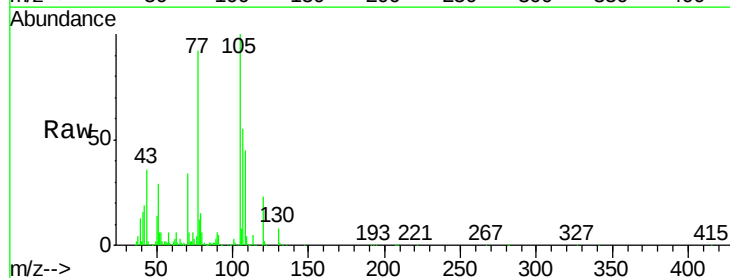
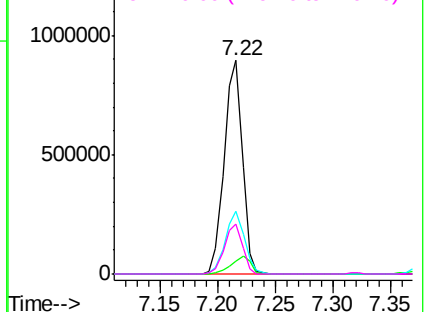
Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

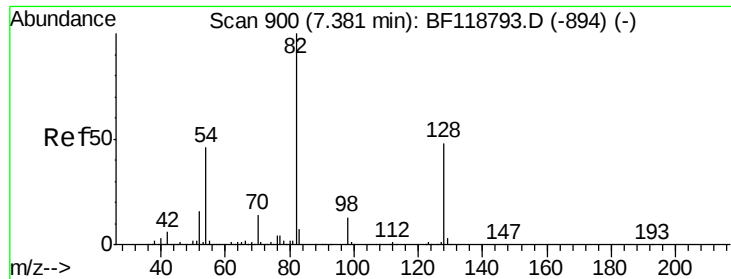


#22
Acetophenone
Concen: 41.977 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
71	5.9	4.2	6.4	
51	29.3	25.5	38.3	
120	23.4	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





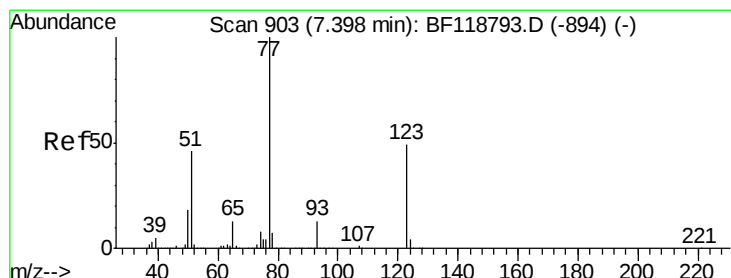
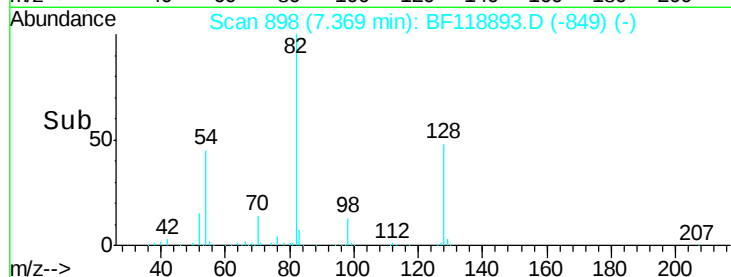
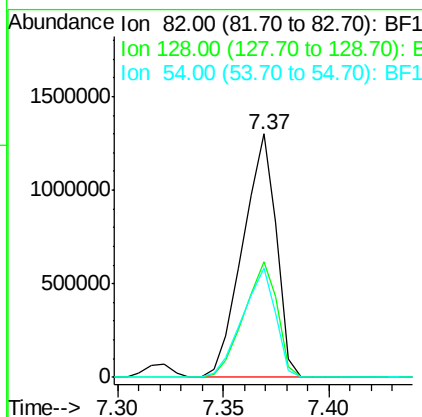
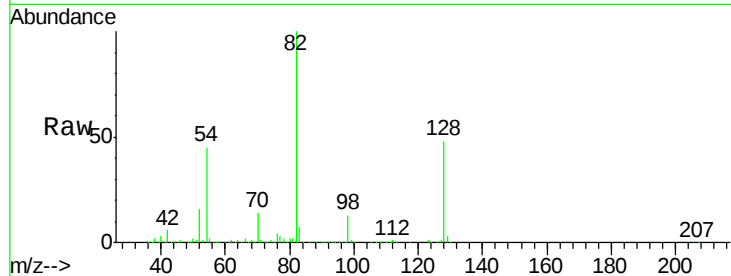
#23
Nitrobenzene-d5
Concen: 79.440 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.7	38.5	57.7
54	45.1	36.7	55.1

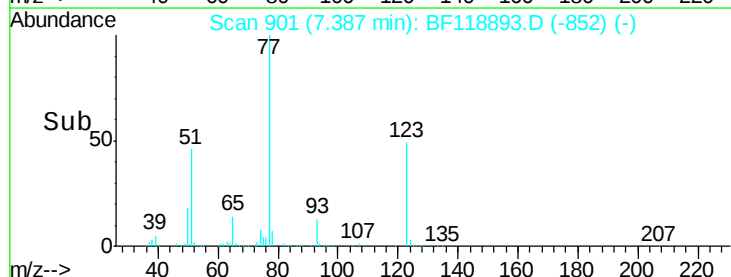
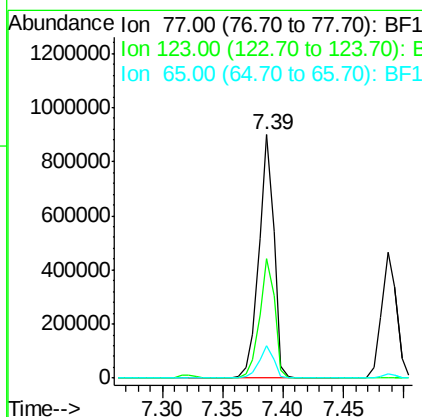
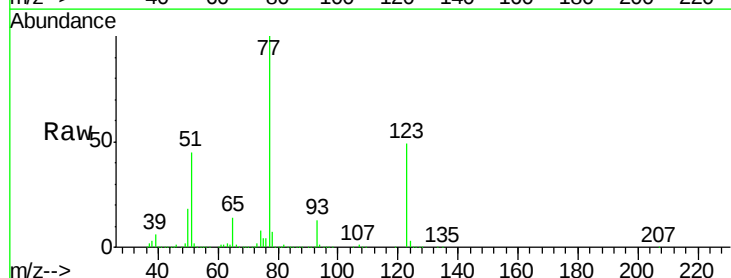
Manual Integrations
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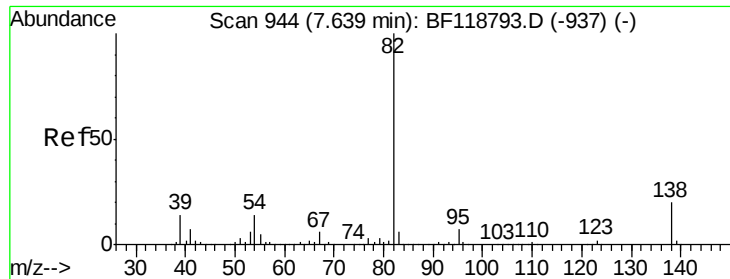
mohammad
2/12/2020 3:51:10 PM



#24
Nitrobenzene
Concen: 43.619 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	48.9	39.0	58.4
65	13.5	10.6	15.8





#25

Isophorone

Concen: 43.949 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion: 82 Resp: 1420655

Ion Ratio Lower Upper

82 100

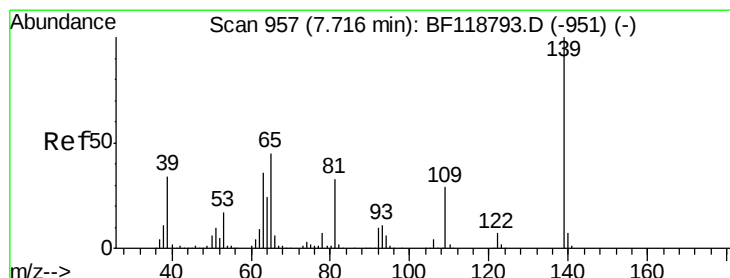
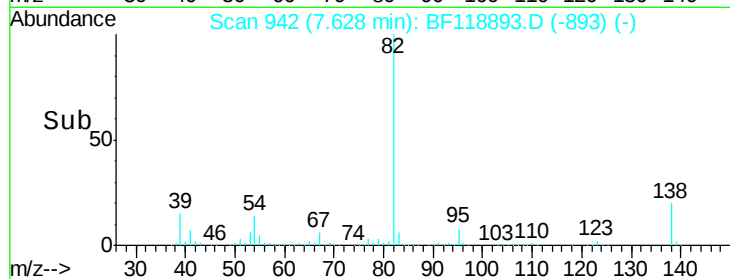
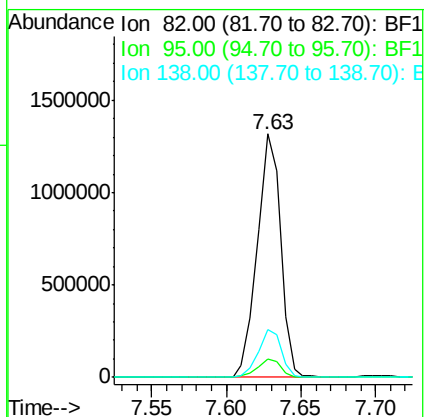
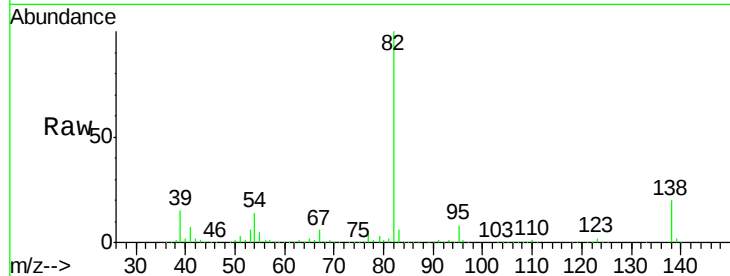
95 7.7 6.0 9.0

138 19.5 15.7 23.5

Manual Integrations
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mohammad

2/12/2020 3:51:10 PM



#26

2-Nitrophenol

Concen: 44.703 ng

RT: 7.70 min Scan# 955

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

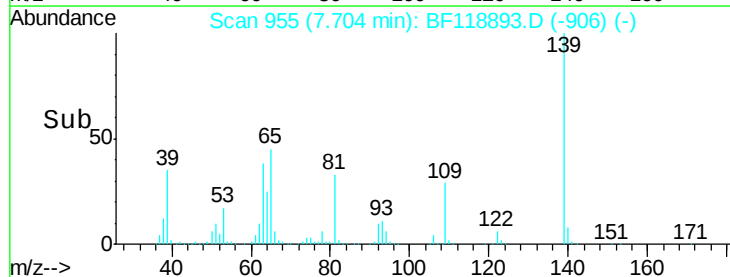
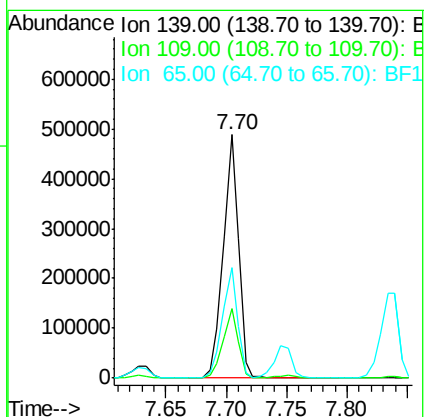
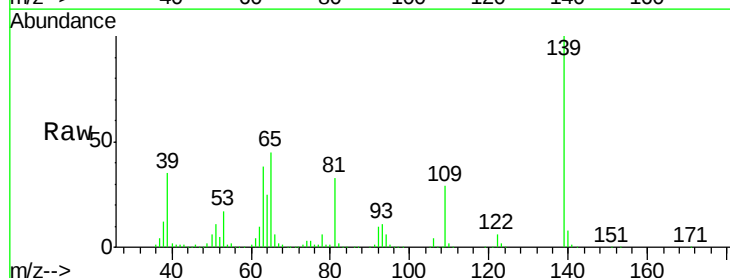
Tgt Ion: 139 Resp: 428007

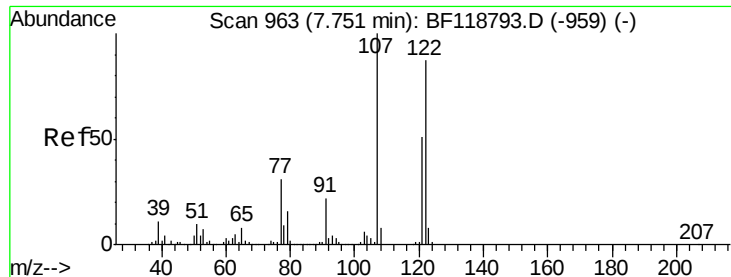
Ion Ratio Lower Upper

139 100

109 28.6 23.4 35.0

65 45.3 36.2 54.2





#27

2,4-Dimethylphenol

Concen: 50.918 ng

RT: 7.75 min Scan# 963

Delta R.T. 0.00 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

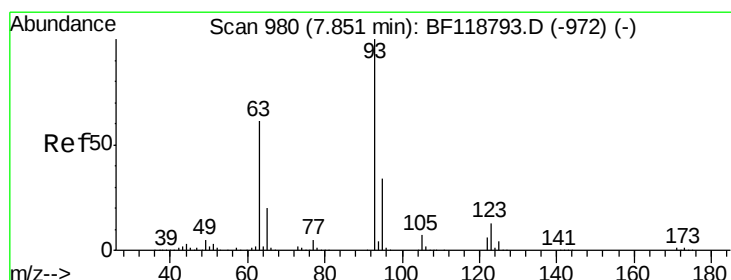
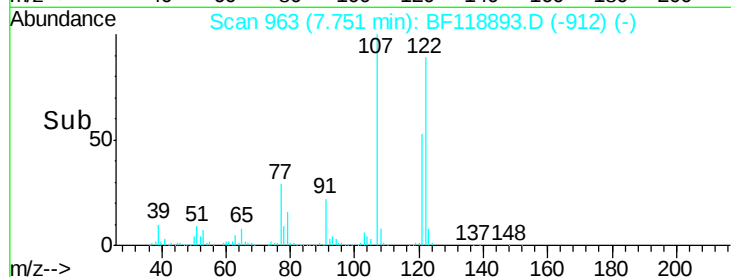
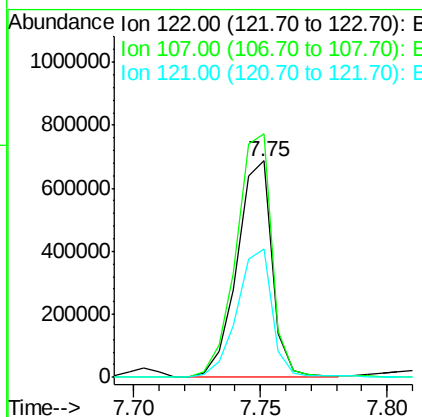
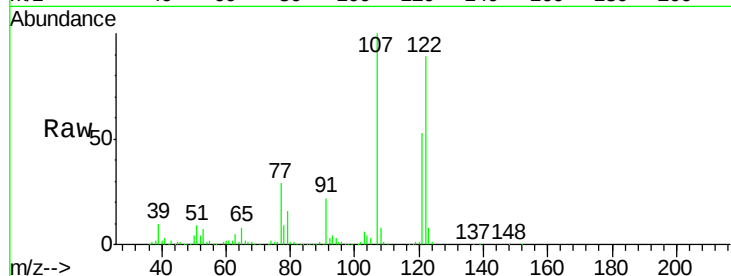
ClientSampleId :

SP-3MS

Tot Ion:	122	Resp:	662239
Ion	Ratio	Lower	Upper
122	100		
107	112.6	92.2	138.2
121	59.2	46.8	70.2

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#28

bis(2-Chloroethoxy)methane

Concen: 42.238 ng

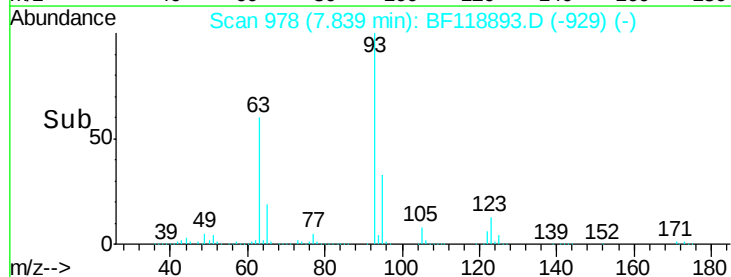
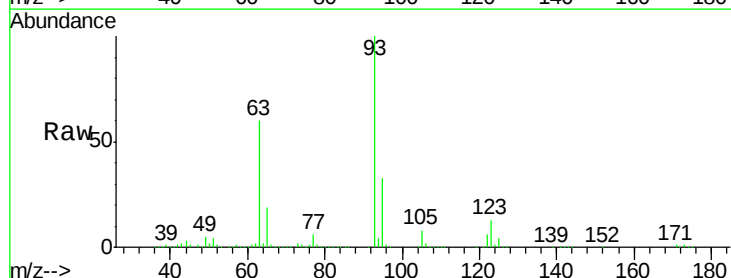
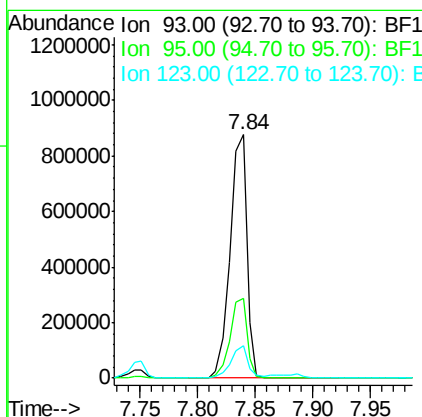
RT: 7.84 min Scan# 978

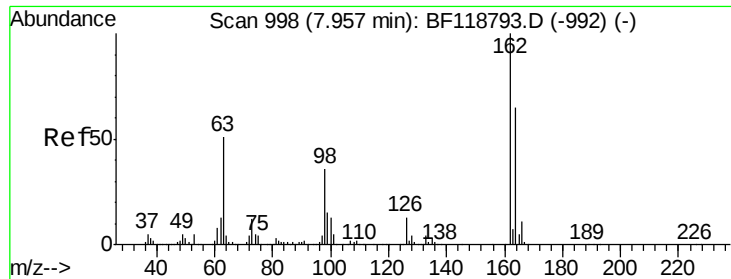
Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Tgt Ion:	93	Resp:	885332
Ion	Ratio	Lower	Upper
93	100		
95	33.0	27.0	40.4
123	13.3	10.6	15.8





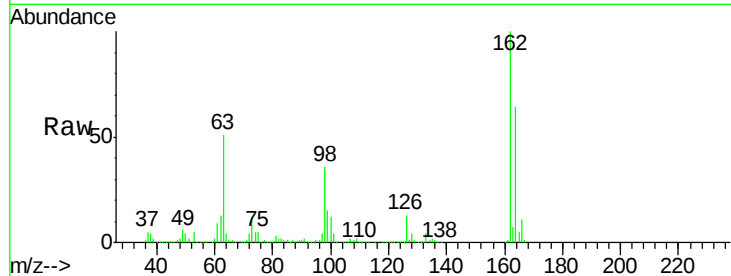
#29
2,4-Dichlorophenol
Concen: 43.866 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampled :
SP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
162	100	683239		
164	64.3		44.8	84.8
98	36.4		16.4	56.4

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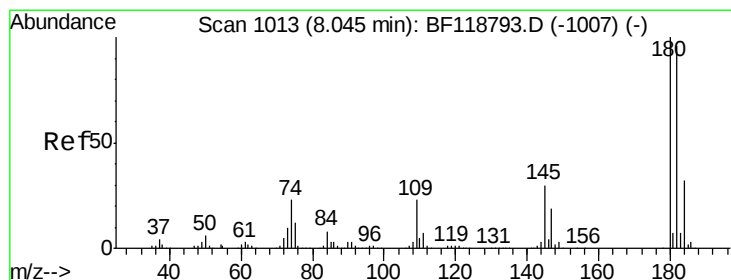
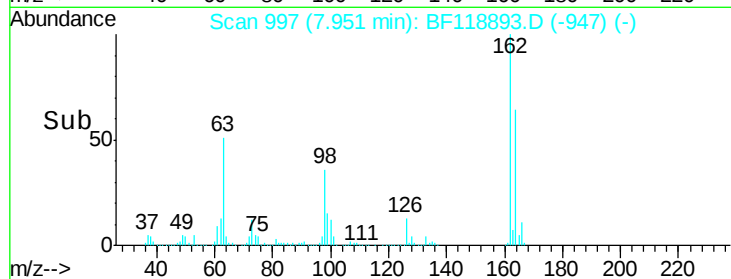
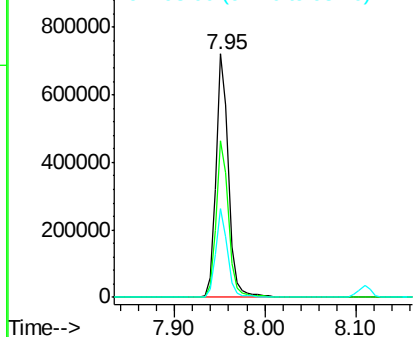


Abundance

Ion 162.00 (161.70 to 162.70): E

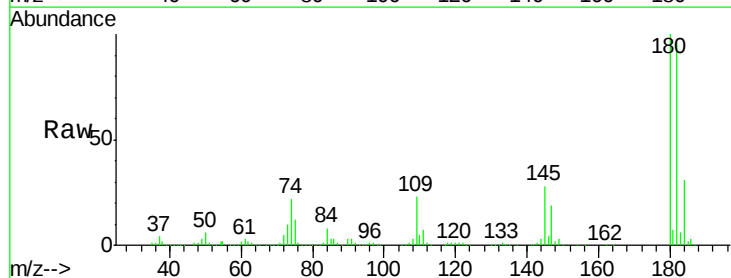
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 41.274 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	751422		
182	96.2		76.6	115.0
145	28.3		24.0	36.0

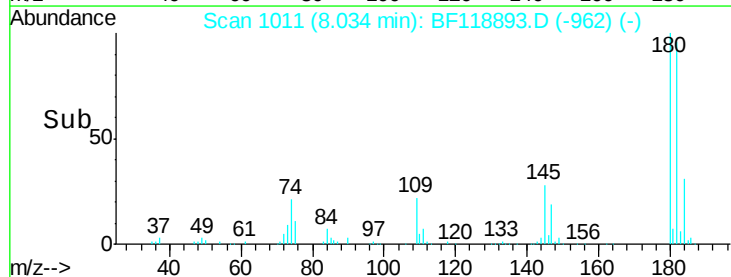
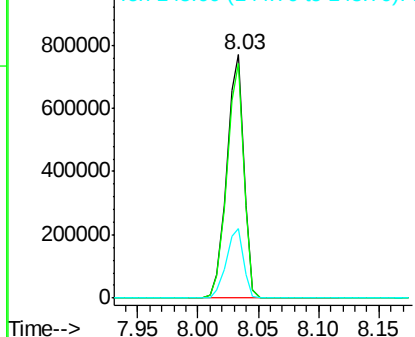


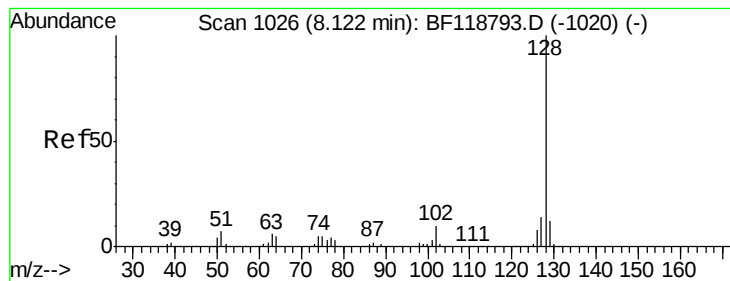
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 44.262 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion:128 Resp: 2170230

Ion Ratio Lower Upper

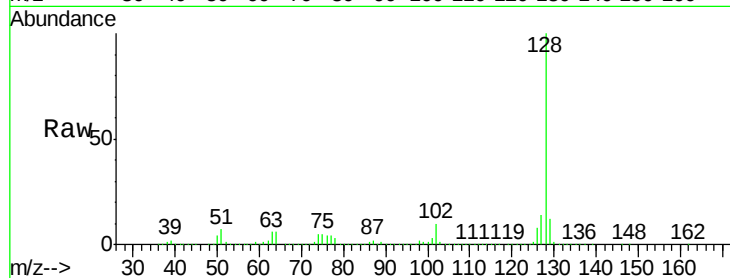
128 100

129 12.0 9.4 14.2

127 14.1 11.3 16.9

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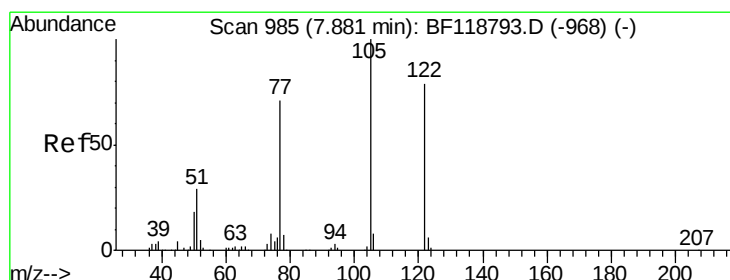
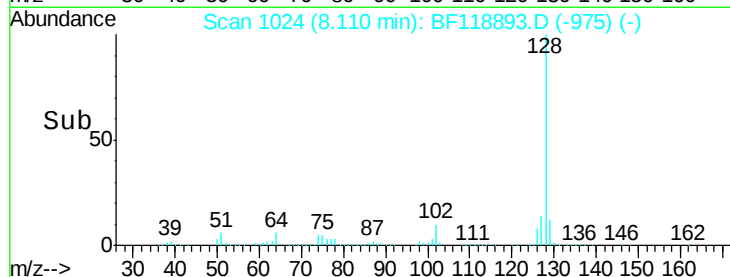
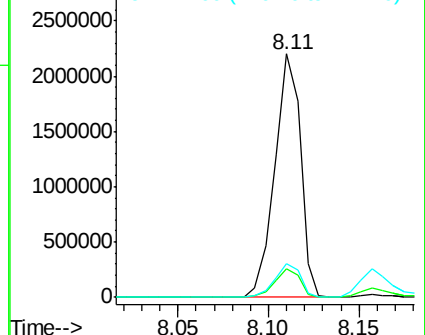
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 42.398 ng

RT: 7.89 min Scan# 986

Delta R.T. 0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

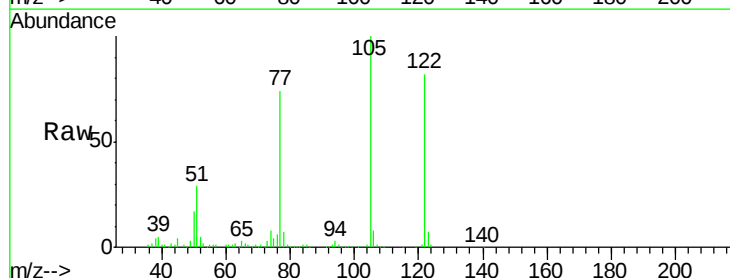
Tgt Ion:122 Resp: 456554

Ion Ratio Lower Upper

122 100

105 122.6 104.4 144.4

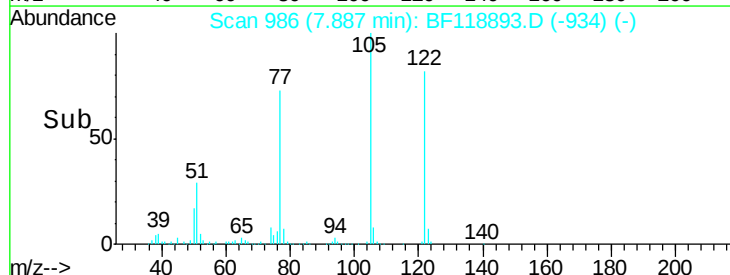
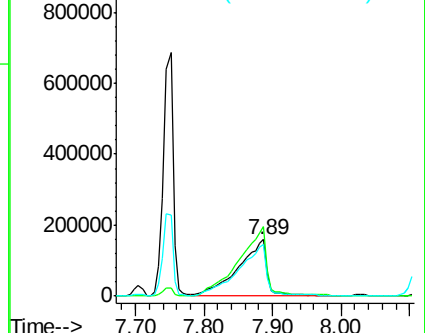
77 90.8 69.3 109.3

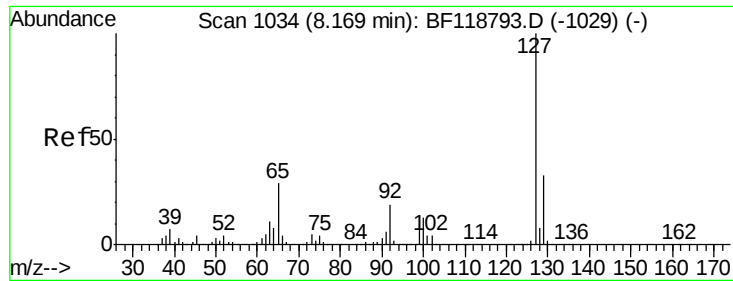


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





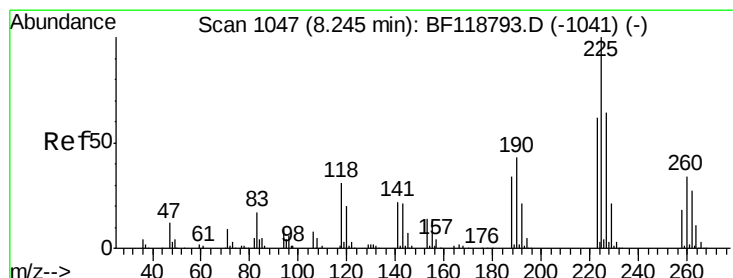
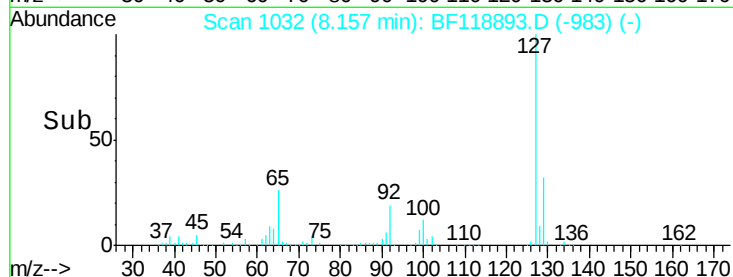
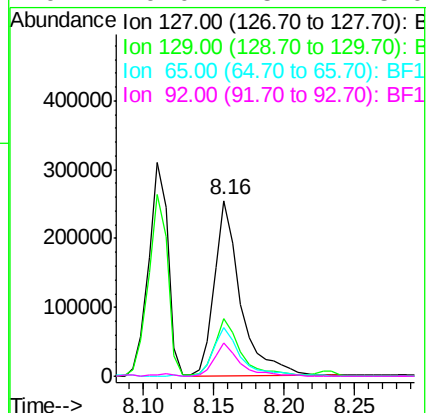
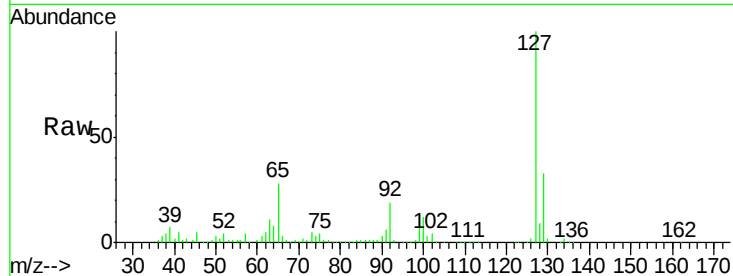
#33
4-Chloroaniline
Concen: 14.997 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100		328978		
129	32.6	26.7	40.1		
65	27.8	22.9	34.3		
92	19.0	15.4	23.0		

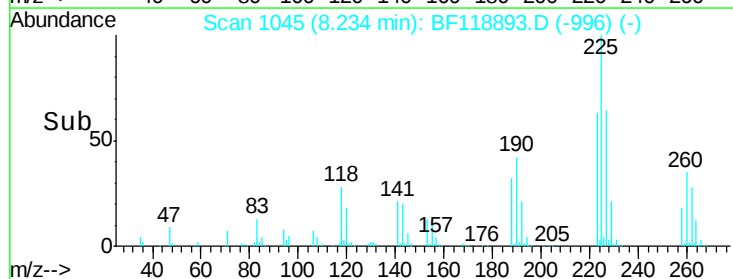
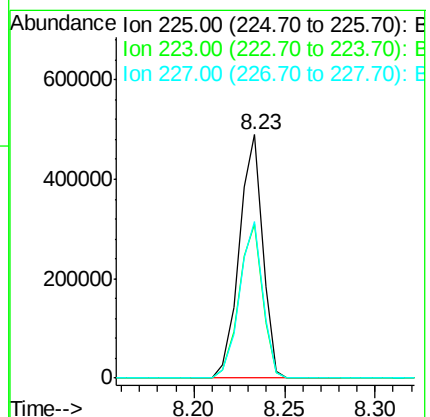
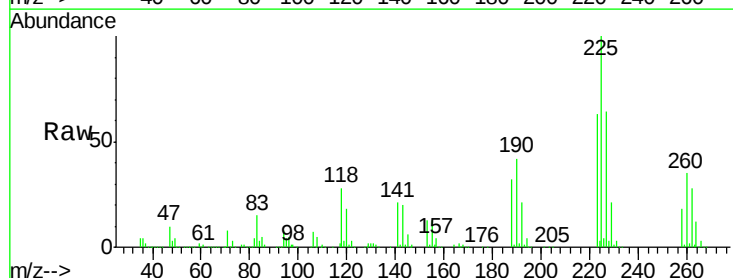
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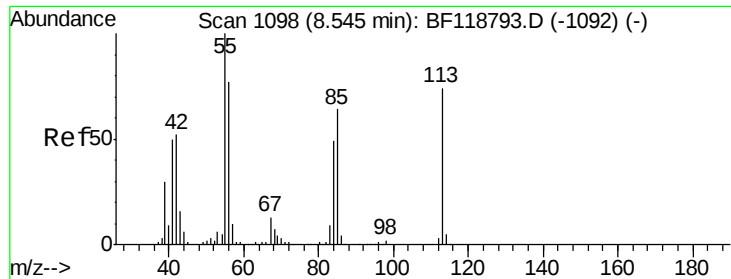
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#34
Hexachlorobutadiene
Concen: 39.448 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100		440000		
223	63.1	49.8	74.8		
227	64.3	51.0	76.4		





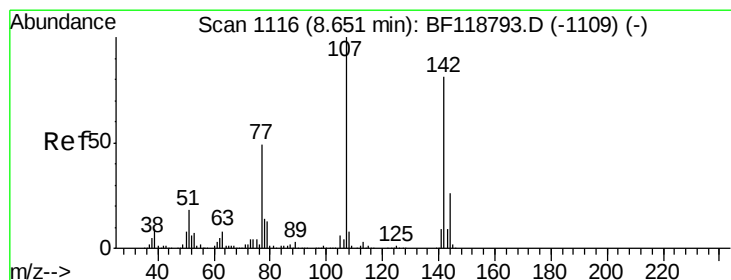
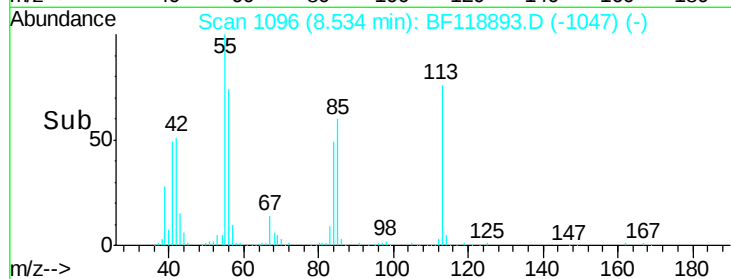
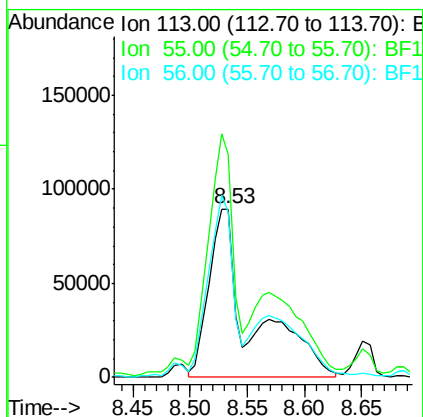
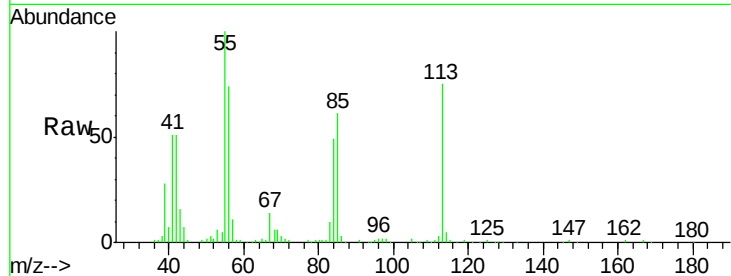
#35
 Caprolactam
 Concen: 45.485 ng/ml
 RT: 8.53 min Scan# 1096
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS

Tot Ion	Ratio	Lower	Upper
113	100		
55	132.9	115.5	155.5
56	98.0	83.7	123.7

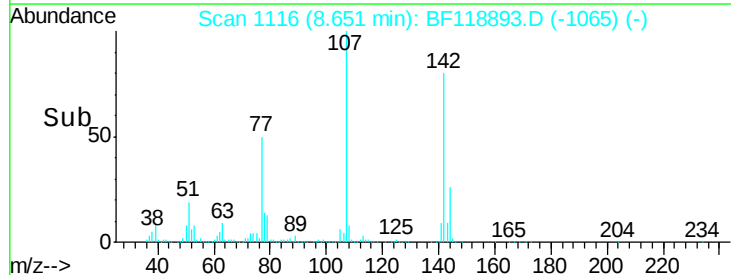
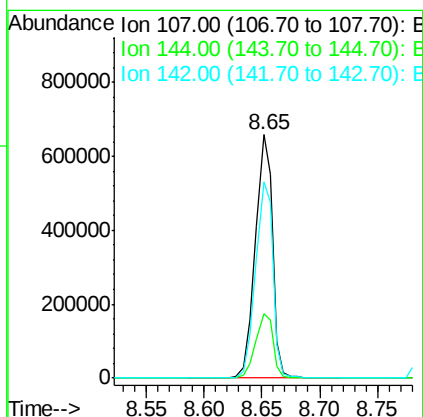
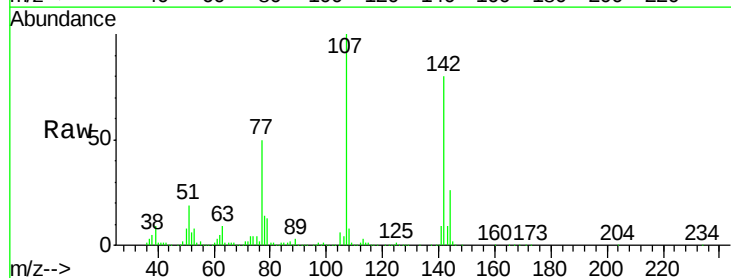
Manual Integrations
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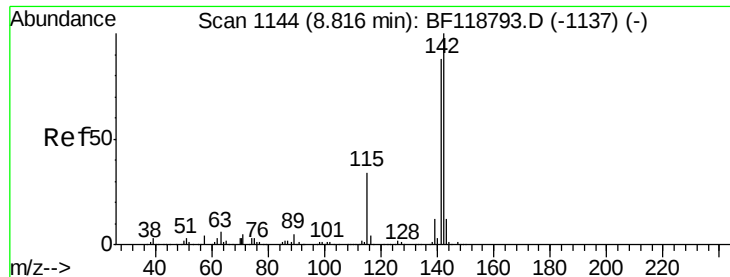
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#36
 4-Chloro-3-methylphenol
 Concen: 43.785 ng/ml
 RT: 8.65 min Scan# 1116
 Delta R.T. 0.00 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.4	21.0	31.6
142	80.4	64.8	97.2





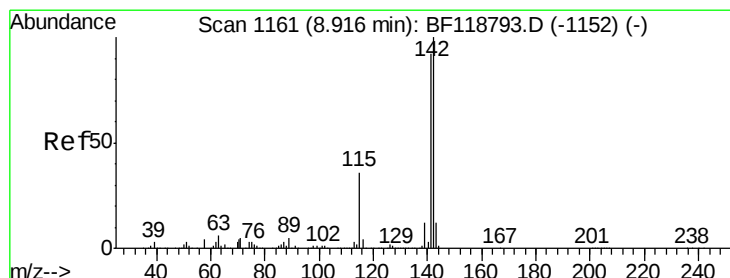
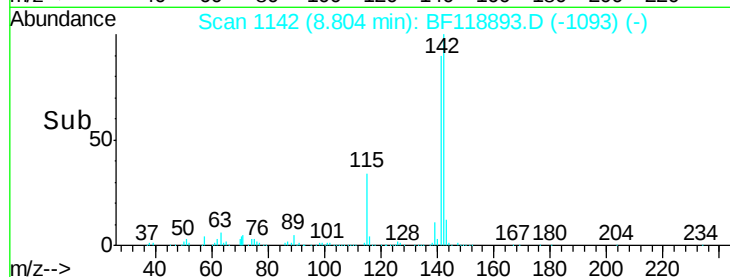
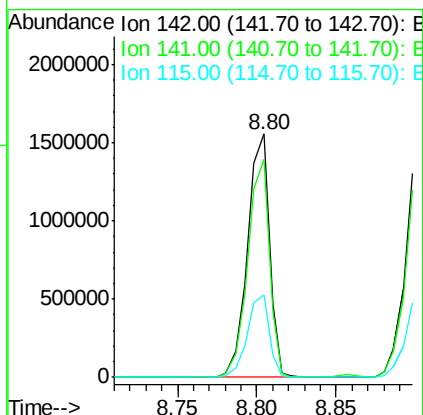
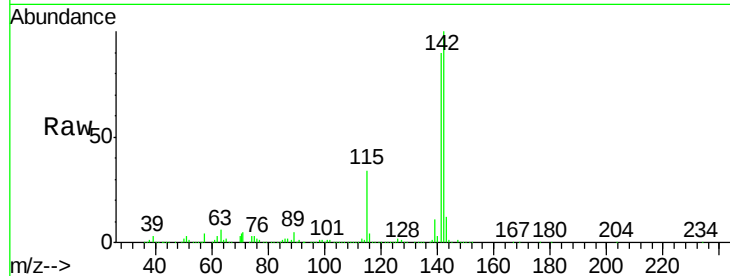
#37
2-Methylnaphthalene
Concen: 43.956 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.8	70.1	105.1
115	33.9	27.3	40.9

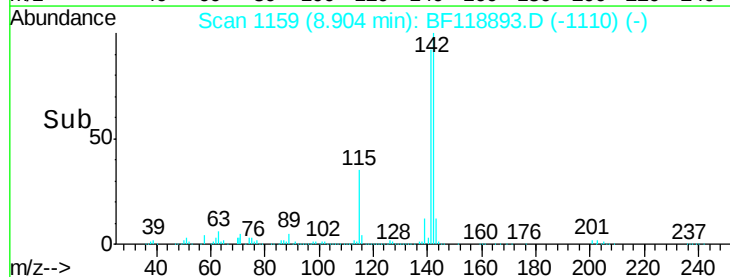
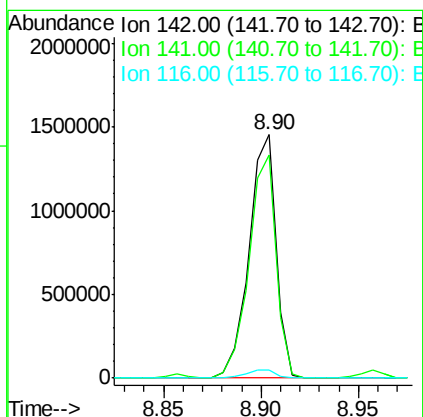
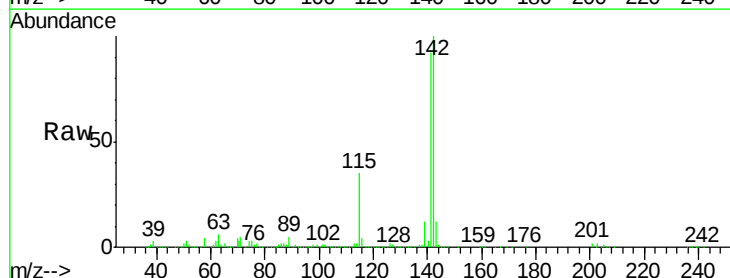
Manual Integrations
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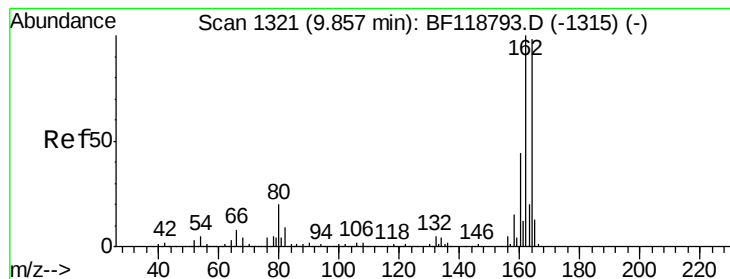
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#38
1-Methylnaphthalene
Concen: 43.734 ng
RT: 8.90 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.8	110.6
116	3.5	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: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

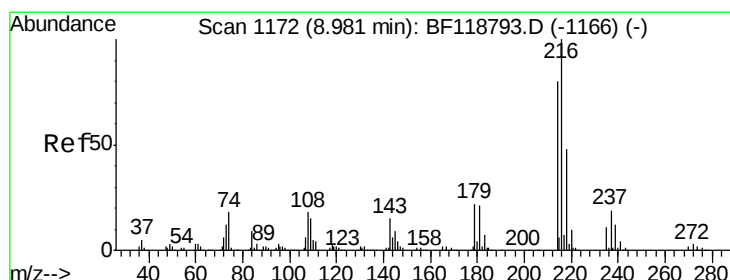
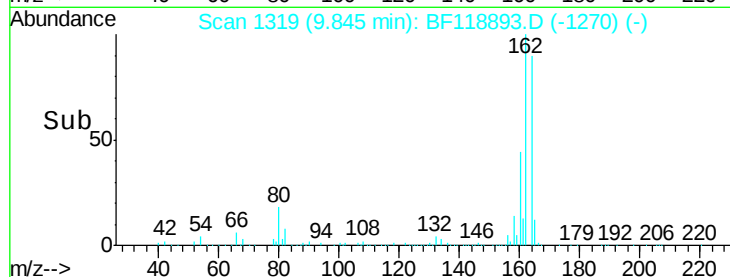
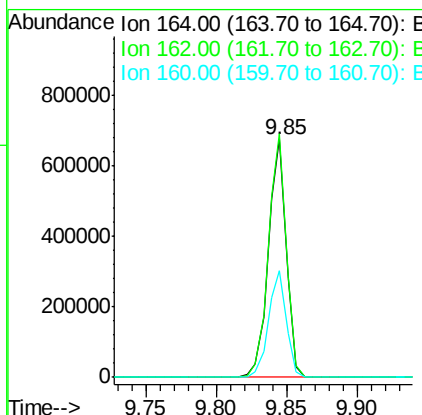
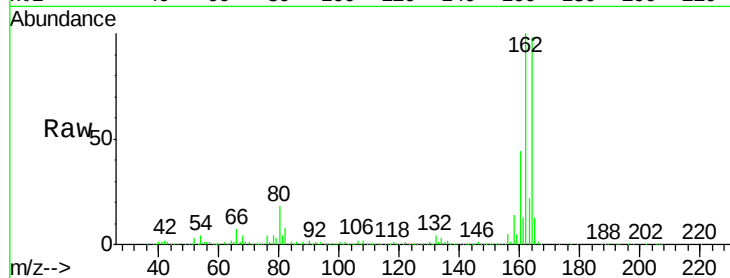
ClientSampleId :

SP-3MS

Tot Ion:	164	Resp:	606049
Ion Ratio	Lower	Upper	
164	100		
162	102.1	81.4	122.2
160	44.8	35.6	53.4

Manual Integrations
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#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.500 ng

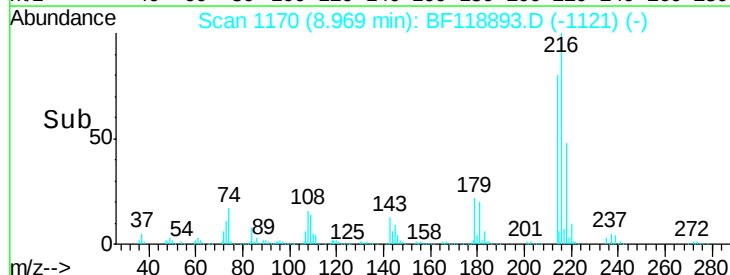
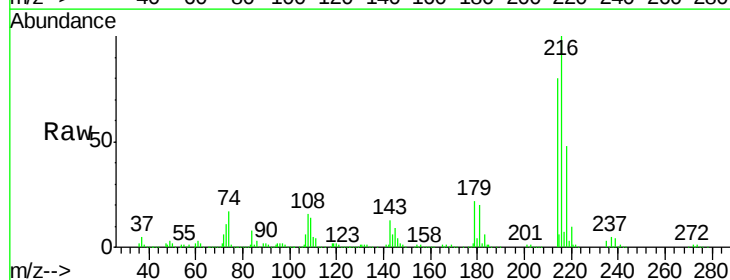
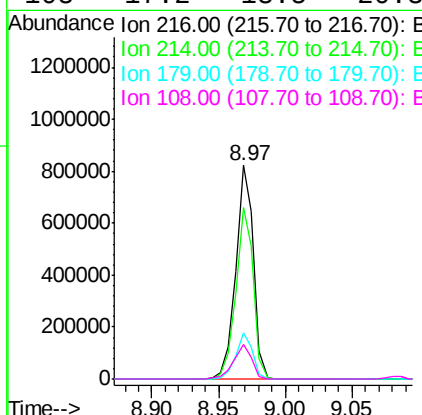
RT: 8.97 min Scan# 1170

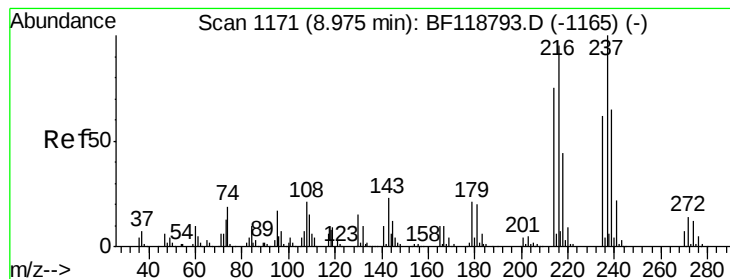
Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Tgt Ion:	216	Resp:	759078
Ion Ratio	Lower	Upper	
216	100		
214	79.7	63.0	94.4
179	20.8	17.0	25.6
108	17.2	13.5	20.3





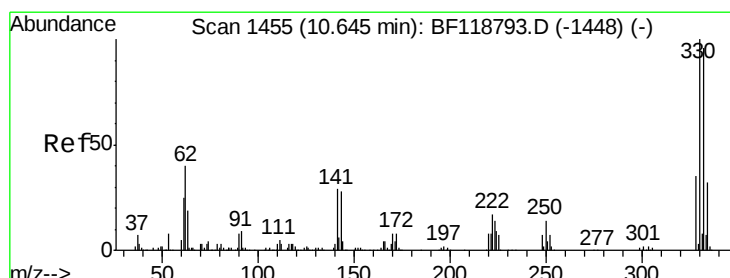
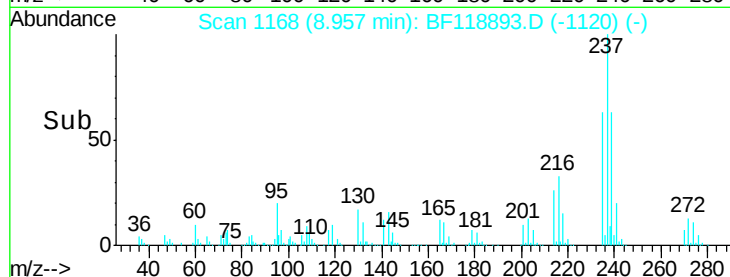
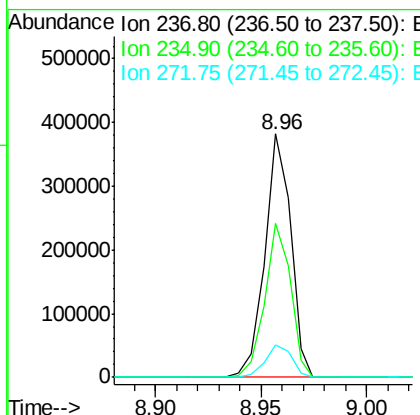
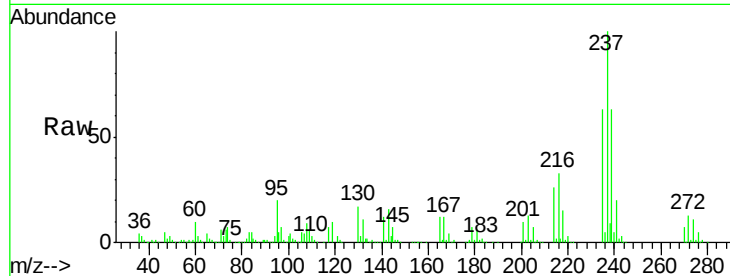
#41
Hexachlorocyclopentadiene
Concen: 45.698 ng
RT: 8.96 min Scan# 1168
Delta R.T. -0.02 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
237	100			
235	63.2	42.1	82.1	
272	13.1	0.0	34.4	

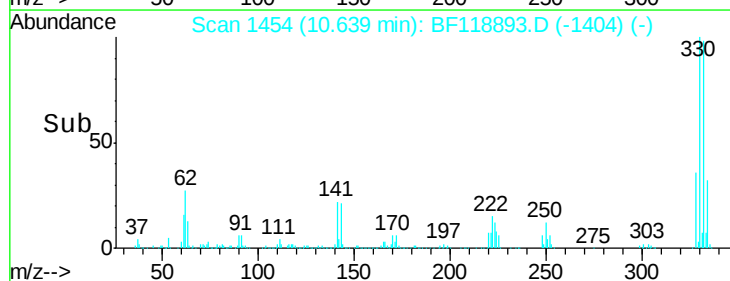
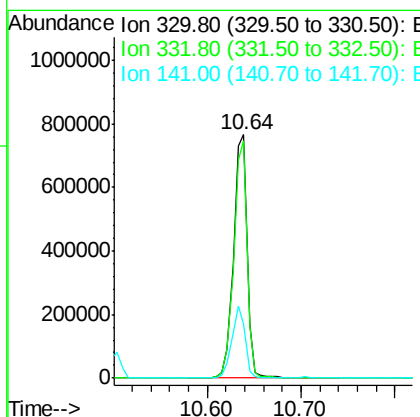
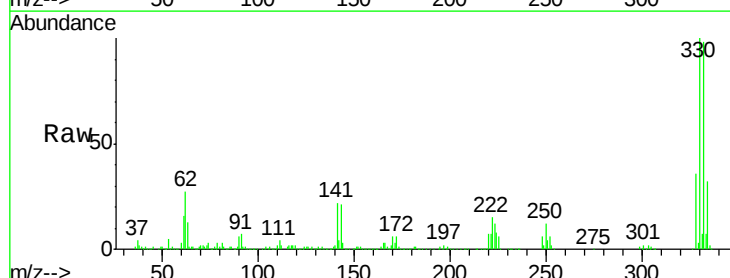
Manual Integrations
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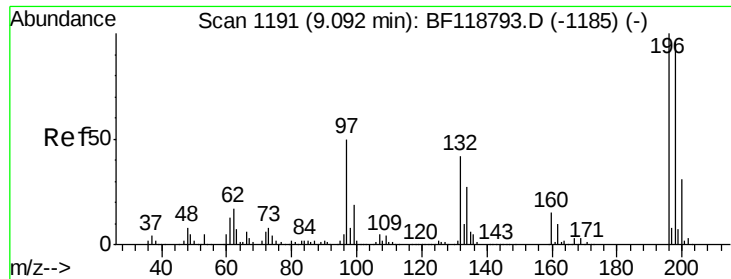
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#42
2,4,6-Tribromophenol
Concen: 106.827 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.7	77.3	115.9	
141	28.5	22.4	33.6	





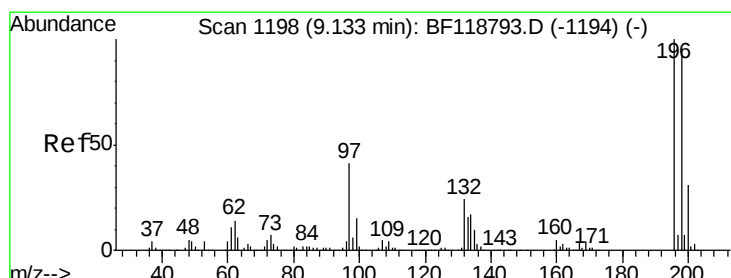
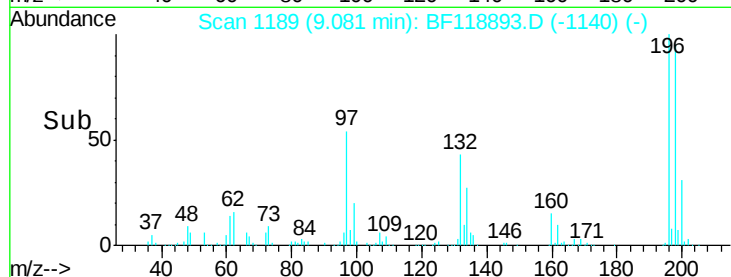
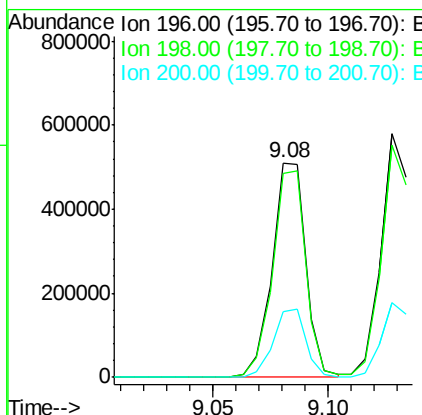
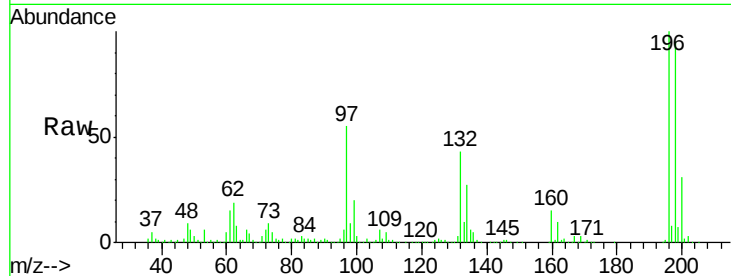
#43
 2,4,6-Trichlorophenol
 Concen: 41.927 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	512822		
198	95.3	76.7	115.1	
200	30.8	24.9	37.3	

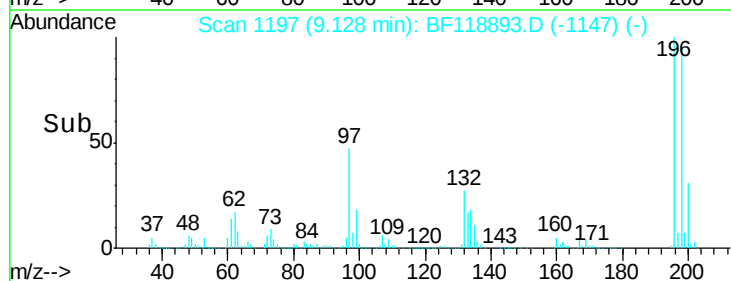
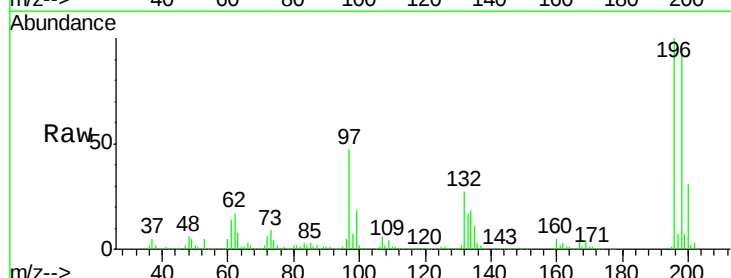
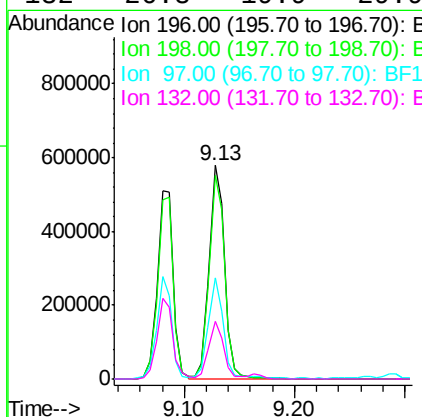
Manual Integrations
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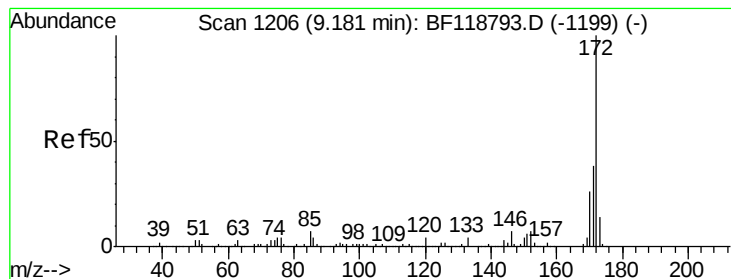
mohammad
 2/12/2020 3:51:10 PM



#44
 2,4,5-Trichlorophenol
 Concen: 43.628 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	545248		
198	95.3	77.0	115.4	
97	47.1	32.9	49.3	
132	26.8	19.9	29.9	





#45

2-Fluorobiphenyl

Concen: 77.897 ng

RT: 9.16 min Scan# 1203

Delta R.T. -0.02 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion:172 Resp: 2640802

Ion Ratio Lower Upper

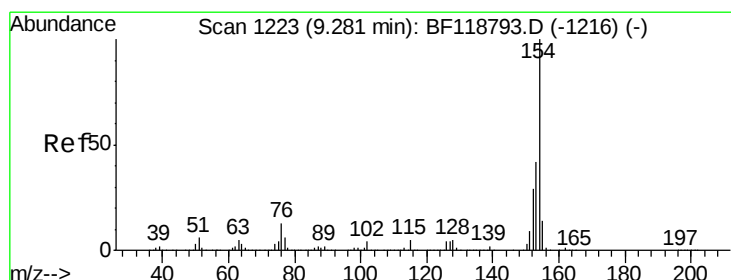
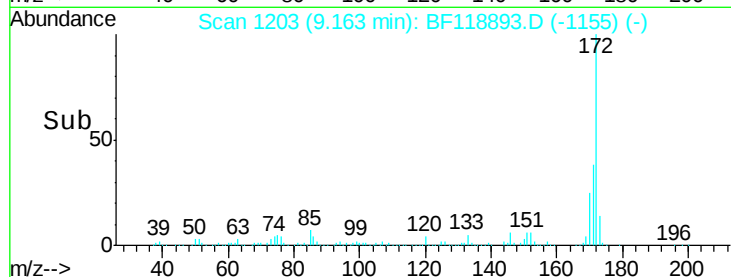
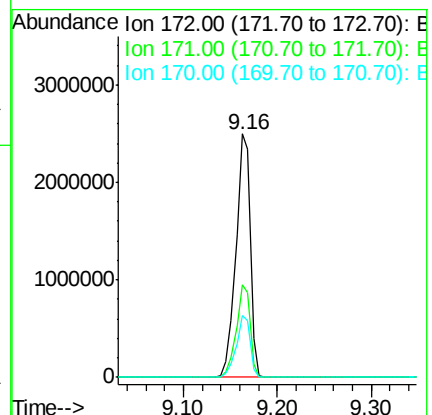
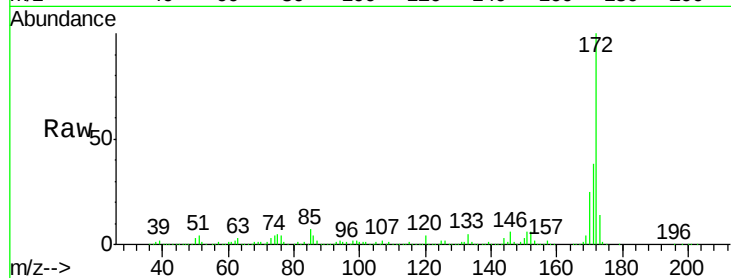
172 100

171 38.0 30.8 46.2

170 25.2 20.5 30.7

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#46

1,1'-Biphenyl

Concen: 42.225 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.02 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

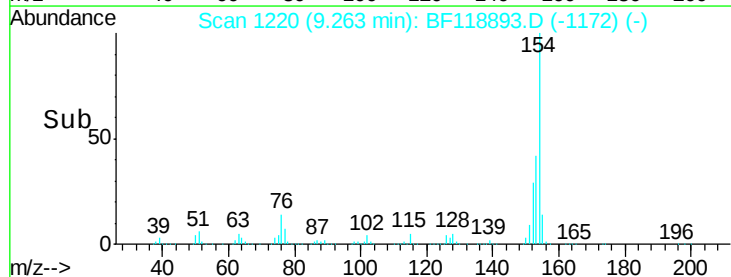
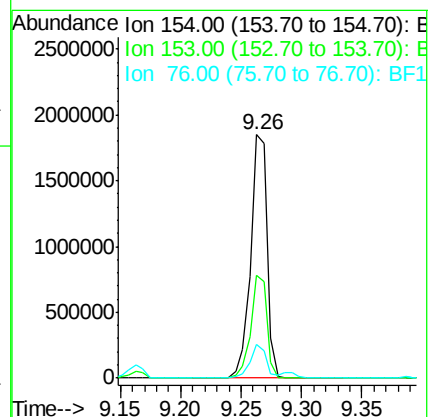
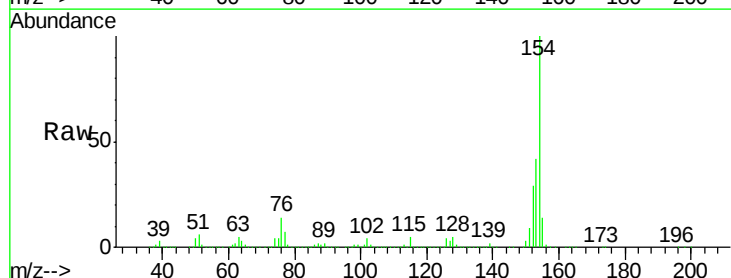
Tgt Ion:154 Resp: 1770198

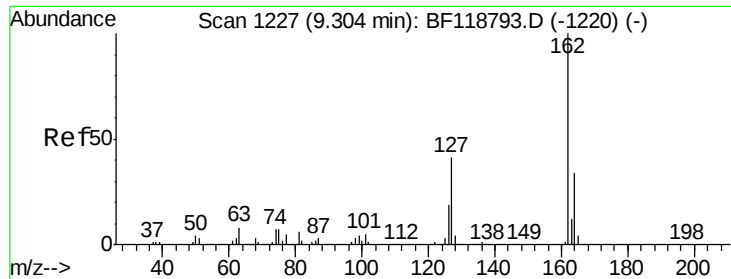
Ion Ratio Lower Upper

154 100

153 42.2 22.4 62.4

76 14.1 0.0 32.7





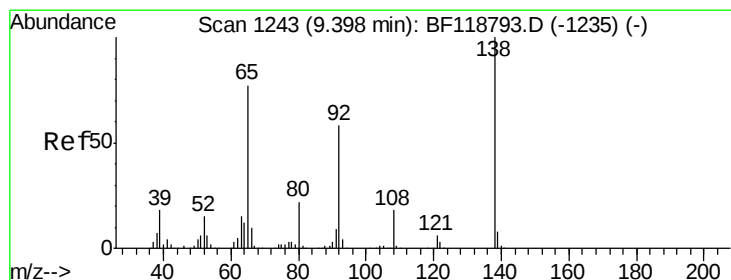
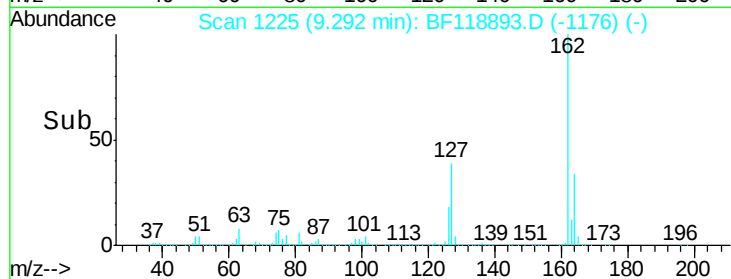
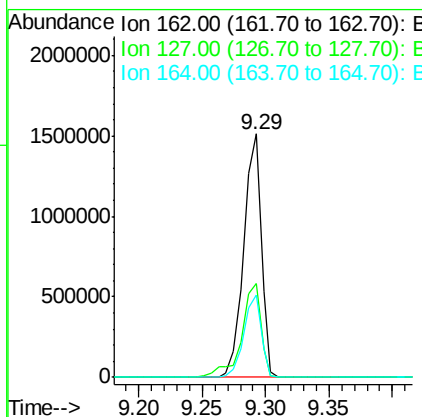
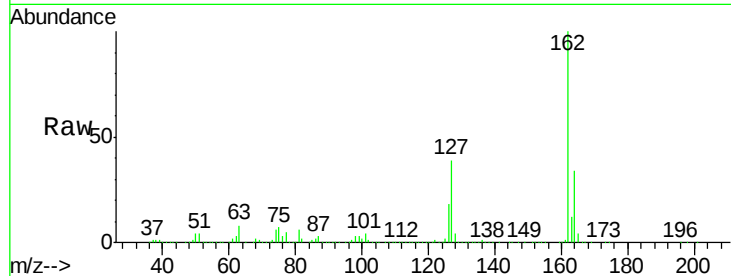
#47
 2-Chloronaphthalene
 Concen: 41.509 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS

Tot Ion	Ratio	Lower	Upper
162	100		
127	38.6	33.3	49.9
164	34.1	27.1	40.7

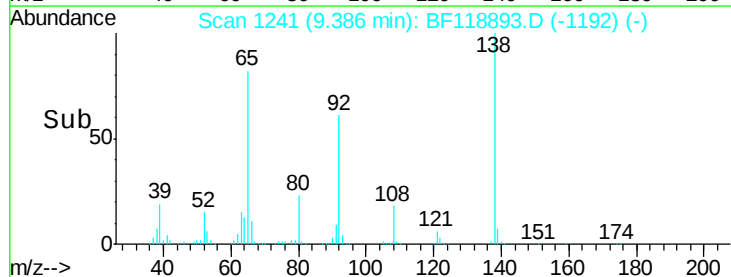
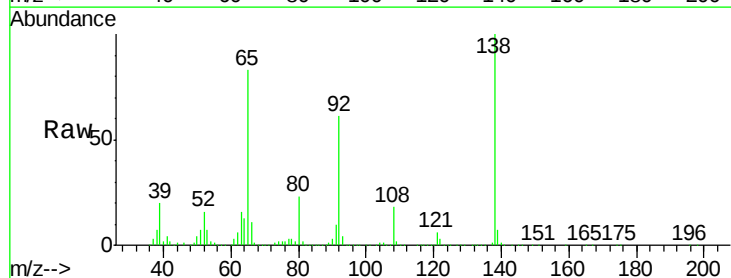
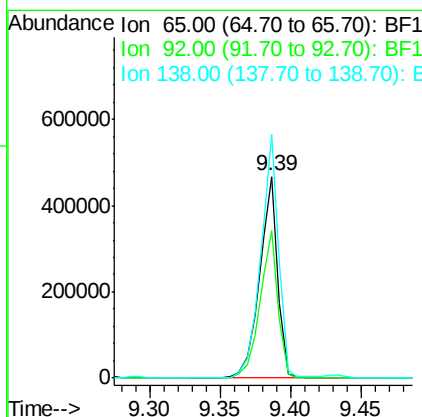
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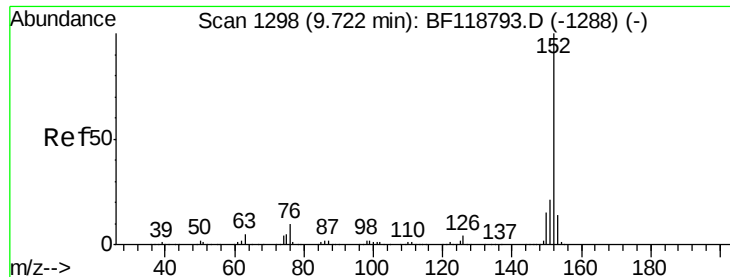
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#48
 2-Nitroaniline
 Concen: 41.857 ng
 RT: 9.39 min Scan# 1241
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
65	100		
92	73.1	60.6	91.0
138	120.6	104.6	156.8





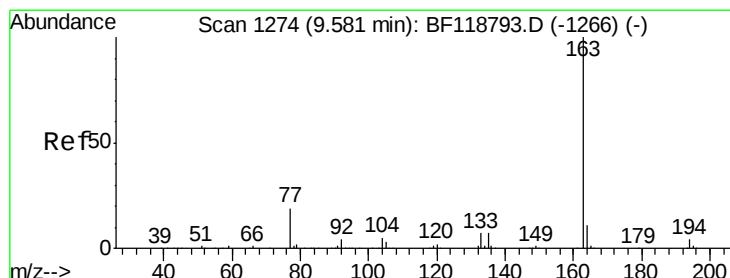
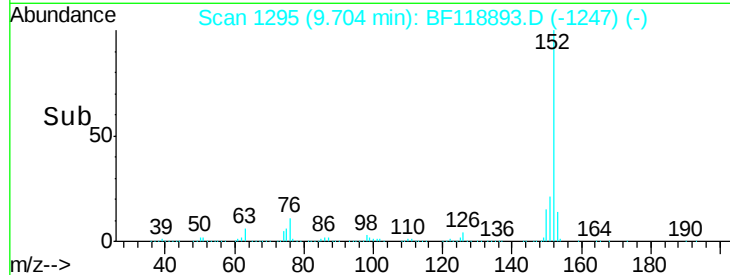
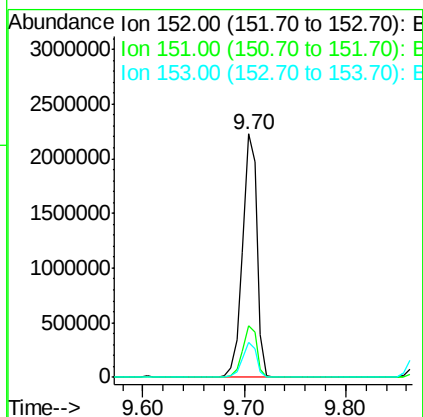
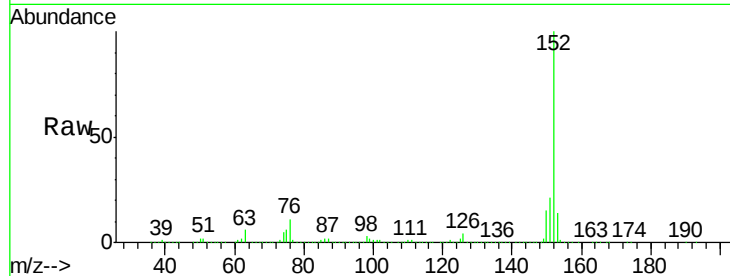
#49
Acenaphthylene
Concen: 43.566 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.02 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	152	Resp	2192321
Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.1	25.7
153	14.3	11.0	16.4

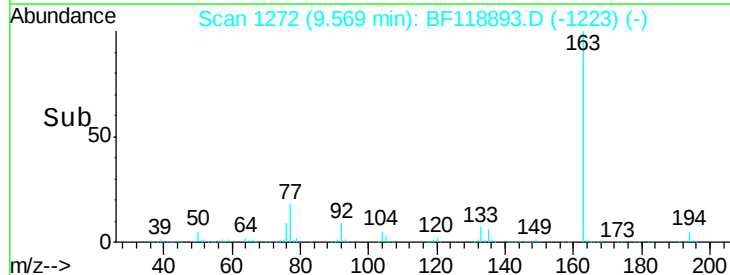
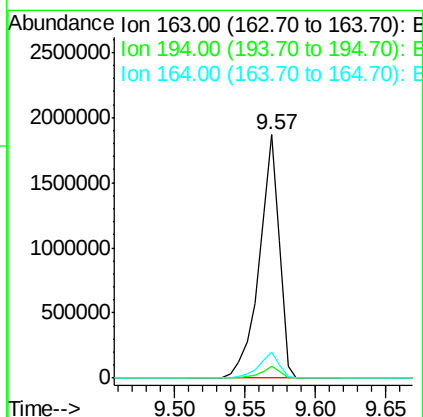
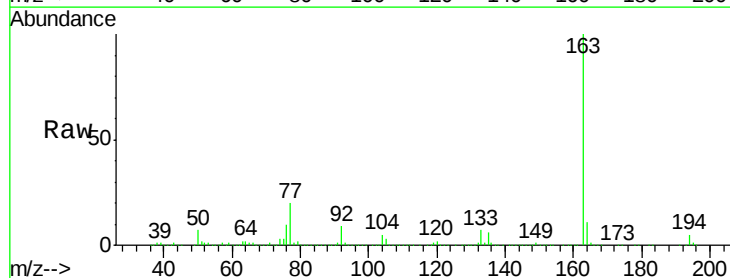
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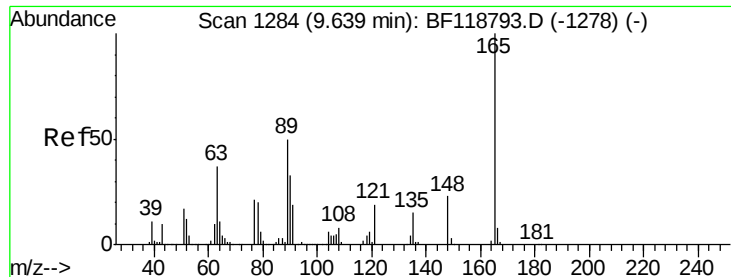
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#50
Dimethylphthalate
Concen: 45.305 ng
RT: 9.57 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	163	Resp	1869570
Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.6	5.4
164	10.7	8.7	13.1





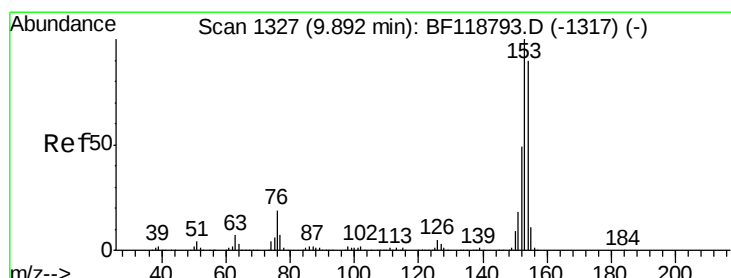
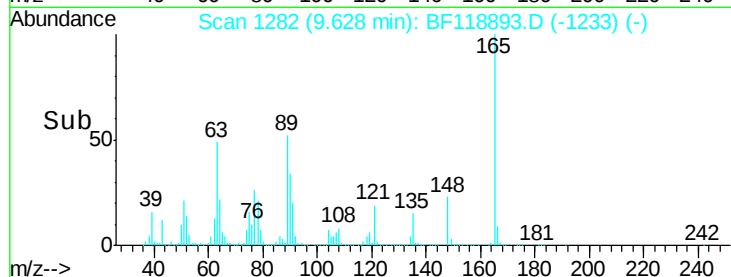
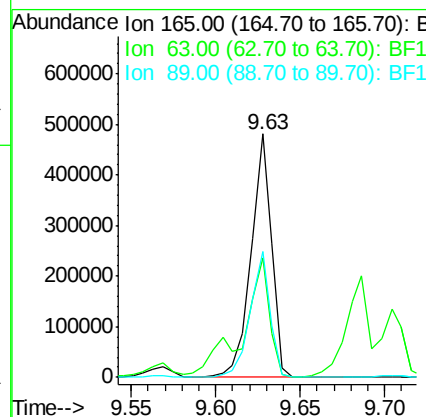
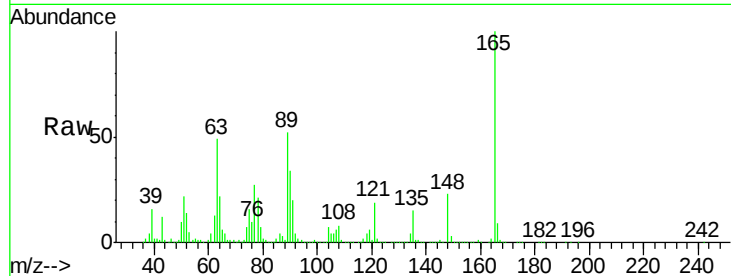
#51
 2,6-Dinitrotoluene
 Concen: 43.290 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	408750		
63	48.8		37.4	56.0
89	51.5		39.7	59.5

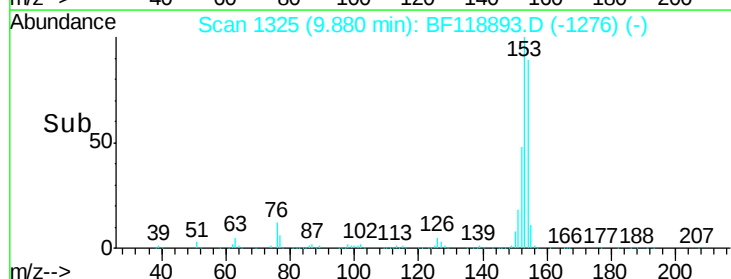
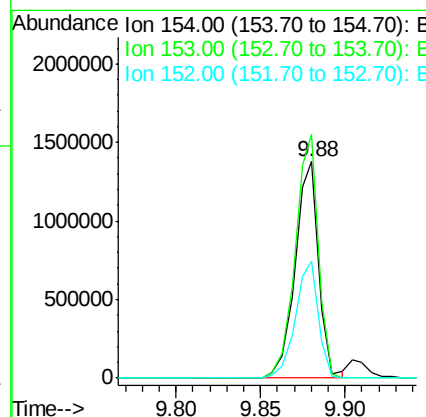
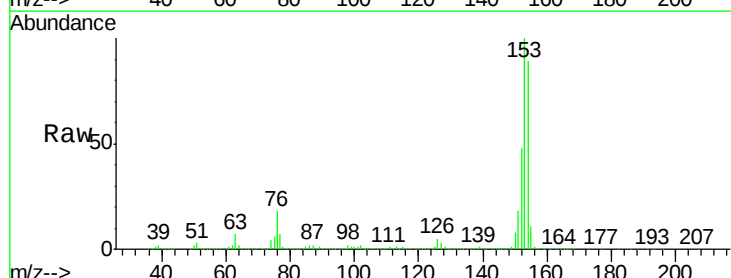
Manual Integrations
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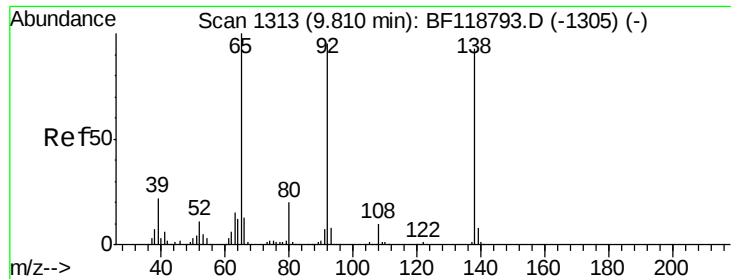
mohammad
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#52
 Acenaphthene
 Concen: 40.493 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1342734		
153	112.6		89.4	134.0
152	53.9		43.6	65.4





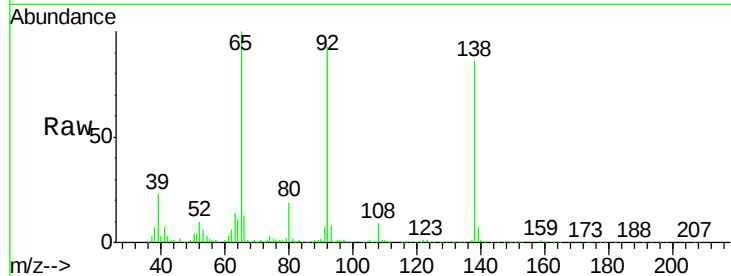
#53
3-Nitroaniline
Concen: 20.682 ng
RT: 9.79 min Scan# 1310
Delta R.T. -0.02 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

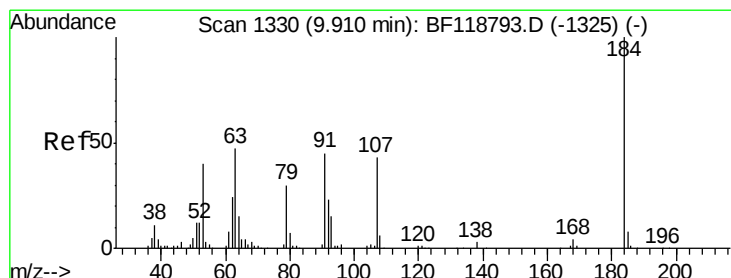
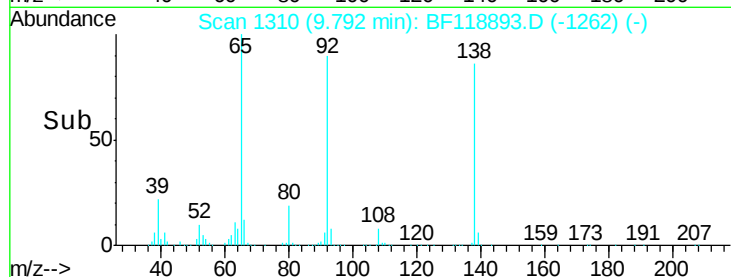
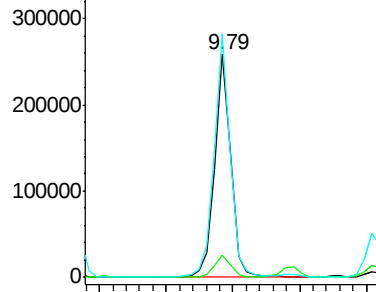
Tot Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.5	12.7
92	109.3	82.2	123.4

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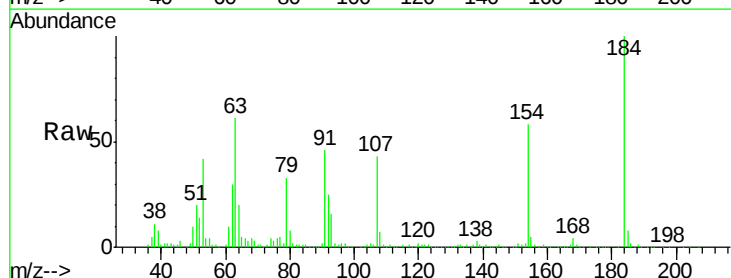


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF1

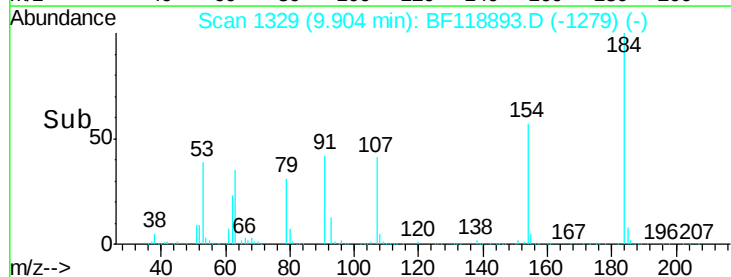
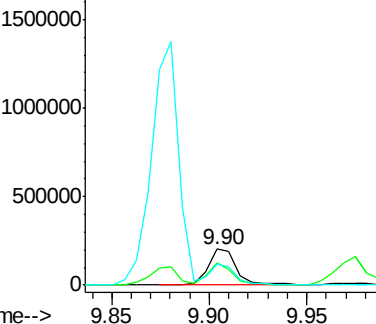


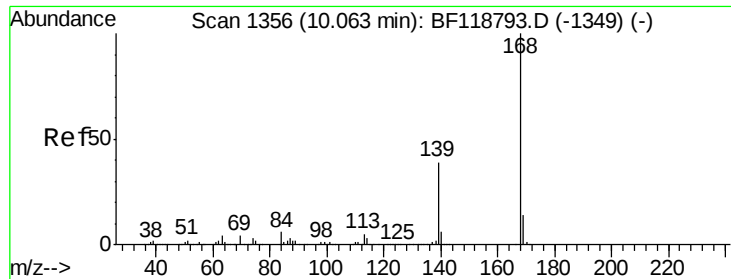
#54
2,4-Dinitrophenol
Concen: 46.072 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
184	100		
63	60.6	47.5	71.3
154	57.6	48.6	72.8



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E





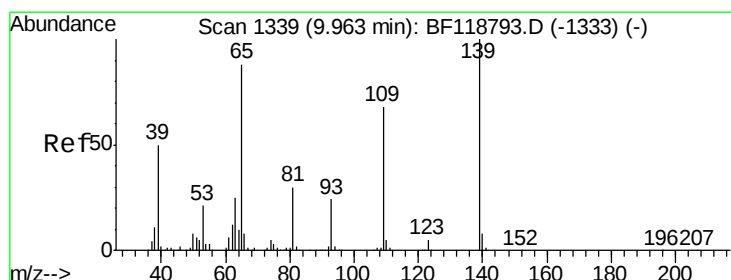
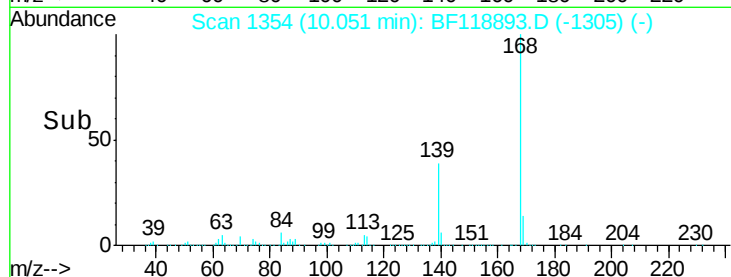
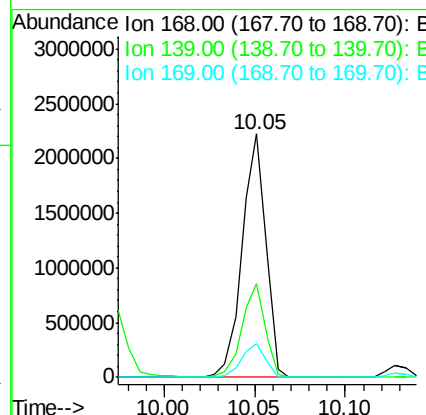
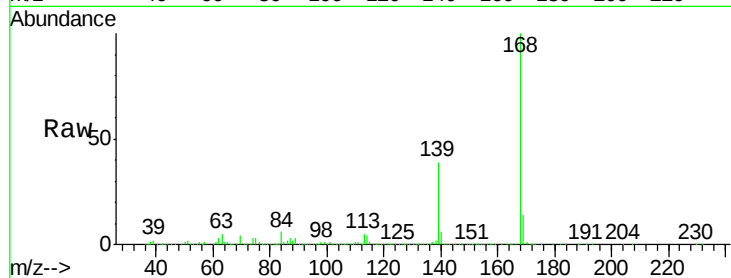
#55
Dibenzofuran
Concen: 41.945 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.6	47.4
169	14.1	11.4	17.2

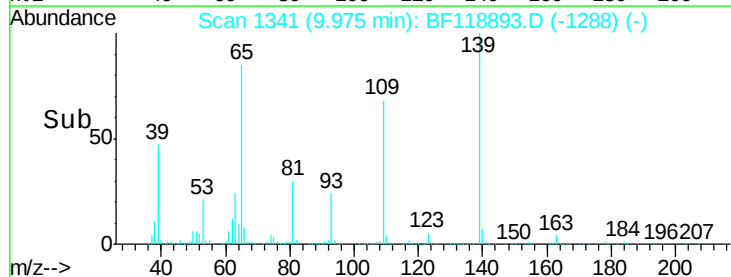
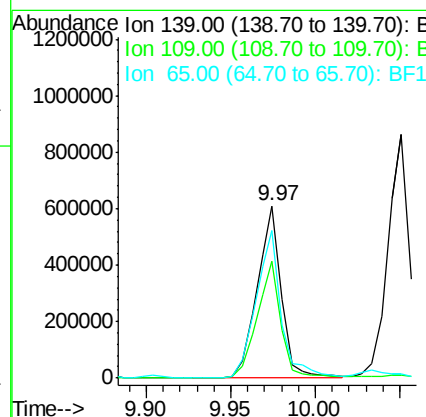
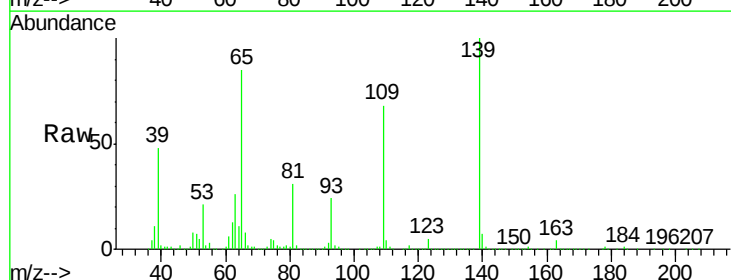
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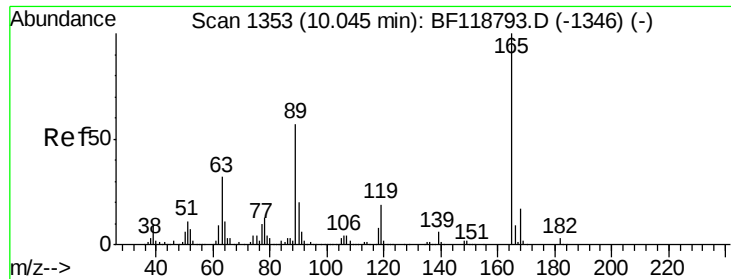
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#56
4-Nitrophenol
Concen: 80.342 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
139	100		
109	67.8	48.0	88.0
65	85.5	68.3	108.3





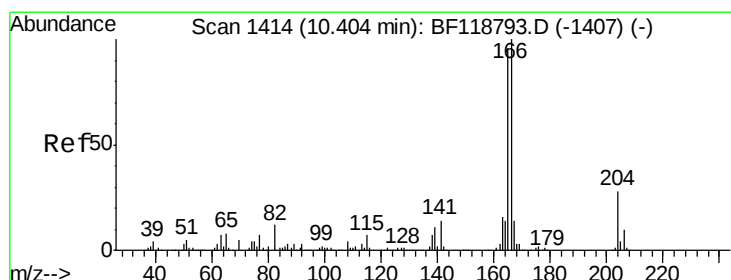
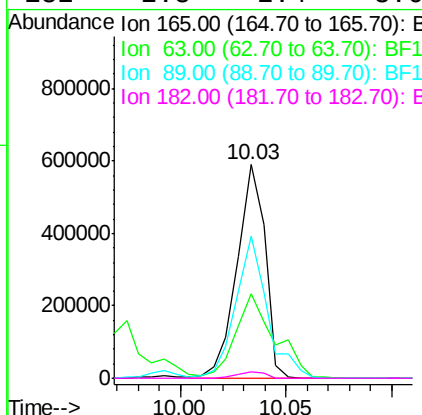
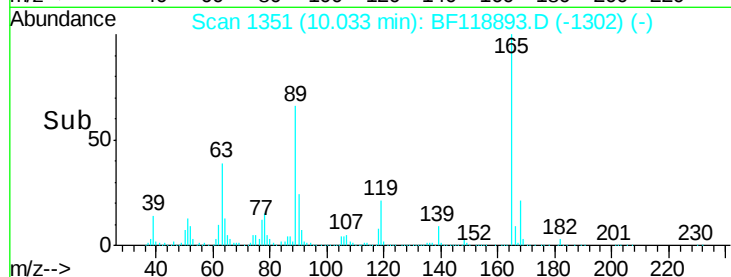
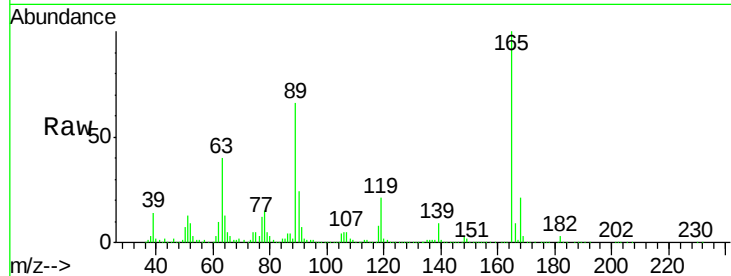
#57
2,4-Dinitrotoluene
Concen: 43.253 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	540464		
63	39.5	25.5	38.3	
89	66.3	45.4	68.0	
182	2.8	2.4	3.6	

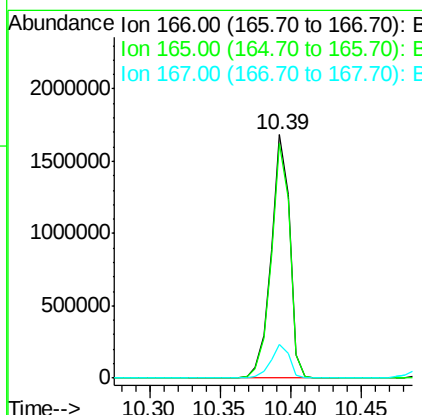
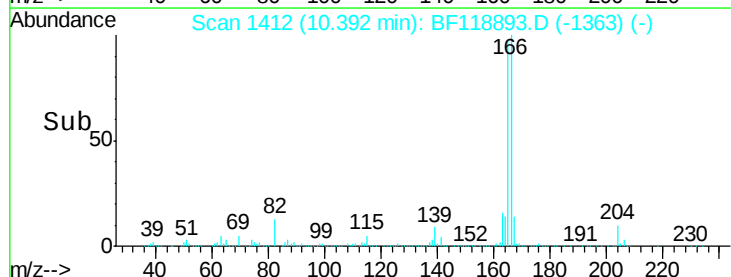
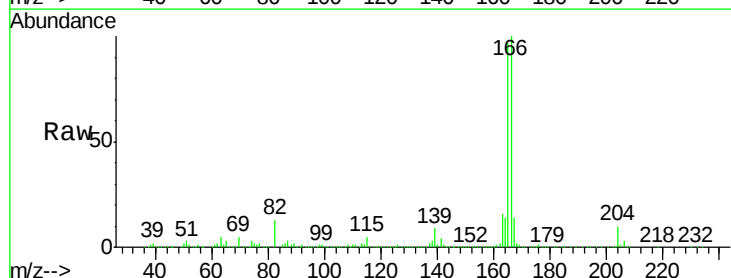
Manual Integrations
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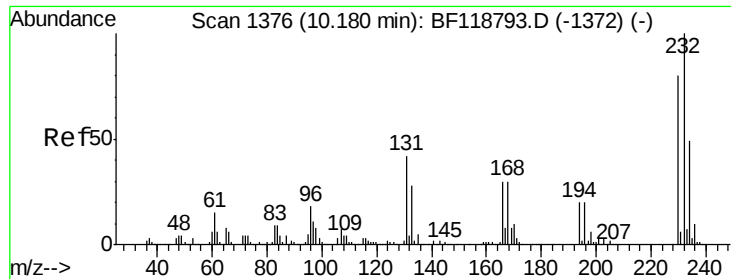
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#58
Fluorene
Concen: 43.021 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1551030		
165	96.5	77.0	115.6	
167	14.0	11.1	16.7	





#59

2,3,4,6-Tetrachlorophenol

Concen: 42.431 ng

RT: 10.17 min Scan# 1375

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion:232 Resp: 463108
Ion Ratio Lower Upper

232 100

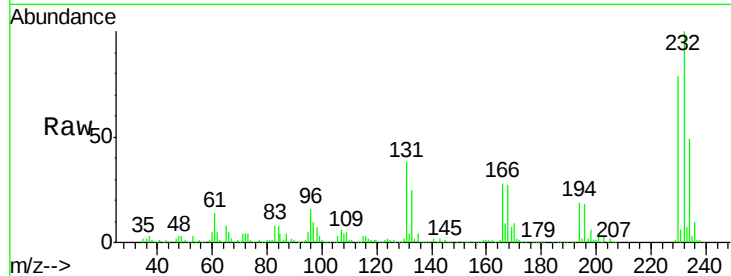
131 39.7 31.8 47.6

130 2.0 1.6 2.4

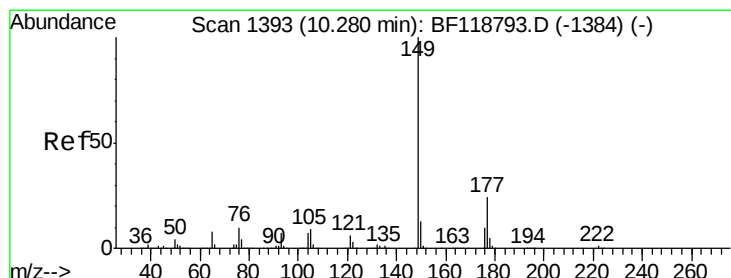
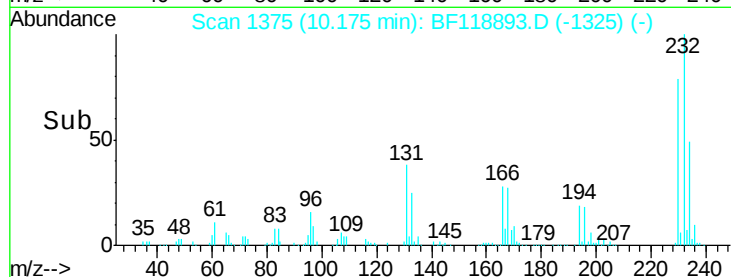
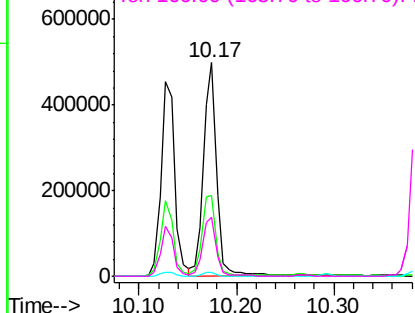
166 28.1 23.1 34.7

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



#60

Diethylphthalate

Concen: 41.733 ng

RT: 10.27 min Scan# 1391

Delta R.T. -0.01 min

Lab File: BF118893.D

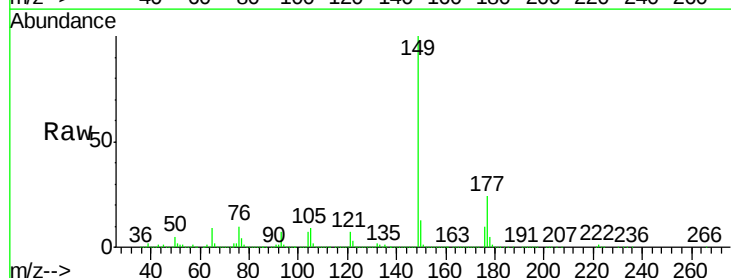
Acq: 11 Feb 2020 19:36

Tgt Ion:149 Resp: 1674614
Ion Ratio Lower Upper

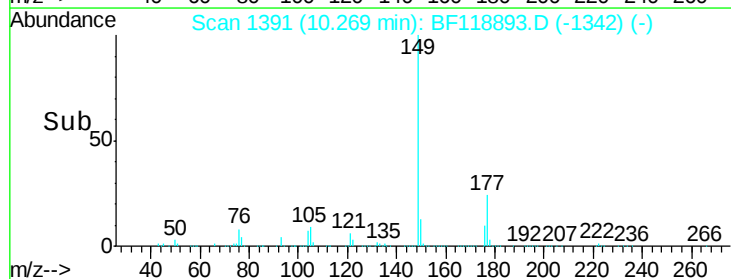
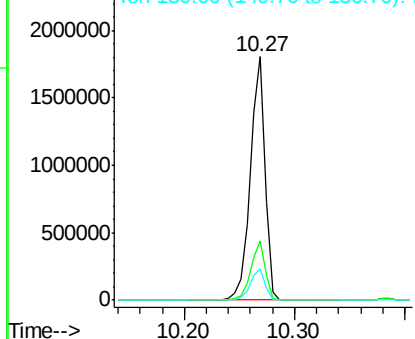
149 100

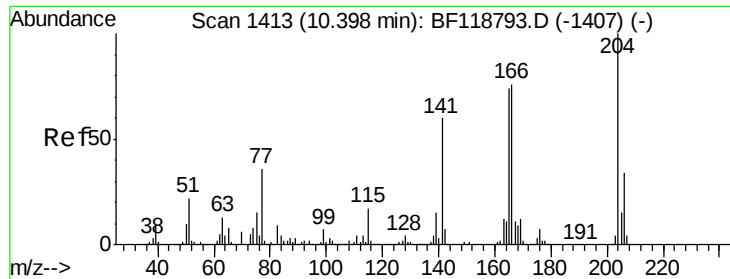
177 24.5 19.3 28.9

150 12.9 10.4 15.6



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





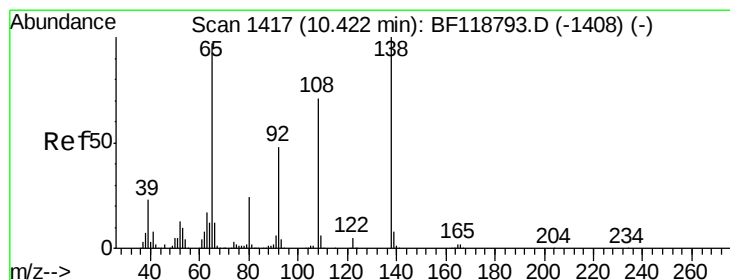
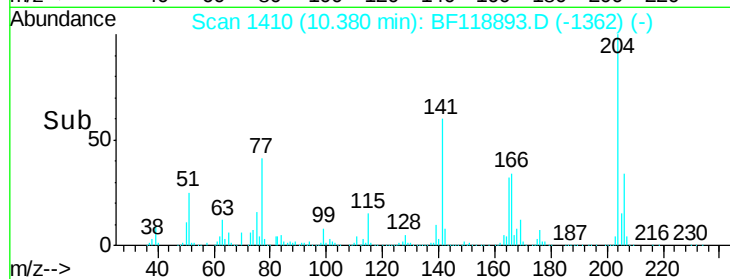
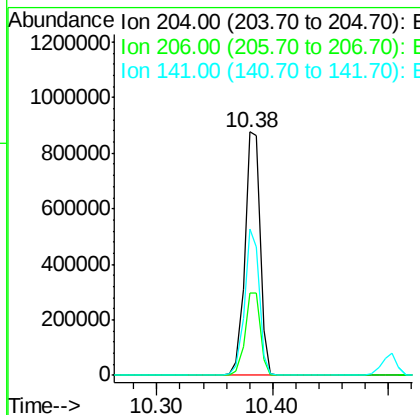
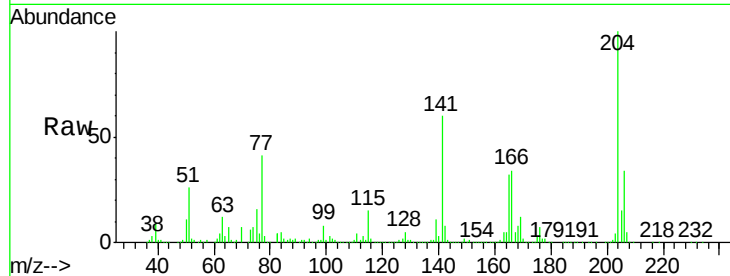
#61
4-Chlorophenyl-phenylether
Concen: 41.174 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampled :
SP-3MS

Tot Ion	Ratio	Lower	Upper
204	100		
206	34.0	27.4	41.2
141	59.9	47.8	71.6

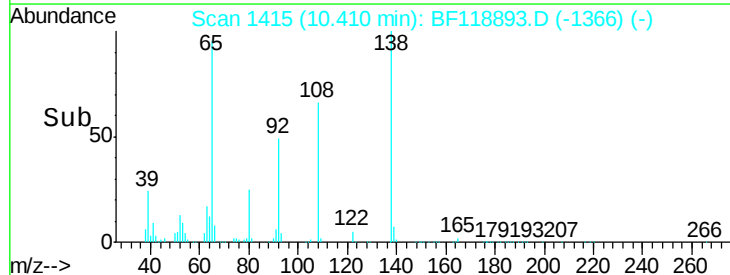
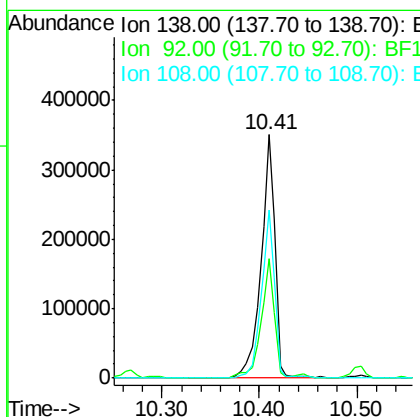
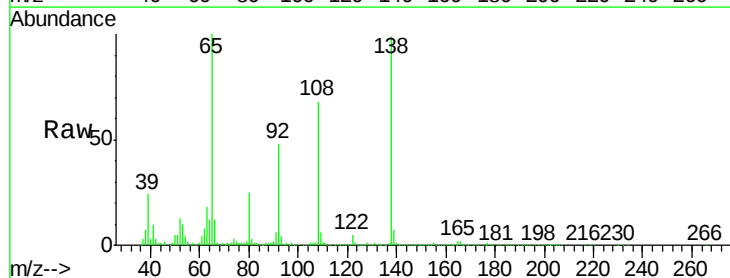
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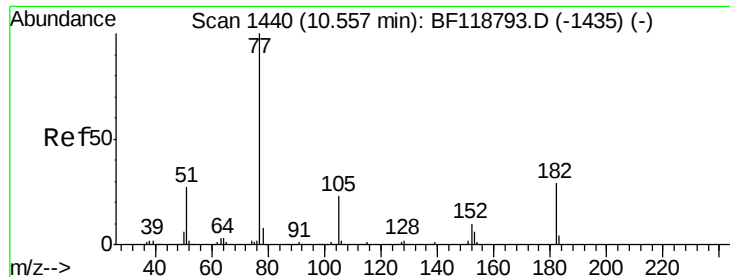
mohammad
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#62
4-Nitroaniline
Concen: 34.102 ng
RT: 10.41 min Scan# 1415
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
138	100		
92	48.9	27.6	67.6
108	68.8	51.3	91.3





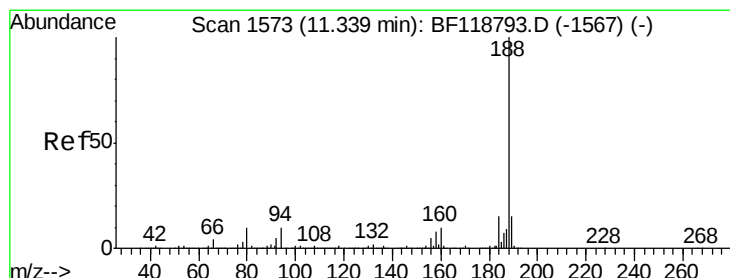
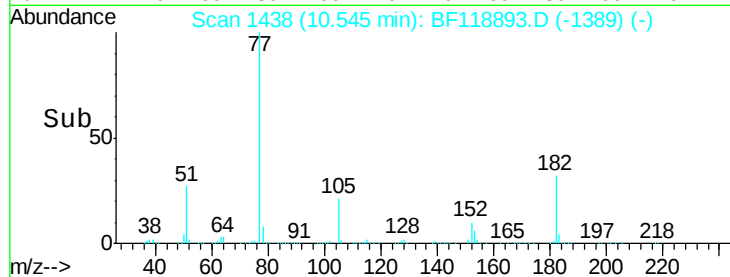
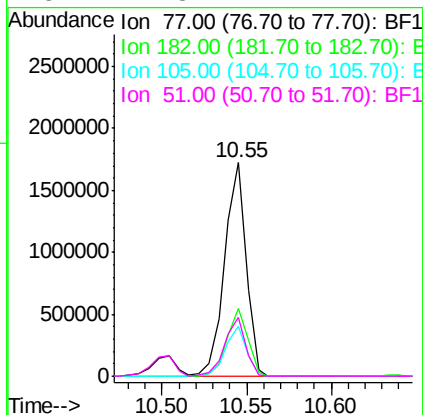
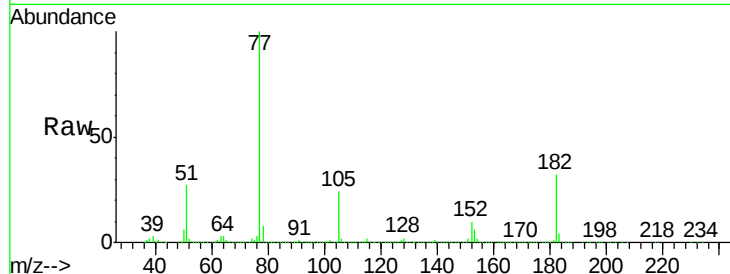
#63
Azobenzene
Concen: 44.398 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampled :
SP-3MS

Tot Ion	Ion	Ratio	Lower	Upper
77	100			
182	31.6	9.2	49.2	
105	23.6	3.1	43.1	
51	27.3	7.4	47.4	

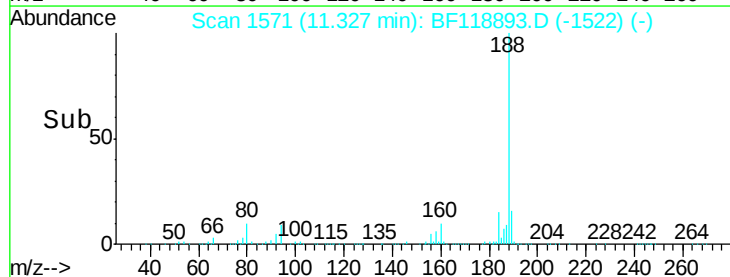
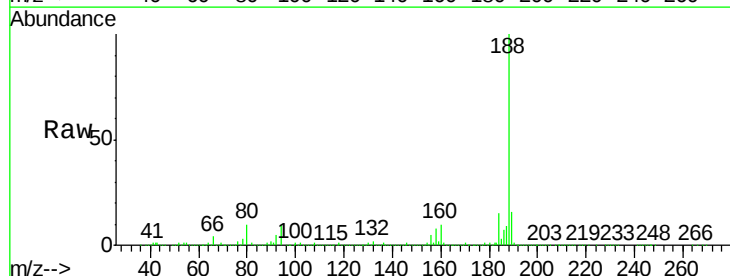
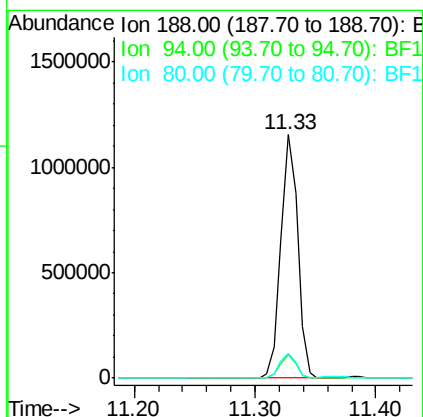
Manual Integrations
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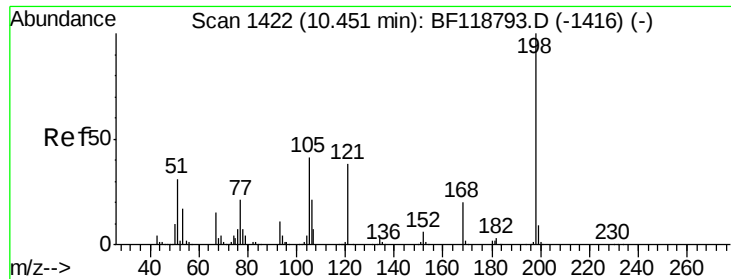
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ion	Ratio	Lower	Upper
188	100			
94	9.6	7.9	11.9	
80	10.4	8.4	12.6	





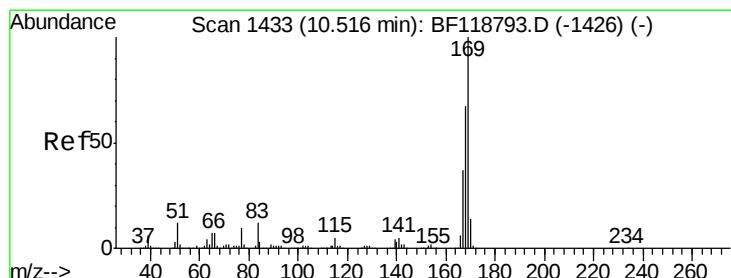
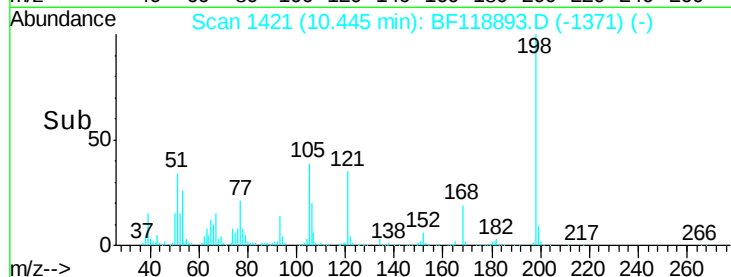
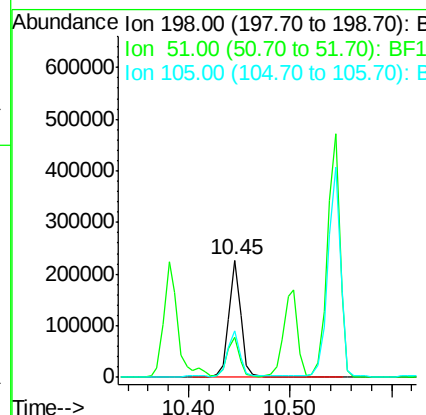
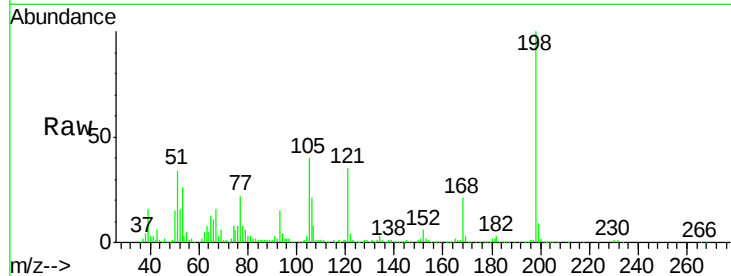
#65
4,6-Dinitro-2-methylphenol
Concen: 30.349 ng
RT: 10.45 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
198	100	188741		
51	34.3	16.7	56.7	
105	39.7	22.0	62.0	

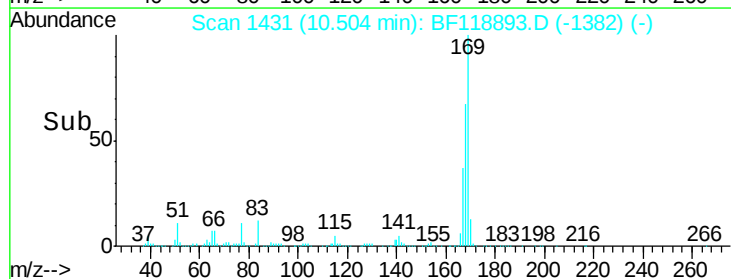
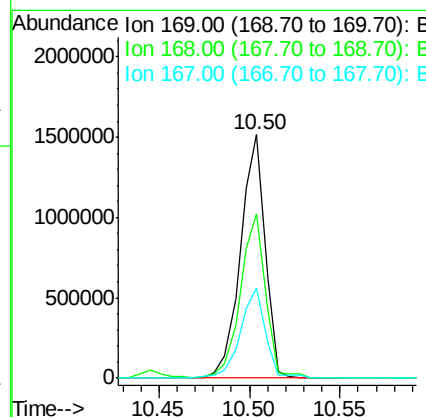
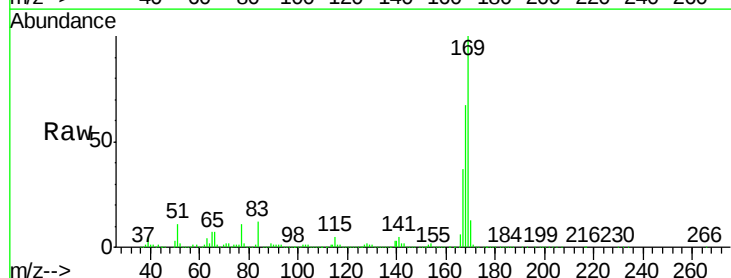
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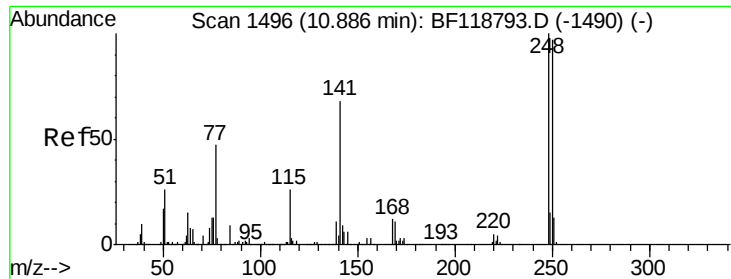
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#66
n-Nitrosodiphenylamine
Concen: 44.397 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
169	100	1423318		
168	67.4	53.5	80.3	
167	36.9	29.3	43.9	





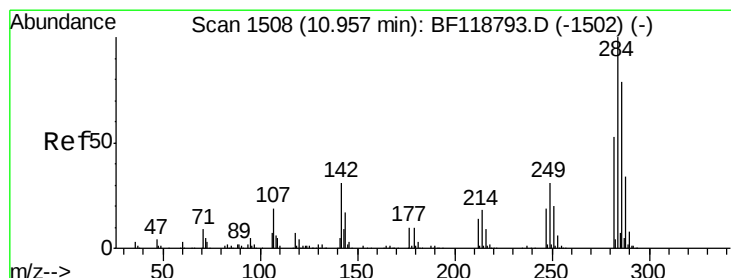
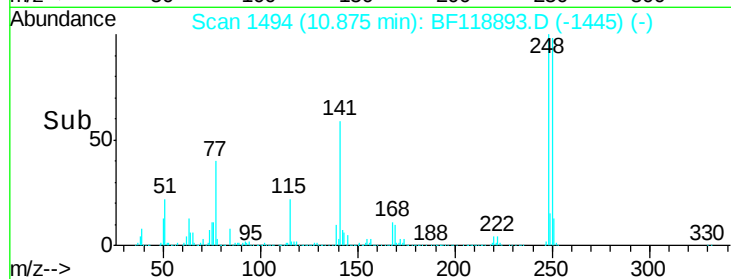
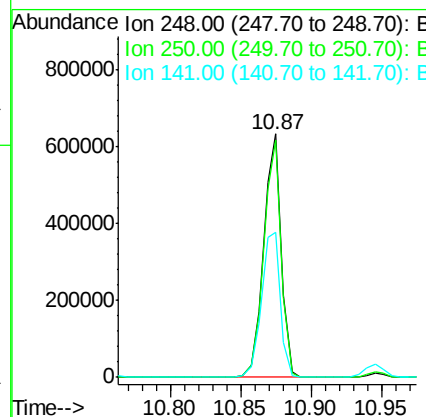
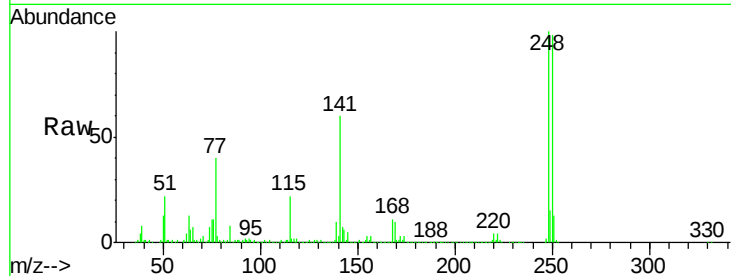
#67
4-Bromophenyl-phenylether
Concen: 42.562 ng
RT: 10.87 min Scan# 1494
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.7	77.6	116.4
141	59.6	54.4	81.6

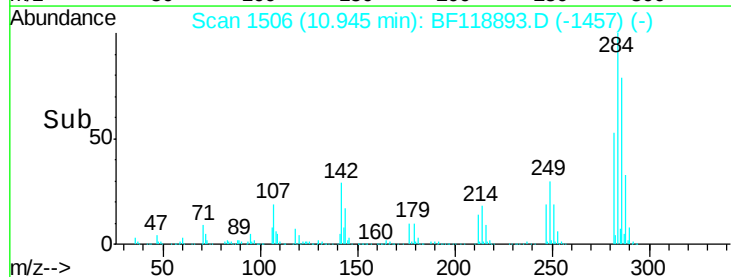
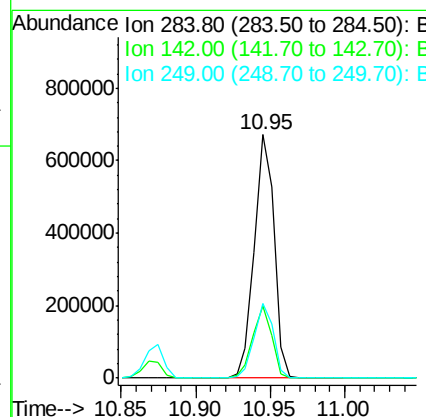
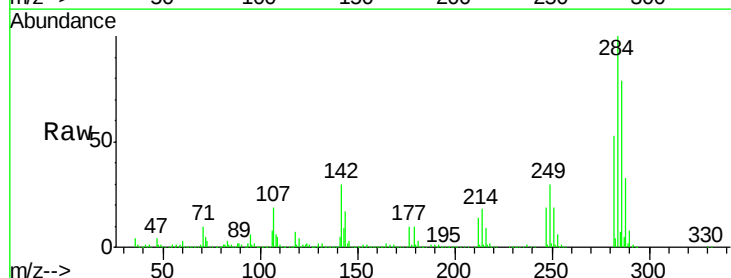
Manual Integrations
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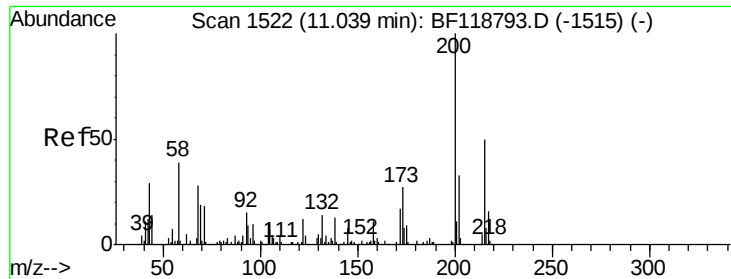
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#68
Hexachlorobenzene
Concen: 40.842 ng
RT: 10.95 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
284	100		
142	29.7	24.5	36.7
249	30.5	24.7	37.1





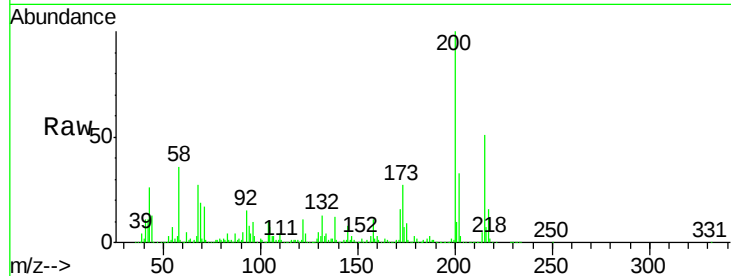
#69
Atrazine
Concen: 47.719 ng
RT: 11.03 min Scan# 1521
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

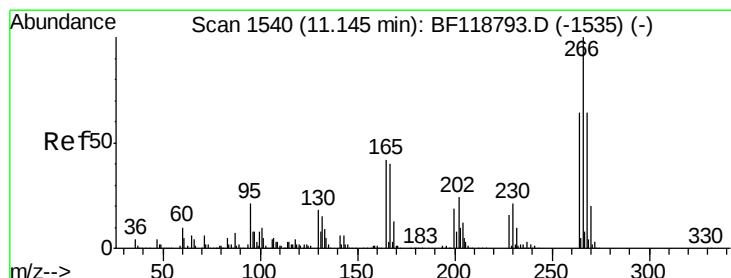
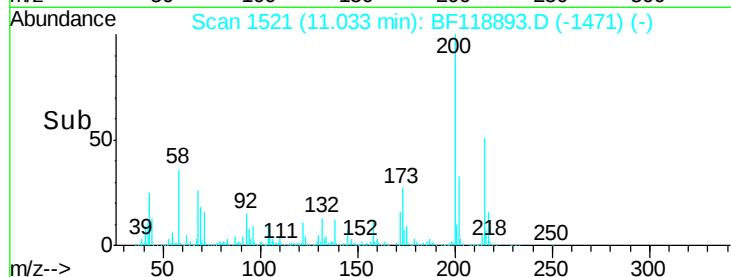
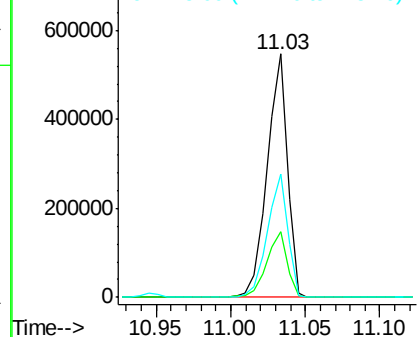
Tot Ion	Ratio	Resp	Lower	Upper
200	100	509668		
173	26.8	7.5	47.5	
215	50.6	29.9	69.9	

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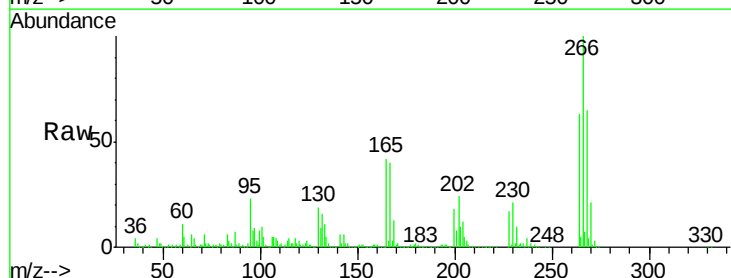


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

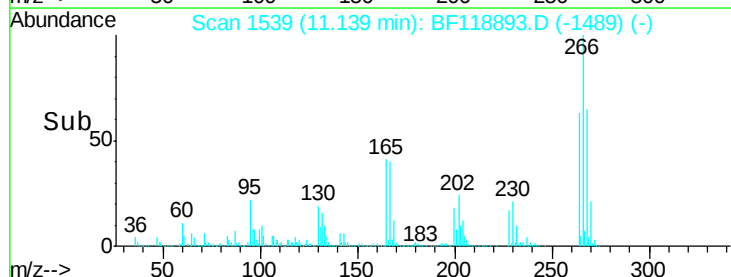
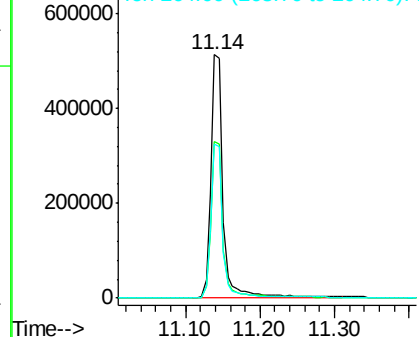


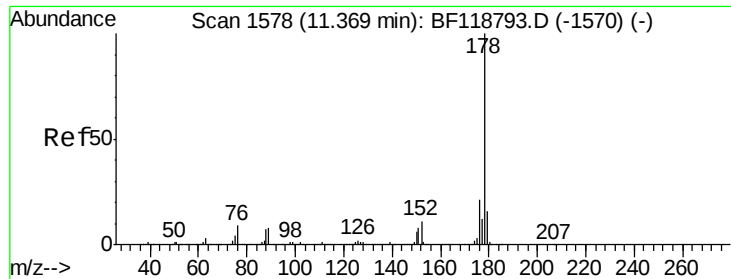
#70
Pentachlorophenol
Concen: 74.706 ng
RT: 11.14 min Scan# 1539
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	592367		
268	64.5	51.0	76.6	
264	63.3	51.4	77.2	



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 46.544 ng

RT: 11.36 min Scan# 1576

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion:178 Resp: 2534514

Ion Ratio Lower Upper

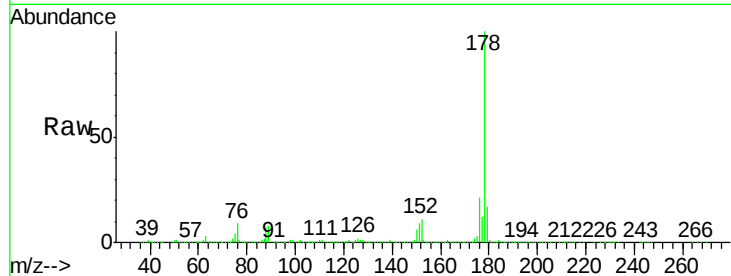
178 100

176 21.2 16.6 24.8

179 16.6 13.2 19.8

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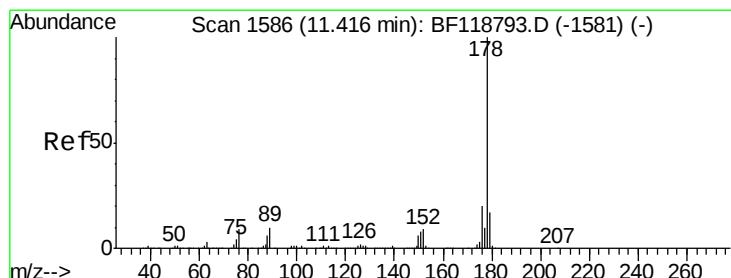
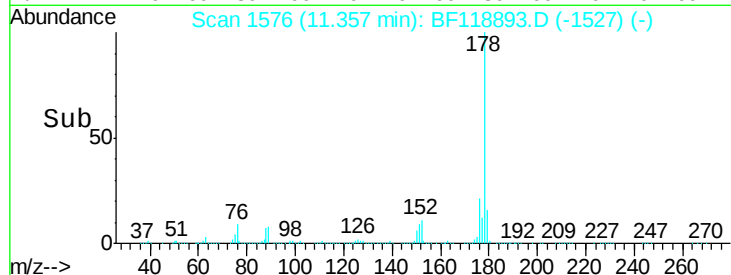
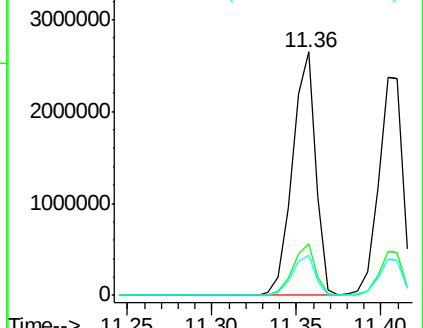
mohammad
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 44.090 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Tgt Ion:178 Resp: 2388461

Ion Ratio Lower Upper

178 100

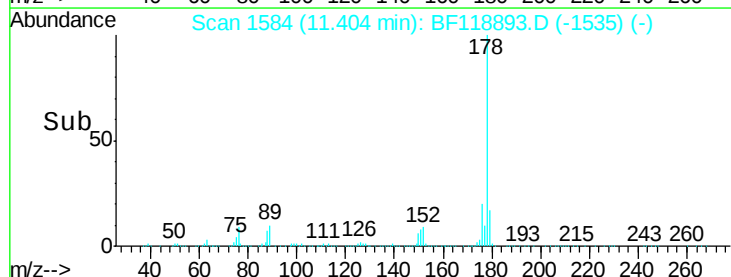
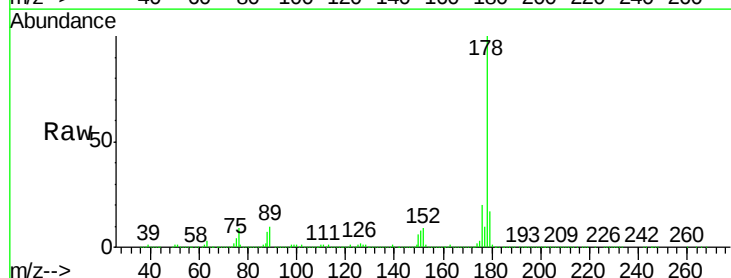
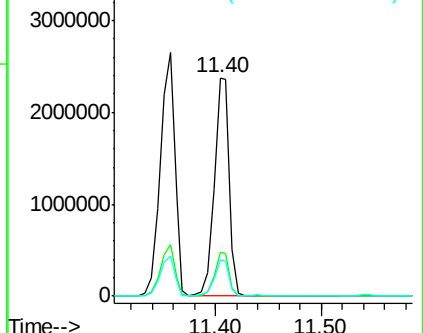
176 19.9 16.2 24.2

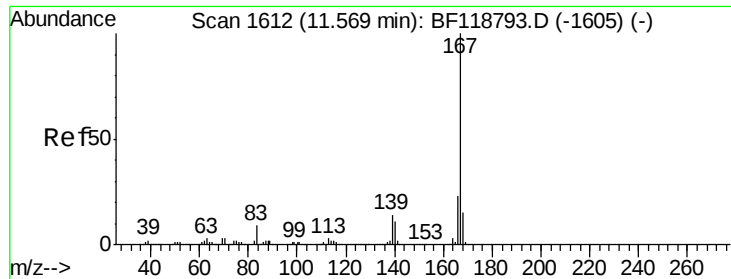
179 16.7 13.4 20.2

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





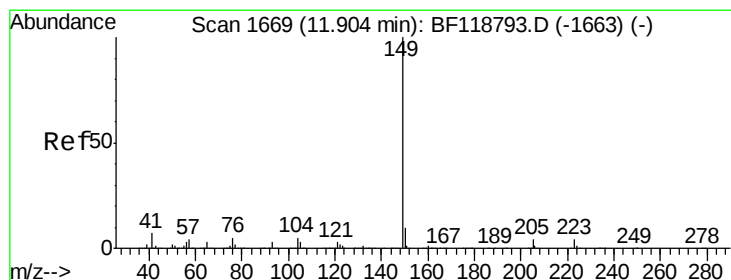
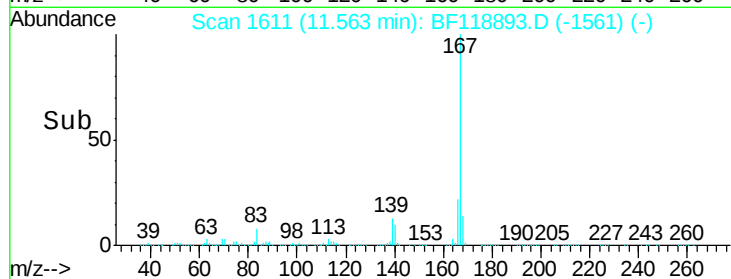
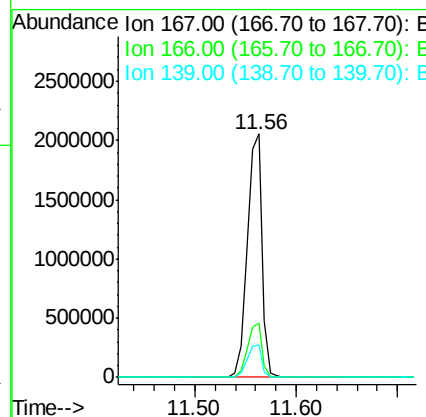
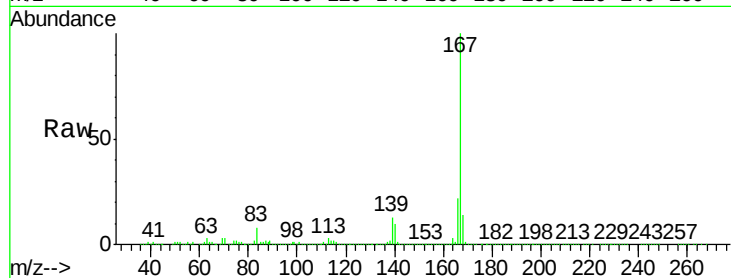
#73
 Carbazole
 Concen: 43.205 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Instrument :
 BNA_F
 ClientSampleId :
 SP-3MS

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.4	18.4	27.6
139	13.1	11.1	16.7

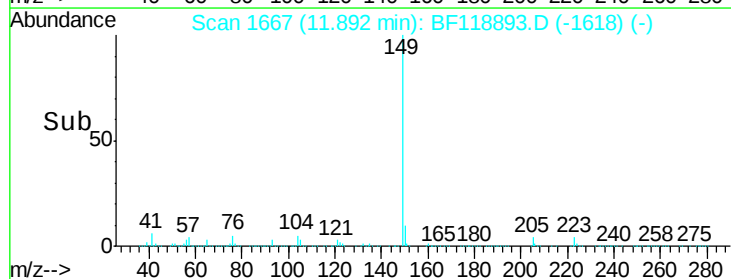
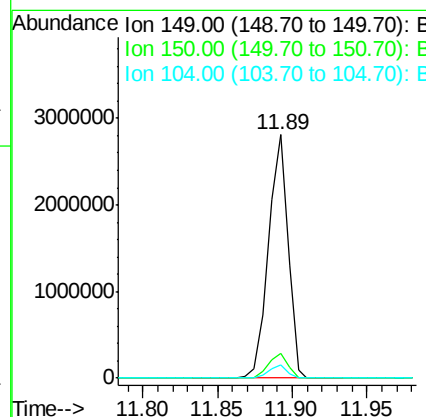
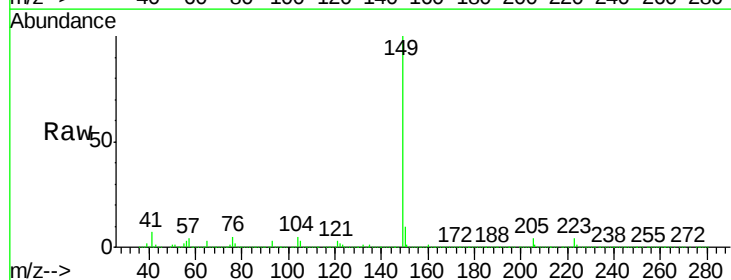
Manual Integrations
 APPROVED

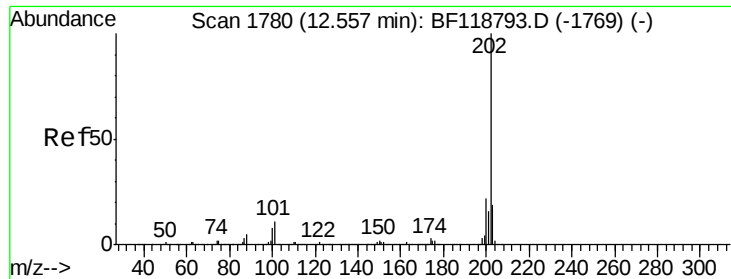
mohammad
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#74
 Di-n-butylphthalate
 Concen: 41.457 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.01 min
 Lab File: BF118893.D
 Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.1	8.1	12.1
104	5.3	4.3	6.5





#75

Fluoranthene

Concen: 43.755 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

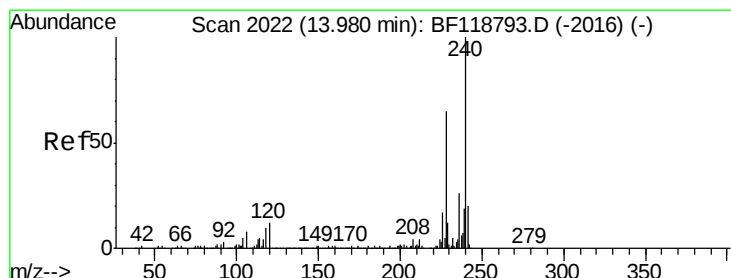
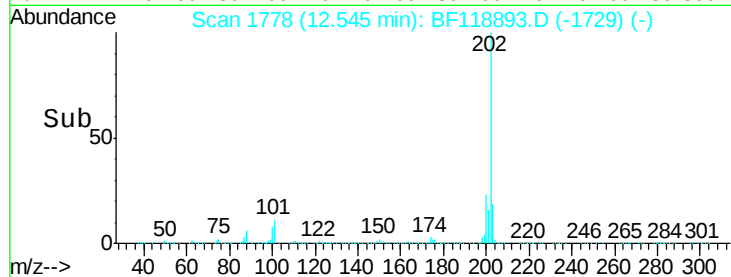
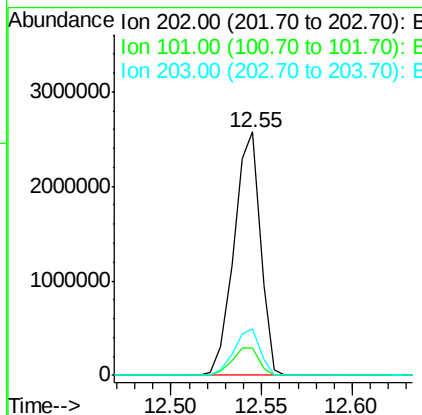
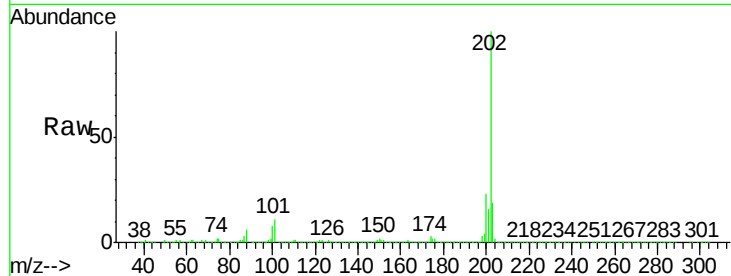
ClientSampleId :

SP-3MS

Tot Ion:	202	Resp:	2601457
Ion Ratio	Lower	Upper	
202	100		
101	11.2	0.0	31.0
203	19.3	0.0	38.7

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#76

Chrysene-d12

Concen: 20.000 ng

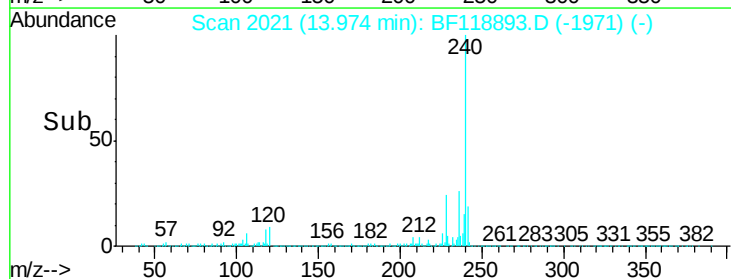
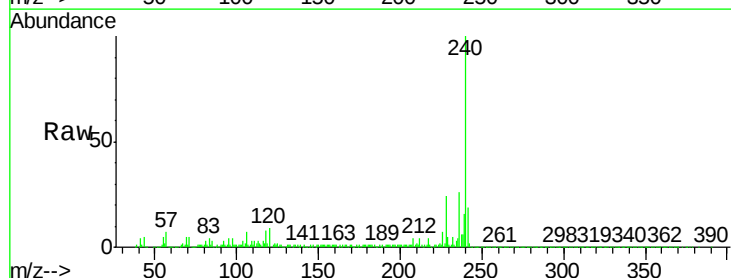
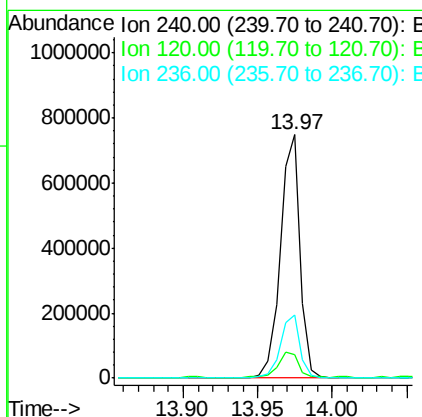
RT: 13.97 min Scan# 2021

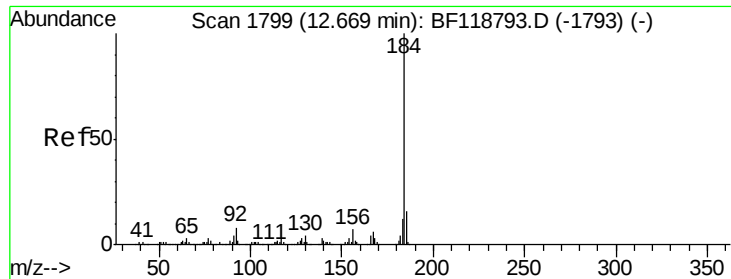
Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Tgt Ion:	240	Resp:	685467
Ion Ratio	Lower	Upper	
240	100		
120	9.5	9.4	14.0
236	25.7	21.0	31.6





#77

Benzidine

Concen: 36.044 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

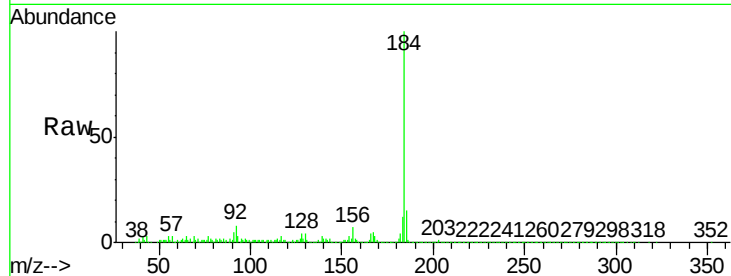
ClientSampleId :

SP-3MS

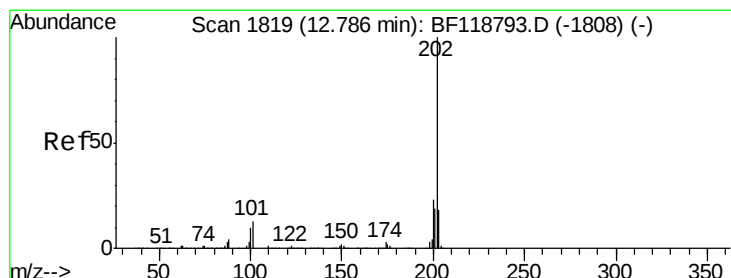
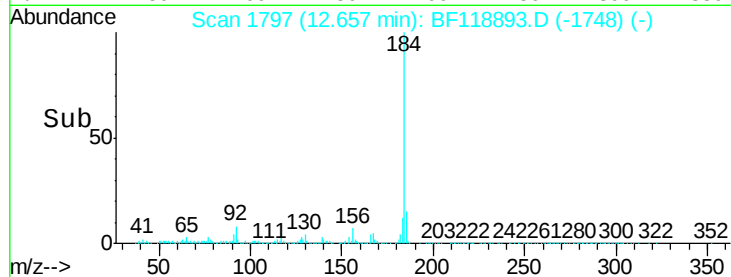
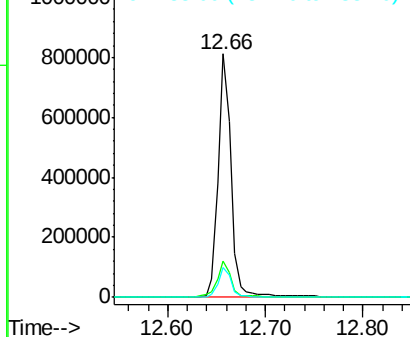
Tot Ion:	184	Resp:	747271
Ion Ratio	Lower	Upper	
184	100		
185	15.1	12.5	18.7
183	12.2	9.7	14.5

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Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 52.704 ng

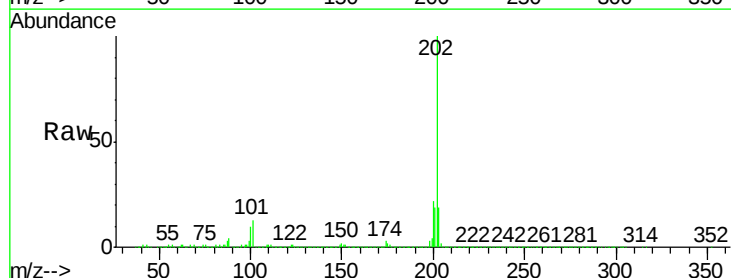
RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

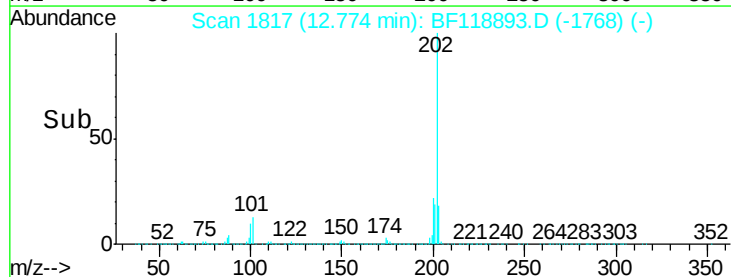
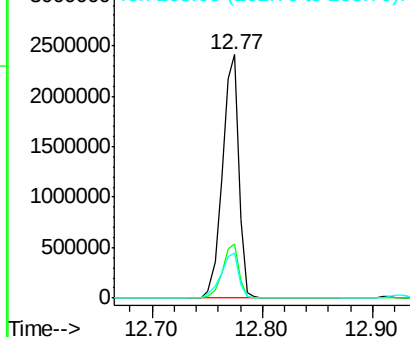
Lab File: BF118893.D

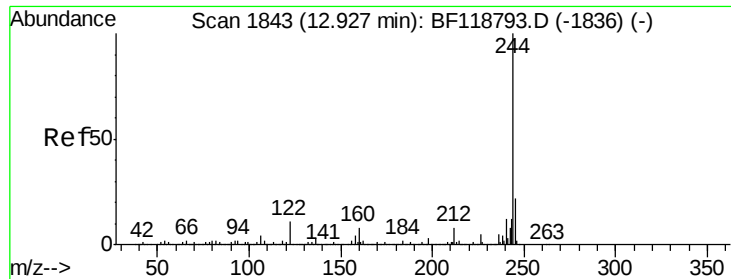
Acq: 11 Feb 2020 19:36

Tgt Ion:	202	Resp:	2478376
Ion Ratio	Lower	Upper	
202	100		
200	22.3	18.2	27.2
203	18.5	14.8	22.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 86.597 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion:244 Resp: 2889875

Ion Ratio Lower Upper

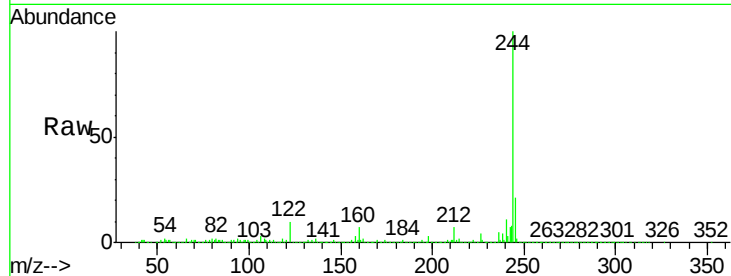
244 100

212 7.4 6.5 9.7

122 9.7 8.9 13.3

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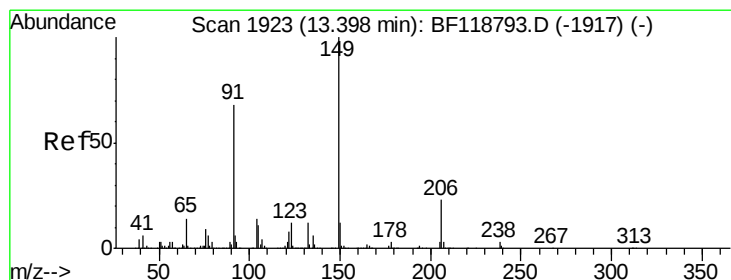
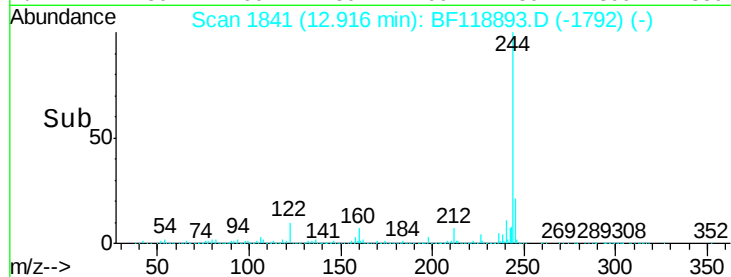
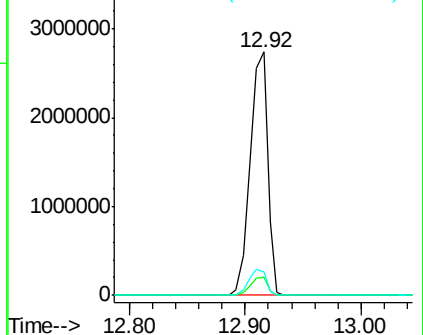
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 45.946 ng

RT: 13.39 min Scan# 1921

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

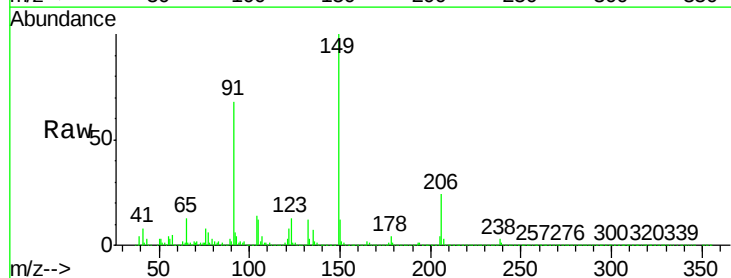
Tgt Ion:149 Resp: 986171

Ion Ratio Lower Upper

149 100

91 67.5 54.7 82.1

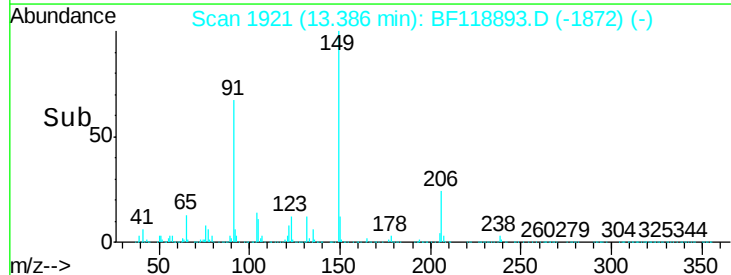
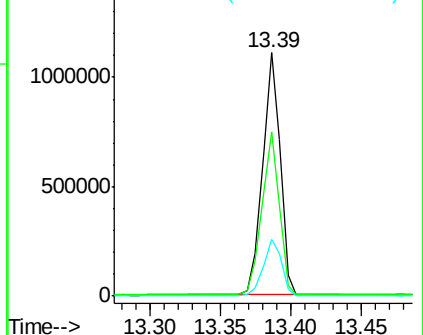
206 23.6 18.5 27.7

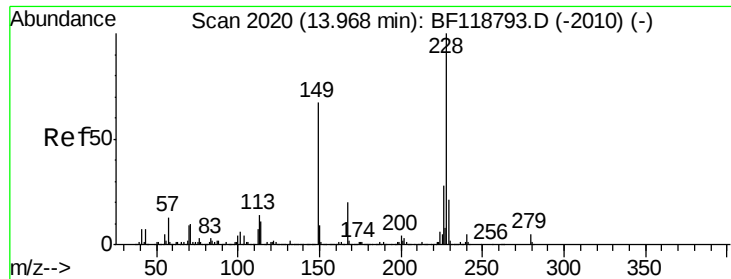


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 46.784 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampled :

SP-3MS

Tot Ion:228 Resp: 1908278

Ion Ratio Lower Upper

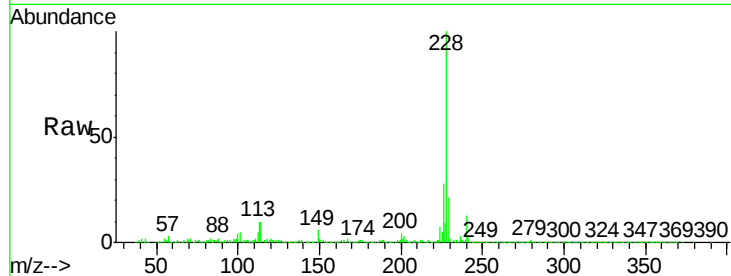
228 100

226 28.3 22.7 34.1

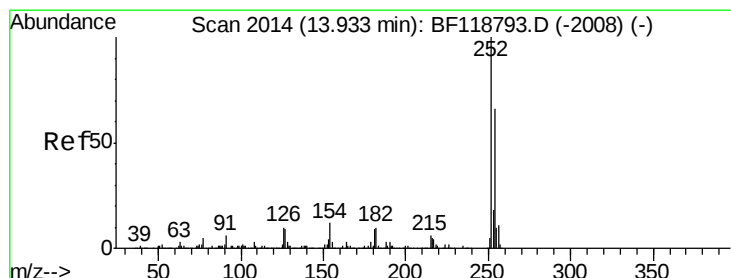
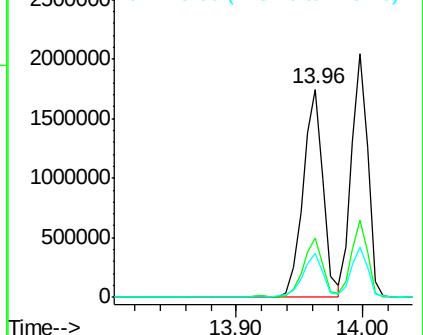
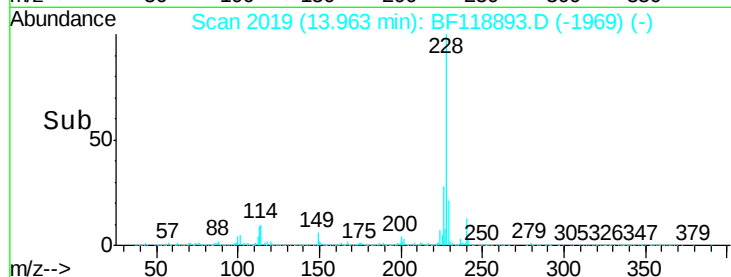
229 21.0 16.6 25.0

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



#82

3,3'-Dichlorobenzidine

Concen: 29.359 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

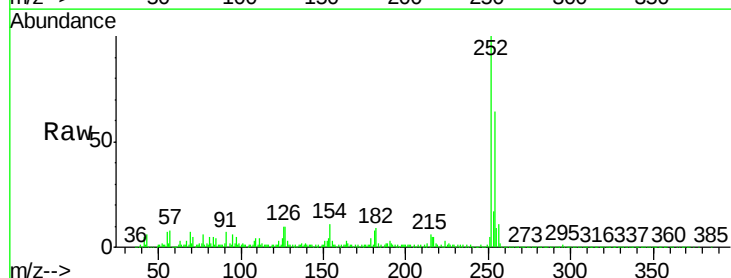
Tgt Ion:252 Resp: 489790

Ion Ratio Lower Upper

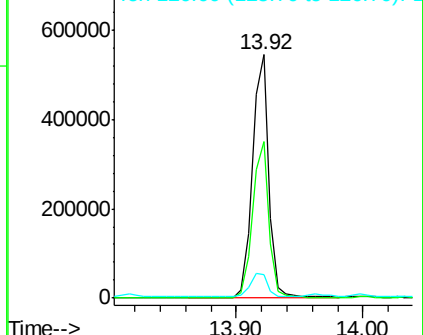
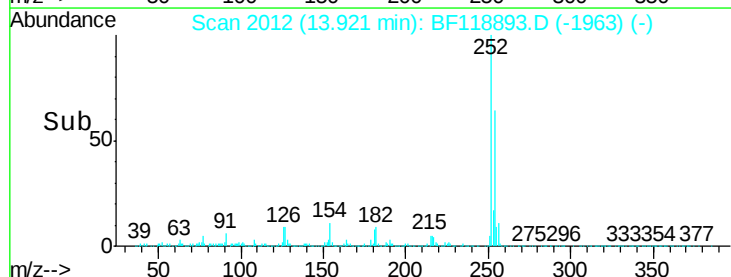
252 100

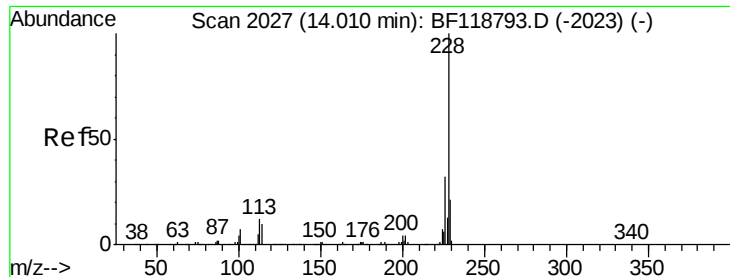
254 64.2 52.4 78.6

126 9.6 7.8 11.8



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





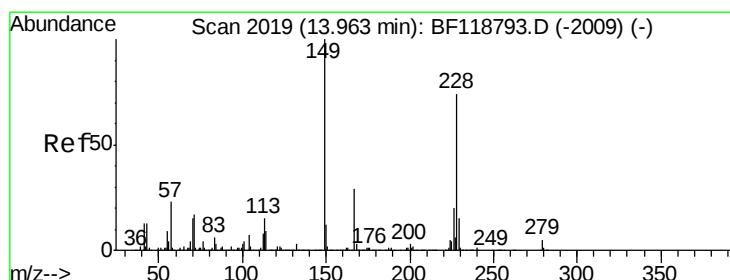
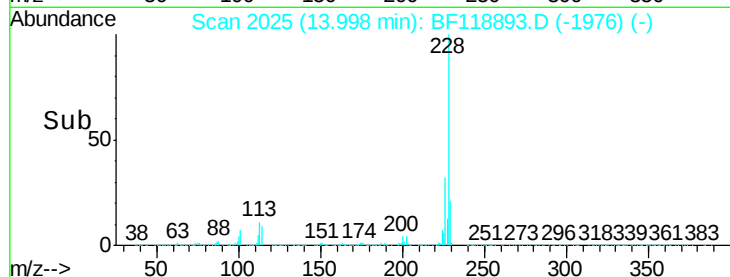
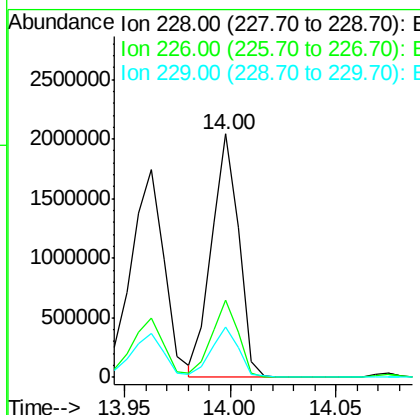
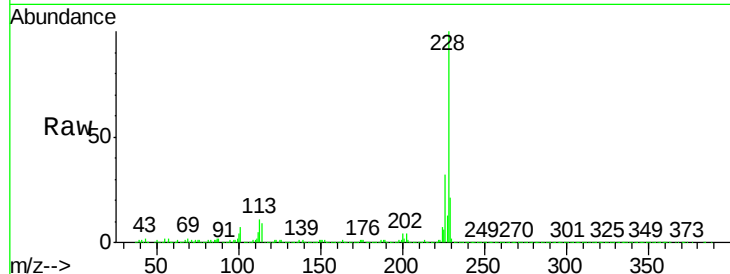
#83
Chrysene
Concen: 44.513 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion:228 Resp: 1822274
Ion Ratio Lower Upper
228 100
226 31.7 25.4 38.0
229 20.9 16.9 25.3

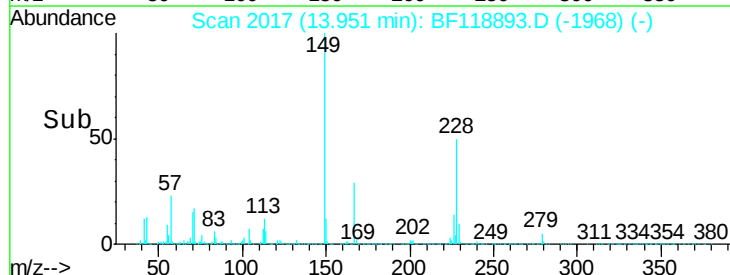
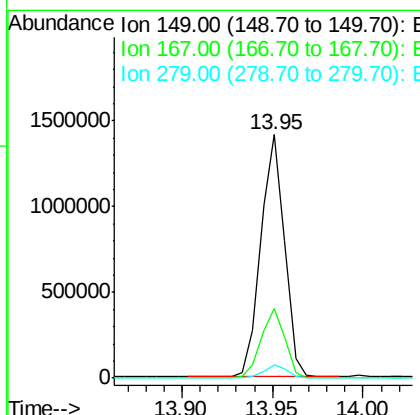
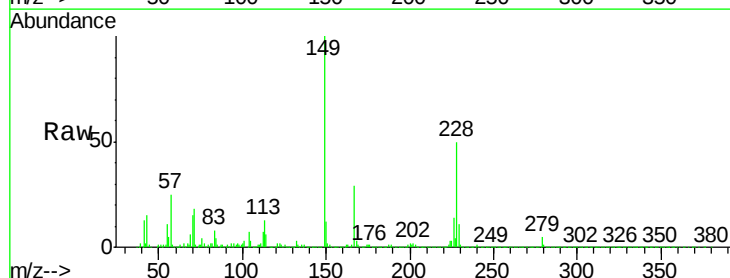
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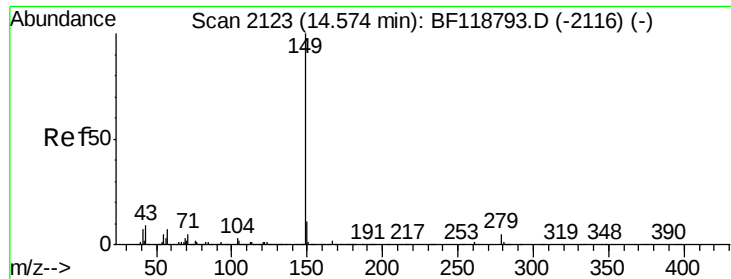
mohammad
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#84
Bis(2-ethylhexyl)phthalate
Concen: 47.222 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion:149 Resp: 1285916
Ion Ratio Lower Upper
149 100
167 28.8 23.0 34.6
279 5.4 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 42.725 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampled :

SP-3MS

Tot Ion:149 Resp: 1993147

Ion Ratio Lower Upper

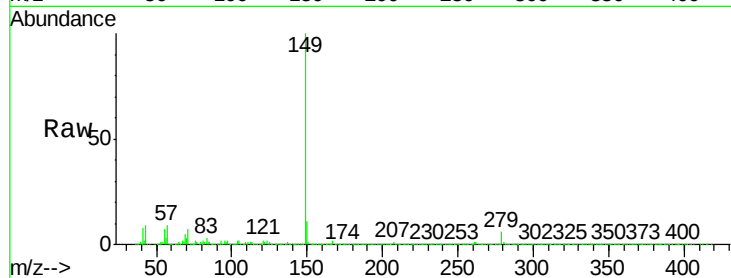
149 100

167 1.6 1.4 2.0

43 8.8 6.6 10.0

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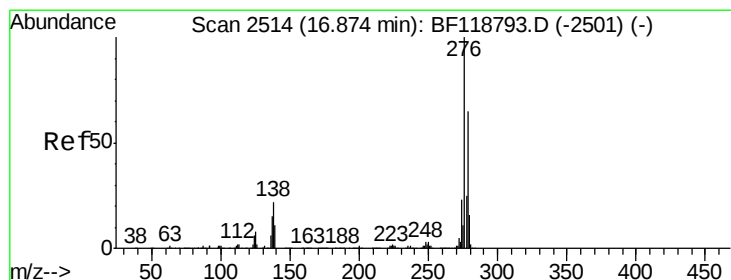
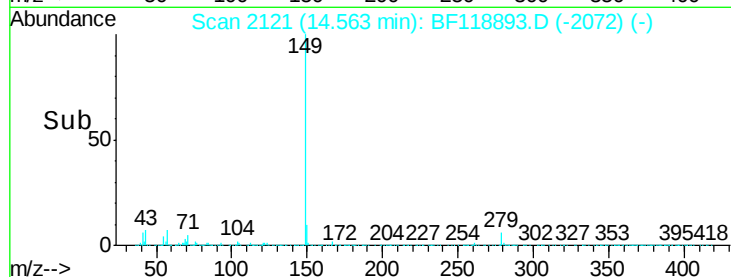
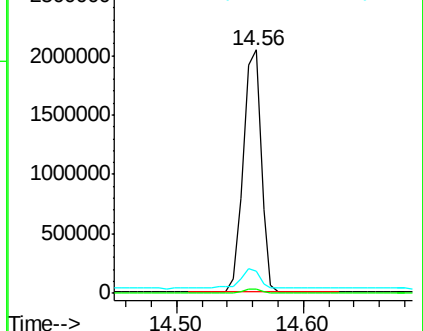
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Abundance Ion 149.00 (148.70 to 149.70): E

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: 55.195 ng

RT: 16.87 min Scan# 2514

Delta R.T. 0.00 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

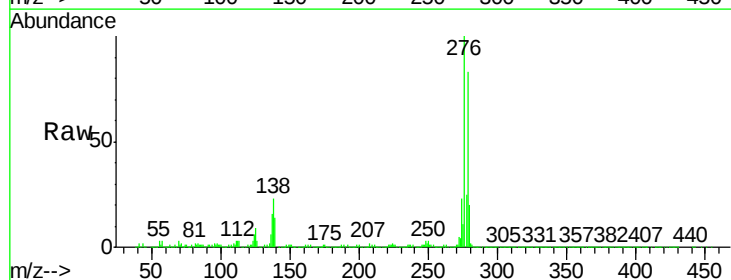
Tgt Ion:276 Resp: 2270278

Ion Ratio Lower Upper

276 100

138 22.8 18.3 27.5

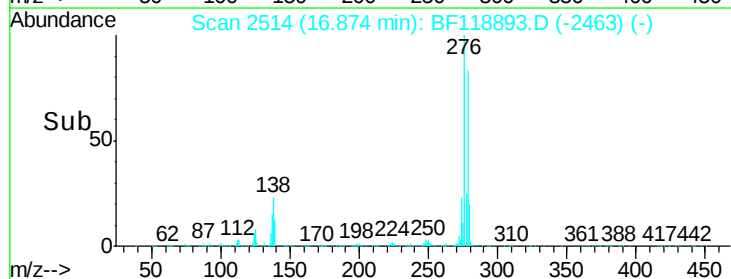
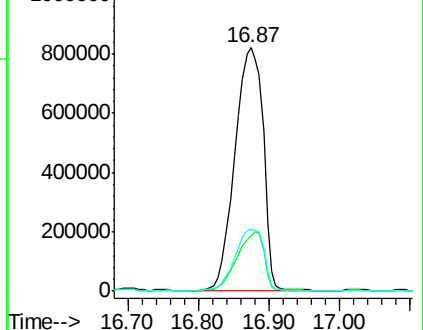
277 25.3 20.2 30.4

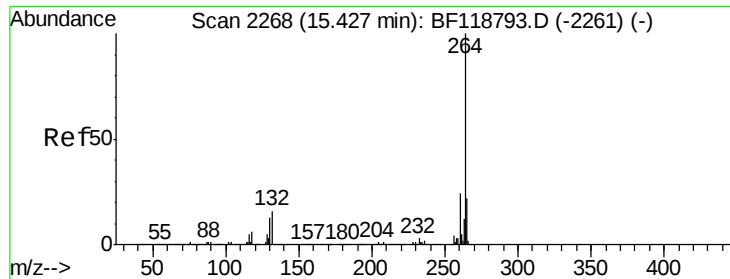


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





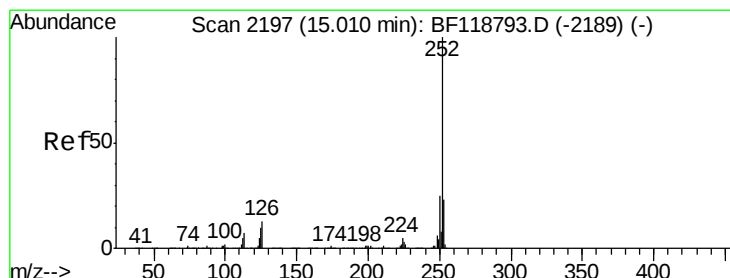
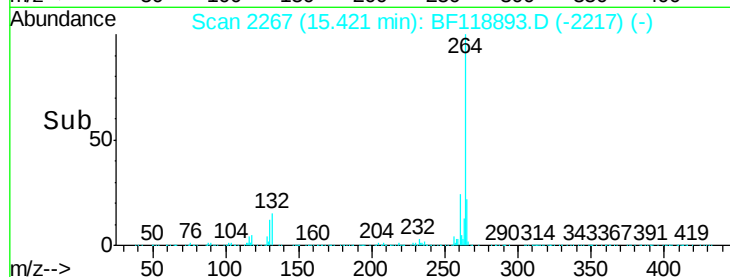
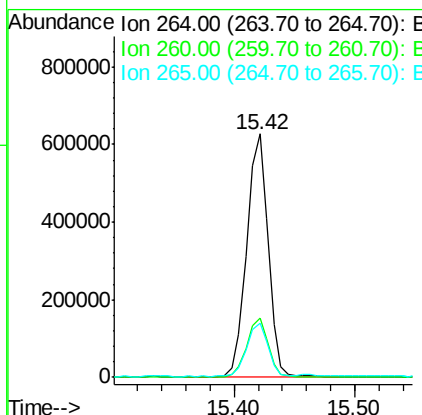
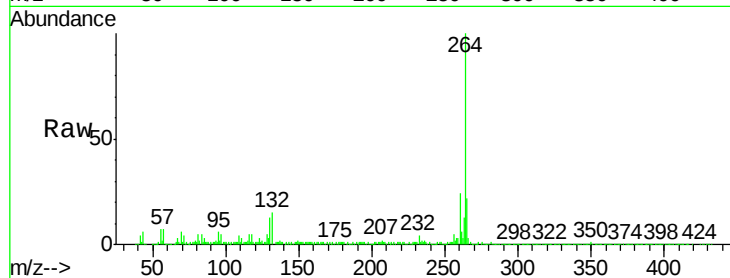
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.1	28.7
265	22.0	17.2	25.8

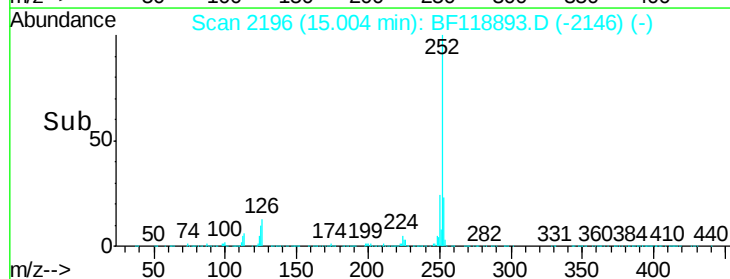
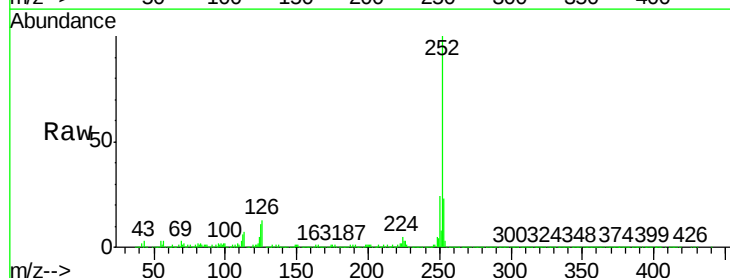
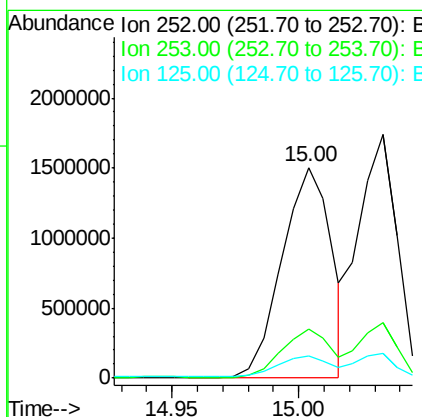
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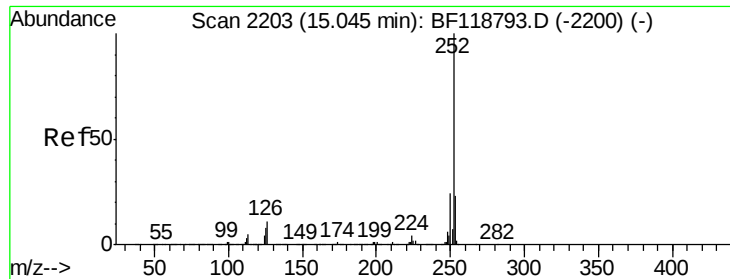
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#88
Benzo(b)fluoranthene
Concen: 42.228 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	10.5	8.1	12.1





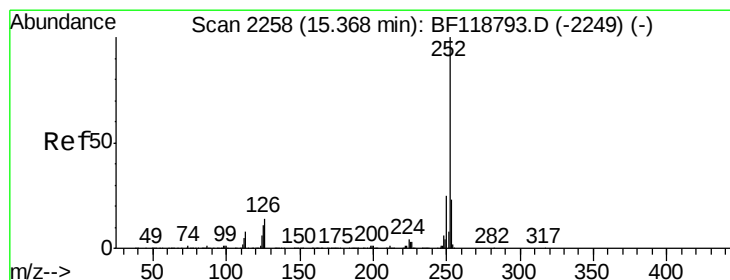
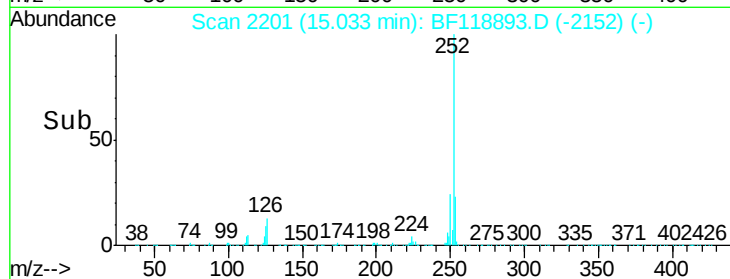
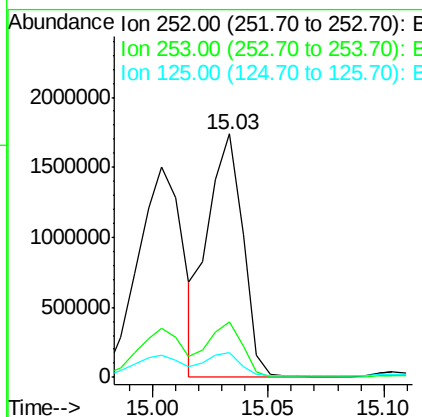
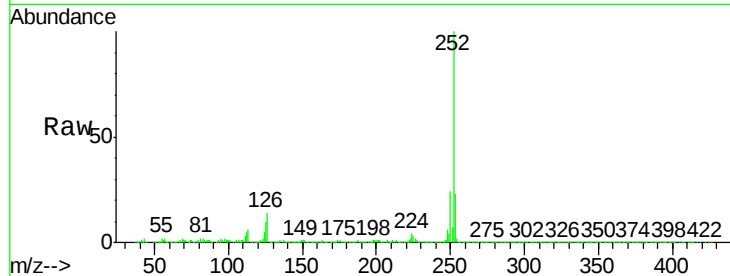
#89
Benzo(k)fluoranthene
Concen: 43.374 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Instrument :
BNA_F
ClientSampleId :
SP-3MS

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	10.0	7.0	10.6

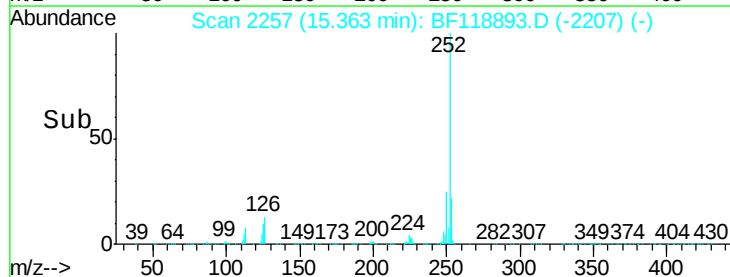
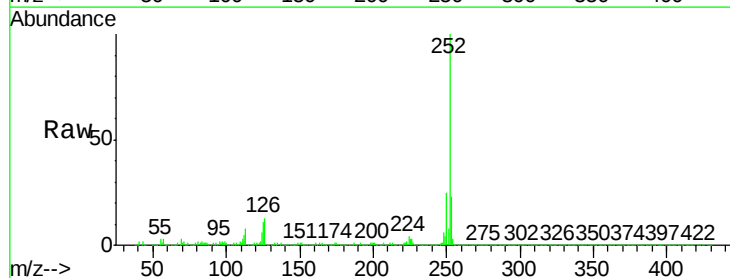
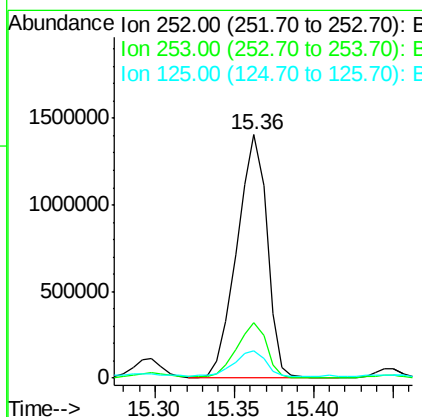
Manual Integrations
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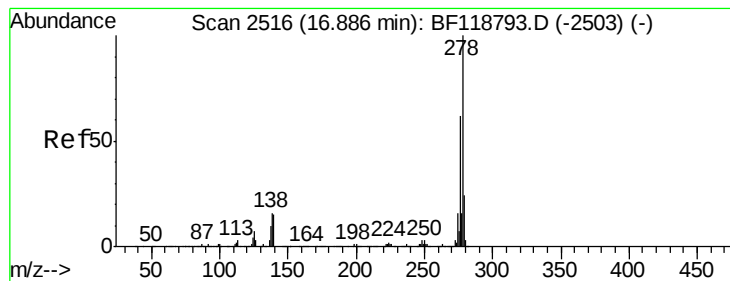
mohammad
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#90
Benzo(a)pyrene
Concen: 44.774 ng
RT: 15.36 min Scan# 2257
Delta R.T. -0.01 min
Lab File: BF118893.D
Acq: 11 Feb 2020 19:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.1	8.7	13.1





#91

Dibenzo(a,h)anthracene

Concen: 50.284 ng

RT: 16.89 min Scan# 2516

Delta R.T. 0.00 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

Instrument :

BNA_F

ClientSampleId :

SP-3MS

Tot Ion:278 Resp: 1841138

Ion Ratio Lower Upper

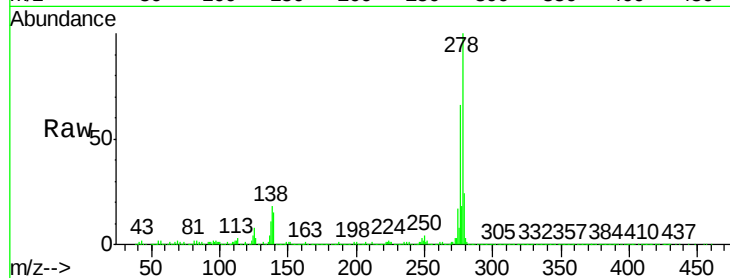
278 100

139 15.2 12.3 18.5

279 23.6 19.1 28.7

Manual Integrations
APPROVED

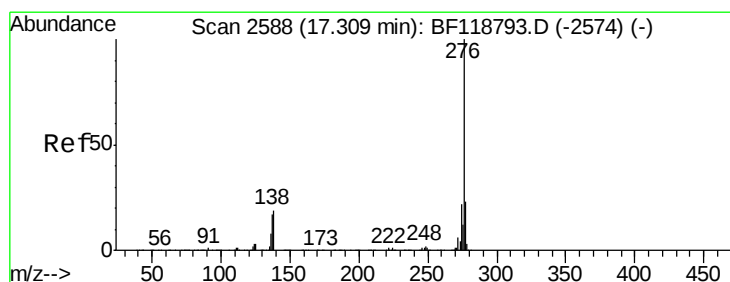
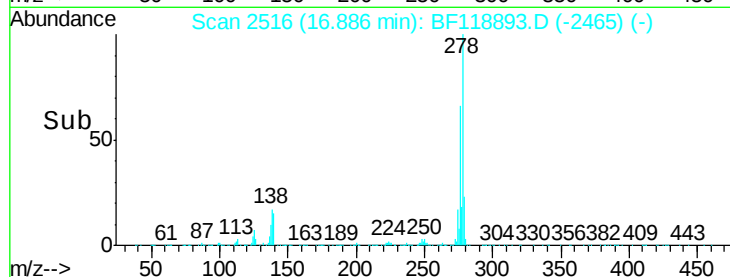
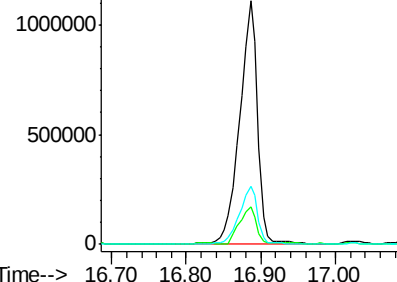
mohammad
2/12/2020 3:51:10 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 41.286 ng

RT: 17.31 min Scan# 2588

Delta R.T. 0.00 min

Lab File: BF118893.D

Acq: 11 Feb 2020 19:36

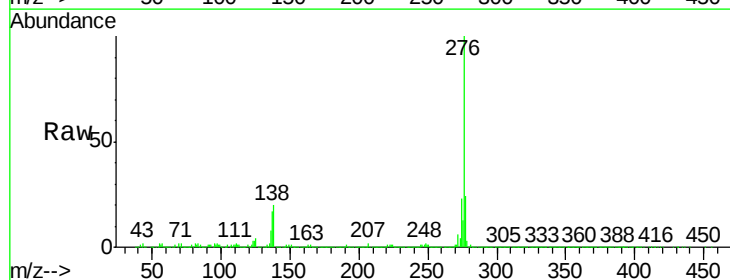
Tgt Ion:276 Resp: 1453800

Ion Ratio Lower Upper

276 100

277 24.1 18.7 28.1

138 19.6 15.4 23.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

