

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022420\
 Data File : BF119040.D
 Acq On : 25 Feb 2020 00:26
 Operator : CG/JU
 Sample : L1635-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 25 01:24:01 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 20 17:40:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	165920	20.00	ng	-0.01
21) Naphthalene-d8	8.03	136	639869	20.00	ng	-0.01
39) Acenaphthene-d10	9.79	164	342989	20.00	ng	0.00
64) Phenanthrene-d10	11.27	188	597523	20.00	ng	0.00
76) Chrysene-d12	13.90	240	369628	20.00	ng	0.00
87) Perylene-d12	15.33	264	380717	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	840665	84.67	ng	0.00
7) Phenol-d6	6.40	99	1006617	83.37	ng	0.00
23) Nitrobenzene-d5	7.32	82	669868	55.28	ng	-0.01
42) 2,4,6-Tribromophenol	10.57	330	343402	76.53	ng	0.00
45) 2-Fluorobiphenyl	9.11	172	1260917	54.16	ng	-0.01
79) Terphenyl-d14	12.85	244	1266403	58.99	ng	0.00

Target Compounds

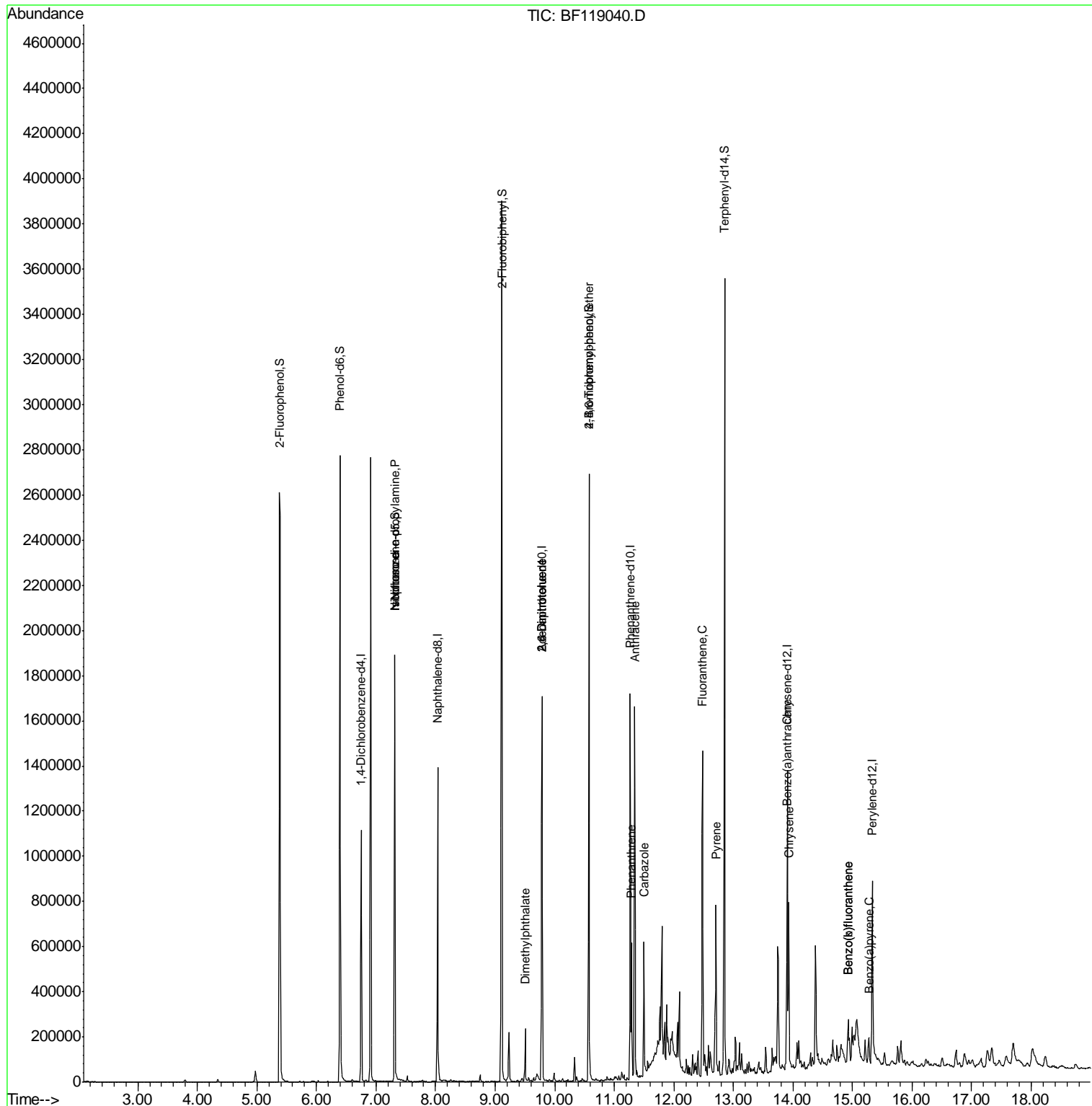
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.32	70	91283	12.974	ng	# 76
25) Isophorone	7.32	82	669863	31.828	ng	# 63
50) Dimethylphthalate	9.50	163	102584	3.911	ng	99
51) 2,6-Dinitrotoluene	9.79	165	43916	7.537	ng	# 30
57) 2,4-Dinitrotoluene	9.79	165	43916	5.814	ng	# 29
67) 4-Bromophenyl-phenylether	10.57	248	22689	2.905	ng	# 1
71) Phenanthrene	11.29	178	216982	6.659	ng	98
72) Anthracene	11.35	178	640684	19.678	ng	98
73) Carbazole	11.50	167	223855	7.718	ng	98
75) Fluoranthene	12.48	202	554363	16.027	ng	99
78) Pyrene	12.71	202	343606	11.577	ng	99
81) Benzo(a)anthracene	13.89	228	116929	4.643	ng	98
83) Chrysene	13.93	228	266681	10.627	ng	98
88) Benzo(b)fluoranthene	14.92	252	142139	5.664	ng	98
89) Benzo(k)fluoranthene	14.92	252	142139	6.112	ng	99
90) Benzo(a)pyrene	15.27	252	57148	2.523	ng	98

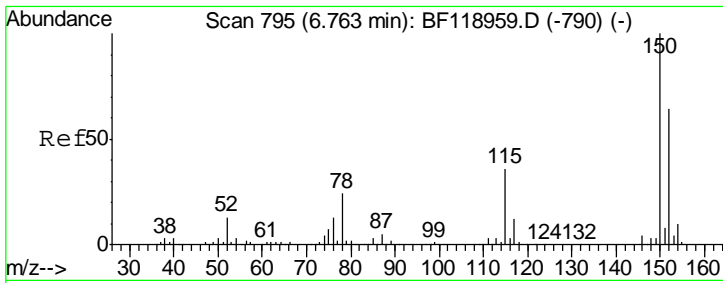
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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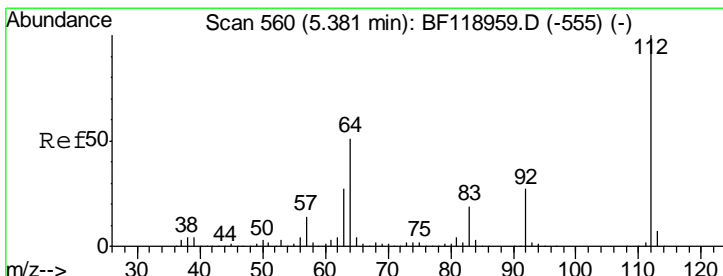
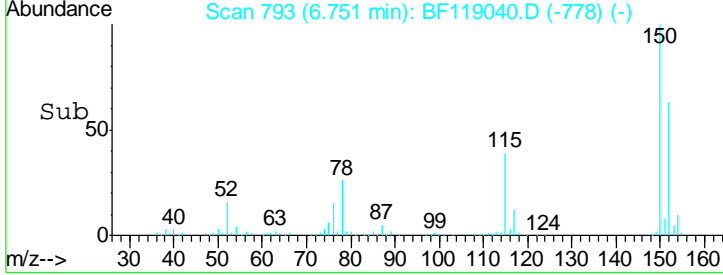
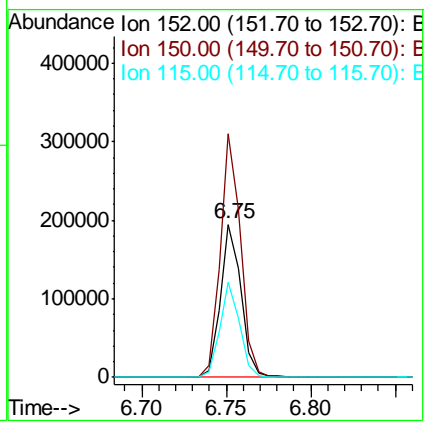
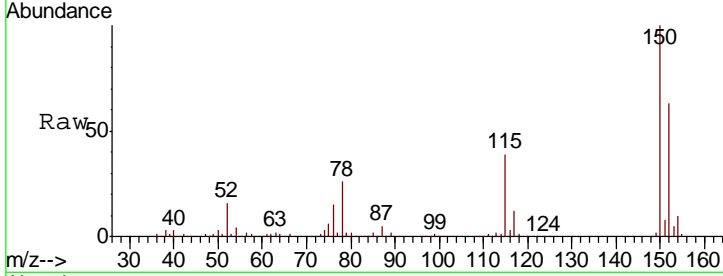




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.75 min Scan# 793
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

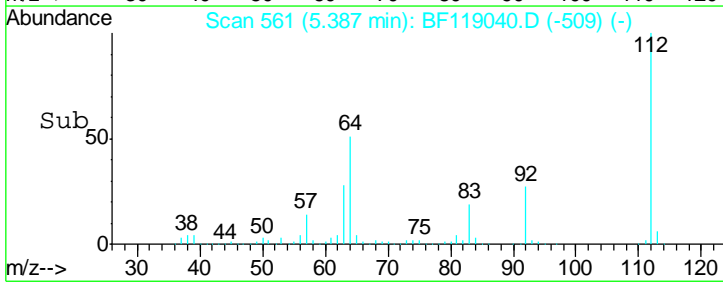
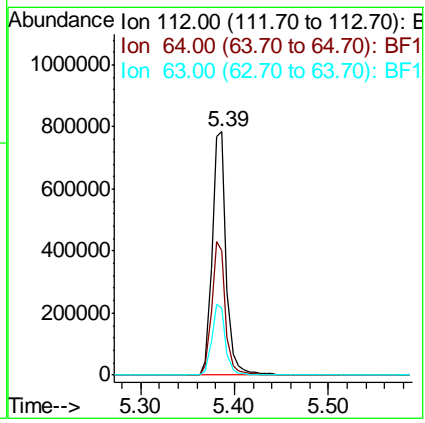
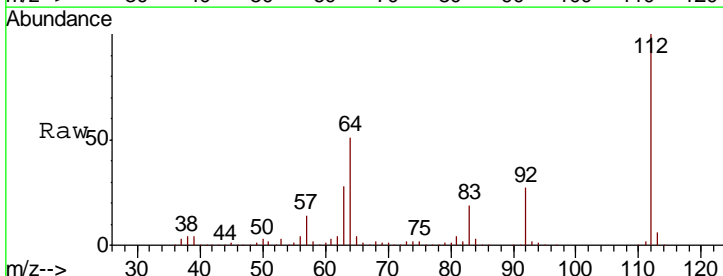
Instrument :
 BNA_F
 ClientSampled :

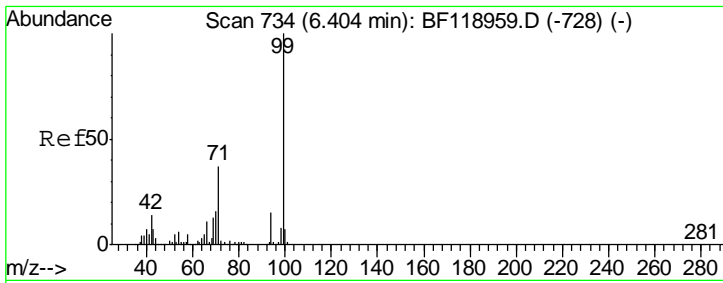
Tgt Ion	Resp	Lower	Upper
152	165920		
150	158.8	124.3	186.5
115	61.7	44.6	67.0



#5
 2-Fluorophenol
 Concen: 84.673 ng
 RT: 5.39 min Scan# 561
 Delta R.T. 0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
112	840665		
64	51.2	40.4	60.6
63	27.6	21.3	31.9

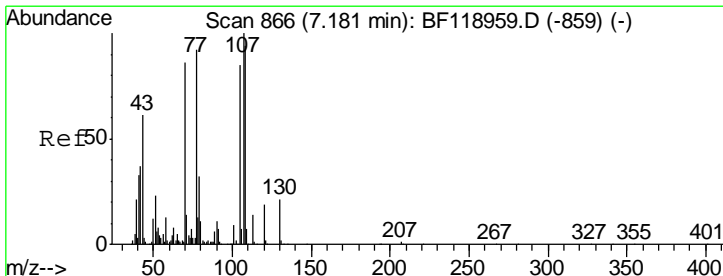
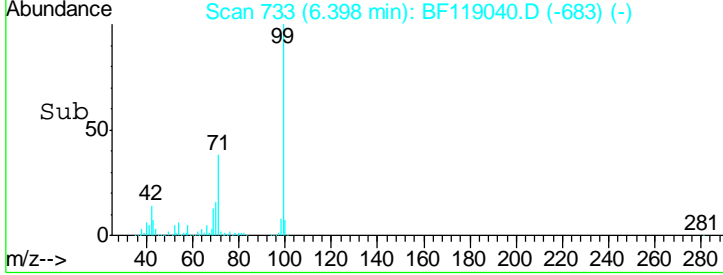
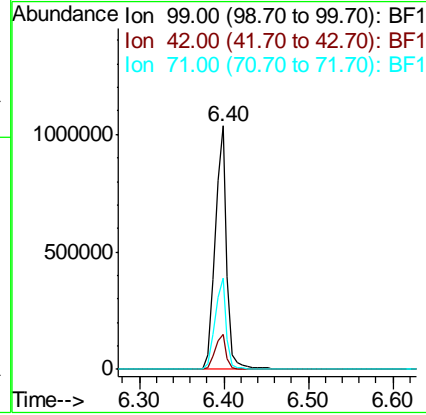
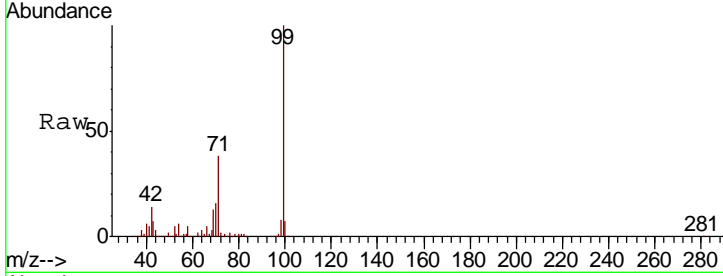




#7
 Phenol-d6
 Concen: 83.366 ng
 RT: 6.40 min Scan# 733
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

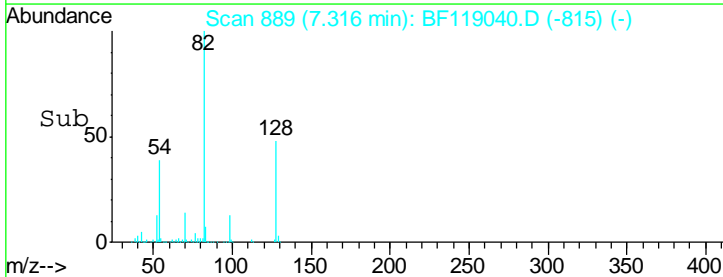
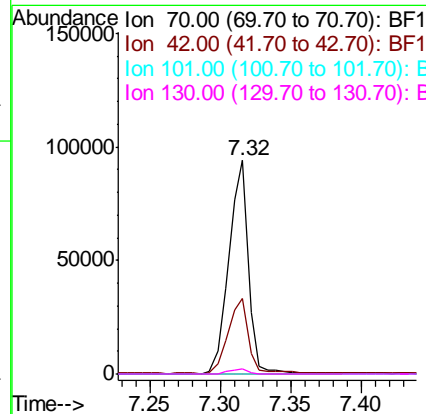
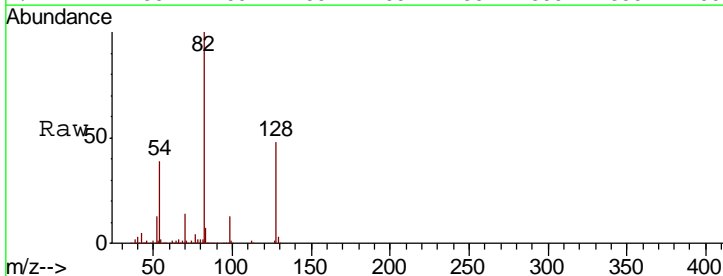
Instrument :
 BNA_F
 ClientSampled :

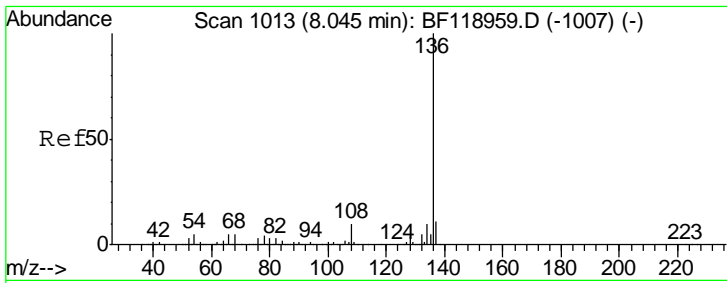
Tgt Ion	Resp	Lower	Upper
99	1006617		
42	14.3	11.4	17.0
71	37.7	29.8	44.6



#19
 n-Nitroso-di-n-propylamine
 Concen: 12.974 ng
 RT: 7.32 min Scan# 889
 Delta R.T. 0.14 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
70	91283		
42	35.3	34.6	51.8
101	0.0	8.1	12.1#
130	2.3	19.4	29.2#

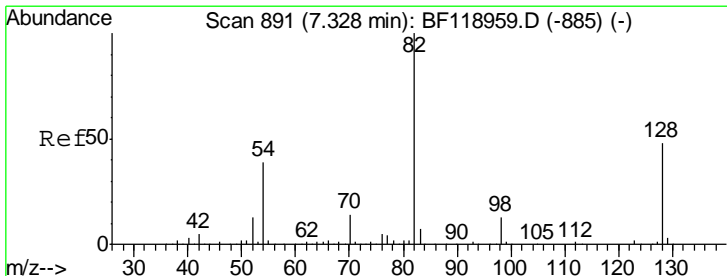
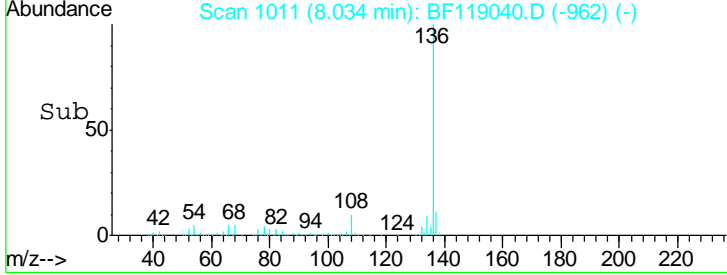
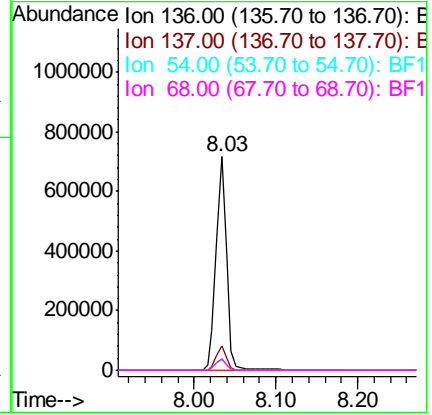
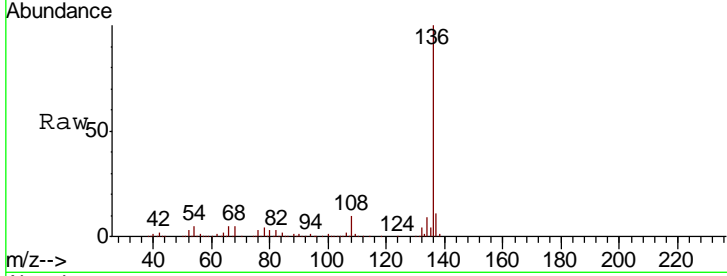




#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

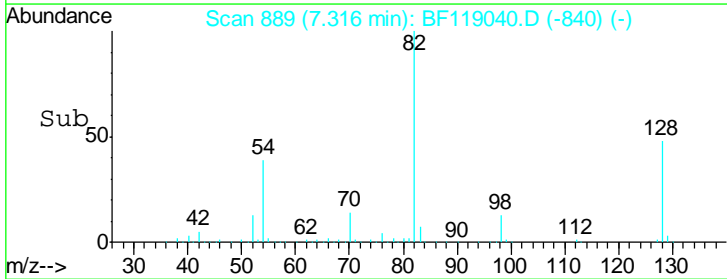
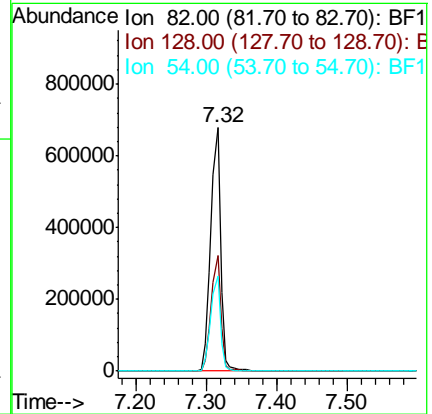
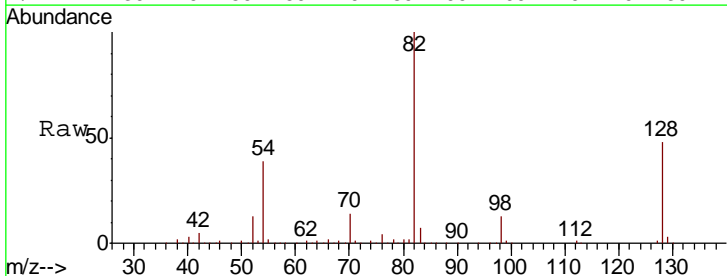
Instrument :
 BNA_F
 ClientSampled :

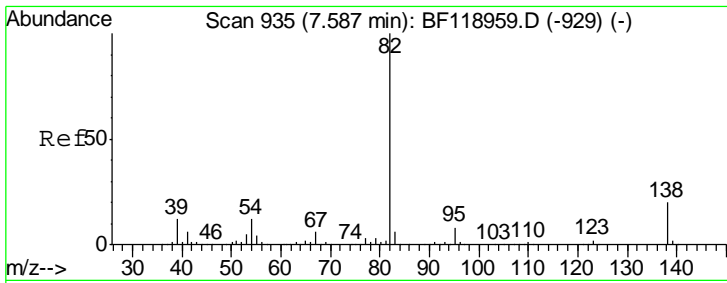
Tgt Ion	Resp	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	4.9	3.8	5.6
68	5.3	4.2	6.2



#23
 Nitrobenzene-d5
 Concen: 55.275 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
82	100		
128	47.7	38.2	57.2
54	39.2	31.3	46.9

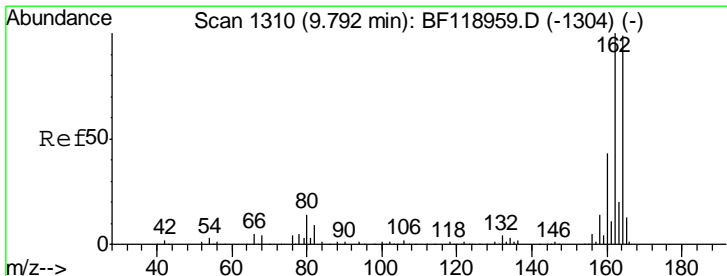
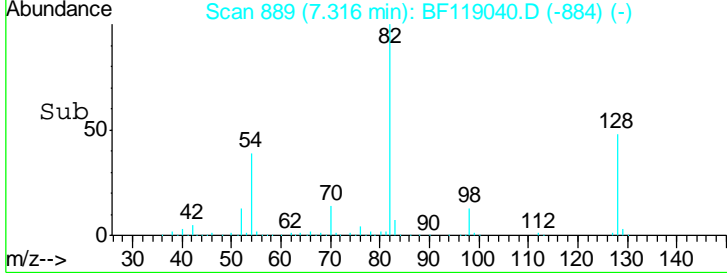
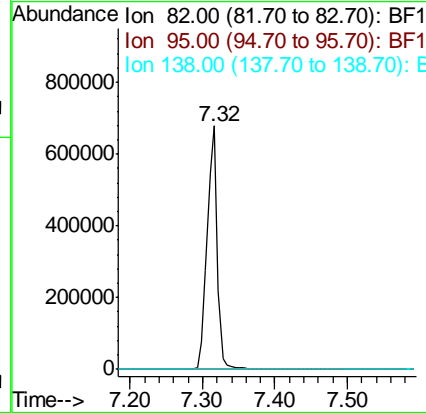
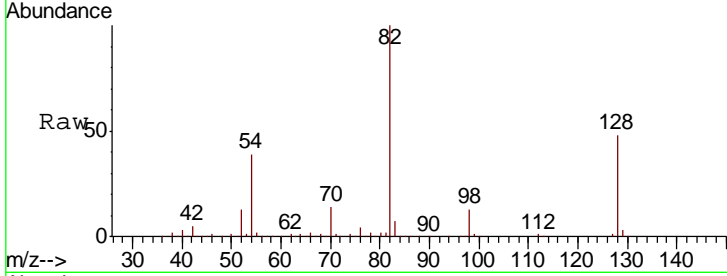




#25
 Isophorone
 Concen: 31.828 ng
 RT: 7.32 min Scan# 889
 Delta R.T. -0.27 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

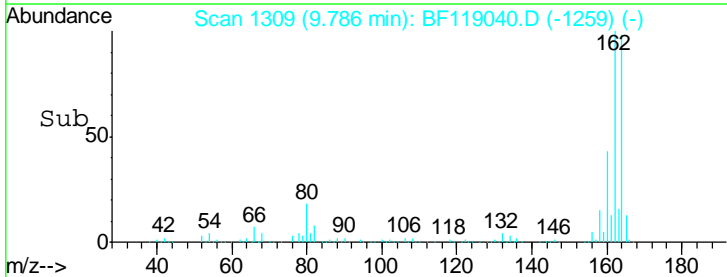
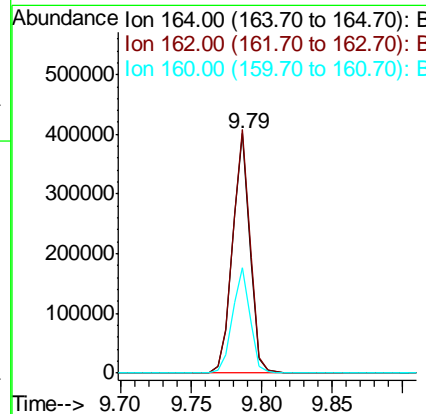
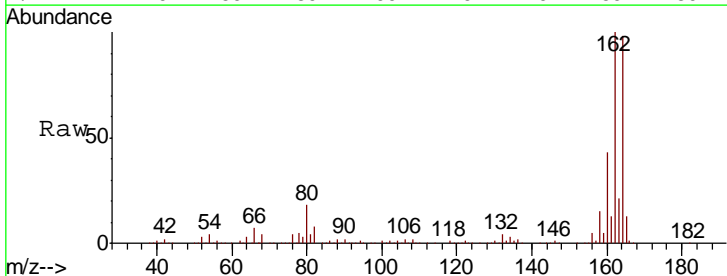
Instrument :
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 ClientSampled :

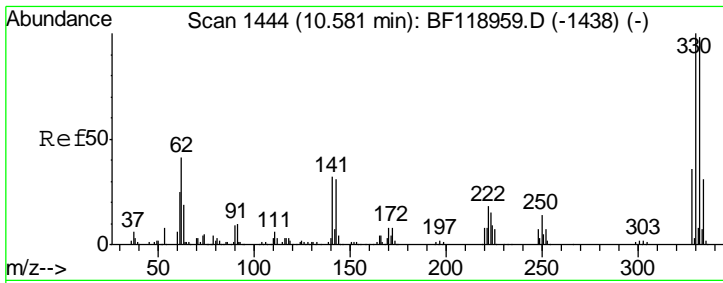
Tgt Ion	Resp	Lower	Upper
82	100		
95	0.0	6.1	9.1#
138	0.0	15.8	23.6#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
164	100		
162	101.7	81.2	121.8
160	43.9	35.2	52.8

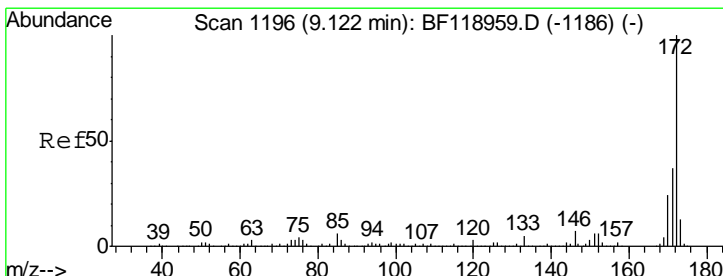
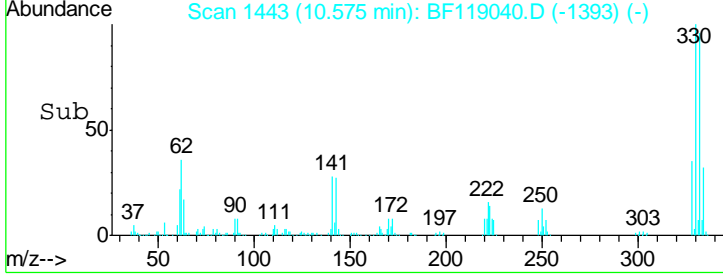
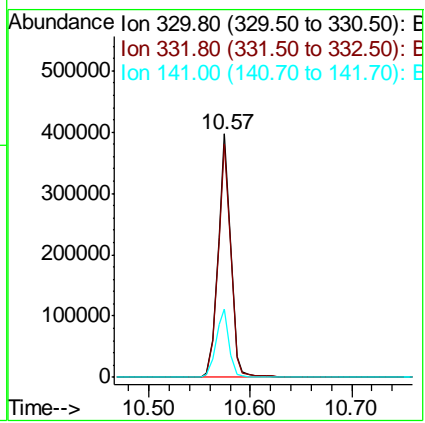
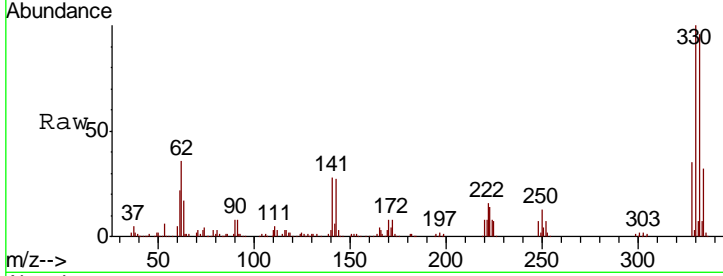




#42
 2,4,6-Tribromophenol
 Concen: 76.535 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

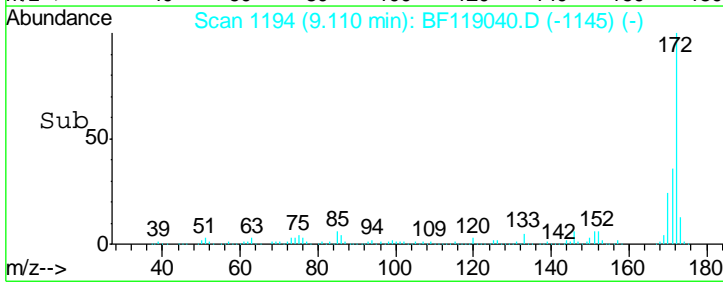
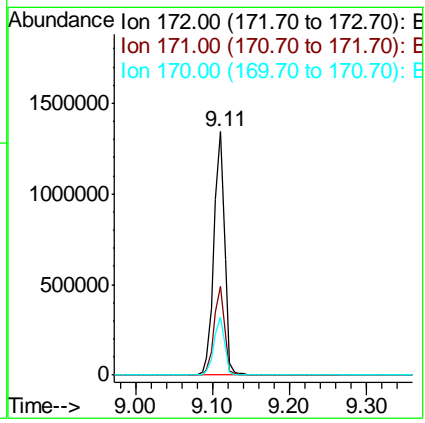
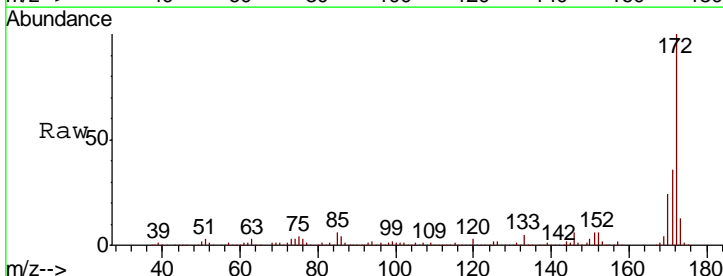
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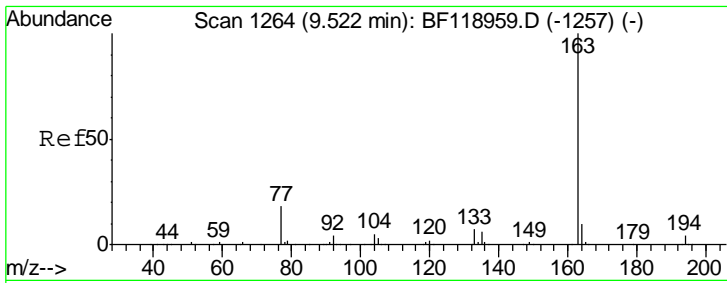
Tgt Ion	Resp	Lower	Upper
330	100		
332	96.9	77.1	115.7
141	29.1	23.0	34.6



#45
 2-Fluorobiphenyl
 Concen: 54.158 ng
 RT: 9.11 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
172	100		
171	36.4	29.4	44.2
170	24.0	19.6	29.4

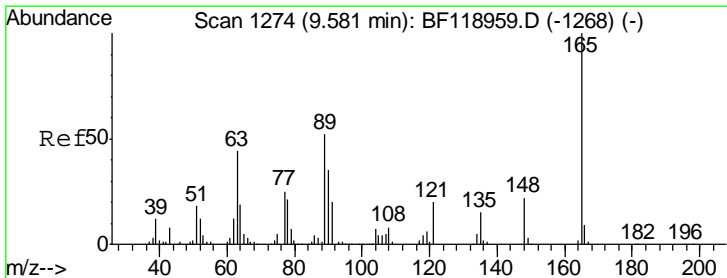
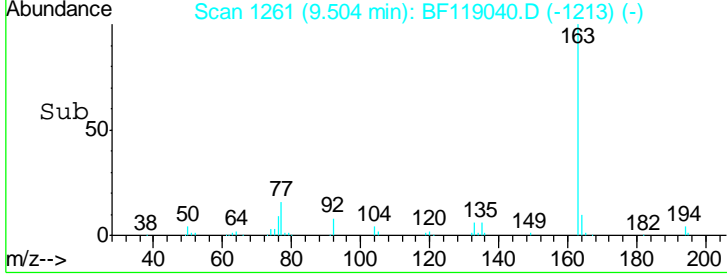
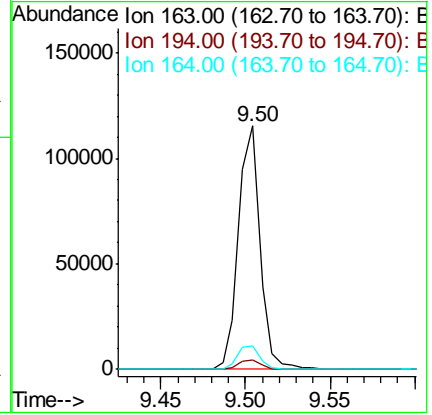
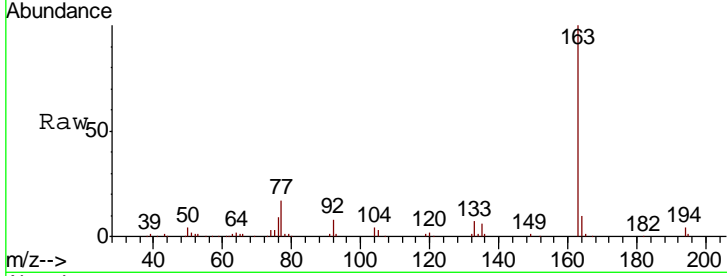




#50
 Dimethylphthalate
 Concen: 3.911 ng
 RT: 9.50 min Scan# 1261
 Delta R.T. -0.02 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

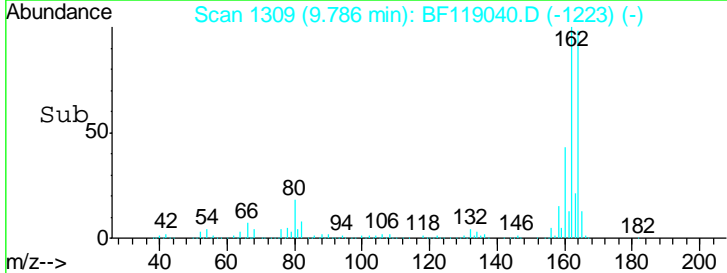
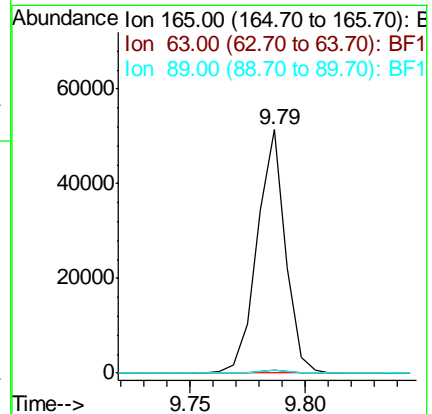
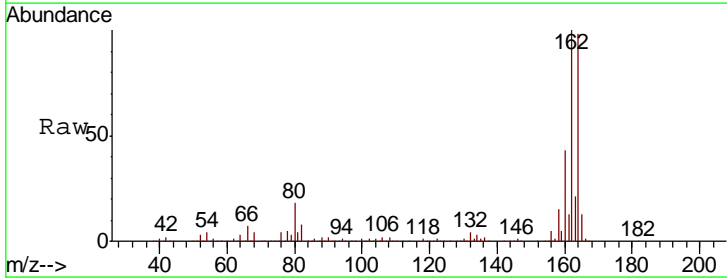
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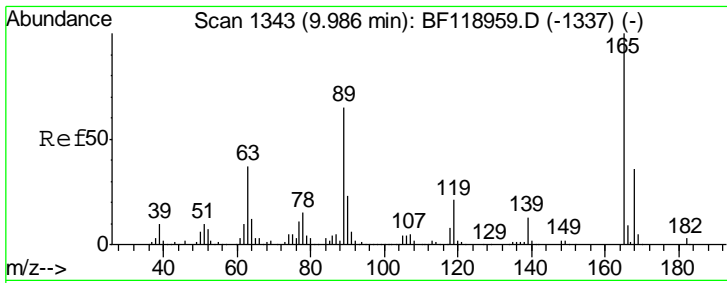
Tgt Ion	Resp	Lower	Upper
163	102584		
194	4.0	3.4	5.2
164	9.6	8.2	12.2



#51
 2,6-Dinitrotoluene
 Concen: 7.537 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. 0.21 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
165	43916		
63	1.1	37.9	56.9#
89	1.4	41.4	62.0#

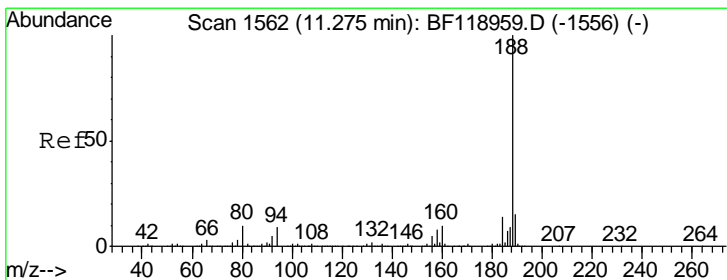
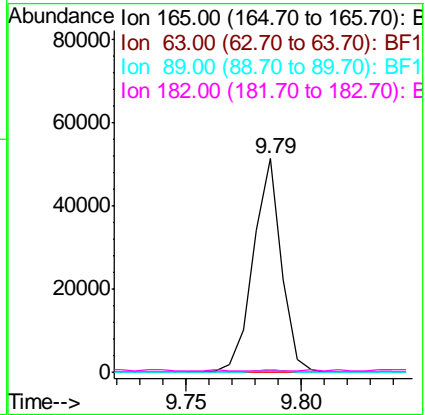
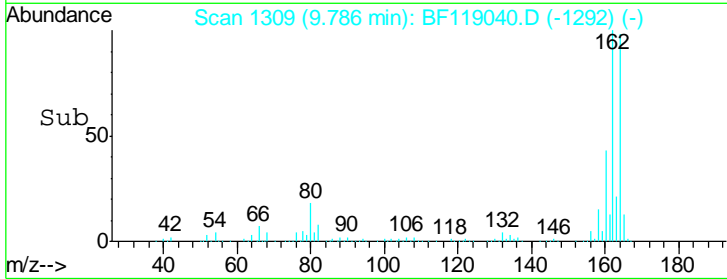
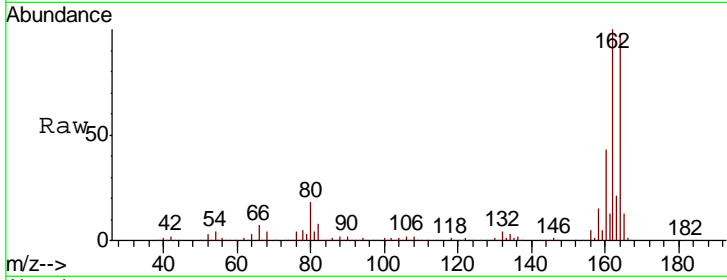




#57
 2,4-Dinitrotoluene
 Concen: 5.814 ng
 RT: 9.79 min Scan# 1309
 Delta R.T. -0.20 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

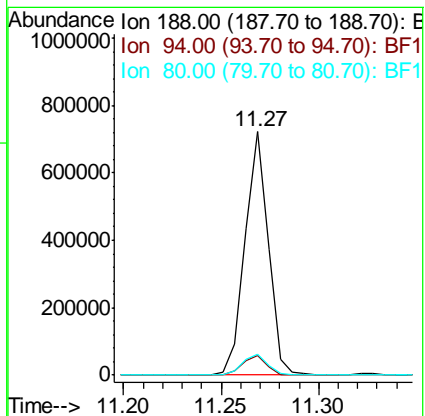
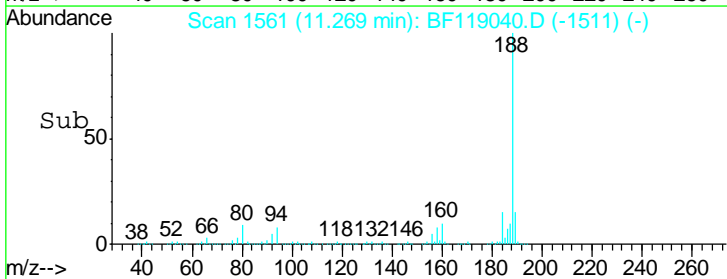
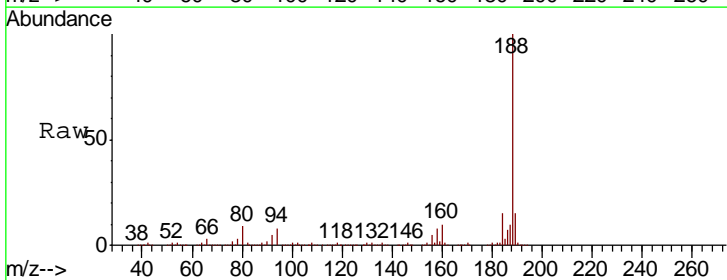
Instrument :
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 ClientSampled :

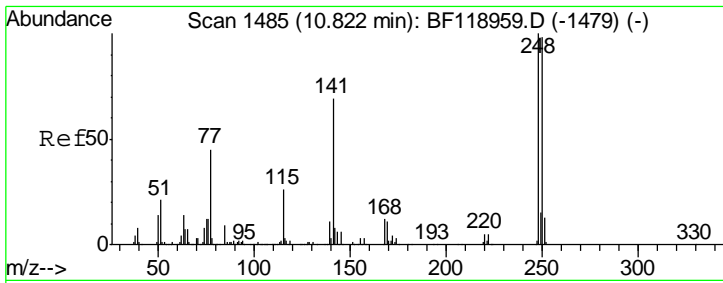
Tgt Ion	Resp	Lower	Upper
165	43916		
63	1.1	29.8	44.8#
89	1.4	51.9	77.9#
182	0.8	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.27 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
188	597523		
94	8.3	7.0	10.6
80	8.8	7.9	11.9

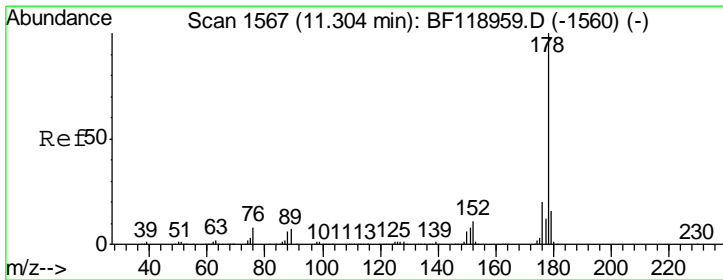
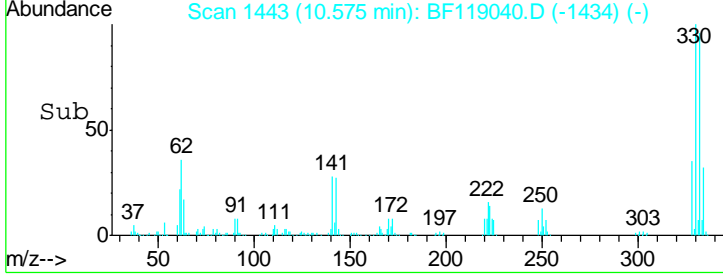
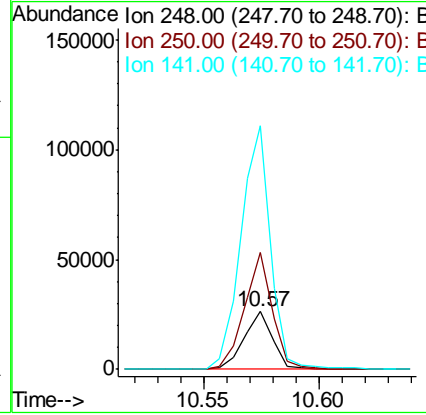
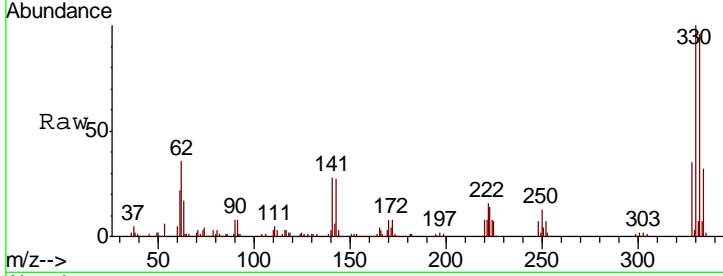




#67
 4-Bromophenyl-phenylether
 Concen: 2.905 ng
 RT: 10.57 min Scan# 1443
 Delta R.T. -0.25 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

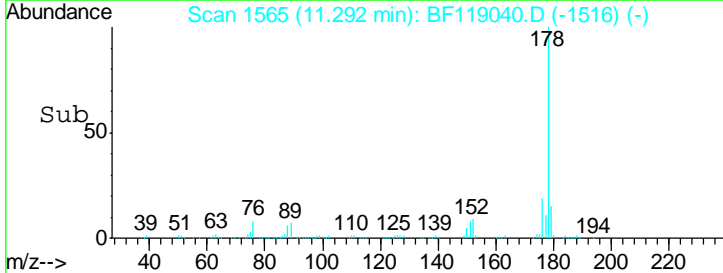
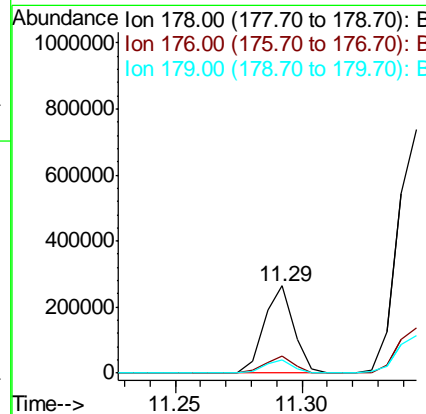
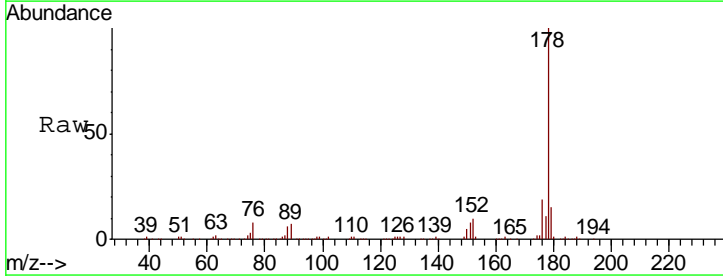
Instrument :
 BNA_F
 ClientSampled :

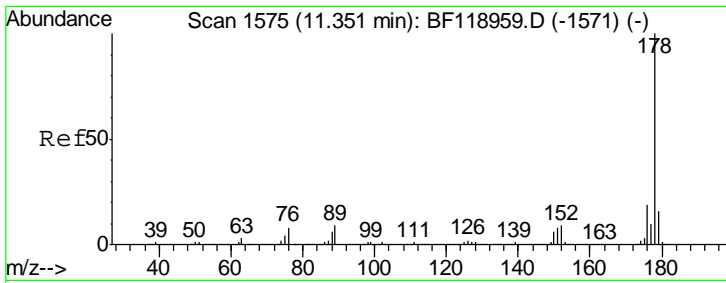
Tgt Ion	Resp	Lower	Upper
248	22689		
248	100		
250	201.3	78.8	118.2#
141	421.5	55.3	82.9#



#71
 Phenanthrene
 Concen: 6.659 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
178	216982		
178	100		
176	19.0	15.6	23.4
179	14.8	12.6	18.8

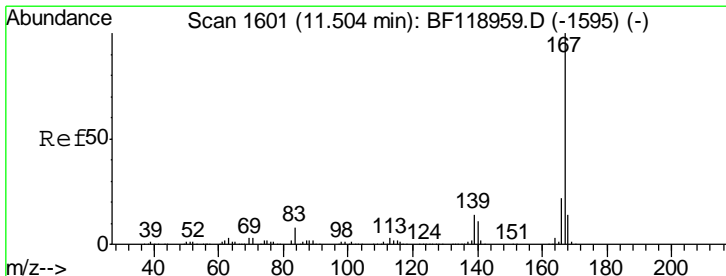
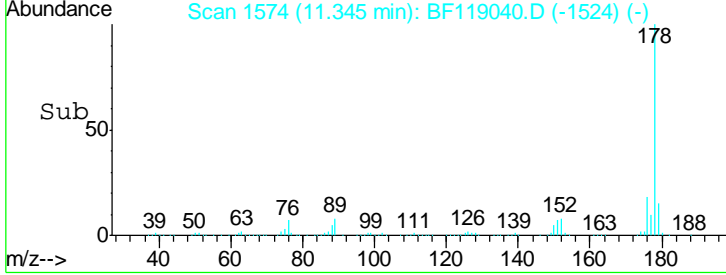
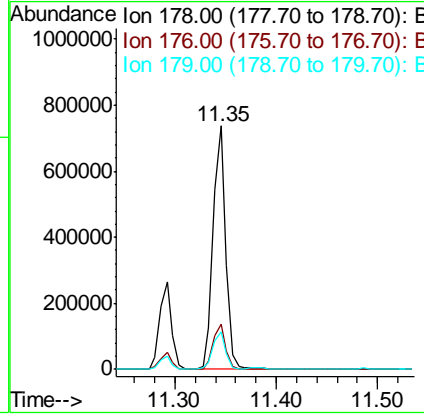
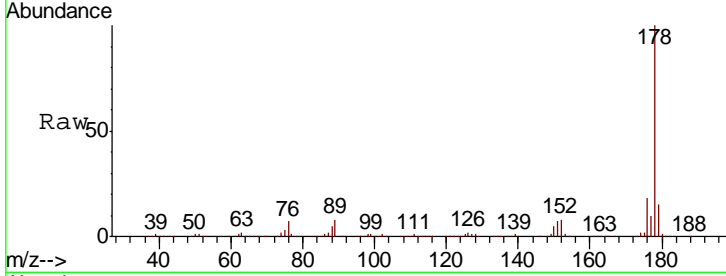




#72
 Anthracene
 Concen: 19.678 ng
 RT: 11.35 min Scan# 1574
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

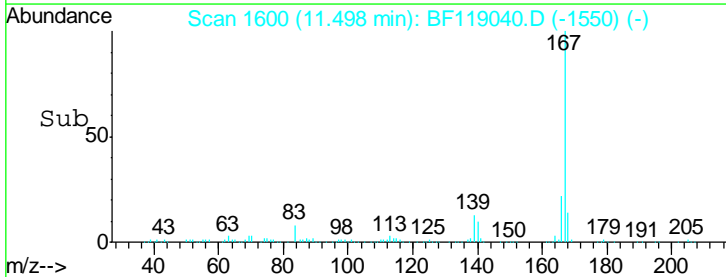
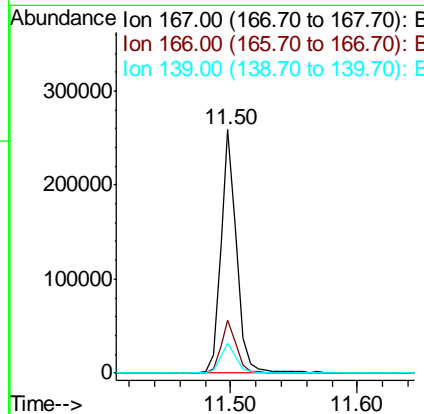
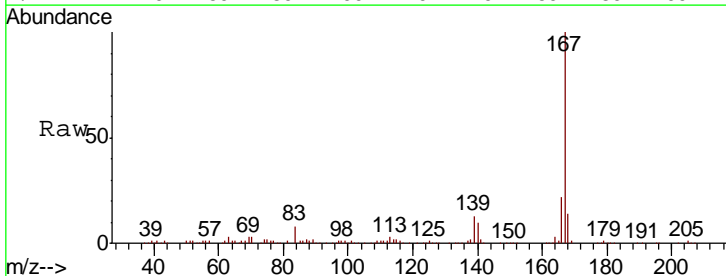
Instrument :
 BNA_F
 ClientSampled :

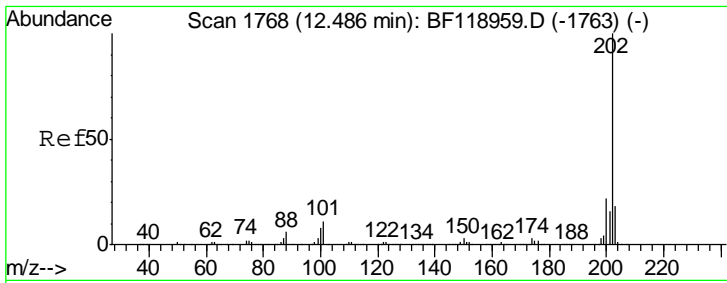
Tgt Ion	Resp	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.3	12.8	19.2



#73
 Carbazole
 Concen: 7.718 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
167	100		
166	21.6	17.8	26.6
139	12.5	11.2	16.8

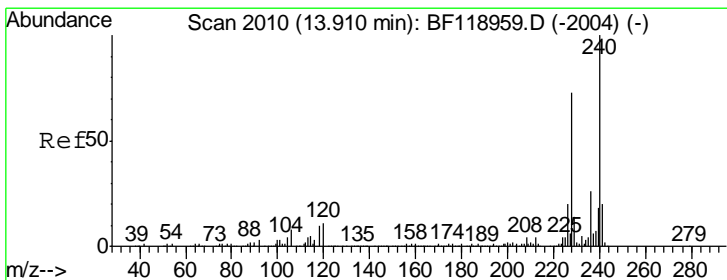
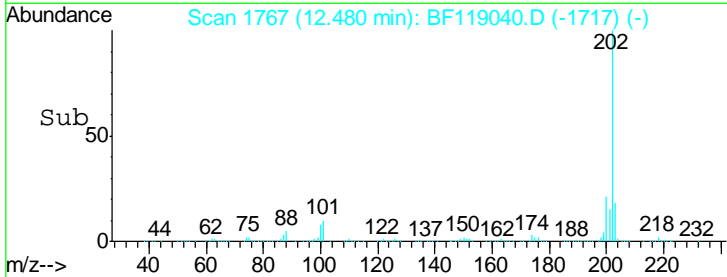
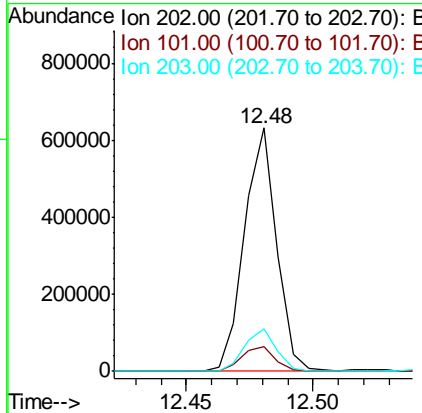
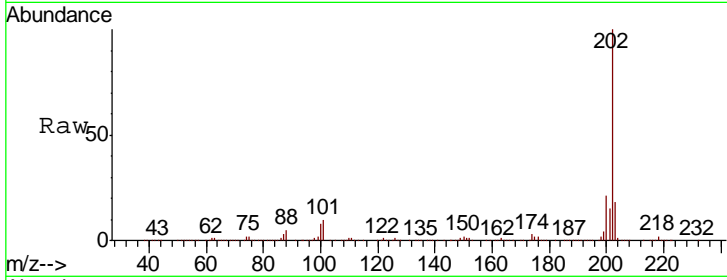




#75
 Fluoranthene
 Concen: 16.027 ng
 RT: 12.48 min Scan# 1767
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

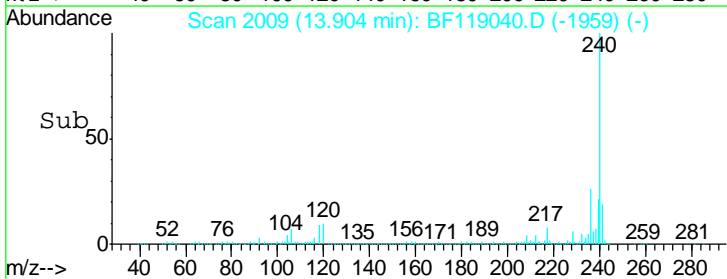
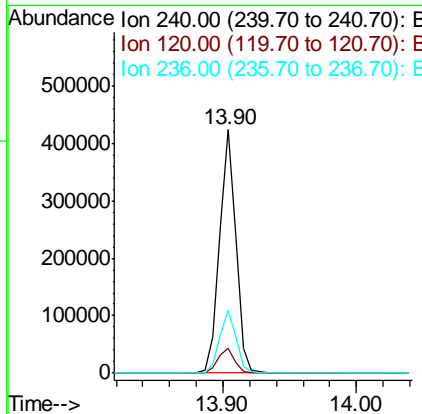
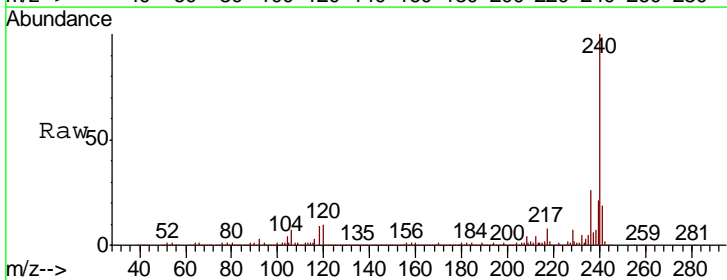
Instrument :
 BNA_F
 ClientSampled :

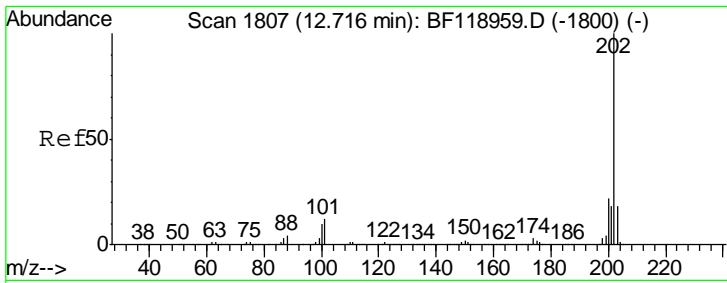
Tgt Ion	Resp	Lower	Upper
202	554363		
101	10.2	0.0	31.1
203	17.7	0.0	38.1



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.90 min Scan# 2009
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
240	369628		
120	10.1	8.9	13.3
236	25.9	20.6	30.8

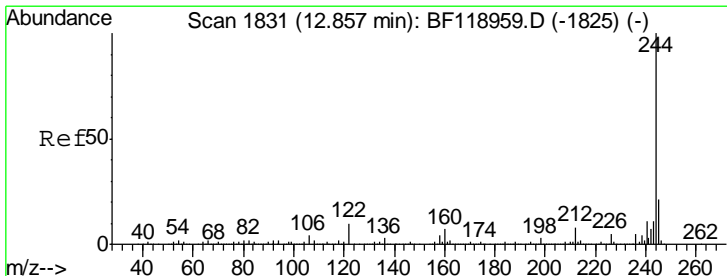
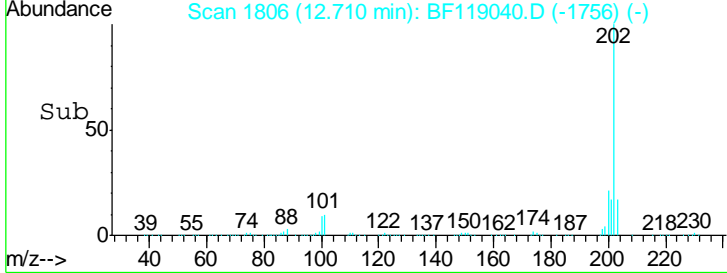
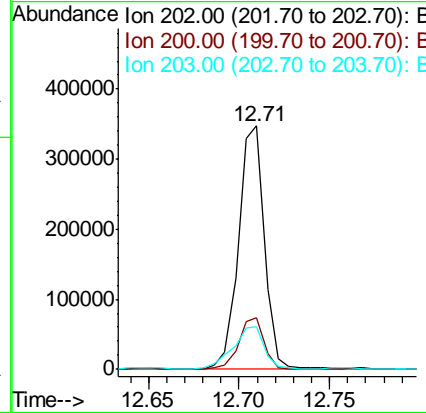
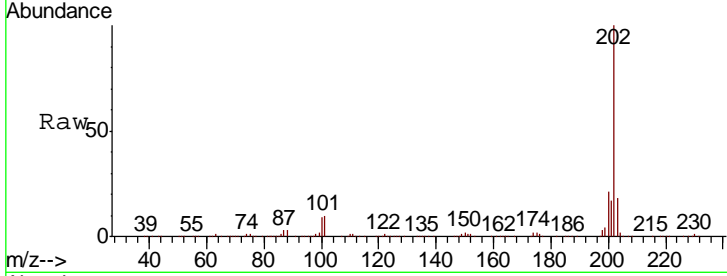




#78
 Pyrene
 Concen: 11.577 ng
 RT: 12.71 min Scan# 1806
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

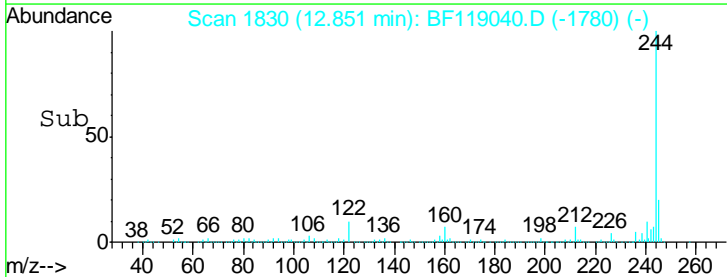
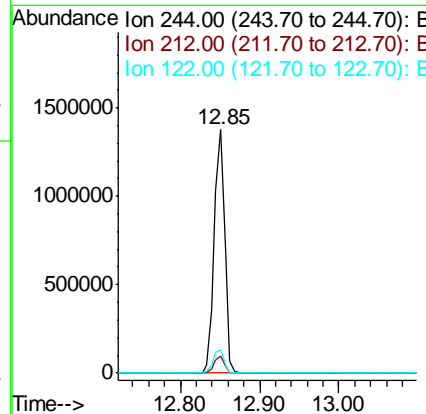
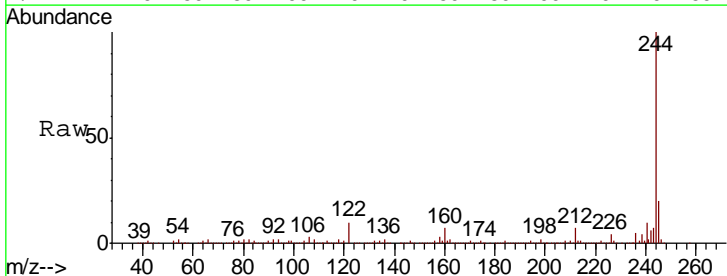
Instrument :
 BNA_F
 ClientSampled :

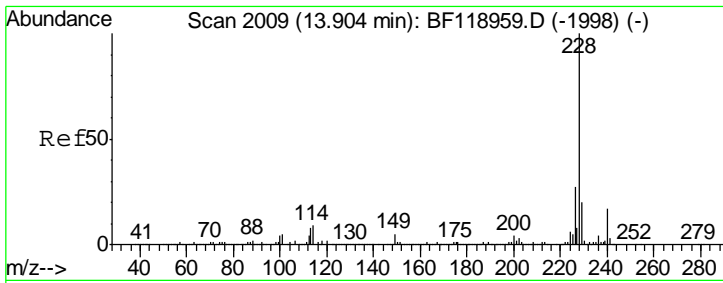
Tgt Ion	Resp	Lower	Upper
202	343606		
200	21.1	17.4	26.0
203	17.6	14.5	21.7



#79
 Terphenyl-d14
 Concen: 58.987 ng
 RT: 12.85 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
244	1266403		
212	7.1	6.3	9.5
122	9.7	8.4	12.6

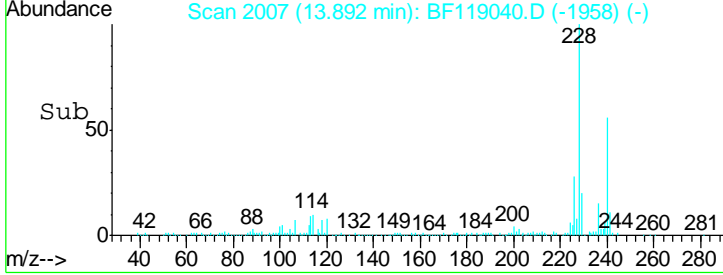
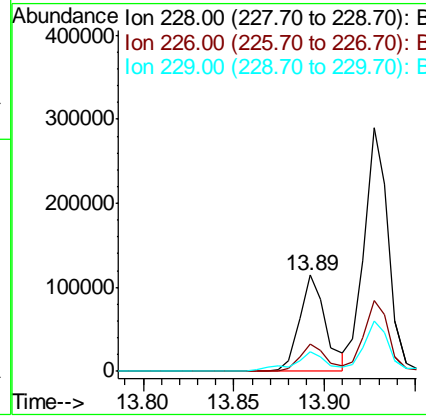
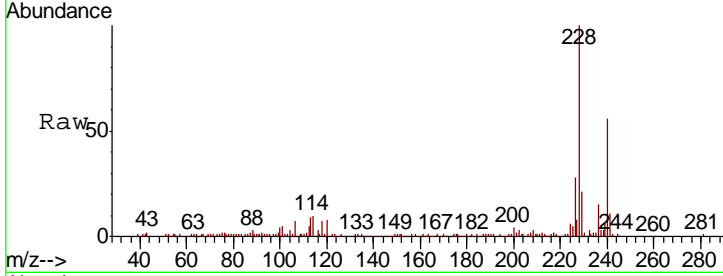




#81
 Benzo(a)anthracene
 Concen: 4.643 ng
 RT: 13.89 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

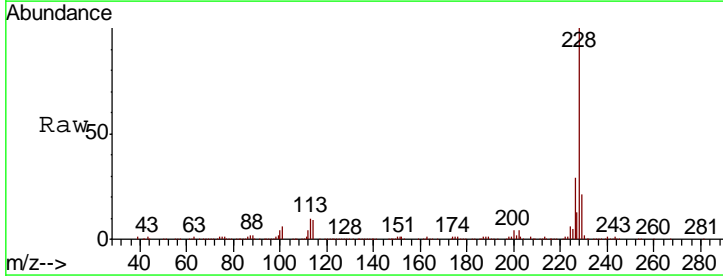
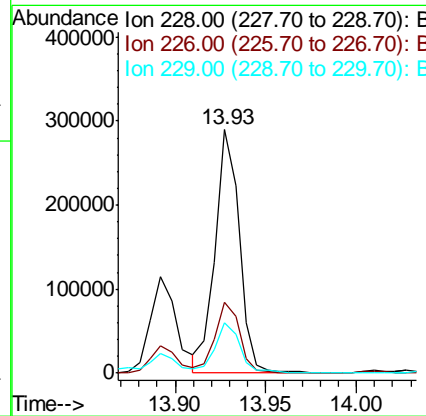
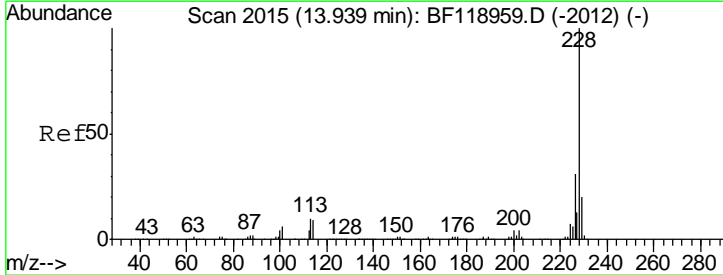
Instrument :
 BNA_F
 ClientSampled :

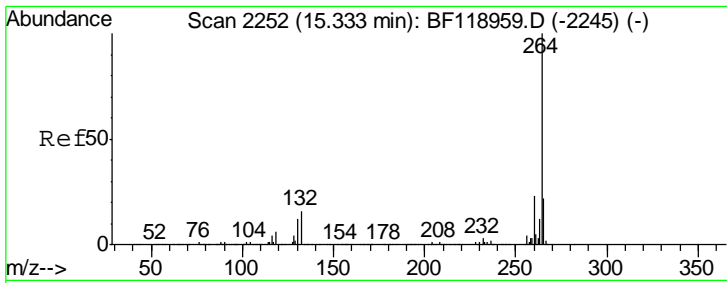
Tgt Ion	Resp	Lower	Upper
228	116929		
226	28.2	21.8	32.8
229	21.0	16.0	24.0



#83
 Chrysene
 Concen: 10.627 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
228	266681		
226	29.3	24.6	37.0
229	20.5	16.2	24.2

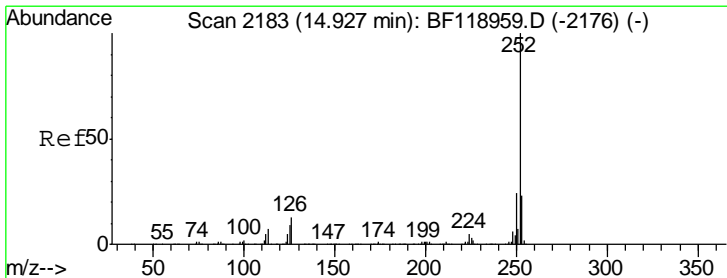
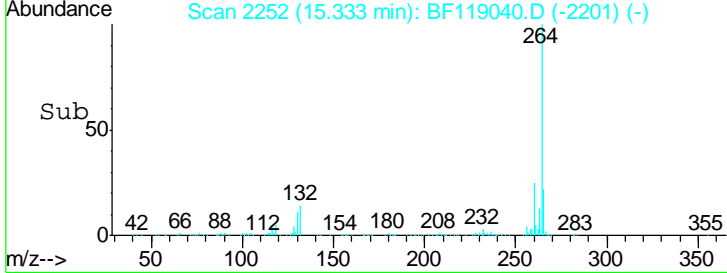
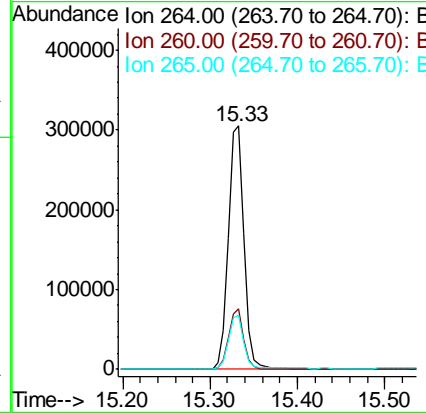
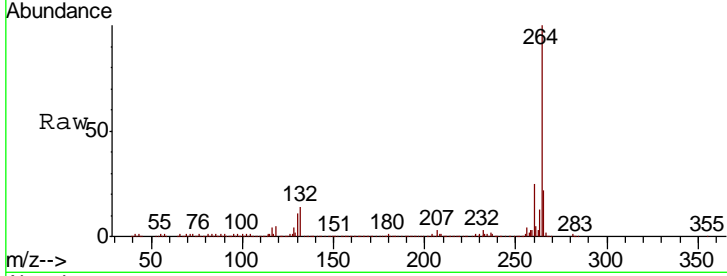




#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.33 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

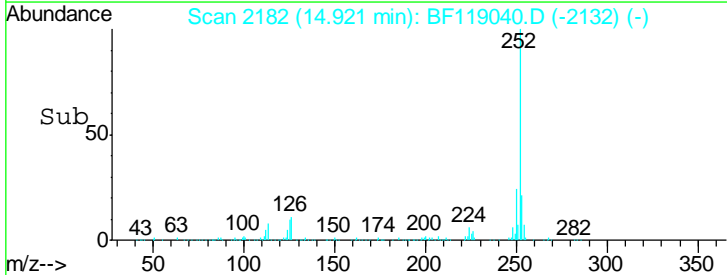
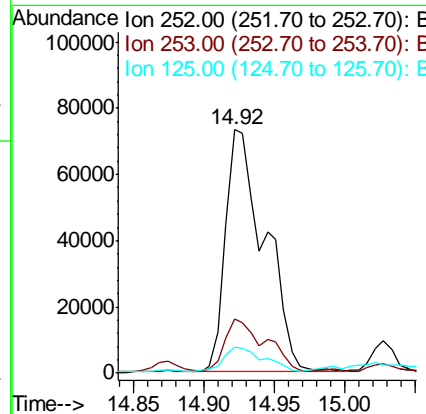
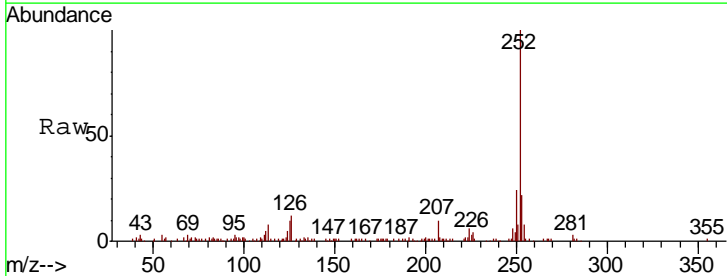
Instrument :
 BNA_F
 ClientSampled :

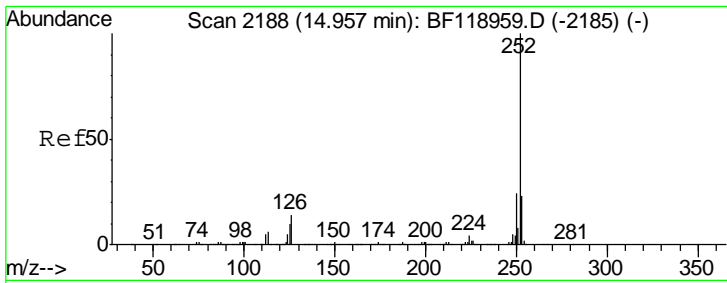
Tgt Ion	Resp	Lower	Upper
264	380717		
260	24.8	18.6	28.0
265	22.1	17.3	25.9



#88
 Benzo(b)fluoranthene
 Concen: 5.664 ng
 RT: 14.92 min Scan# 2182
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
252	142139		
253	22.2	18.2	27.2
125	10.5	7.4	11.0

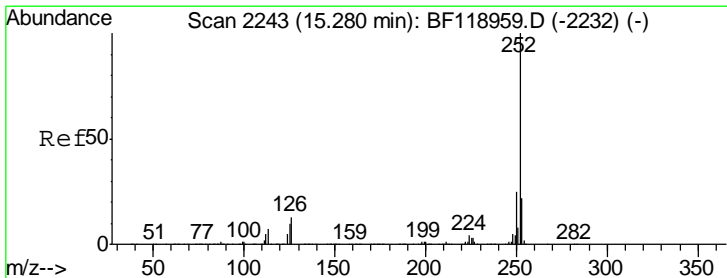
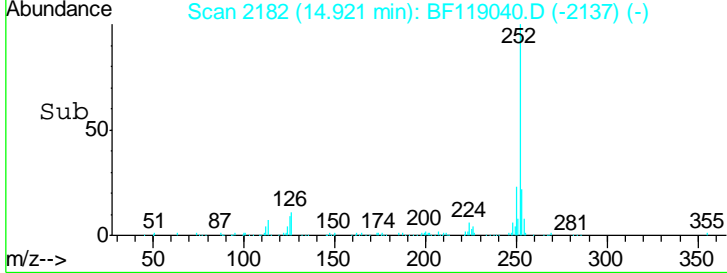
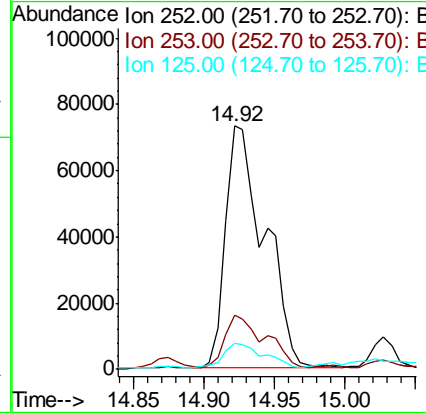
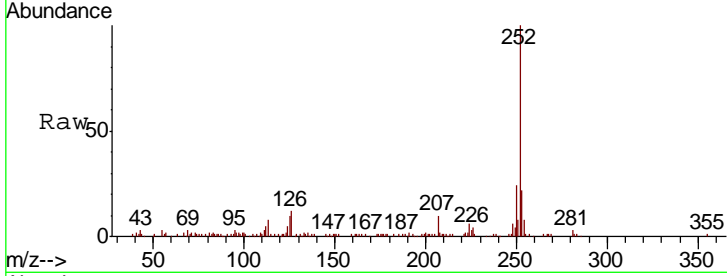




#89
 Benzo(k)fluoranthene
 Concen: 6.112 ng
 RT: 14.92 min Scan# 2182
 Delta R.T. -0.04 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
252	142139		
253	22.2	17.9	26.9
125	10.5	7.3	10.9



#90
 Benzo(a)pyrene
 Concen: 2.523 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BF119040.D
 Acq: 25 Feb 2020 00:26

Tgt Ion	Resp	Lower	Upper
252	57148		
253	21.6	17.9	26.9
125	10.5	7.8	11.6

