

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100120\
 Data File : BF121772.D
 Acq On : 1 Oct 2020 17:43
 Operator : JU/CG
 Sample : L4179-12 10X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-11(9-11)

Quant Time: Oct 01 18:15:33 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	146473	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	564967	20.00	ng	0.00
39) Acenaphthene-d10	9.80	164	271238	20.00	ng	0.00
64) Phenanthrene-d10	11.29	188	453818	20.00	ng	0.00
76) Chrysene-d12	13.93	240	309650	20.00	ng	0.00
86) Perylene-d12	15.37	264	337951	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.38	112	56260	5.71	ng	0.00
7) Phenol-d6	6.40	99	73727	5.70	ng	-0.01
23) Nitrobenzene-d5	7.33	82	45800	4.35	ng	-0.01
42) 2,4,6-Tribromophenol	10.59	330	15556	4.61	ng	-0.01
45) 2-Fluorobiphenyl	9.13	172	93555	5.22	ng	0.00
79) Terphenyl-d14	12.87	244	73967	4.84	ng	-0.01

Target Compounds

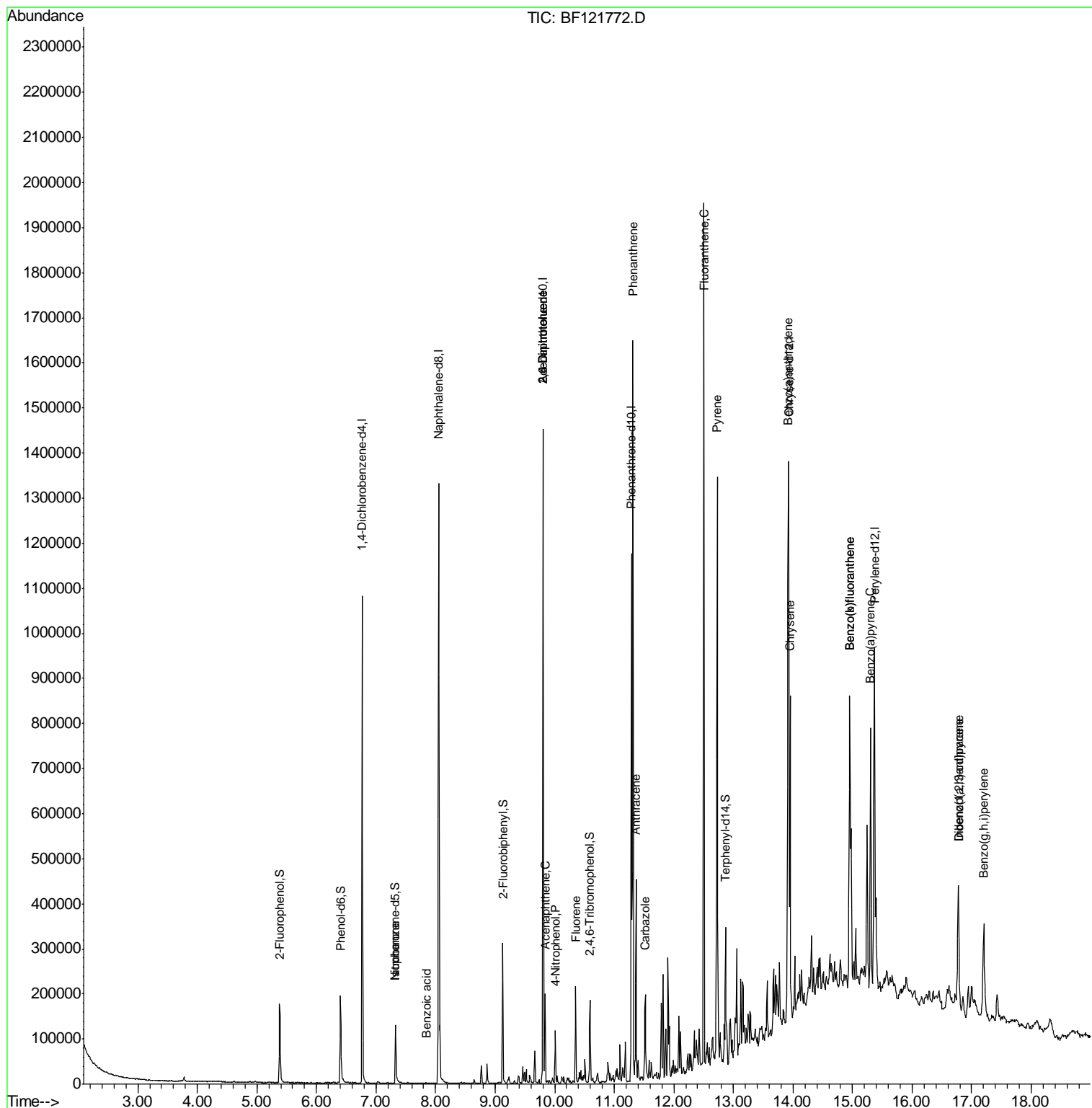
						Qvalue
25) Isophorone	7.33	82	45799	2.162	ng	# 67
32) Benzoic acid	7.85	122	351	6.978	ng	# 1
51) 2,6-Dinitrotoluene	9.80	165	35373	8.449	ng	# 20
52) Acenaphthene	9.84	154	39407	2.373	ng	99
56) 4-Nitrophenol	10.01	139	14066	3.637	ng	# 12
57) 2,4-Dinitrotoluene	9.80	165	35373	6.716	ng	# 20
58) Fluorene	10.35	166	51703	2.891	ng	100
71) Phenanthrene	11.32	178	596456	24.123	ng	99
72) Anthracene	11.36	178	158914	6.228	ng	98
73) Carbazole	11.52	167	67430	2.928	ng	96
75) Fluoranthene	12.50	202	702464	26.614	ng	99
78) Pyrene	12.73	202	570854	25.232	ng	99
81) Benzo(a)anthracene	13.92	228	314231	16.040	ng	99
83) Chrysene	13.95	228	246966	12.449	ng	98
87) Indeno(1,2,3-cd)pyrene	16.77	276	170662	7.754	ng	97
88) Benzo(b)fluoranthene	14.95	252	459631	20.345	ng	98
89) Benzo(k)fluoranthene	14.95	252	459631	22.216	ng	# 98
90) Benzo(a)pyrene	15.30	252	254544	13.255	ng	96
91) Dibenzo(a,h)anthracene	16.78	278	44866	2.449	ng	# 88
92) Benzo(a,h,i)perylene	17.20	276	157971	8.772	ng	100

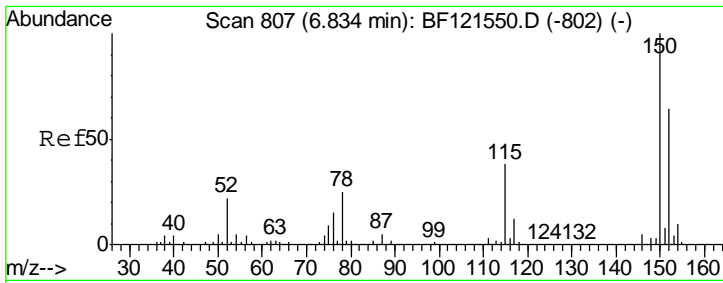
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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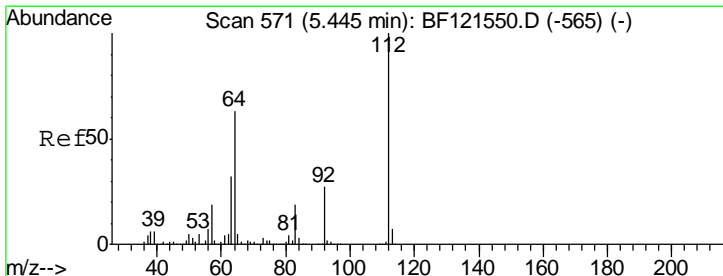
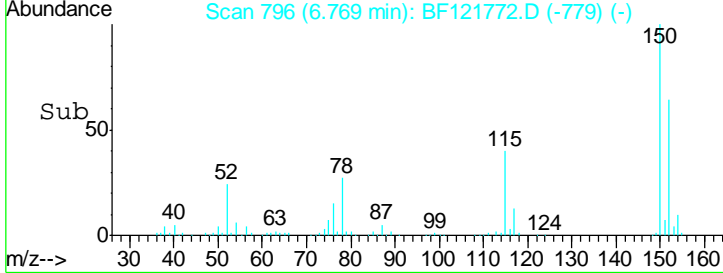
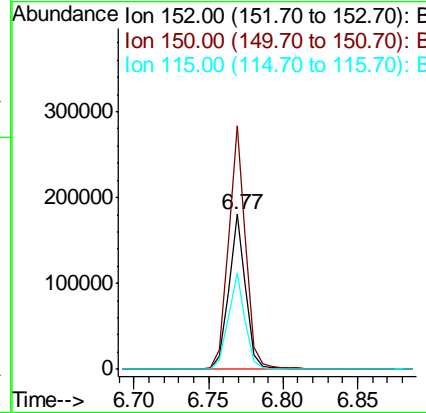
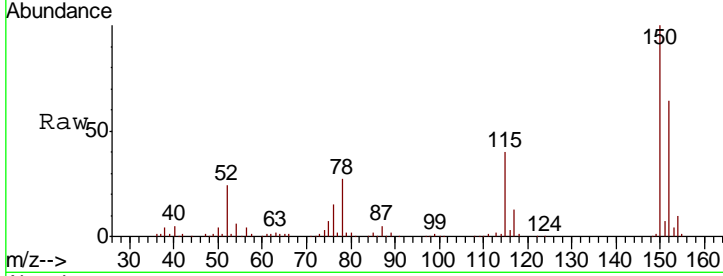




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.77 min Scan# 796
 Delta R.T. 0.00 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

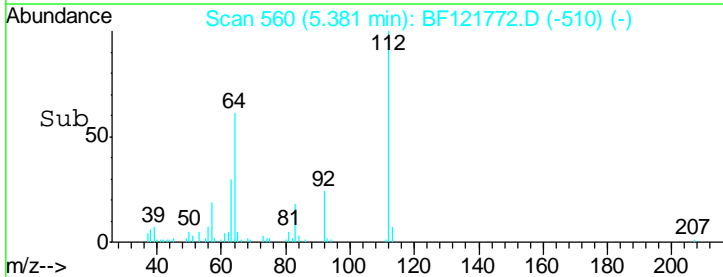
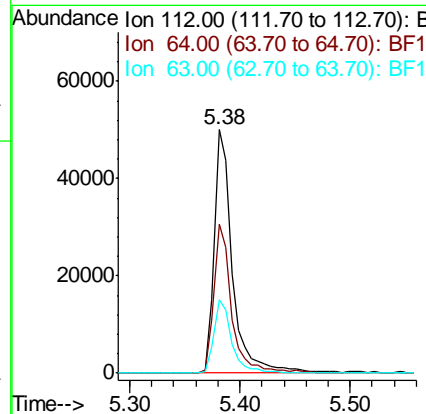
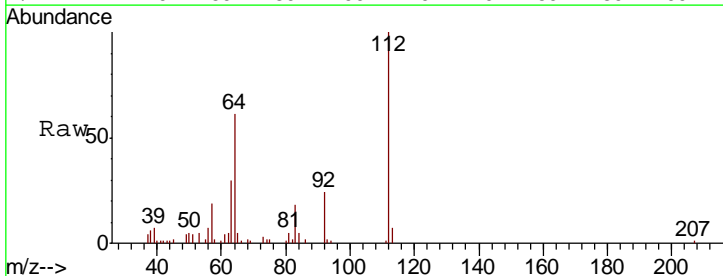
Instrument :
 BNA_F
 ClientSampleId :
 B-11(9-11)

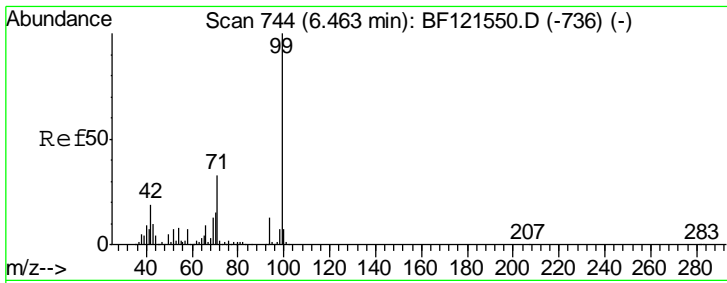
Tgt Ion	Resp	Lower	Upper
152	146473		
150	157.0	125.3	187.9
115	62.3	51.9	77.9



#5
 2-Fluorophenol
 Concen: 5.708 ng
 RT: 5.38 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
112	56260		
64	61.4	50.4	75.6
63	30.4	25.8	38.6

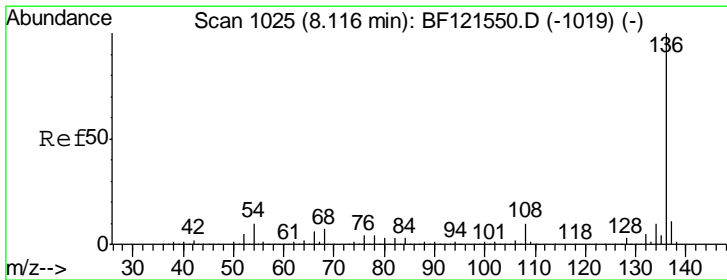
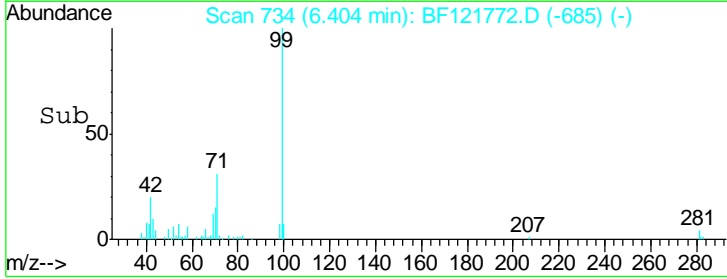
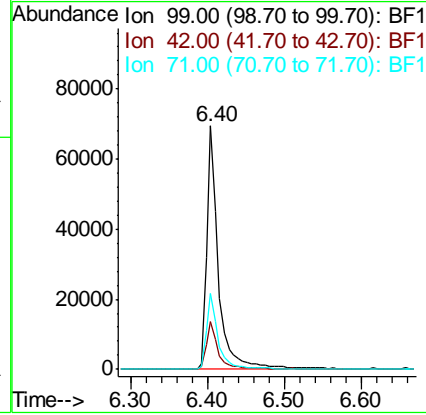
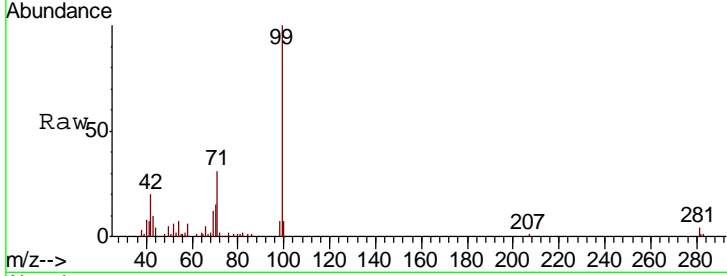




#7
 Phenol-d6
 Concen: 5.702 ng
 RT: 6.40 min Scan# 734
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

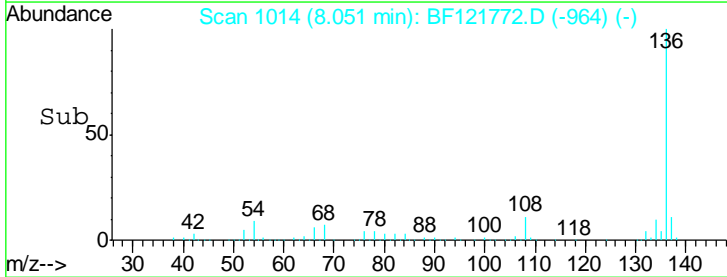
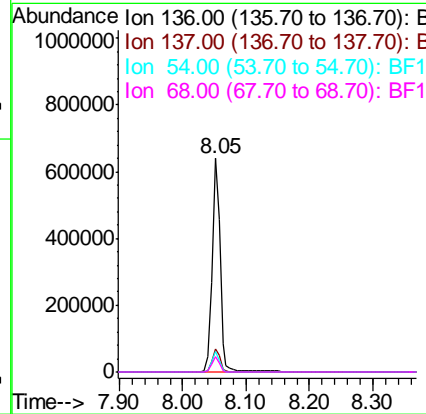
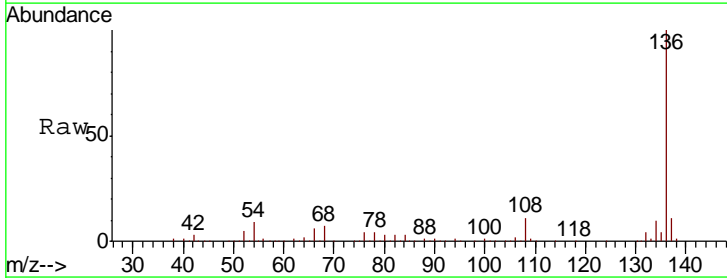
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 BNA_F
 ClientSampled :
 B-11(9-11)

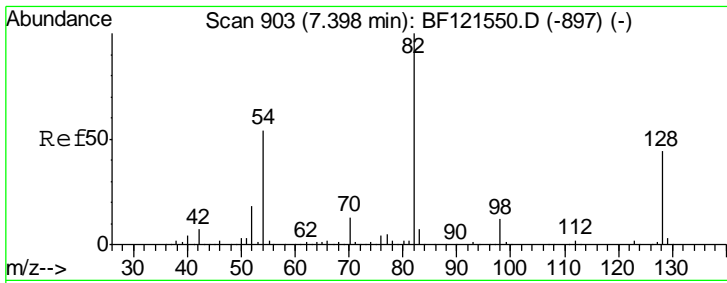
Tgt Ion	Resp	Lower	Upper
99	73727		
42	19.6	15.9	23.9
71	31.1	27.1	40.7



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.05 min Scan# 1014
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
136	564967		
137	11.0	8.6	13.0
54	9.5	7.1	10.7
68	7.1	5.0	7.4

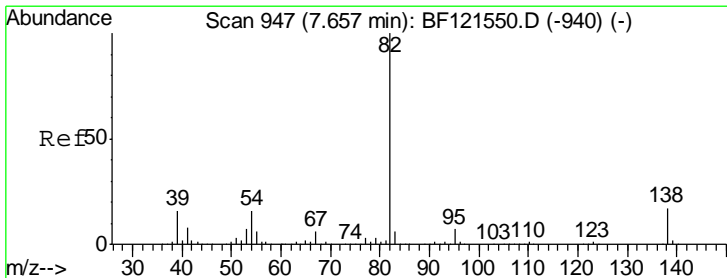
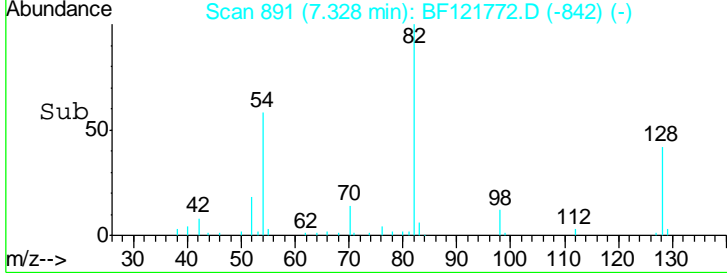
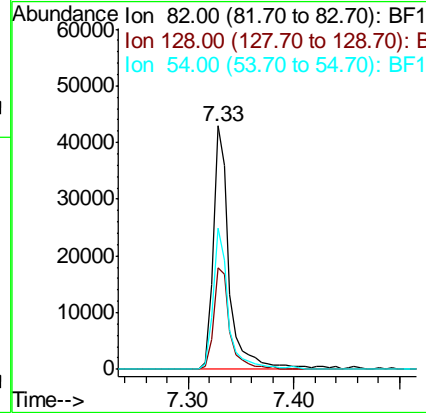
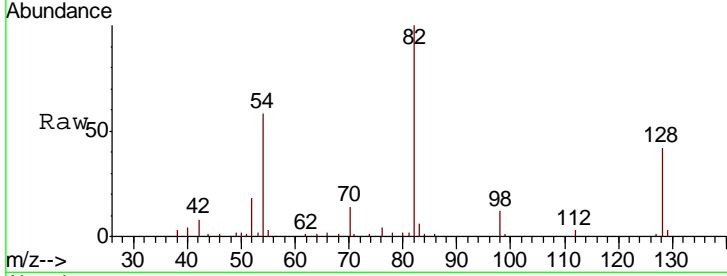




#23
 Nitrobenzene-d5
 Concen: 4.353 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

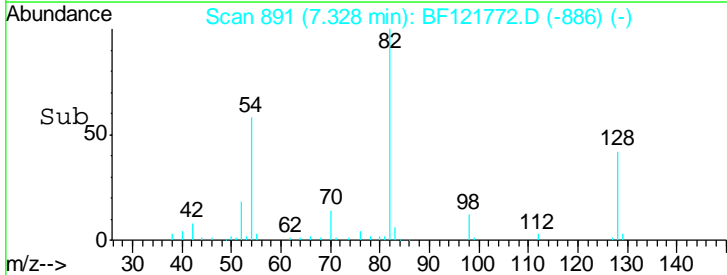
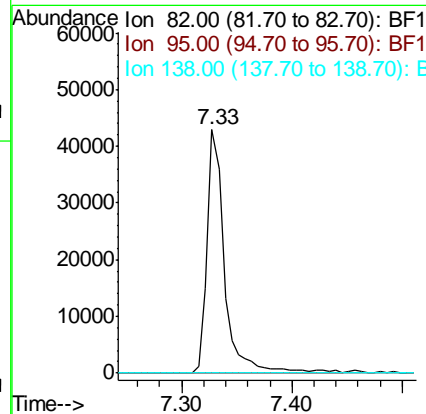
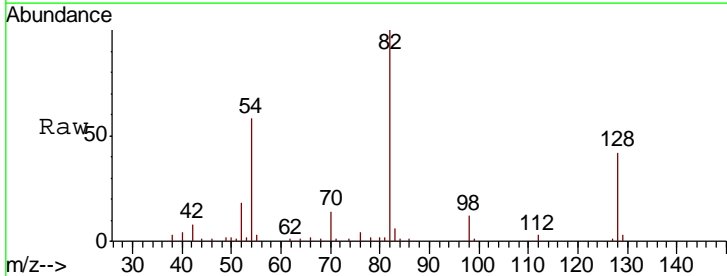
Instrument :
 BNA_F
 ClientSampled :
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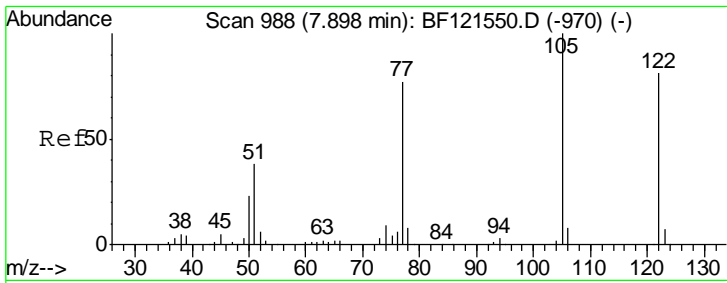
Tgt Ion	Resp	Lower	Upper
82	45800		
128	41.6	35.0	52.4
54	57.9	43.9	65.9



#25
 Isophorone
 Concen: 2.162 ng
 RT: 7.33 min Scan# 891
 Delta R.T. -0.27 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
82	45799		
95	0.0	5.4	8.0#
138	0.0	13.4	20.0#

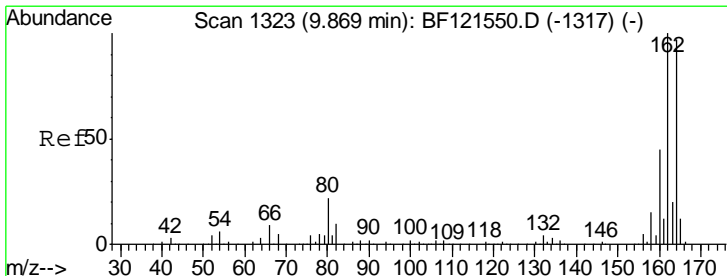
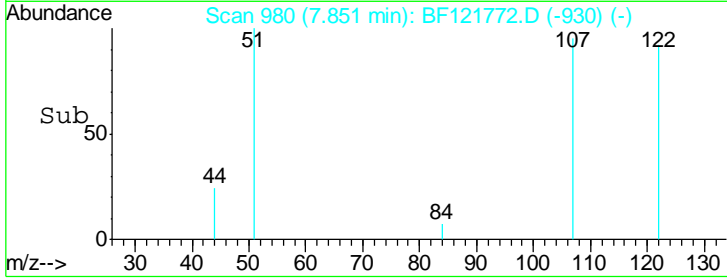
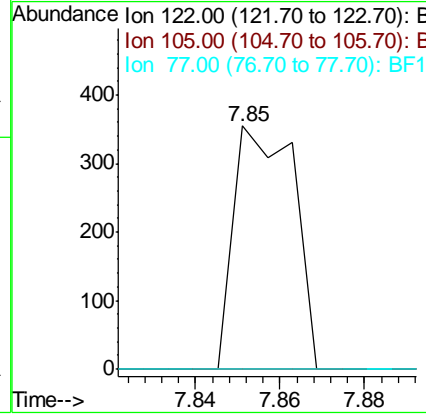
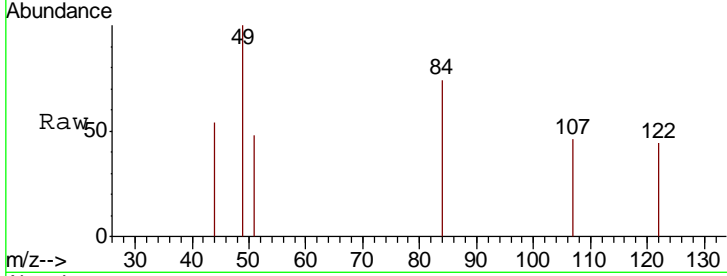




#32
 Benzoic acid
 Concen: 6.978 ng
 RT: 7.85 min Scan# 980
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

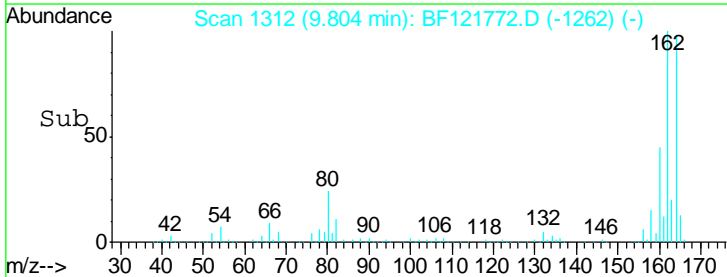
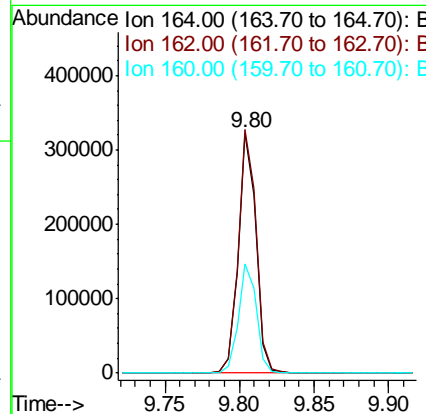
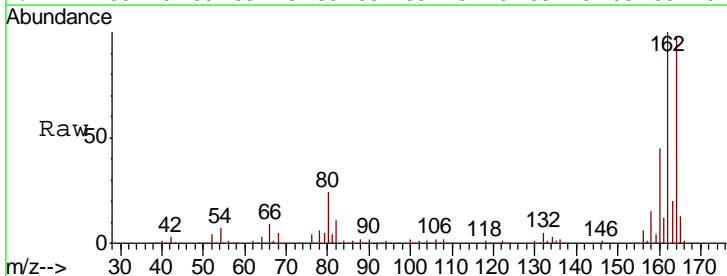
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 ClientSampleID :
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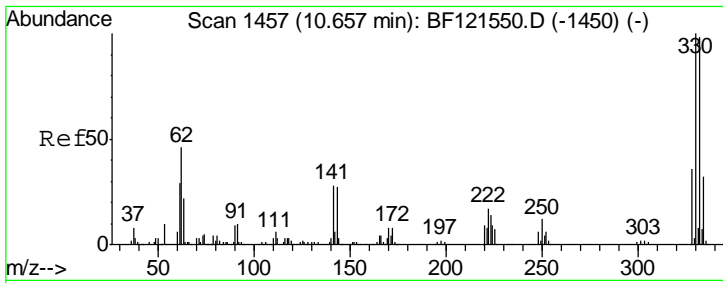
Tgt Ion	Resp	Lower	Upper
122	351		
122	100		
105	0.0	103.3	143.3#
77	0.0	73.9	113.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
164	271238		
164	100		
162	101.5	83.2	124.8
160	45.7	37.5	56.3

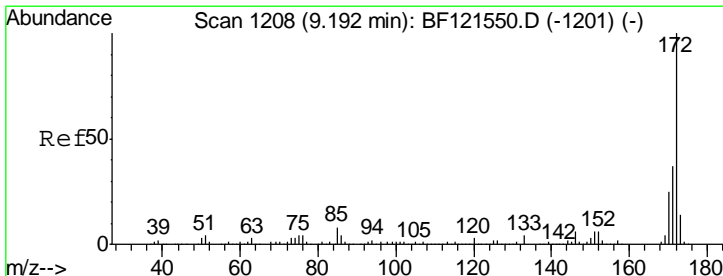
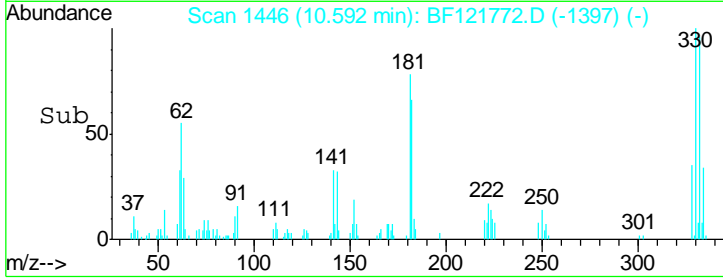
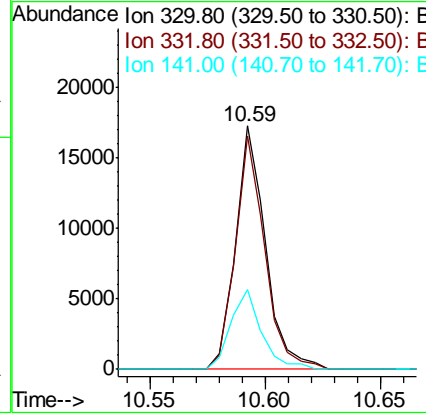
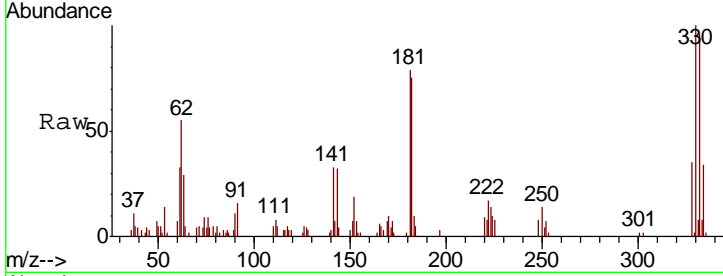




#42
 2,4,6-Tribromophenol
 Concen: 4.614 ng
 RT: 10.59 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

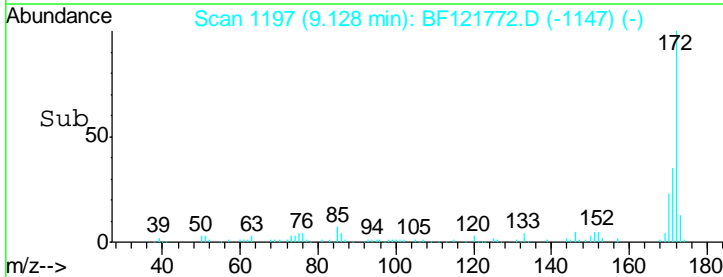
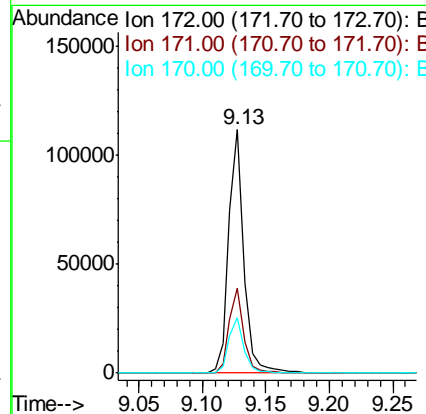
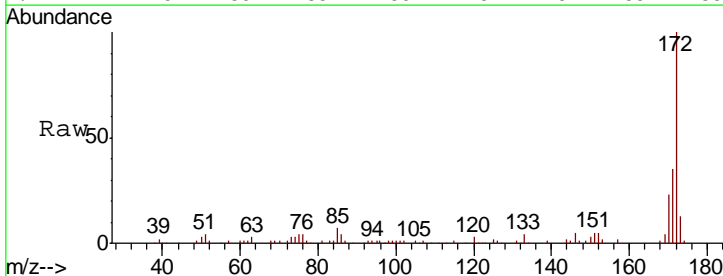
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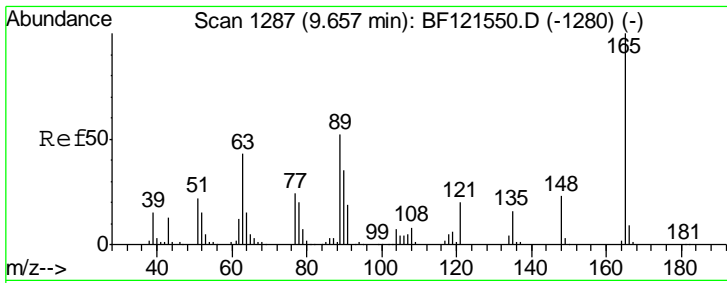
Tgt Ion	Resp	Lower	Upper
330	15556		
330	100		
332	94.1	77.3	115.9
141	33.2	22.3	33.5



#45
 2-Fluorobiphenyl
 Concen: 5.224 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
172	93555		
172	100		
171	34.6	29.1	43.7
170	22.6	19.8	29.6

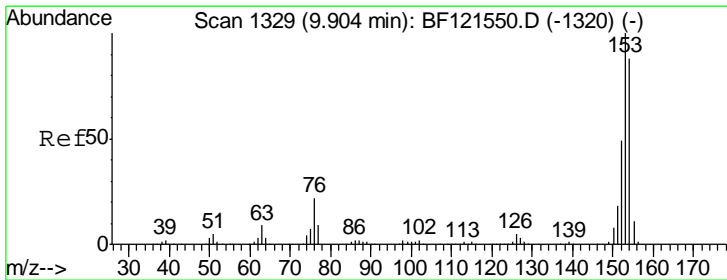
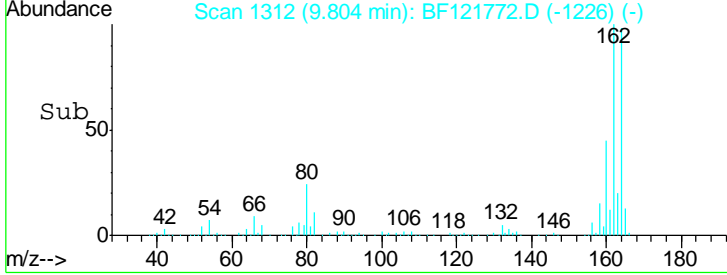
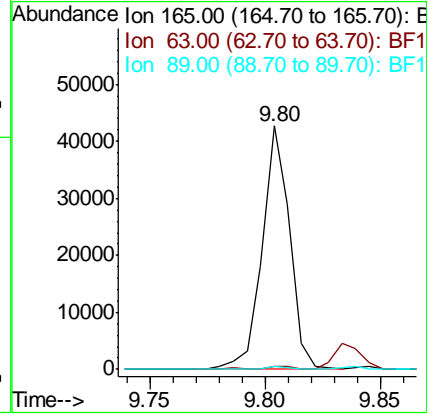
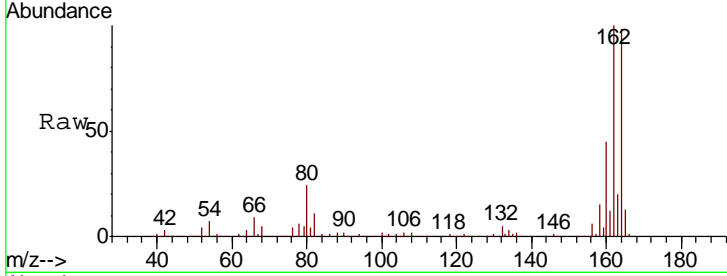




#51
 2,6-Dinitrotoluene
 Concen: 8.449 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. 0.21 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

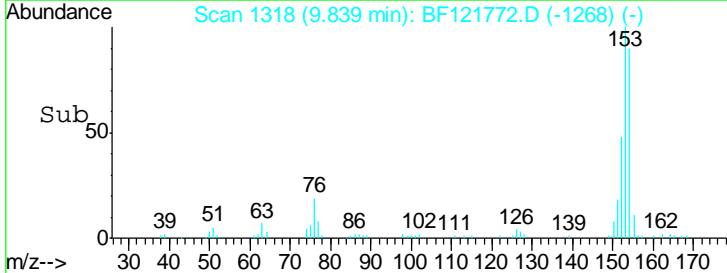
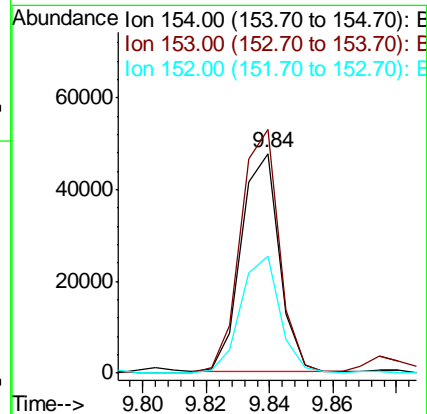
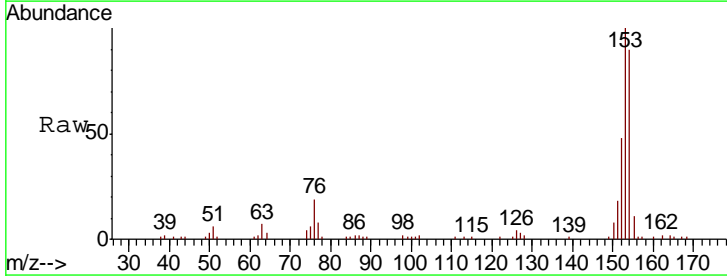
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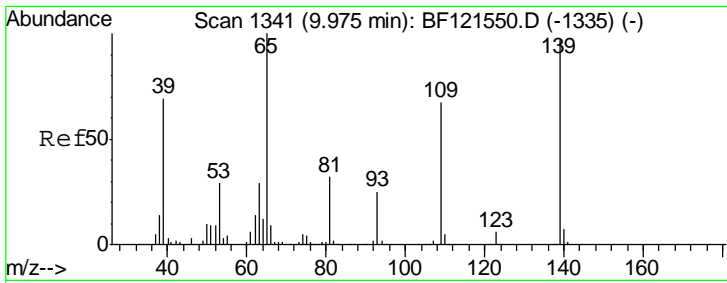
Tgt Ion	Resp	Lower	Upper
165	100		
63	1.2	51.8	77.6#
89	1.2	49.0	73.6#



#52
 Acenaphthene
 Concen: 2.373 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
154	100		
153	110.9	89.8	134.8
152	53.4	43.2	64.8

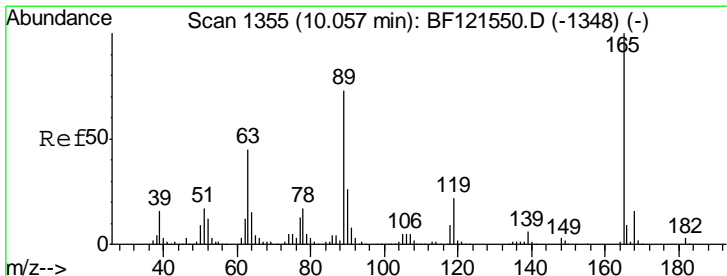
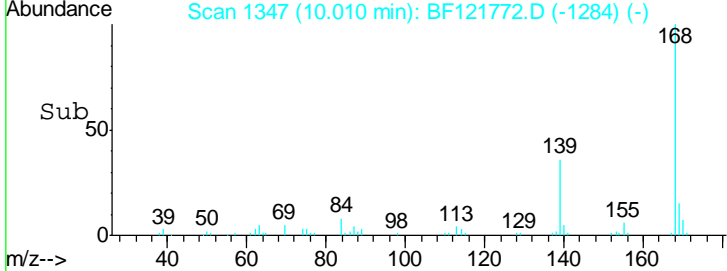
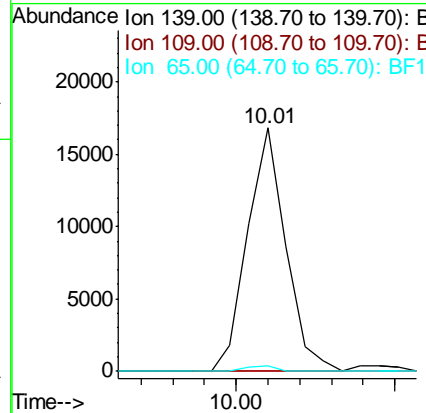
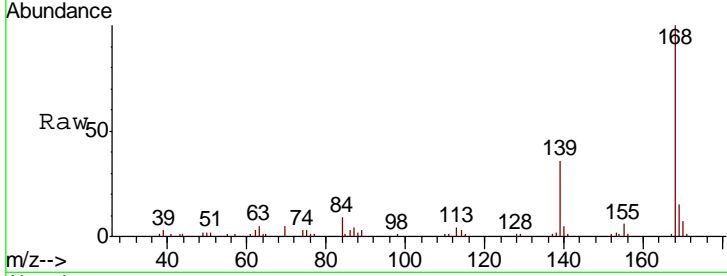




#56
 4-Nitrophenol
 Concen: 3.637 ng
 RT: 10.01 min Scan# 1347
 Delta R.T. 0.07 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

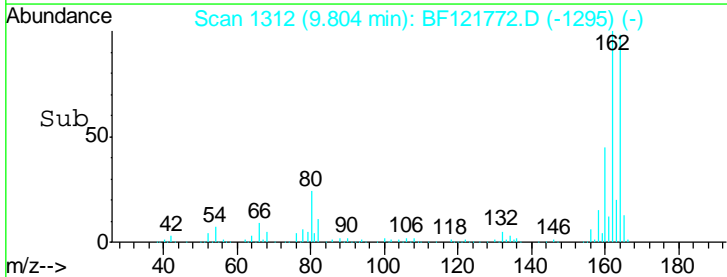
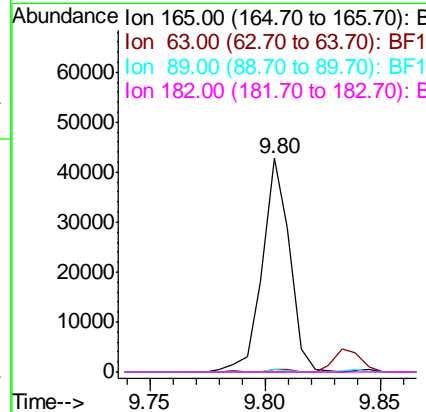
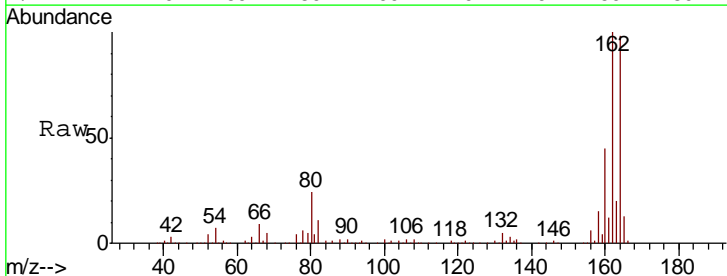
Instrument :
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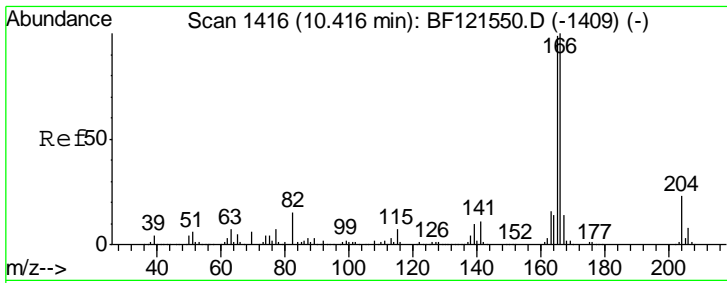
Tgt Ion	Resp	Lower	Upper
139	14066		
109	0.0	45.4	85.4#
65	2.1	68.4	108.4#



#57
 2,4-Dinitrotoluene
 Concen: 6.716 ng
 RT: 9.80 min Scan# 1312
 Delta R.T. -0.20 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
165	35373		
63	1.2	41.3	61.9#
89	1.2	61.8	92.8#
182	0.0	2.1	3.1#



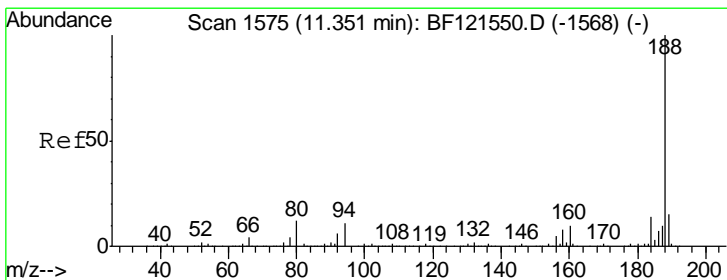
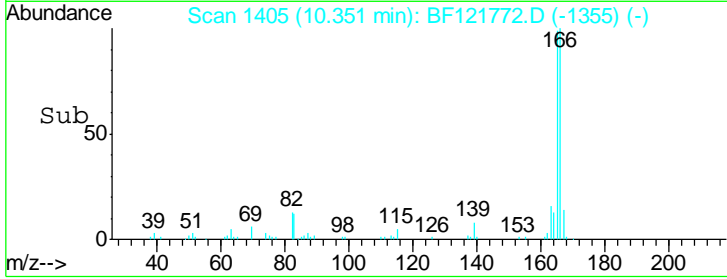
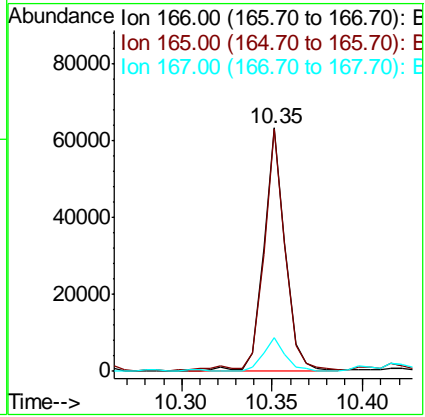
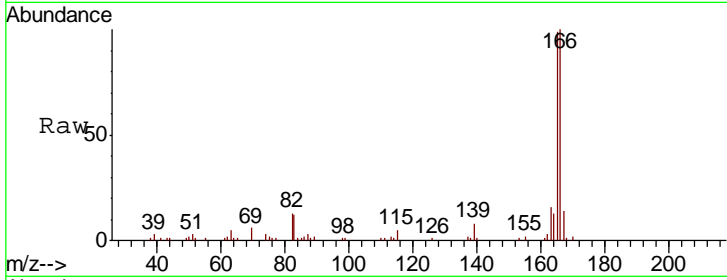


#58
 Fluorene
 Concen: 2.891 ng
 RT: 10.35 min Scan# 1405
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Instrument :
 BNA_F
 ClientSampled :
 B-11(9-11)

Tgt Ion: 166 Resp: 51703

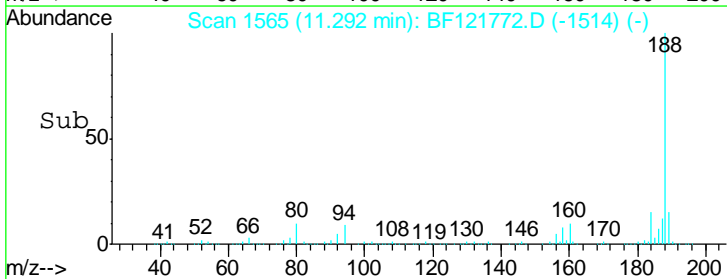
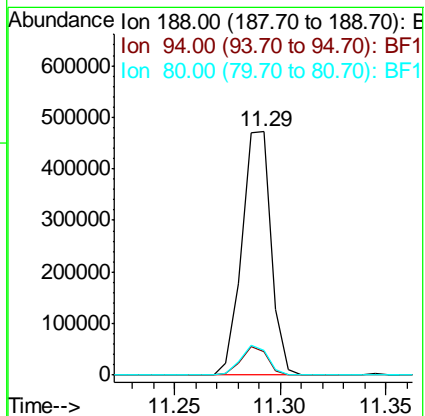
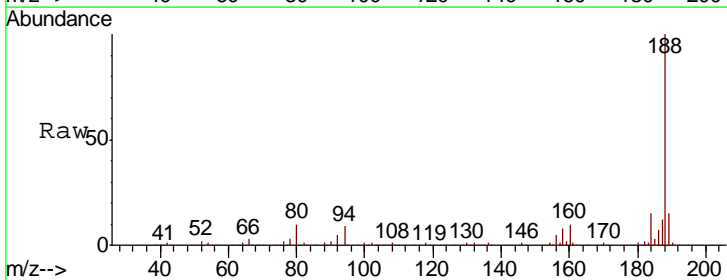
Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.1	118.7
167	13.8	11.0	16.6

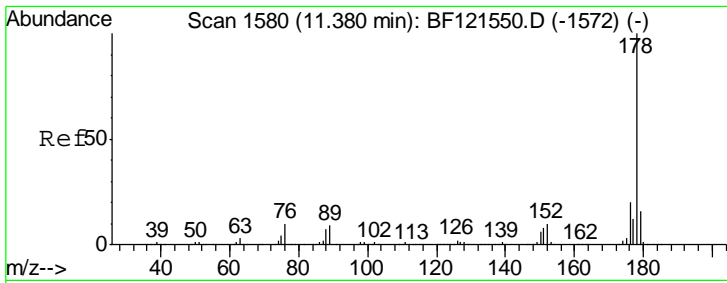


#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion: 188 Resp: 453818

Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.3	12.5
80	10.1	9.1	13.7

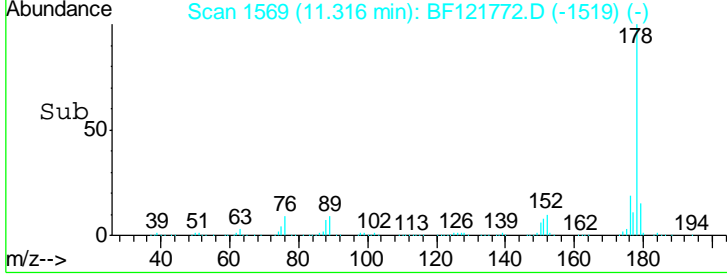
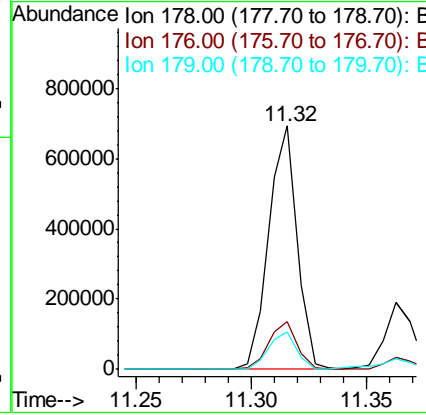
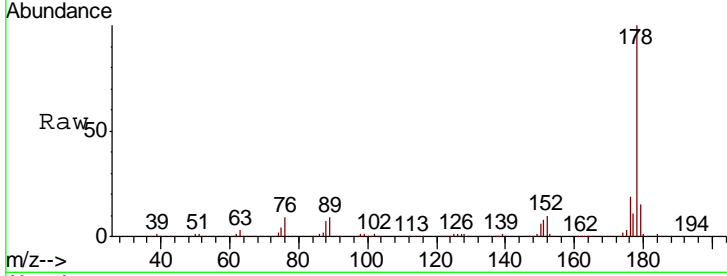




#71
 Phenanthrene
 Concen: 24.123 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

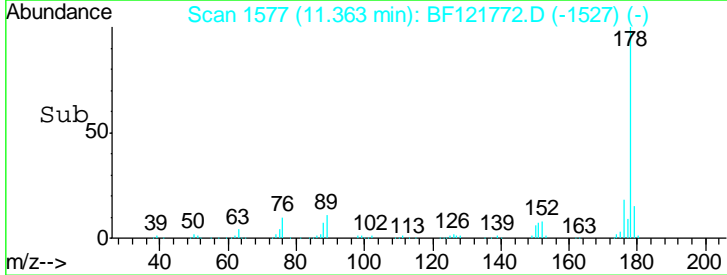
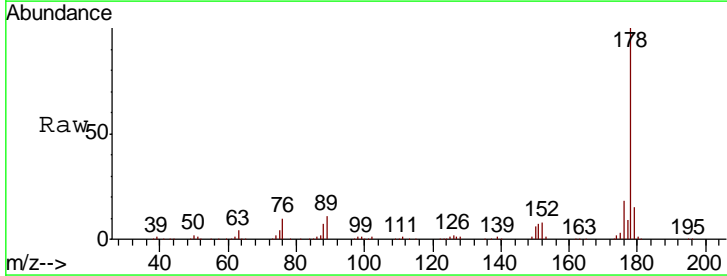
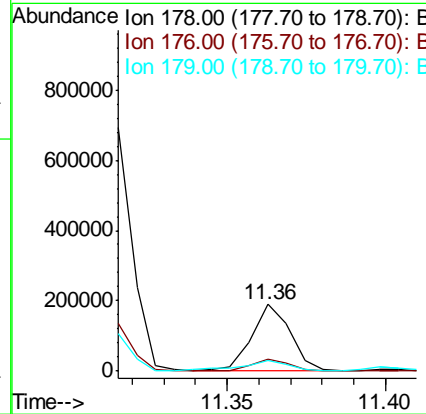
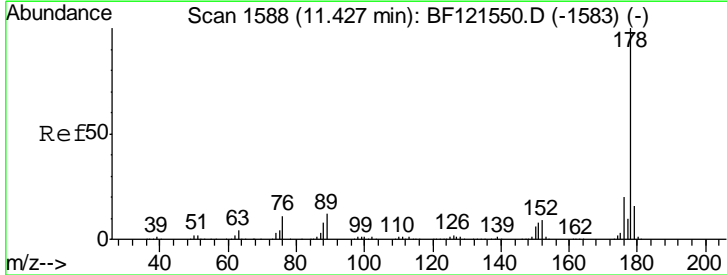
Instrument :
 BNA_F
 ClientSampled :
 B-11(9-11)

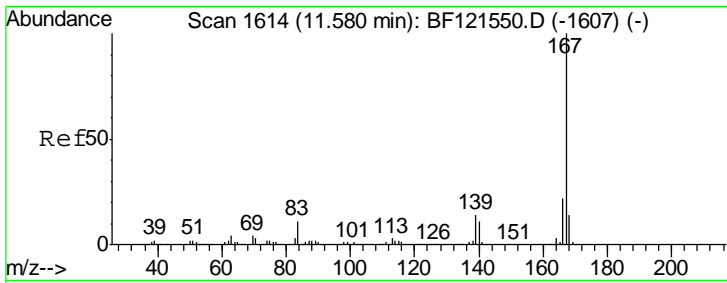
Tgt Ion	Resp	Lower	Upper
178	100		
176	19.4	15.9	23.9
179	15.2	12.2	18.4



#72
 Anthracene
 Concen: 6.228 ng
 RT: 11.36 min Scan# 1577
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.4	12.7	19.1

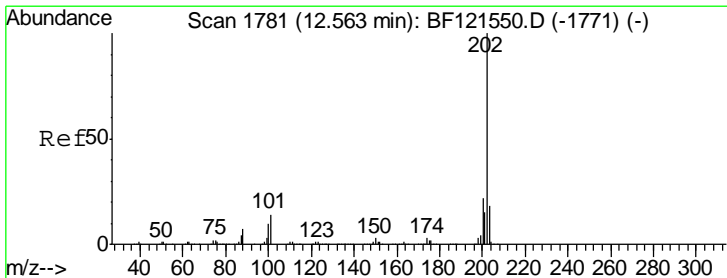
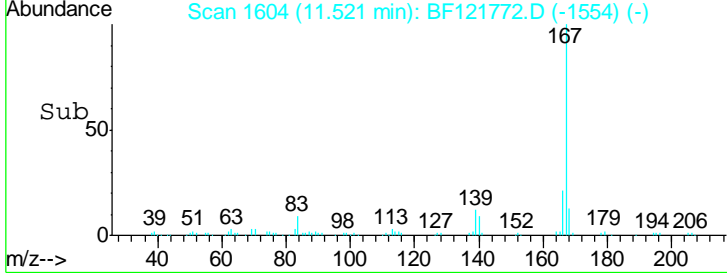
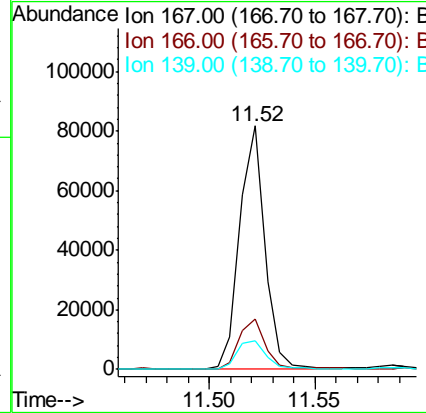
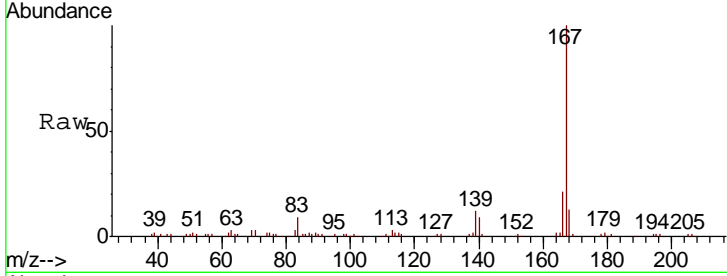




#73
 Carbazole
 Concen: 2.928 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

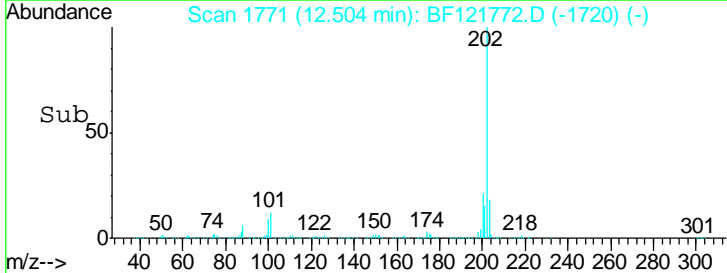
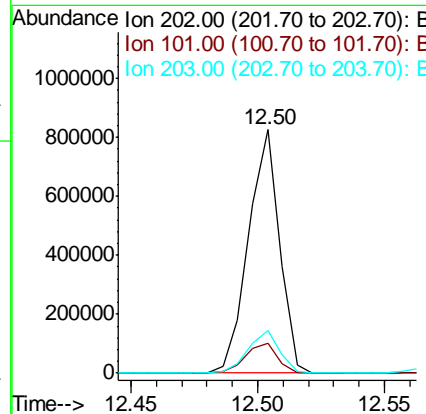
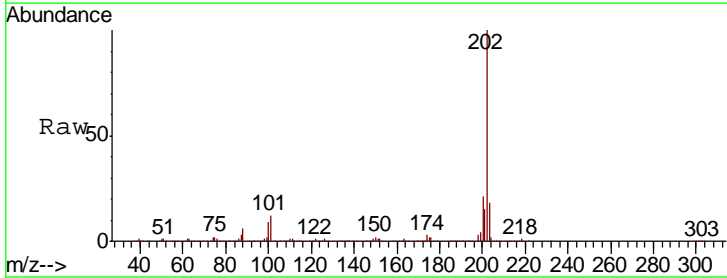
Instrument :
 BNA_F
 ClientSampled :
 B-11(9-11)

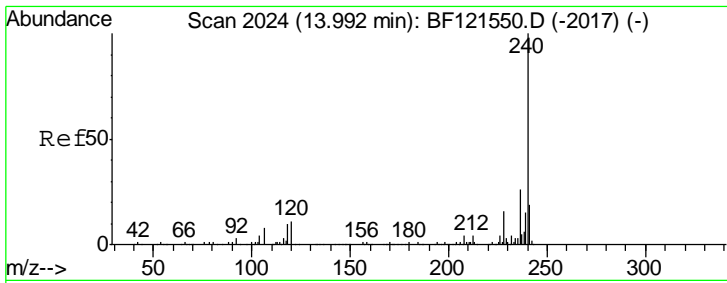
Tgt Ion	Resp	Lower	Upper
167	100		
166	20.8	17.8	26.6
139	11.7	10.8	16.2



#75
 Fluoranthene
 Concen: 26.614 ng
 RT: 12.50 min Scan# 1771
 Delta R.T. 0.00 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
202	100		
101	12.5	0.0	33.4
203	17.7	0.0	37.9

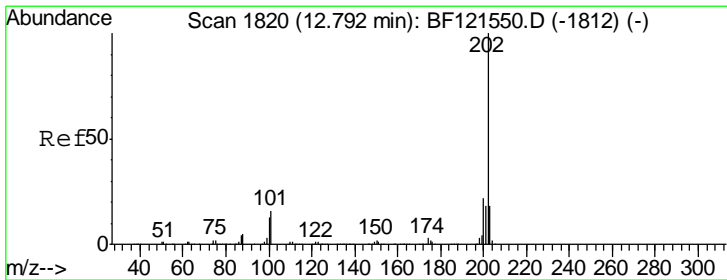
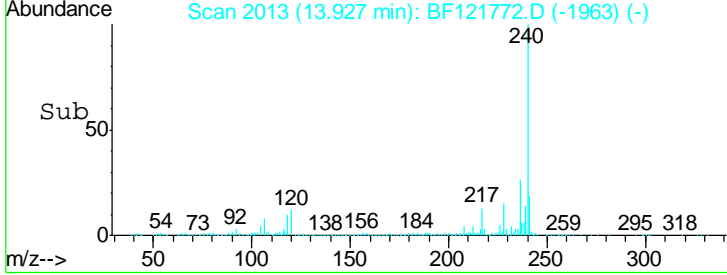
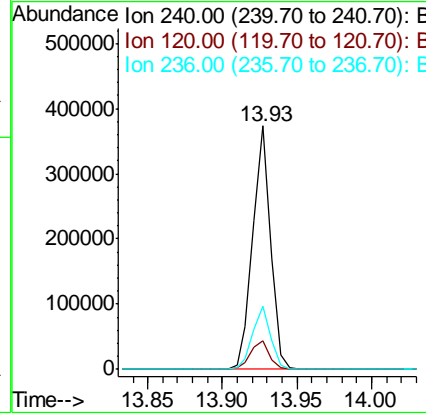
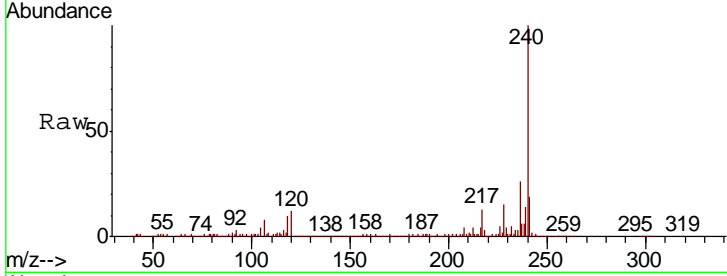




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.93 min Scan# 2013
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

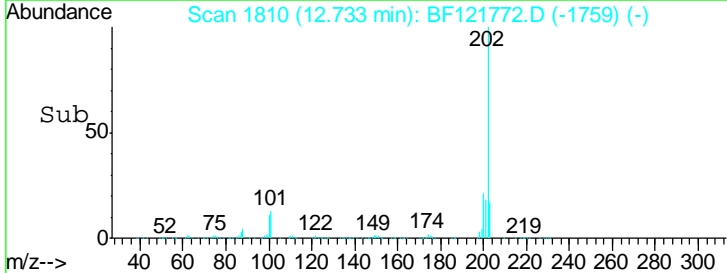
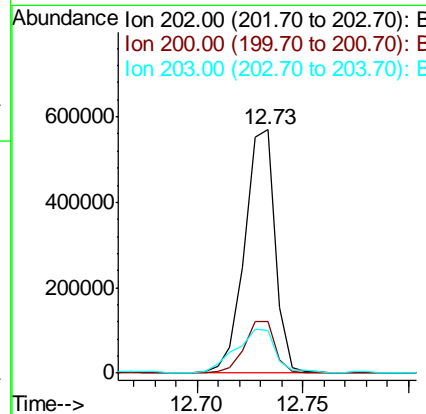
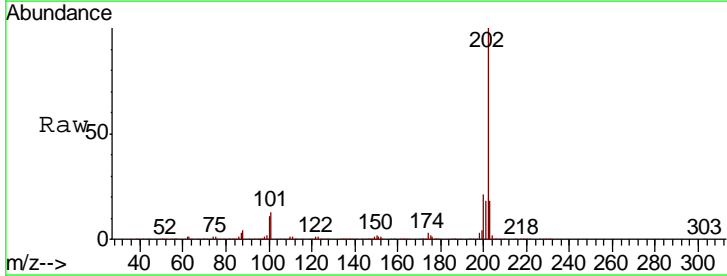
Instrument :
 BNA_F
ClientSampled :
 B-11(9-11)

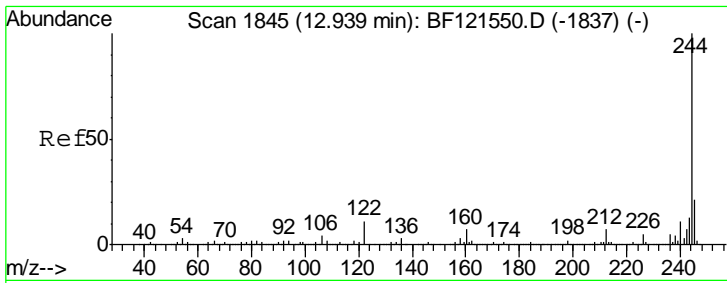
Tgt Ion	Resp	Lower	Upper
240	100		
120	11.5	9.2	13.8
236	26.0	20.9	31.3



#78
 Pyrene
 Concen: 25.232 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.5	14.6	21.8

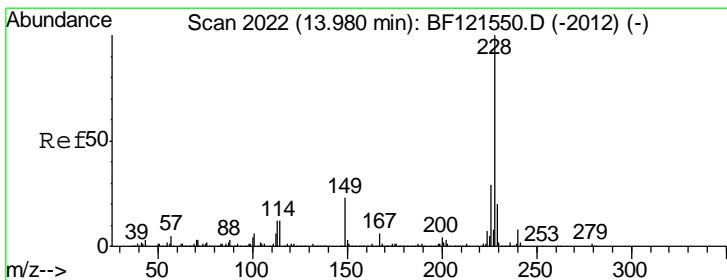
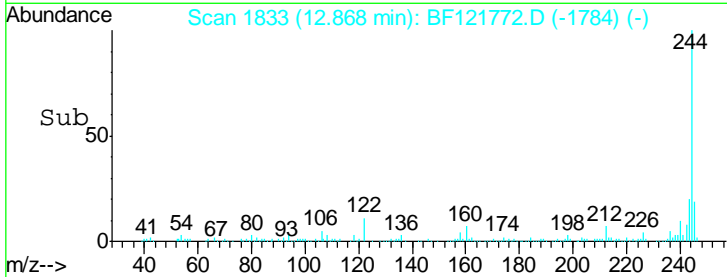
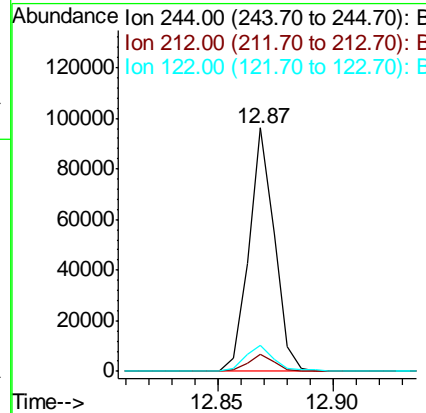
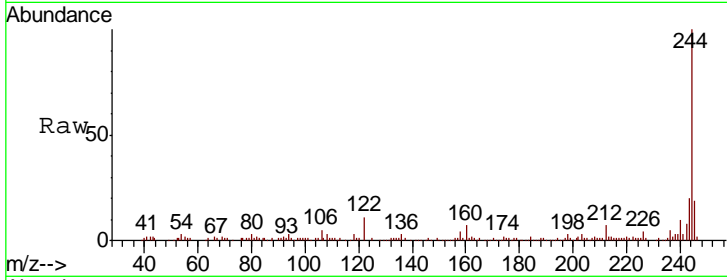




#79
 Terphenyl-d14
 Concen: 4.839 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

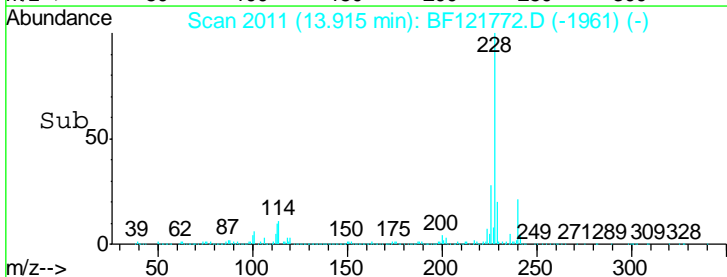
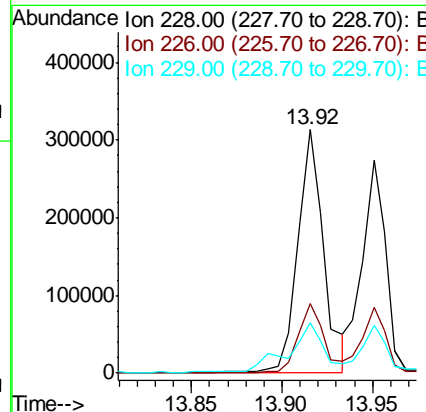
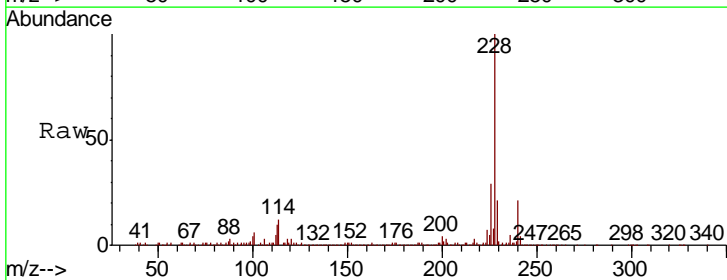
Instrument :
 BNA_F
 ClientSampled :
 B-11(9-11)

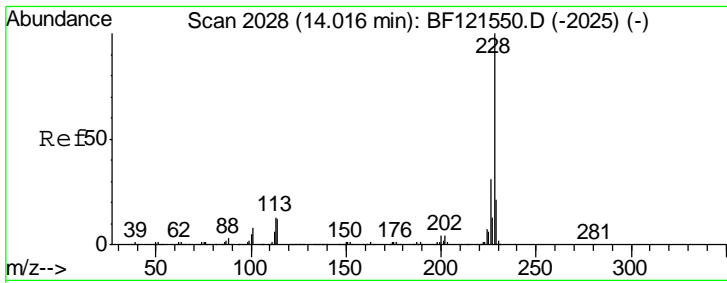
Tgt Ion	Resp	Lower	Upper
244	100		
212	7.0	5.4	8.2
122	10.7	8.1	12.1



#81
 Benzo(a)anthracene
 Concen: 16.040 ng
 RT: 13.92 min Scan# 2011
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.5	16.2	24.4

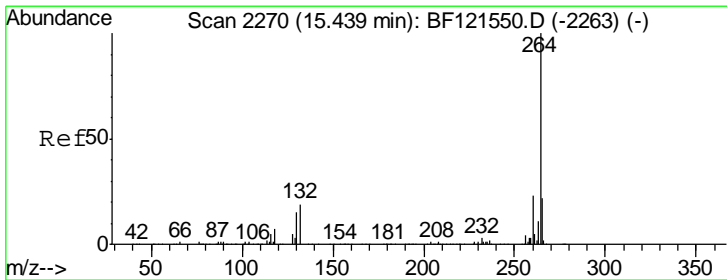
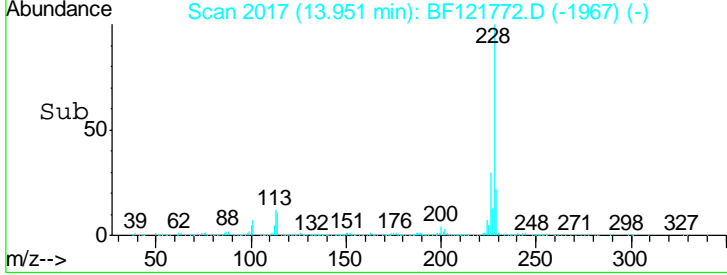
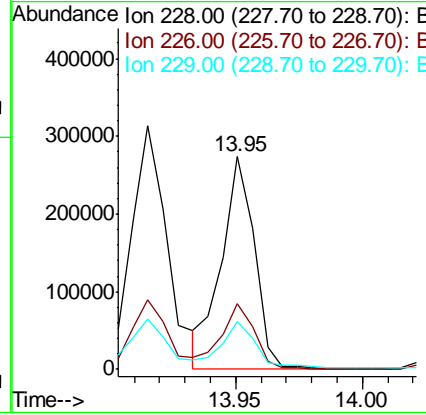
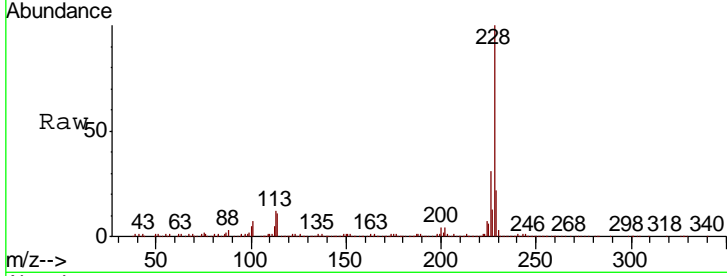




#83
 Chrysene
 Concen: 12.449 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

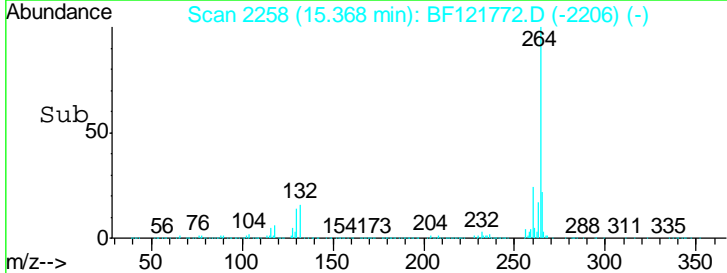
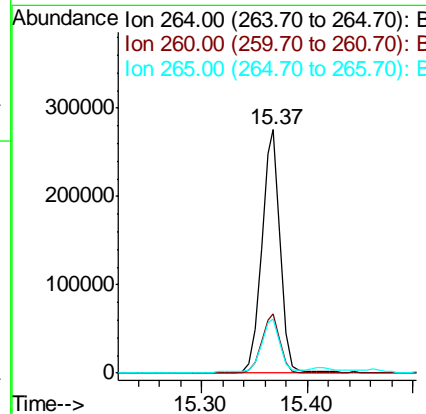
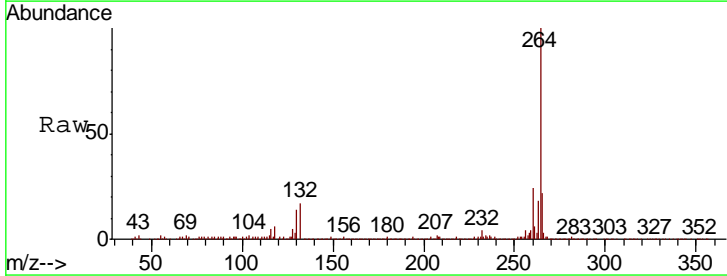
Instrument :
 BNA_F
 ClientSampled :
 B-11(9-11)

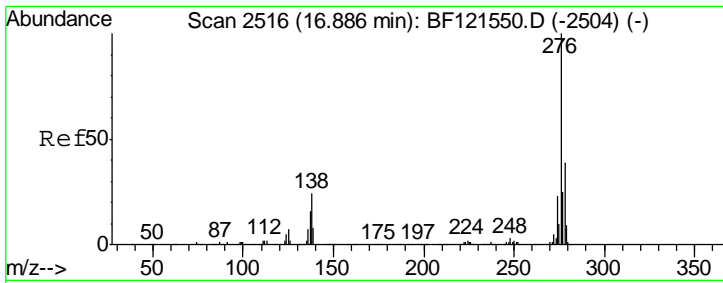
Tgt Ion	Resp	Lower	Upper
228	100		
226	30.7	24.6	37.0
229	22.5	15.9	23.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.37 min Scan# 2258
 Delta R.T. 0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.1	17.3	25.9

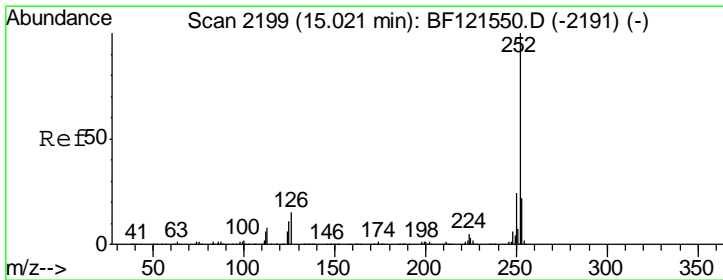
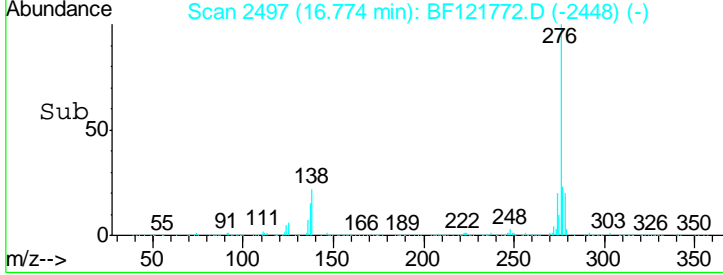
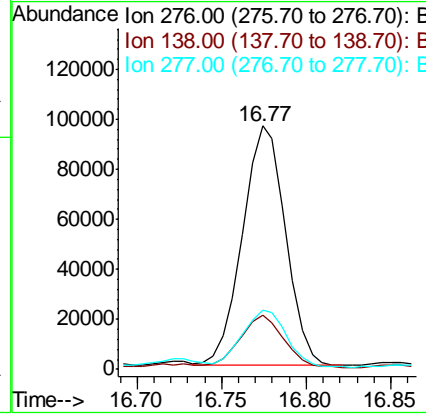
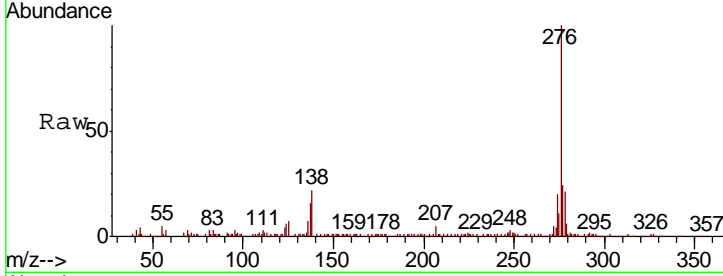




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.754 ng
 RT: 16.77 min Scan# 2497
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

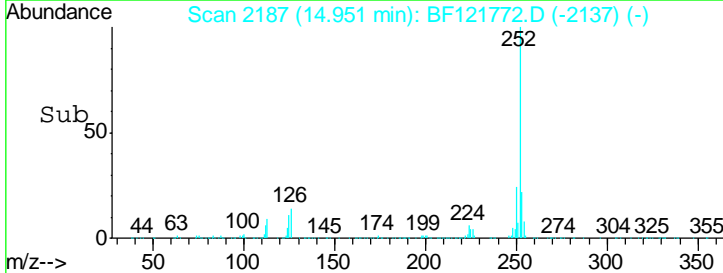
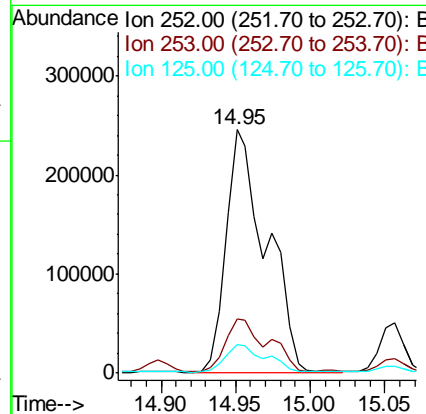
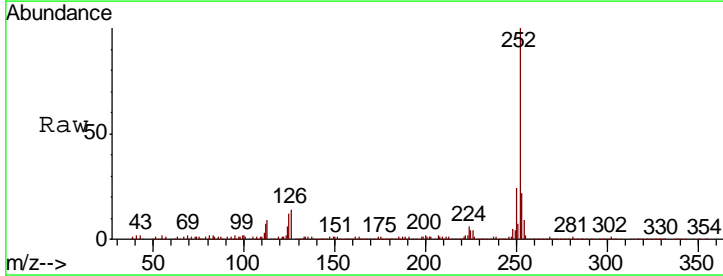
Instrument :
 BNA_F
 ClientSampled :
 B-11(9-11)

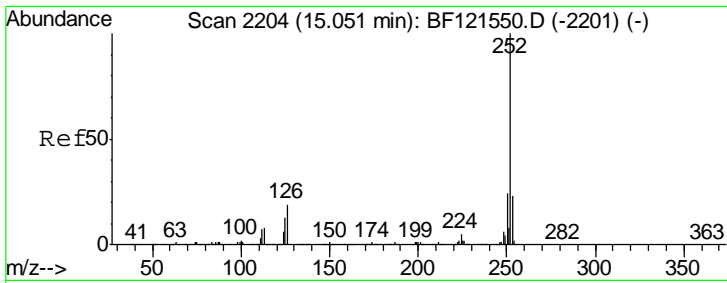
Tgt Ion	Resp	Lower	Upper
276	170662		
138	22.6	19.9	29.9
277	24.6	20.4	30.6



#88
 Benzo(b)fluoranthene
 Concen: 20.345 ng
 RT: 14.95 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
252	459631		
253	22.4	18.2	27.2
125	11.8	8.0	12.0

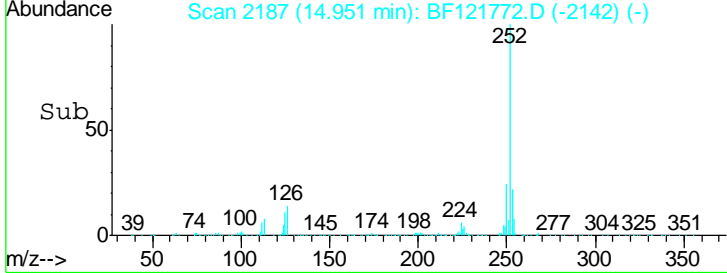
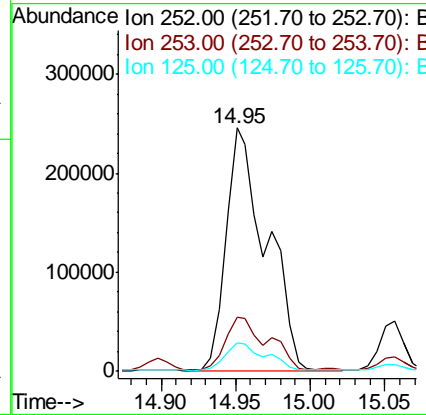
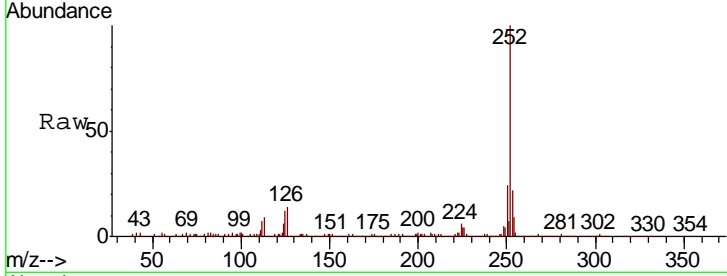




#89
 Benzo(k)fluoranthene
 Concen: 22.216 ng
 RT: 14.95 min Scan# 2187
 Delta R.T. -0.04 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

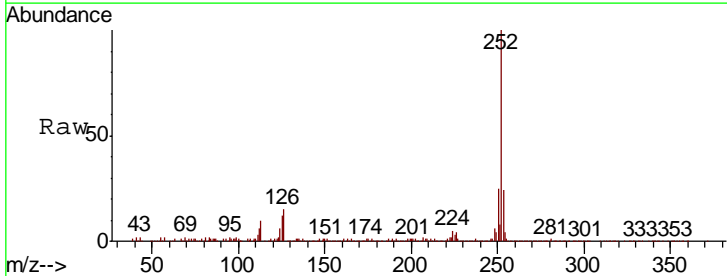
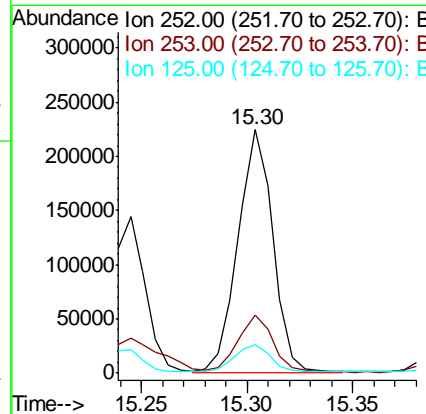
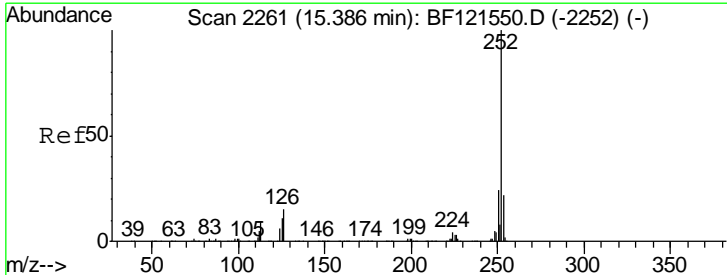
Instrument :
 BNA_F
ClientSampled :
 B-11(9-11)

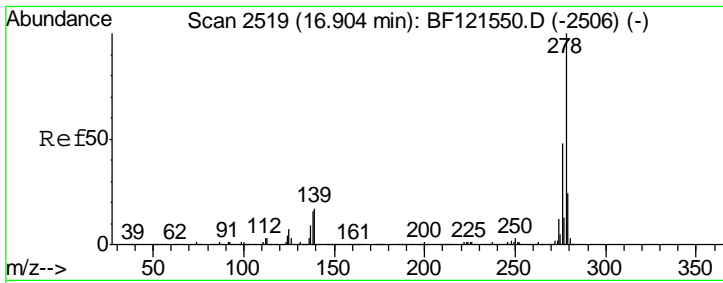
Tgt Ion	Resp	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	11.8	7.7	11.5#



#90
 Benzo(a)pyrene
 Concen: 13.255 ng
 RT: 15.30 min Scan# 2247
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
252	100		
253	23.9	17.3	25.9
125	11.9	8.6	13.0

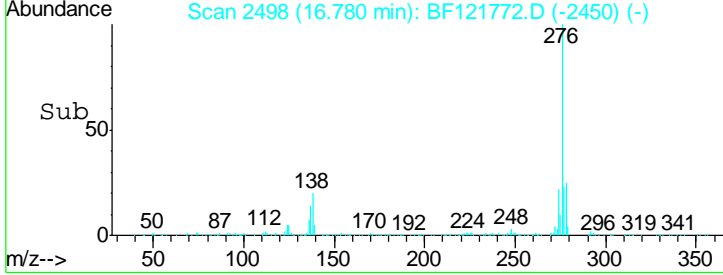
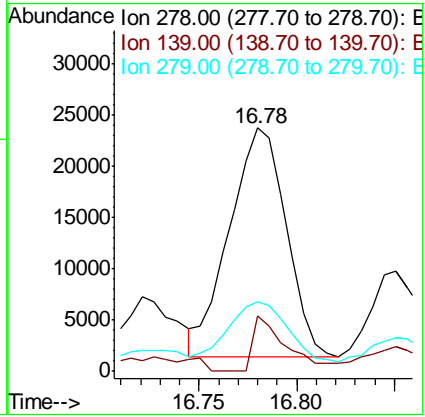
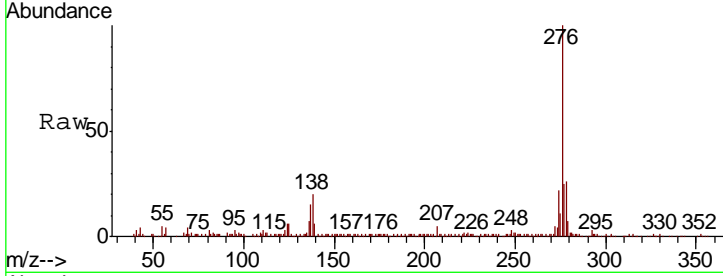




#91
 Dibenzo(a,h)anthracene
 Concen: 2.449 ng
 RT: 16.78 min Scan# 2498
 Delta R.T. -0.02 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Instrument :
 BNA_F
 ClientSampled :
 B-11(9-11)

Tgt Ion	Resp	Lower	Upper
278	44866		
139	22.7	13.0	19.4#
279	28.7	19.0	28.4#



#92
 Benzo(g,h,i)perylene
 Concen: 8.772 ng
 RT: 17.20 min Scan# 2570
 Delta R.T. -0.01 min
 Lab File: BF121772.D
 Acq: 1 Oct 2020 17:43

Tgt Ion	Resp	Lower	Upper
276	157971		
277	24.7	19.4	29.2
138	22.2	17.8	26.6

