

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114817.D
 Acq On : 5 Jun 2019 13:31
 Operator : HP/JU
 Sample : K3172-01 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 04:57:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF060419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 04 16:57:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	479586	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1762204	20.00	ng	0.00
39) Acenaphthene-d10	9.69	164	845617	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1509391	20.00	ng	0.00
76) Chrysene-d12	13.79	240	1024411	20.00	ng	0.00
87) Perylene-d12	15.20	264	819864	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.26	112	736947	26.85	ng	0.00
7) Phenol-d6	6.30	99	2150964	64.41	ng	0.00
23) Nitrobenzene-d5	7.22	82	1528311	53.39	ng	-0.01
42) 2,4,6-Tribromophenol	10.47	330	57687	6.33	ng	-0.01
45) 2-Fluorobiphenyl	9.02	172	2757575	61.09	ng	0.00
79) Terphenyl-d14	12.75	244	2678485	50.85	ng	0.00

Target Compounds

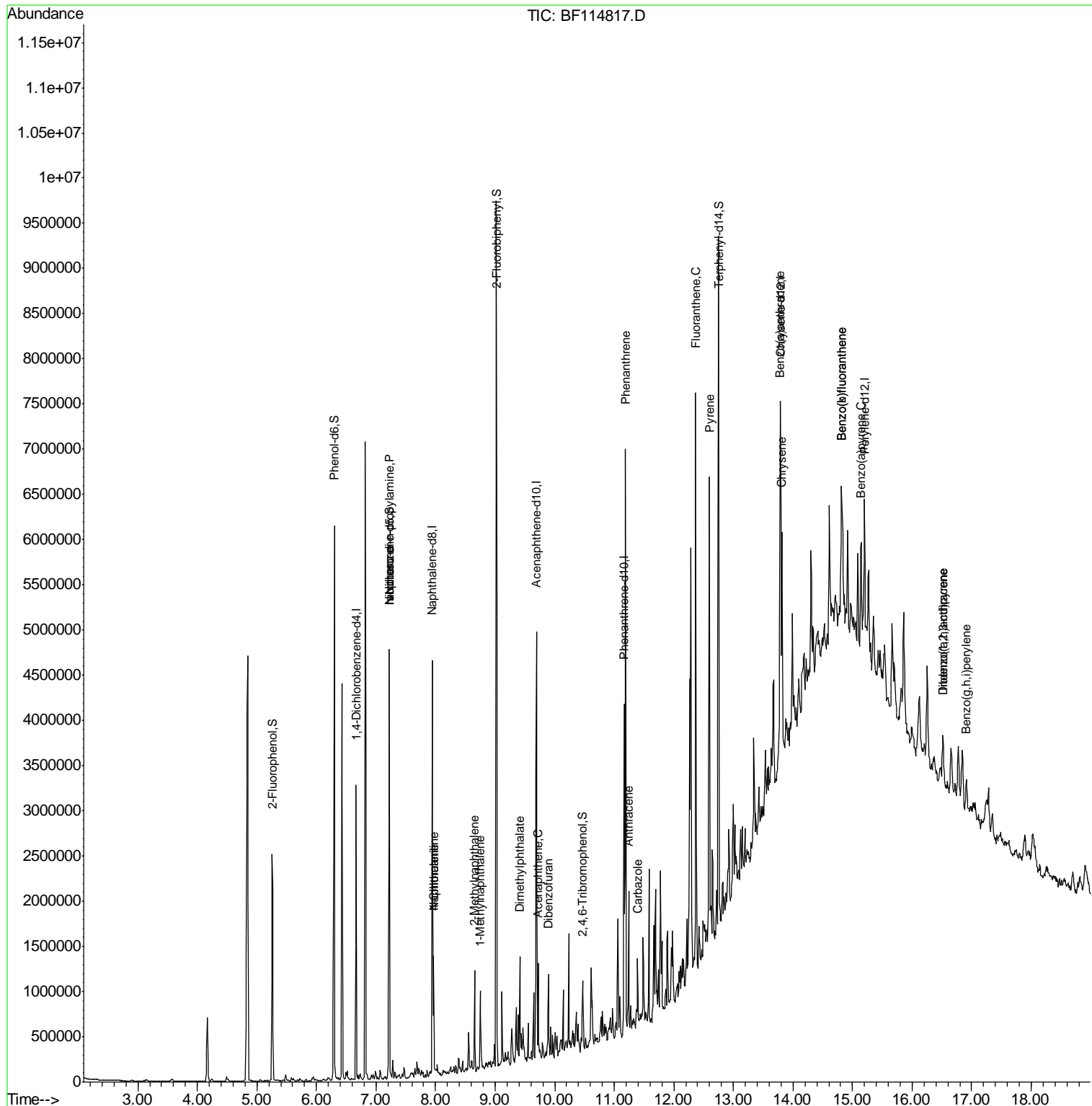
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.22	70	204145	9.234	ng	# 78
25) Isophorone	7.22	82	1503694	26.570	ng	# 61
31) Naphthalene	7.97	128	588155	7.414	ng	95
33) 4-Chloroaniline	7.97	127	77940	2.059	ng	# 30
37) 2-Methylnaphthalene	8.66	142	268709	4.883	ng	97
38) 1-Methylnaphthalene	8.75	142	207470	3.976	ng	98
50) Dimethylphthalate	9.42	163	444130	7.191	ng	98
52) Acenaphthene	9.72	154	195870	3.872	ng	96
55) Dibenzofuran	9.89	168	243089	3.456	ng	95
58) Fluorene	10.23	166	331193	Below Cal		98
71) Phenanthrene	11.19	178	2317990	32.169	ng	99
72) Anthracene	11.24	178	539287	7.112	ng	94
73) Carbazole	11.39	167	306381	4.713	ng	97
75) Fluoranthene	12.37	202	2454700	32.731	ng	97
78) Pyrene	12.60	202	2225759	25.045	ng	98
81) Benzo(a)anthracene	13.78	228	1057424	13.395	ng	98
83) Chrysene	13.82	228	1057035	13.765	ng	95
86) Indeno(1,2,3-cd)pyrene	16.52	276	330567	3.773	ng	97
88) Benzo(b)fluoranthene	14.82	252	1204337	23.074	ng	# 90
89) Benzo(k)fluoranthene	14.82	252	1204337	27.171	ng	# 91
90) Benzo(a)pyrene	15.14	252	586918	12.992	ng	# 91
91) Dibenzo(a,h)anthracene	16.53	278	98320	2.298	ng	# 58
92) Benzo(g,h,i)perylene	16.92	276	314205	7.303	ng	93

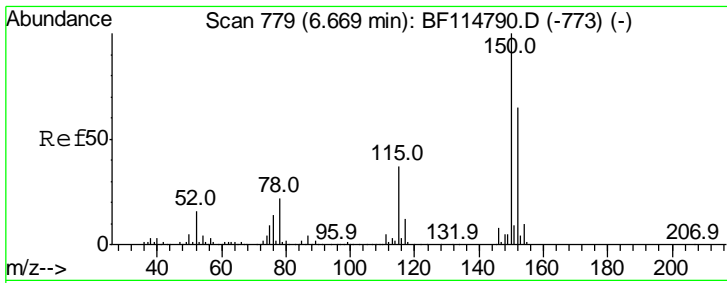
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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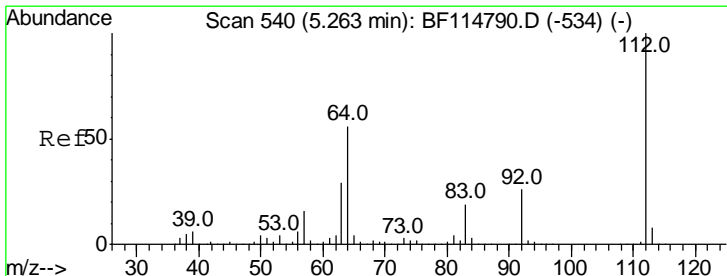
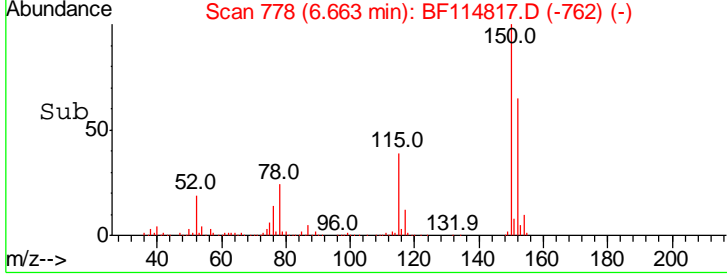
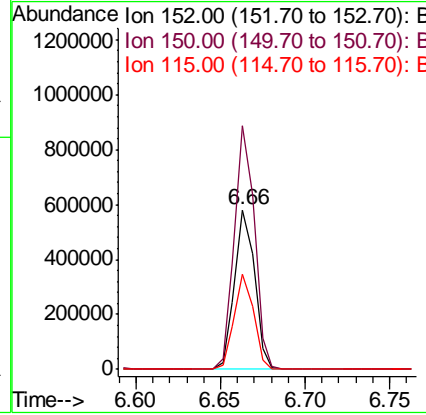
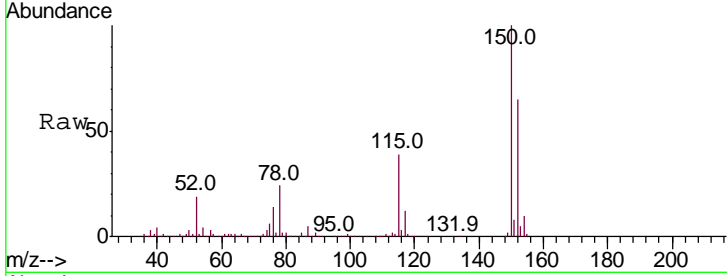




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.66 min Scan# 778
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

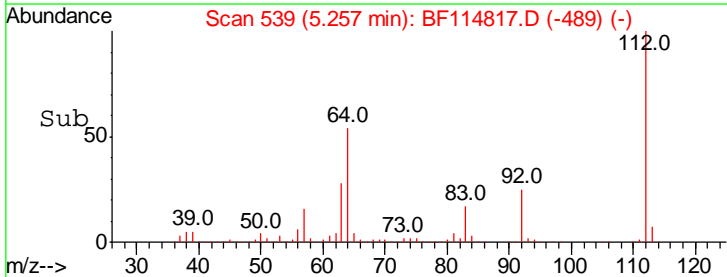
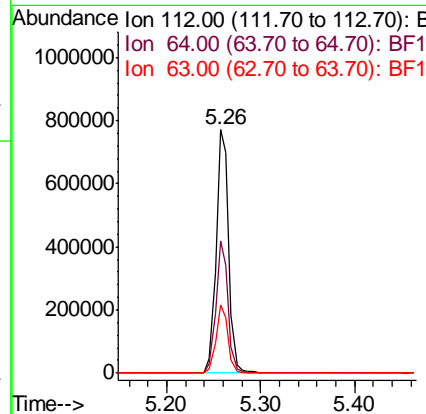
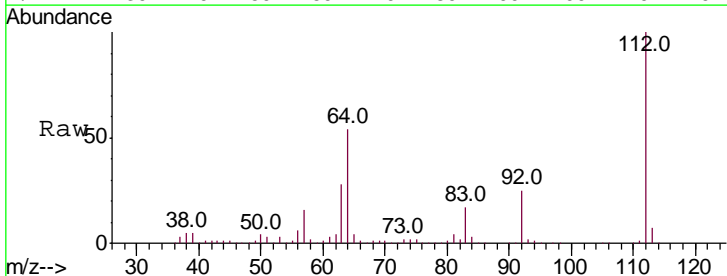
Instrument :
 BNA_F
 ClientSampled :

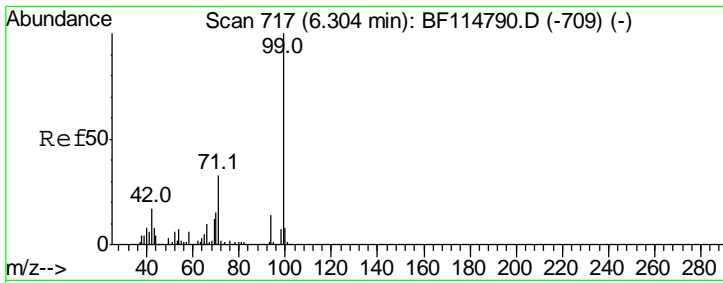
Tgt Ion	Resp	Lower	Upper
152	100		
150	152.9	124.0	186.0
115	59.5	46.3	69.5



#5
 2-Fluorophenol
 Concen: 26.850 ng
 RT: 5.26 min Scan# 539
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
112	100		
64	54.1	44.6	66.8
63	28.0	23.0	34.4

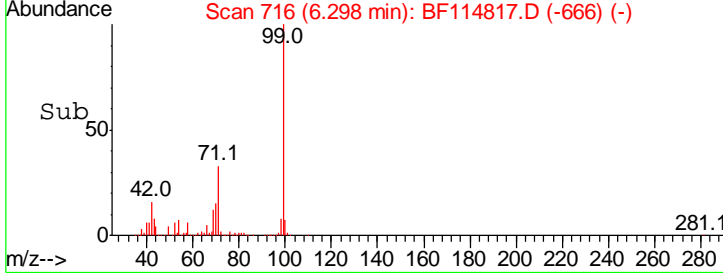
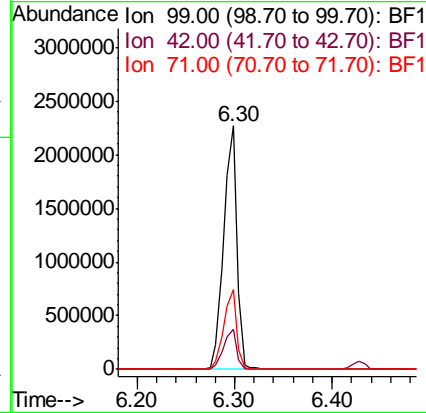
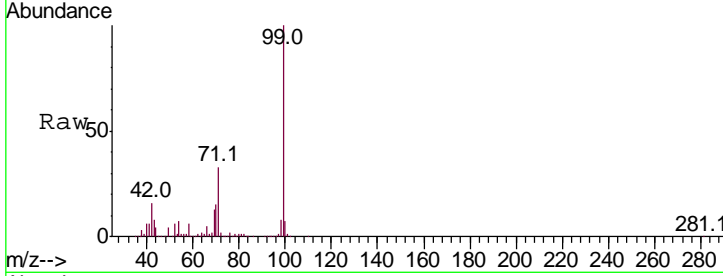




#7
 Phenol-d6
 Concen: 64.406 ng
 RT: 6.30 min Scan# 716
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

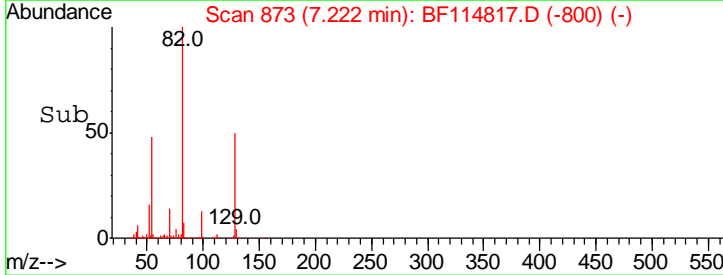
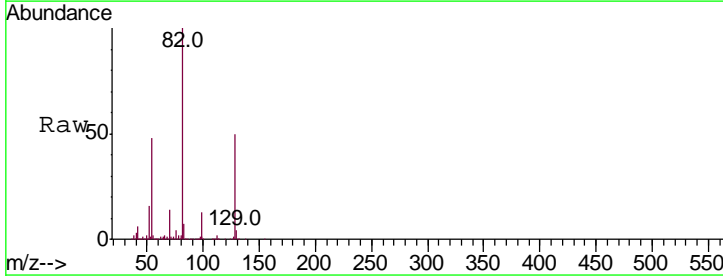
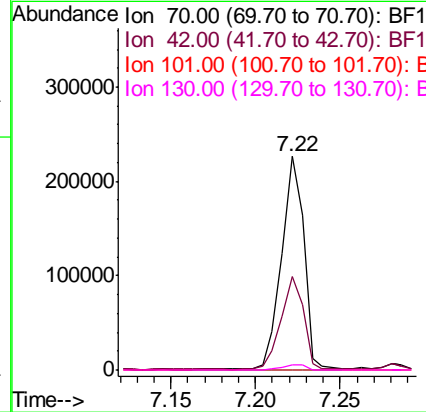
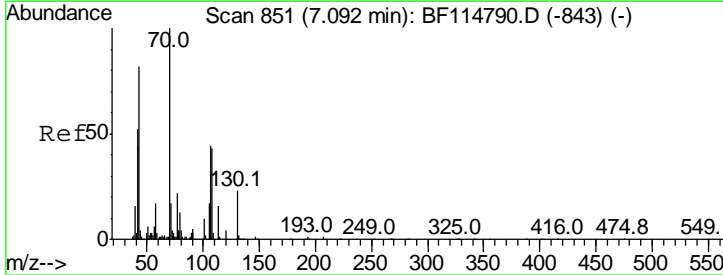
Instrument :
 BNA_F
 ClientSampled :

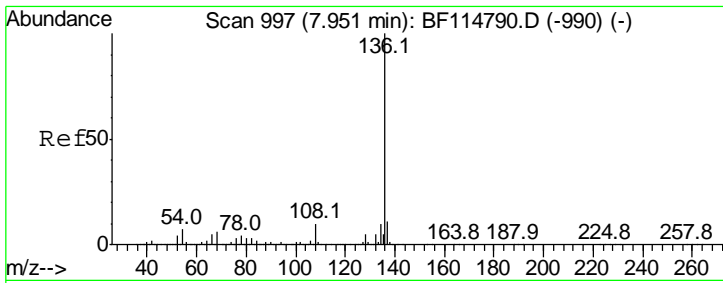
Tgt Ion	Resp	Lower	Upper
99	100		
42	16.3	13.3	19.9
71	32.9	26.3	39.5



#19
 n-Nitroso-di-n-propylamine
 Concen: 9.234 ng
 RT: 7.22 min Scan# 873
 Delta R.T. 0.13 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
70	100		
42	43.7	41.8	62.8
101	0.0	8.2	12.4#
130	2.5	18.5	27.7#



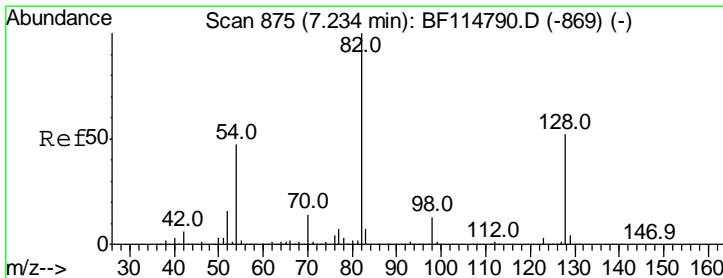
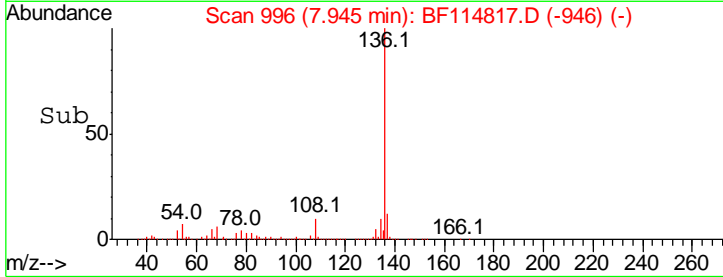
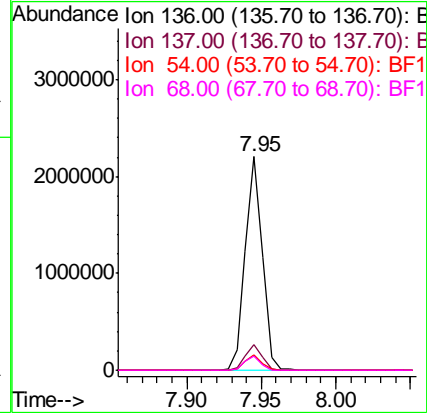
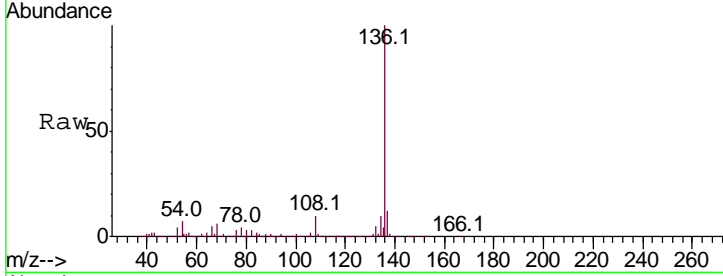


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 7.95 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 136 Resp: 1762204

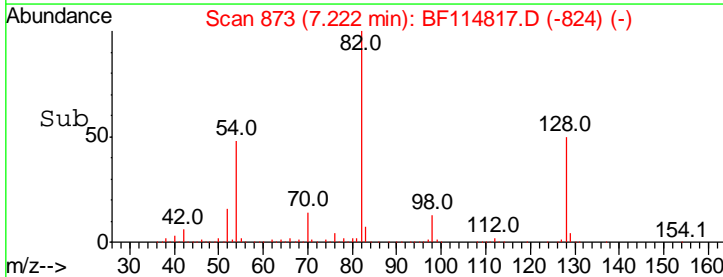
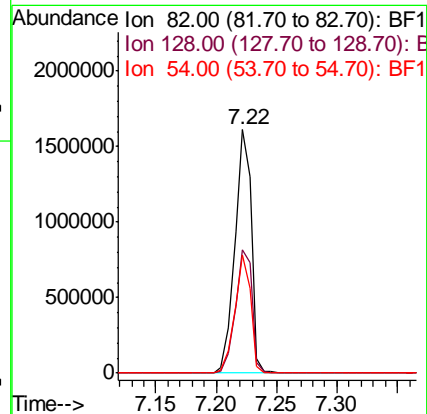
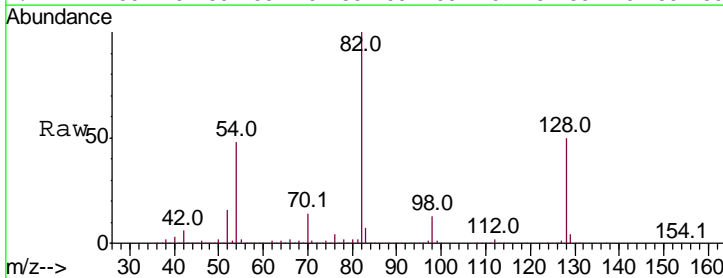
Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.1	13.7
54	7.3	5.4	8.0
68	6.3	4.6	6.8

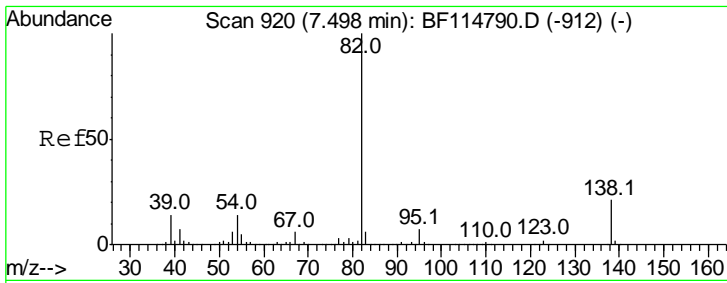


#23
 Nitrobenzene-d5
 Concen: 53.388 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion: 82 Resp: 1528311

Ion	Ratio	Lower	Upper
82	100		
128	50.4	41.8	62.6
54	48.3	37.9	56.9



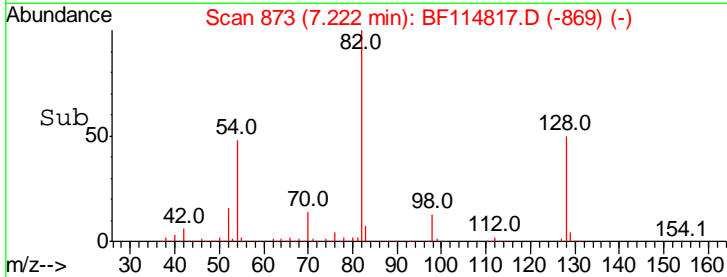
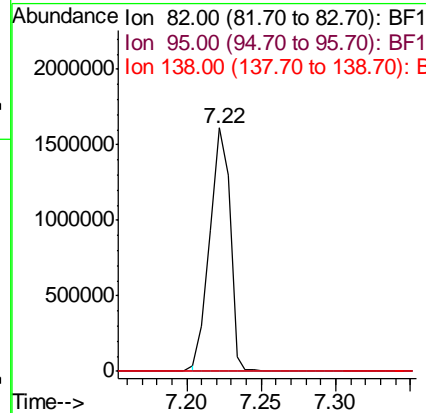
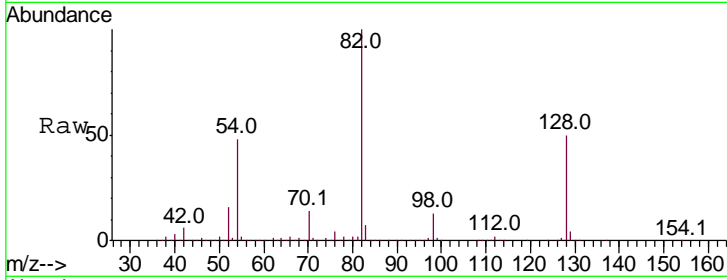


#25
 Isophorone
 Concen: 26.570 ng
 RT: 7.22 min Scan# 873
 Delta R.T. -0.28 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 82 Resp: 1503694

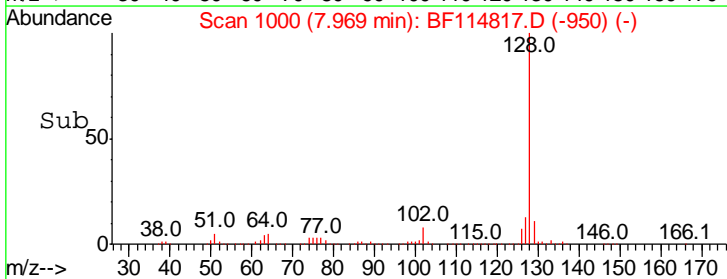
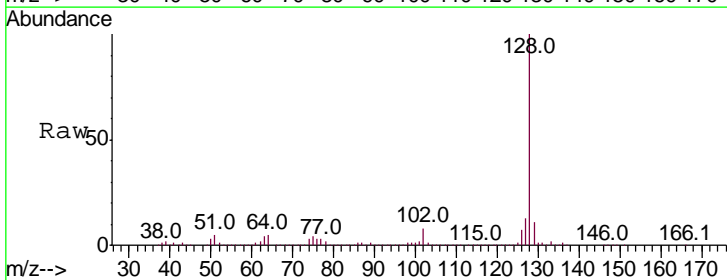
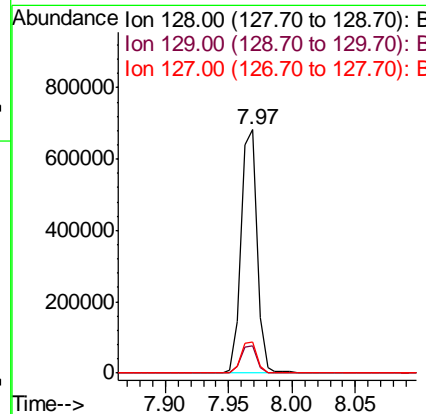
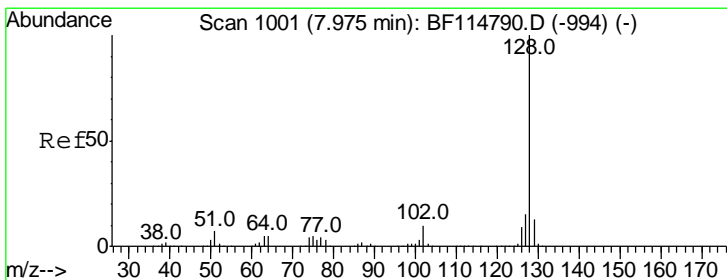
Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.8	8.8#
138	0.0	16.9	25.3#

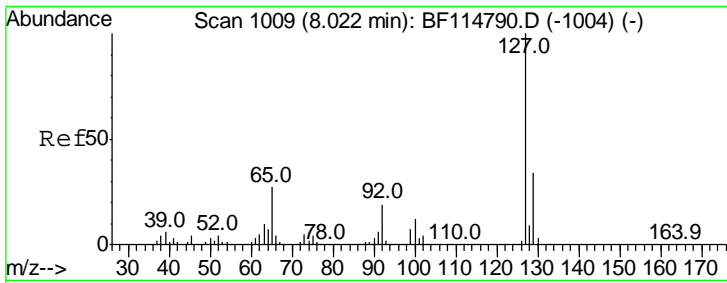


#31
 Naphthalene
 Concen: 7.414 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion: 128 Resp: 588155

Ion	Ratio	Lower	Upper
128	100		
129	11.4	10.0	15.0
127	12.6	12.2	18.2

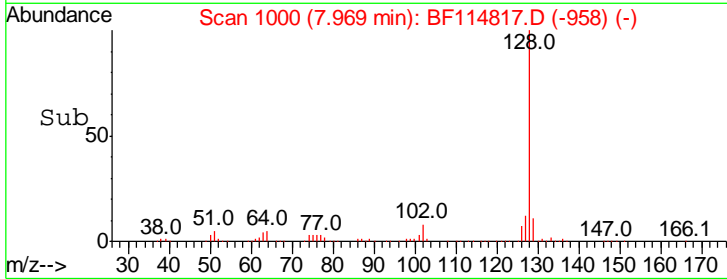
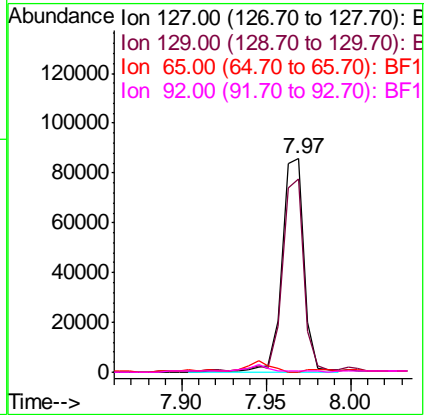
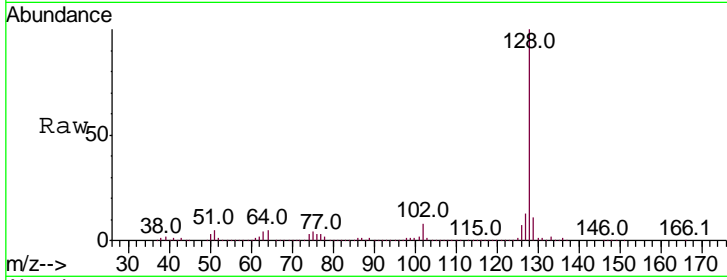




#33
 4-Chloroaniline
 Concen: 2.059 ng
 RT: 7.97 min Scan# 1000
 Delta R.T. -0.05 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

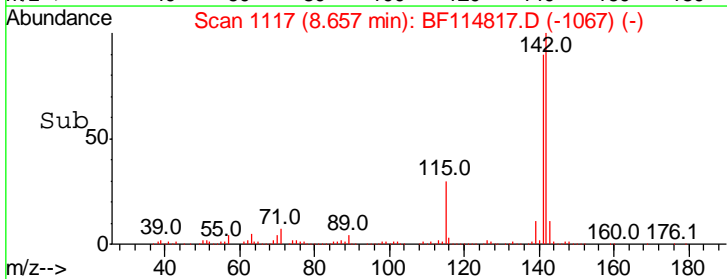
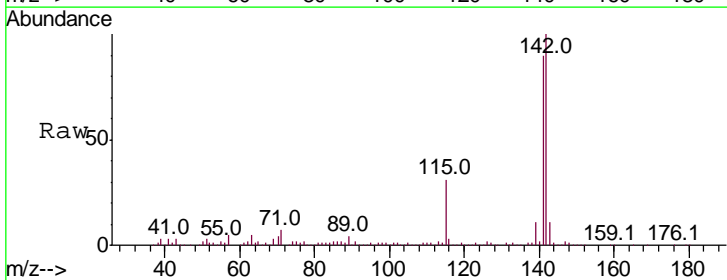
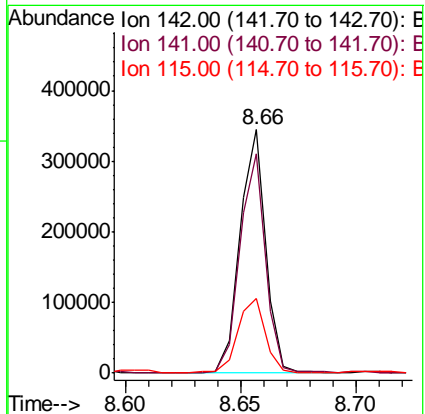
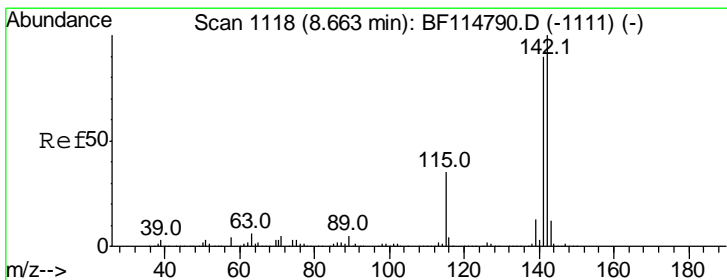
Instrument :
 BNA_F
 ClientSampled :

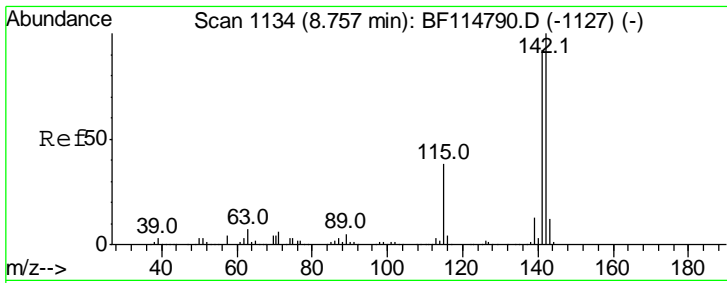
Tgt Ion	Resp	Lower	Upper
127	100		
129	90.6	26.9	40.3#
65	0.0	21.7	32.5#
92	0.6	14.8	22.2#



#37
 2-Methylnaphthalene
 Concen: 4.883 ng
 RT: 8.66 min Scan# 1117
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
142	100		
141	90.2	71.6	107.4
115	30.5	28.2	42.4

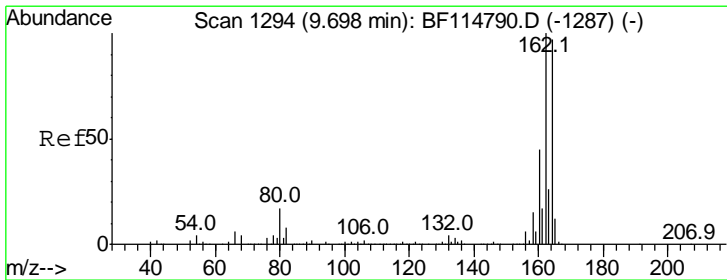
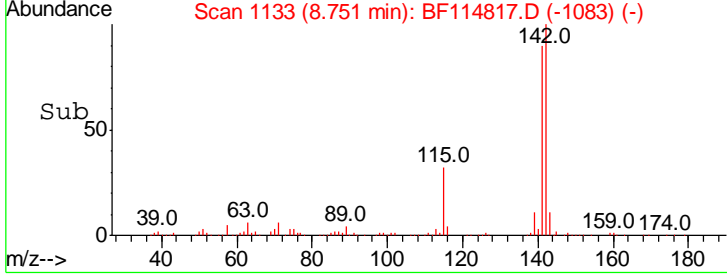
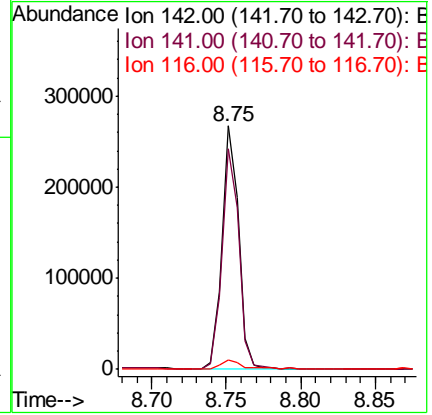
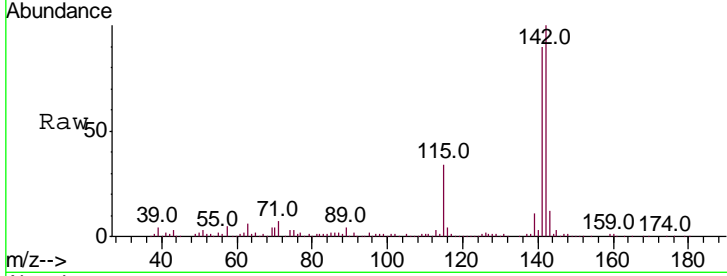




#38
 1-Methylnaphthalene
 Concen: 3.976 ng
 RT: 8.75 min Scan# 1133
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

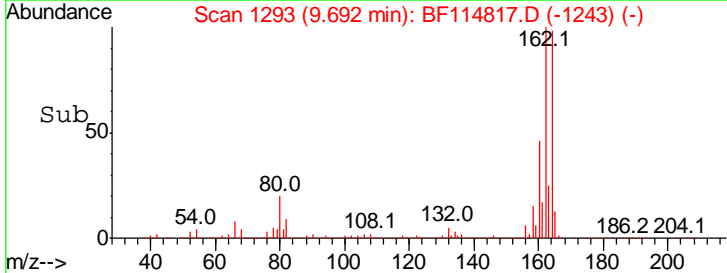
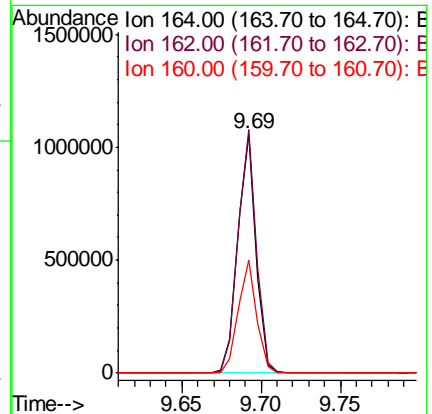
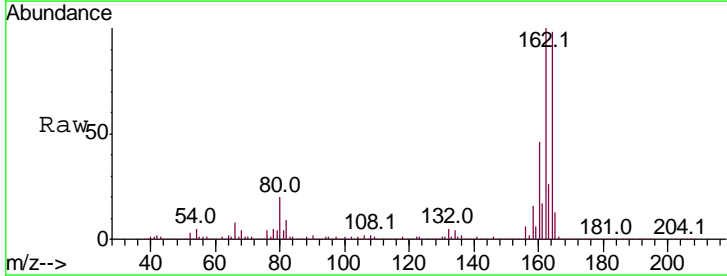
Instrument :
 BNA_F
 ClientSampled :

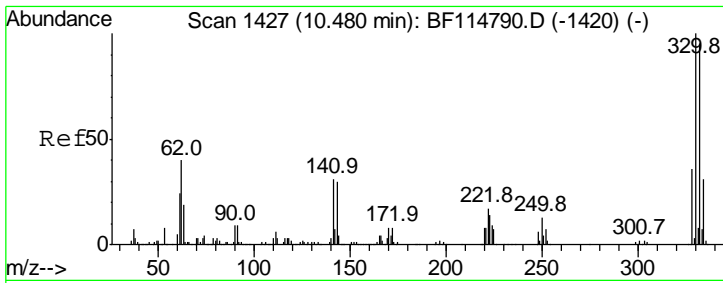
Tgt Ion	Resp	Lower	Upper
142	100		
141	90.4	73.8	110.6
116	4.0	3.3	4.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.69 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
164	100		
162	101.9	82.3	123.5
160	47.2	36.7	55.1

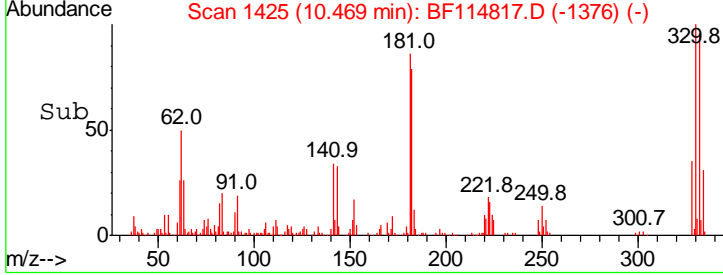
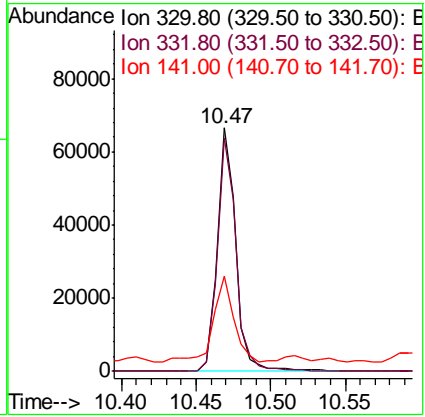
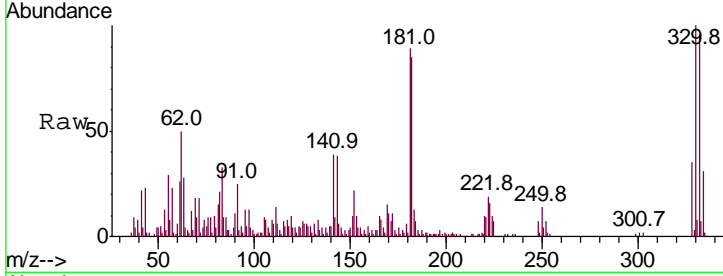




#42
 2,4,6-Tribromophenol
 Concen: 6.330 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

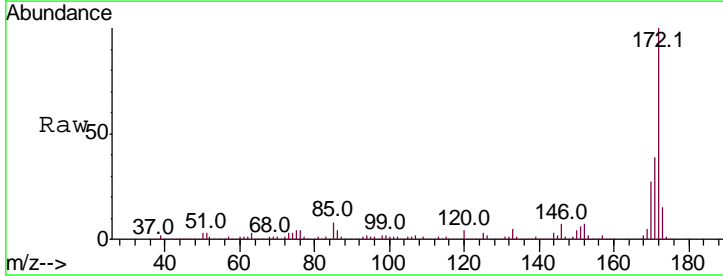
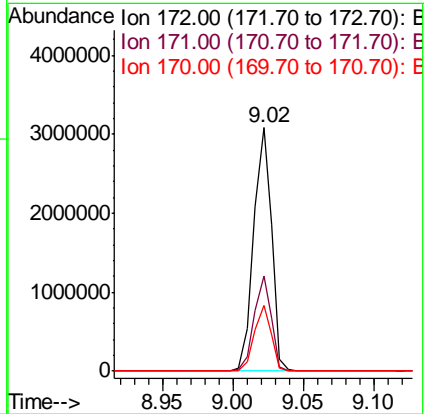
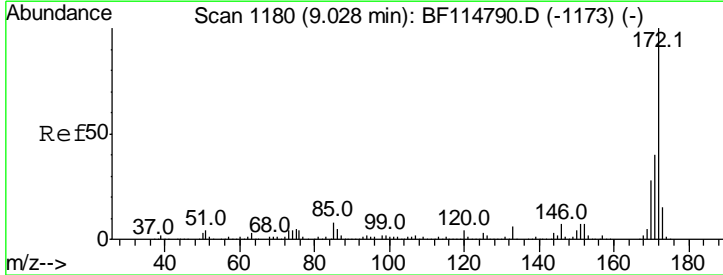
Instrument :
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 ClientSampled :

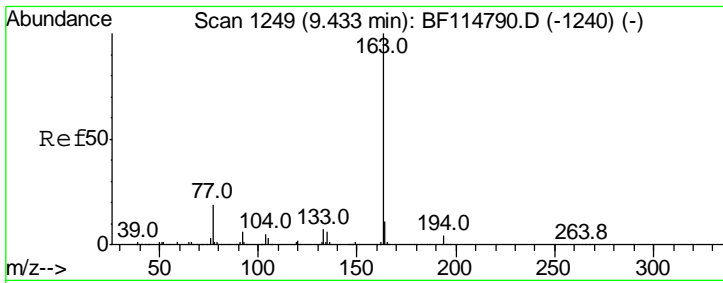
Tgt Ion	Resp	Lower	Upper
330	100		
332	96.3	77.3	115.9
141	40.2	26.2	39.4



#45
 2-Fluorobiphenyl
 Concen: 61.088 ng
 RT: 9.02 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
172	100		
171	38.8	32.3	48.5
170	27.1	22.4	33.6

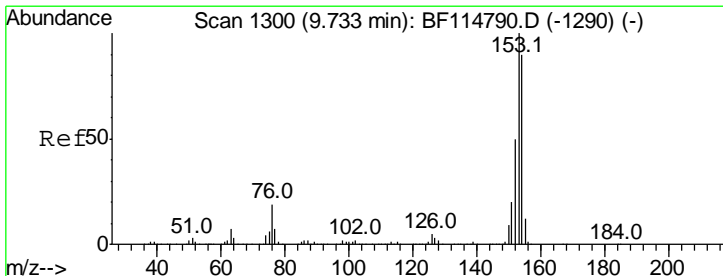
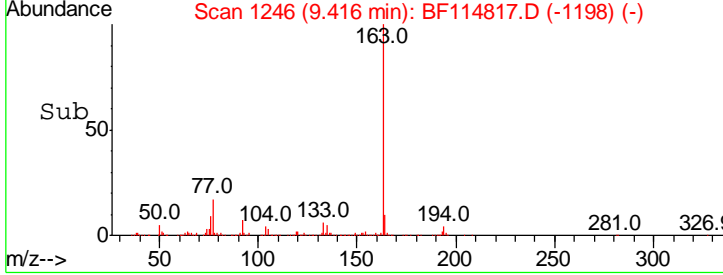
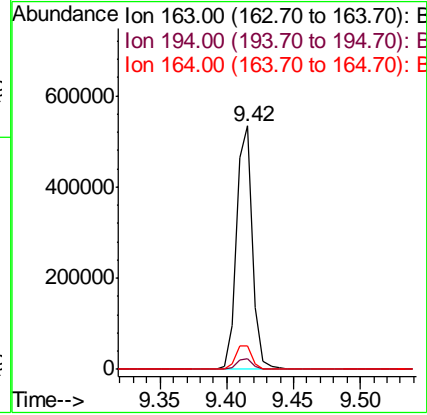
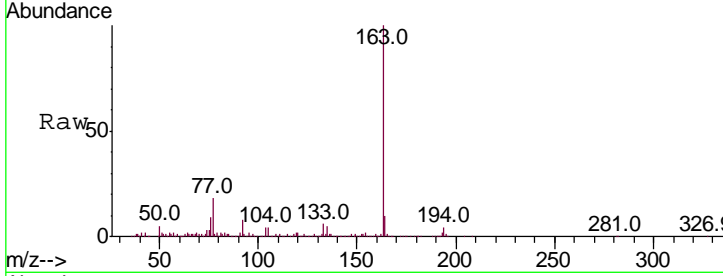




#50
 Dimethylphthalate
 Concen: 7.191 ng
 RT: 9.42 min Scan# 1246
 Delta R.T. -0.02 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

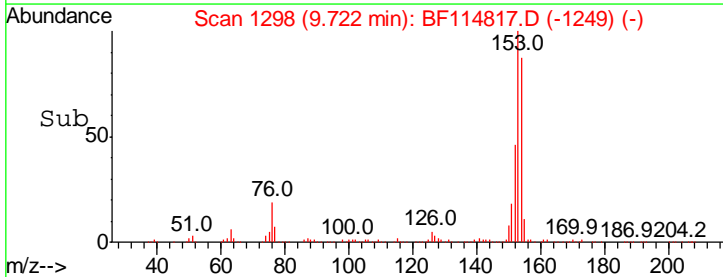
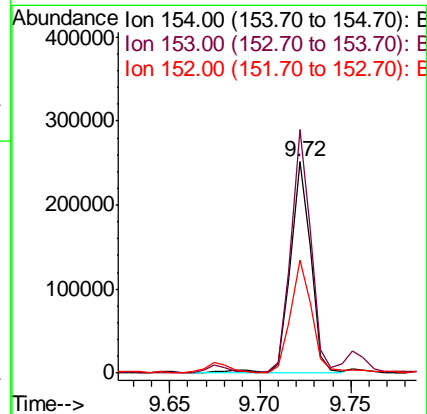
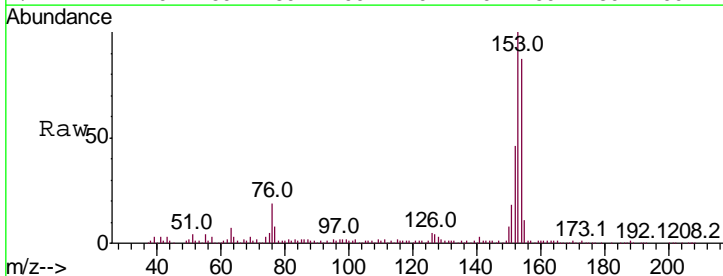
Instrument :
 BNA_F
 ClientSampled :

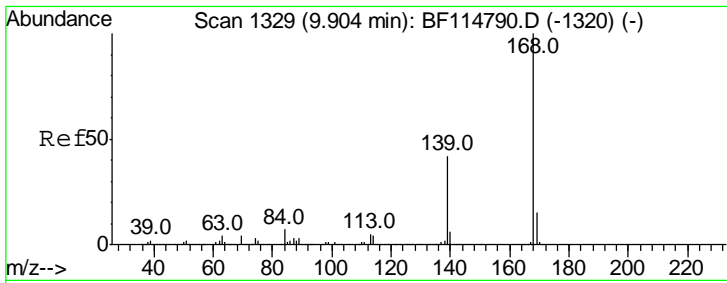
Tgt Ion	Resp	Lower	Upper
163	100		
194	4.2	3.4	5.2
164	9.8	8.6	13.0



#52
 Acenaphthene
 Concen: 3.872 ng
 RT: 9.72 min Scan# 1298
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
154	100		
153	115.2	88.5	132.7
152	53.4	44.1	66.1

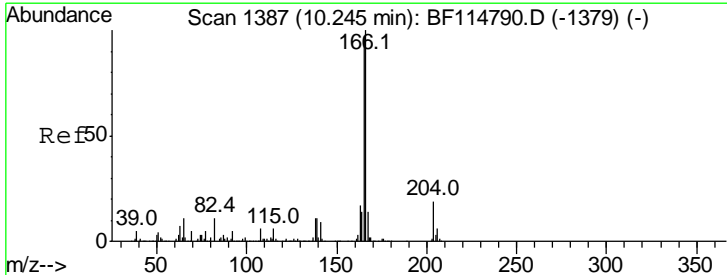
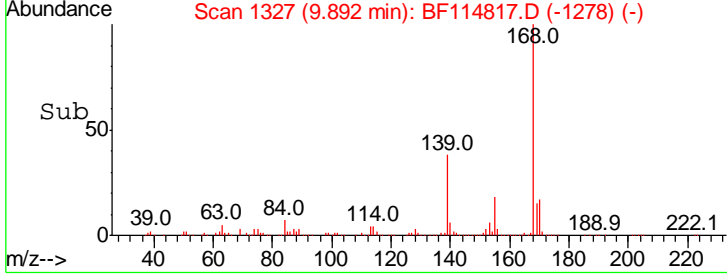
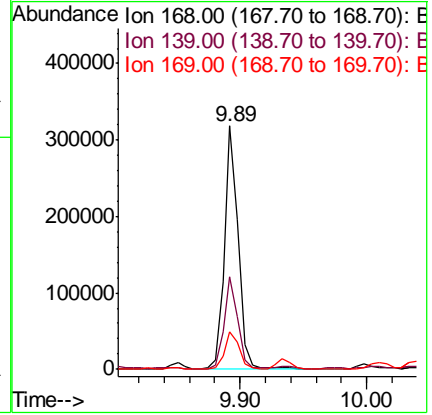
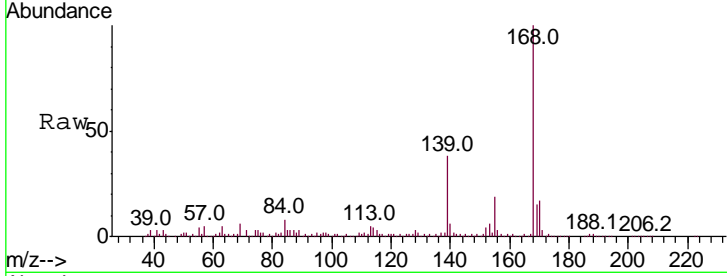




#55
 Dibenzofuran
 Concen: 3.456 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

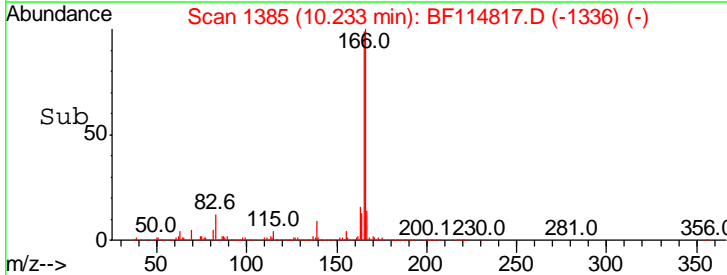
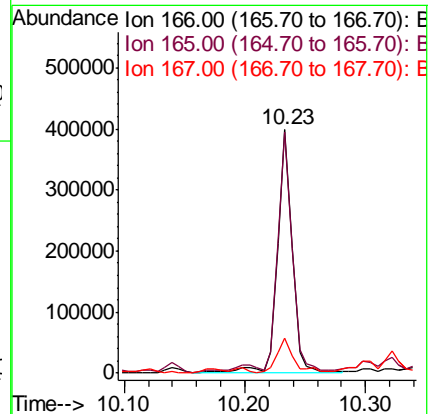
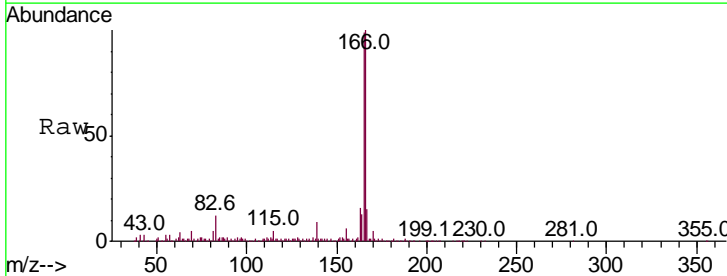
Instrument :
 BNA_F
 ClientSampled :

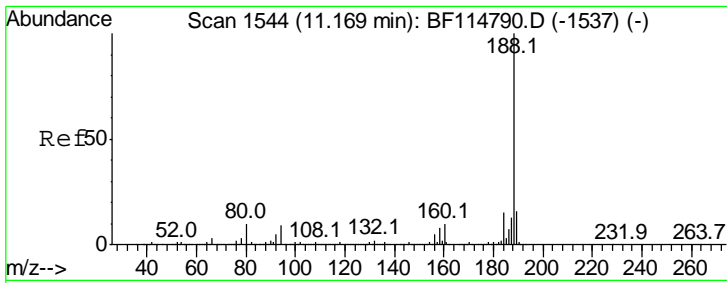
Tgt Ion	Resp	Lower	Upper
168	100		
139	37.9	33.8	50.6
169	15.4	11.9	17.9



#58
 Fluorene
 Concen: Below Cal
 RT: 10.23 min Scan# 1385
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
166	100		
165	99.2	77.9	116.9
167	14.5	11.3	16.9

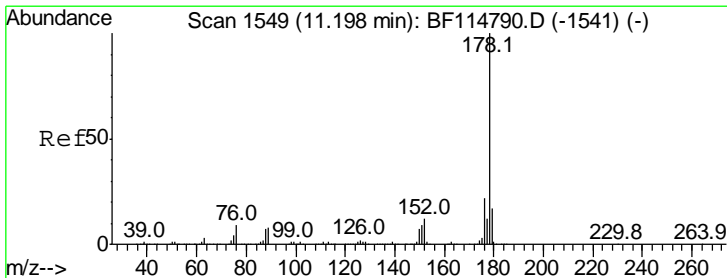
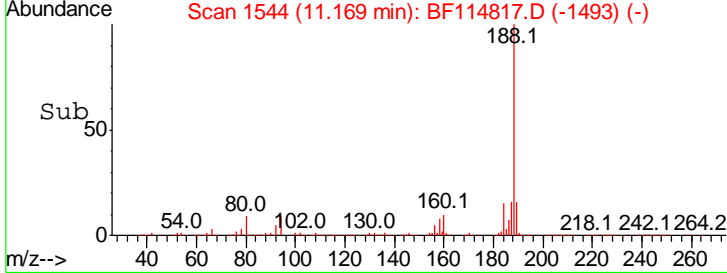
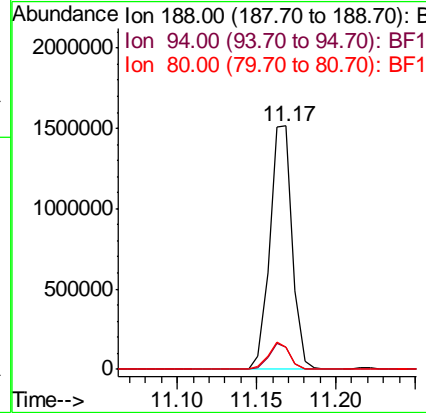
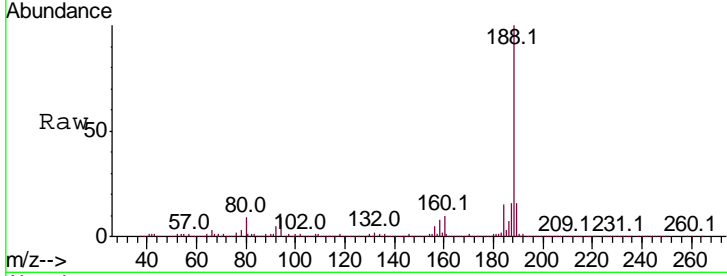




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. -0.00 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

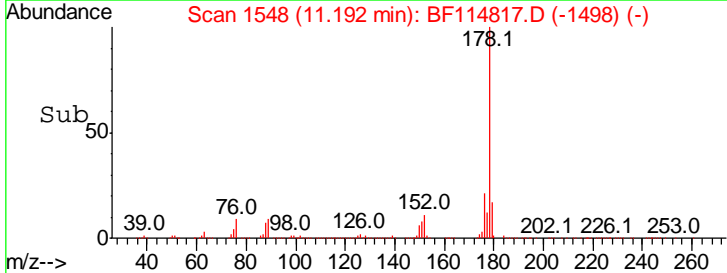
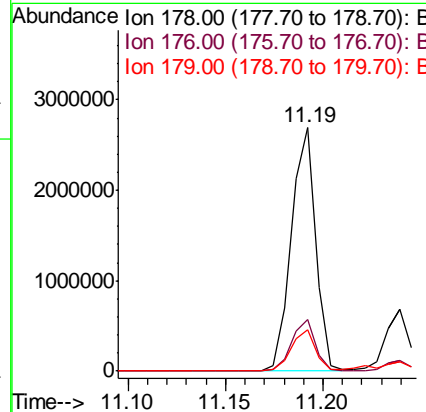
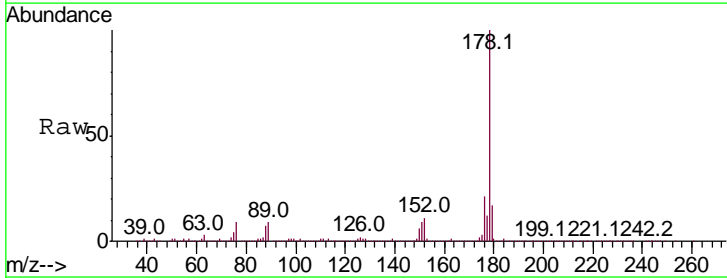
Instrument :
 BNA_F
 ClientSampled :

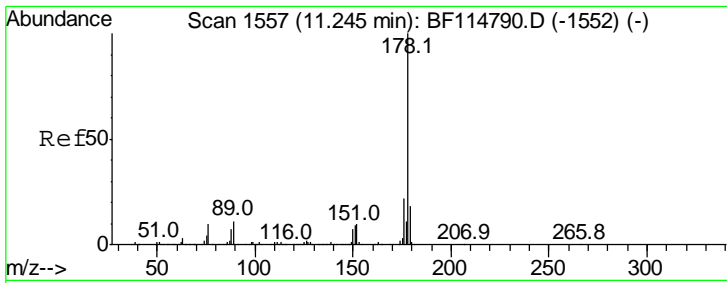
Tgt Ion	Resp	Lower	Upper
188	100		
94	9.0	7.6	11.4
80	9.3	8.3	12.5



#71
 Phenanthrene
 Concen: 32.169 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
178	100		
176	21.3	17.7	26.5
179	17.0	13.7	20.5

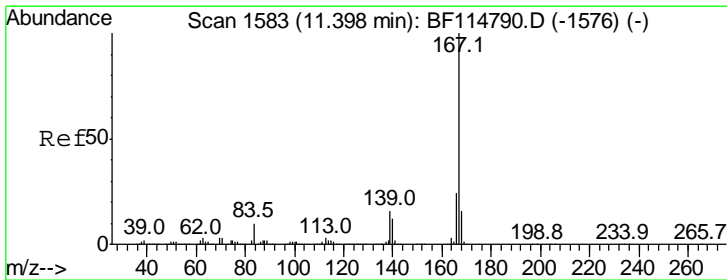
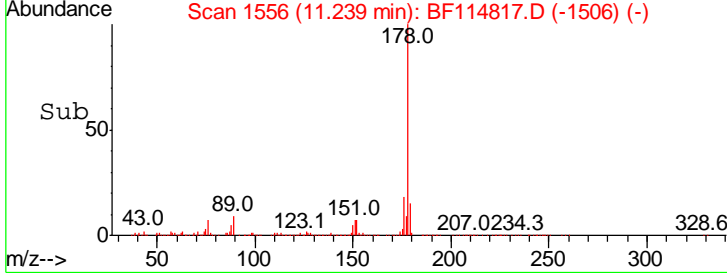
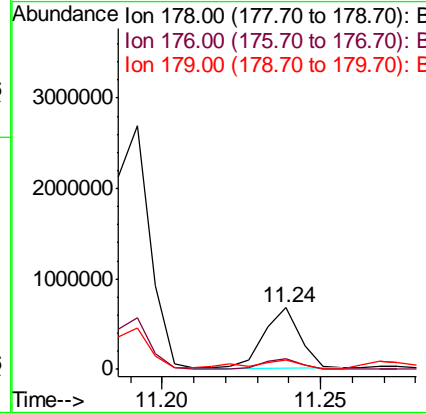
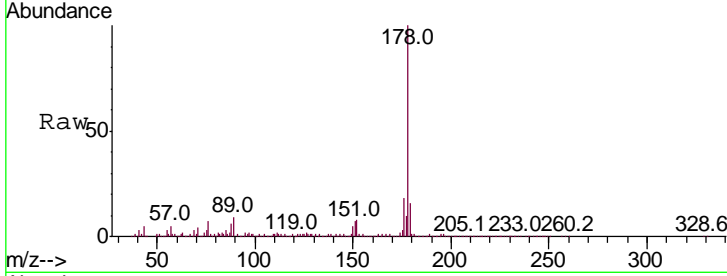




#72
 Anthracene
 Concen: 7.112 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

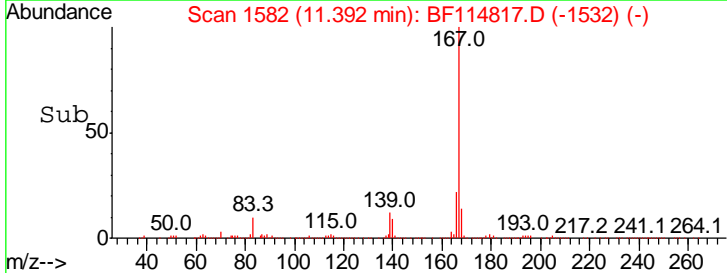
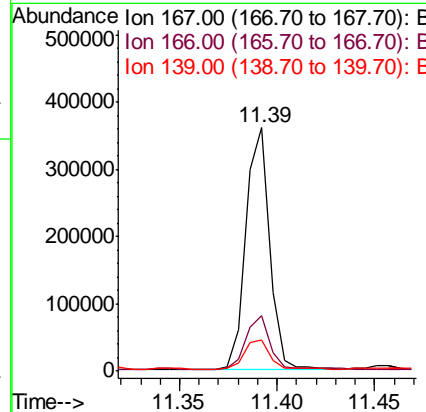
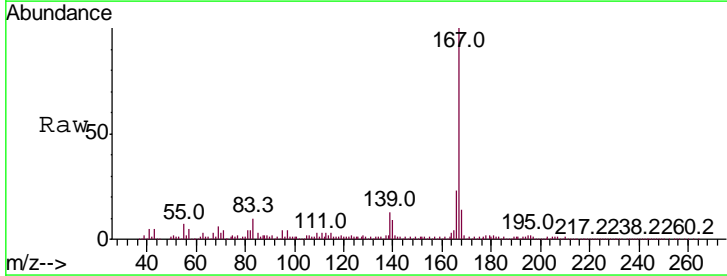
Instrument :
 BNA_F
 ClientSampled :

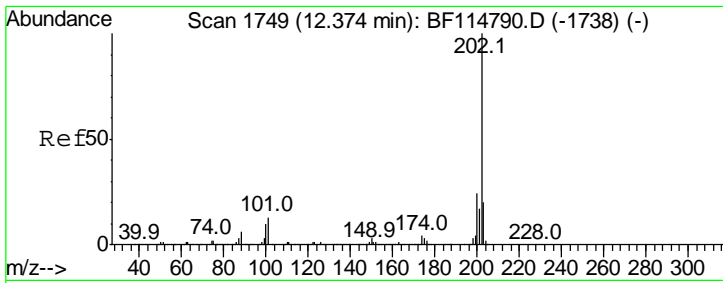
Tgt Ion	Resp	Lower	Upper
178	100		
176	18.3	17.4	26.0
179	15.6	14.2	21.4



#73
 Carbazole
 Concen: 4.713 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
167	100		
166	23.0	19.1	28.7
139	13.0	12.4	18.6



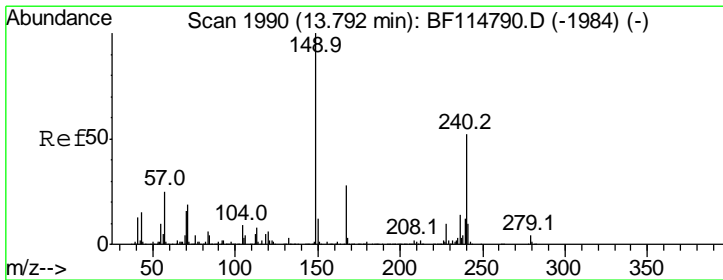
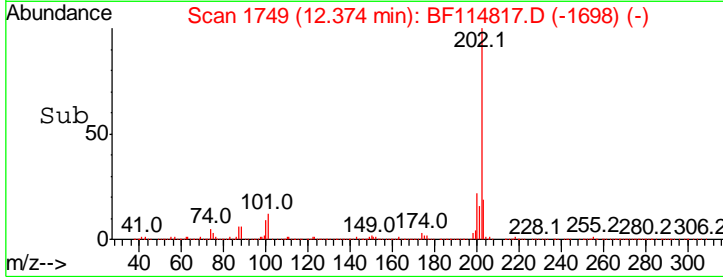
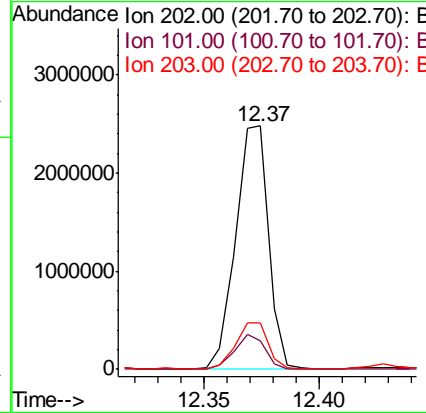
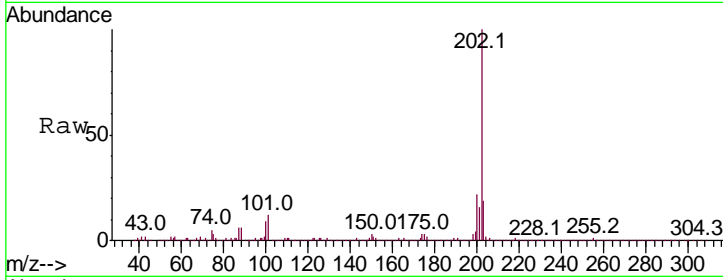


#75
 Fluoranthene
 Concen: 32.731 ng
 RT: 12.37 min Scan# 1749
 Delta R.T. -0.00 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 202 Resp: 2454700

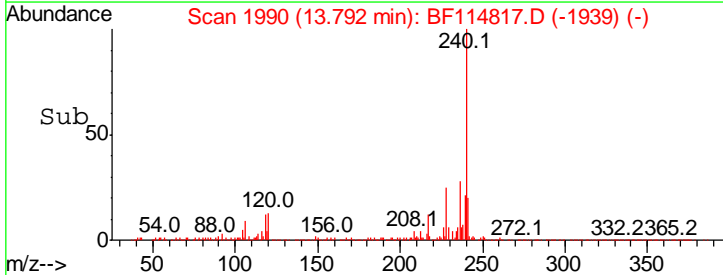
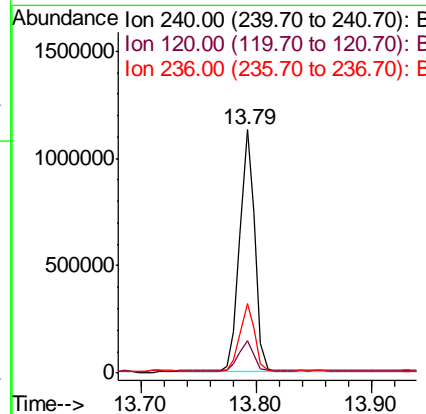
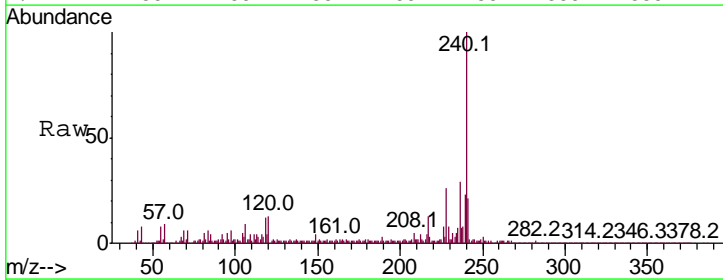
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	32.8
203	19.0	0.2	40.2

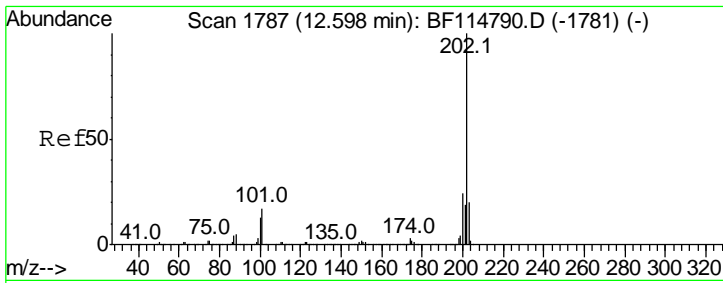


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.79 min Scan# 1990
 Delta R.T. -0.00 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion: 240 Resp: 1024411

Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.0	13.4
236	28.7	21.4	32.0



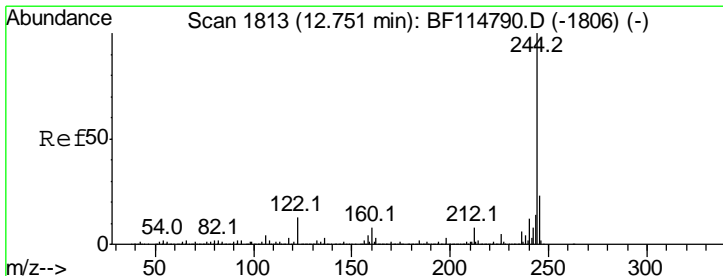
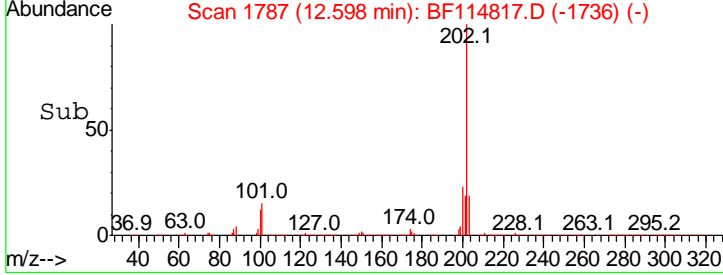
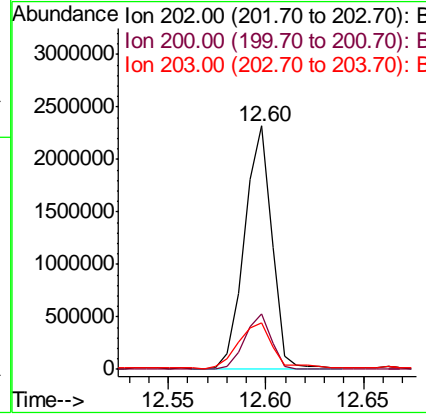
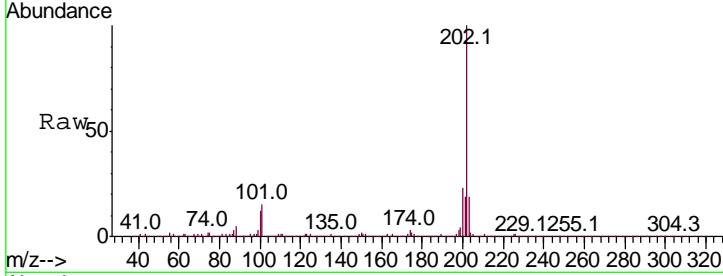


#78
 Pyrene
 Concen: 25.045 ng
 RT: 12.60 min Scan# 1787
 Delta R.T. -0.00 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 202 Resp: 2225759

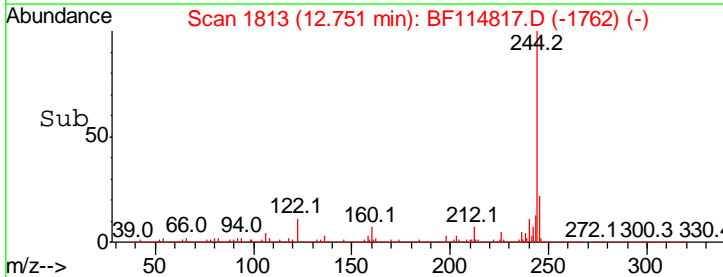
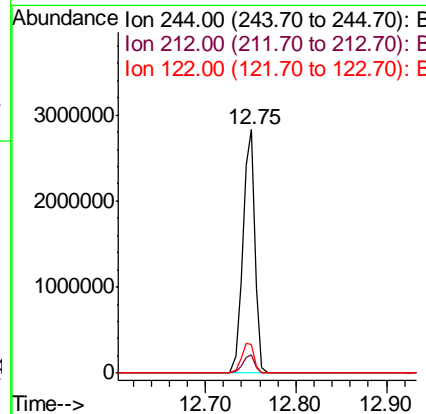
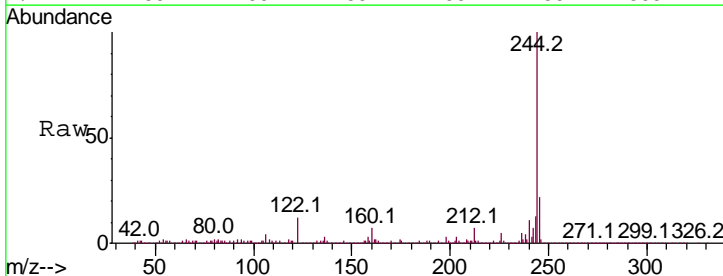
Ion	Ratio	Lower	Upper
202	100		
200	22.9	19.2	28.8
203	19.4	15.9	23.9

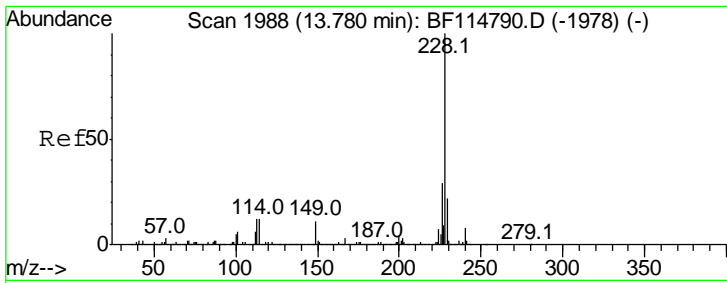


#79
 Terphenyl-d14
 Concen: 50.849 ng
 RT: 12.75 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion: 244 Resp: 2678485

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.5	9.7
122	11.6	10.5	15.7



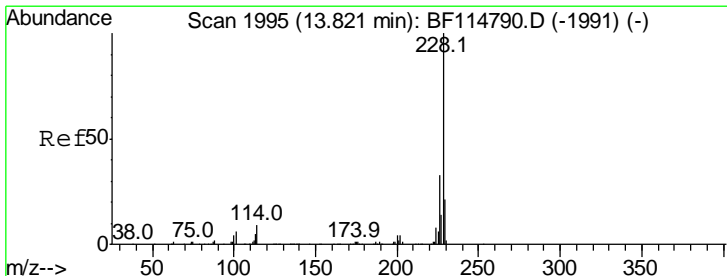
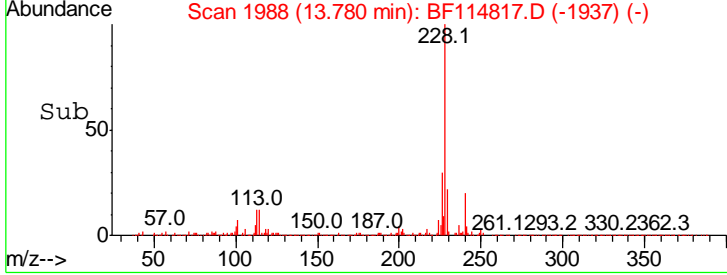
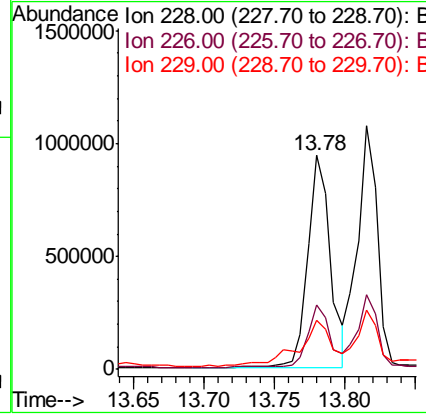
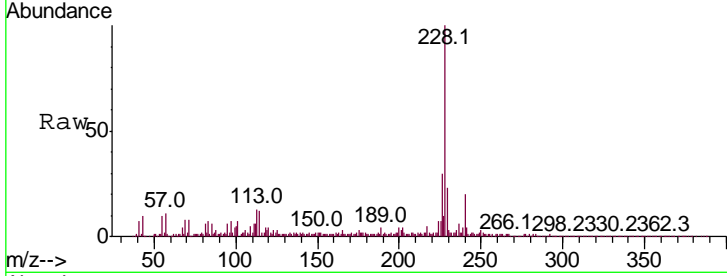


#81
 Benzo(a)anthracene
 Concen: 13.395 ng
 RT: 13.78 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Instrument :
 BNA_F
 ClientSampled :

Tgt Ion: 228 Resp: 1057424

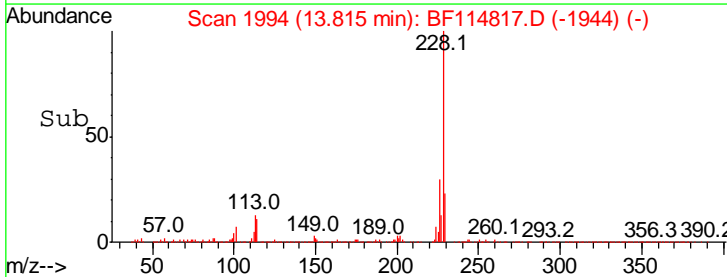
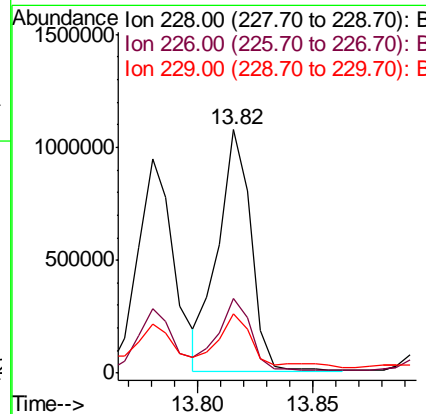
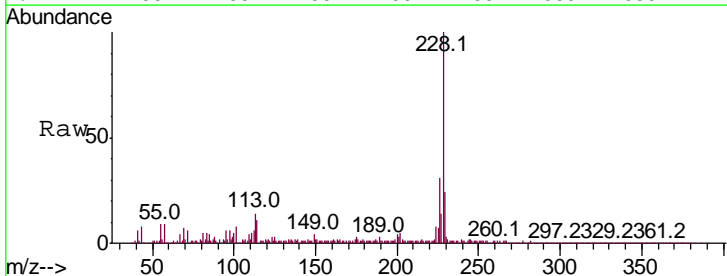
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.2
229	22.8	17.4	26.0

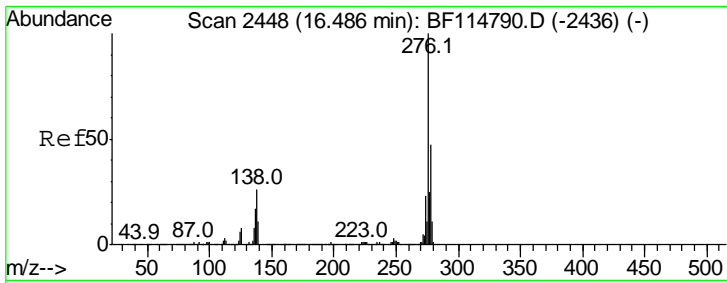


#83
 Chrysene
 Concen: 13.765 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion: 228 Resp: 1057035

Ion	Ratio	Lower	Upper
228	100		
226	30.5	26.0	39.0
229	24.3	17.1	25.7

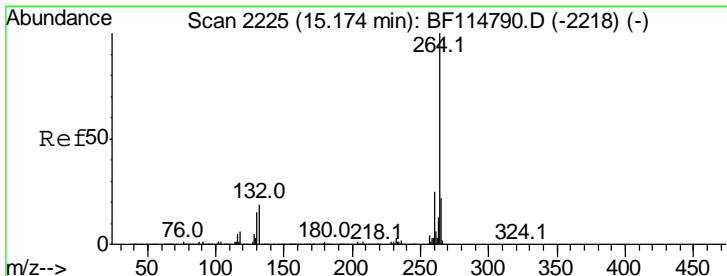
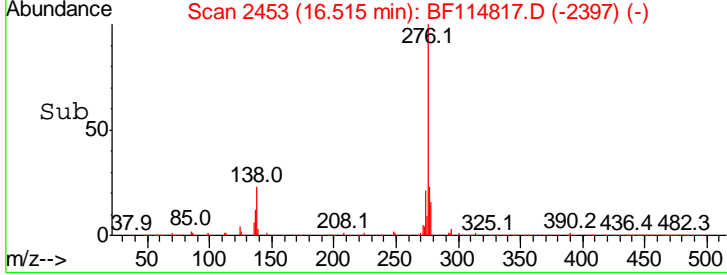
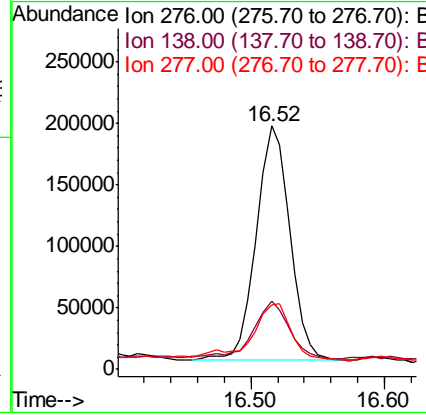
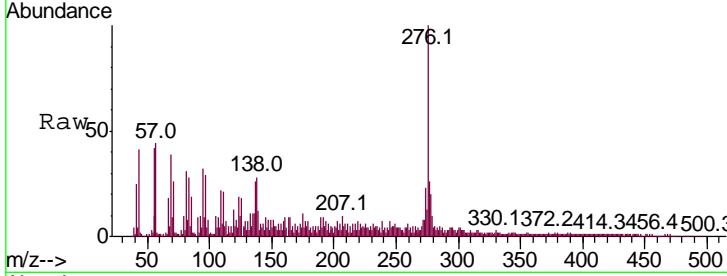




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.773 ng
 RT: 16.52 min Scan# 2453
 Delta R.T. 0.03 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

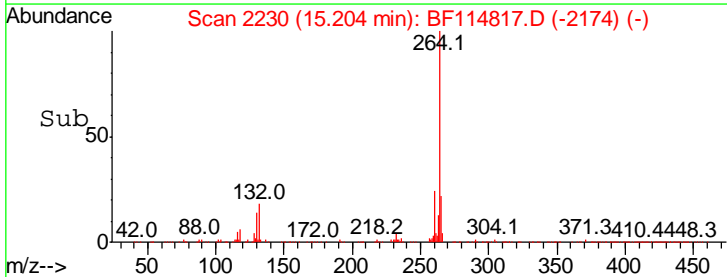
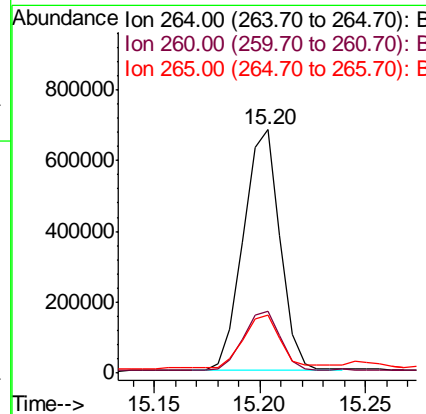
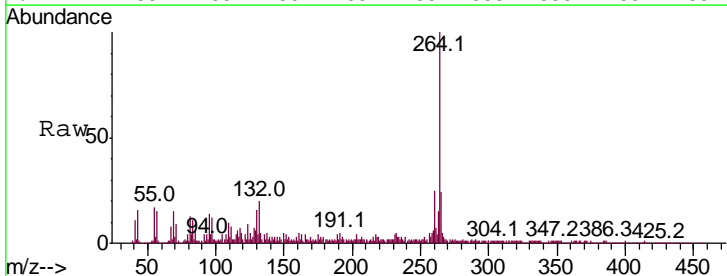
Instrument : BNA_F
 ClientSampled :

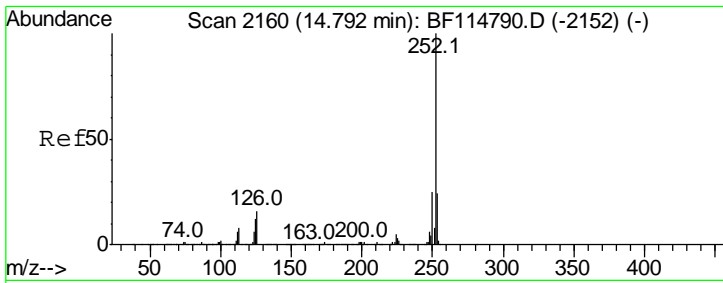
Tgt Ion	Resp	Lower	Upper
276	100		
138	26.3	22.2	33.4
277	26.9	20.6	30.8



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. 0.03 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
264	100		
260	25.4	20.1	30.1
265	23.9	17.7	26.5

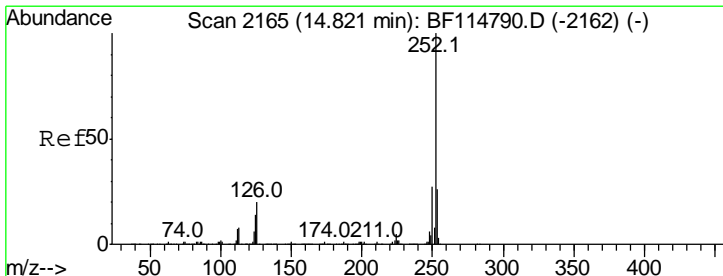
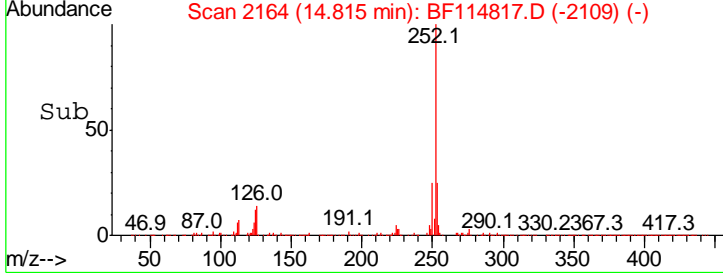
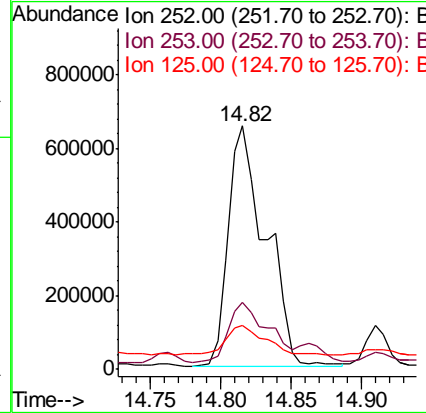
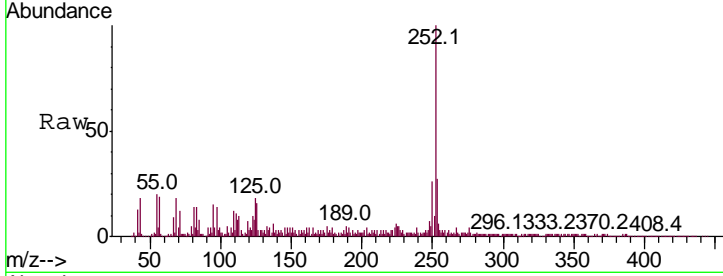




#88
 Benzo(b)fluoranthene
 Concen: 23.074 ng
 RT: 14.82 min Scan# 2164
 Delta R.T. 0.02 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

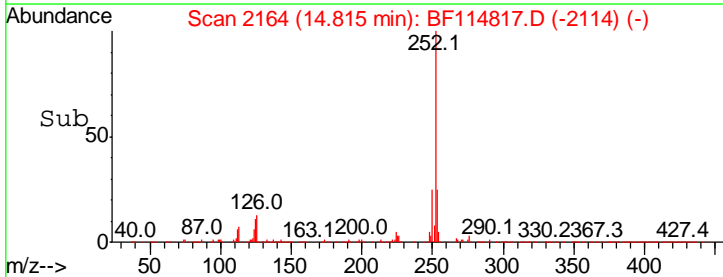
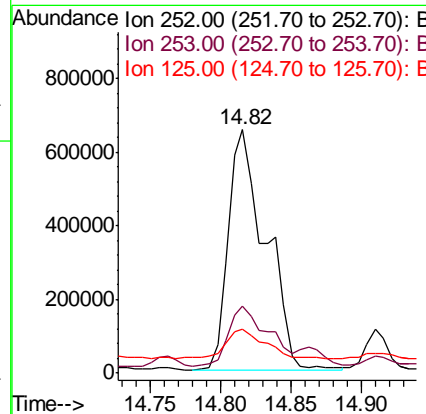
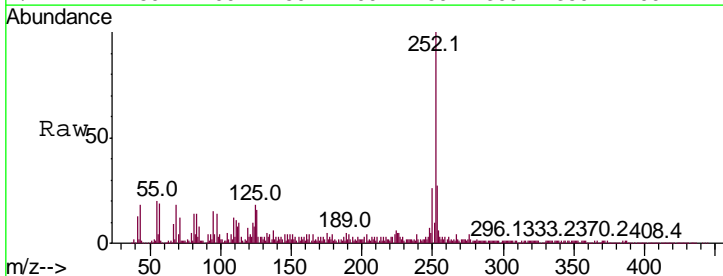
Instrument :
 BNA_F
 ClientSampled :

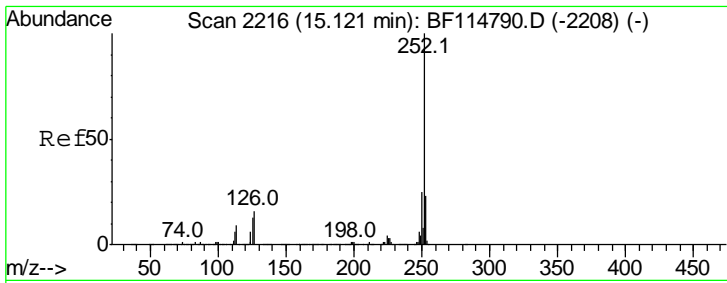
Tgt Ion	Resp	Lower	Upper
252	100		
253	27.3	19.0	28.6
125	17.8	9.4	14.0



#89
 Benzo(k)fluoranthene
 Concen: 27.171 ng
 RT: 14.82 min Scan# 2164
 Delta R.T. -0.01 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
252	100		
253	27.3	19.3	28.9
125	17.8	10.1	15.1

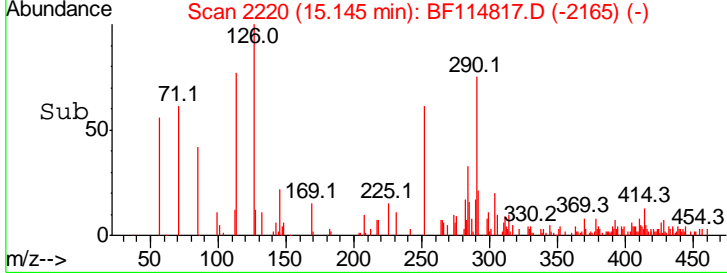
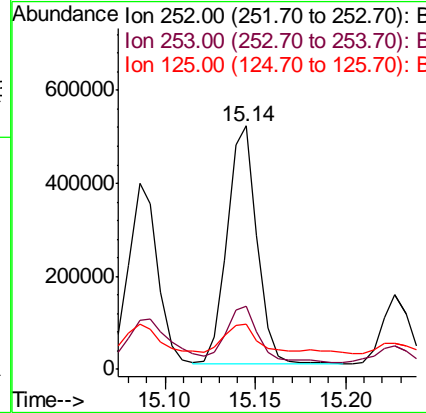
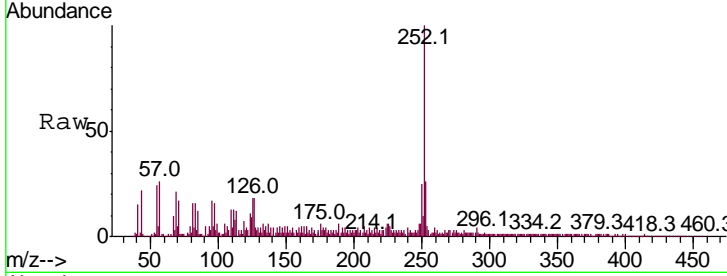




#90
 Benzo(a)pyrene
 Concen: 12.992 ng
 RT: 15.14 min Scan# 2220
 Delta R.T. 0.02 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

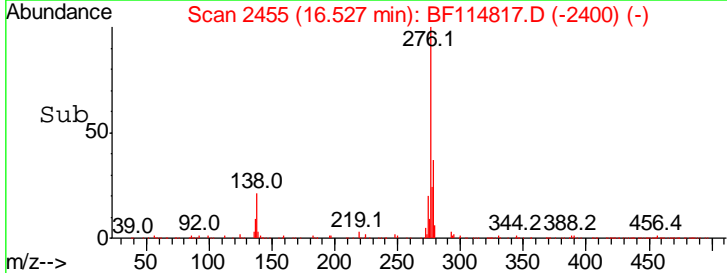
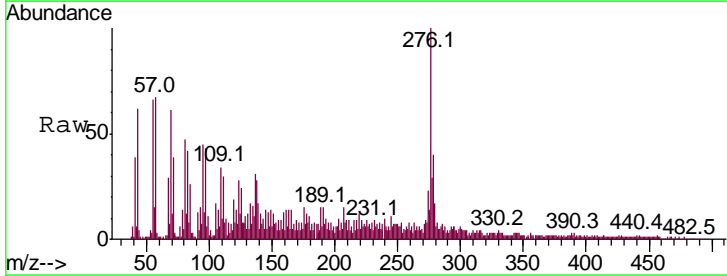
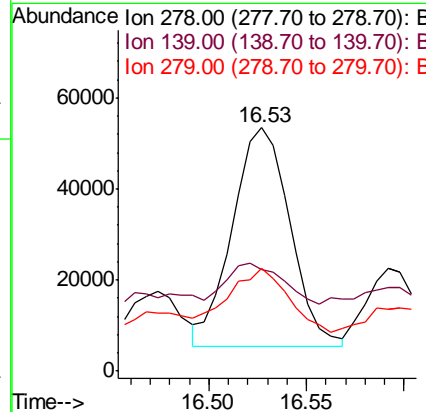
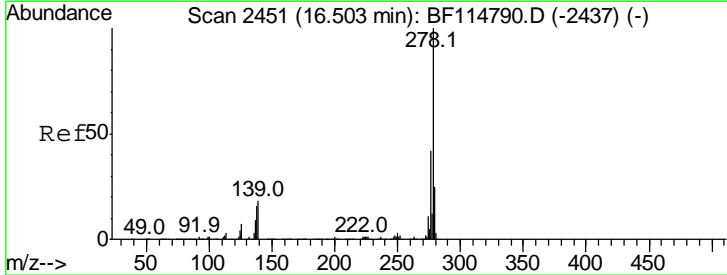
Instrument :
 BNA_F
 ClientSampled :

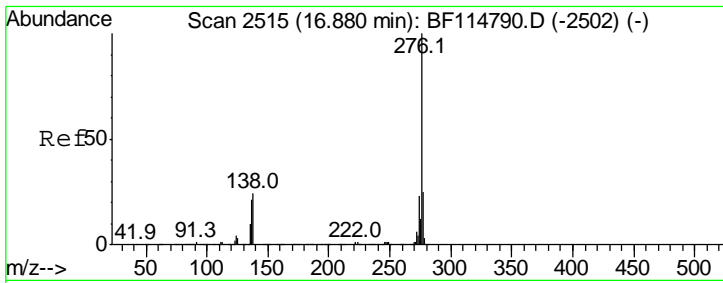
Tgt Ion	Resp	Lower	Upper
252	100		
253	26.2	18.5	27.7
125	18.4	10.1	15.1#



#91
 Dibenzo(a,h)anthracene
 Concen: 2.298 ng
 RT: 16.53 min Scan# 2455
 Delta R.T. 0.02 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Tgt Ion	Resp	Lower	Upper
278	100		
139	41.8	14.6	22.0#
279	42.1	20.1	30.1#





#92
 Benzo(a,h,i)perylene
 Concen: 7.303 ng
 RT: 16.92 min Scan# 2521
 Delta R.T. 0.04 min
 Lab File: BF114817.D
 Acq: 5 Jun 2019 13:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
276	100		
277	27.9	19.8	29.6
138	27.6	19.4	29.2

