

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060519\
 Data File : BF114828.D
 Acq On : 5 Jun 2019 19:54
 Operator : HP/JU
 Sample : K2638-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 06 05:01:36 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	6.67	152	345561	20.00	ng	0.00
21) Naphthalene-d8	7.95	136	1358189	20.00	ng	0.00
39) Acenaphthene-d10	9.70	164	701151	20.00	ng	0.00
64) Phenanthrene-d10	11.17	188	1388445	20.00	ng	0.00
76) Chrysene-d12	13.79	240	963907	20.00	ng	0.00
87) Perylene-d12	15.19	264	1012525	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1963028	99.26	ng	0.01
7) Phenol-d6	6.31	99	2436791	101.26	ng	0.00
23) Nitrobenzene-d5	7.23	82	1513916	68.62	ng	0.00
42) 2,4,6-Tribromophenol	10.48	330	770698	102.00	ng	0.00
45) 2-Fluorobiphenyl	9.03	172	2698264	72.09	ng	0.00
79) Terphenyl-d14	12.76	244	3080452	62.15	ng	0.00

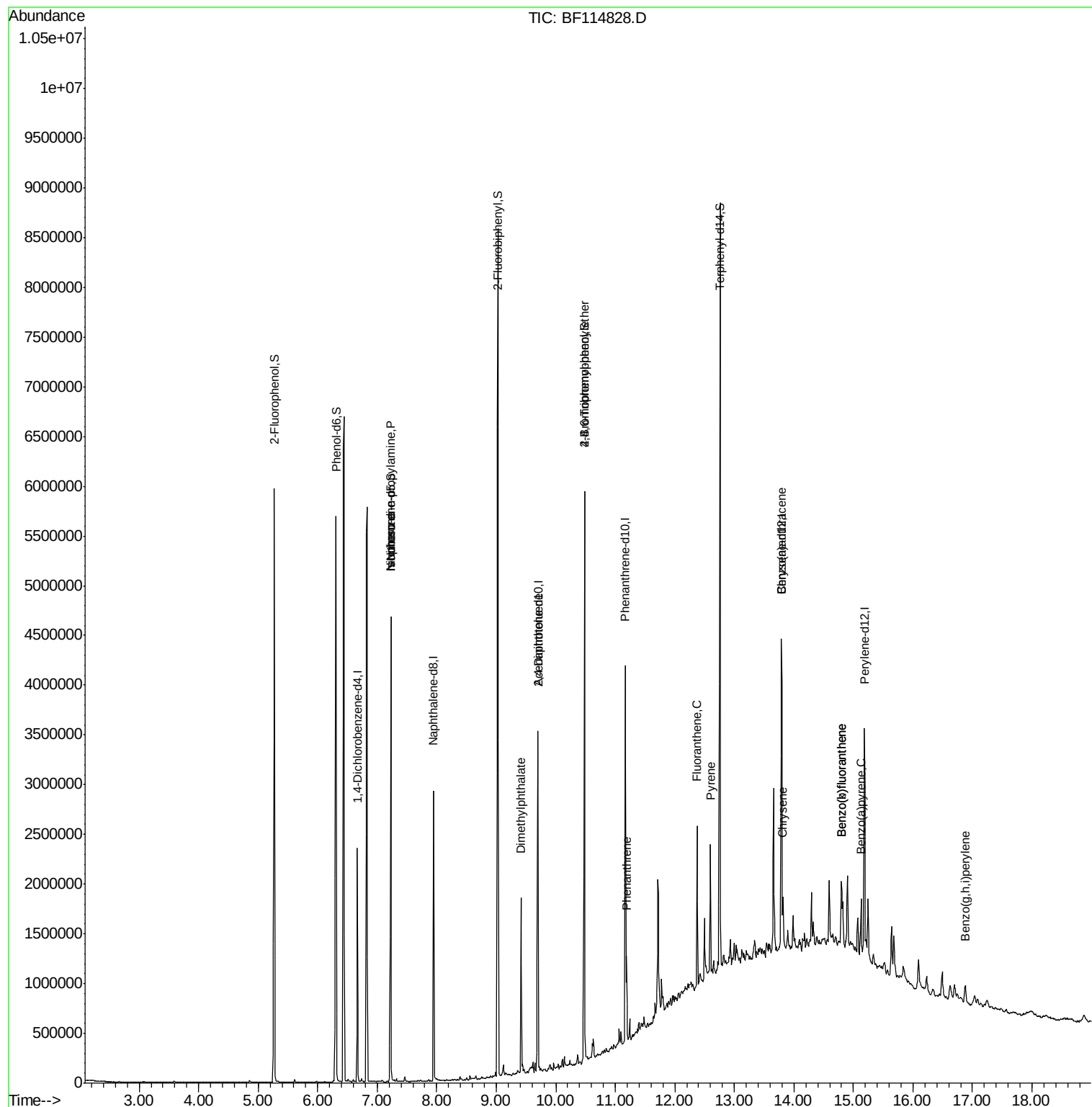
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.23	70	203536	12.778	ng	# 78
25) Isophorone	7.23	82	1500362	34.398	ng	# 61
50) Dimethylphthalate	9.42	163	660329	12.895	ng	99
57) 2,4-Dinitrotoluene	9.70	165	93118	6.151	ng	# 32
58) Fluorene	10.24	166	18775	Below Cal		100
67) 4-Bromophenyl-phenylether	10.48	248	50011	3.171	ng	# 1
71) Phenanthrene	11.19	178	281231	4.243	ng	95
75) Fluoranthene	12.37	202	609115	8.829	ng	96
78) Pyrene	12.60	202	548005	6.554	ng	98
81) Benzo(a)anthracene	13.79	228	290450	3.910	ng	98
83) Chrysene	13.82	228	261445	3.618	ng	95
88) Benzo(b)fluoranthene	14.80	252	465977	7.229	ng	# 96
89) Benzo(k)fluoranthene	14.80	252	465977	8.513	ng	# 97
90) Benzo(a)pyrene	15.13	252	258321	4.630	ng	# 96
92) Benzo(a,h,i)perylene	16.88	276	137785	2.593	ng	97

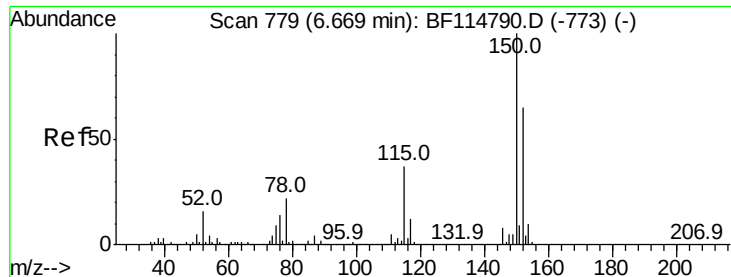
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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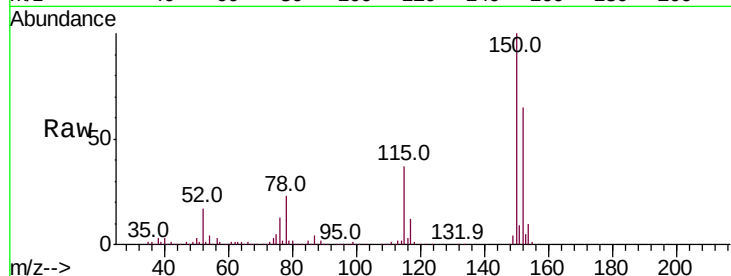


#1

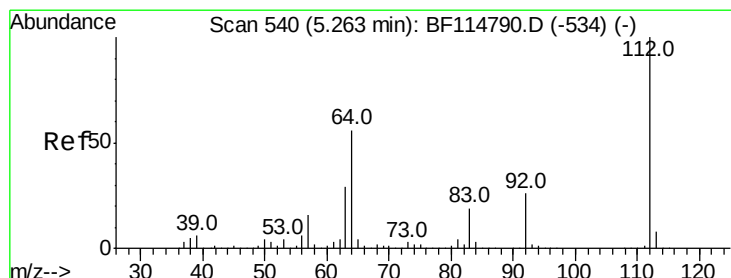
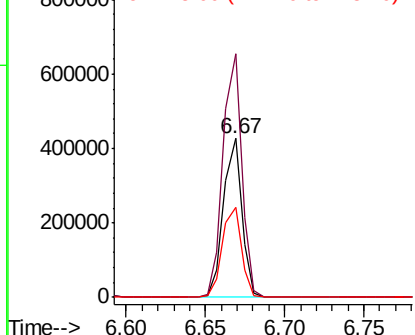
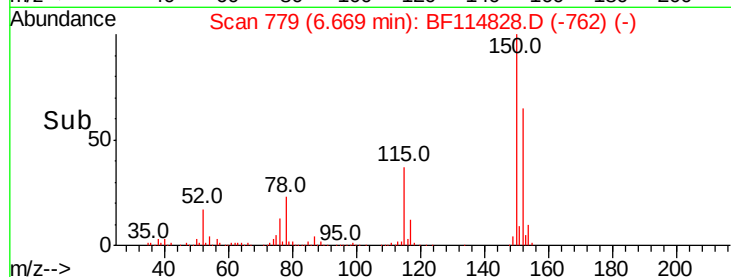
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.67 min Scan# 779
Delta R.T. 0.00 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 345561
Ion Ratio Lower Upper
152 100
150 153.1 124.0 186.0
115 56.7 46.3 69.5



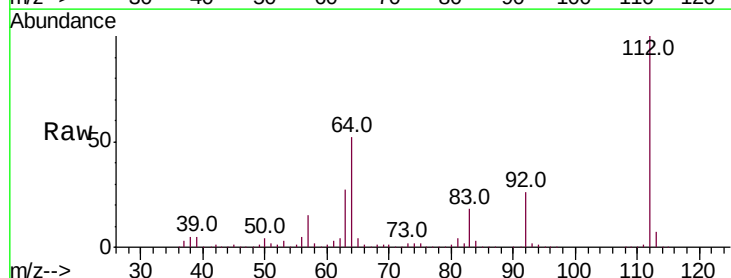
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



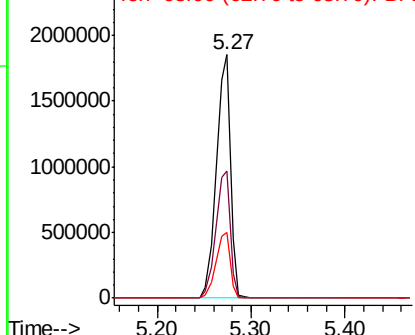
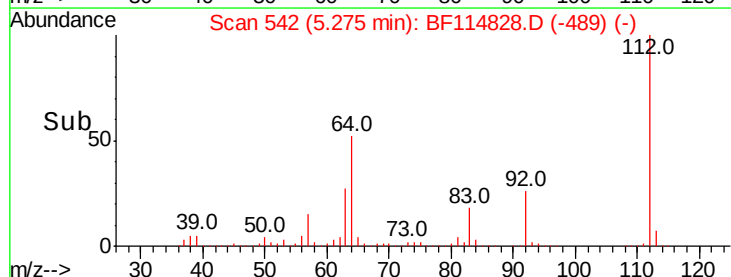
#5

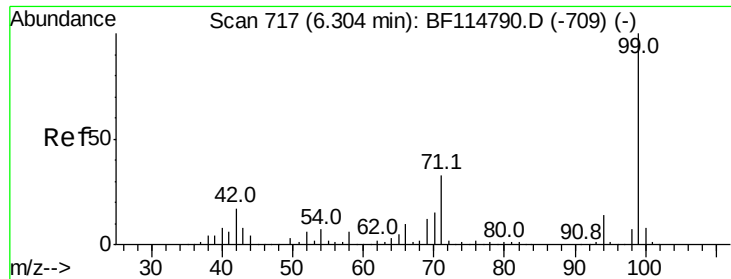
2-Fluorophenol
Concen: 99.262 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Tgt Ion:112 Resp: 1963028
Ion Ratio Lower Upper
112 100
64 52.4 44.6 66.8
63 27.0 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 101.264 ng

RT: 6.31 min Scan# 718

Delta R.T. 0.01 min

Lab File: BF114828.D

Acq: 5 Jun 2019 19:54

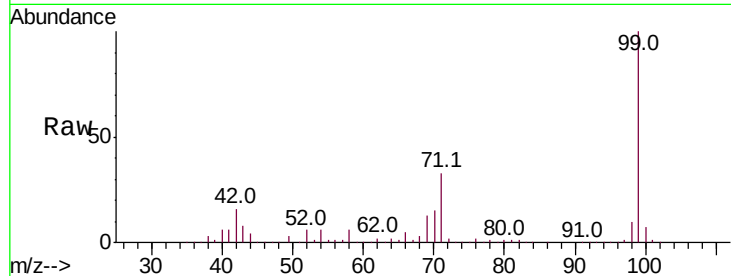
Instrument :

BNA_F

ClientSampled :

Tot Ion: 99 Resp: 2436791

Ion	Ratio	Lower	Upper
99	100		
42	16.0	13.3	19.9
71	32.8	26.3	39.5

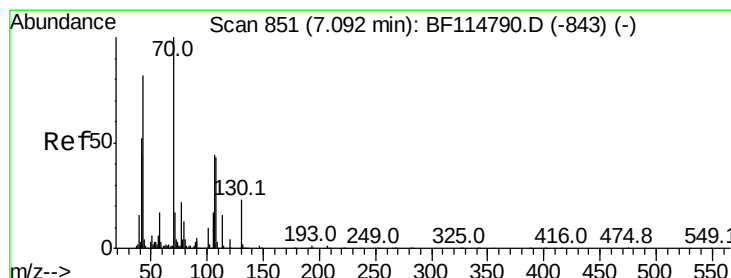
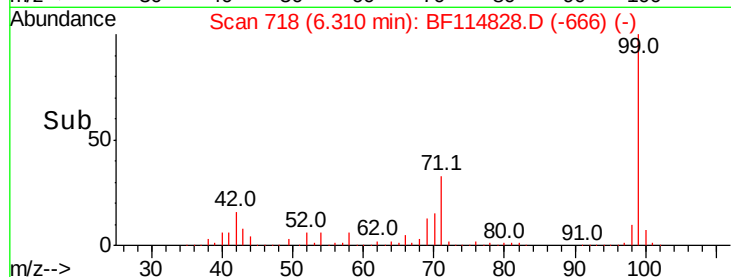


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

Time--> 6.20 6.30 6.40



#19

n-Nitroso-di-n-propylamine

Concen: 12.778 ng

RT: 7.23 min Scan# 874

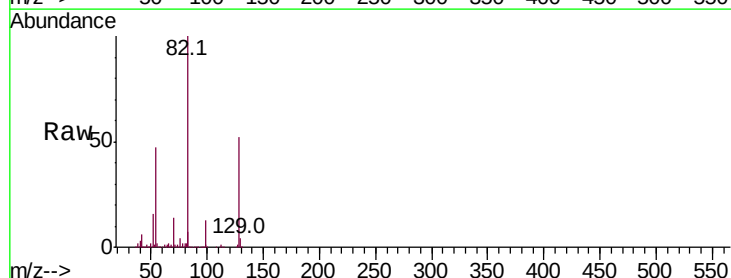
Delta R.T. 0.14 min

Lab File: BF114828.D

Acq: 5 Jun 2019 19:54

Tgt Ion: 70 Resp: 203536

Ion	Ratio	Lower	Upper
70	100		
42	44.1	41.8	62.8
101	0.0	8.2	12.4#
130	2.5	18.5	27.7#



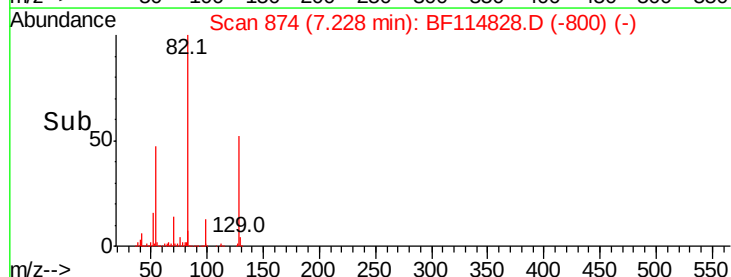
Abundance Ion 70.00 (69.70 to 70.70): BF1

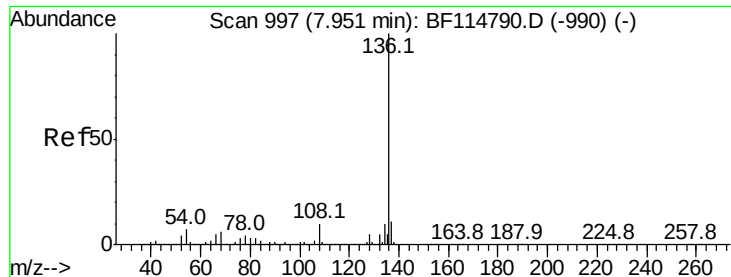
Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

Time--> 7.10 7.15 7.20 7.25 7.30

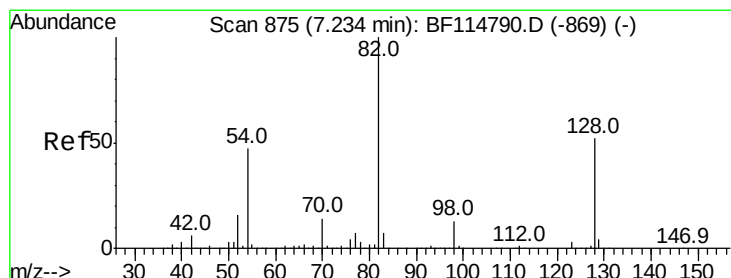
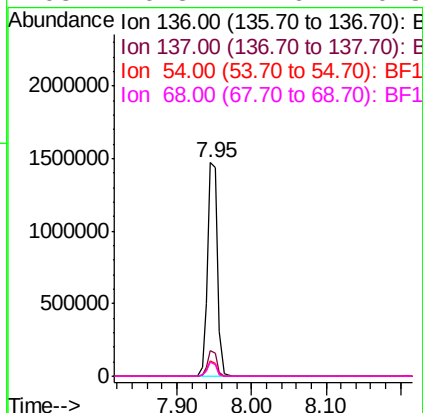
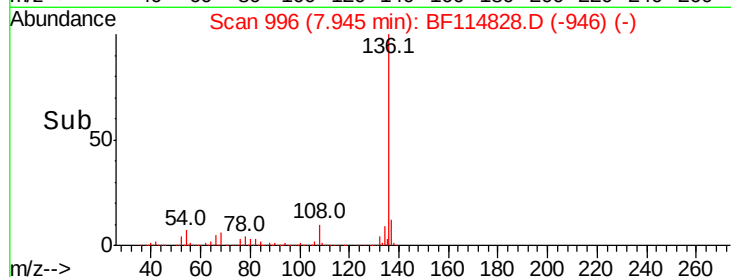
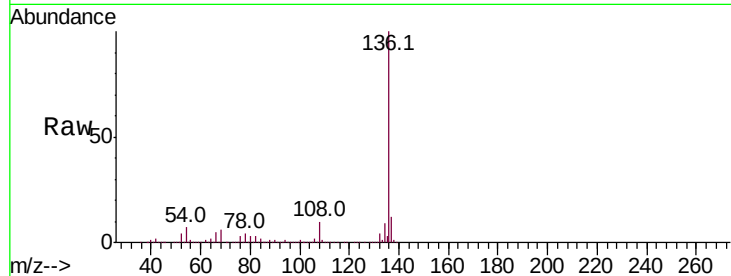




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.95 min Scan# 996
Delta R.T. -0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

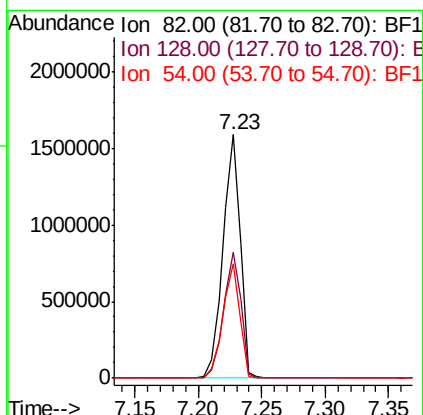
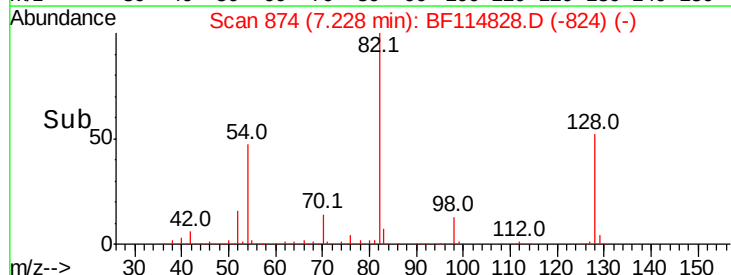
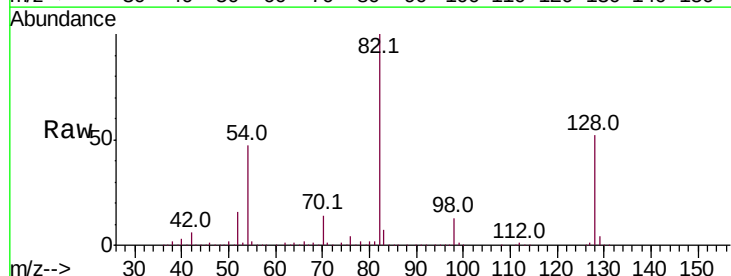
Instrument :
BNA_F
ClientSampleId :

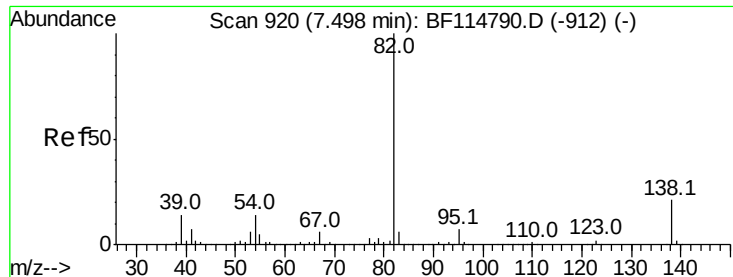
Tot Ion:	136	Resp:	1358189
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.1	13.7
54	7.3	5.4	8.0
68	6.3	4.6	6.8



#23
Nitrobenzene-d5
Concen: 68.617 ng
RT: 7.23 min Scan# 874
Delta R.T. -0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Tgt Ion:	82	Resp:	1513916
Ion	Ratio	Lower	Upper
82	100		
128	51.9	41.8	62.6
54	47.0	37.9	56.9





#25

Isophorone

Concen: 34.398 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.27 min

Lab File: BF114828.D

Acq: 5 Jun 2019 19:54

Instrument :

BNA_F

ClientSampleId :

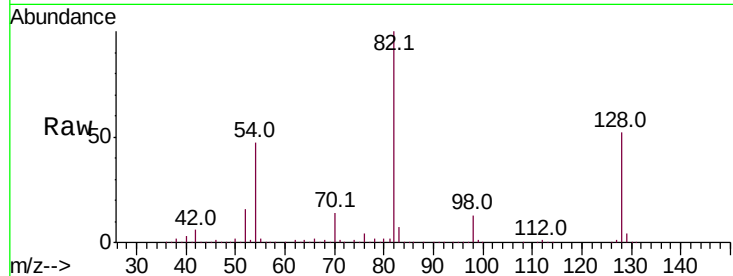
Tot Ion: 82 Resp: 1500362

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

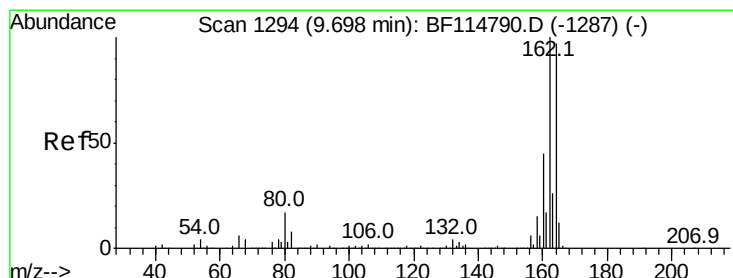
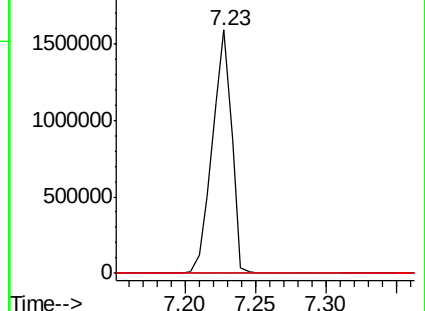
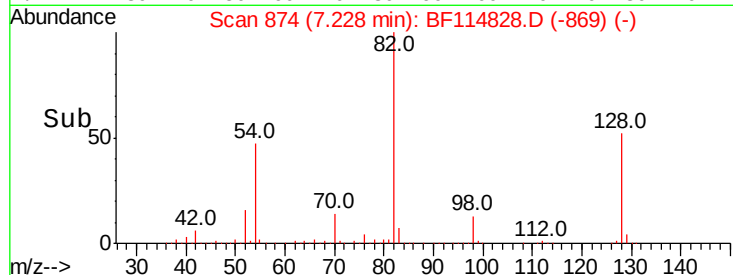
138 0.0 16.9 25.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.70 min Scan# 1294

Delta R.T. 0.00 min

Lab File: BF114828.D

Acq: 5 Jun 2019 19:54

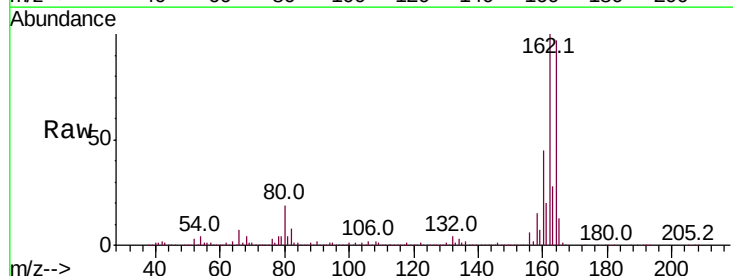
Tgt Ion:164 Resp: 701151

Ion Ratio Lower Upper

164 100

162 103.4 82.3 123.5

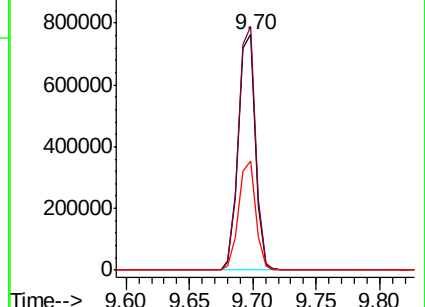
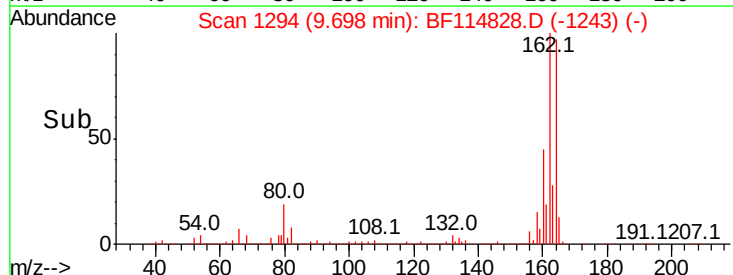
160 46.4 36.7 55.1

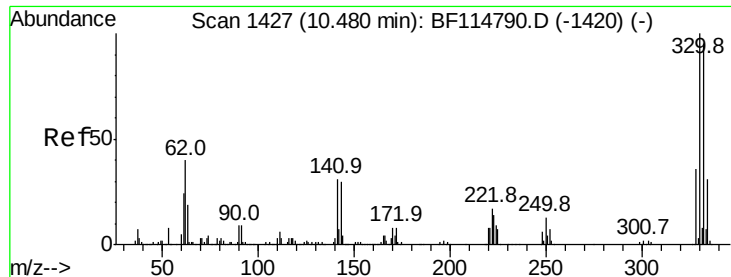


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

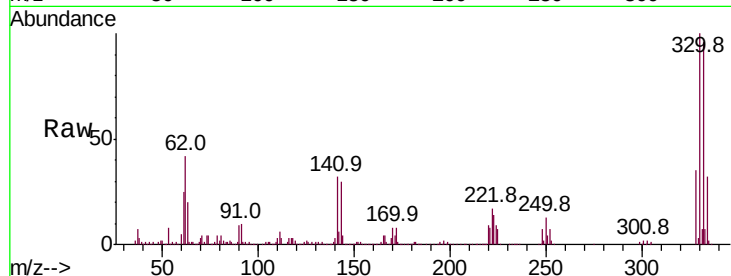




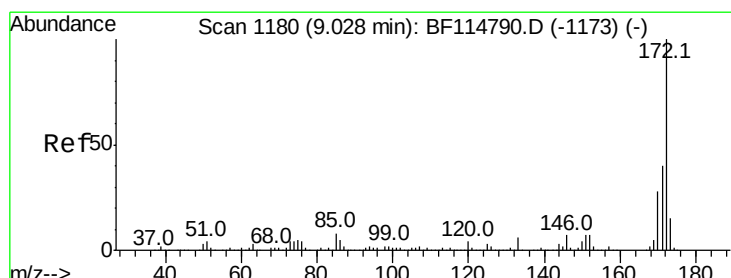
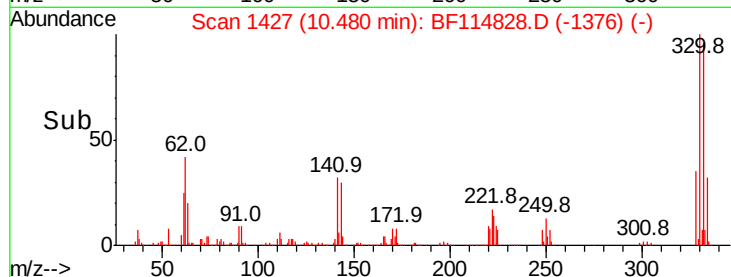
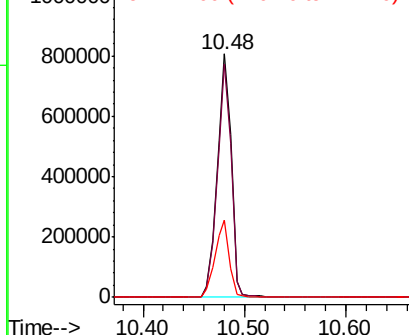
#42
 2,4,6-Tribromophenol
 Concen: 101.998 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. 0.00 min
 Lab File: BF114828.D
 Acq: 5 Jun 2019 19:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.3	115.9
141	31.9	26.2	39.4

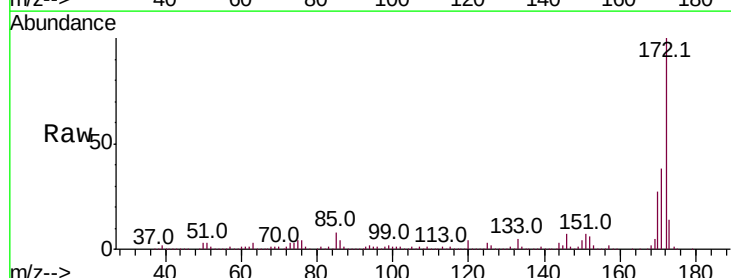


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

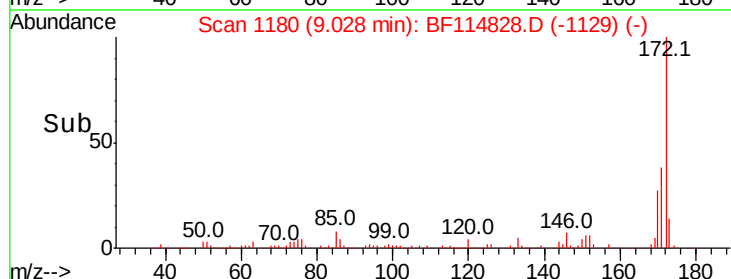
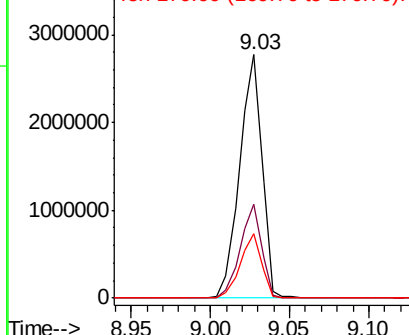


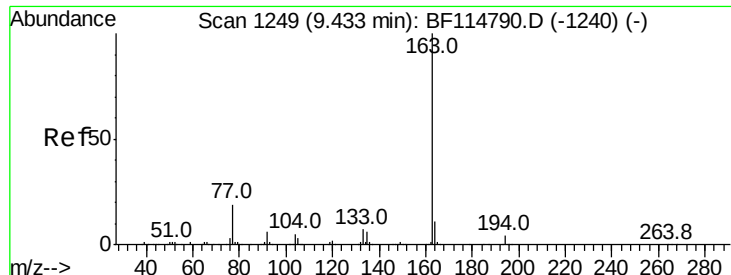
#45
 2-Fluorobiphenyl
 Concen: 72.090 ng
 RT: 9.03 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: BF114828.D
 Acq: 5 Jun 2019 19:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	32.3	48.5
170	26.5	22.4	33.6



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

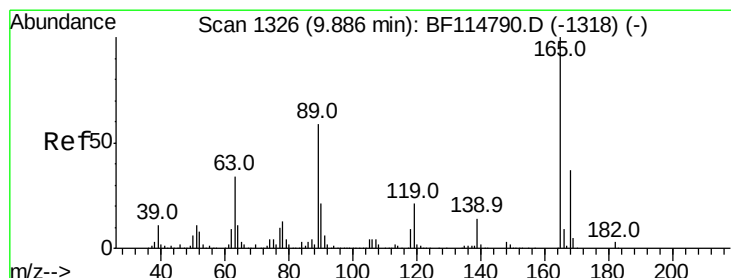
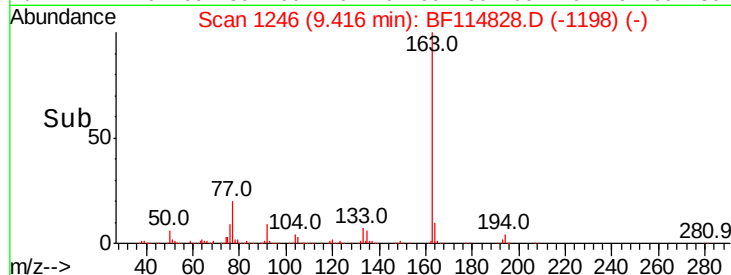
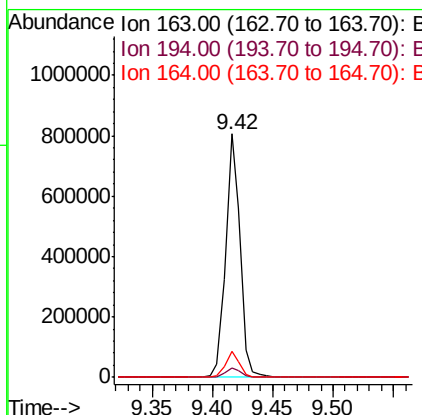
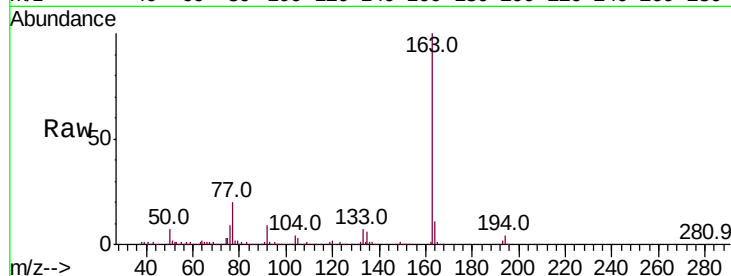




#50
Dimethylphthalate
Concen: 12.895 ng
RT: 9.42 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

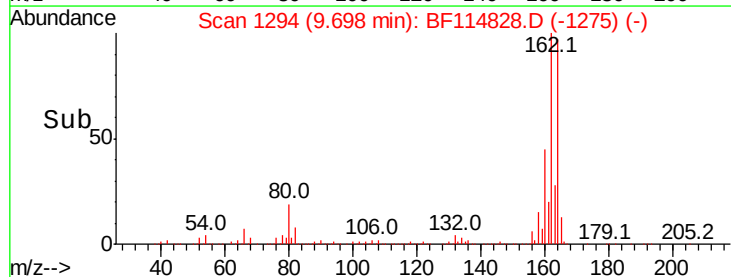
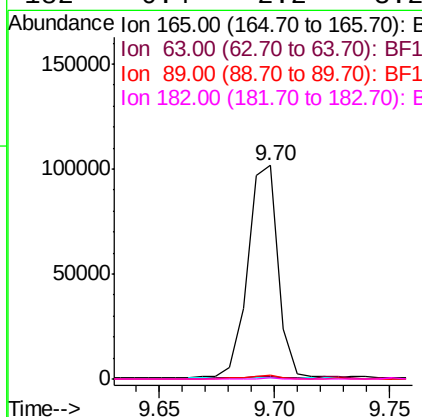
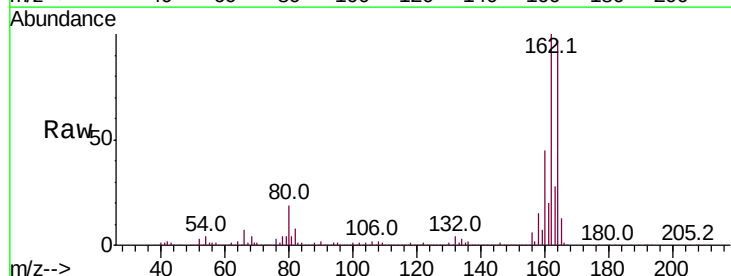
Instrument :
BNA_F
ClientSampleId :

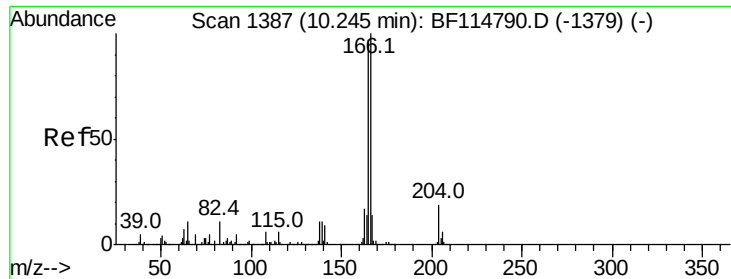
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.4	5.2
164	10.5	8.6	13.0



#57
2,4-Dinitrotoluene
Concen: 6.151 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.19 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.0	40.4#
89	1.5	47.0	70.6#
182	0.4	2.2	3.2#

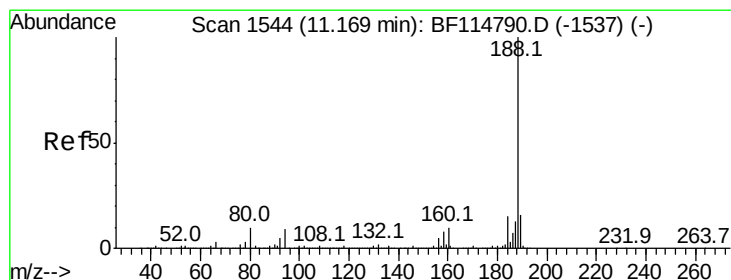
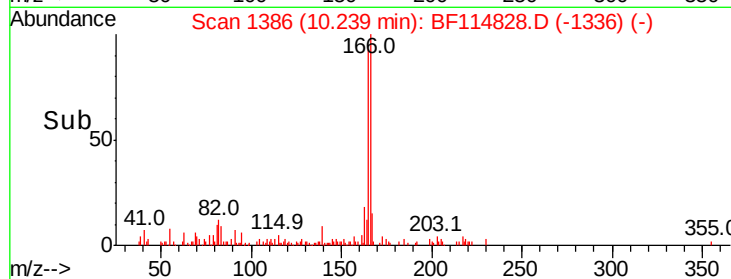
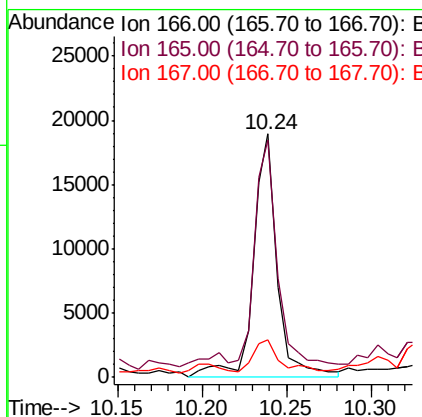
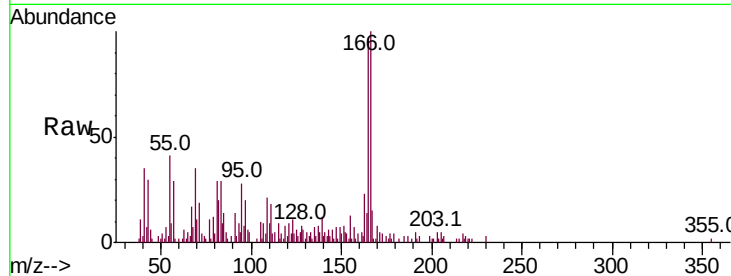




#58
 Fluorene
 Concen: Below Cal
 RT: 10.24 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: BF114828.D
 Acq: 5 Jun 2019 19:54

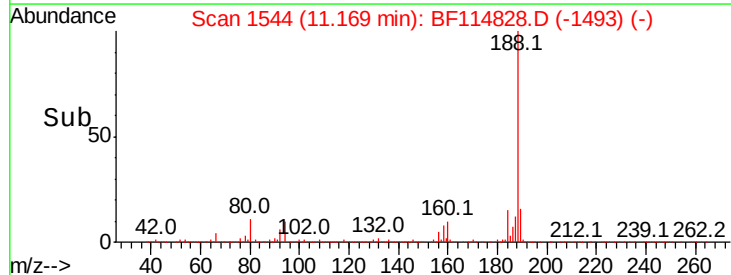
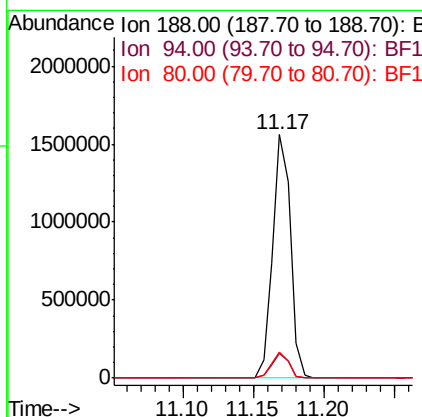
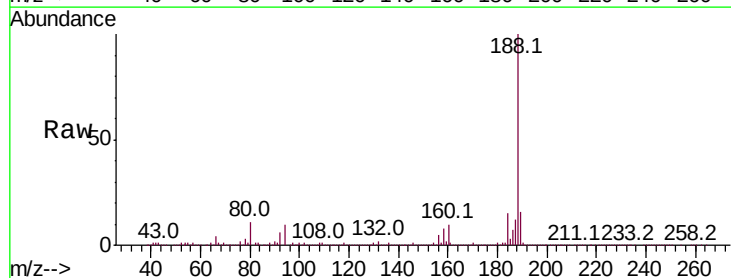
Instrument :
 BNA_F
 ClientSampleId :

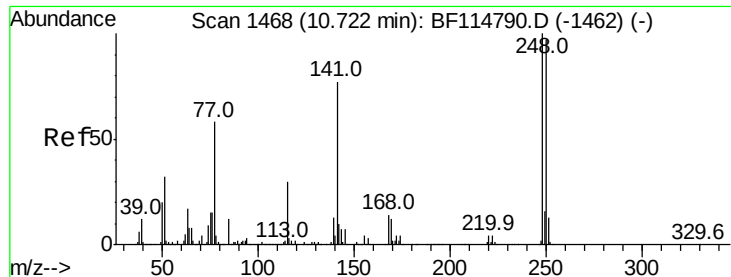
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.9	116.9
167	15.3	11.3	16.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.17 min Scan# 1544
 Delta R.T. 0.00 min
 Lab File: BF114828.D
 Acq: 5 Jun 2019 19:54

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	7.6	11.4
80	10.9	8.3	12.5

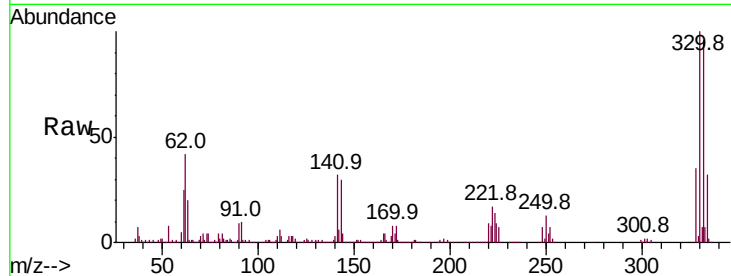




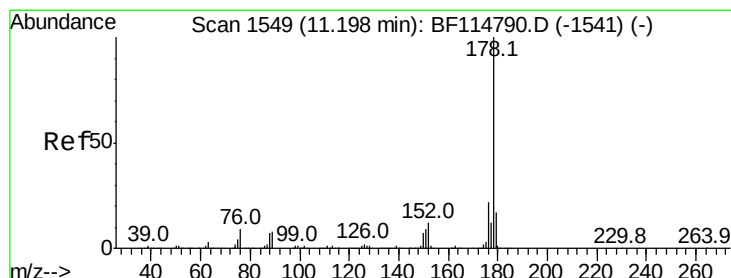
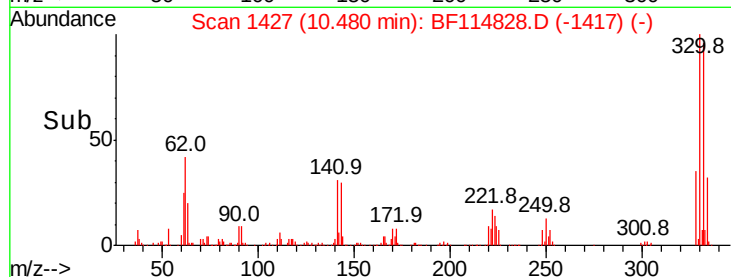
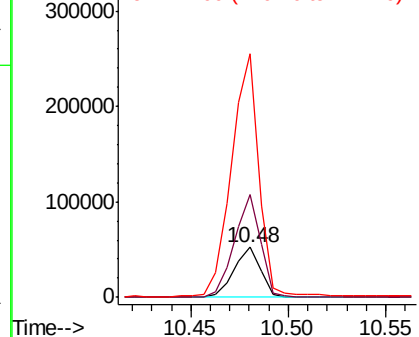
#67
 4-Bromophenyl-phenylether
 Concen: 3.171 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.24 min
 Lab File: BF114828.D
 Acq: 5 Jun 2019 19:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 50011
 Ion Ratio Lower Upper
 248 100
 250 205.3 77.5 116.3#
 141 484.6 61.8 92.8#

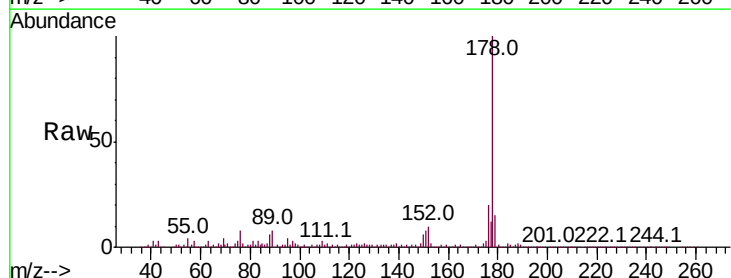


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

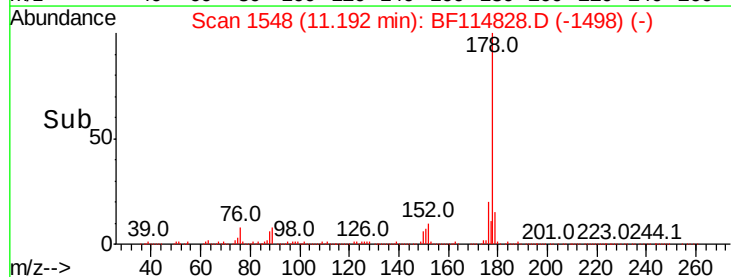
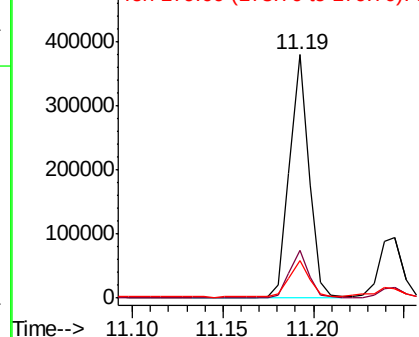


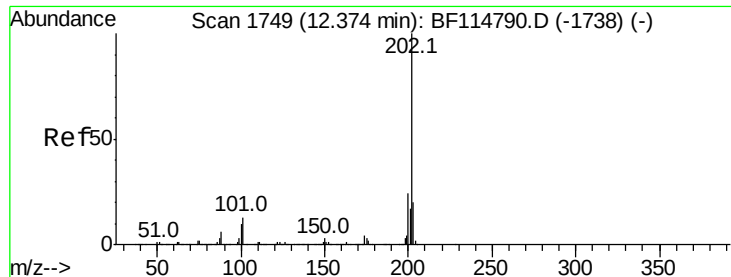
#71
 Phenanthrene
 Concen: 4.243 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.01 min
 Lab File: BF114828.D
 Acq: 5 Jun 2019 19:54

Tgt Ion:178 Resp: 281231
 Ion Ratio Lower Upper
 178 100
 176 19.6 17.7 26.5
 179 15.5 13.7 20.5



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.829 ng

RT: 12.37 min Scan# 1749

Delta R.T. 0.00 min

Lab File: BF114828.D

Acq: 5 Jun 2019 19:54

Instrument :

BNA_F

ClientSampleId :

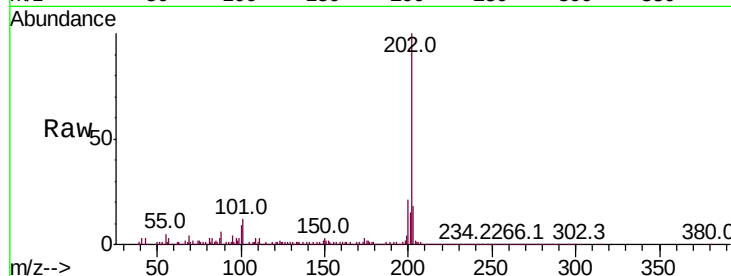
Tot Ion:202 Resp: 609115

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.8

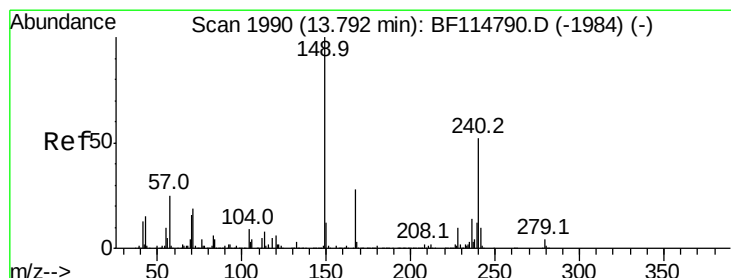
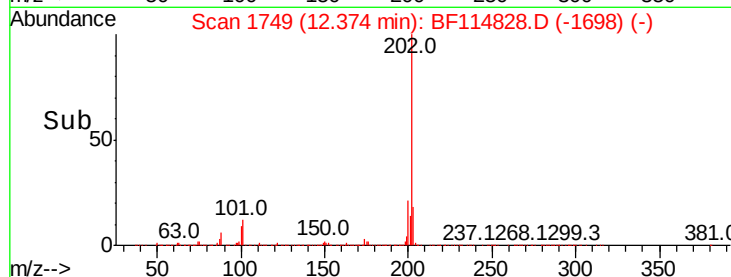
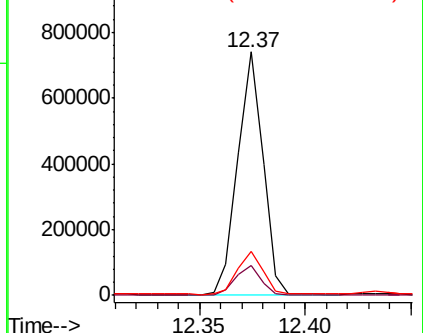
203 17.8 0.2 40.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.79 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BF114828.D

Acq: 5 Jun 2019 19:54

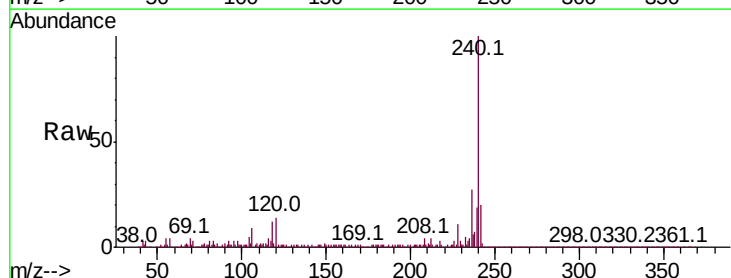
Tgt Ion:240 Resp: 963907

Ion Ratio Lower Upper

240 100

120 13.8 9.0 13.4#

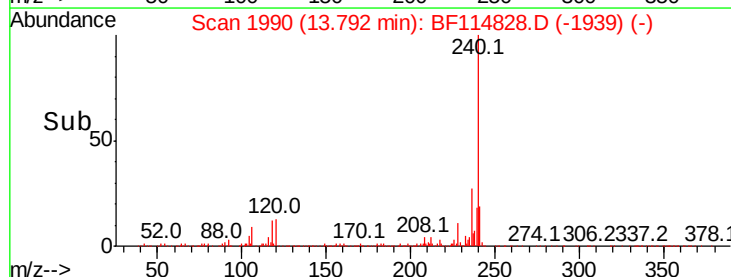
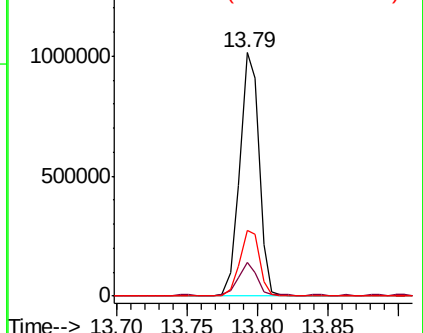
236 26.9 21.4 32.0

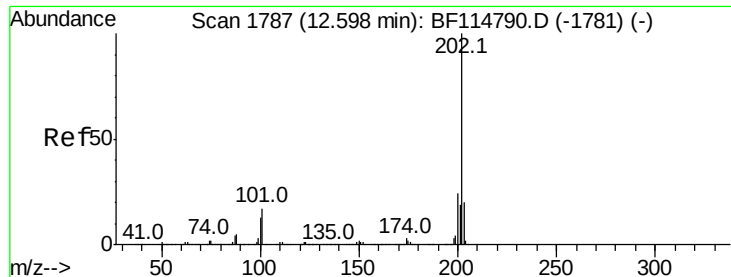


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

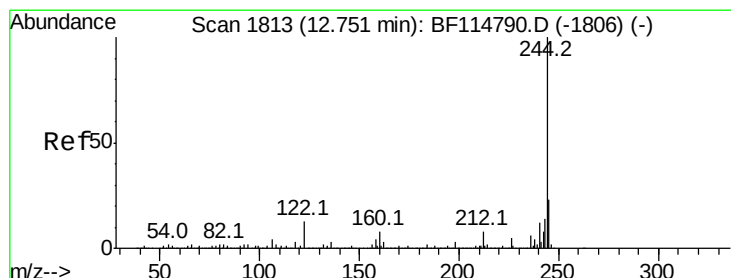
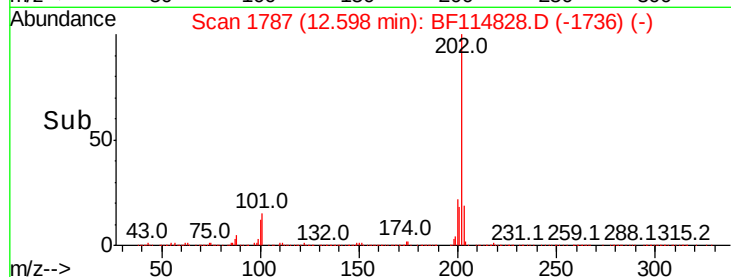
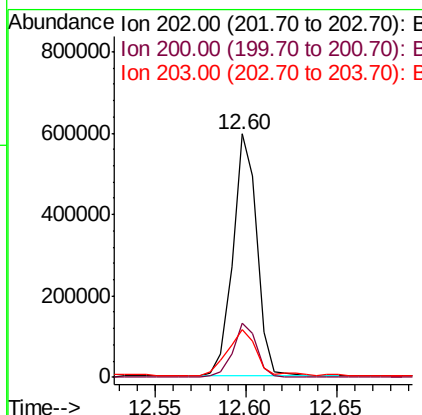
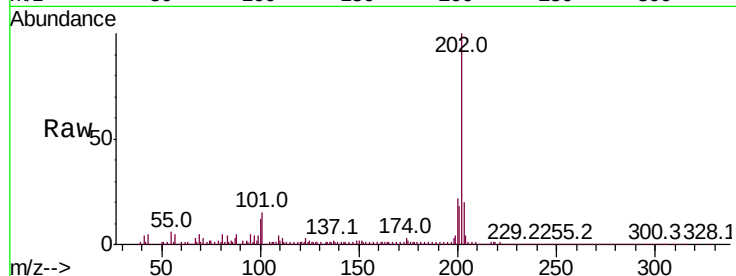




#78
Pvrene
Concen: 6.554 ng
RT: 12.60 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

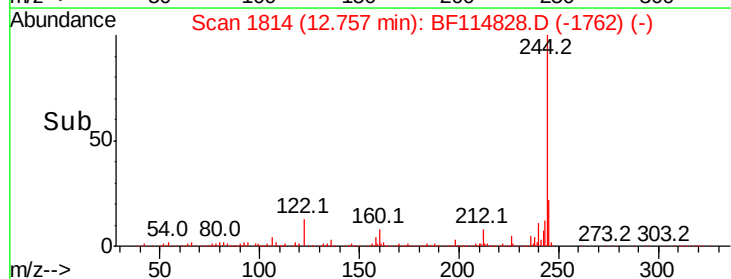
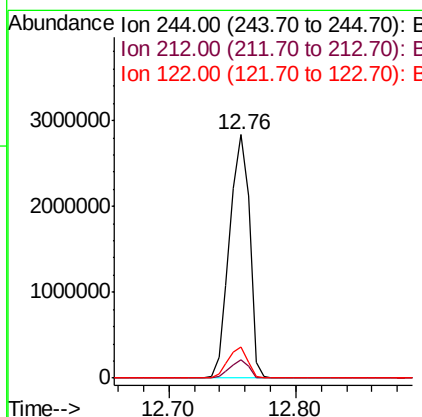
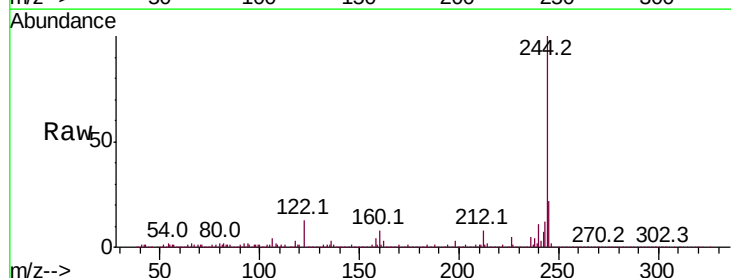
Instrument :
BNA_F
ClientSampleId :

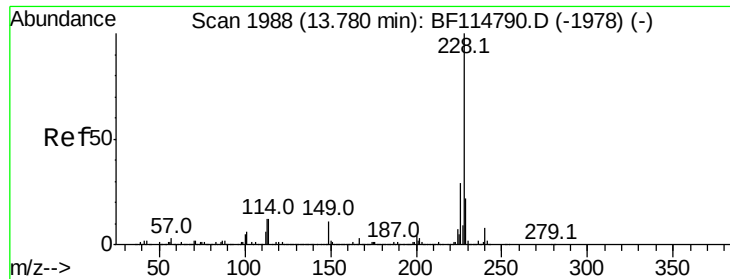
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.3	19.2	28.8
203	19.6	15.9	23.9



#79
Terphenyl-d14
Concen: 62.151 ng
RT: 12.76 min Scan# 1814
Delta R.T. 0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.5	9.7
122	12.7	10.5	15.7

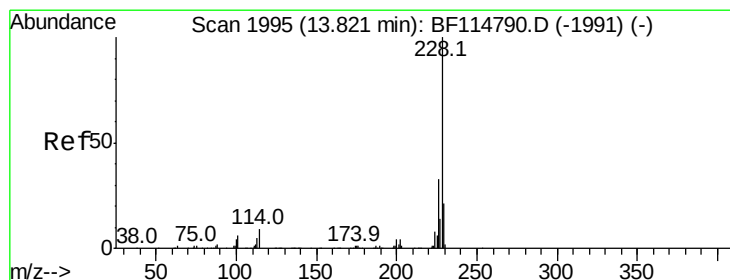
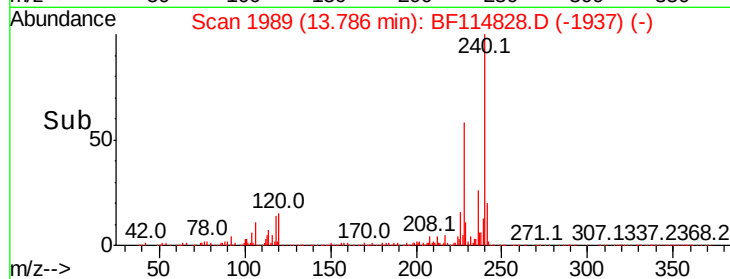
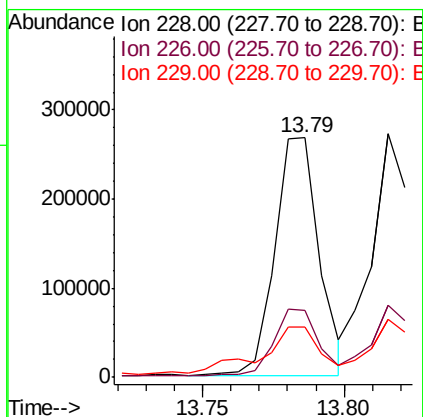
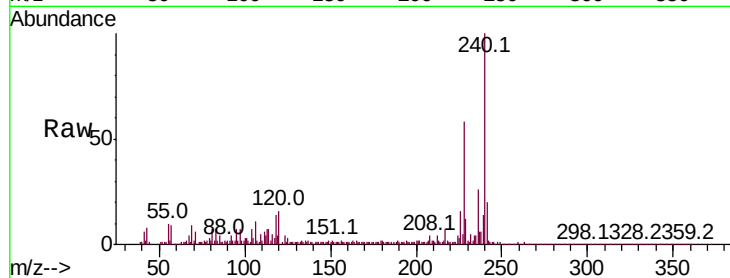




#81
Benzo(a)anthracene
Concen: 3.910 ng
RT: 13.79 min Scan# 1989
Delta R.T. 0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

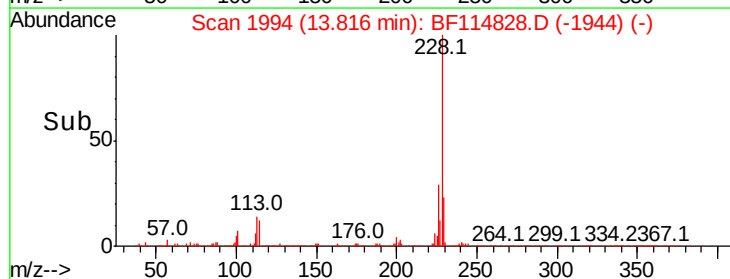
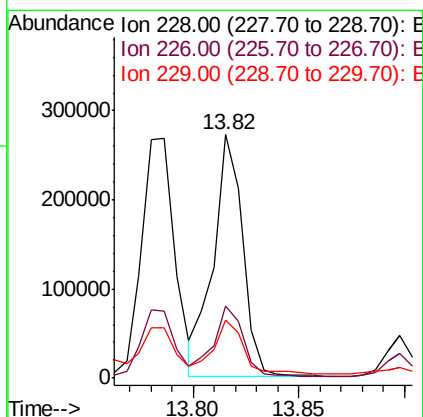
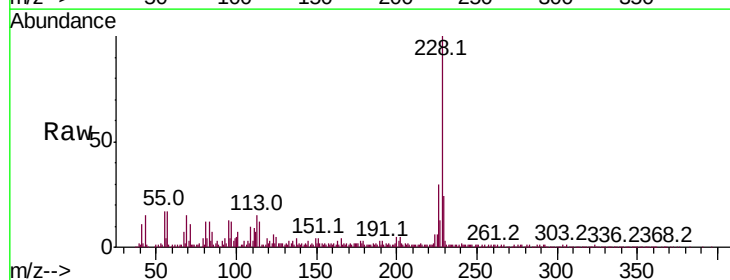
Instrument :
BNA_F
ClientSampleId :

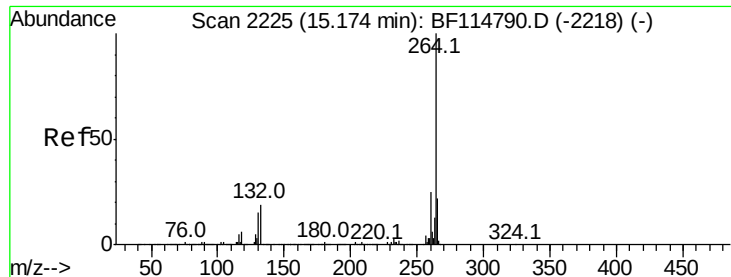
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.4	35.2
229	20.9	17.4	26.0



#83
Chrysene
Concen: 3.618 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	26.0	39.0
229	23.6	17.1	25.7



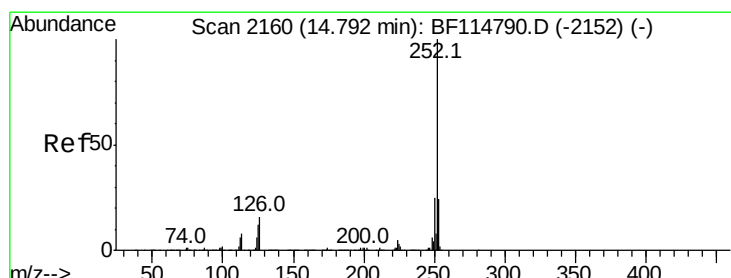
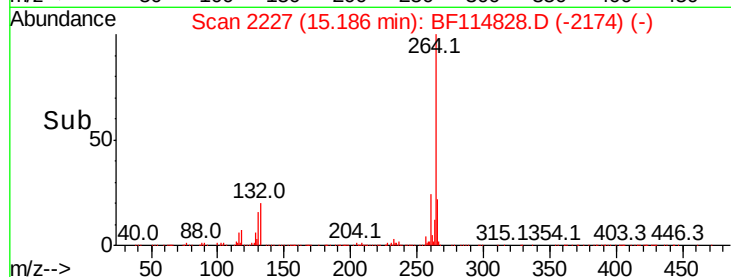
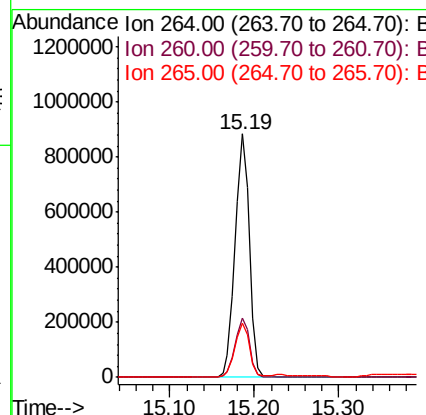
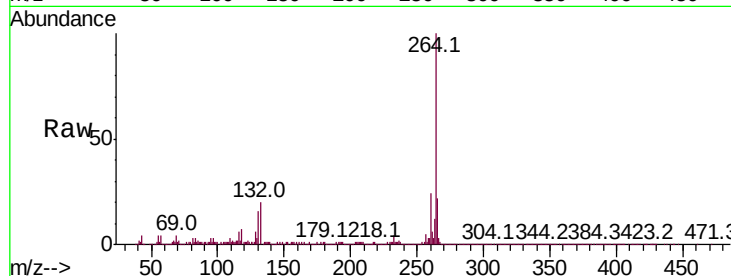


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.19 min Scan# 2227
Delta R.T. 0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 1012525

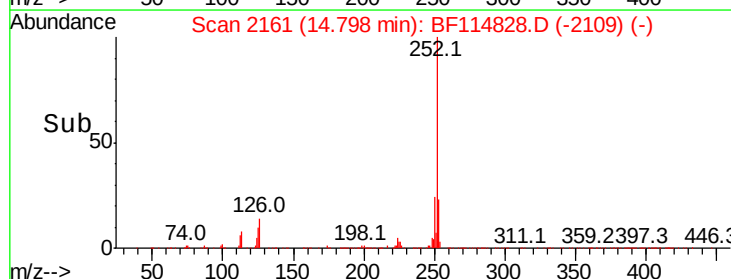
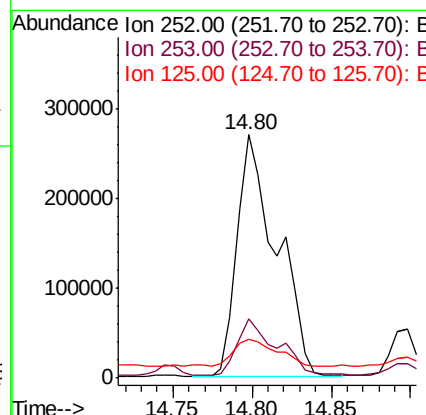
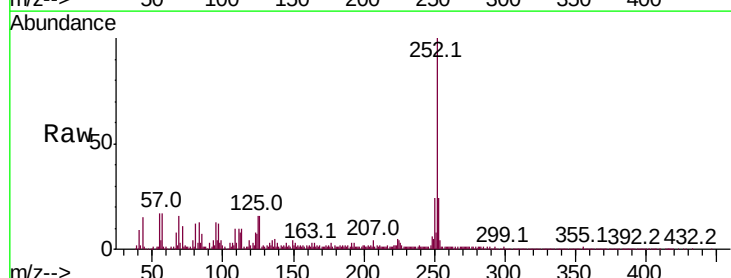
Ion	Ratio	Lower	Upper
264	100		
260	24.3	20.1	30.1
265	22.3	17.7	26.5

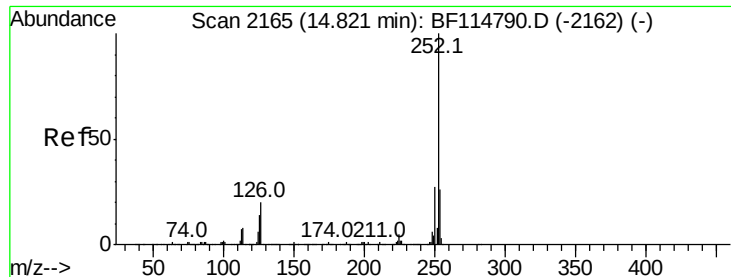


#88
Benzo(b)fluoranthene
Concen: 7.229 ng
RT: 14.80 min Scan# 2161
Delta R.T. 0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Tgt Ion:252 Resp: 465977

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	16.2	9.4	14.0

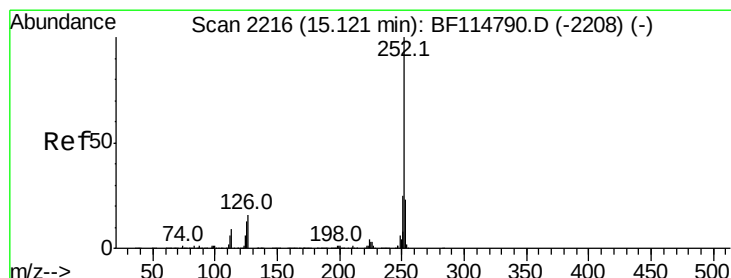
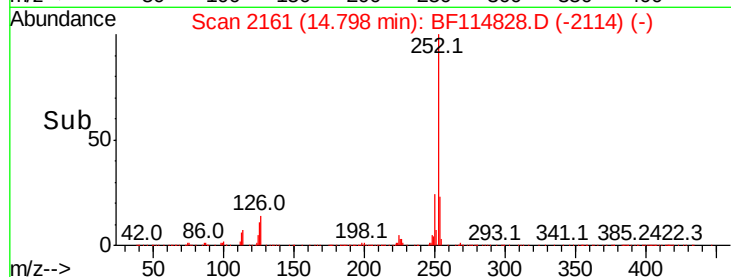
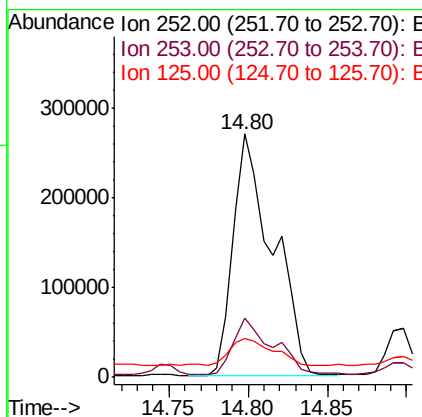
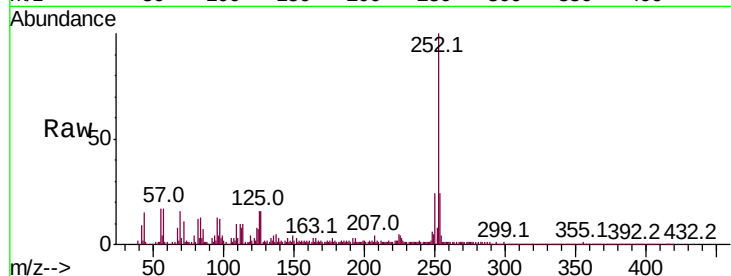




#89
Benzo(k)fluoranthene
Concen: 8.513 ng
RT: 14.80 min Scan# 2161
Delta R.T. -0.02 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

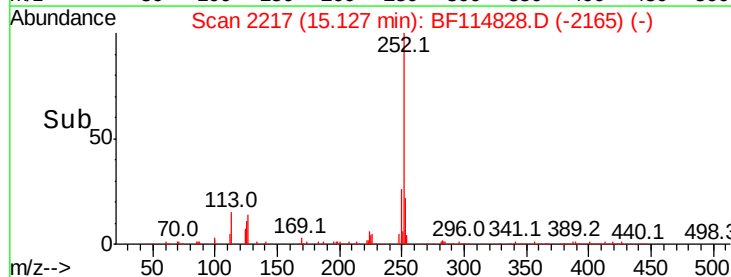
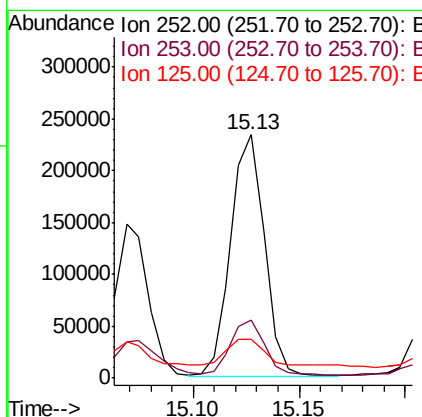
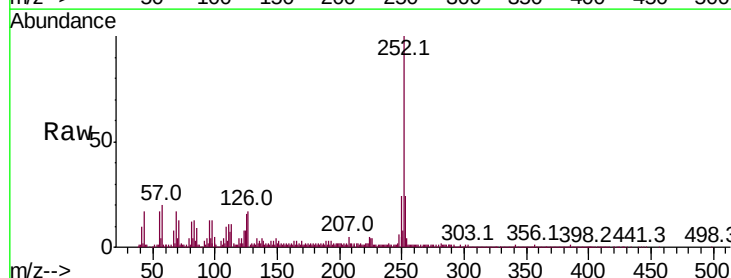
Instrument :
BNA_F
ClientSampleId :

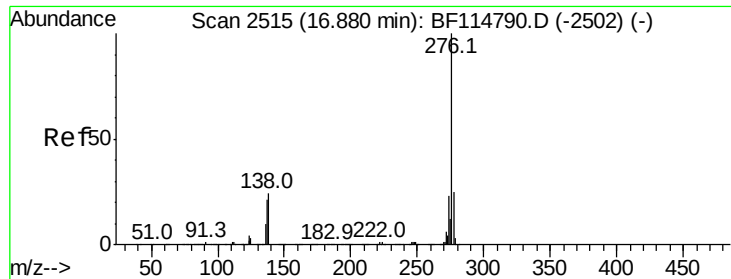
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.3	28.9
125	16.2	10.1	15.1



#90
Benzo(a)pyrene
Concen: 4.630 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF114828.D
Acq: 5 Jun 2019 19:54

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.5	27.7
125	15.9	10.1	15.1





#92

Benzo(a,h,i)perylene

Concen: 2.593 ng

RT: 16.88 min Scan# 2515

Delta R.T. 0.00 min

Lab File: BF114828.D

Acq: 5 Jun 2019 19:54

Instrument :

BNA_F

ClientSampleId :

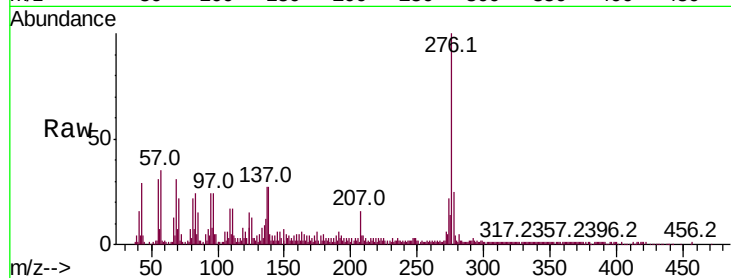
Tot Ion:276 Resp: 137785

Ion Ratio Lower Upper

276 100

277 24.7 19.8 29.6

138 26.8 19.4 29.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

