

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF092018\
 Data File : BF109196.D
 Acq On : 20 Sep 2018 21:46
 Operator : JU/SJ
 Sample : J5002-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 21 07:12:35 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091418.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 14 13:26:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	78237	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	343482	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	157582	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	270207	20.00	ng	0.00
75) Chrysene-d12	13.85	240	175591	20.00	ng	0.00
86) Perylene-d12	15.26	264	199229	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	376363	79.90	ng	0.00
7) Phenol-d6	6.35	99	414108	68.18	ng	0.00
23) Nitrobenzene-d5	7.28	82	321876	52.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.53	330	86638	50.66	ng	-0.01
44) 2-Fluorobiphenyl	9.08	172	562758	55.95	ng	0.00
78) Terphenyl-d14	12.81	244	387010	52.24	ng	0.00

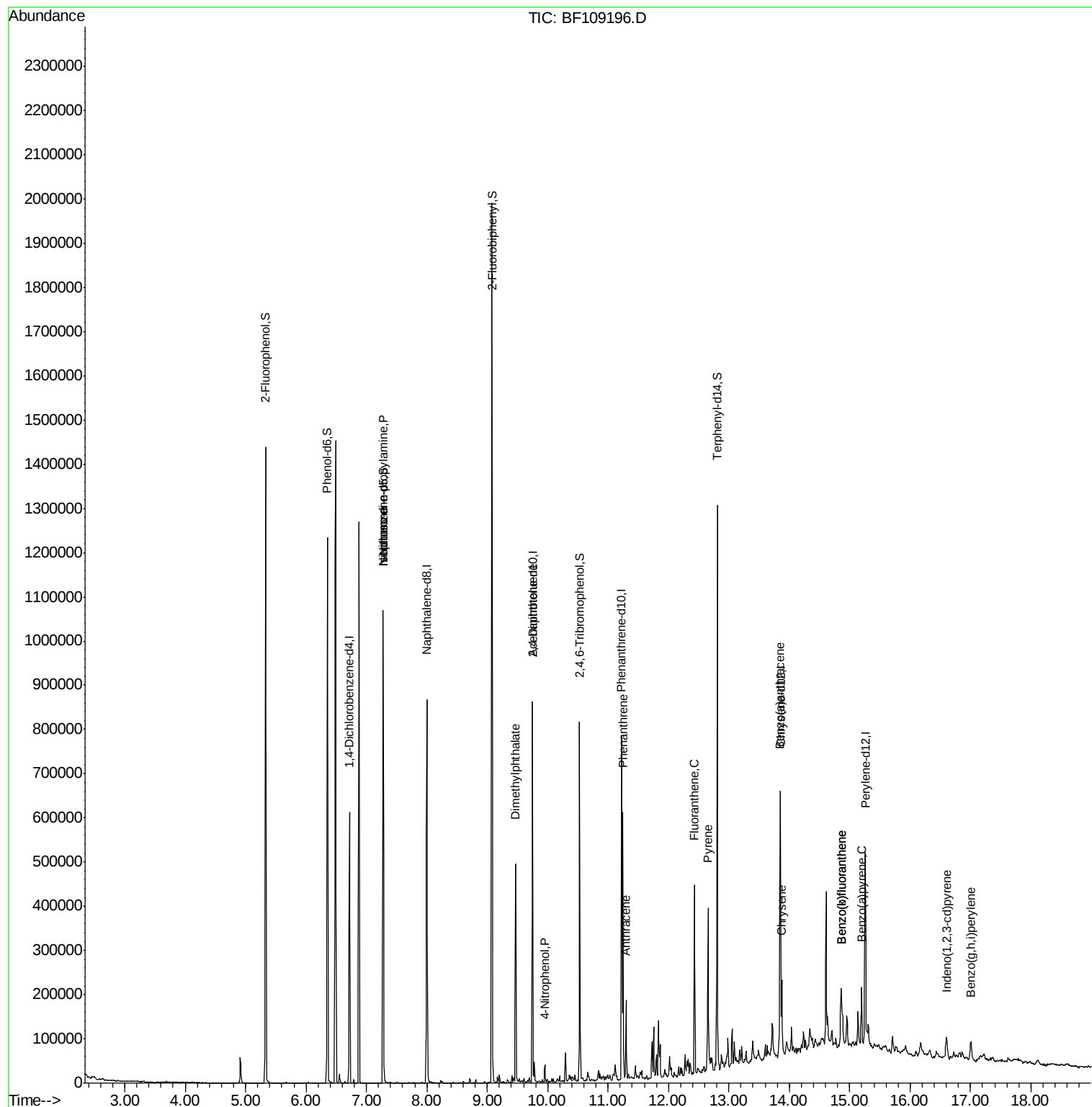
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.28	70	43670	10.877	ng	# 78
25) Isophorone	7.28	82	319337	30.335	ng	# 64
49) Dimethylphthalate	9.47	163	199494	17.712	ng	98
55) 4-Nitrophenol	9.95	139	4347	2.006	ng	# 9
56) 2,4-Dinitrotoluene	9.75	165	20949	6.413	ng	# 23
70) Phenanthrene	11.25	178	196468	14.833	ng	99
71) Anthracene	11.30	178	60951	4.539	ng	98
74) Fluoranthene	12.43	202	155592	11.127	ng	96
77) Pyrene	12.66	202	154649	11.857	ng	100
80) Benzo(a)anthracene	13.84	228	64967	6.111	ng	98
82) Chrysene	13.88	228	66656	6.267	ng	98
85) Indeno(1,2,3-cd)pyrene	16.60	276	32808	3.858	ng	# 90
87) Benzo(b)fluoranthene	14.86	252	87441	7.933	ng	98
88) Benzo(k)fluoranthene	14.86	252	87441	8.494	ng	98
89) Benzo(a)pyrene	15.19	252	53887	5.505	ng	97
91) Benzo(g,h,i)perylene	17.01	276	30026	3.652	ng	# 94

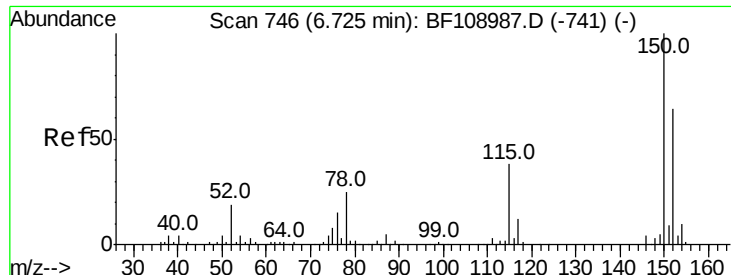
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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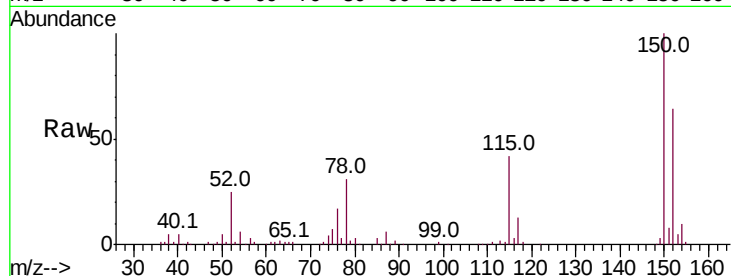


#1

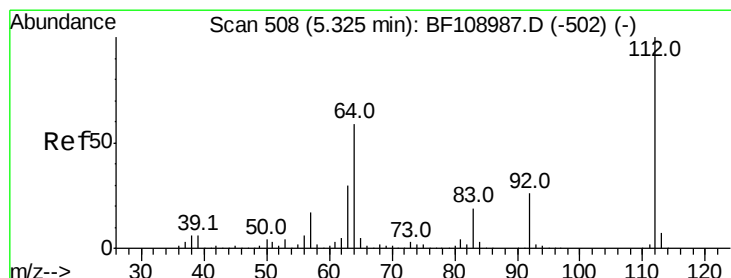
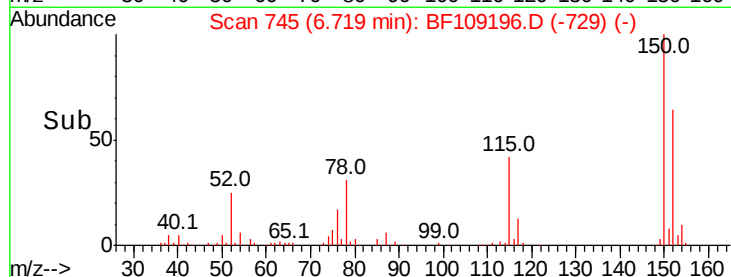
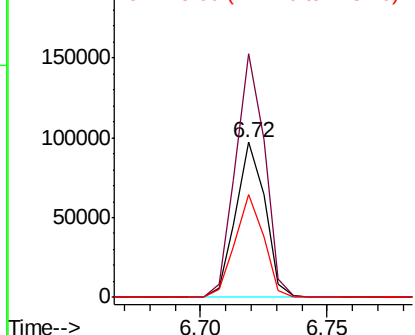
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 78237
Ion Ratio Lower Upper
152 100
150 157.2 124.6 186.8
115 66.6 50.1 75.1



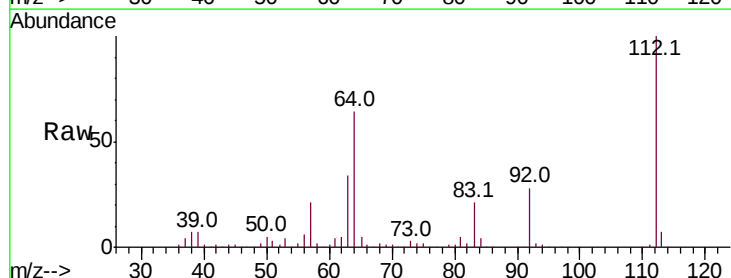
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



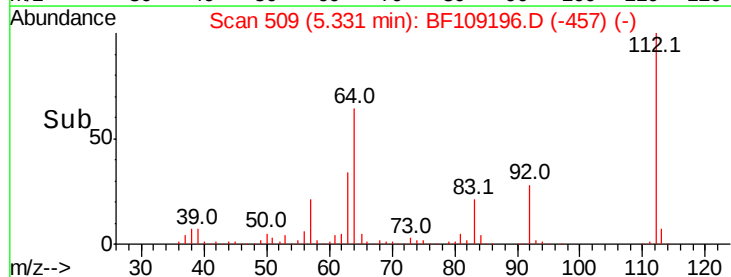
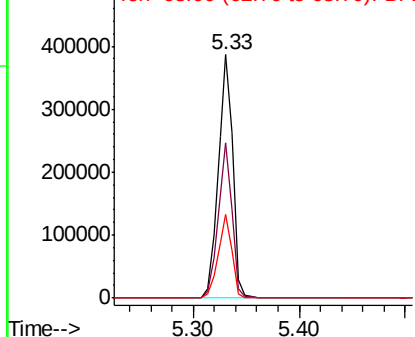
#5

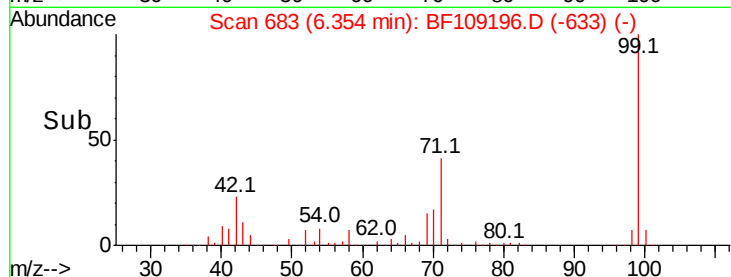
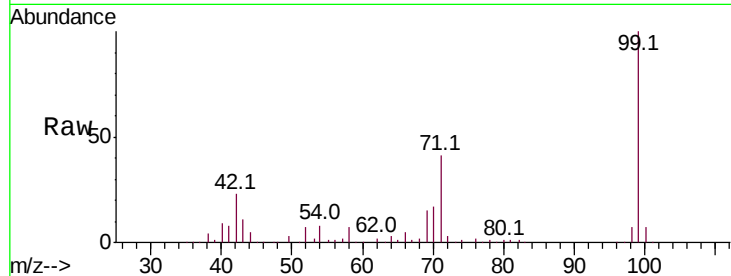
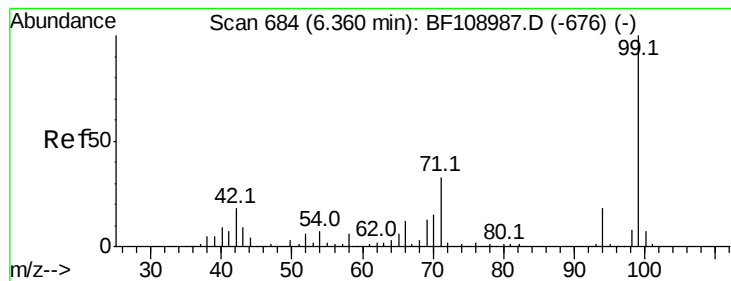
2-Fluorophenol
Concen: 79.898 ng
RT: 5.33 min Scan# 509
Delta R.T. 0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion:112 Resp: 376363
Ion Ratio Lower Upper
112 100
64 63.8 47.9 71.9
63 34.5 23.7 35.5



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: 68.177 ng

RT: 6.35 min Scan# 683

Delta R.T. -0.01 min

Lab File: BF109196.D

Acq: 20 Sep 2018 21:46

Instrument :

BNA_F

ClientSampleId :

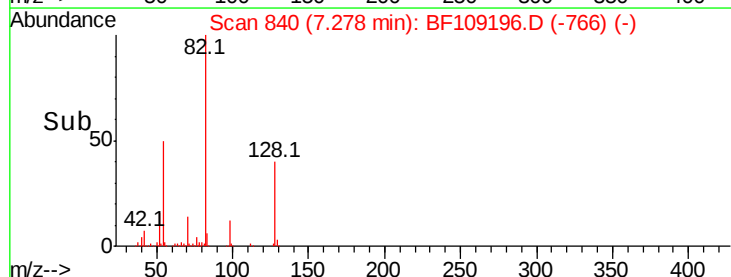
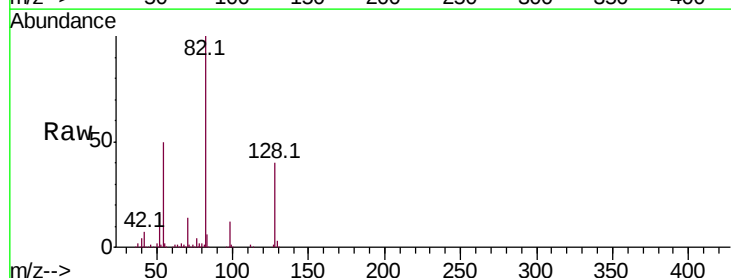
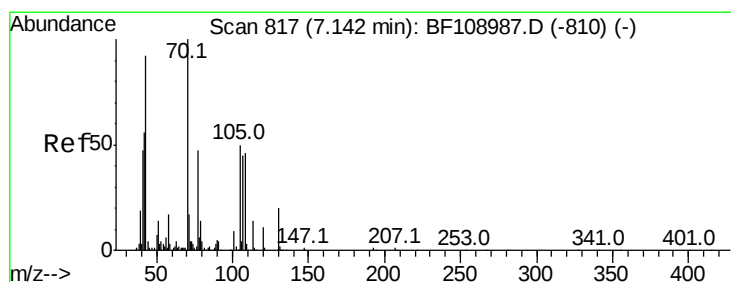
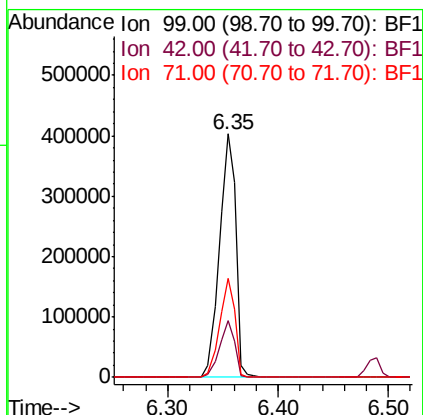
Tot Ion: 99 Resp: 414108

Ion Ratio Lower Upper

99 100

42 23.1 14.5 21.7#

71 40.9 25.4 38.0#



#19

n-Nitroso-di-n-propylamine

Concen: 10.877 ng

RT: 7.28 min Scan# 840

Delta R.T. 0.14 min

Lab File: BF109196.D

Acq: 20 Sep 2018 21:46

Tgt Ion: 70 Resp: 43670

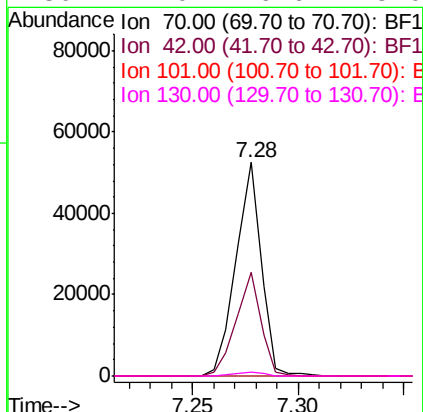
Ion Ratio Lower Upper

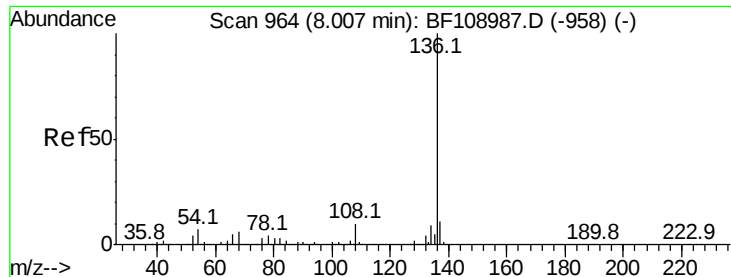
70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

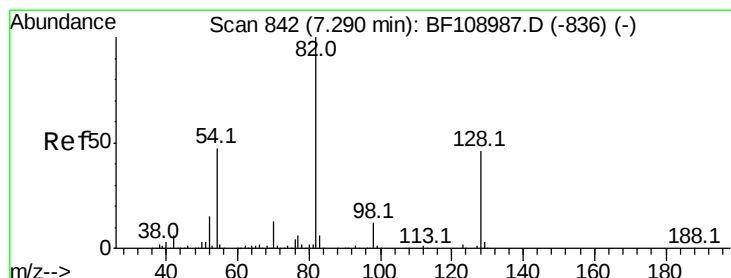
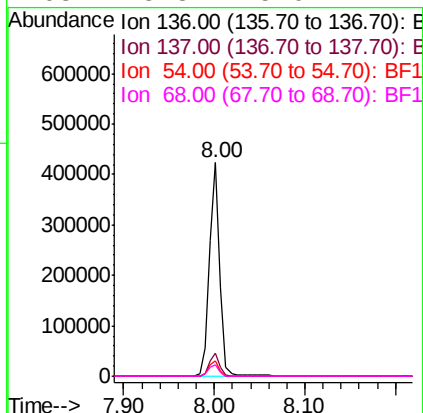
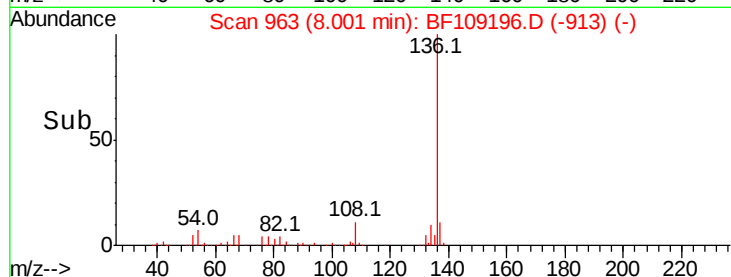
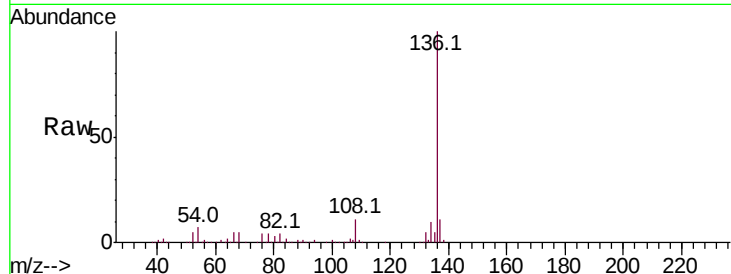




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 963
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

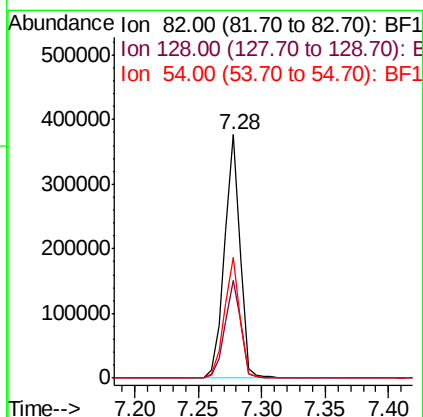
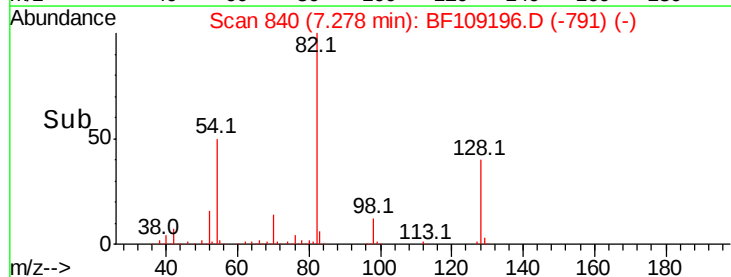
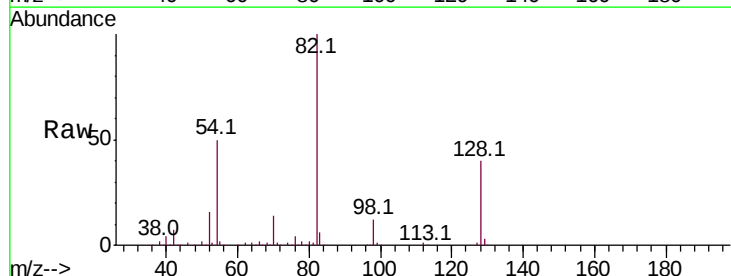
Instrument :
BNA_F
ClientSampleId :

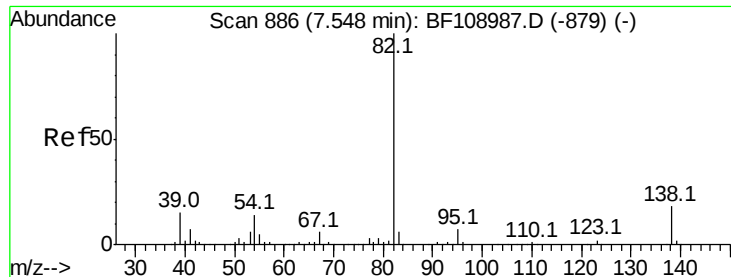
Tot Ion:136	Resp:	343482
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 7.2	6.6	9.8
68 5.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 52.560 ng
RT: 7.28 min Scan# 840
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion: 82	Resp: 321876
Ion Ratio	Lower Upper
82 100	
128 40.0	36.1 54.1
54 49.7	41.4 62.2





#25

Isophorone

Concen: 30.335 ng

RT: 7.28 min Scan# 840

Delta R.T. -0.27 min

Lab File: BF109196.D

Acq: 20 Sep 2018 21:46

Instrument :

BNA_F

ClientSampleId :

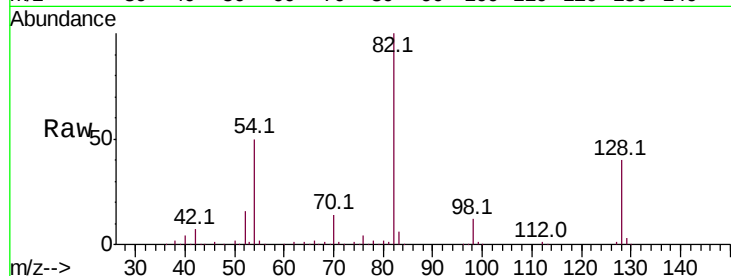
Tot Ion: 82 Resp: 319337

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

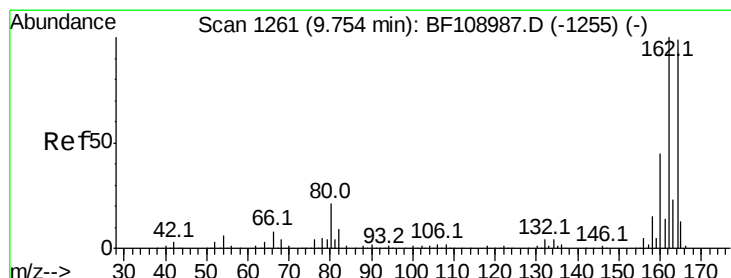
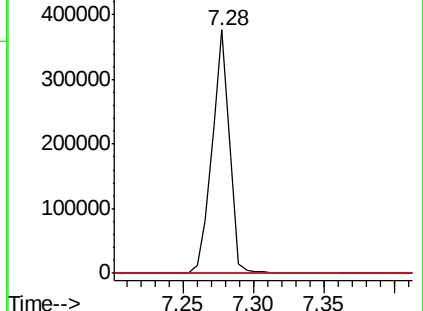
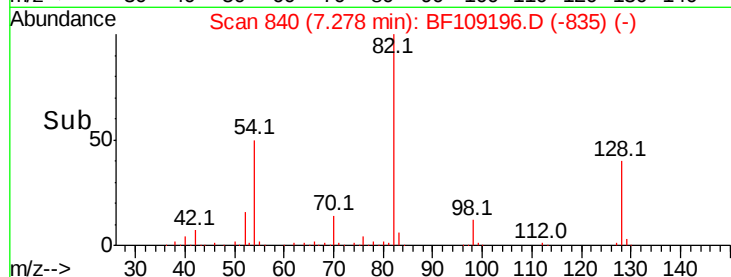
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.75 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BF109196.D

Acq: 20 Sep 2018 21:46

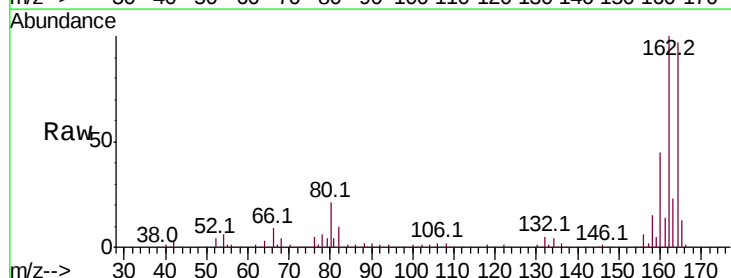
Tgt Ion:164 Resp: 157582

Ion Ratio Lower Upper

164 100

162 103.0 86.1 129.1

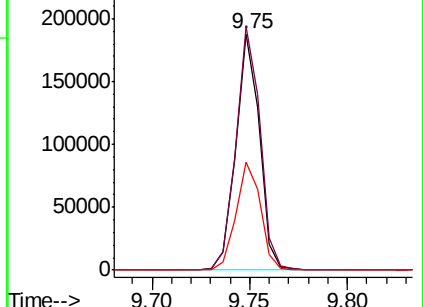
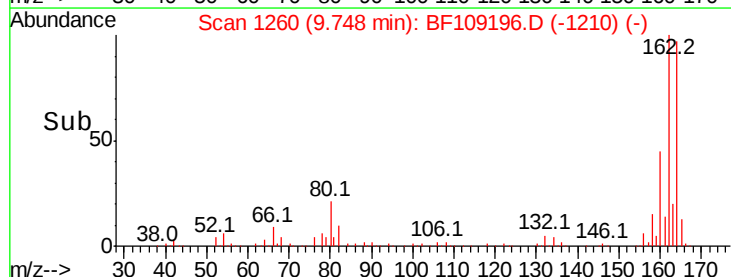
160 45.8 38.3 57.5

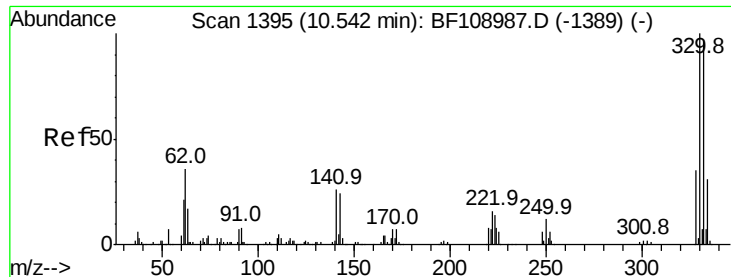


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

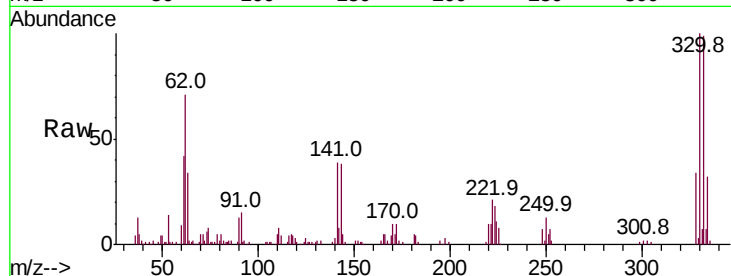




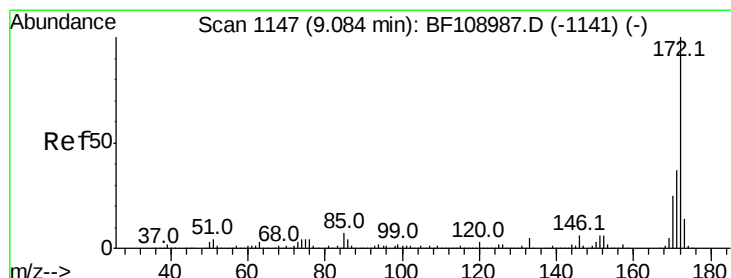
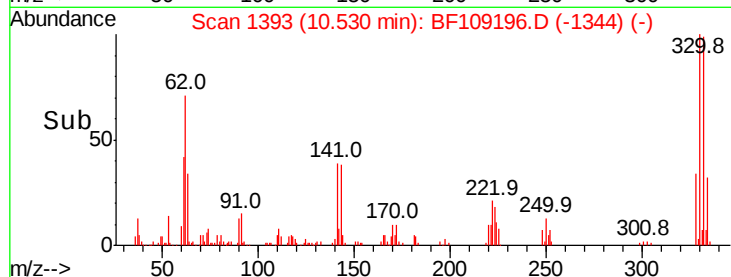
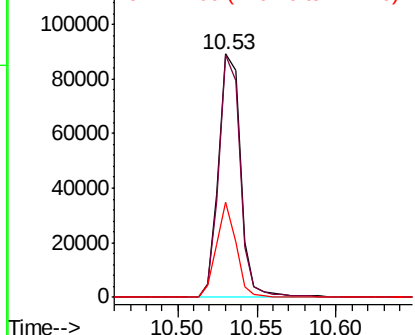
#41
 2,4,6-Tribromophenol
 Concen: 50.660 ng
 RT: 10.53 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109196.D
 Acq: 20 Sep 2018 21:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	35.1	29.9	44.9

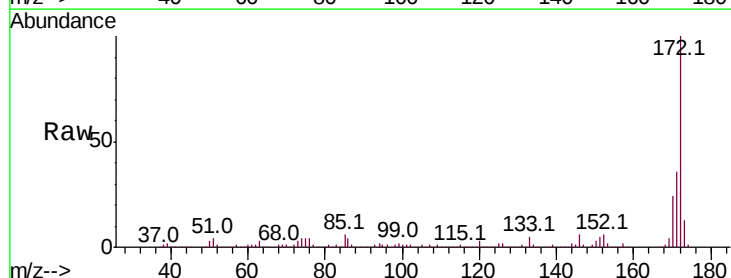


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

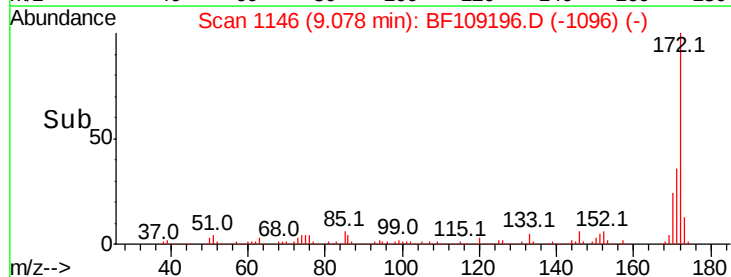
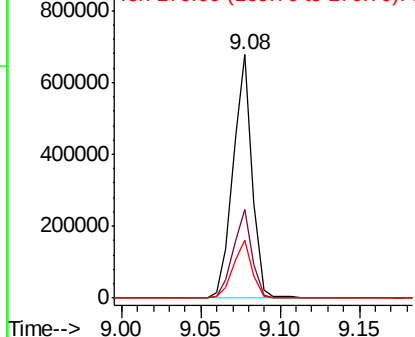


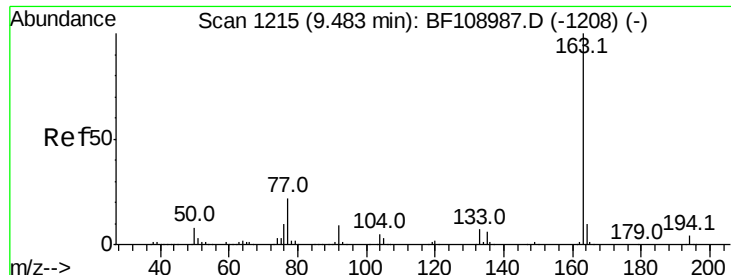
#44
 2-Fluorobiphenyl
 Concen: 55.951 ng
 RT: 9.08 min Scan# 1146
 Delta R.T. -0.01 min
 Lab File: BF109196.D
 Acq: 20 Sep 2018 21:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.7	19.6	29.4



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

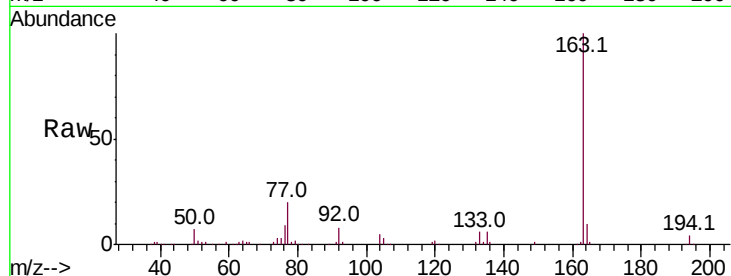




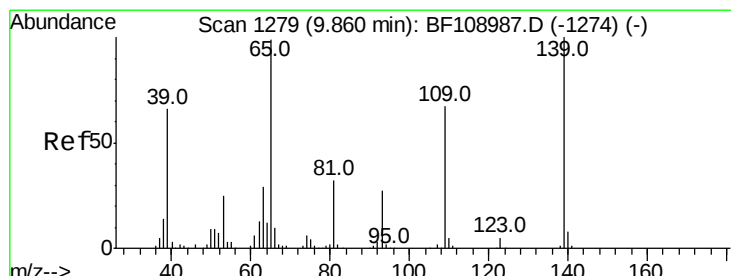
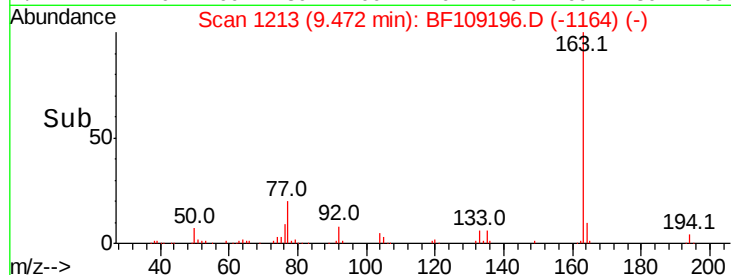
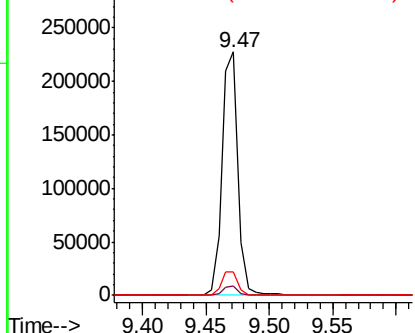
#49
Dimethylphthalate
Concen: 17.712 ng
RT: 9.47 min Scan# 1213
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 199494
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.5 8.2 12.2

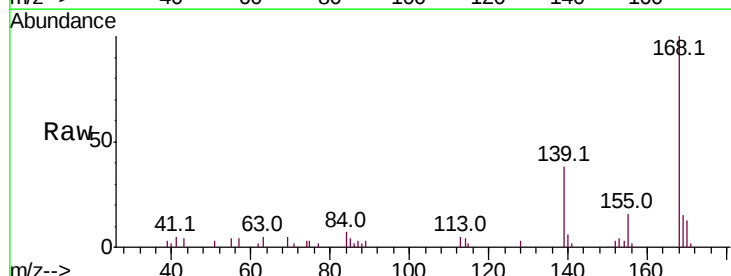


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

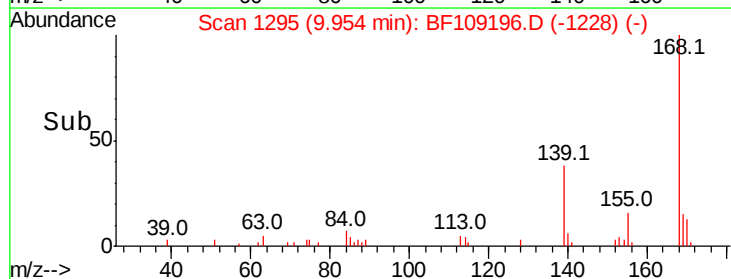
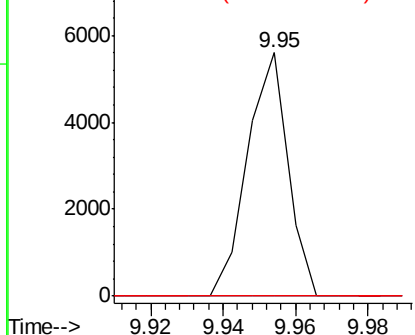


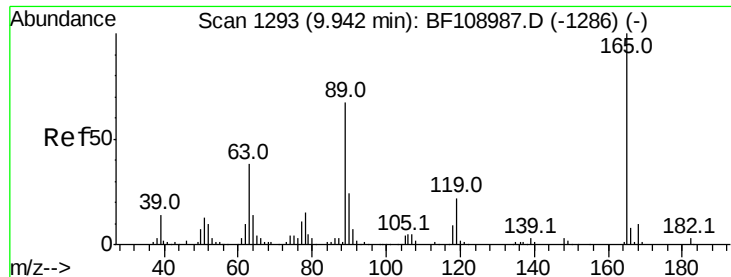
#55
4-Nitrophenol
Concen: 2.006 ng
RT: 9.95 min Scan# 1295
Delta R.T. 0.09 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion:139 Resp: 4347
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

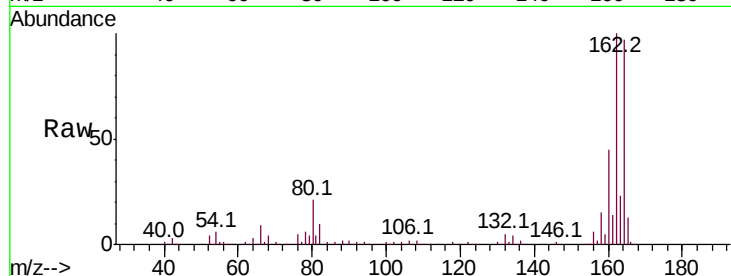




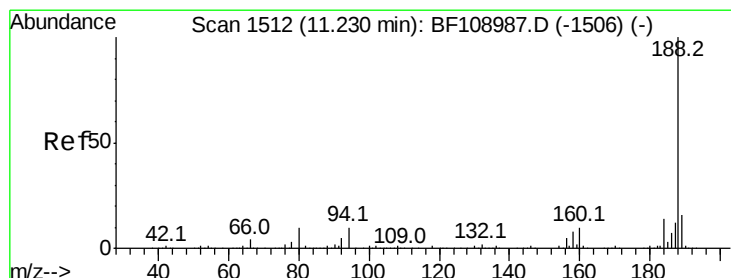
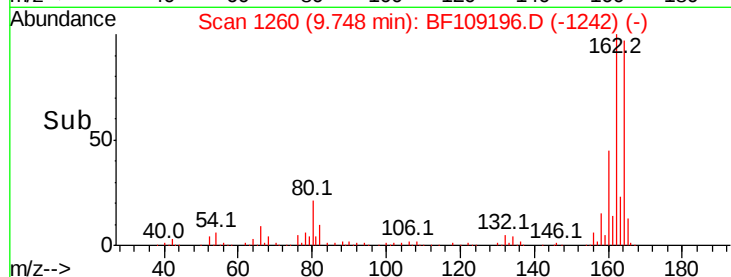
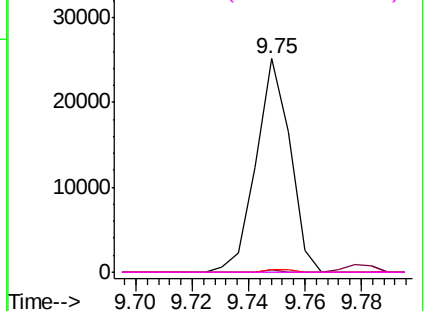
#56
 2,4-Dinitrotoluene
 Concen: 6.413 ng
 RT: 9.75 min Scan# 1260
 Delta R.T. -0.19 min
 Lab File: BF109196.D
 Acq: 20 Sep 2018 21:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	20949
Ion Ratio	Lower	Upper
165 100		
63 1.4	36.4	54.6#
89 1.5	57.8	86.6#
182 0.0	1.6	2.4#

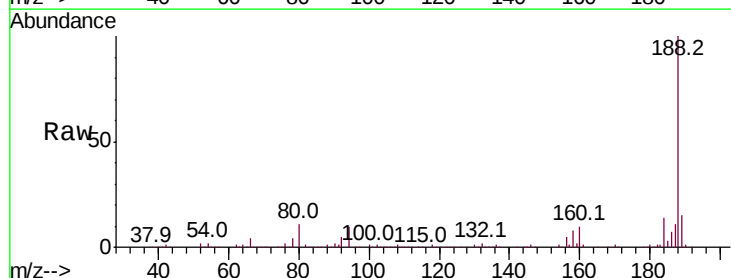


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

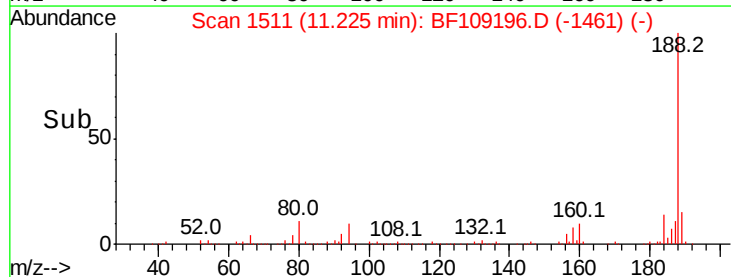
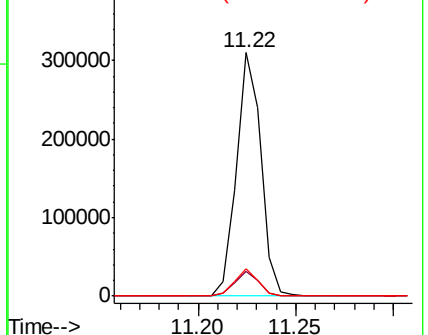


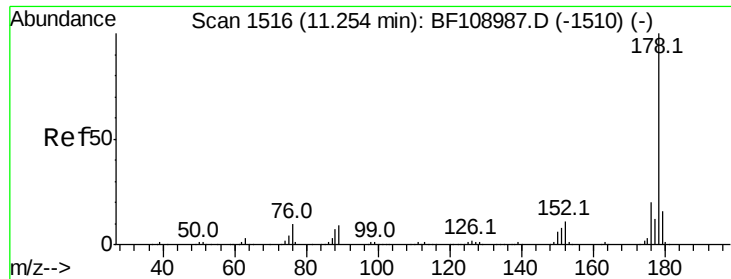
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1511
 Delta R.T. -0.01 min
 Lab File: BF109196.D
 Acq: 20 Sep 2018 21:46

Tgt Ion:188	Resp:	270207
Ion Ratio	Lower	Upper
188 100		
94 10.0	8.5	12.7
80 11.0	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

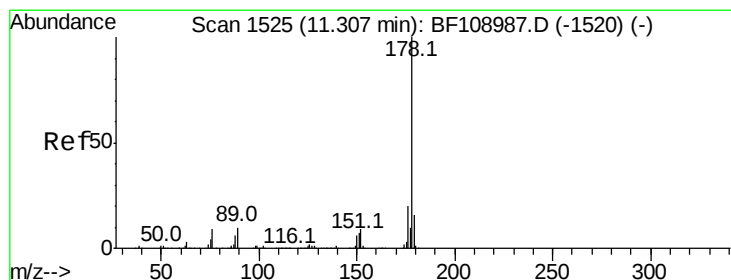
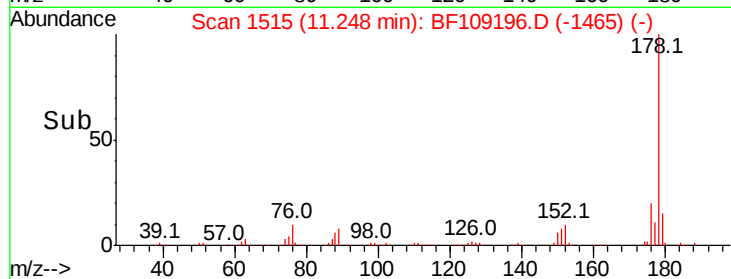
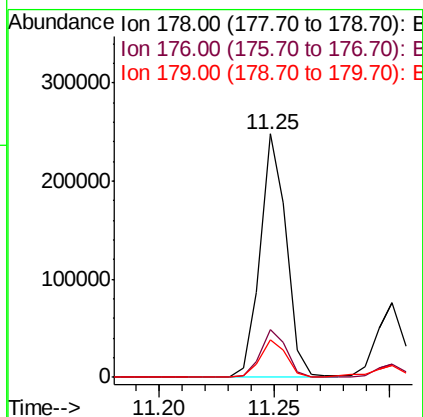
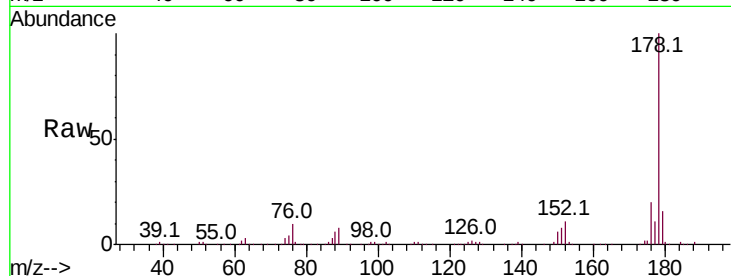




#70
Phenanthrene
Concen: 14.833 ng
RT: 11.25 min Scan# 1515
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

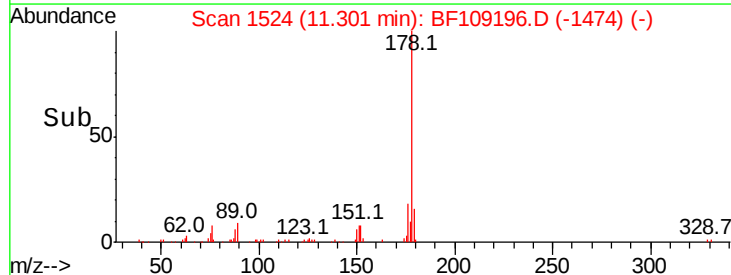
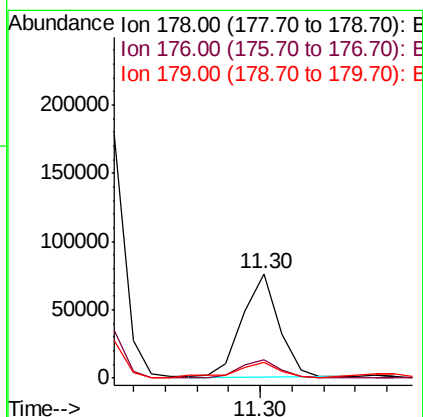
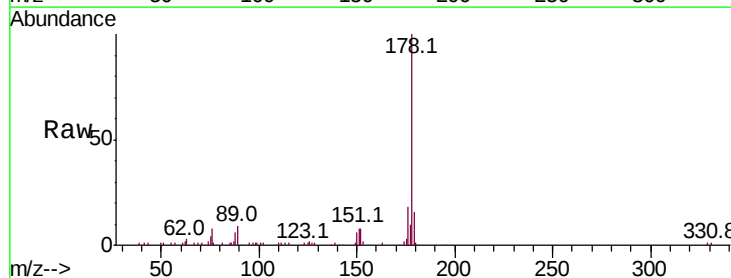
Instrument :
BNA_F
ClientSampleId :

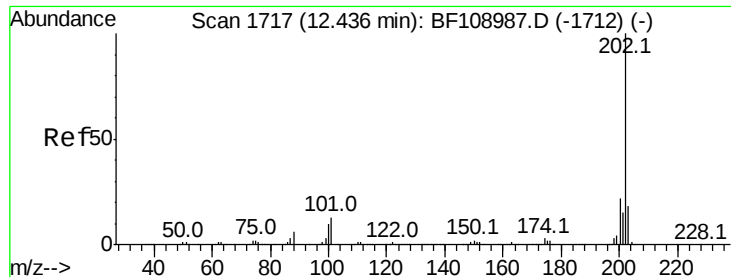
Tot Ion:178 Resp: 196468
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 15.7 13.0 19.6



#71
Anthracene
Concen: 4.539 ng
RT: 11.30 min Scan# 1524
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion:178 Resp: 60951
Ion Ratio Lower Upper
178 100
176 17.9 15.4 23.2
179 15.6 12.6 19.0

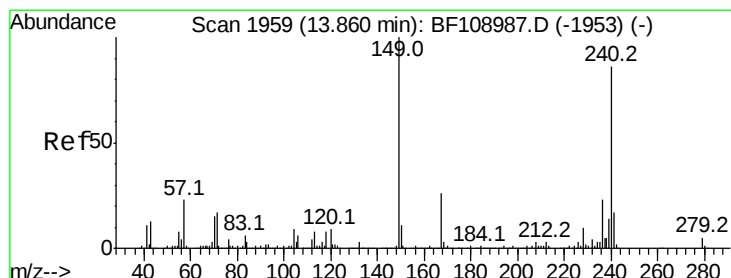
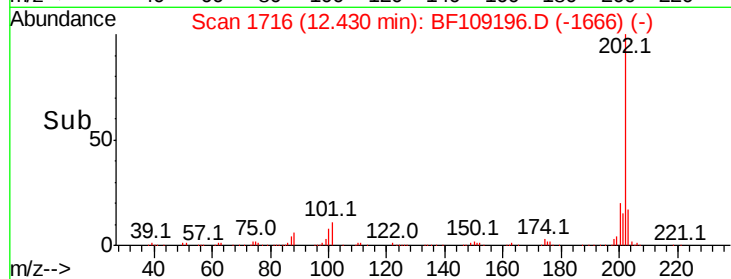
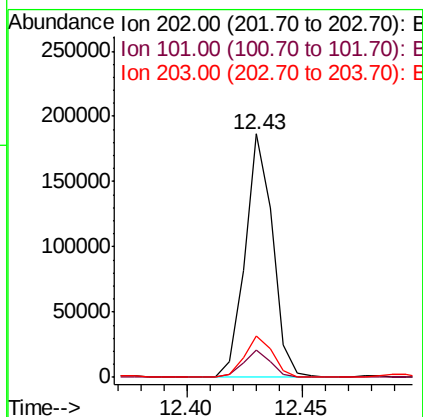
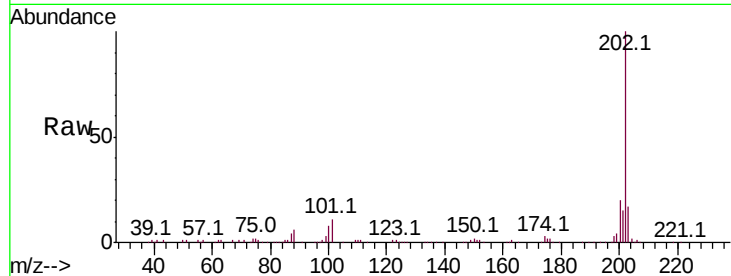




#74
Fluoranthene
Concen: 11.127 ng
RT: 12.43 min Scan# 1716
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

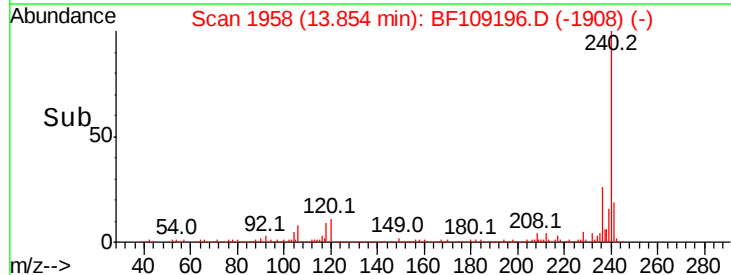
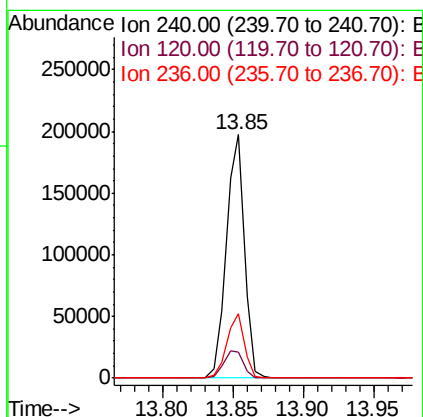
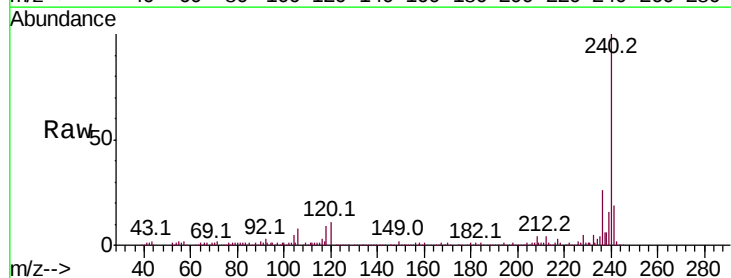
Instrument :
BNA_F
ClientSampleId :

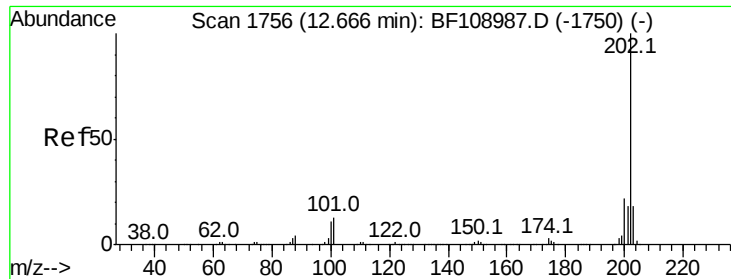
Tot Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.2	0.0	38.1



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 1958
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.3	20.7	31.1

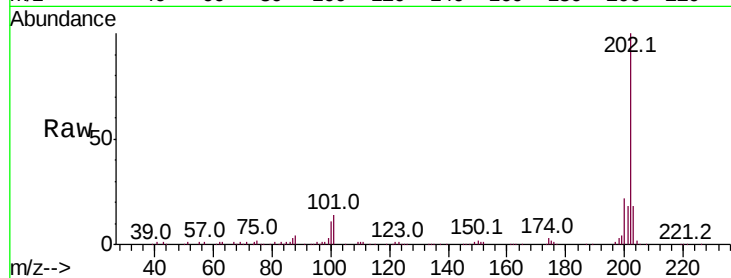




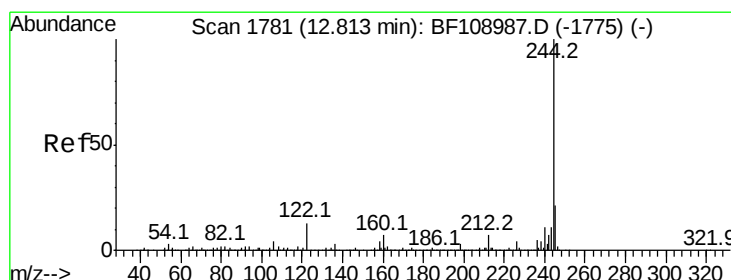
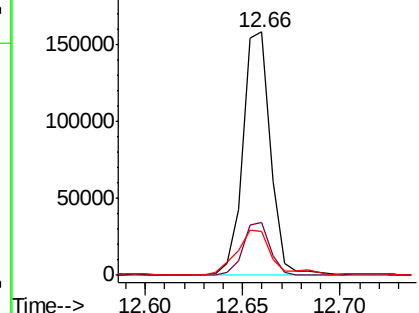
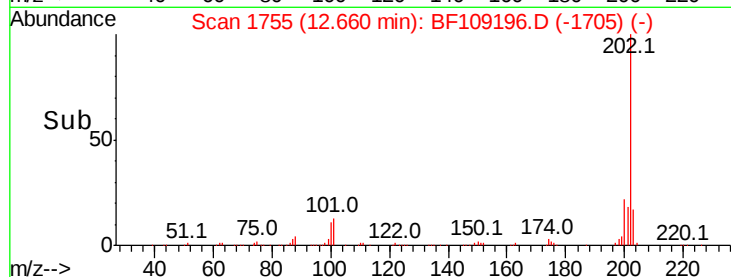
#77
Pvrene
Concen: 11.857 ng
RT: 12.66 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 154649
Ion Ratio Lower Upper
202 100
200 21.8 17.4 26.2
203 18.0 14.3 21.5

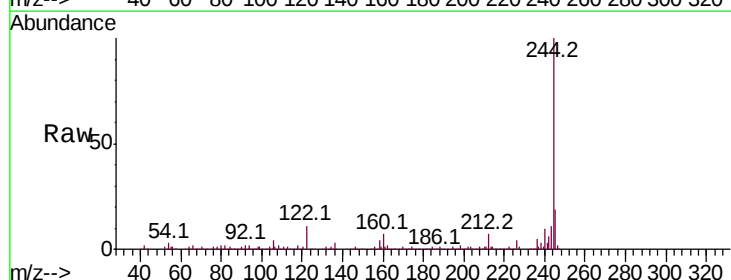


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

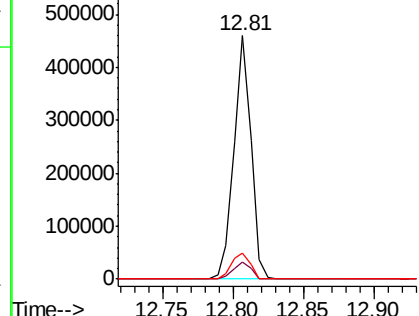
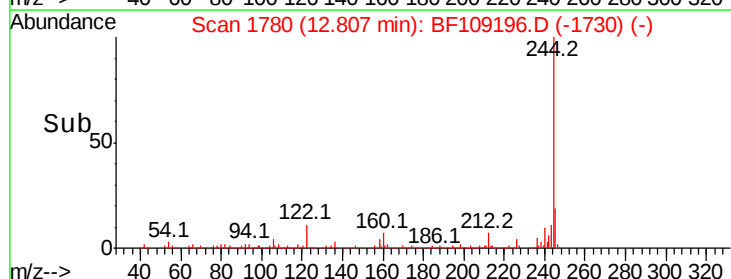


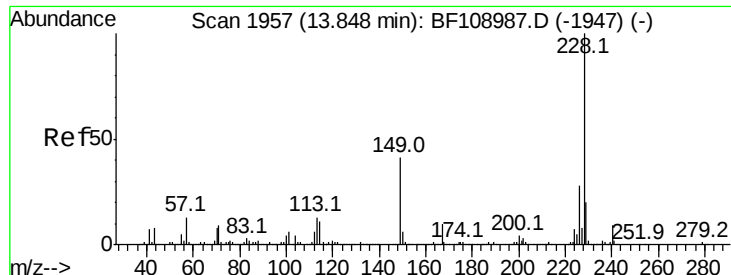
#78
Terphenyl-d14
Concen: 52.242 ng
RT: 12.81 min Scan# 1780
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion:244 Resp: 387010
Ion Ratio Lower Upper
244 100
212 7.2 5.4 8.0
122 10.9 11.0 16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.111 ng

RT: 13.84 min Scan# 1956

Delta R.T. -0.01 min

Lab File: BF109196.D

Acq: 20 Sep 2018 21:46

Instrument :

BNA_F

ClientSampleId :

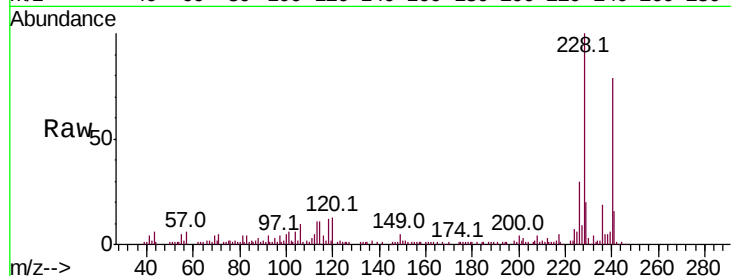
Tot Ion:228 Resp: 64967

Ion Ratio Lower Upper

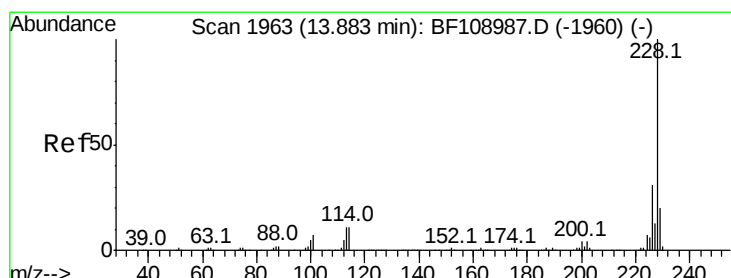
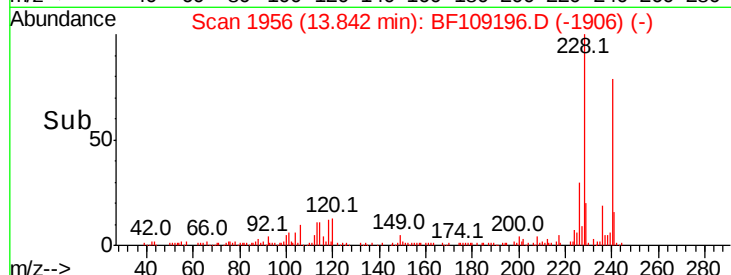
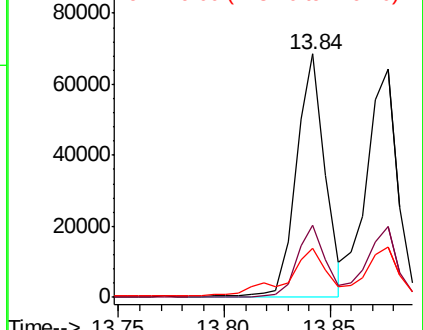
228 100

226 29.7 22.6 33.8

229 20.2 15.8 23.6



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



#82

Chrysene

Concen: 6.267 ng

RT: 13.88 min Scan# 1962

Delta R.T. -0.01 min

Lab File: BF109196.D

Acq: 20 Sep 2018 21:46

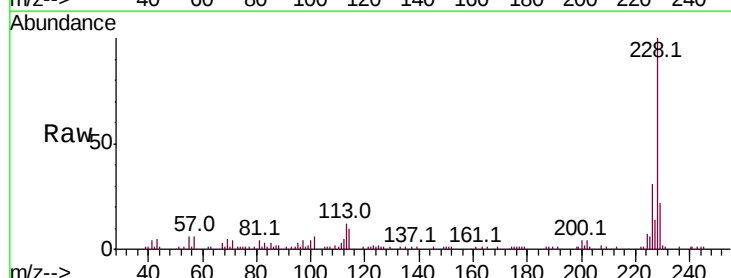
Tgt Ion:228 Resp: 66656

Ion Ratio Lower Upper

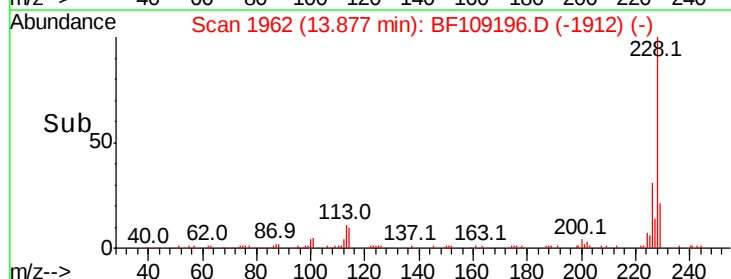
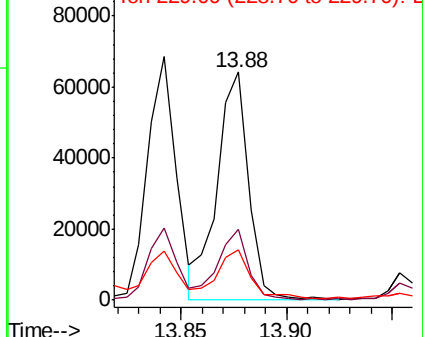
228 100

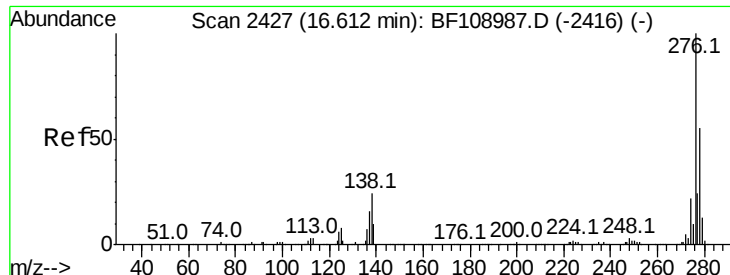
226 30.8 25.0 37.6

229 22.4 16.2 24.4



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

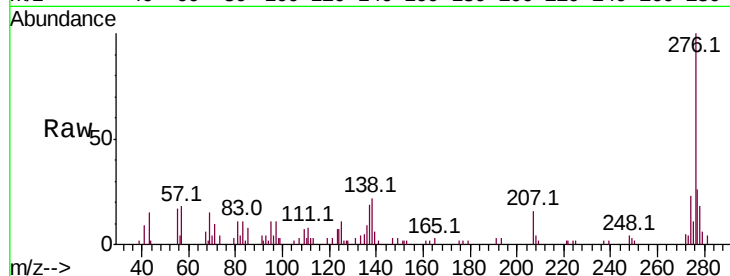




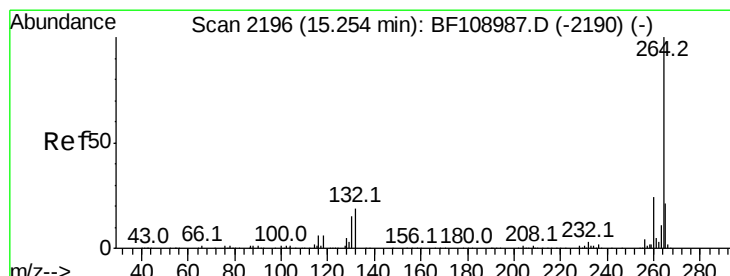
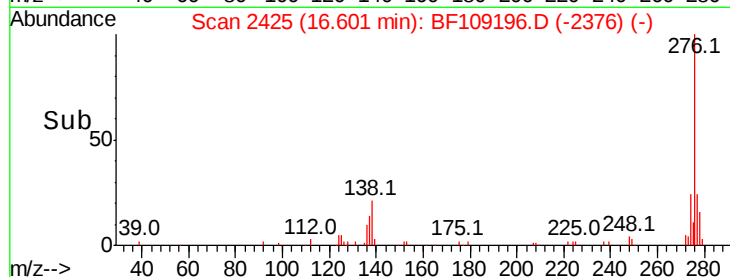
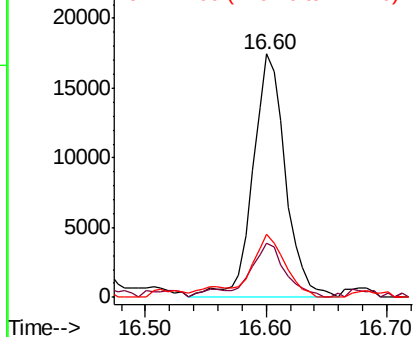
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.858 ng
 RT: 16.60 min Scan# 2425
 Delta R.T. -0.01 min
 Lab File: BF109196.D
 Acq: 20 Sep 2018 21:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.5	25.0	37.6#
277	26.1	20.1	30.1

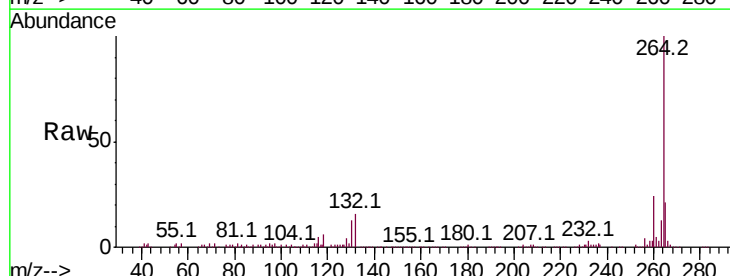


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

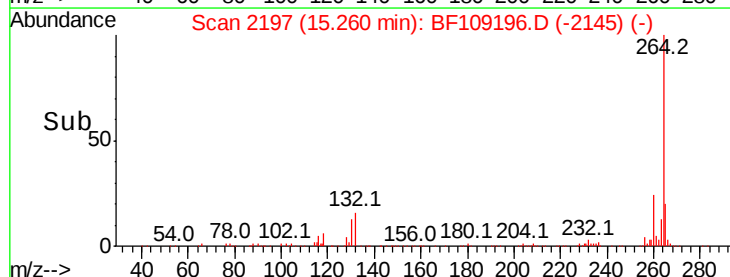
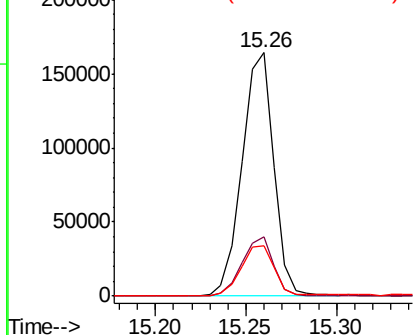


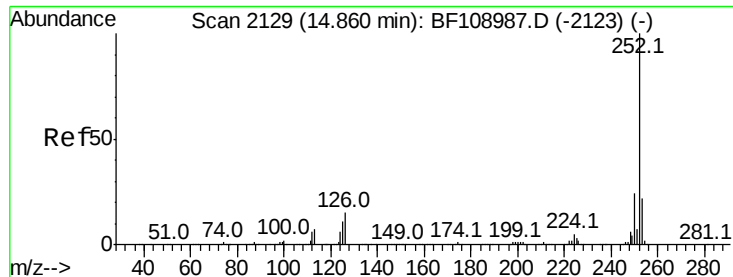
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2197
 Delta R.T. 0.01 min
 Lab File: BF109196.D
 Acq: 20 Sep 2018 21:46

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	20.6	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E

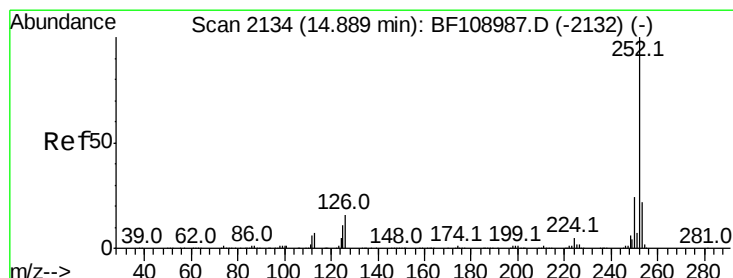
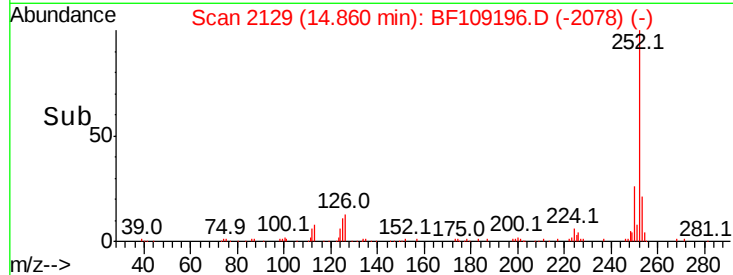
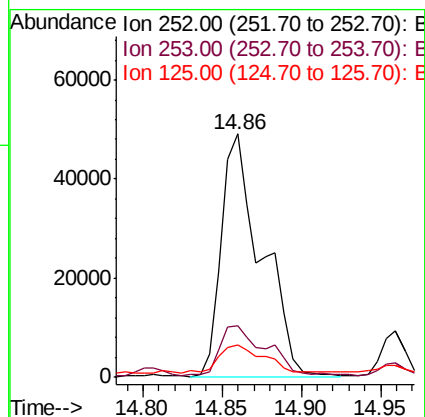
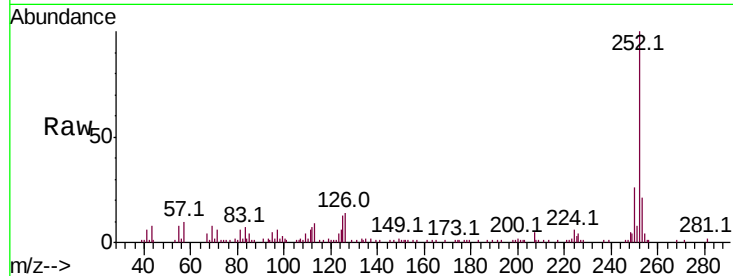




#87
Benzo(b)fluoranthene
Concen: 7.933 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

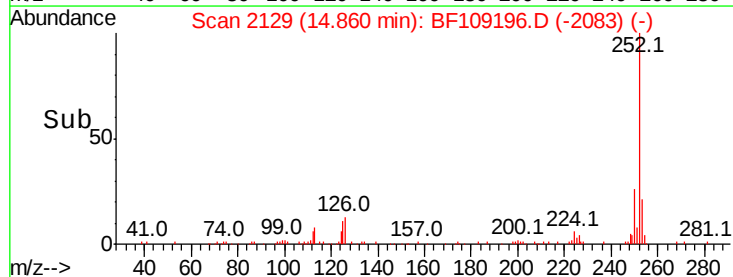
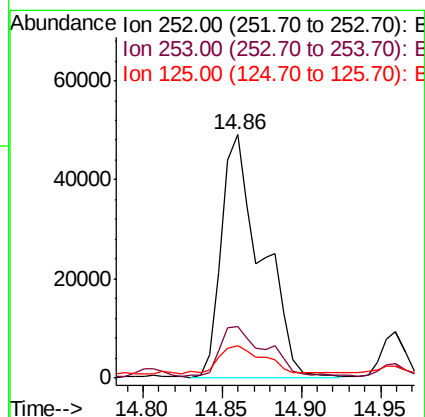
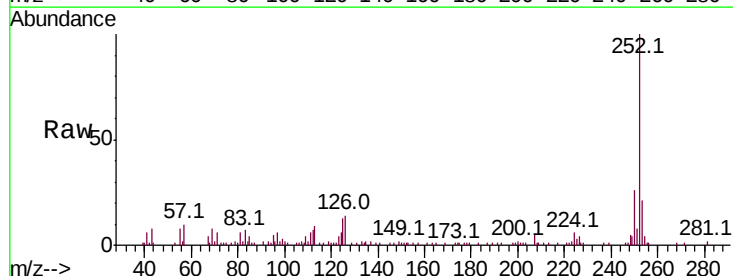
Instrument :
BNA_F
ClientSampleId :

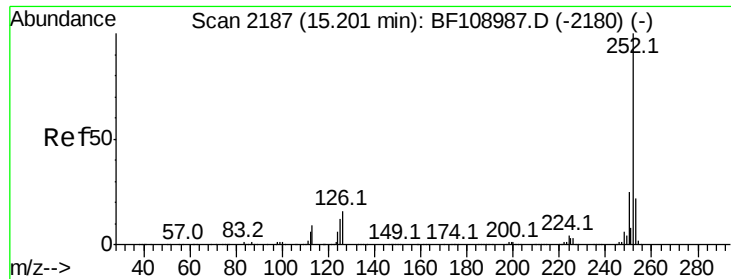
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.6
125	13.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 8.494 ng
RT: 14.86 min Scan# 2129
Delta R.T. -0.03 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.9	26.9
125	13.4	10.2	15.2

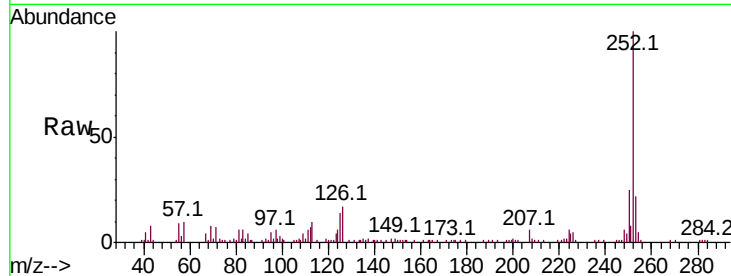




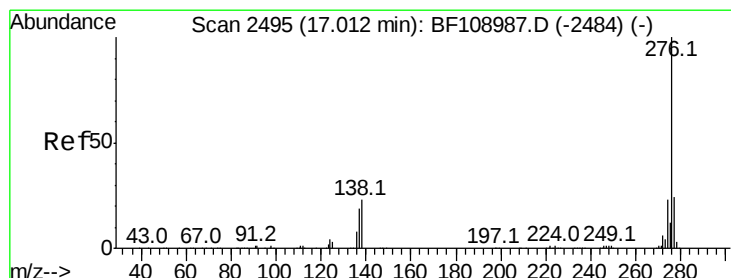
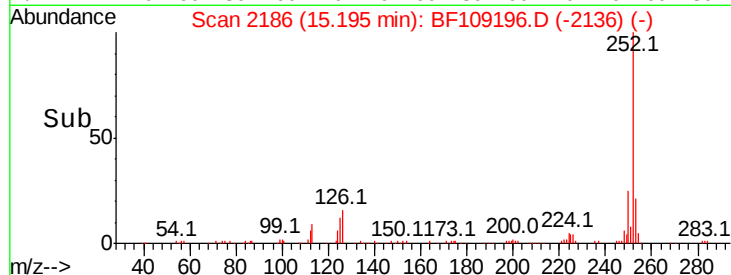
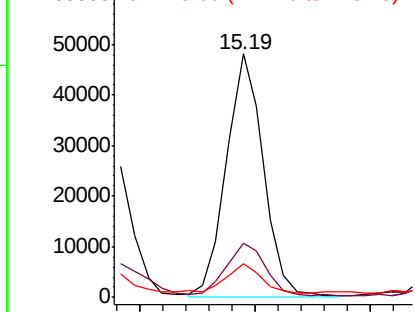
#89
Benzo(a)pyrene
Concen: 5.505 ng
RT: 15.19 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 53887
Ion Ratio Lower Upper
252 100
253 22.5 17.1 25.7
125 14.1 9.8 14.6

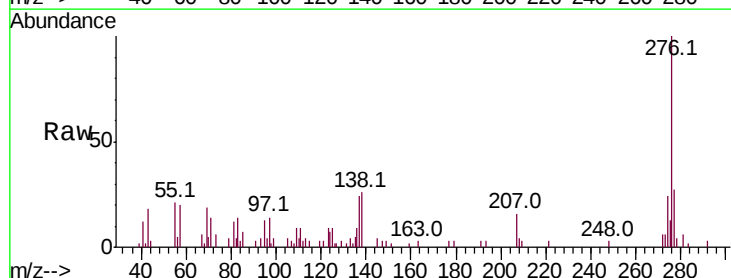


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.652 ng
RT: 17.01 min Scan# 2494
Delta R.T. -0.01 min
Lab File: BF109196.D
Acq: 20 Sep 2018 21:46

Tgt Ion:276 Resp: 30026
Ion Ratio Lower Upper
276 100
277 27.5 17.9 26.9#
138 25.7 21.8 32.8



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

