

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
 Data File : BF112350.D
 Acq On : 1 Feb 2019 14:41
 Operator : JU/SJ
 Sample : K1299-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 0035-COMP-1

Quant Time: Feb 01 16:15:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	148891	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	579715	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	290969	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	573606	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	394892	20.00	ng	-0.01
87) Perylene-d12	15.47	264	325153	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	921556	131.47	ng	0.00
7) Phenol-d6	6.49	99	1147217	117.78	ng	0.00
23) Nitrobenzene-d5	7.40	82	720221	71.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	384844	113.63	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1326985	64.50	ng	-0.01
79) Terphenyl-d14	12.94	244	1431916	68.30	ng	-0.01

Target Compounds

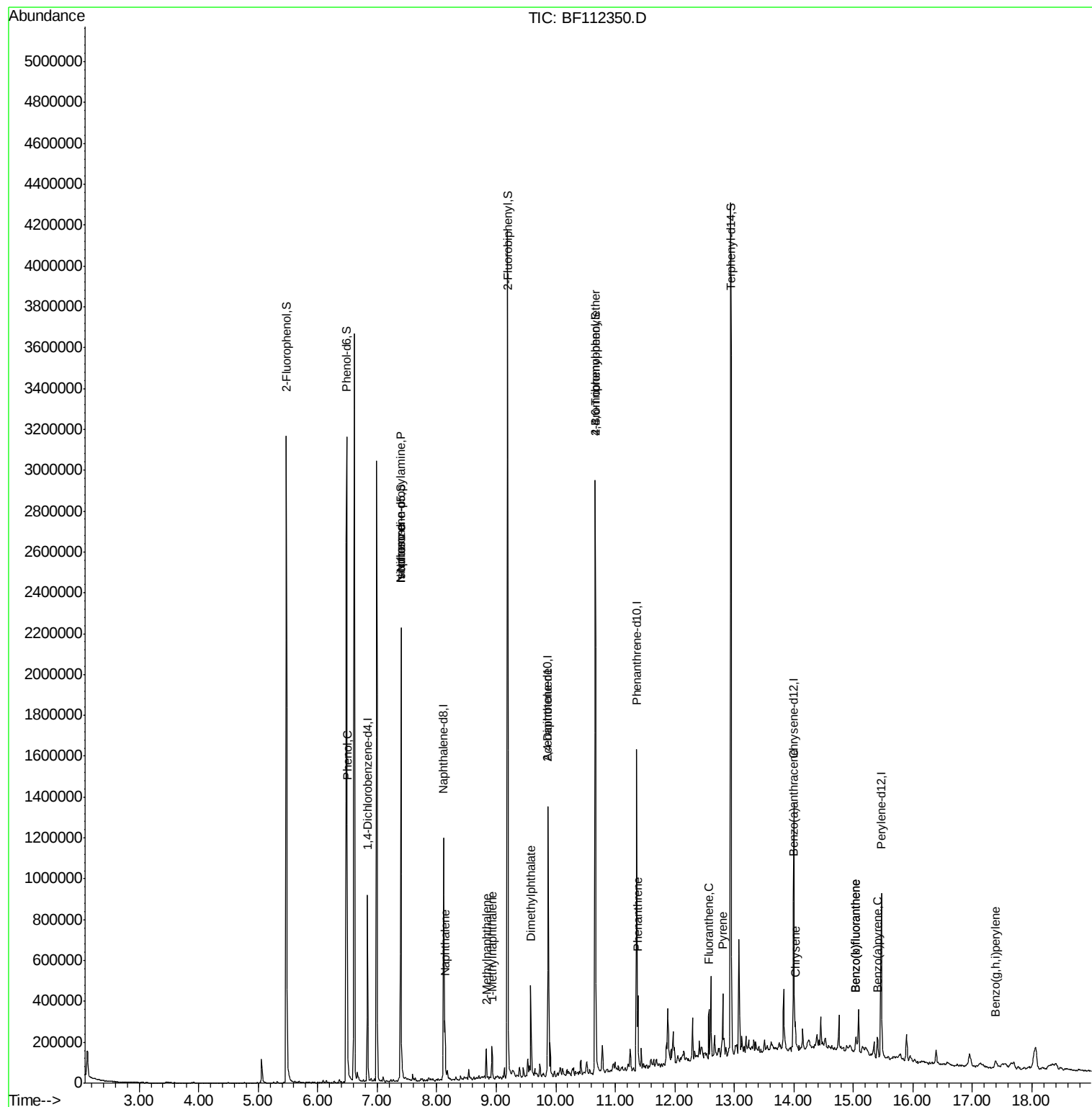
						Qvalue
10) Phenol	6.50	94	81483	7.625	ng	# 77
19) n-Nitroso-di-n-propylamine	7.40	70	94158	14.019	ng	# 76
25) Isophorone	7.40	82	720073	45.621	ng	# 64
31) Naphthalene	8.14	128	124443	4.590	ng	95
37) 2-Methylnaphthalene	8.83	142	48096	2.592	ng	99
38) 1-Methylnaphthalene	8.93	142	45060	2.533	ng	98
50) Dimethylphthalate	9.59	163	187212	8.281	ng	98
57) 2,4-Dinitrotoluene	9.87	165	39483	6.126	ng	# 31
67) 4-Bromophenyl-phenylether	10.66	248	23268	3.449	ng	# 1
71) Phenanthrene	11.38	178	126352	4.237	ng	98
75) Fluoranthene	12.57	202	89570	2.800	ng	97
78) Pvrene	12.80	202	115895	4.239	ng	97
81) Benzo(a)anthracene	13.99	228	51180	2.205	ng	98
83) Chrysene	14.03	228	50544	2.281	ng	98
88) Benzo(b)fluoranthene	15.04	252	56466	2.904	ng	# 94
89) Benzo(k)fluoranthene	15.04	252	56466	3.032	ng	95
90) Benzo(a)pvrene	15.40	252	46004	2.629	ng	94
92) Benzo(g,h,i)perylene	17.39	276	28302	2.127	ng	95

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

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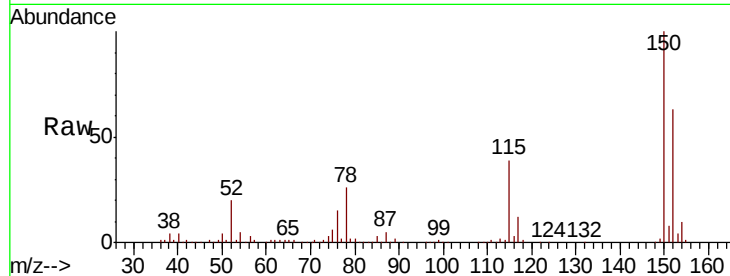


#1

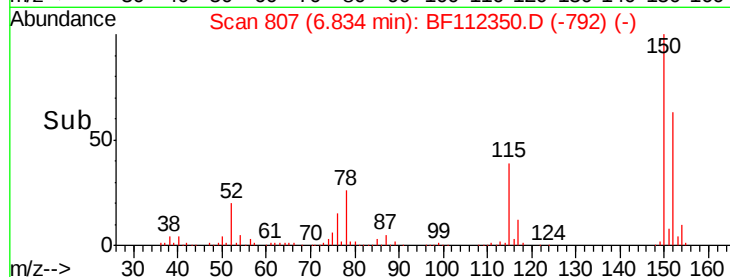
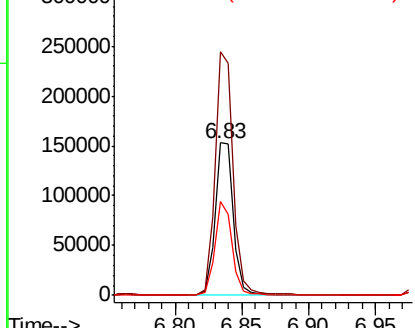
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion:152 Resp: 148891
Ion Ratio Lower Upper
152 100
150 160.0 127.4 191.0
115 61.9 45.5 68.3



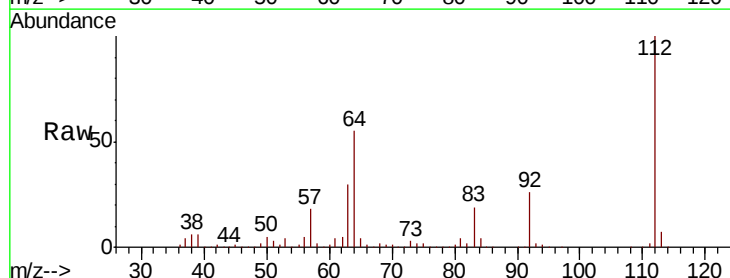
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



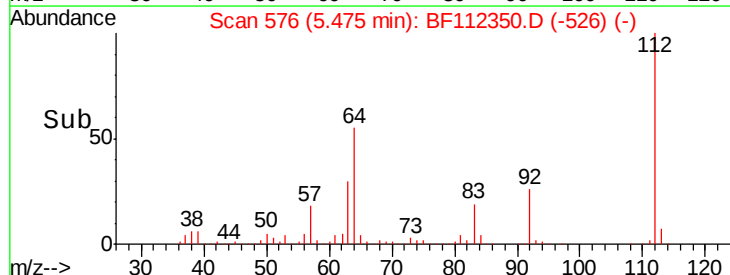
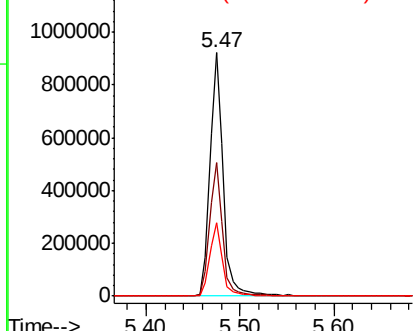
#5

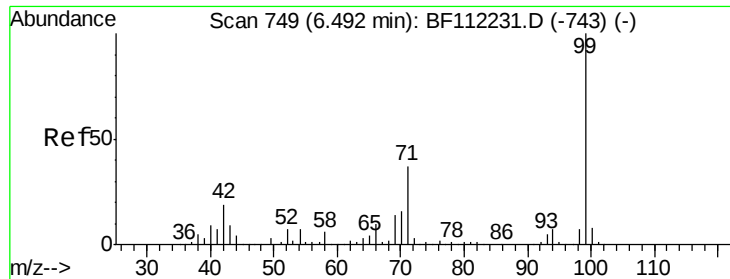
2-Fluorophenol
Concen: 131.468 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion:112 Resp: 921556
Ion Ratio Lower Upper
112 100
64 54.8 45.7 68.5
63 30.3 23.6 35.4



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: 117.780 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

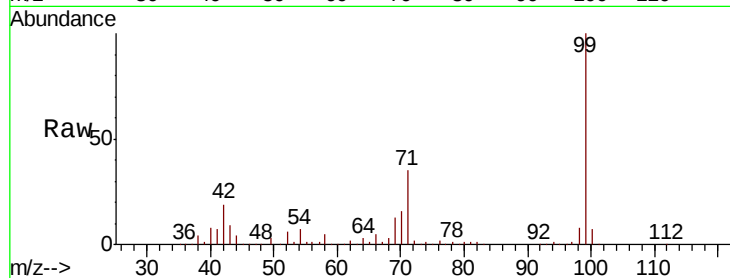
BNA_F

ClientSampleId :

0035-COMP-1

Tot Ion: 99 Resp: 1147217

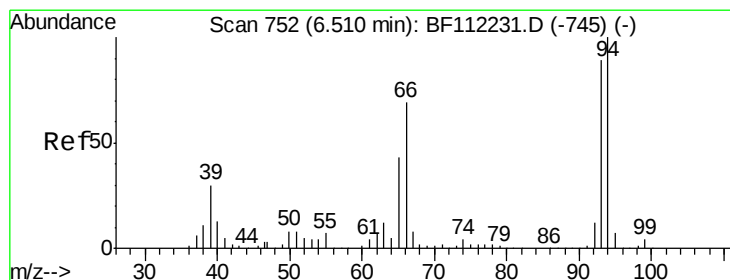
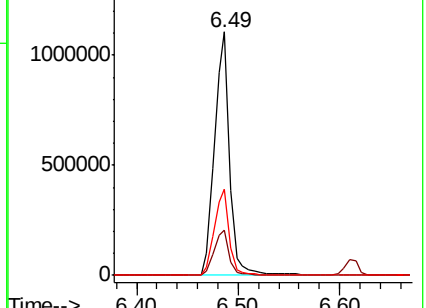
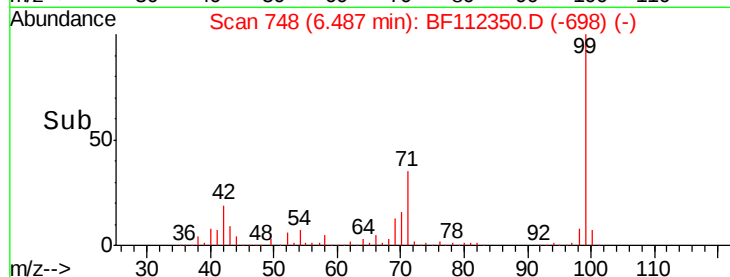
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.1	22.7
71	35.5	26.9	40.3



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



#10

Phenol

Concen: 7.625 ng

RT: 6.50 min Scan# 750

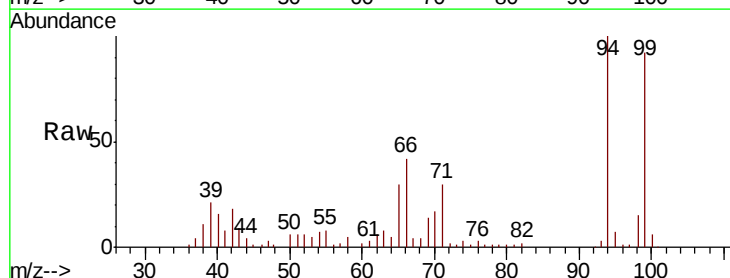
Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Tgt Ion: 94 Resp: 81483

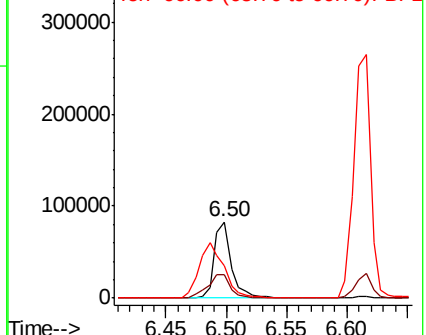
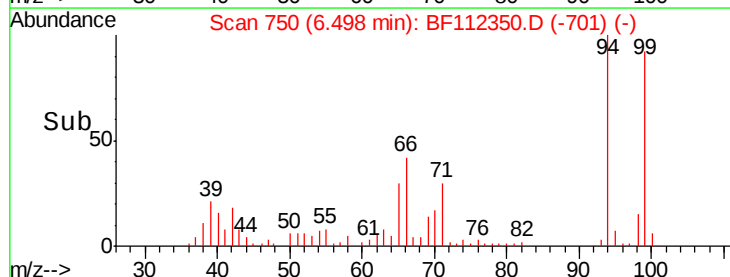
Ion	Ratio	Lower	Upper
94	100		
65	30.1	20.3	60.3
66	41.9	42.4	82.4#

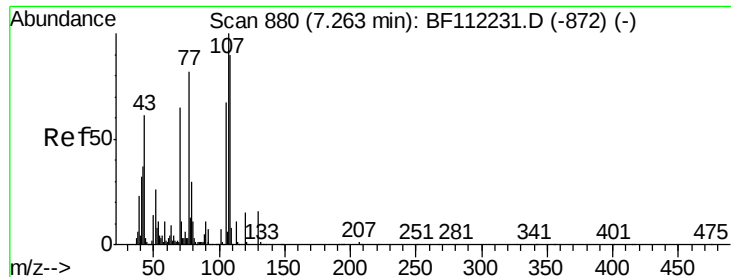


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

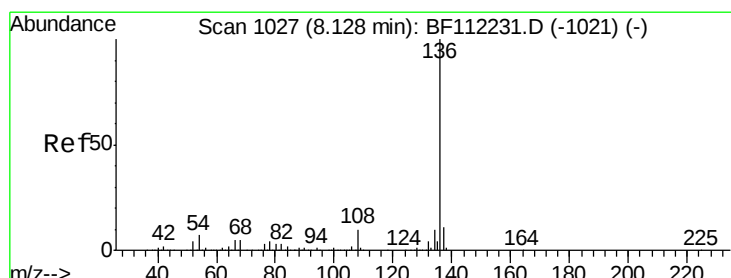
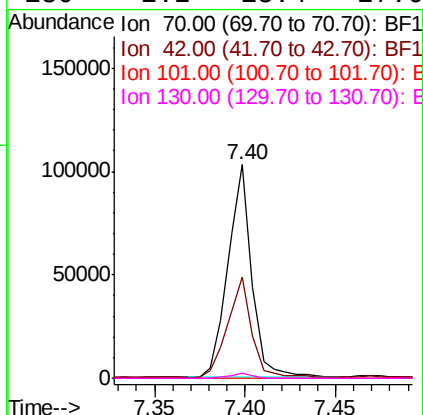
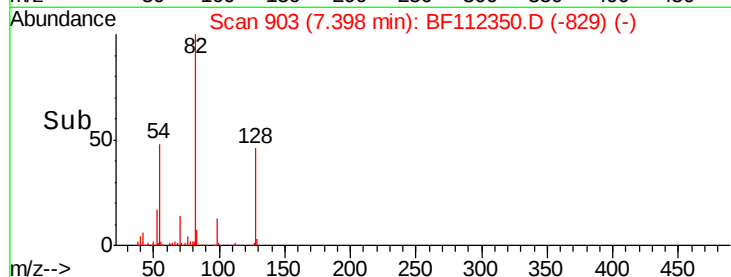
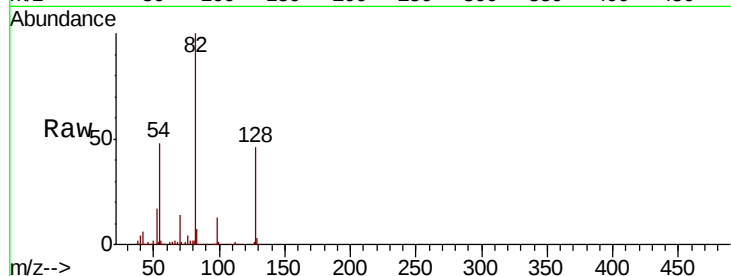




#19
n-Nitroso-di-n-propylamine
Concen: 14.019 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

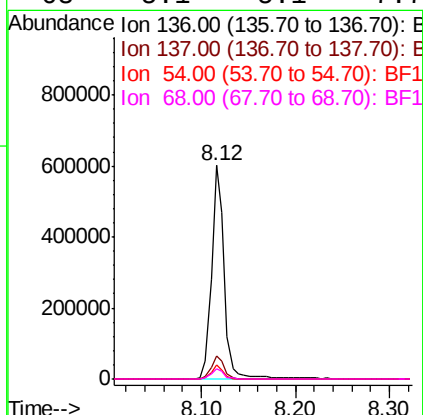
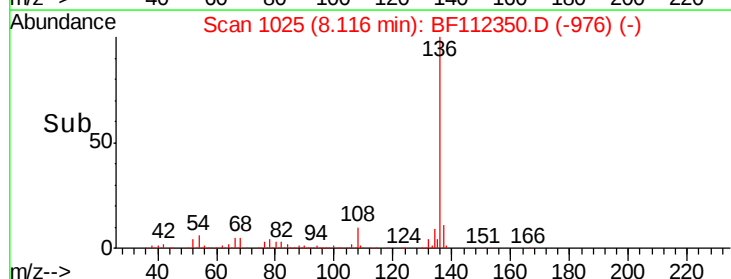
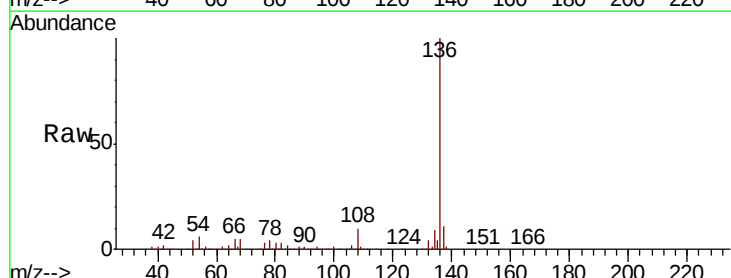
Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

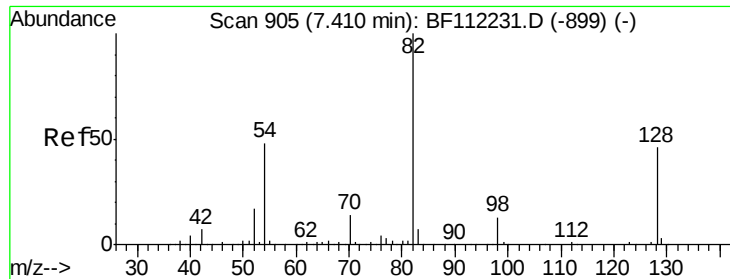
Tot Ion: 70 Resp: 94158
Ion Ratio Lower Upper
70 100
42 47.4 47.6 71.4#
101 0.0 7.9 11.9#
130 2.2 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion: 136 Resp: 579715
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.4 5.9 8.9
68 5.1 5.1 7.7#

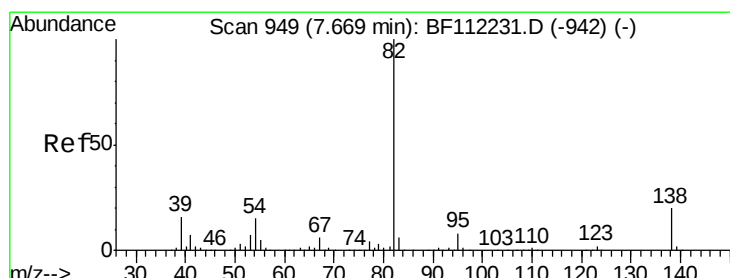
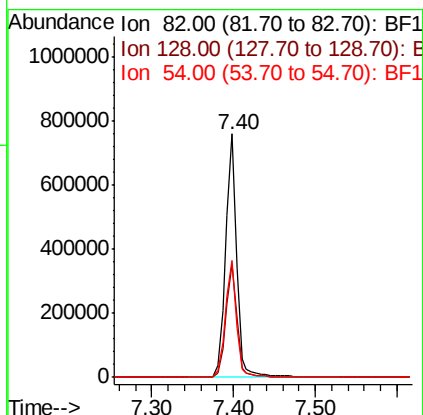
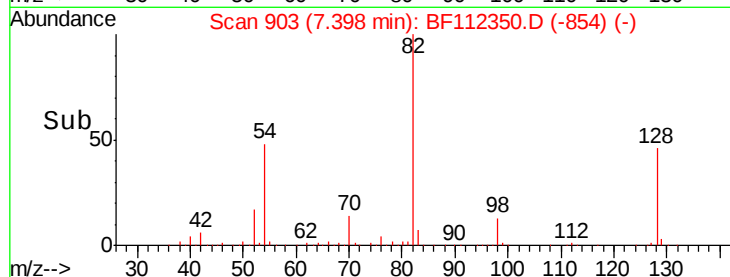
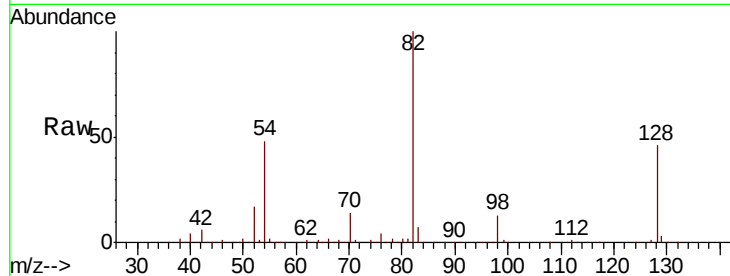




#23
Nitrobenzene-d5
Concen: 71.585 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

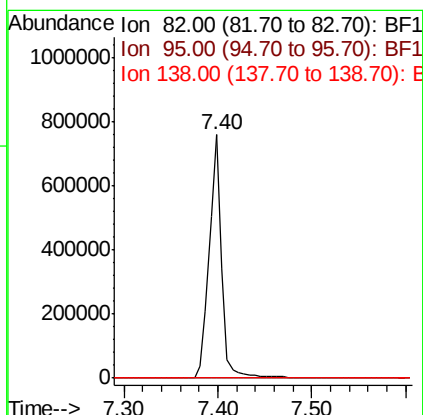
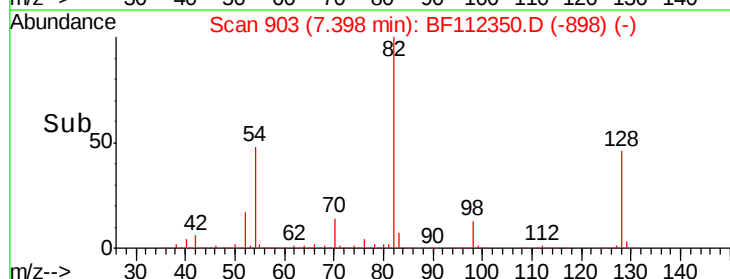
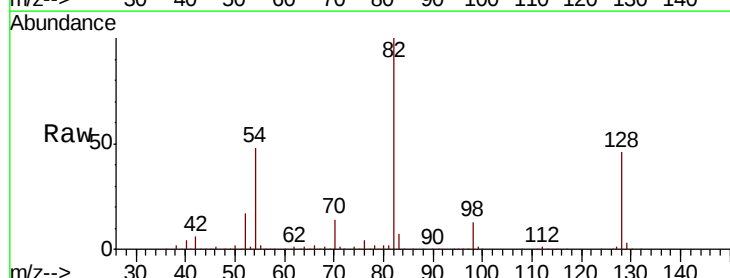
Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

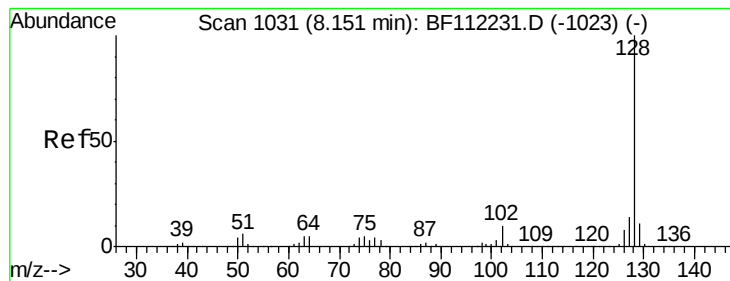
Tot Ion: 82 Resp: 720221
Ion Ratio Lower Upper
82 100
128 46.3 37.8 56.8
54 47.8 39.7 59.5



#25
Isophorone
Concen: 45.621 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion: 82 Resp: 720073
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#





#31

Naphthalene

Concen: 4.590 ng

RT: 8.14 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

ClientSampleId :

0035-COMP-1

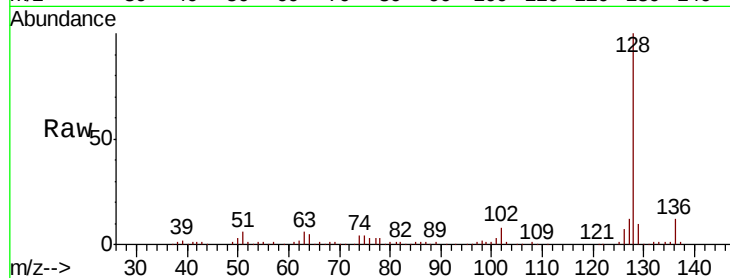
Tot Ion:128 Resp: 124443

Ion Ratio Lower Upper

128 100

129 9.7 9.6 14.4

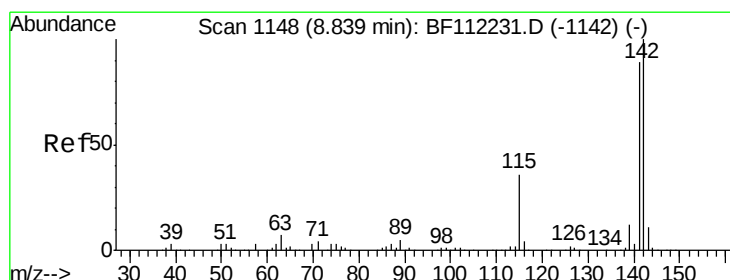
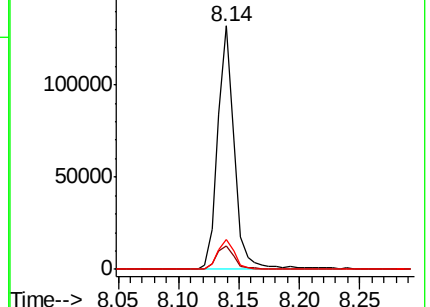
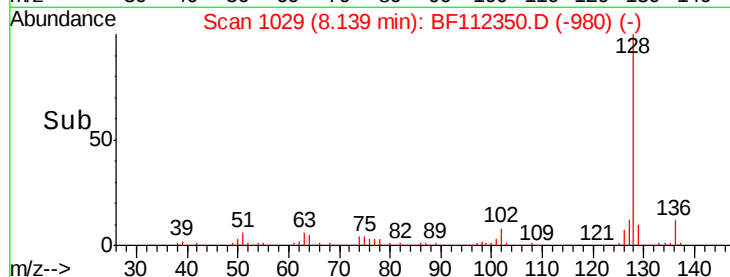
127 12.4 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 2.592 ng

RT: 8.83 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

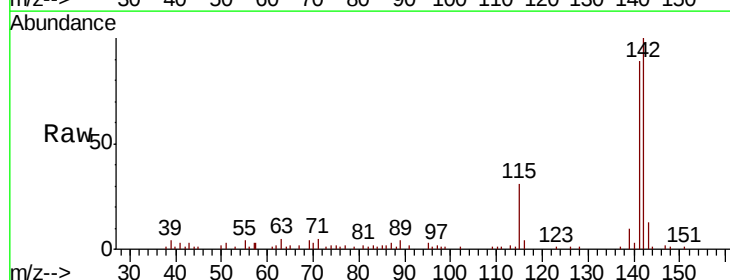
Tgt Ion:142 Resp: 48096

Ion Ratio Lower Upper

142 100

141 89.1 70.9 106.3

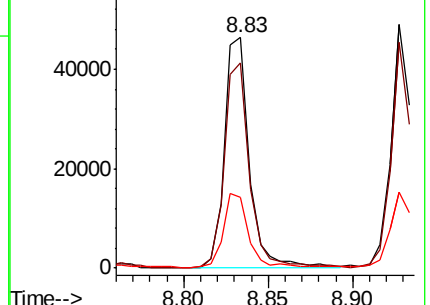
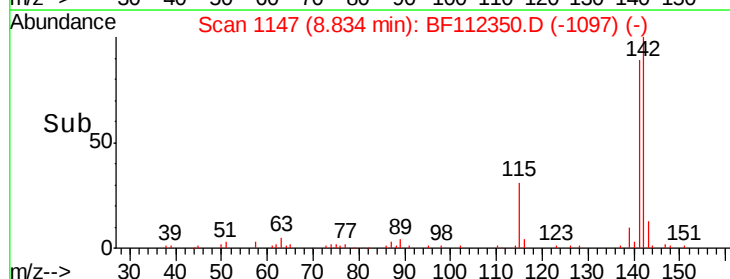
115 30.7 24.9 37.3

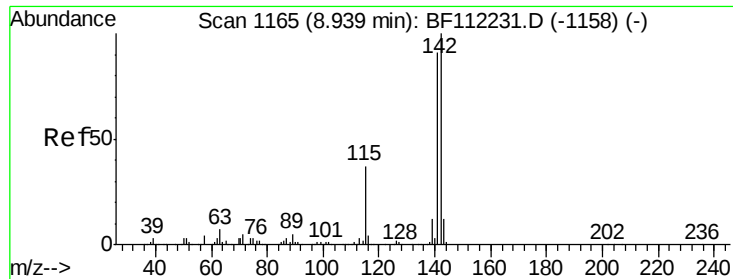


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

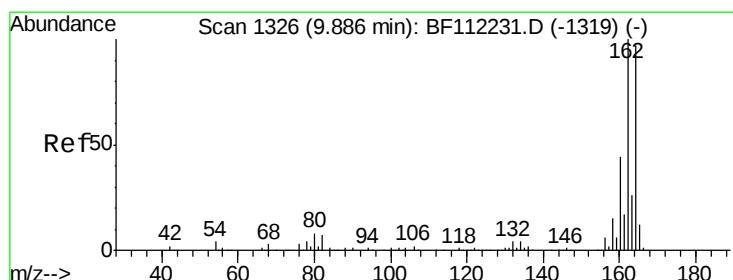
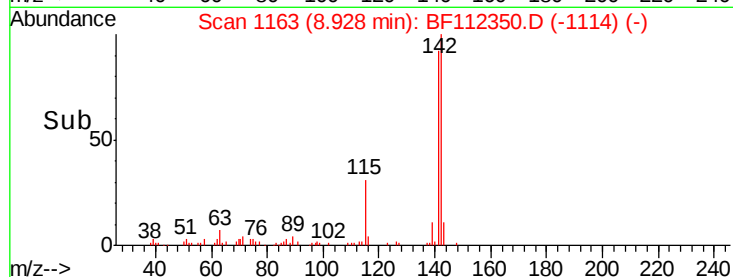
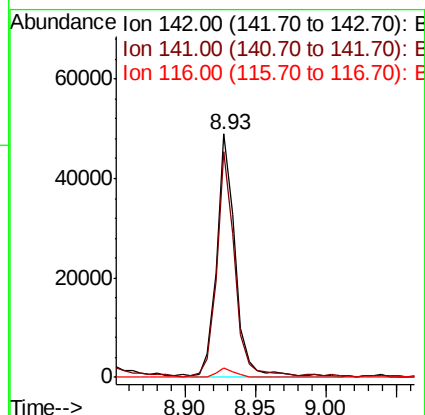
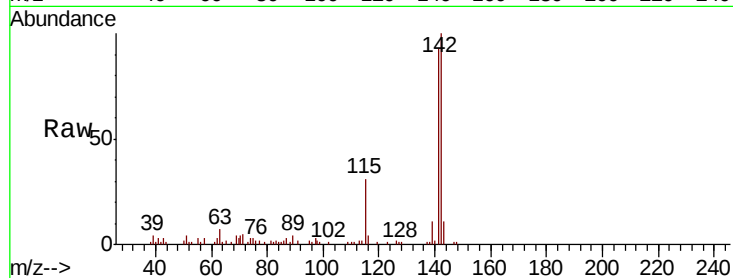




#38
1-Methylnaphthalene
Concen: 2.533 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

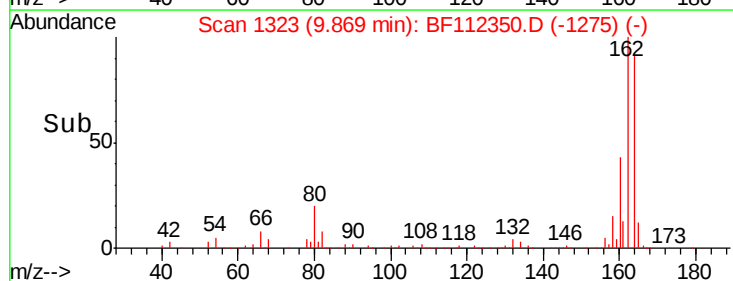
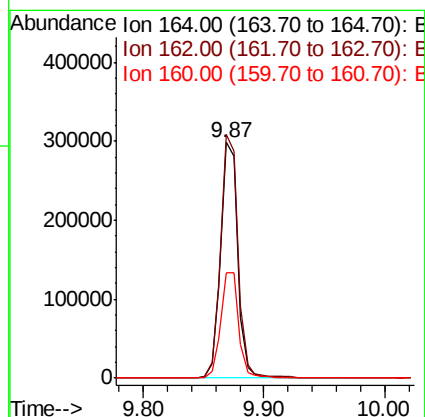
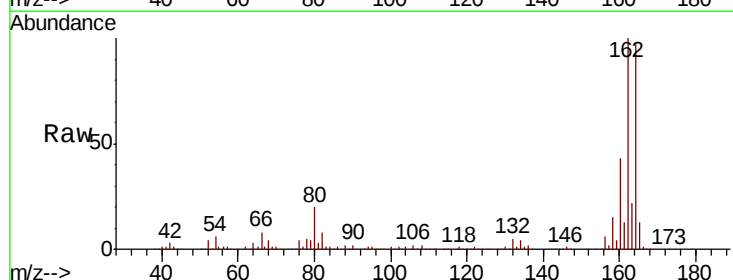
Instrument :
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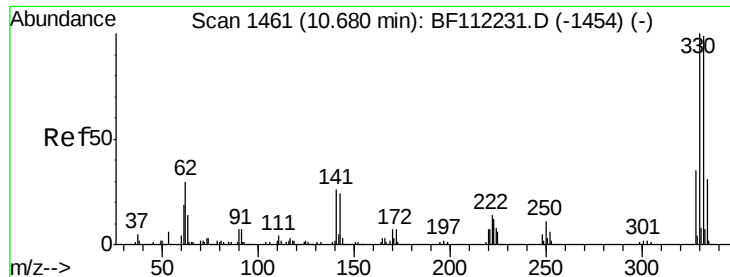
Tot Ion:142 Resp: 45060
Ion Ratio Lower Upper
142 100
141 92.6 72.6 108.8
116 3.8 2.8 4.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion:164 Resp: 290969
Ion Ratio Lower Upper
164 100
162 103.3 82.2 123.4
160 44.7 36.2 54.4





#42

2,4,6-Tribromophenol

Concen: 113.631 ng

RT: 10.66 min Scan# 1458

Delta R.T. -0.02 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

ClientSampleId :

0035-COMP-1

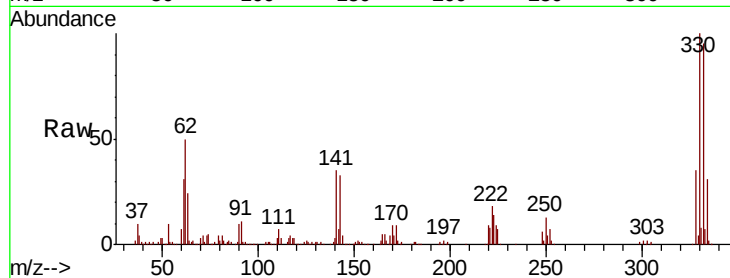
Tot Ion:330 Resp: 384844

Ion Ratio Lower Upper

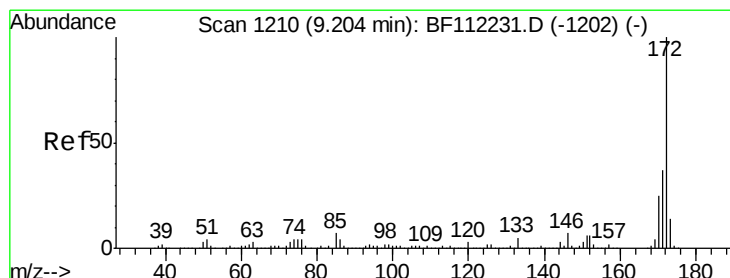
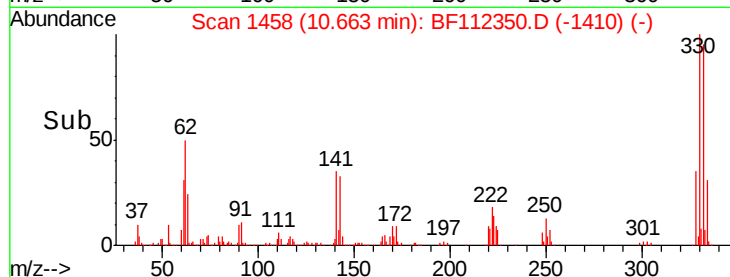
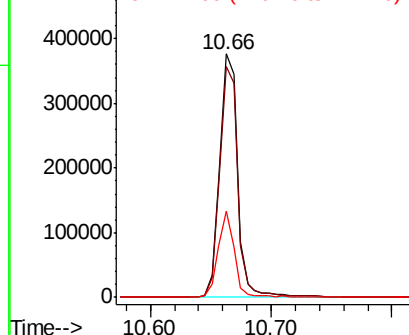
330 100

332 96.0 76.6 114.8

141 32.4 24.3 36.5



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: 64.502 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

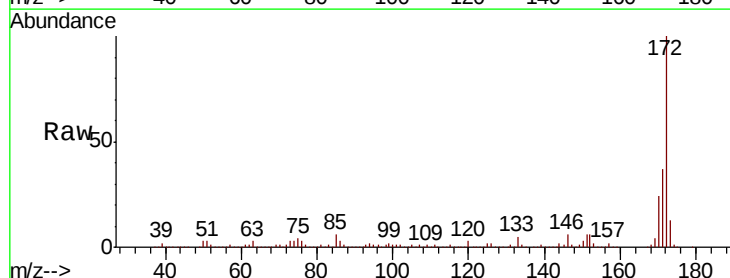
Tgt Ion:172 Resp: 1326985

Ion Ratio Lower Upper

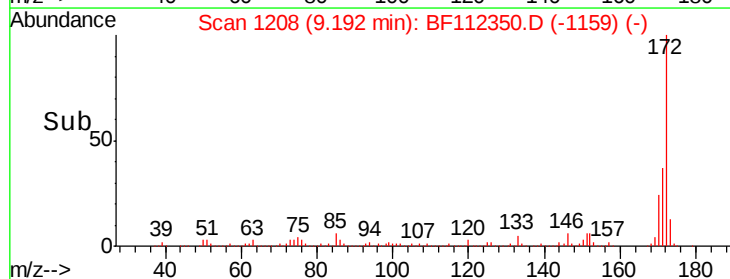
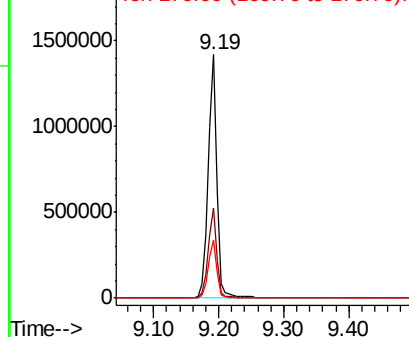
172 100

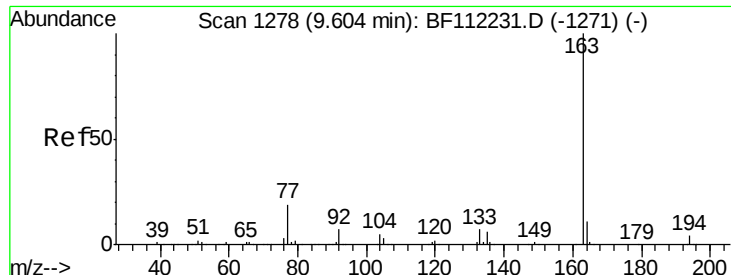
171 37.1 30.5 45.7

170 24.1 20.2 30.4



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

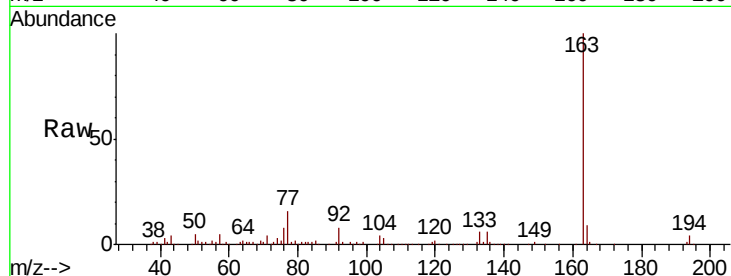




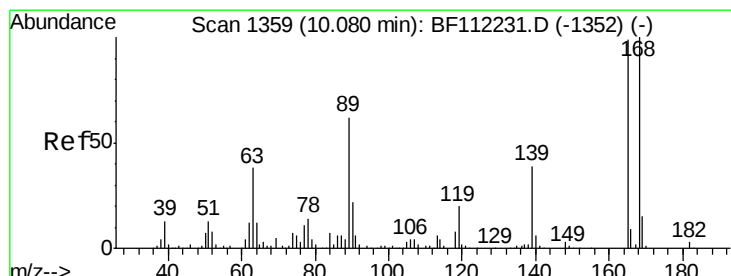
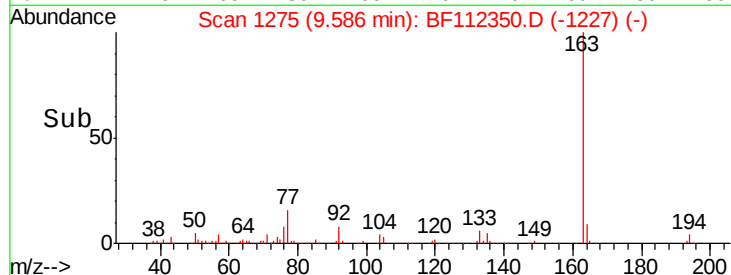
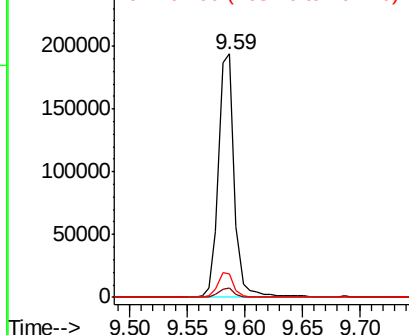
#50
Dimethylphthalate
Concen: 8.281 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.3	4.9
164	9.5	8.5	12.7



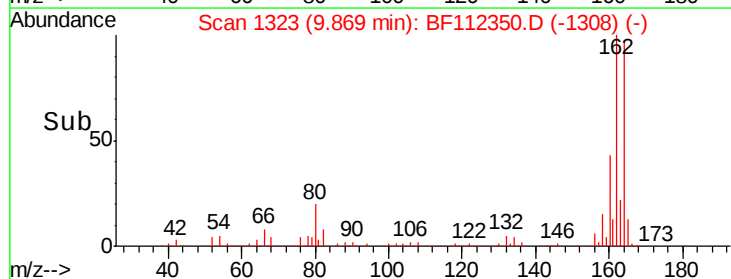
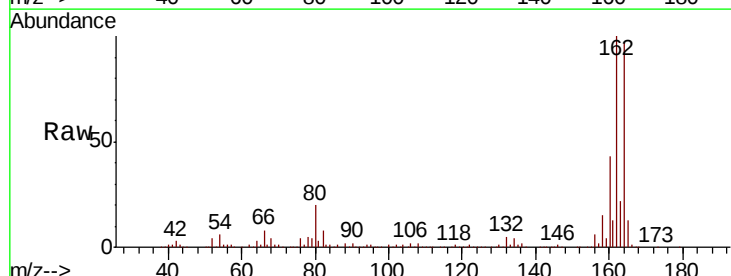
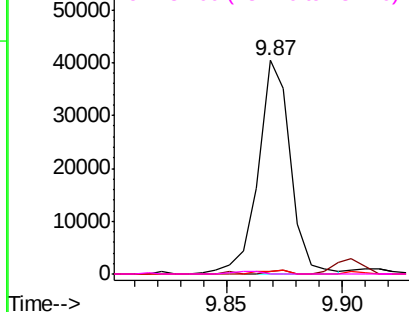
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

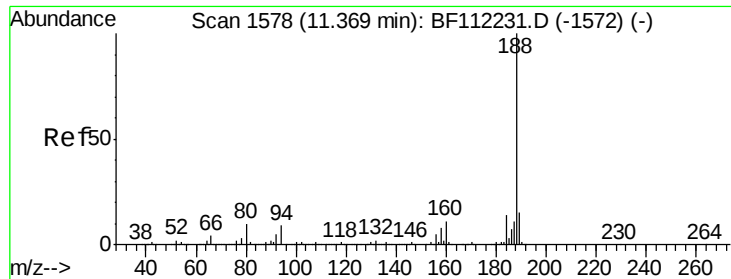


#57
2,4-Dinitrotoluene
Concen: 6.126 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.21 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	27.9	41.9#
89	1.4	47.9	71.9#
182	0.0	2.2	3.4#

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

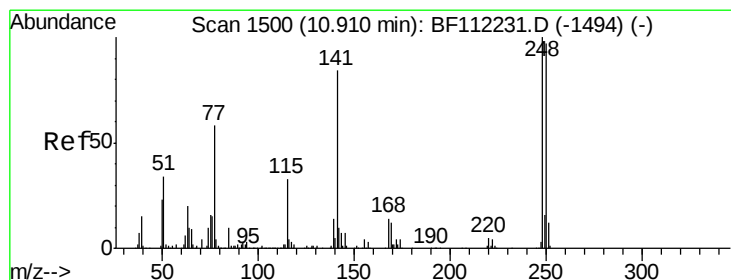
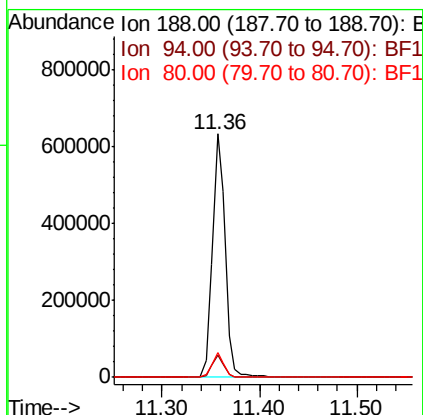
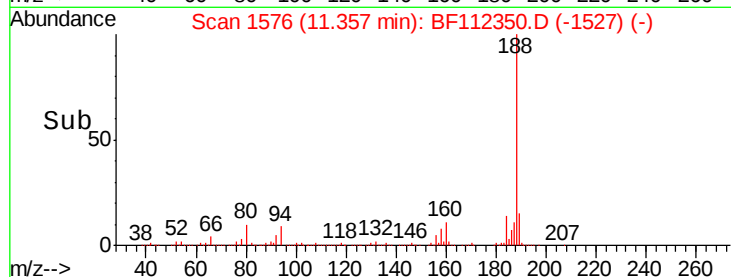
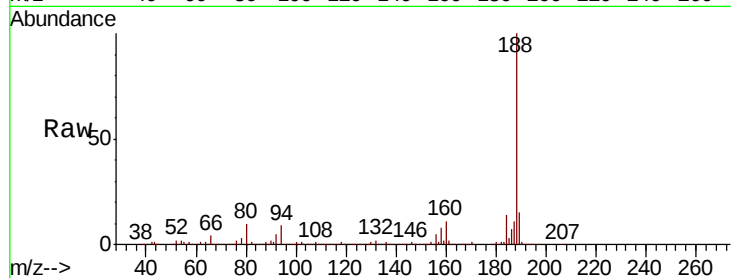




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

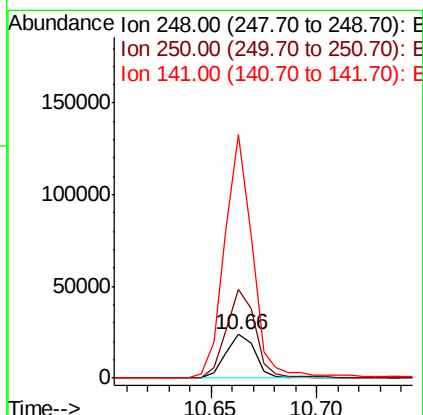
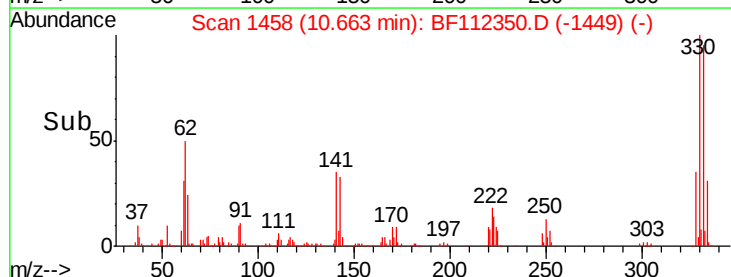
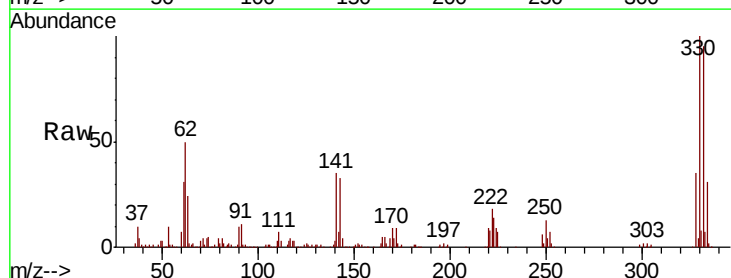
Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

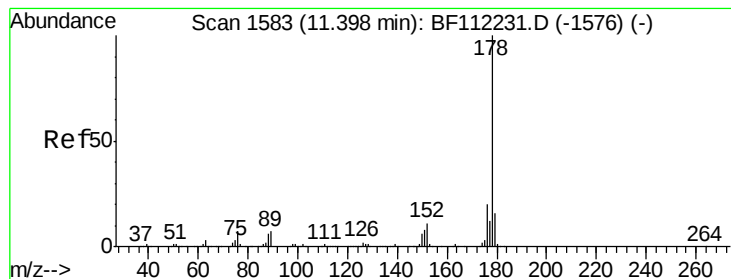
Tot Ion:188 Resp: 573606
Ion Ratio Lower Upper
188 100
94 9.3 8.2 12.2
80 10.0 8.9 13.3



#67
4-Bromophenyl-phenylether
Concen: 3.449 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion:248 Resp: 23268
Ion Ratio Lower Upper
248 100
250 201.5 79.7 119.5#
141 556.3 60.3 90.5#





#71

Phenanthrene

Concen: 4.237 ng

RT: 11.38 min Scan# 1580

Delta R.T. -0.02 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

ClientSampleId :

0035-COMP-1

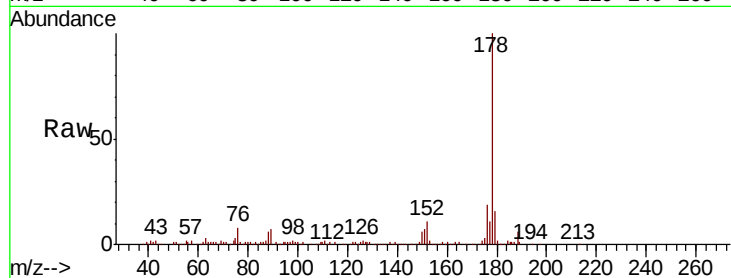
Tot Ion:178 Resp: 126352

Ion Ratio Lower Upper

178 100

176 18.8 16.3 24.5

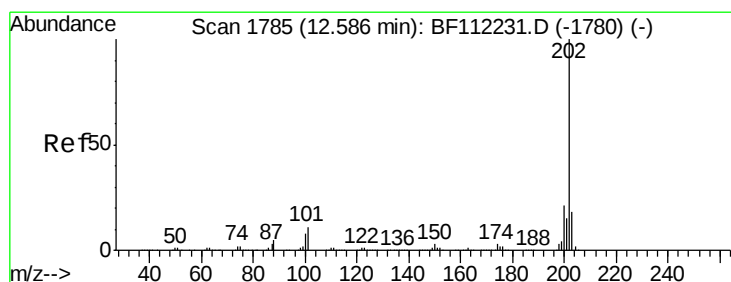
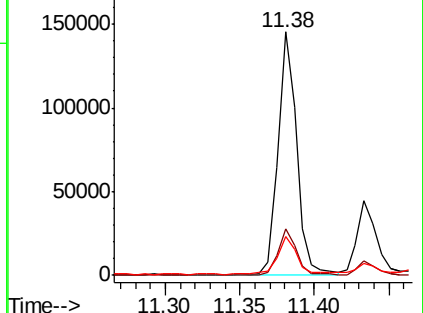
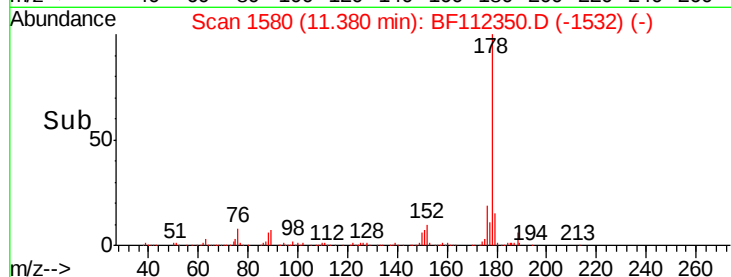
179 15.8 13.0 19.4



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: 2.800 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

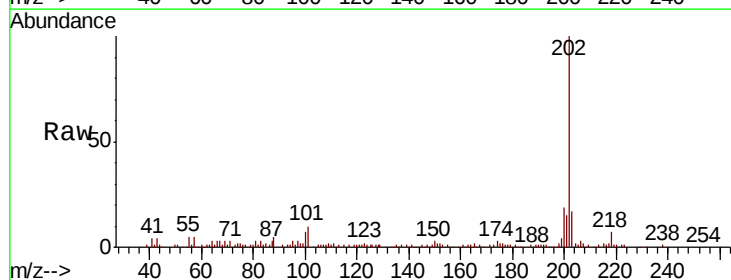
Tgt Ion:202 Resp: 89570

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.8

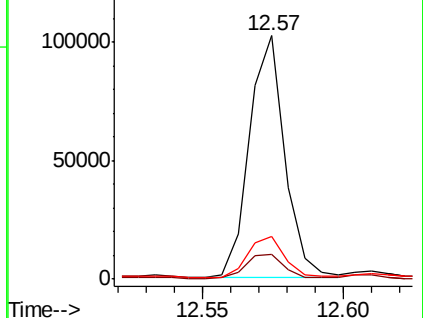
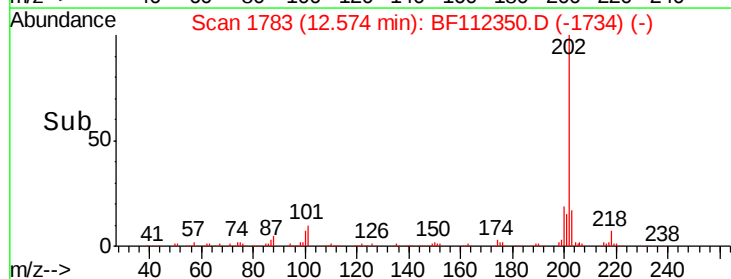
203 17.5 0.0 38.4

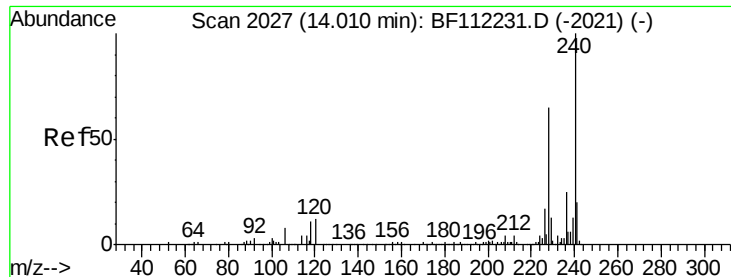


Abundance Ion 202.00 (201.70 to 202.70): E

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: 14.00 min Scan# 2025

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

ClientSampleId :

0035-COMP-1

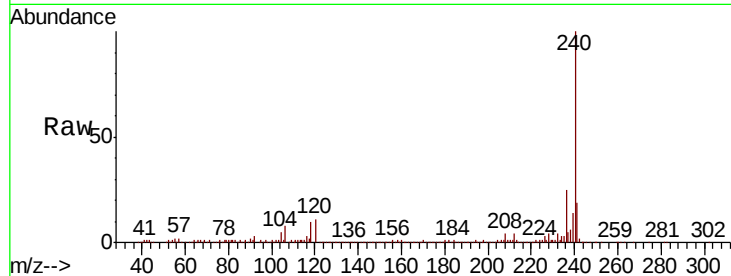
Tot Ion:240 Resp: 394892

Ion Ratio Lower Upper

240 100

120 11.1 9.0 13.6

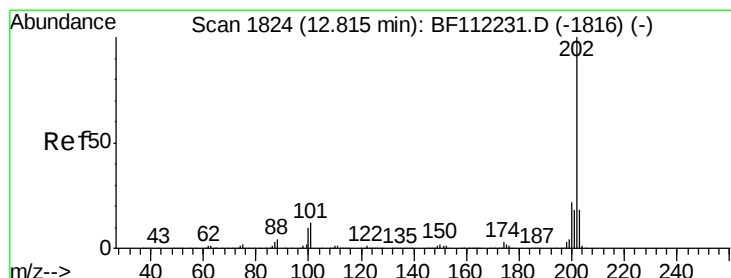
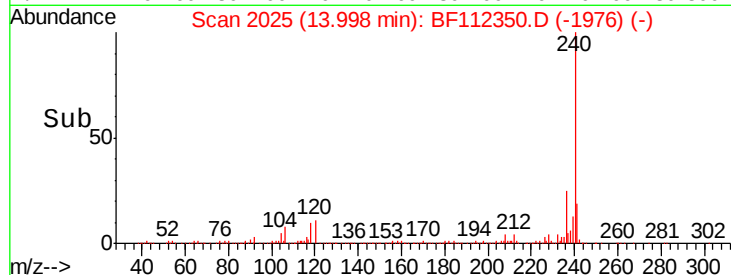
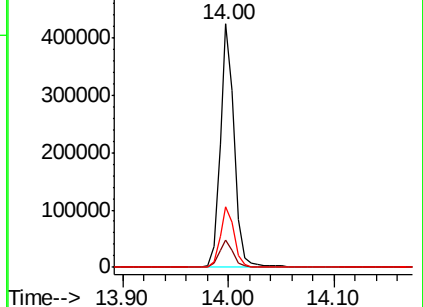
236 24.8 20.7 31.1



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

Pyrene

Concen: 4.239 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

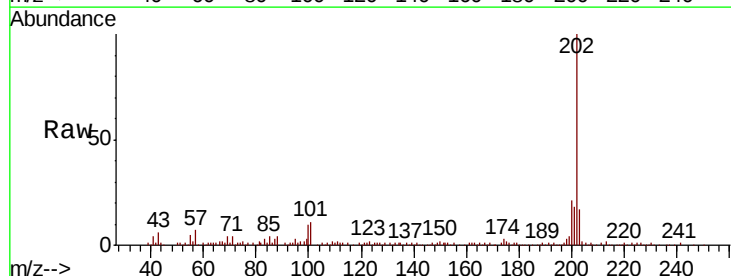
Tgt Ion:202 Resp: 115895

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

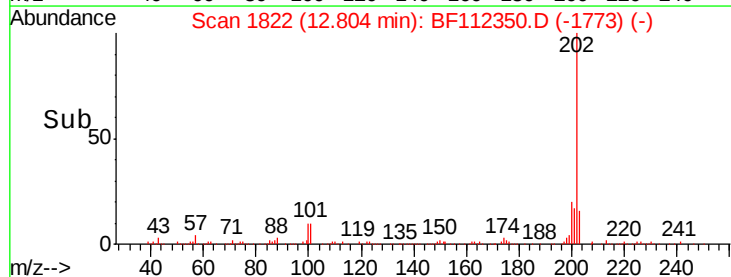
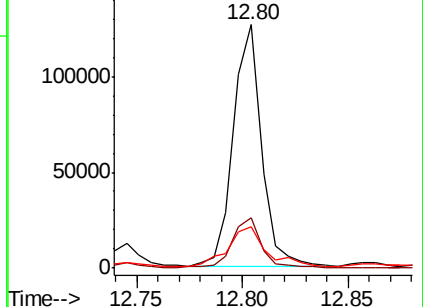
203 17.2 14.6 22.0

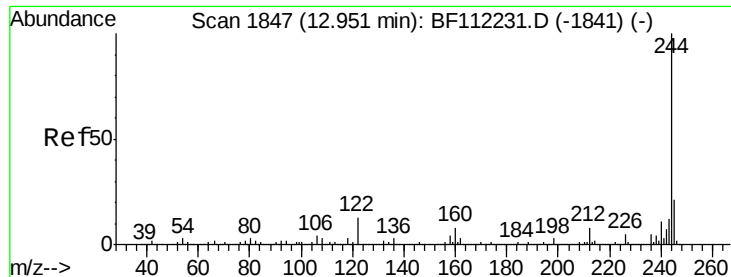


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 68.296 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

Instrument :

BNA_F

ClientSampleId :

0035-COMP-1

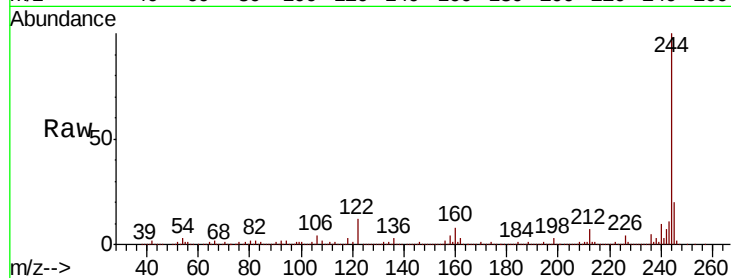
Tot Ion:244 Resp: 1431916

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

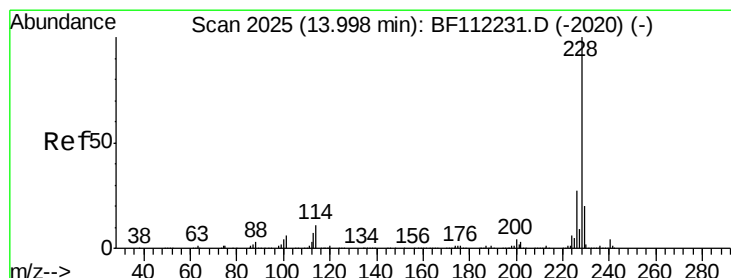
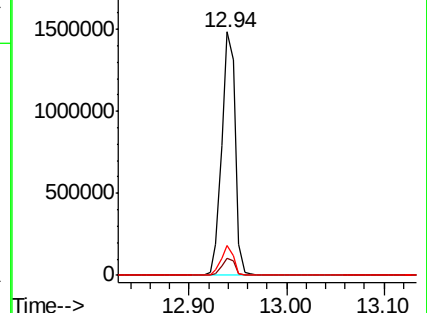
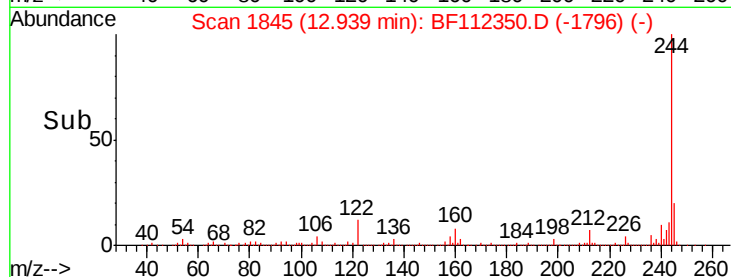
122 12.3 9.8 14.6



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



#81

Benzo(a)anthracene

Concen: 2.205 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF112350.D

Acq: 1 Feb 2019 14:41

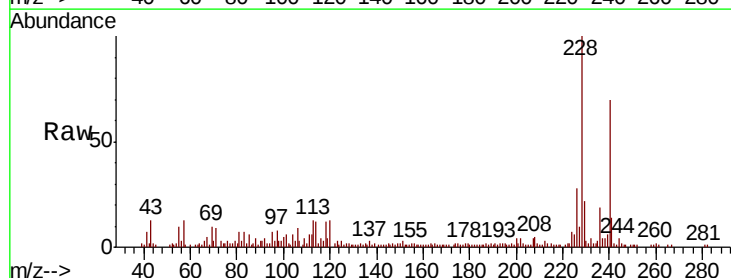
Tgt Ion:228 Resp: 51180

Ion Ratio Lower Upper

228 100

226 28.0 22.6 34.0

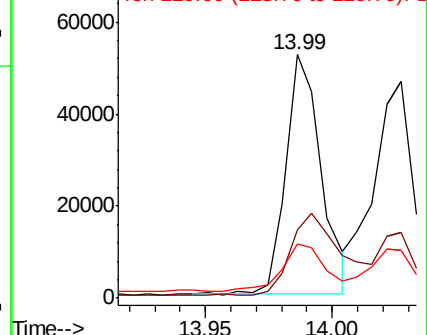
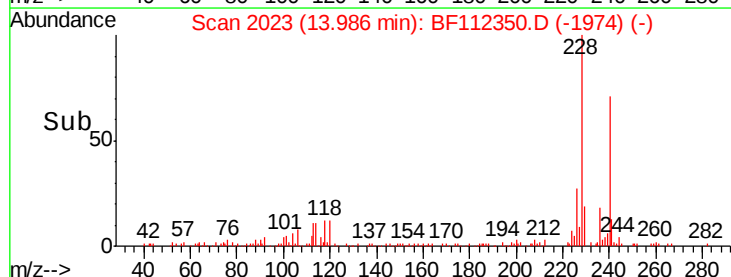
229 22.4 16.5 24.7

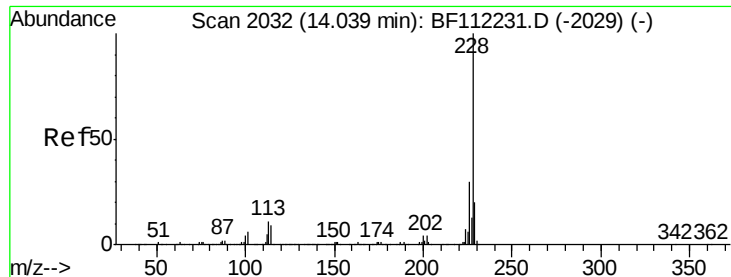


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

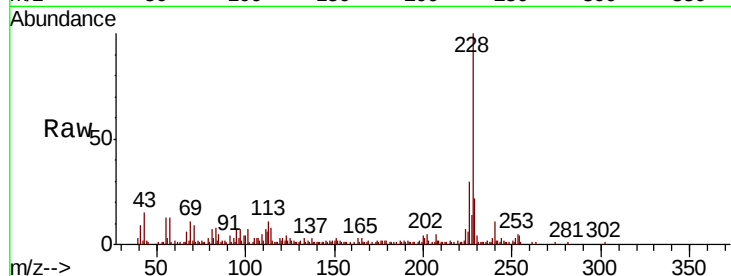




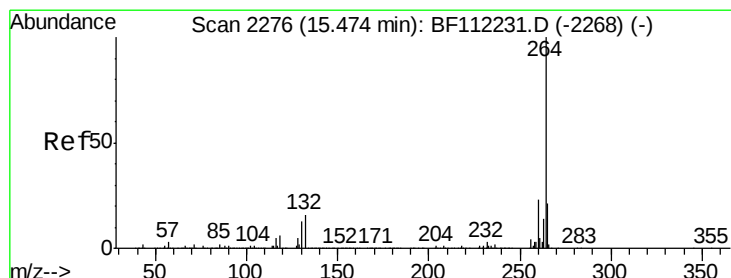
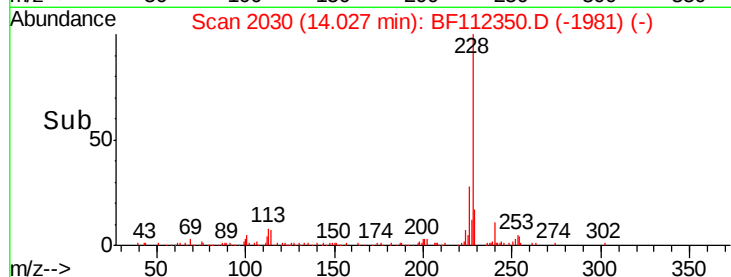
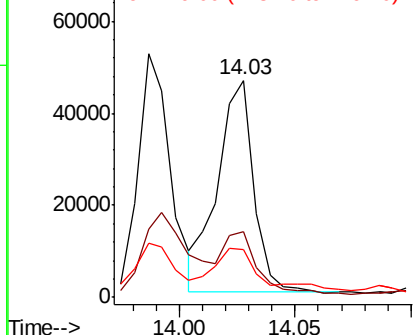
#83
Chrysene
Concen: 2.281 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion:228 Resp: 50544
Ion Ratio Lower Upper
228 100
226 30.1 25.0 37.6
229 21.8 16.6 24.8

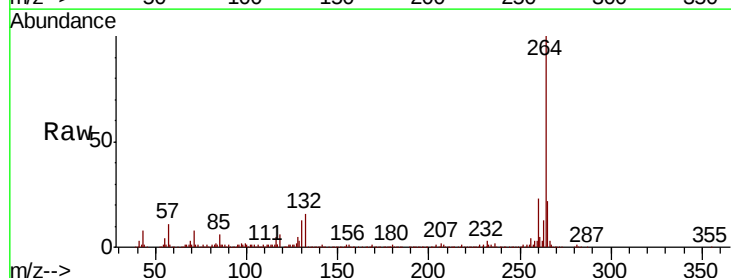


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

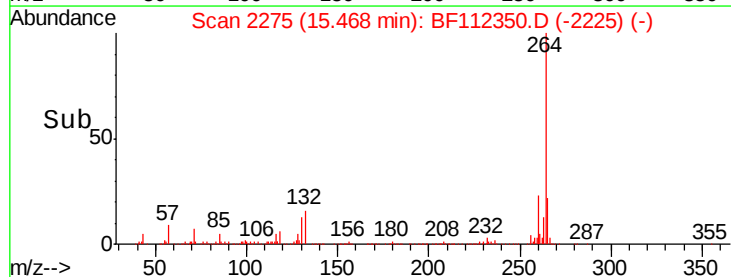
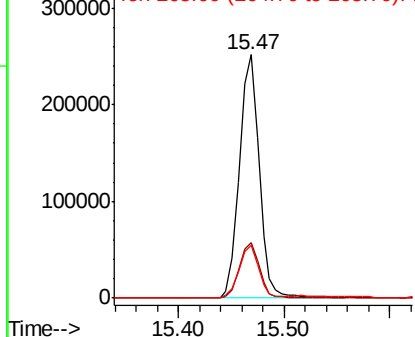


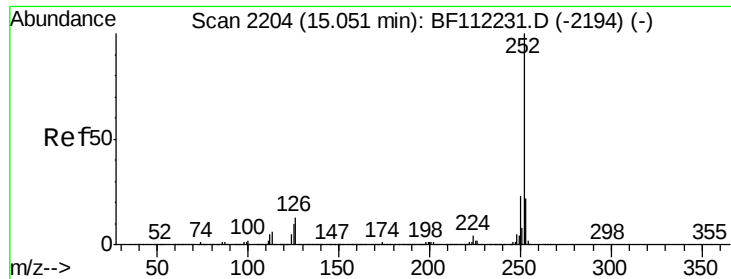
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion:264 Resp: 325153
Ion Ratio Lower Upper
264 100
260 22.9 18.2 27.2
265 21.8 17.0 25.4



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

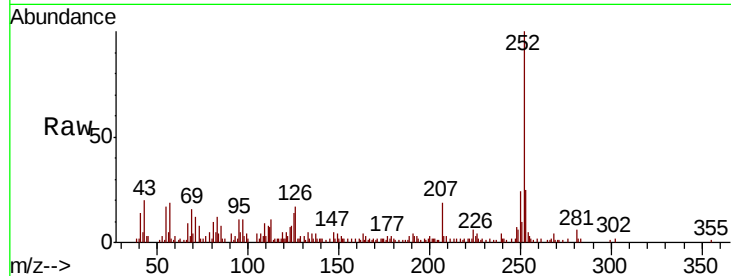




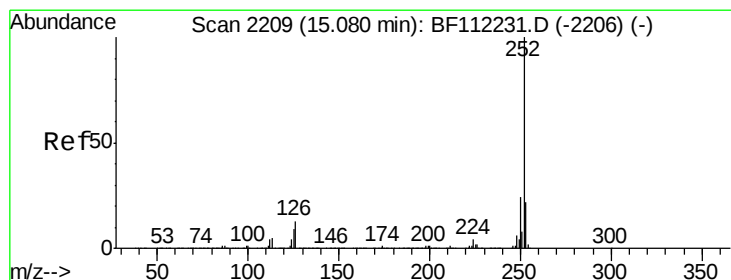
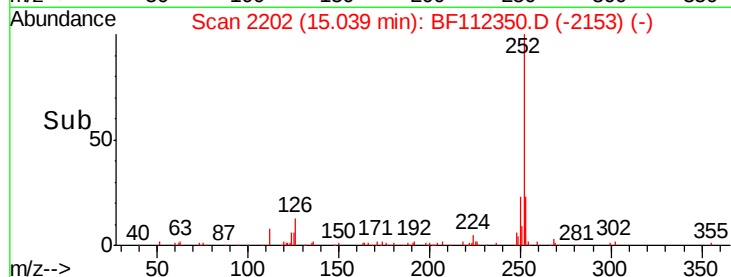
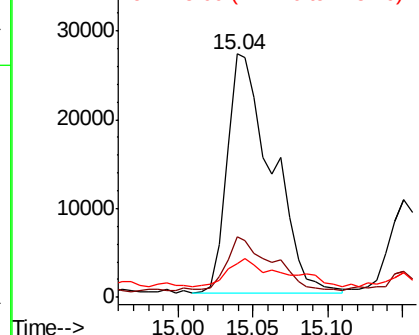
#88
Benzo(b)fluoranthene
Concen: 2.904 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion:252 Resp: 56466
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 13.7 8.7 13.1#

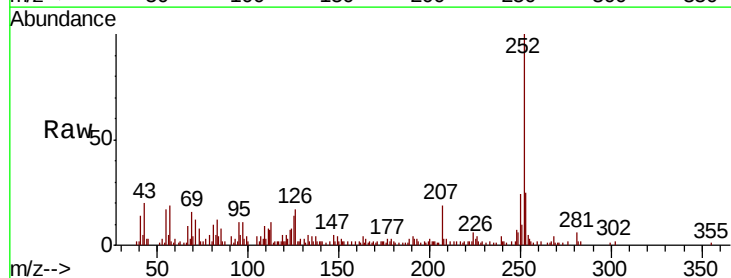


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

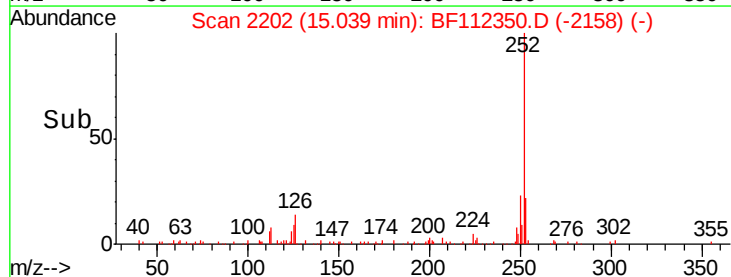
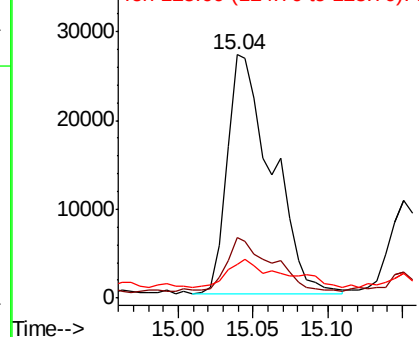


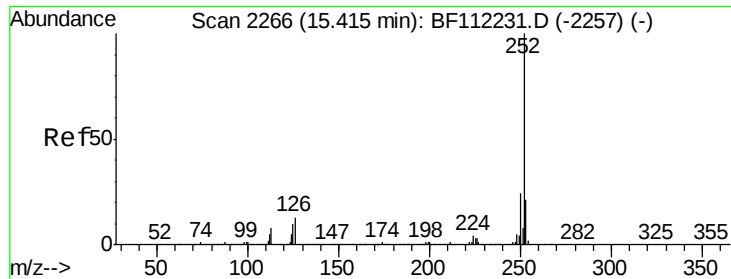
#89
Benzo(k)fluoranthene
Concen: 3.032 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.04 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion:252 Resp: 56466
Ion Ratio Lower Upper
252 100
253 24.9 18.0 27.0
125 13.7 9.1 13.7



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

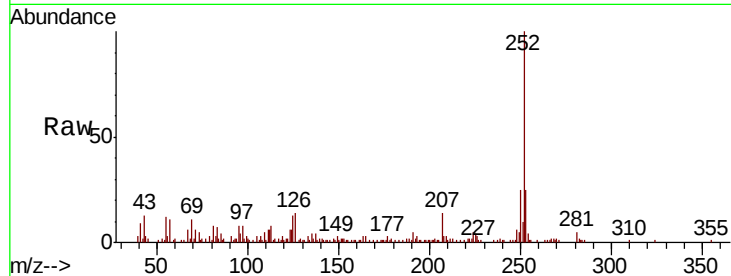




#90
Benzo(a)pyrene
Concen: 2.629 ng
RT: 15.40 min Scan# 2264
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Instrument :
BNA_F
ClientSampleId :
0035-COMP-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.5	26.3
125	13.1	9.0	13.4

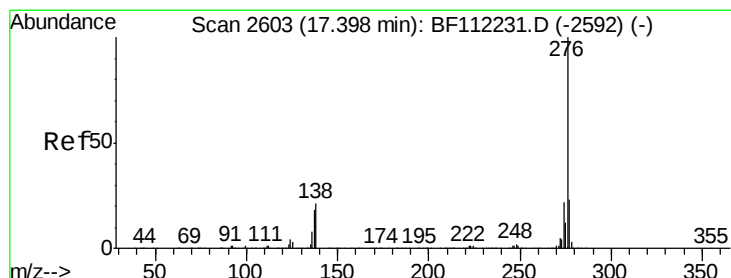
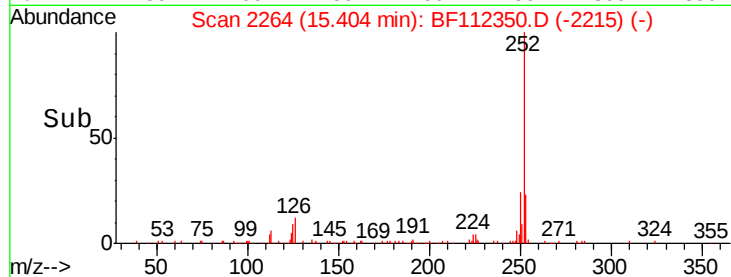
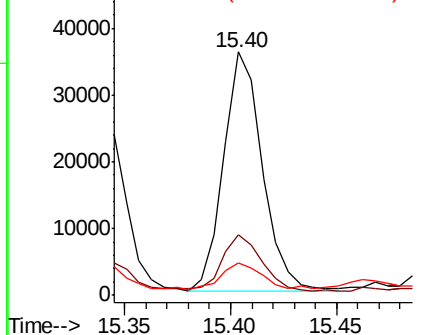


Abundance

Ion 252.00 (251.70 to 252.70): E

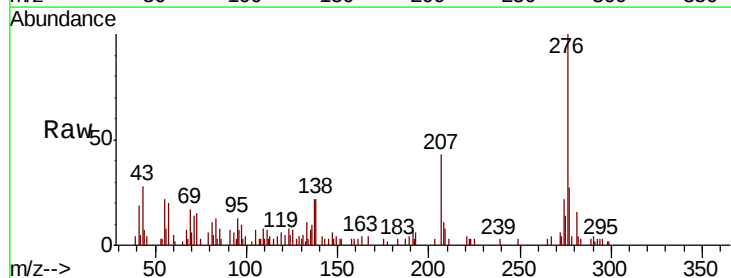
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.127 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.01 min
Lab File: BF112350.D
Acq: 1 Feb 2019 14:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.4	29.0
138	22.2	19.1	28.7



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

