

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020819\
 Data File : BF112463.D
 Acq On : 8 Feb 2019 16:53
 Operator : JU/SJ
 Sample : K1409-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-09(0-2)

Quant Time: Feb 09 04:57:27 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	135255	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	505217	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	230118	20.00	ng	-0.02
64) Phenanthrene-d10	11.36	188	389268	20.00	ng	-0.01
76) Chrysene-d12	14.01	240	271797	20.00	ng	0.00
87) Perylene-d12	15.50	264	273397	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	708823	111.31	ng	-0.01
7) Phenol-d6	6.49	99	887619	100.32	ng	0.00
23) Nitrobenzene-d5	7.40	82	553706	63.15	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	219365	81.90	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1031159	63.38	ng	-0.02
79) Terphenyl-d14	12.94	244	743082	51.49	ng	-0.01

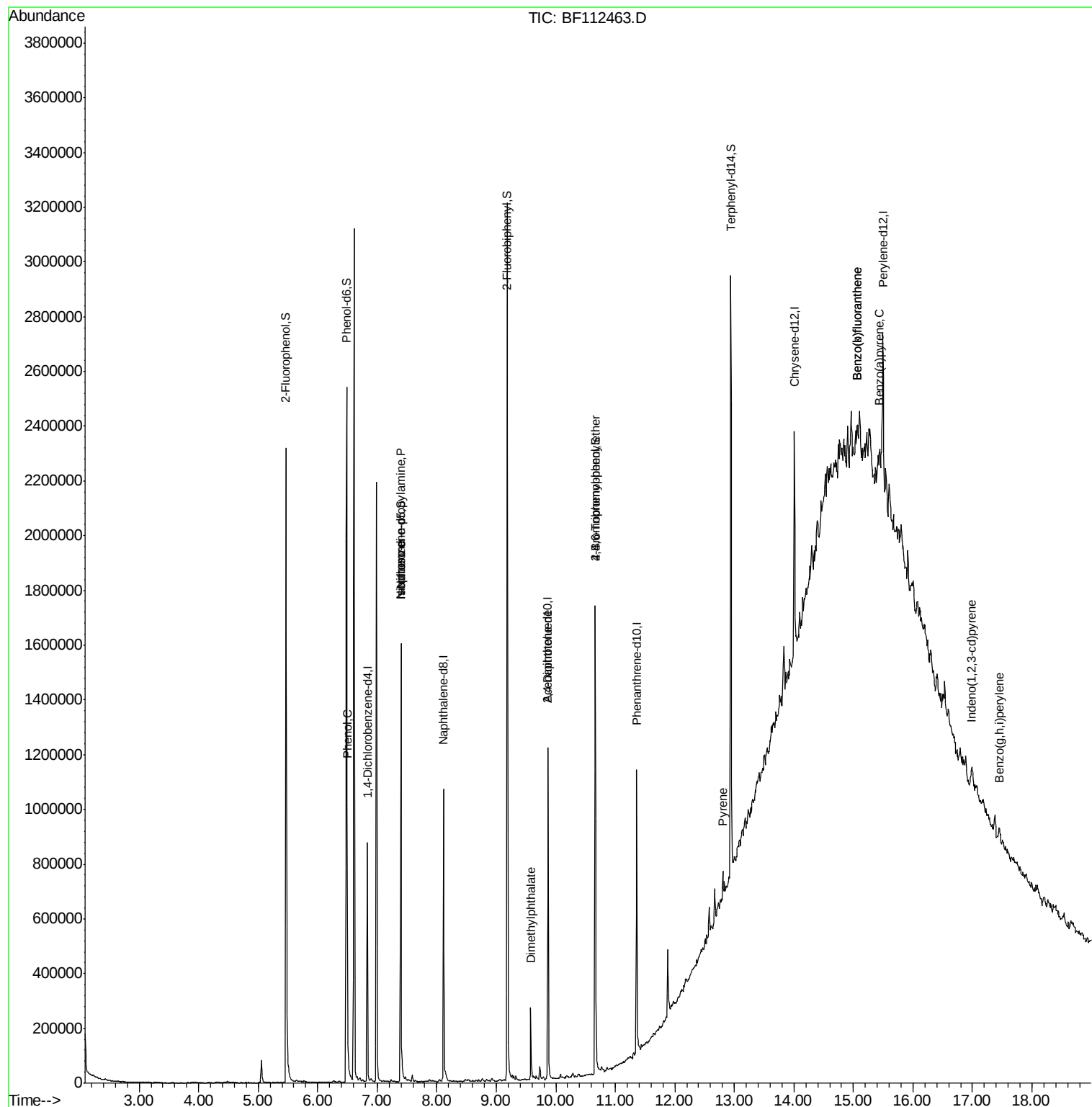
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	49870	5.137	ng	83
19) n-Nitroso-di-n-propylamine	7.40	70	75681	12.404	ng	# 73
25) Isophorone	7.40	82	553700	40.254	ng	# 64
50) Dimethylphthalate	9.58	163	112091	6.269	ng	99
57) 2,4-Dinitrotoluene	9.87	165	29946	5.874	ng	# 33
67) 4-Bromophenyl-phenylether	10.66	248	12204	2.666	ng	# 1
78) Pyrene	12.80	202	46124	2.451	ng	# 92
86) Indeno(1,2,3-cd)pyrene	17.00	276	25108	2.078	ng	96
88) Benzo(b)fluoranthene	15.06	252	59995	3.669	ng	# 42
89) Benzo(k)fluoranthene	15.06	252	59995	3.831	ng	# 42
90) Benzo(a)pyrene	15.43	252	30429	2.068	ng	# 32
92) Benzo(a,h,i)perylene	17.45	276	33783	3.020	ng	# 84

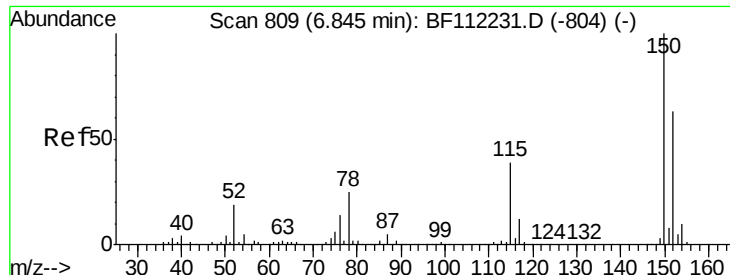
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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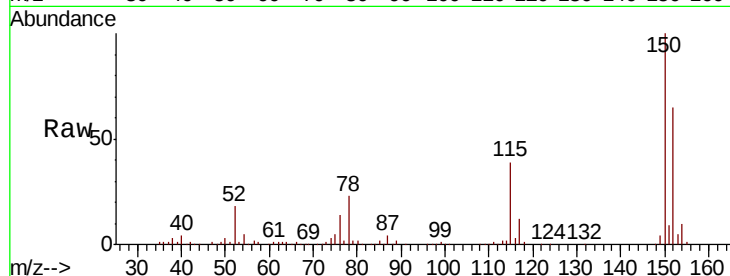


#1

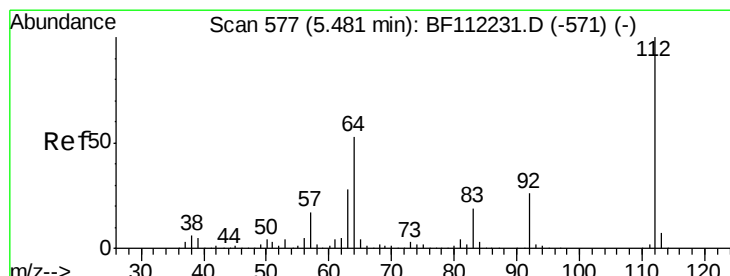
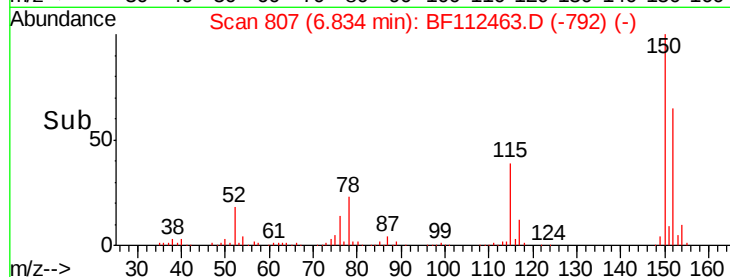
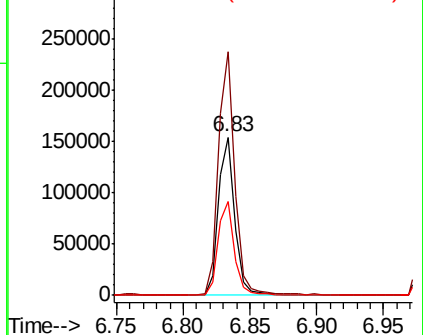
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

Tot Ion:152 Resp: 135255
Ion Ratio Lower Upper
152 100
150 153.7 127.4 191.0
115 59.4 45.5 68.3



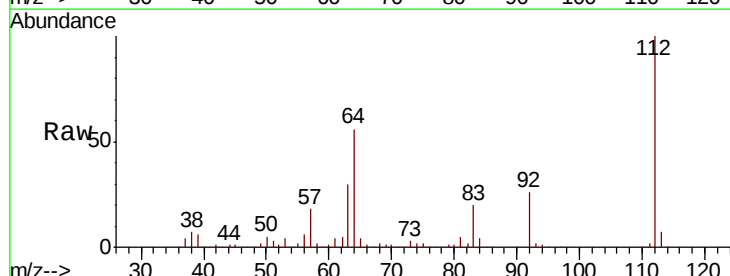
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



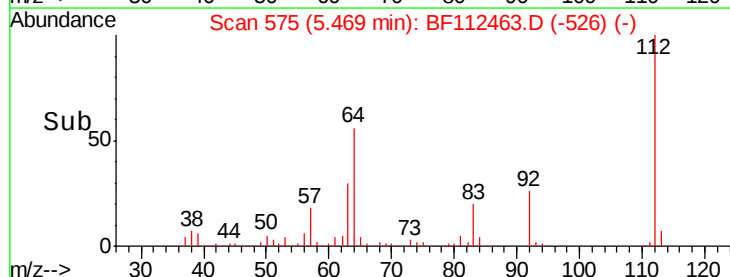
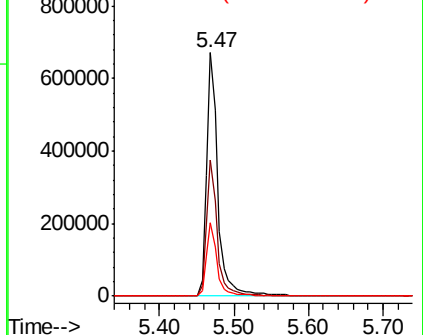
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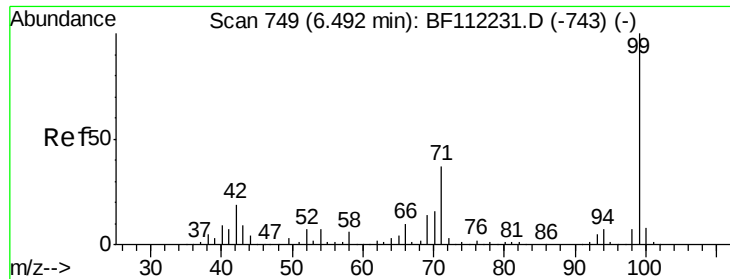
2-Fluorophenol
Concen: 111.315 ng
RT: 5.47 min Scan# 575
Delta R.T. -0.01 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion:112 Resp: 708823
Ion Ratio Lower Upper
112 100
64 55.9 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: 100.315 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112463.D

Acq: 8 Feb 2019 16:53

Instrument :

BNA_F

ClientSampleId :

SB-09(0-2)

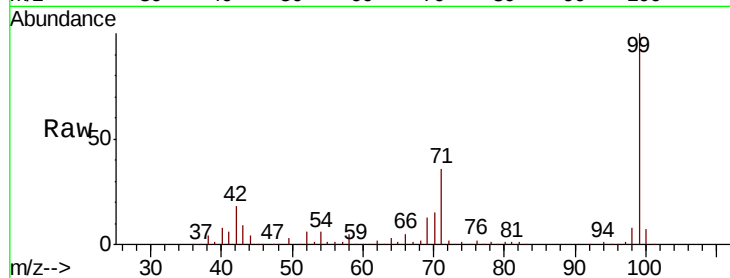
Tot Ion: 99 Resp: 887619

Ion Ratio Lower Upper

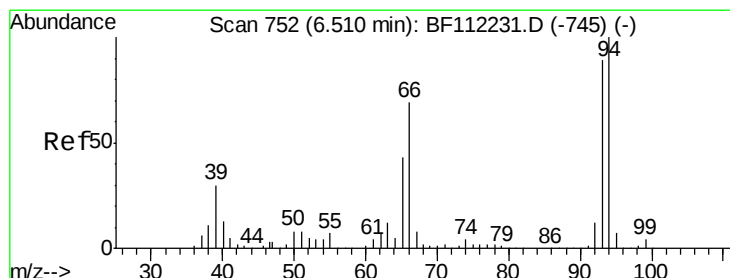
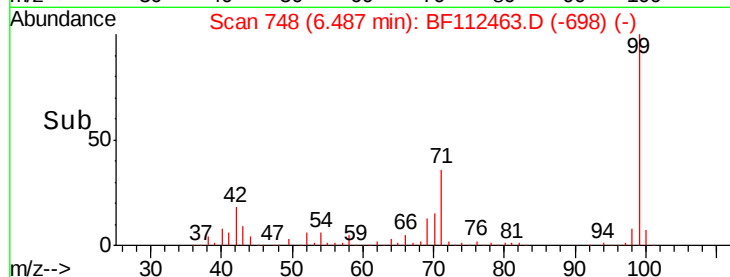
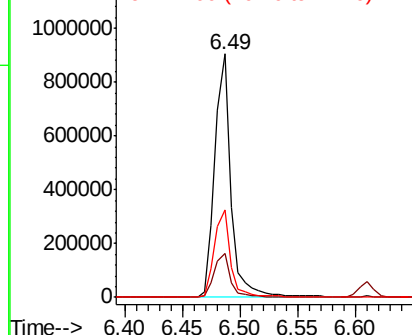
99 100

42 17.8 15.1 22.7

71 36.1 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: 5.137 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF112463.D

Acq: 8 Feb 2019 16:53

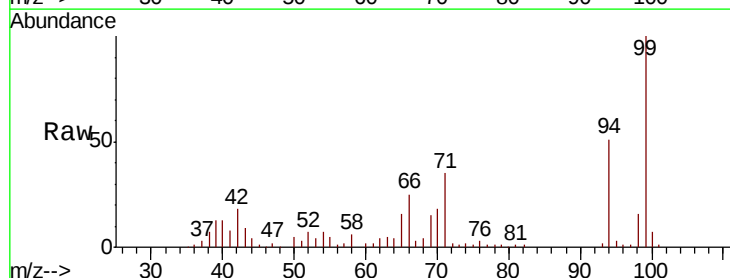
Tgt Ion: 94 Resp: 49870

Ion Ratio Lower Upper

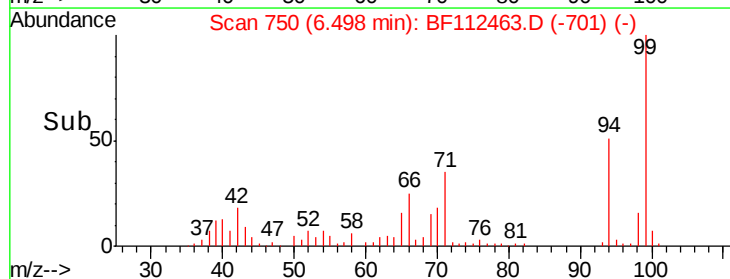
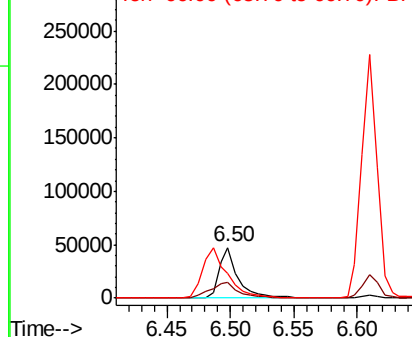
94 100

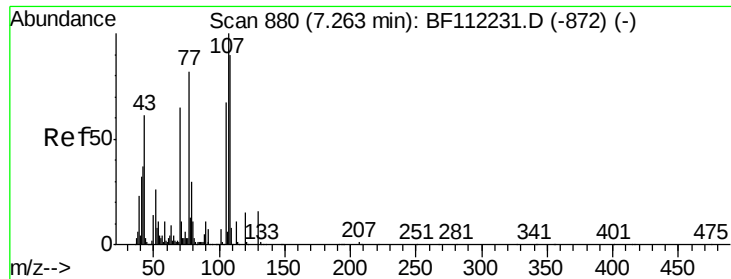
65 30.4 20.3 60.3

66 49.0 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

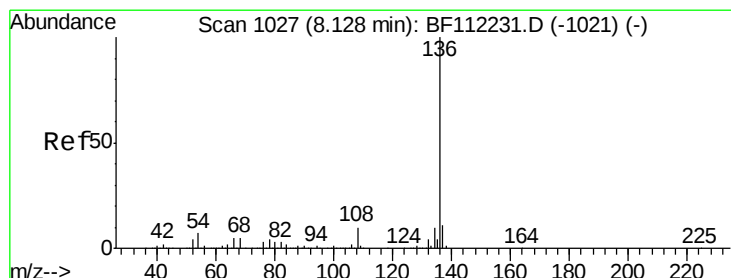
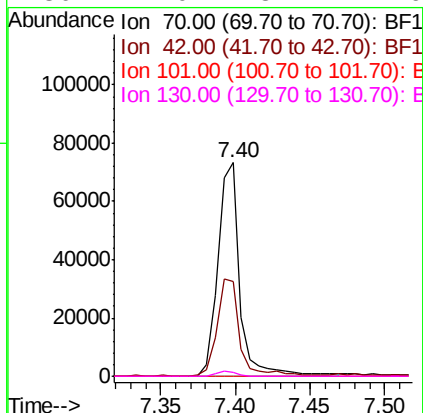
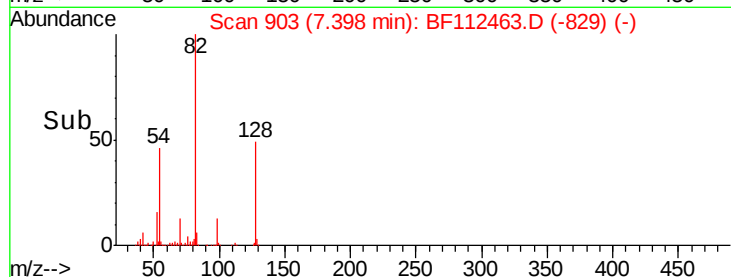
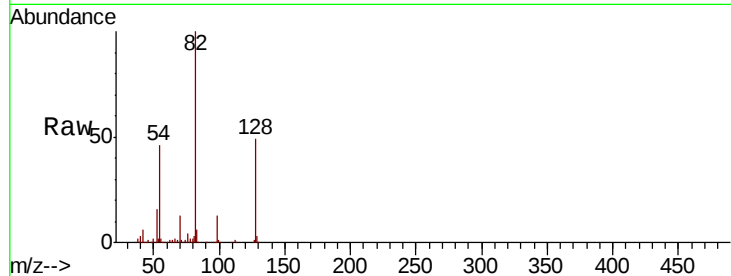




#19
n-Nitroso-di-n-propylamine
Concen: 12.404 ng
RT: 7.40 min Scan# 903
Delta R.T. 0.14 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

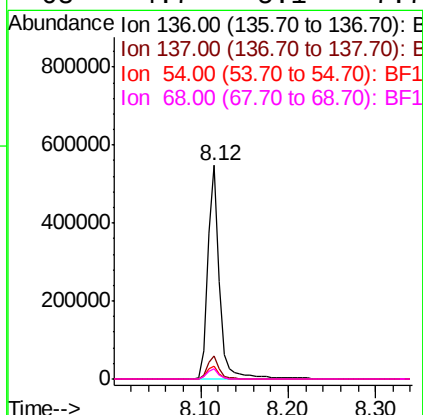
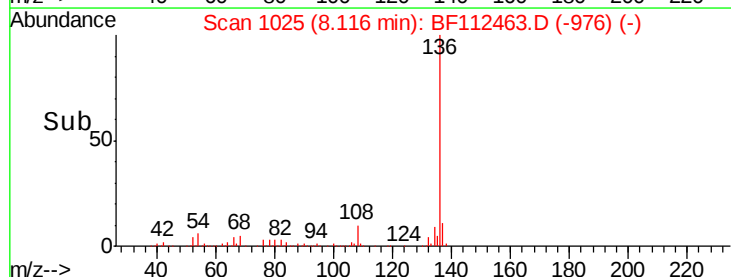
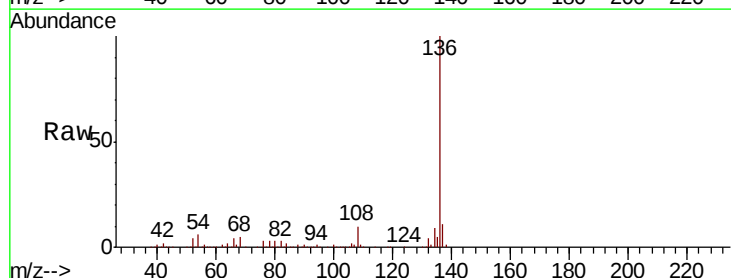
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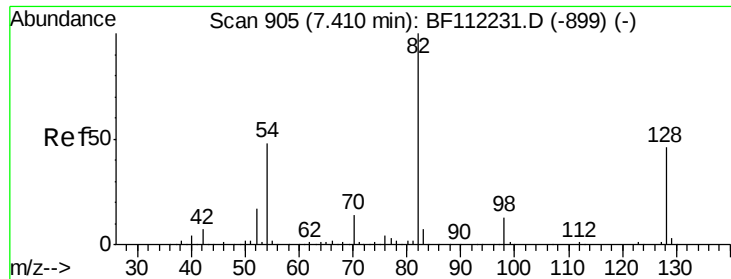
Tot Ion: 70 Resp: 75681
Ion Ratio Lower Upper
70 100
42 44.2 47.6 71.4#
101 0.0 7.9 11.9#
130 2.0 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion: 136 Resp: 505217
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 5.9 5.9 8.9
68 4.7 5.1 7.7#

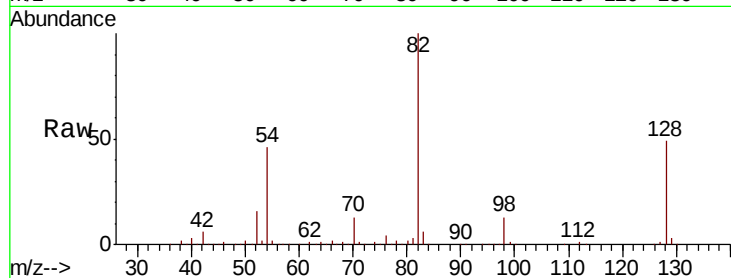




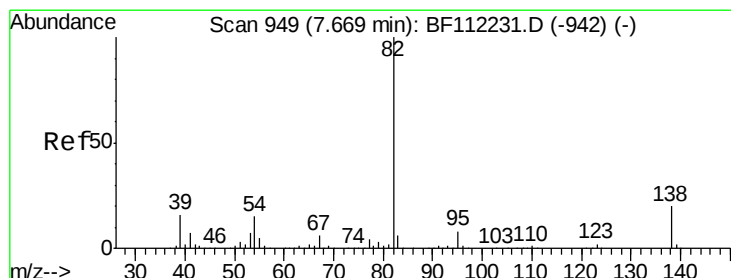
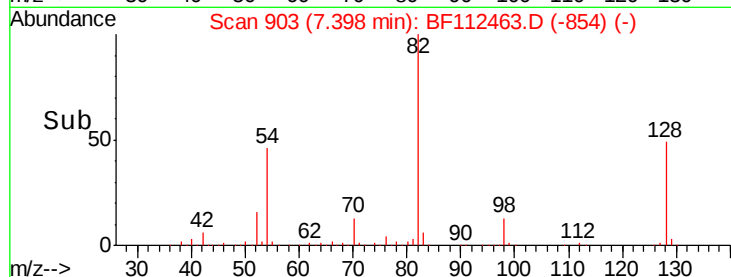
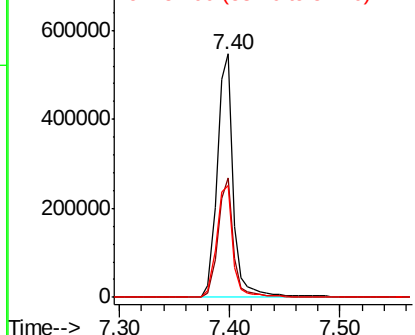
#23
Nitrobenzene-d5
Concen: 63.150 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

Tot Ion: 82 Resp: 553706
Ion Ratio Lower Upper
82 100
128 48.9 37.8 56.8
54 46.1 39.7 59.5

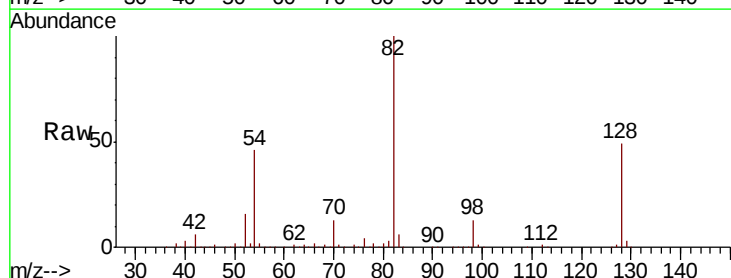


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

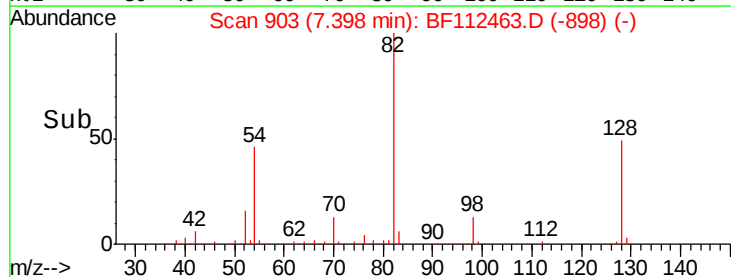
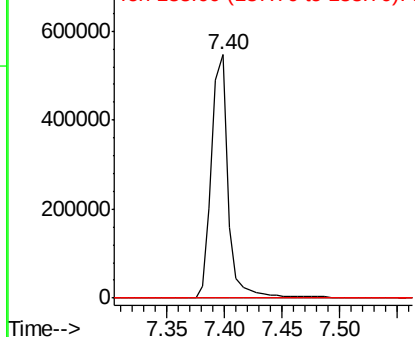


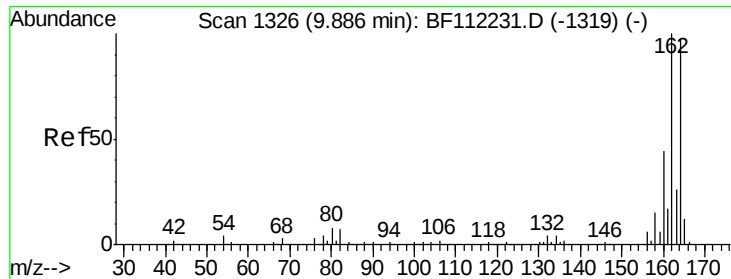
#25
Isophorone
Concen: 40.254 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.27 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion: 82 Resp: 553700
Ion Ratio Lower Upper
82 100
95 0.1 5.7 8.5#
138 0.0 15.4 23.0#



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

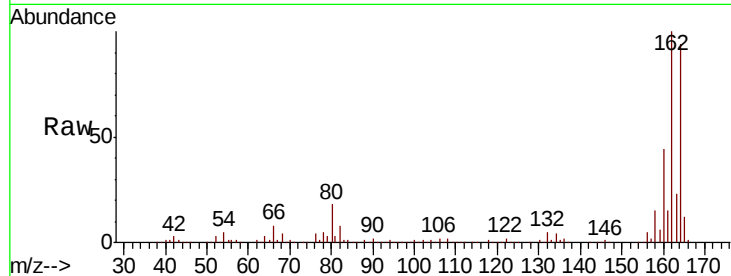




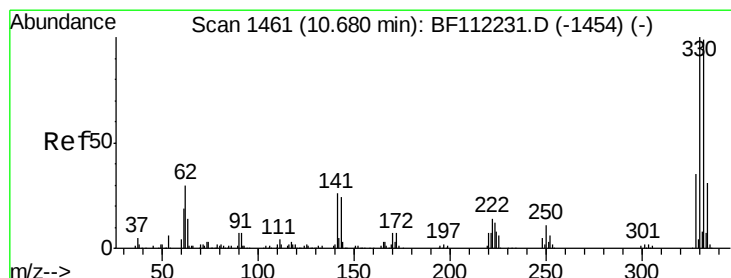
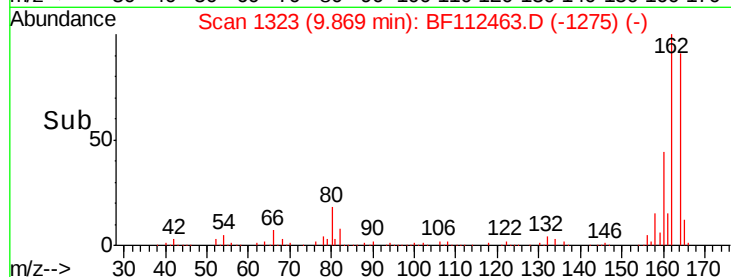
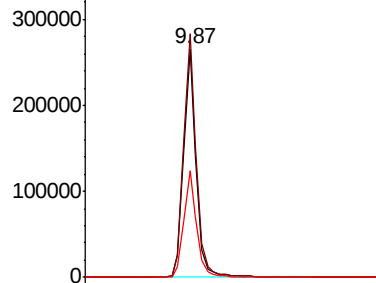
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

Tot Ion:164 Resp: 230118
Ion Ratio Lower Upper
164 100
162 106.6 82.2 123.4
160 46.6 36.2 54.4

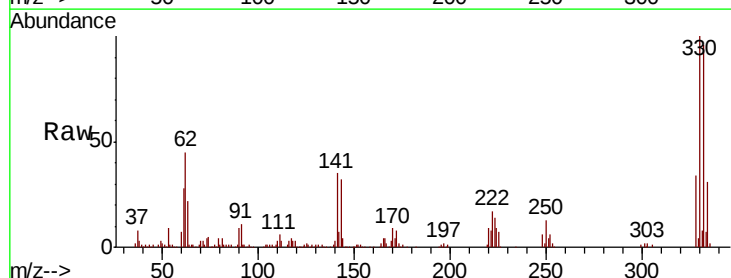


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

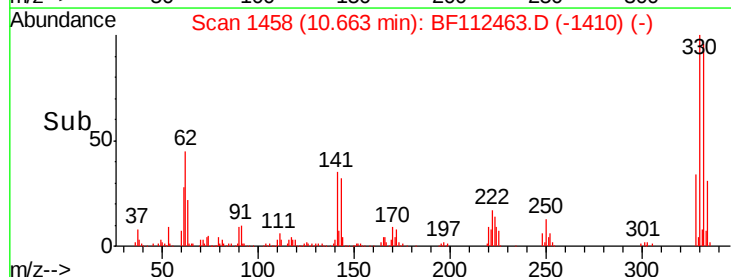
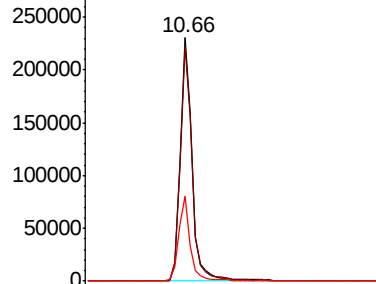


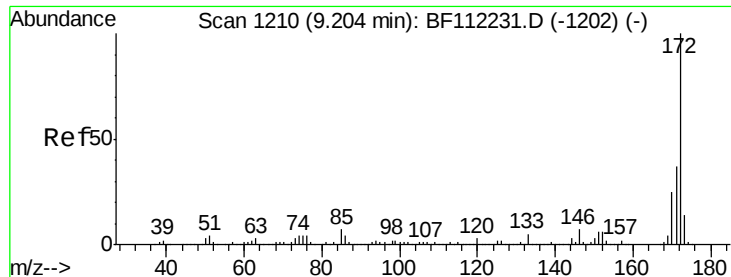
#42
2,4,6-Tribromophenol
Concen: 81.898 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion:330 Resp: 219365
Ion Ratio Lower Upper
330 100
332 96.7 76.6 114.8
141 33.7 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

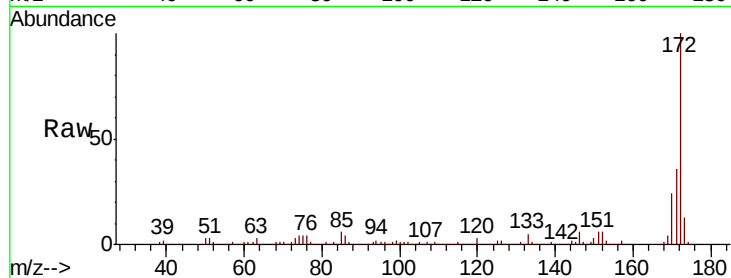




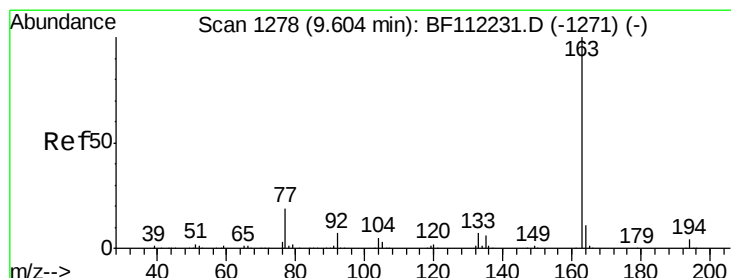
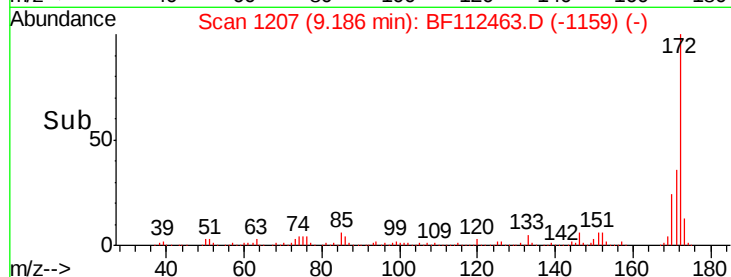
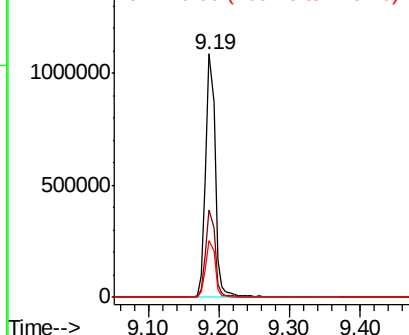
#45
2-Fluorobiphenyl
Concen: 63.376 ng
RT: 9.19 min Scan# 1207
Delta R.T. -0.02 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

Tot Ion:172 Resp: 1031159
Ion Ratio Lower Upper
172 100
171 36.1 30.5 45.7
170 23.5 20.2 30.4

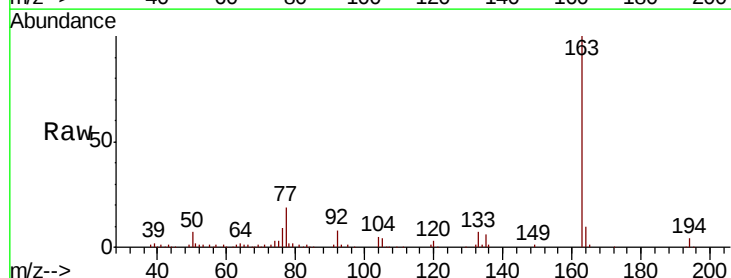


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

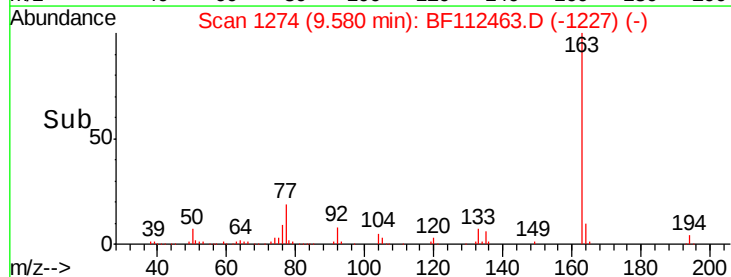
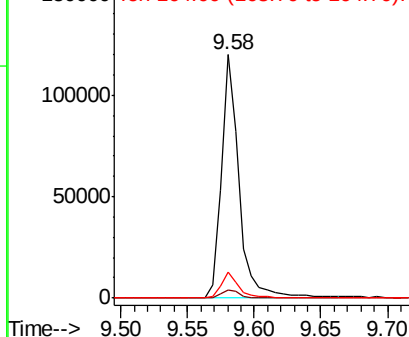


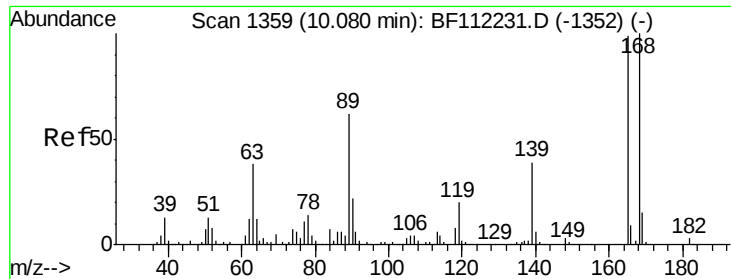
#50
Dimethylphthalate
Concen: 6.269 ng
RT: 9.58 min Scan# 1274
Delta R.T. -0.02 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion:163 Resp: 112091
Ion Ratio Lower Upper
163 100
194 3.5 3.3 4.9
164 10.5 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

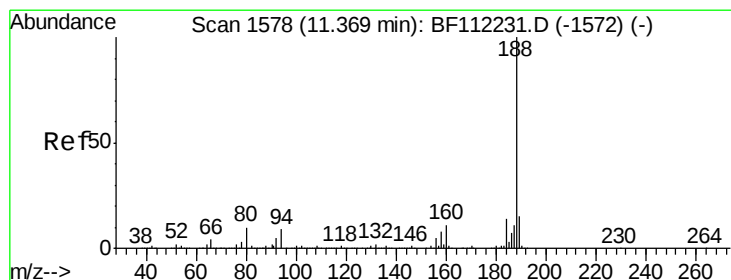
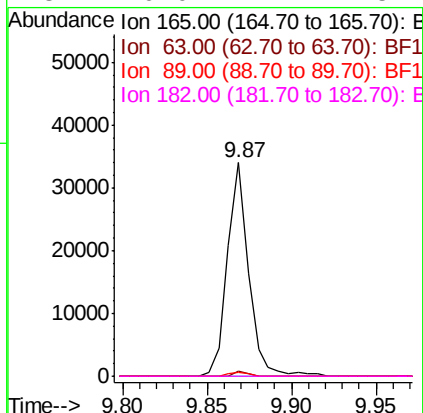
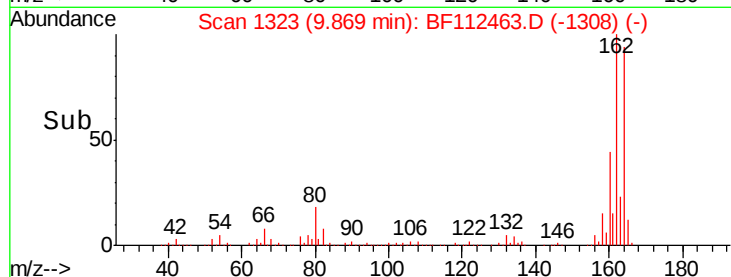
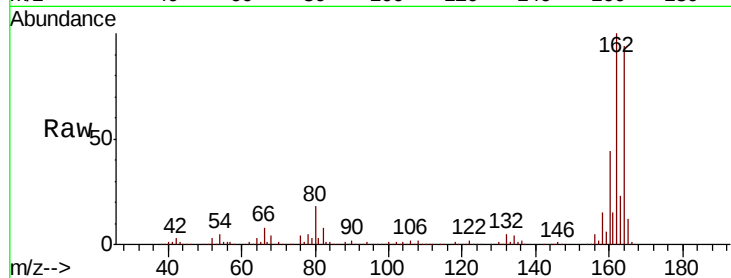




#57
 2,4-Dinitrotoluene
 Concen: 5.874 ng
 RT: 9.87 min Scan# 1323
 Delta R.T. -0.21 min
 Lab File: BF112463.D
 Acq: 8 Feb 2019 16:53

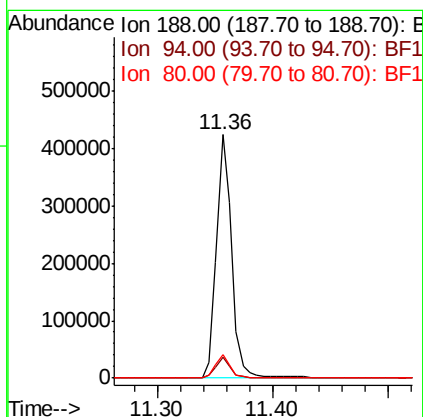
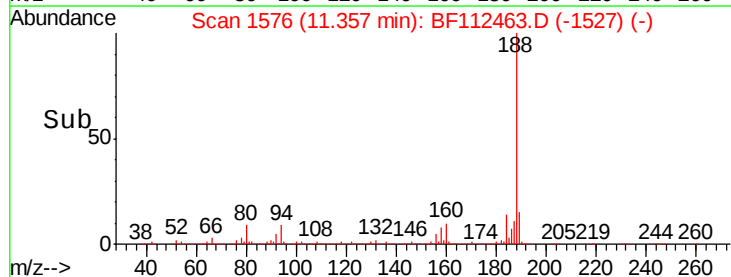
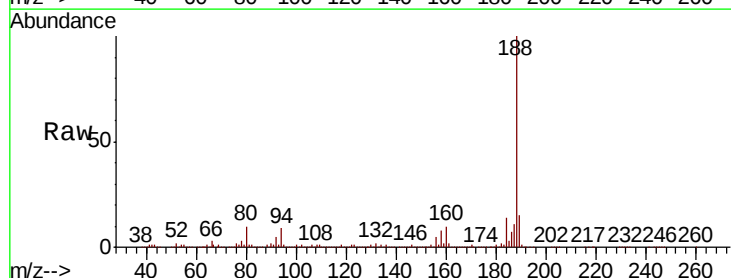
Instrument :
 BNA_F
 ClientSampleId :
 SB-09(0-2)

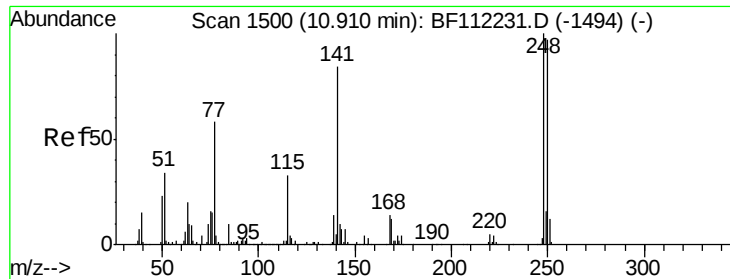
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	27.9	41.9#
89	2.0	47.9	71.9#
182	0.0	2.2	3.4#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF112463.D
 Acq: 8 Feb 2019 16:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.5	8.9	13.3

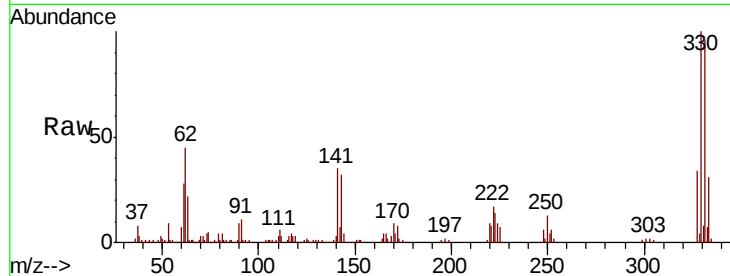




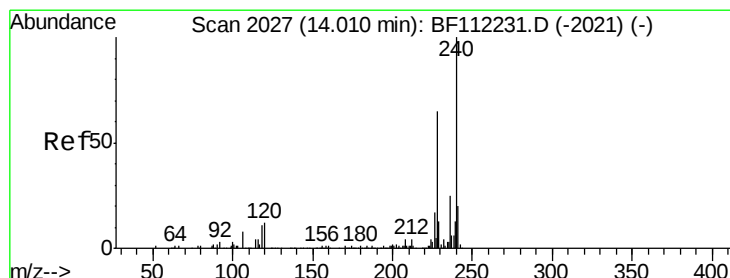
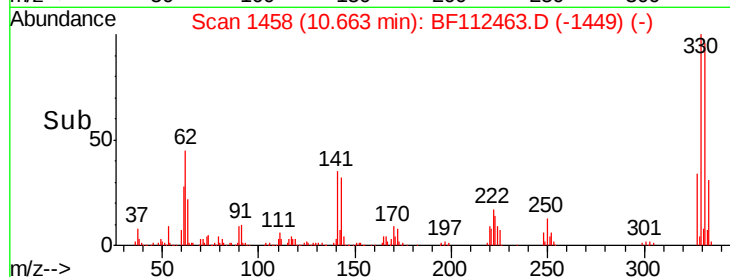
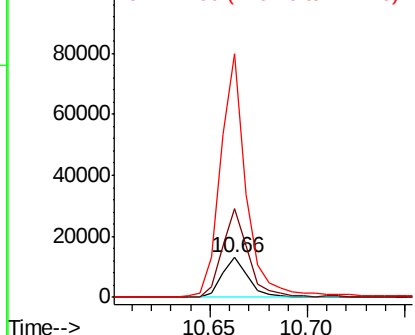
#67
4-Bromophenyl-phenylether
Concen: 2.666 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

Tot Ion:248 Resp: 12204
Ion Ratio Lower Upper
248 100
250 223.1 79.7 119.5#
141 609.0 60.3 90.5#

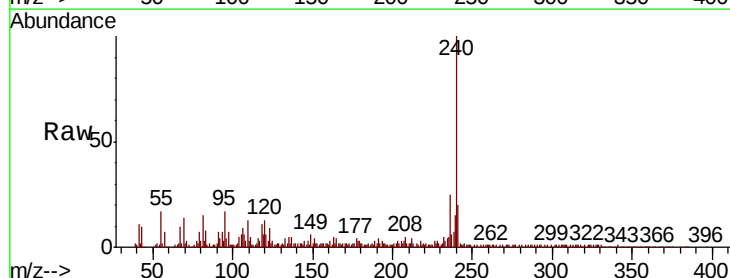


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

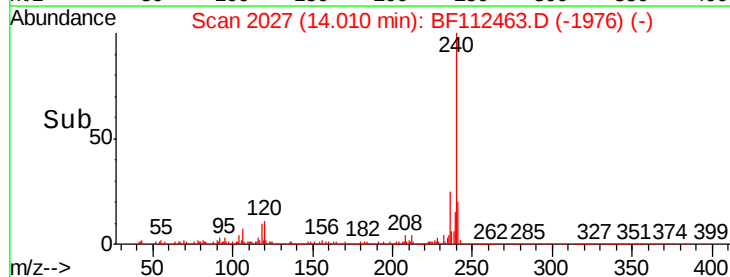
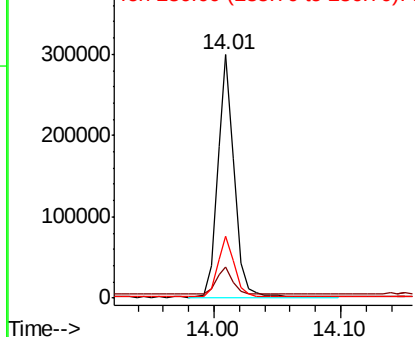


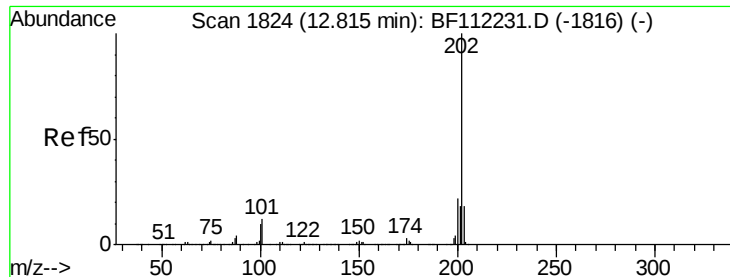
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.00 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion:240 Resp: 271797
Ion Ratio Lower Upper
240 100
120 12.7 9.0 13.6
236 25.4 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

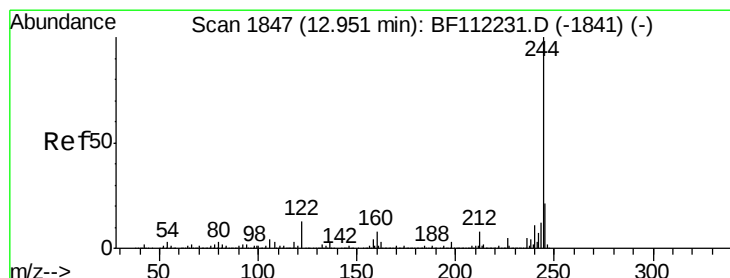
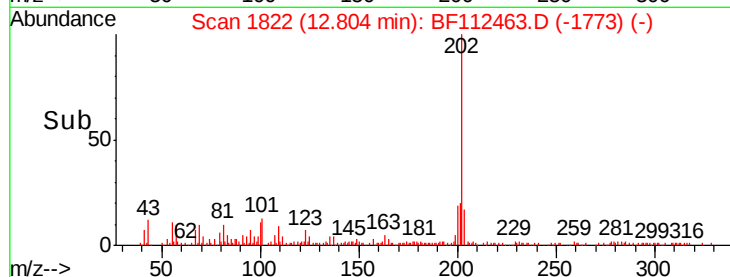
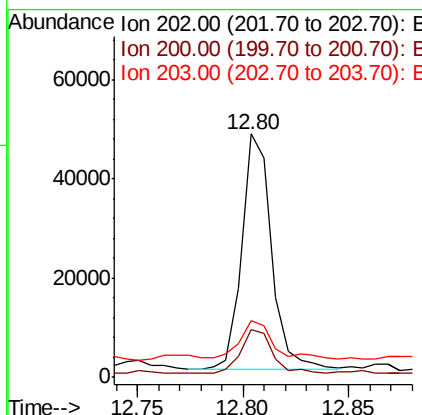
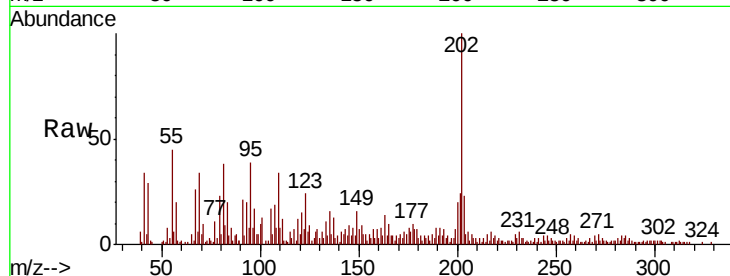




#78
Pvrene
Concen: 2.451 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

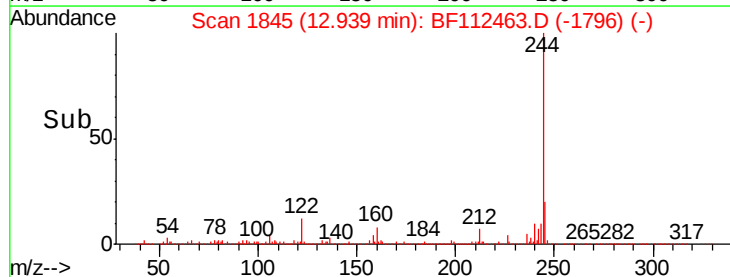
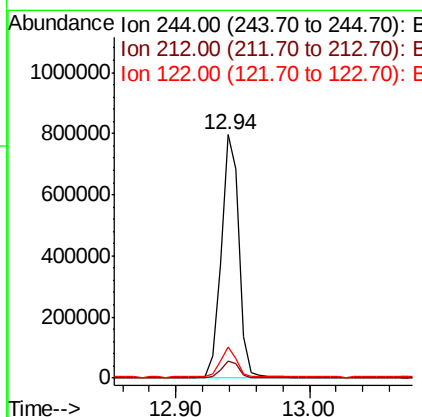
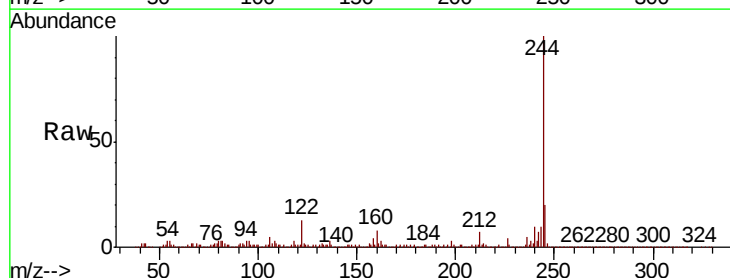
Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

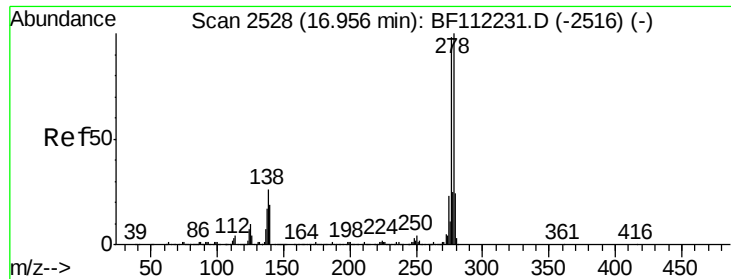
Tot Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.7	26.5
203	23.1	14.6	22.0



#79
Terphenyl-d14
Concen: 51.493 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.9	8.9
122	12.7	9.8	14.6

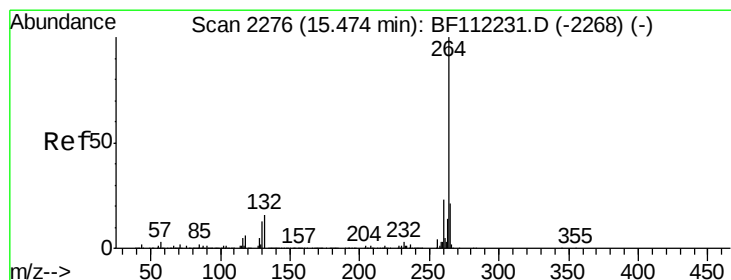
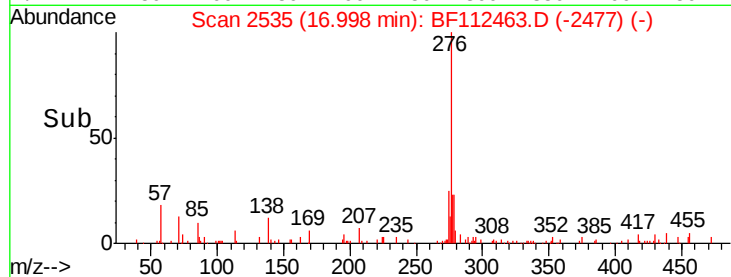
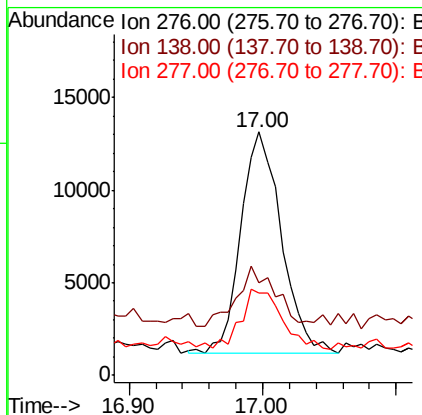
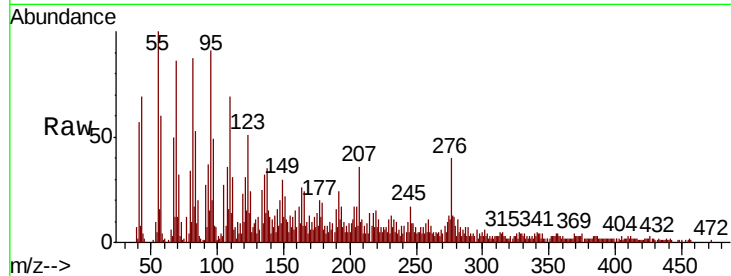




#86
Indeno(1,2,3-cd)pyrene
Concen: 2.078 ng
RT: 17.00 min Scan# 2535
Delta R.T. 0.04 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

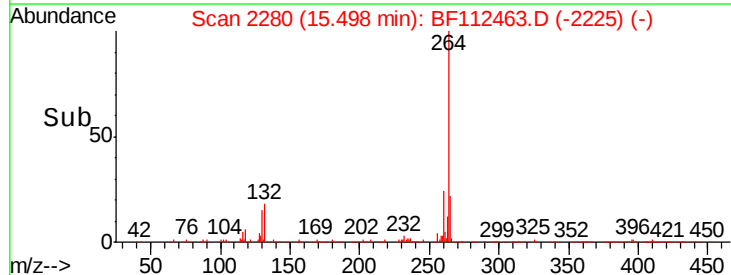
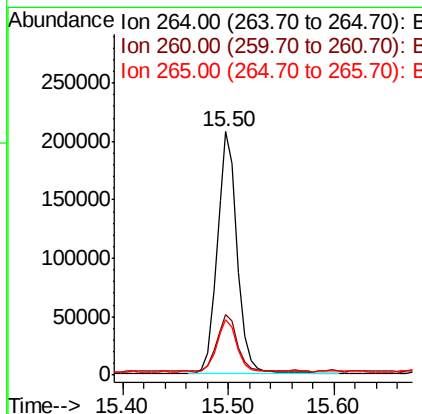
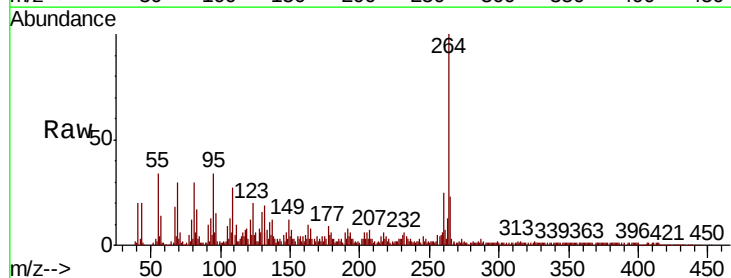
Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

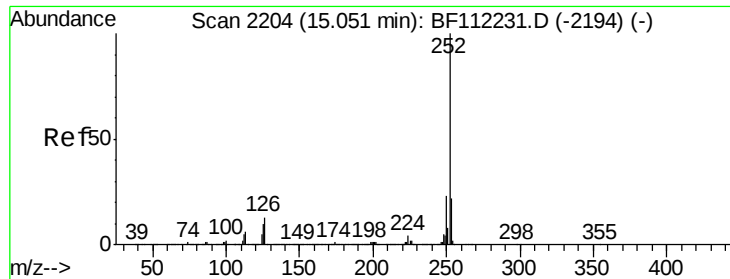
Tot Ion:276 Resp: 25108
Ion Ratio Lower Upper
276 100
138 25.6 22.6 34.0
277 26.6 20.3 30.5



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion:264 Resp: 273397
Ion Ratio Lower Upper
264 100
260 25.1 18.2 27.2
265 22.8 17.0 25.4

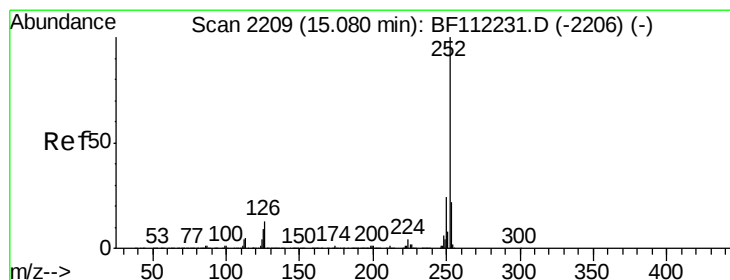
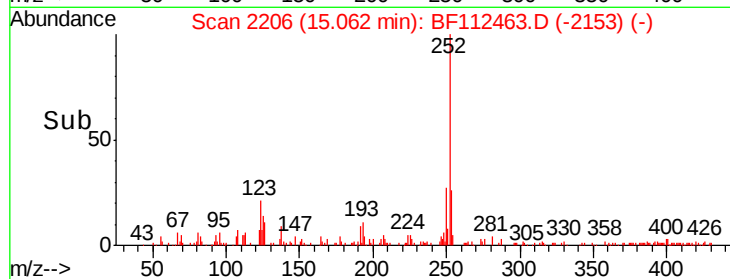
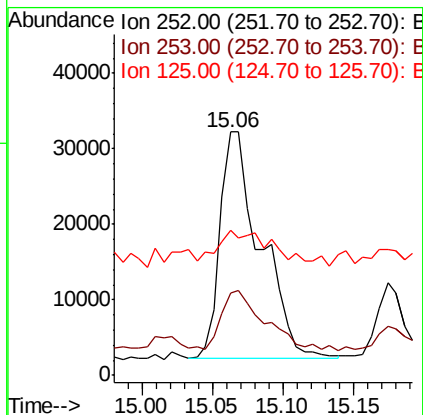
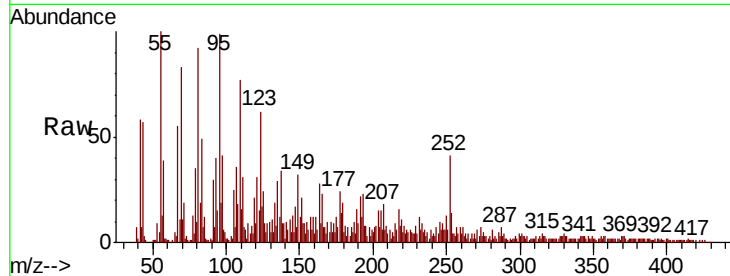




#88
Benzo(b)fluoranthene
Concen: 3.669 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

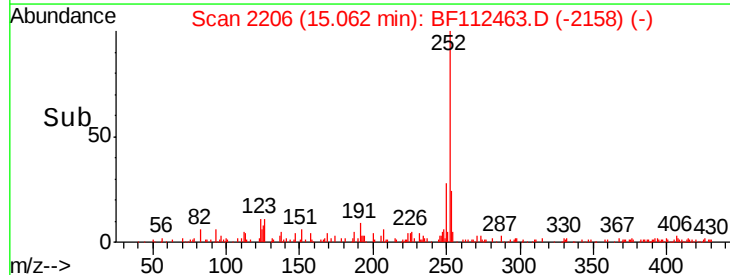
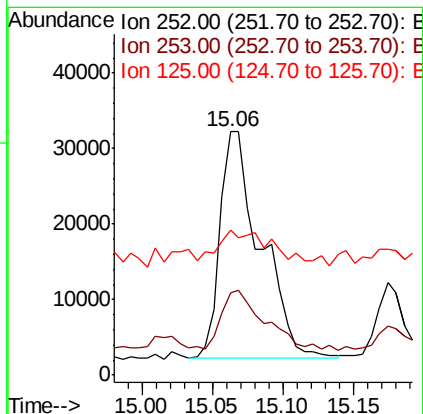
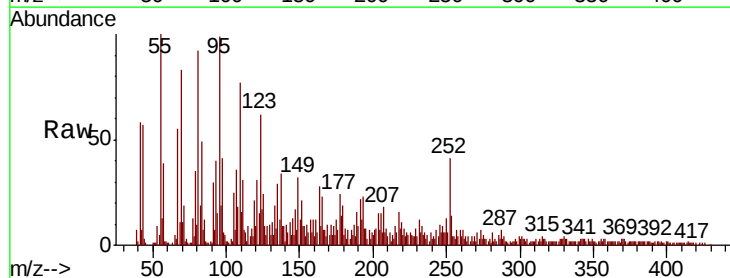
Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

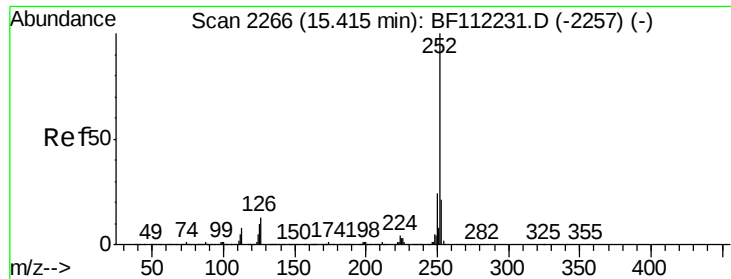
Tot Ion	Ratio	Lower	Upper
252	100		
253	33.7	18.0	27.0#
125	59.6	8.7	13.1#



#89
Benzo(k)fluoranthene
Concen: 3.831 ng
RT: 15.06 min Scan# 2206
Delta R.T. -0.02 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion	Ratio	Lower	Upper
252	100		
253	33.7	18.0	27.0#
125	59.6	9.1	13.7#

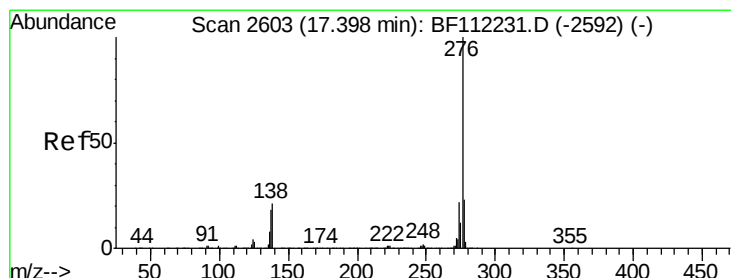
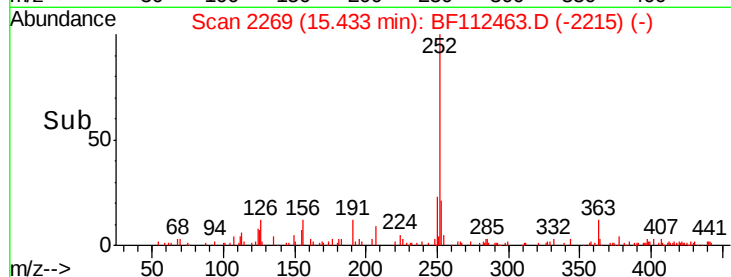
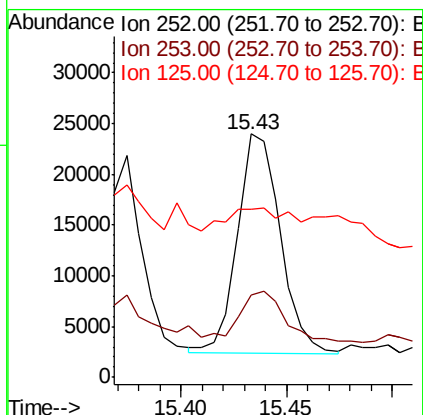
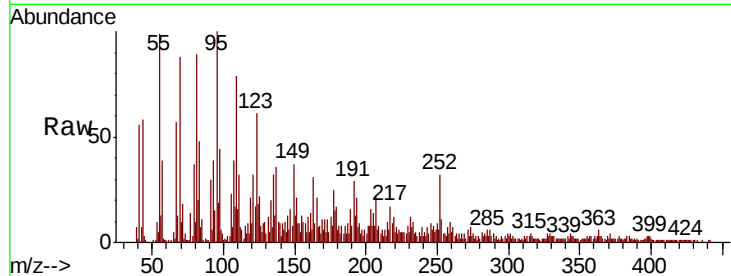




#90
Benzo(a)pyrene
Concen: 2.068 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.02 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Instrument :
BNA_F
ClientSampleId :
SB-09(0-2)

Tot Ion:252 Resp: 30429
Ion Ratio Lower Upper
252 100
253 34.0 17.5 26.3#
125 69.2 9.0 13.4#



#92
Benzo(g,h,i)perylene
Concen: 3.020 ng
RT: 17.45 min Scan# 2612
Delta R.T. 0.05 min
Lab File: BF112463.D
Acq: 8 Feb 2019 16:53

Tgt Ion:276 Resp: 33783
Ion Ratio Lower Upper
276 100
277 30.3 19.4 29.0#
138 33.6 19.1 28.7#

