

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020818\
 Data File : BF102849.D
 Acq On : 8 Feb 2018 12:09
 Operator : SJ/JU
 Sample : J1469-05
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 12:57:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	209860	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	870944	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	399193	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	659314	20.00	ng	0.00
75) Chrysene-d12	14.04	240	378037	20.00	ng	0.00
86) Perylene-d12	15.53	264	378212	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	1374976	99.50	ng	0.01
7) Phenol-d6	6.51	99	1657271	99.60	ng	0.00
23) Nitrobenzene-d5	7.45	82	1101491	87.73	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	318378	99.09	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	1603685	66.66	ng	0.00
78) Terphenyl-d14	13.00	244	1206990	75.60	ng	0.00

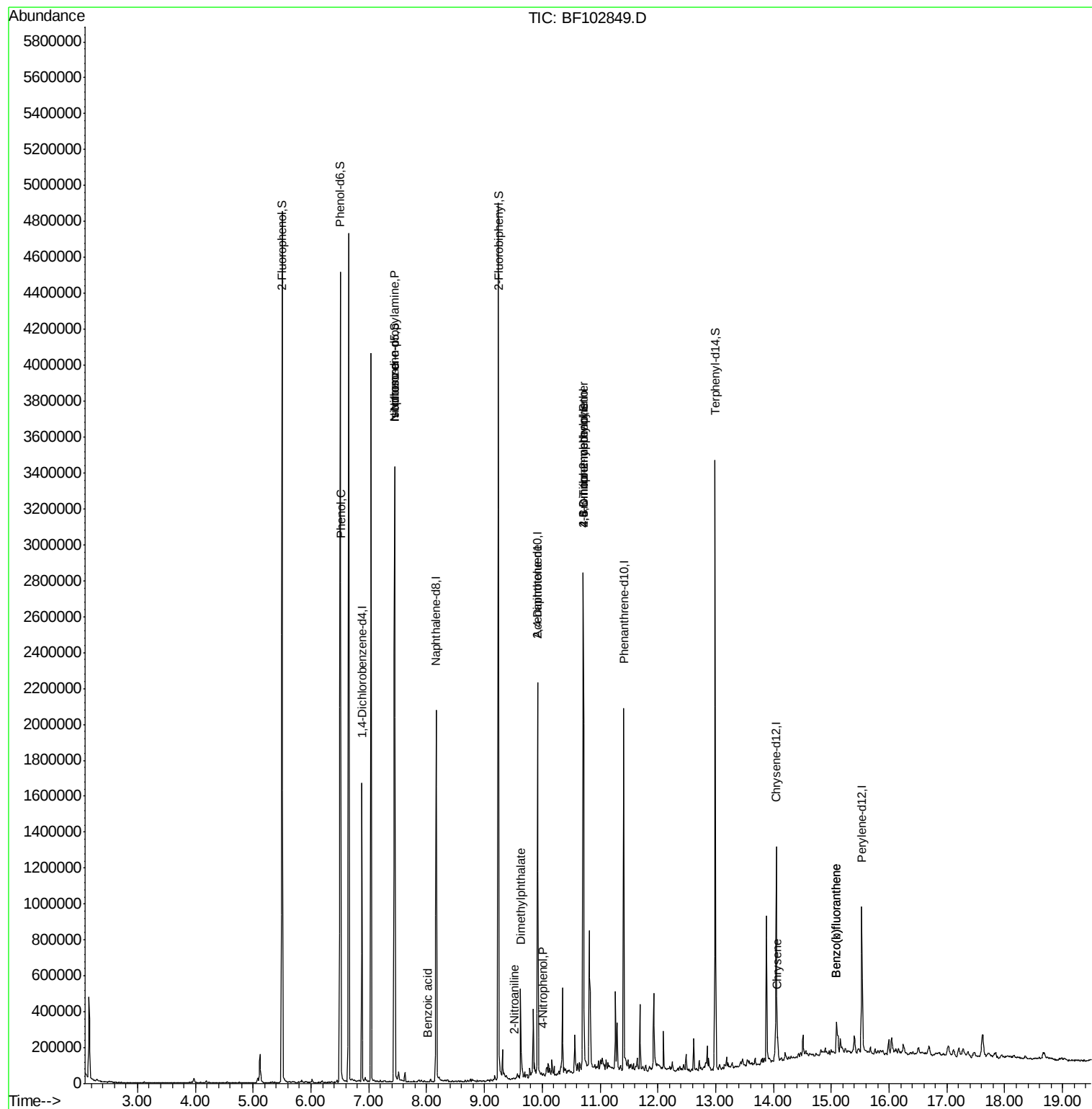
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.52	94	40726	2.284	ng	95
19) n-Nitroso-di-n-propylamine	7.45	70	150968	13.762	ng	# 84
25) Isophorone	7.45	82	1101472	38.100	ng	# 64
32) Benzoic acid	8.02	122	110	8.555	ng	85
47) 2-Nitroaniline	9.52	65	133	3.487	ng	# 2
49) Dimethylphthalate	9.63	163	168802	5.423	ng	99
55) 4-Nitrophenol	10.02	139	108	4.041	ng	# 1
56) 2,4-Dinitrotoluene	9.92	165	52415	9.252	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.71	198	682	9.022	ng	# 1
66) 4-Bromophenyl-phenylether	10.71	248	20659	2.962	ng	# 1
82) Chrysene	14.07	228	57968	2.419	ng	99
87) Benzo(b)fluoranthene	15.09	252	123689	5.044	ng	# 96
88) Benzo(k)fluoranthene	15.09	252	123689	5.279	ng	# 96

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

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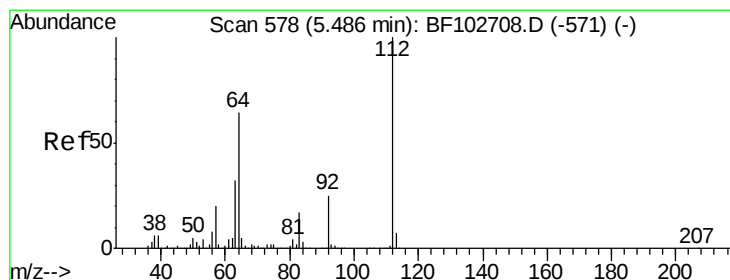
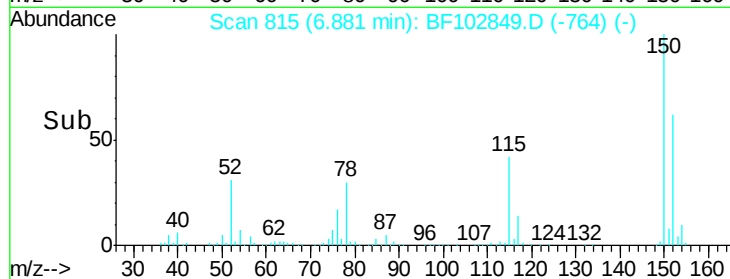
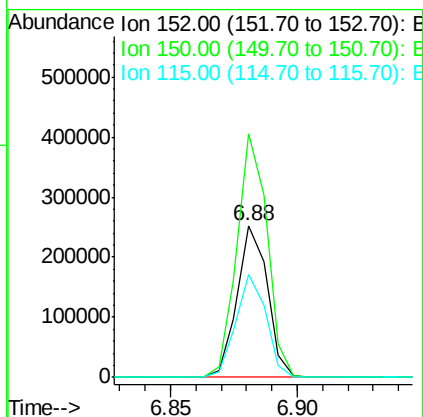
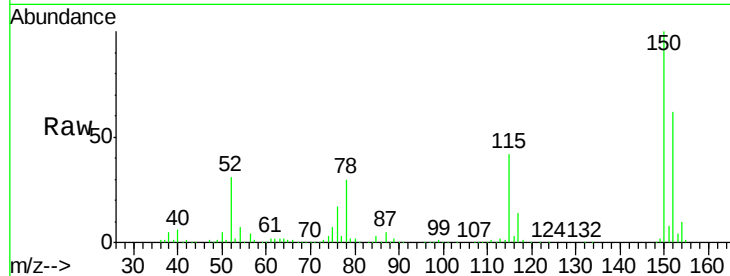


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

Instrument :
BNA_F
ClientSampled :

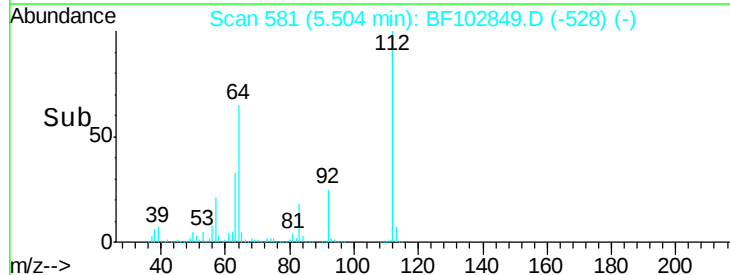
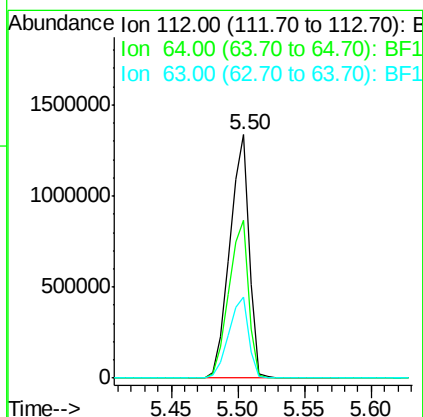
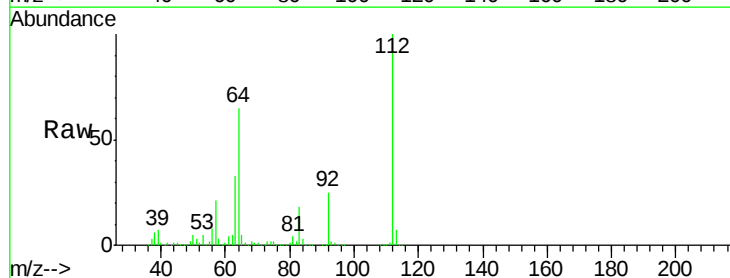
Tot Ion:152 Resp: 209860
Ion Ratio Lower Upper
152 100
150 160.4 124.6 186.8
115 67.6 50.1 75.1



#5

2-Fluorophenol
Concen: 99.501 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

Tgt Ion:112 Resp: 1374976
Ion Ratio Lower Upper
112 100
64 64.6 47.9 71.9
63 33.4 23.7 35.5





#7

Phenol-d6

Concen: 99.604 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

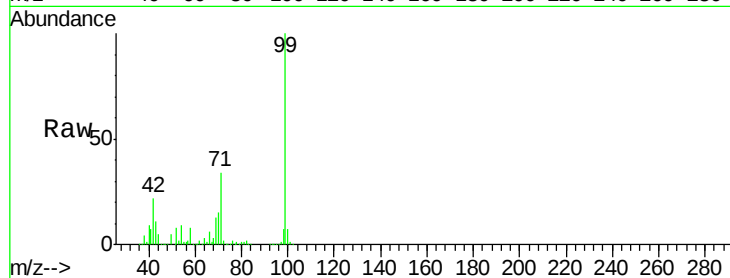
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1657271

Ion	Ratio	Lower	Upper
99	100		
42	21.6	14.5	21.7
71	33.6	25.4	38.0

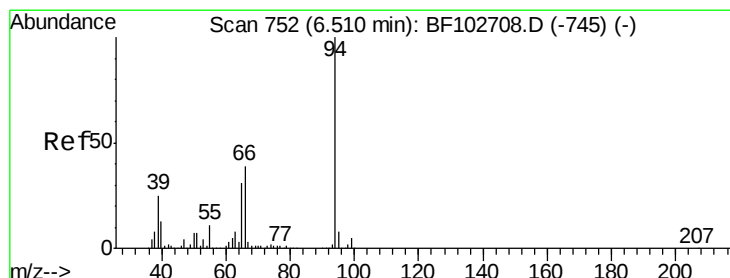
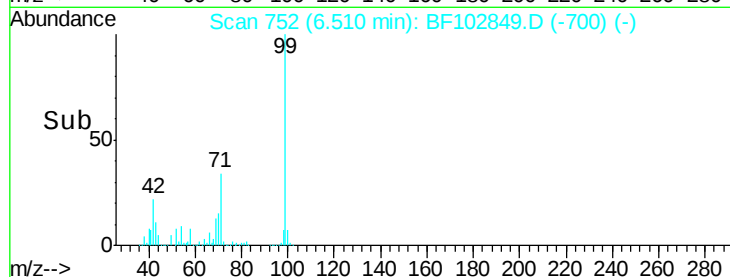
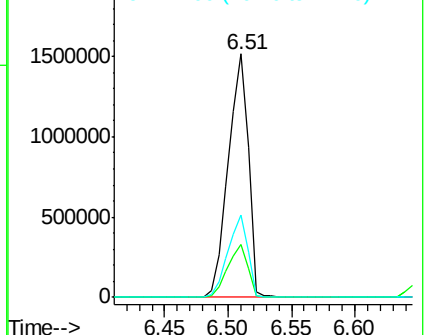


Abundance

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: 2.284 ng

RT: 6.52 min Scan# 754

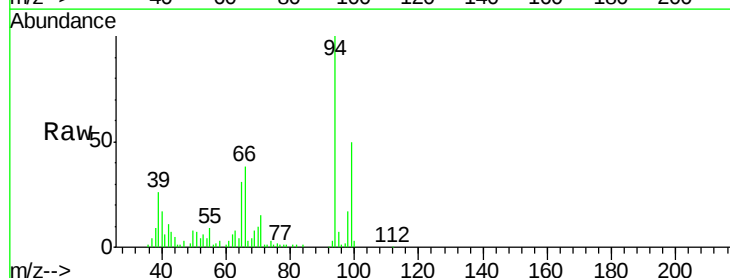
Delta R.T. 0.00 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

Tgt Ion: 94 Resp: 40726

Ion	Ratio	Lower	Upper
94	100		
65	31.5	7.9	47.9
66	38.1	16.2	56.2

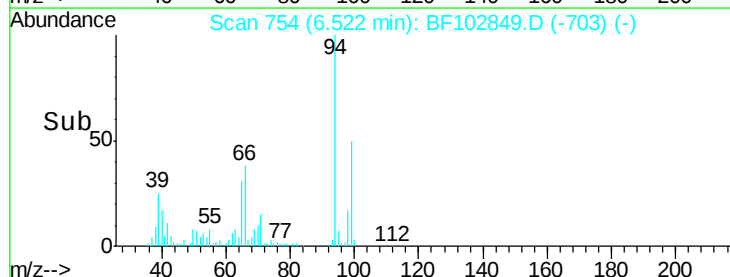
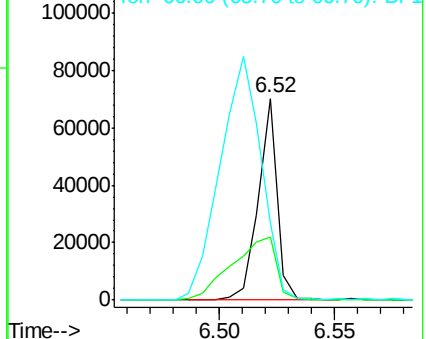


Abundance

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

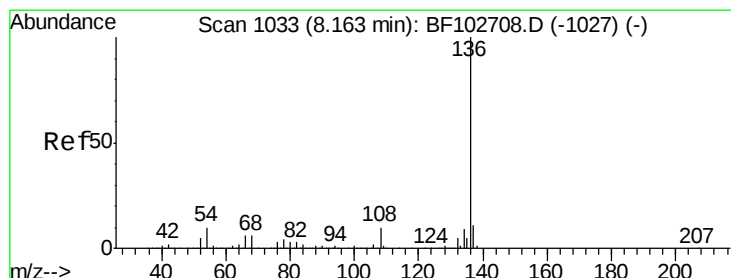
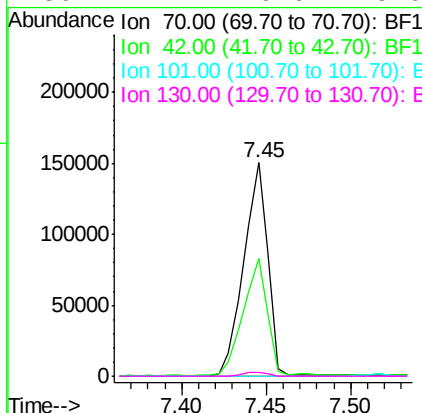
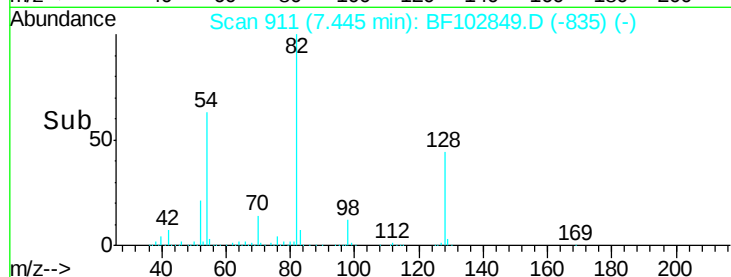
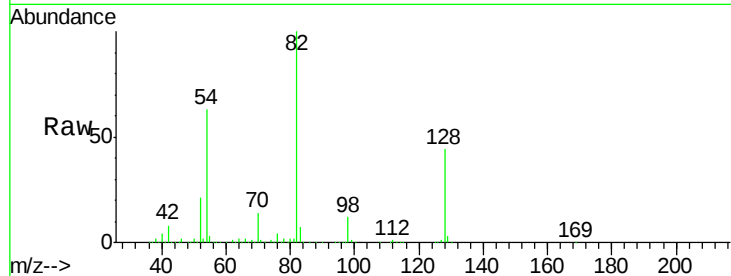




#19
n-Nitroso-di-n-propylamine
Concen: 13.762 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

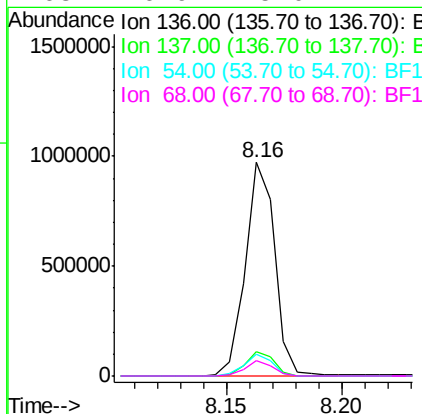
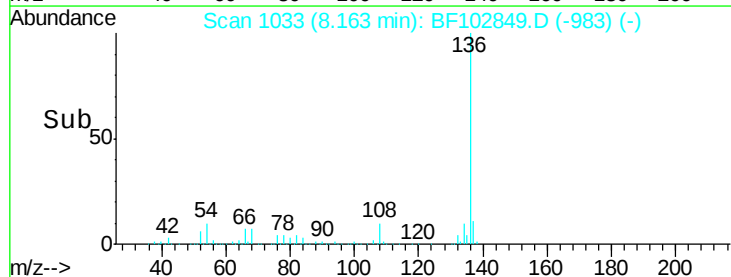
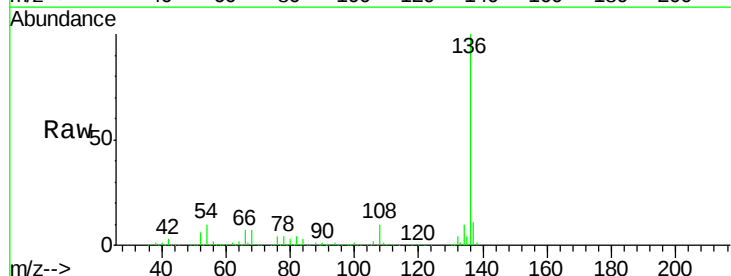
Instrument :
BNA_F
ClientSampleId :

Tot Ion: 70 Resp: 150968
Ion Ratio Lower Upper
70 100
42 55.3 47.5 71.3
101 0.0 7.4 11.2#
130 2.1 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

Tgt Ion:136 Resp: 870944
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 10.2 6.6 9.8#
68 6.9 5.0 7.4

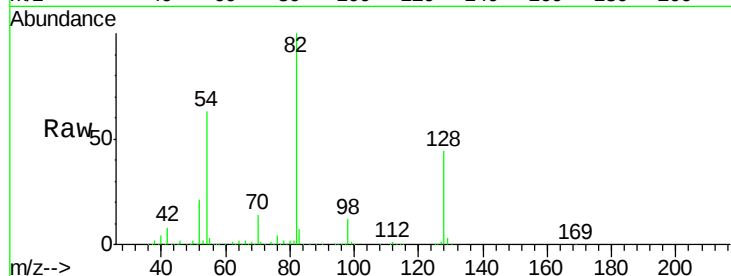




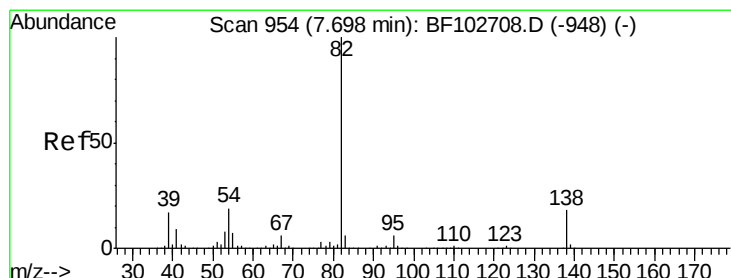
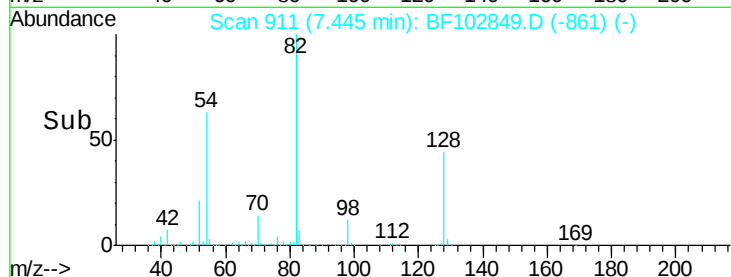
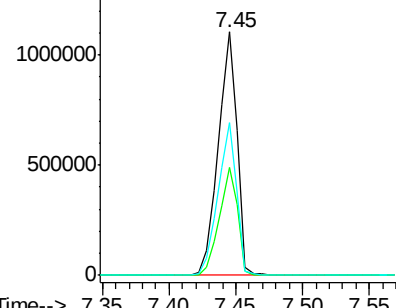
#23
Nitrobenzene-d5
Concen: 87.734 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 1101491
Ion Ratio Lower Upper
82 100
128 44.2 36.1 54.1
54 62.7 41.4 62.2#

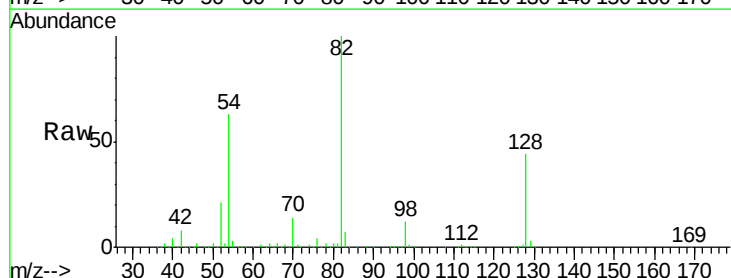


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

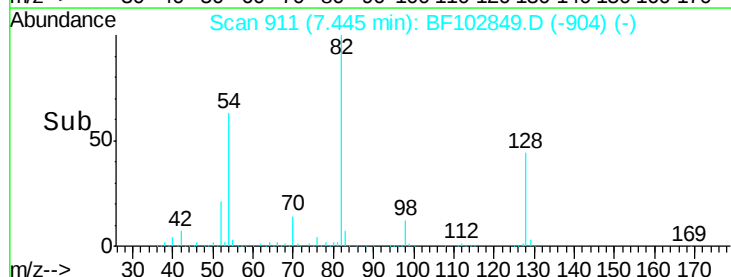
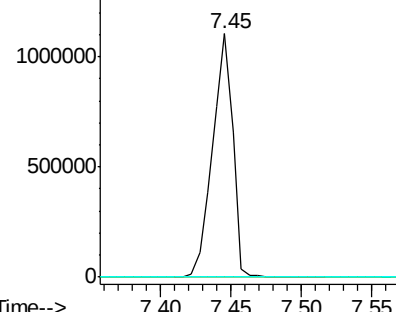


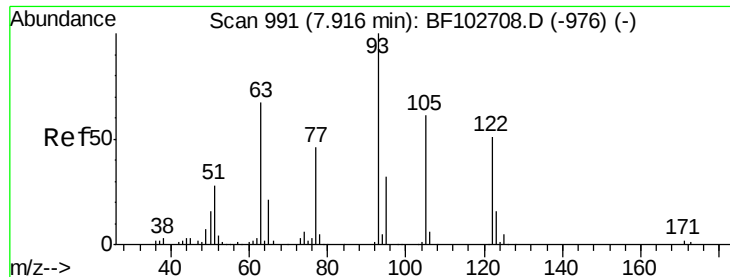
#25
Isophorone
Concen: 38.100 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

Tgt Ion: 82 Resp: 1101472
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





#32

Benzoic acid

Concen: 8.555 ng

RT: 8.02 min Scan# 1008

Delta R.T. 0.08 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

Instrument :

BNA_F

ClientSampled :

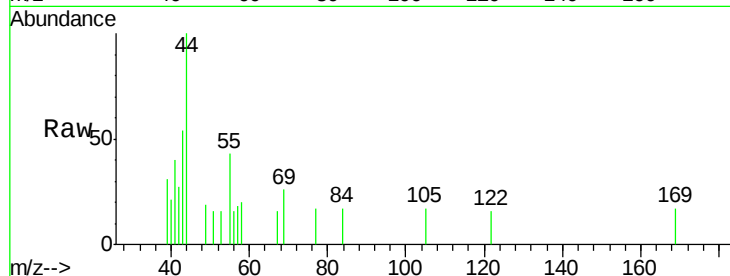
Tot Ion:122 Resp: 110

Ion Ratio Lower Upper

122 100

105 101.9 101.1 141.1

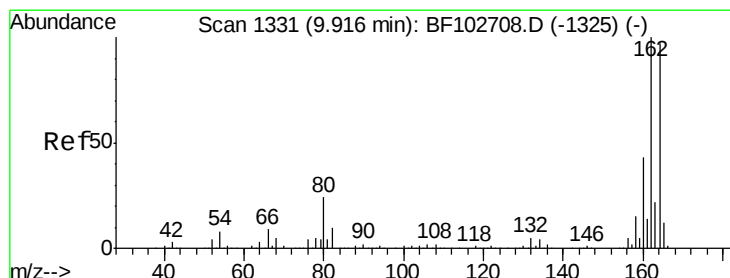
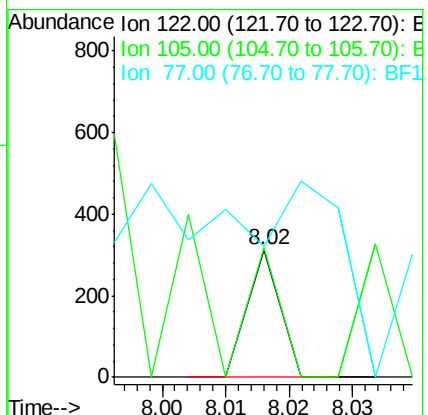
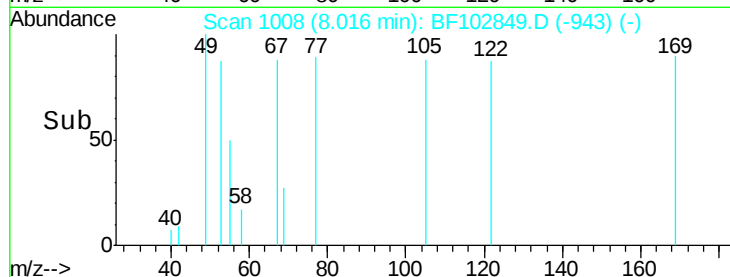
77 102.2 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. 0.00 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

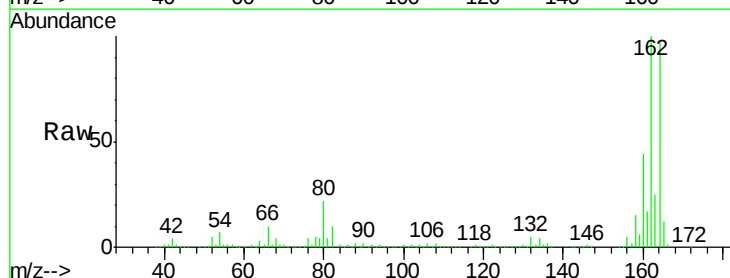
Tgt Ion:164 Resp: 399193

Ion Ratio Lower Upper

164 100

162 103.2 86.1 129.1

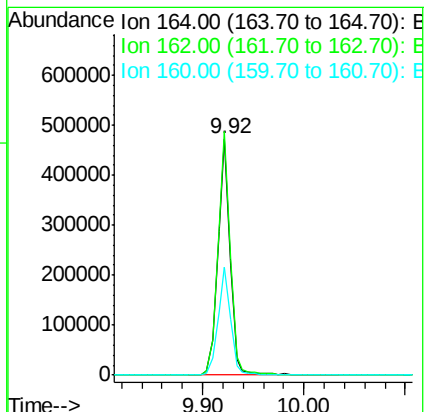
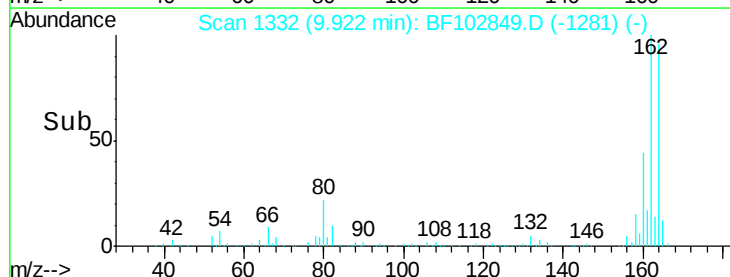
160 45.8 38.3 57.5

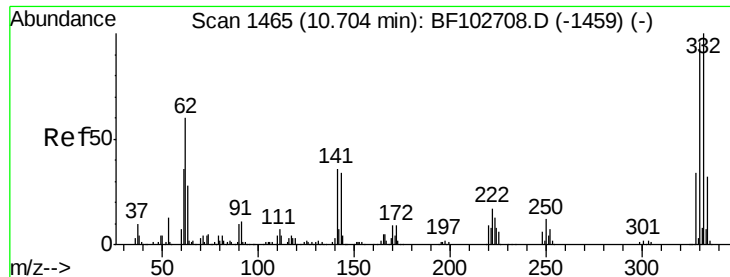


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

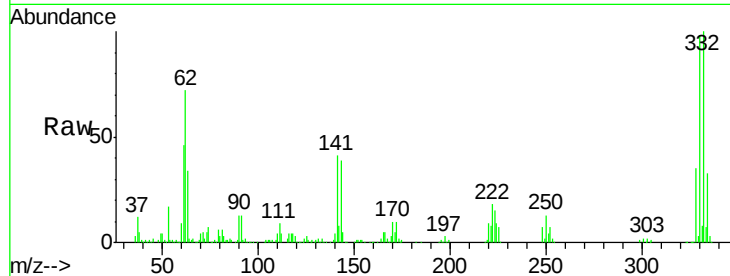




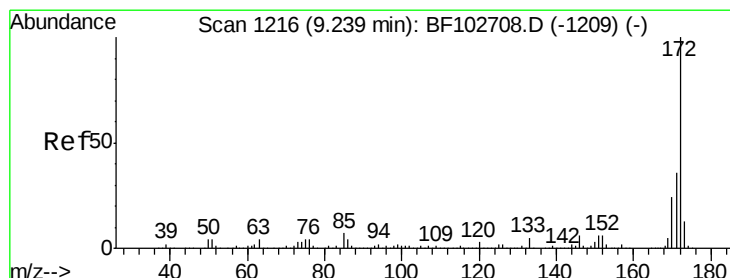
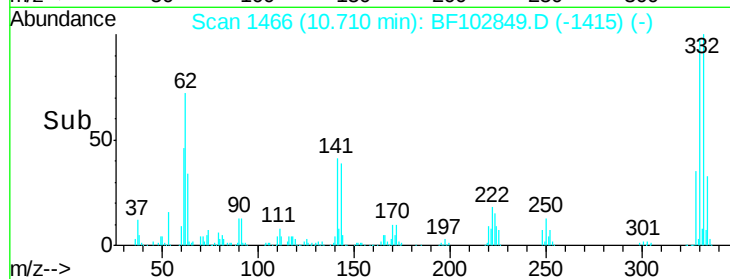
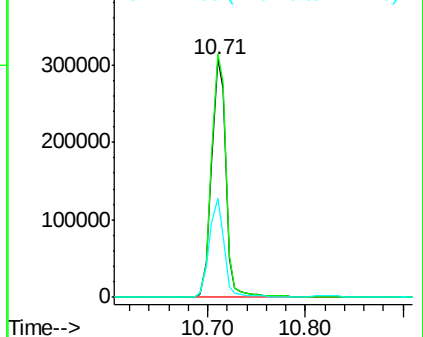
#41
 2,4,6-Tribromophenol
 Concen: 99.089 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.00 min
 Lab File: BF102849.D
 Acq: 8 Feb 2018 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	102.9	77.0	115.6
141	42.9	29.9	44.9

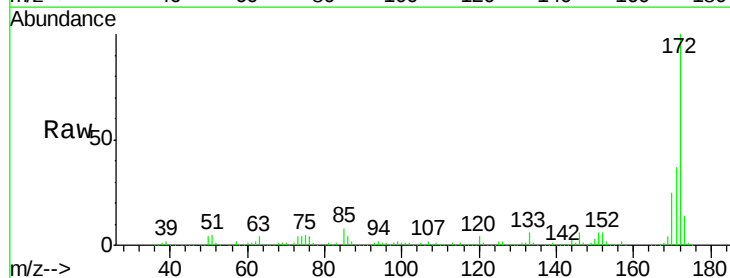


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

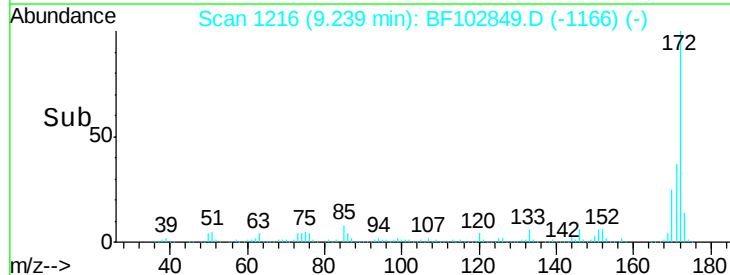
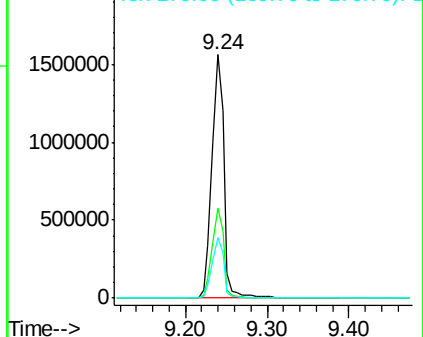


#44
 2-Fluorobiphenyl
 Concen: 66.662 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102849.D
 Acq: 8 Feb 2018 12:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.8	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





#47

2-Nitroaniline

Concen: 3.487 ng

RT: 9.52 min Scan# 1263

Delta R.T. 0.05 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

Instrument :

BNA_F

ClientSampled :

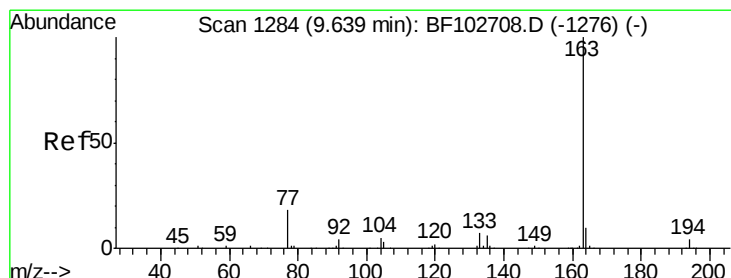
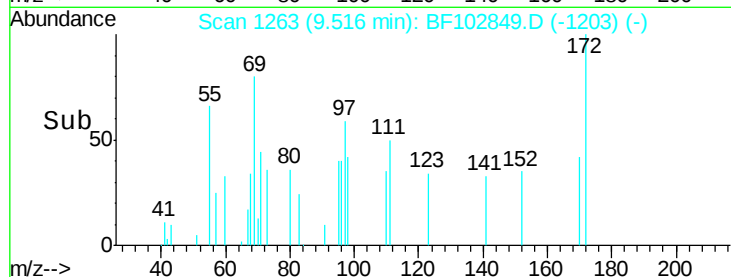
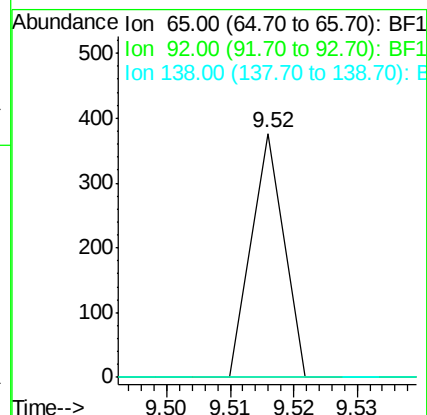
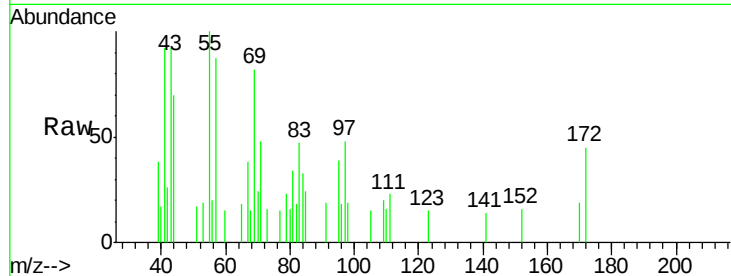
Tot Ion: 65 Resp: 133

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 5.423 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

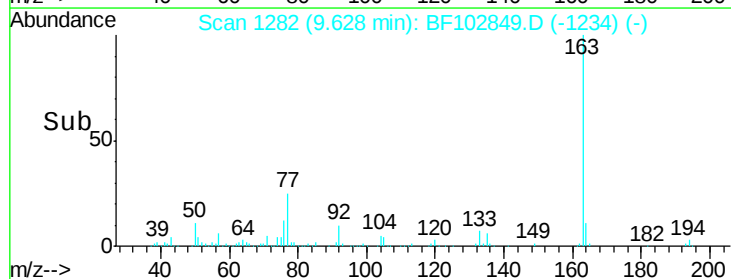
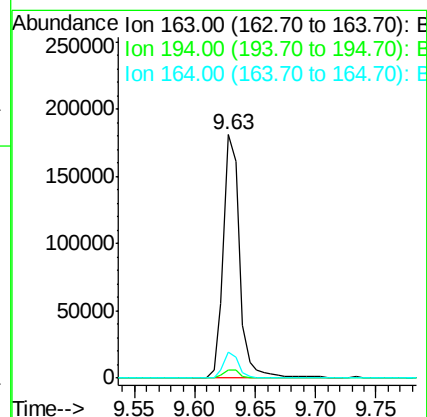
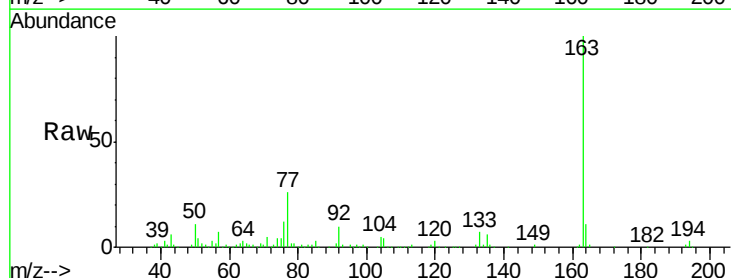
Tgt Ion: 163 Resp: 168802

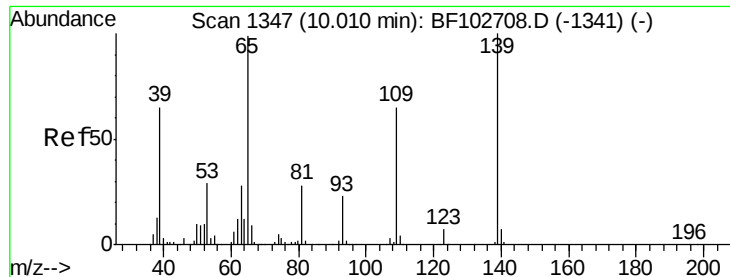
Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

164 10.5 8.2 12.2

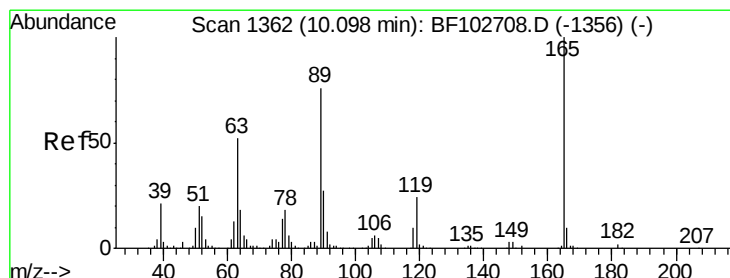
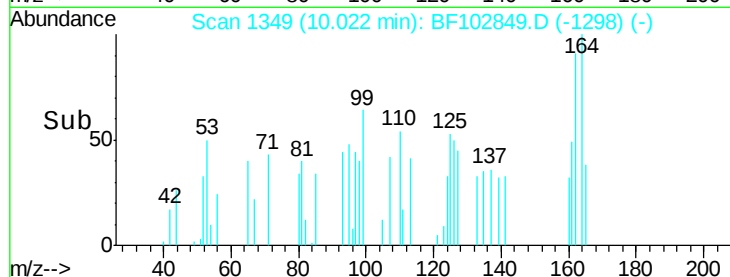
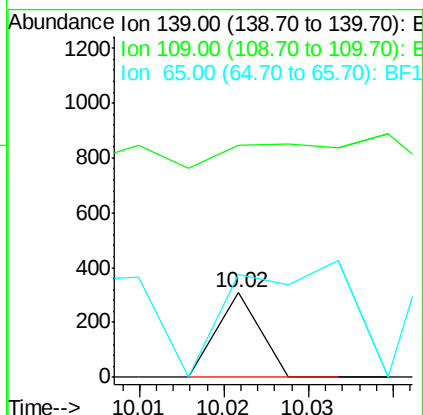
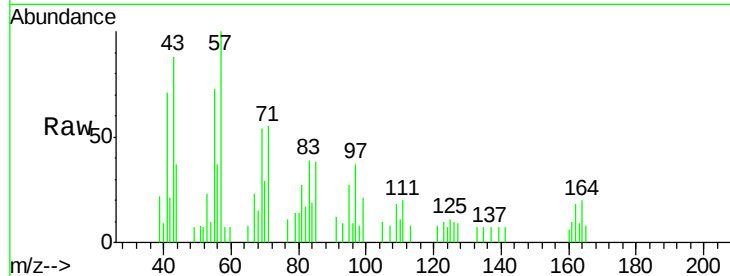




#55
4-Nitrophenol
Concen: 4.041 ng
RT: 10.02 min Scan# 1349
Delta R.T. 0.00 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

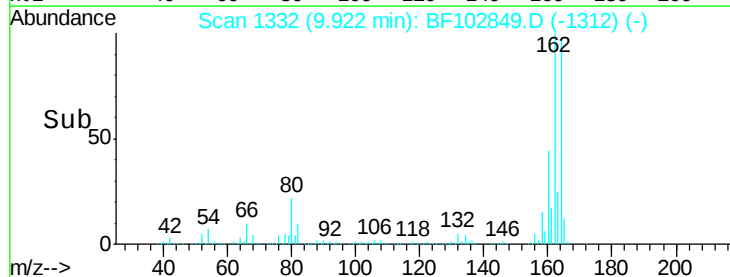
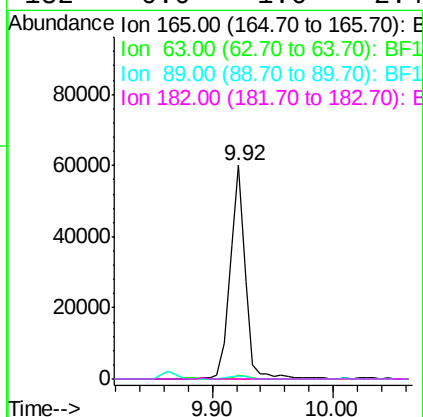
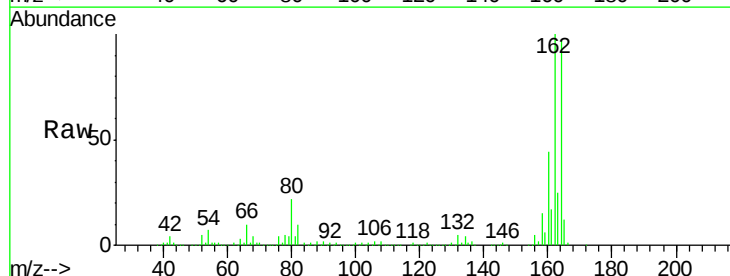
Instrument :
BNA_F
ClientSampled :

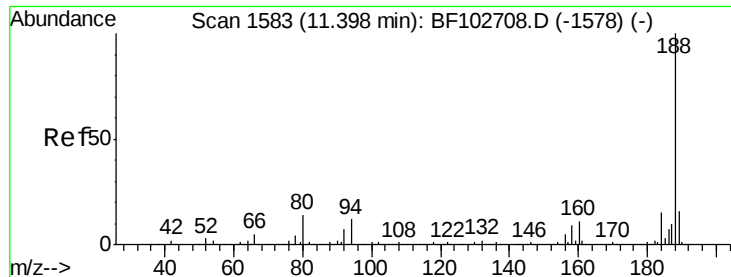
Tot Ion:139 Resp: 108
Ion Ratio Lower Upper
139 100
109 276.2 48.4 88.4#
65 122.5 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 9.252 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.18 min
Lab File: BF102849.D
Acq: 8 Feb 2018 12:09

Tgt Ion:165 Resp: 52415
Ion Ratio Lower Upper
165 100
63 1.6 36.4 54.6#
89 1.1 57.8 86.6#
182 0.0 1.6 2.4#

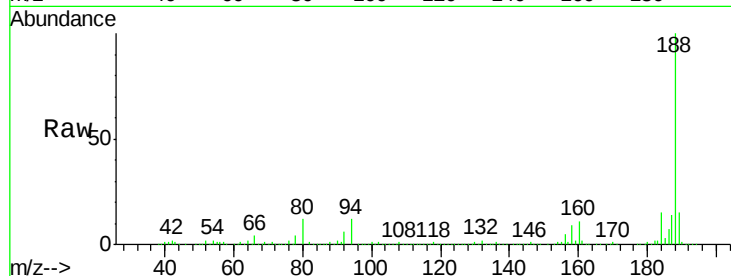




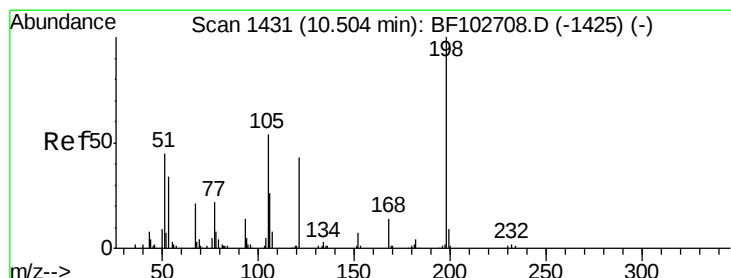
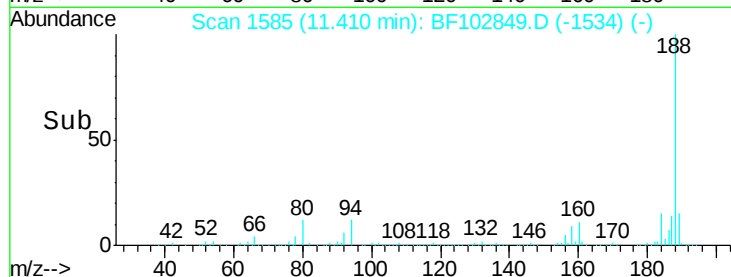
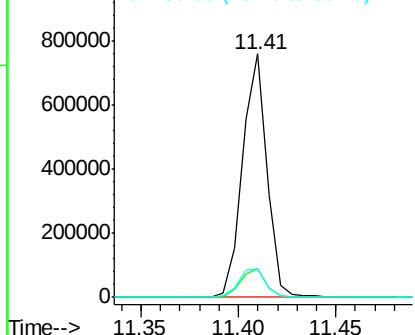
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: BF102849.D
 Acq: 8 Feb 2018 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 659314
 Ion Ratio Lower Upper
 188 100
 94 11.8 8.5 12.7
 80 12.0 9.2 13.8

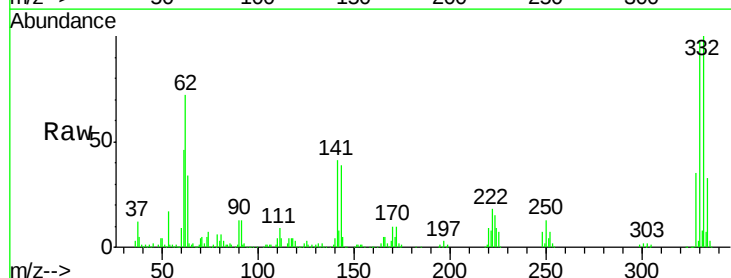


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

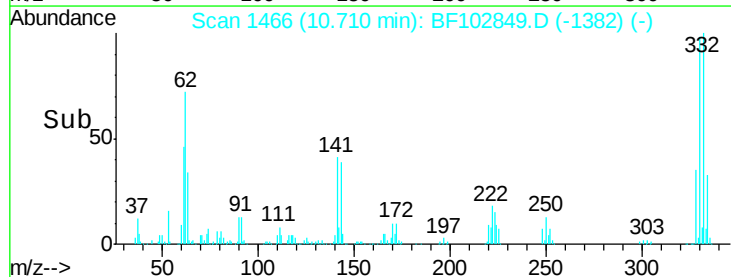
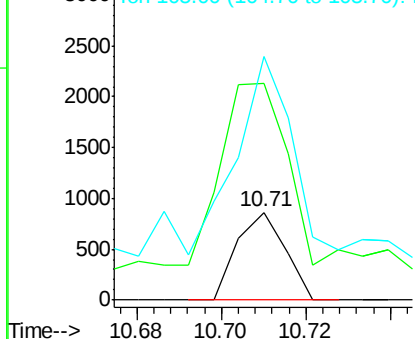


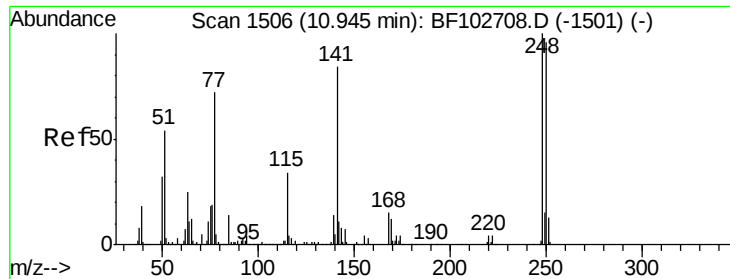
#64
 4,6-Dinitro-2-methylphenol
 Concen: 9.022 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. 0.19 min
 Lab File: BF102849.D
 Acq: 8 Feb 2018 12:09

Tgt Ion:198 Resp: 682
 Ion Ratio Lower Upper
 198 100
 51 246.0 37.7 77.7#
 105 276.9 36.3 76.3#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

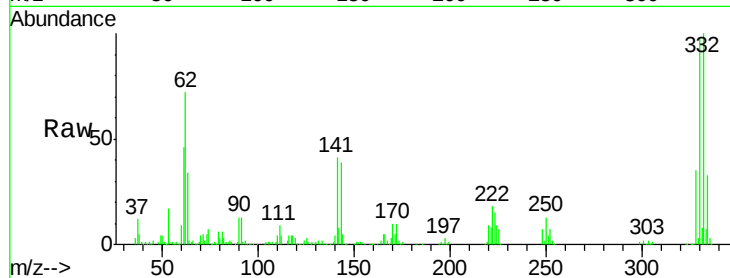




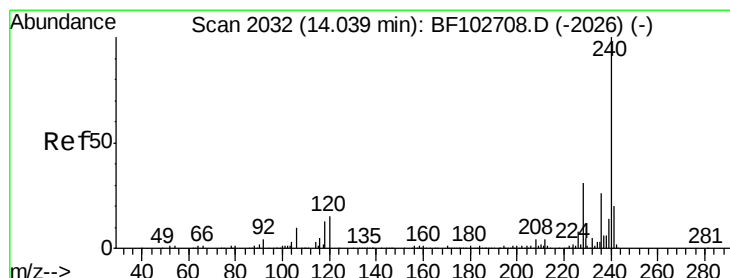
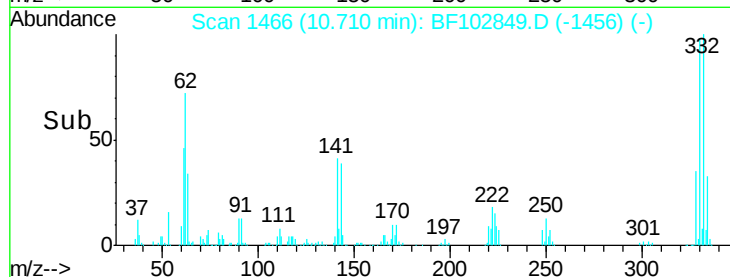
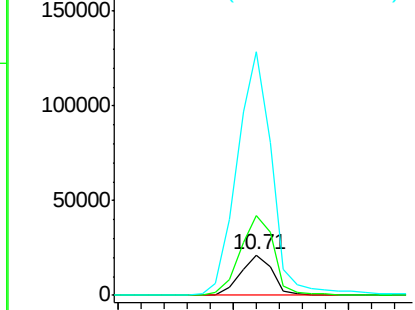
#66
 4-Bromophenyl-phenylether
 Concen: 2.962 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.24 min
 Lab File: BF102849.D
 Acq: 8 Feb 2018 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 20659
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.9 115.3#
 141 606.5 74.4 111.6#

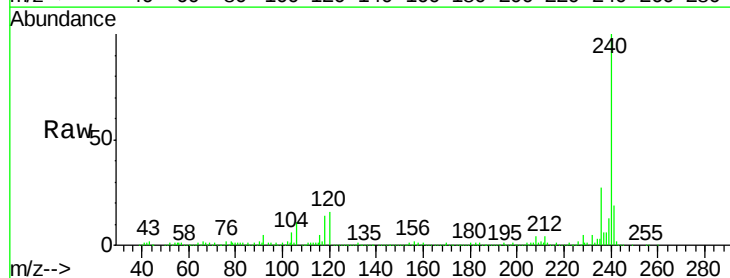


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

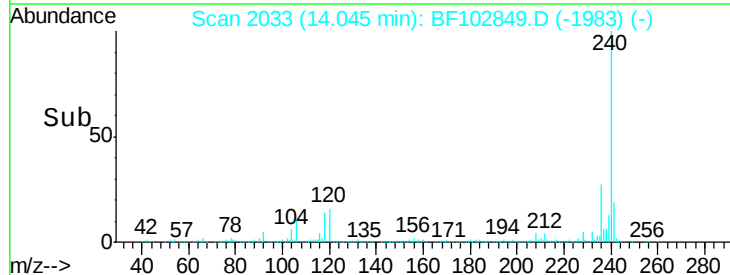
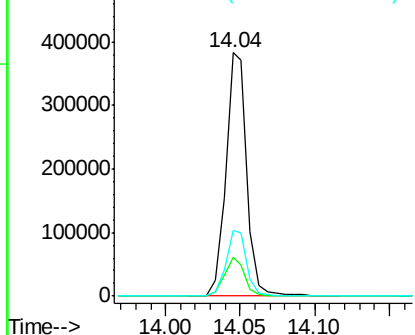


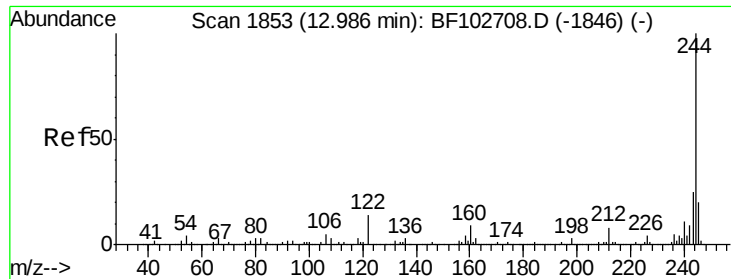
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. -0.01 min
 Lab File: BF102849.D
 Acq: 8 Feb 2018 12:09

Tgt Ion:240 Resp: 378037
 Ion Ratio Lower Upper
 240 100
 120 16.1 9.5 14.3#
 236 27.0 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

Terphenyl-d14

Concen: 75.598 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

Instrument :

BNA_F

ClientSampleId :

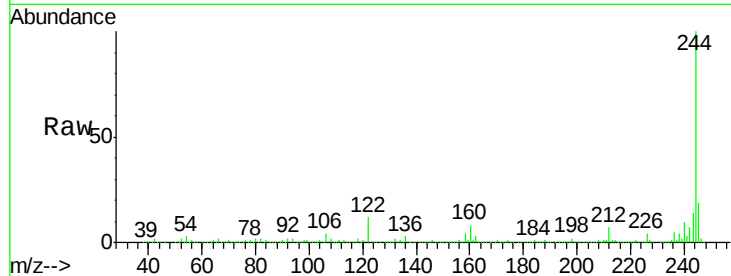
Tot Ion:244 Resp: 1206990

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

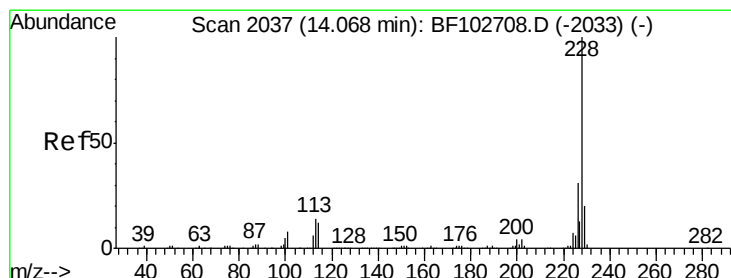
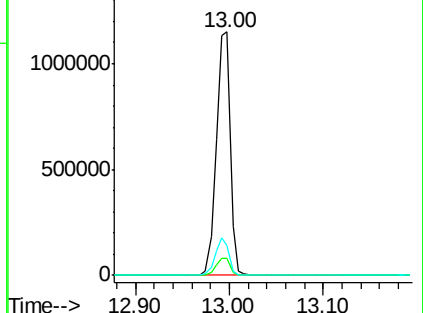
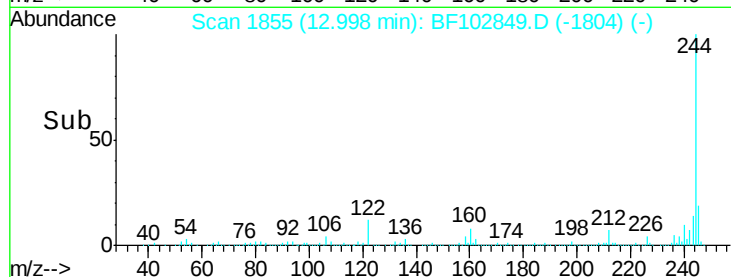
122 12.4 11.0 16.4



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



#82

Chrysene

Concen: 2.419 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

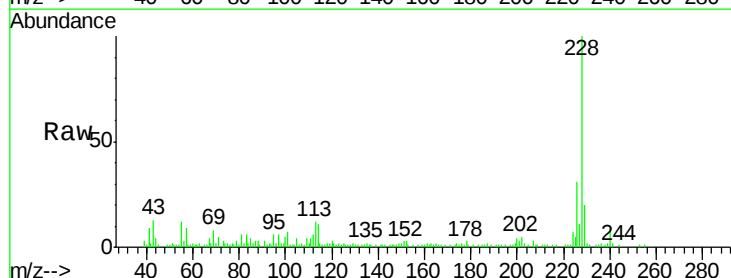
Tgt Ion:228 Resp: 57968

Ion Ratio Lower Upper

228 100

226 31.4 25.0 37.6

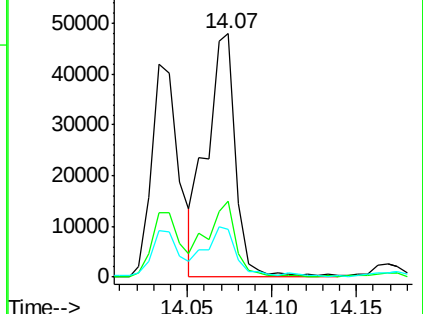
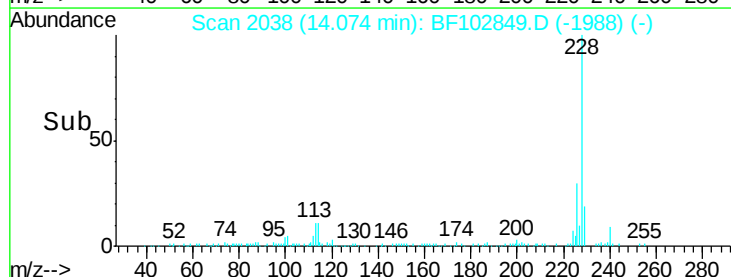
229 19.5 16.2 24.4

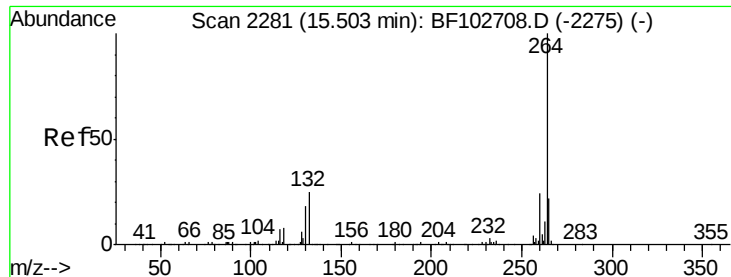


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2285

Delta R.T. 0.00 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

Instrument :

BNA_F

ClientSampleId :

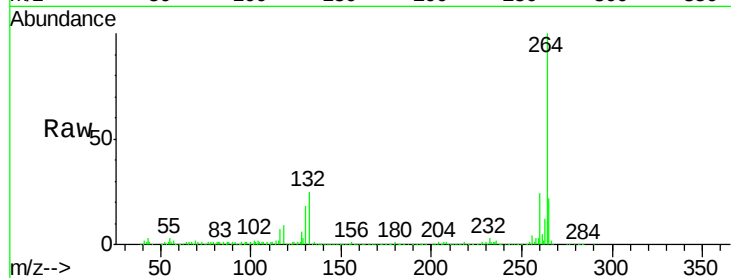
Tot Ion:264 Resp: 378212

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

265 21.6 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

300000

200000

100000

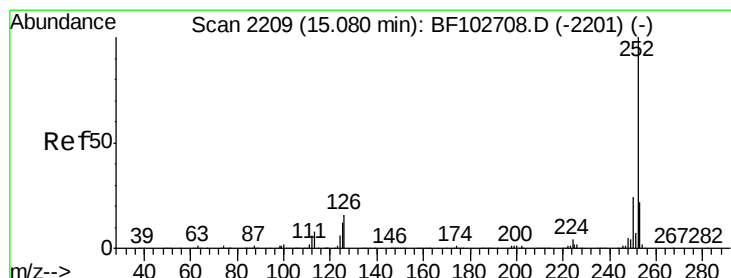
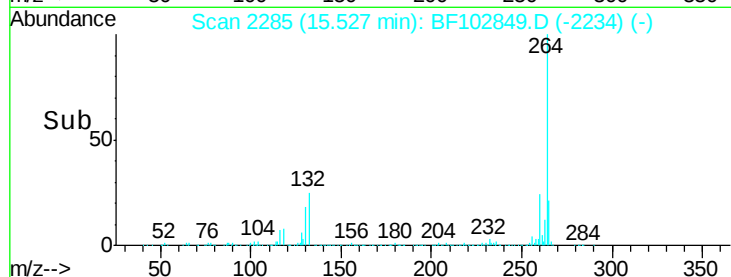
0

15.53

15.50

15.60

Time-->



#87

Benzo(b)fluoranthene

Concen: 5.044 ng

RT: 15.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BF102849.D

Acq: 8 Feb 2018 12:09

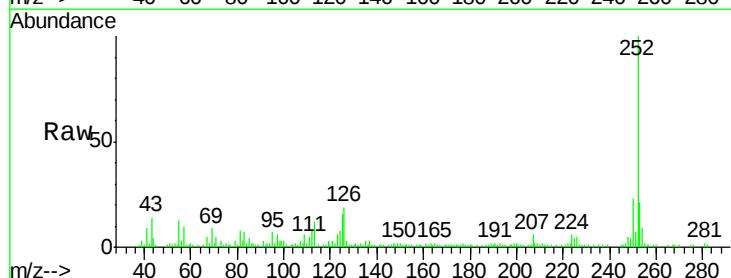
Tgt Ion:252 Resp: 123689

Ion Ratio Lower Upper

252 100

253 21.0 17.0 25.6

125 15.5 9.0 13.6#



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

80000

60000

40000

20000

0

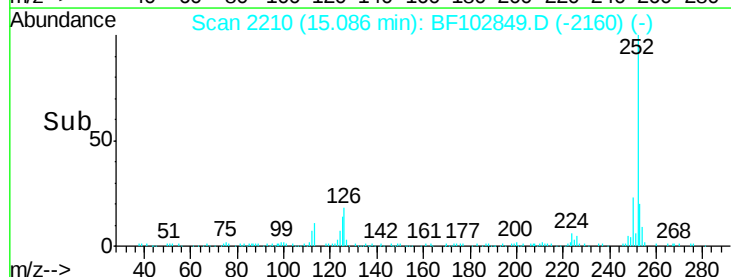
15.09

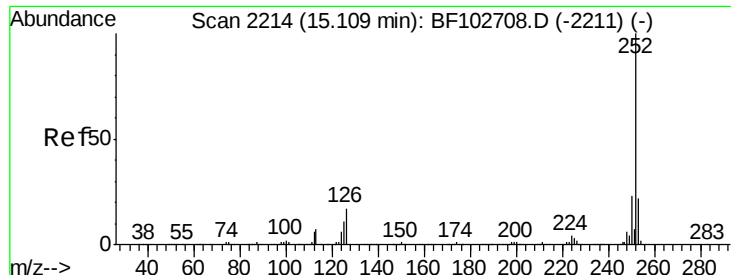
15.00

15.10

15.20

Time-->





#88
 Benzo(k)fluoranthene
 Concen: 5.279 ng
 RT: 15.09 min Scan# 2210
 Delta R.T. -0.04 min
 Lab File: BF102849.D
 Acq: 8 Feb 2018 12:09

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.9	26.9
125	15.5	10.2	15.2

