

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102918\
 Data File : BF110275.D
 Acq On : 29 Oct 2018 21:18
 Operator : JU/SJ
 Sample : J5665-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 DL-06B

Quant Time: Oct 30 10:10:18 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 29 17:29:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	75501	20.00	ng	0.01
21) Naphthalene-d8	8.28	136	253350	20.00	ng	0.03
39) Acenaphthene-d10	10.02	164	178742	20.00	ng	0.00
64) Phenanthrene-d10	11.50	188	276336	20.00	ng	0.00
76) Chrysene-d12	14.15	240	189656	20.00	ng	0.00
87) Perylene-d12	15.69	264	154872	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	469639	101.29	ng	0.01
7) Phenol-d6	6.60	99	691664	116.63	ng	0.00
23) Nitrobenzene-d5	7.57	82	372285	87.16	ng	0.04
42) 2,4,6-Tribromophenol	10.81	330	140199	79.18	ng	0.00
45) 2-Fluorobiphenyl	9.33	172	870826	76.50	ng	0.00
79) Terphenyl-d14	13.09	244	668696	73.33	ng	0.00

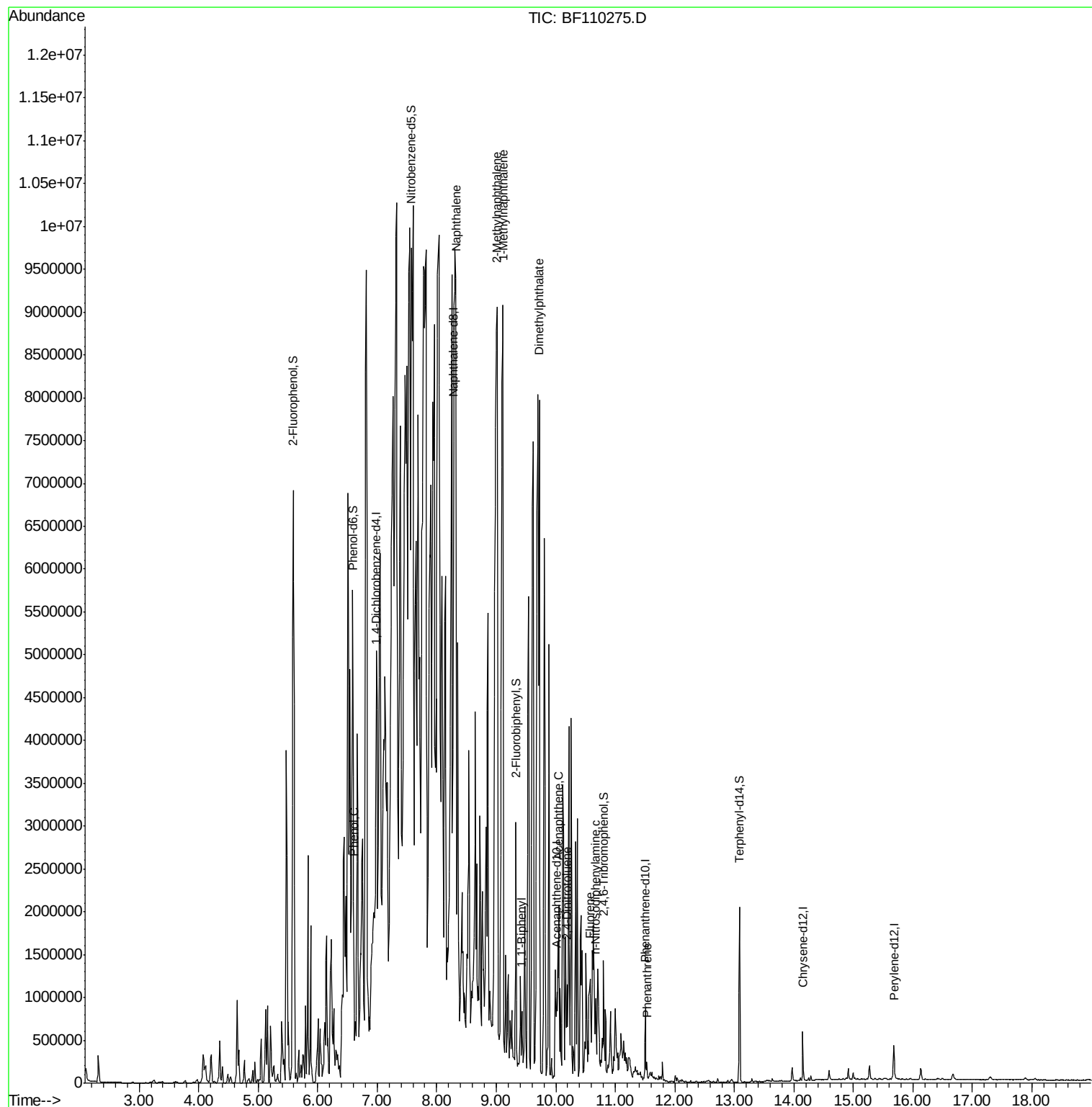
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	52217	8.237	ng	# 72
31) Naphthalene	8.33	128	6967700	596.723	ng	# 94
37) 2-Methylnaphthalene	9.01	142	7937793	1027.464	ng	# 96
38) 1-Methylnaphthalene	9.12	142	5245232	702.569	ng	# 98
46) 1,1'-Biphenyl	9.43	154	226000	13.982	ng	# 99
50) Dimethylphthalate	9.73	163	92239	6.991	ng	# 98
52) Acenaphthene	10.05	154	187850	16.581	ng	# 78
57) 2,4-Dinitrotoluene	10.19	165	102499	28.393	ng	# 33
58) Fluorene	10.57	166	154869	13.119	ng	# 71
66) n-Nitrosodiphenylamine	10.67	169	170053	18.762	ng	# 40
71) Phenanthrene	11.53	178	61508	4.254	ng	# 98

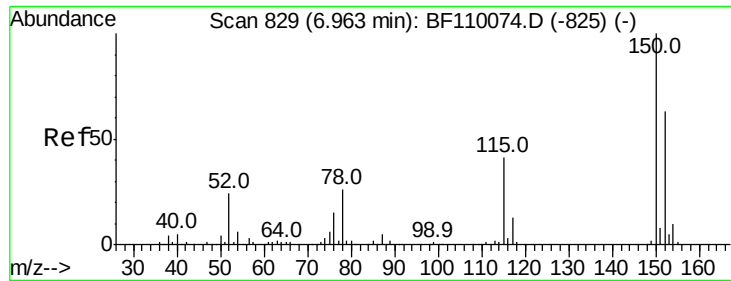
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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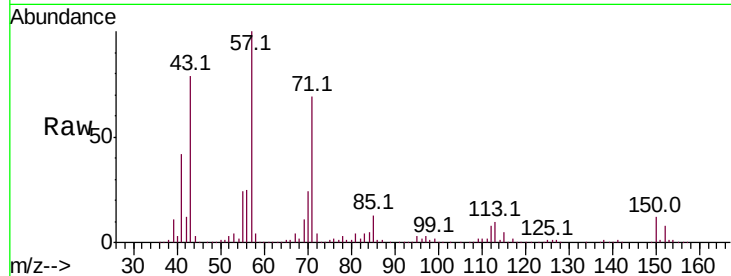


#1

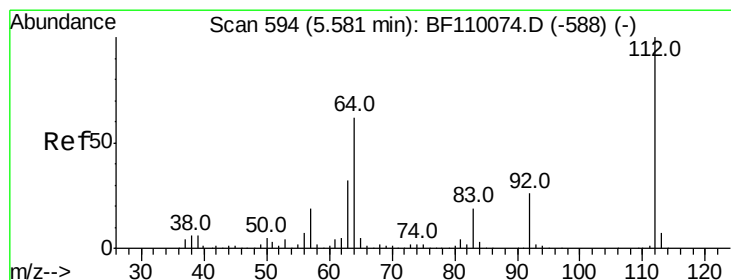
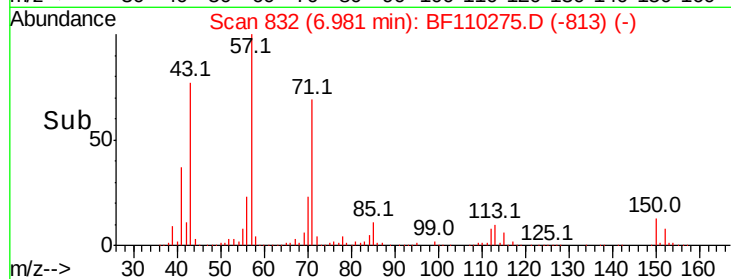
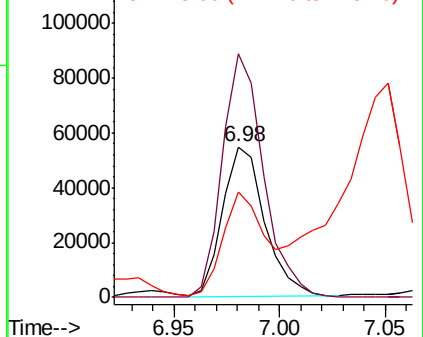
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 832
Delta R.T. 0.01 min
Lab File: BF110275.D
Acq: 29 Oct 2018 21:18

Instrument :
BNA_F
ClientSampled :
DL-06B

Tot Ion:152 Resp: 75501
Ion Ratio Lower Upper
152 100
150 161.8 122.7 184.1
115 70.1 49.1 73.7



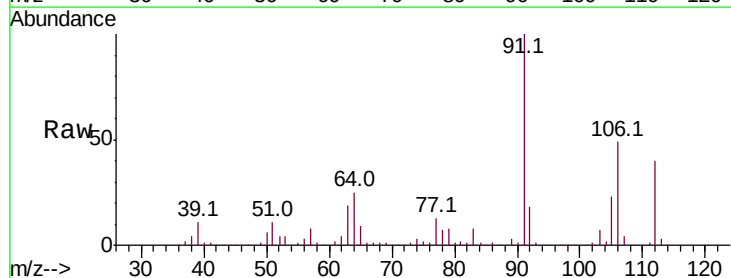
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



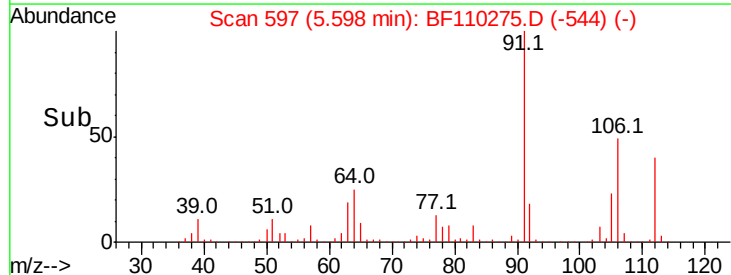
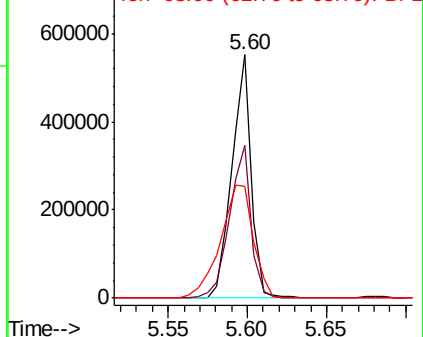
#5

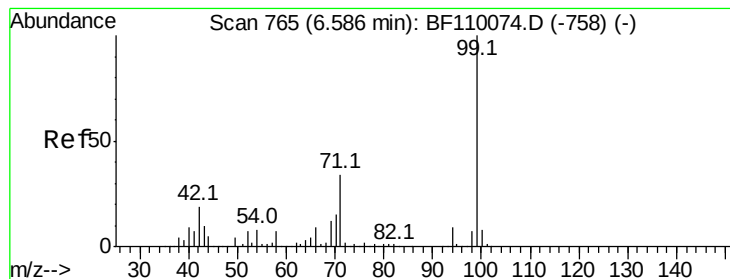
2-Fluorophenol
Concen: 101.295 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110275.D
Acq: 29 Oct 2018 21:18

Tgt Ion:112 Resp: 469639
Ion Ratio Lower Upper
112 100
64 62.8 44.1 66.1
63 46.0 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: 116.633 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Instrument :

BNA_F

ClientSampled :

DL-06B

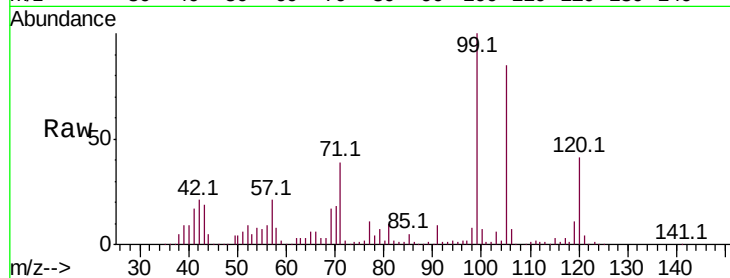
Tot Ion: 99 Resp: 691664

Ion Ratio Lower Upper

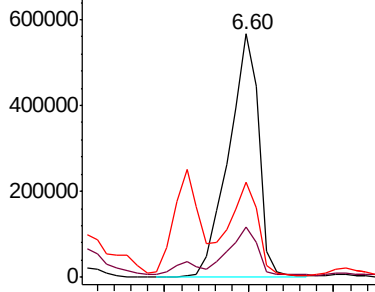
99 100

42 20.6 15.8 23.6

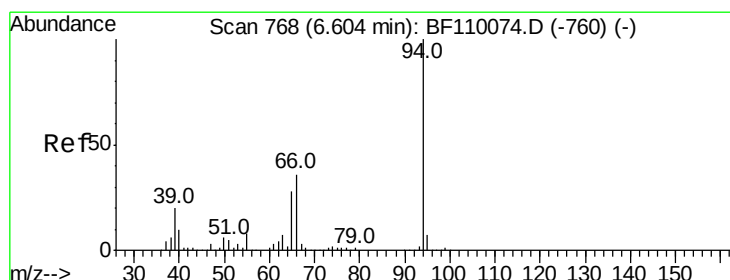
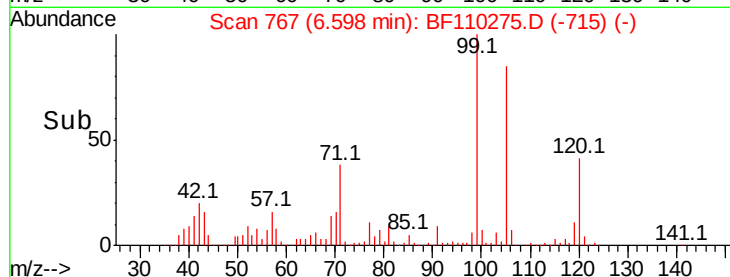
71 39.2 28.0 42.0



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



Time-->



#10

Phenol

Concen: 8.237 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

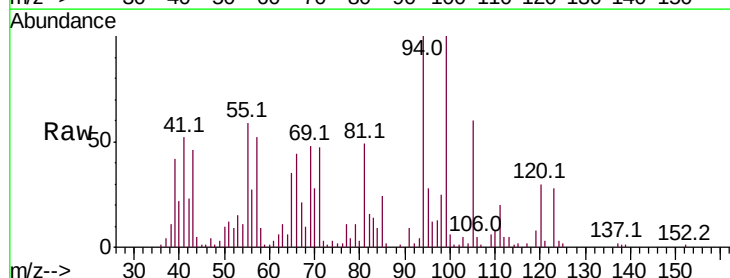
Tgt Ion: 94 Resp: 52217

Ion Ratio Lower Upper

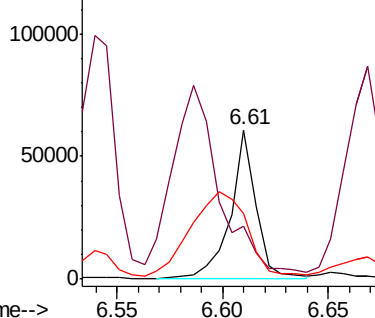
94 100

65 35.0 25.3 65.3

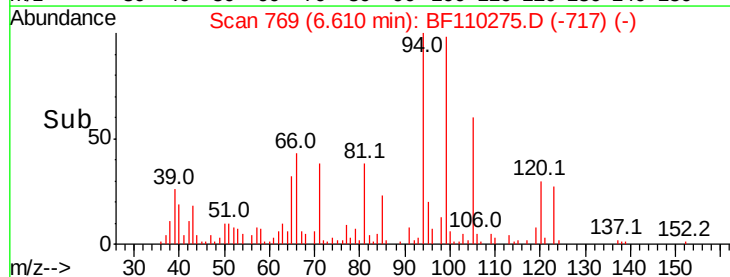
66 44.1 54.5 94.5#

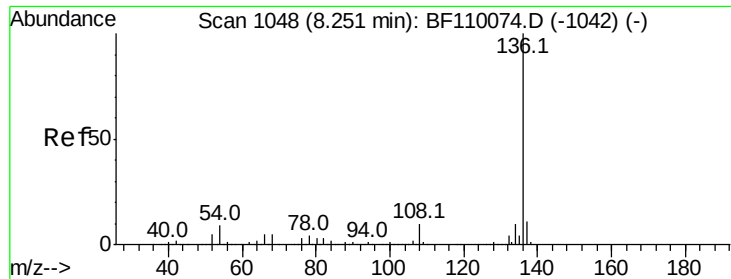


Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.28 min Scan# 1053

Delta R.T. 0.03 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Instrument :

BNA_F

ClientSampleId :

DL-06B

Tot Ion:136 Resp: 253350

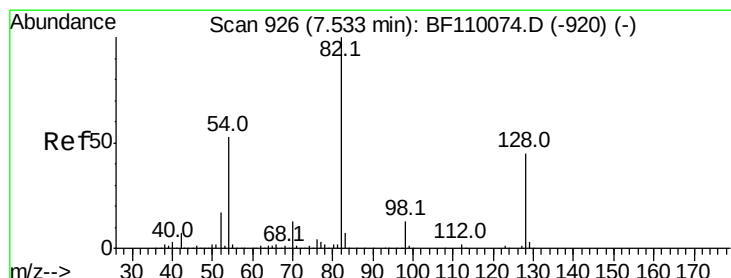
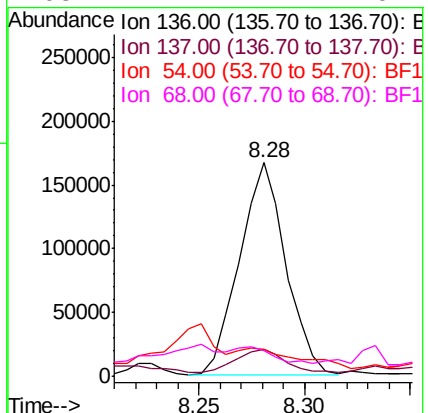
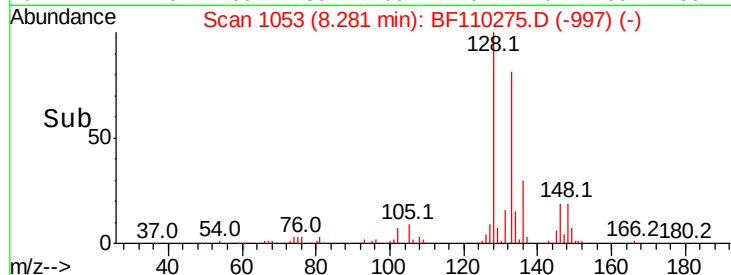
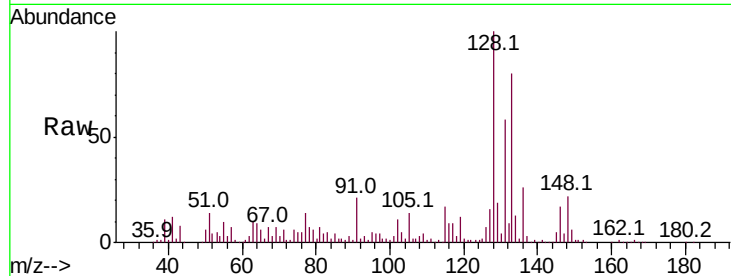
Ion Ratio Lower Upper

136 100

137 12.6 8.8 13.2

54 12.5 5.4 8.2#

68 12.2 4.2 6.2#



#23

Nitrobenzene-d5

Concen: 87.158 ng

RT: 7.57 min Scan# 932

Delta R.T. 0.04 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

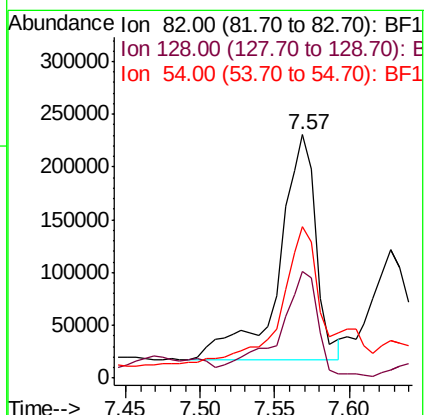
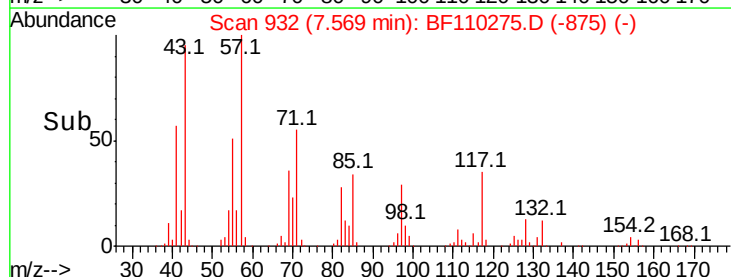
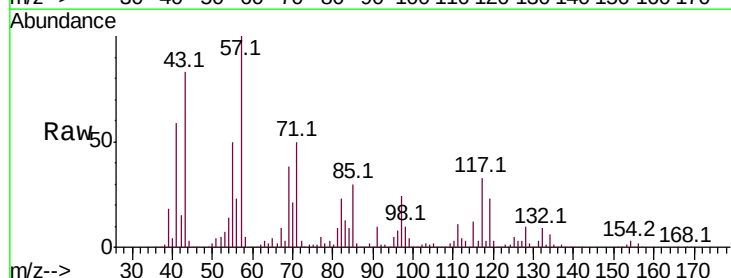
Tgt Ion: 82 Resp: 372285

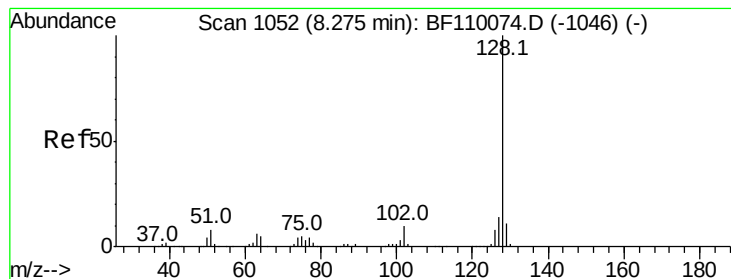
Ion Ratio Lower Upper

82 100

128 43.8 34.2 51.2

54 62.0 38.6 58.0#





#31

Naphthalene

Concen: 596.723 ng

RT: 8.33 min Scan# 1061

Delta R.T. 0.05 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Instrument :

BNA_F

ClientSampleId :

DL-06B

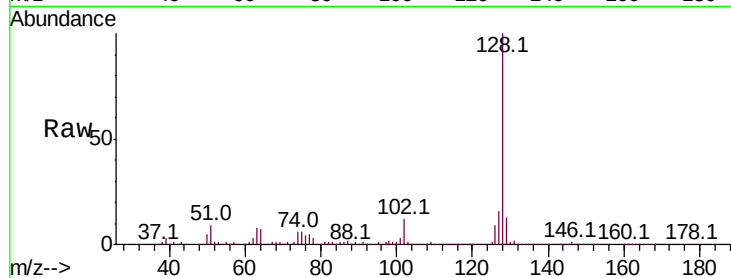
Tot Ion:128 Resp: 6967700

Ion Ratio Lower Upper

128 100

129 13.0 8.8 13.2

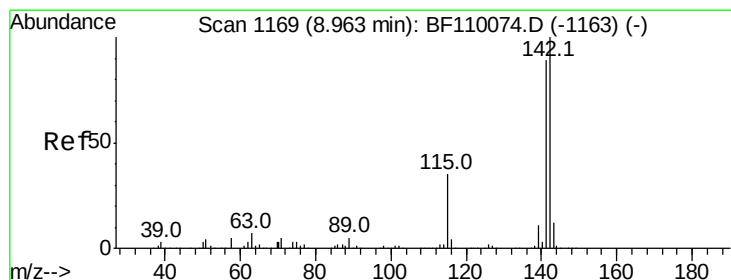
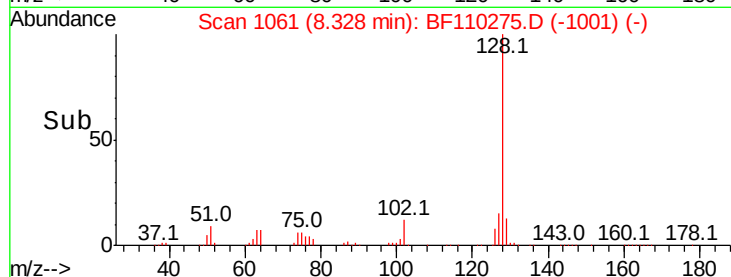
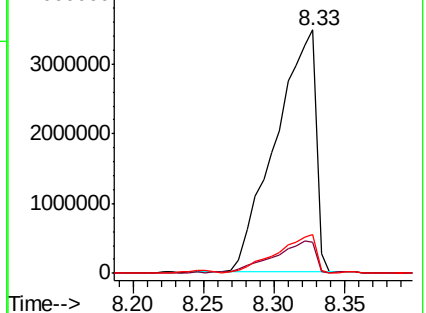
127 16.0 10.8 16.2



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: 1027.464 ng

RT: 9.01 min Scan# 1177

Delta R.T. 0.04 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

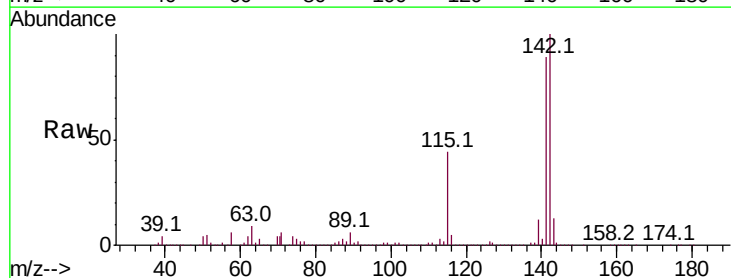
Tgt Ion:142 Resp: 7937793

Ion Ratio Lower Upper

142 100

141 89.2 71.4 107.2

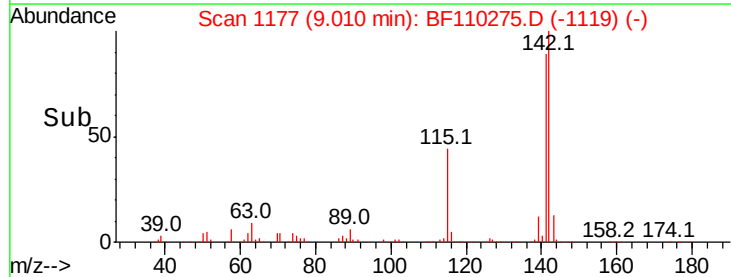
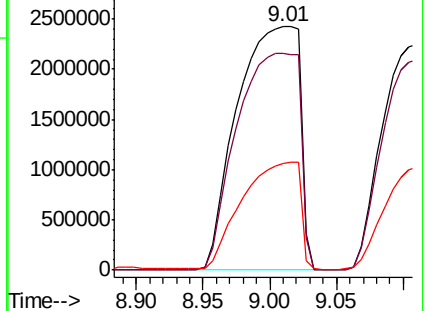
115 43.7 28.7 43.1#

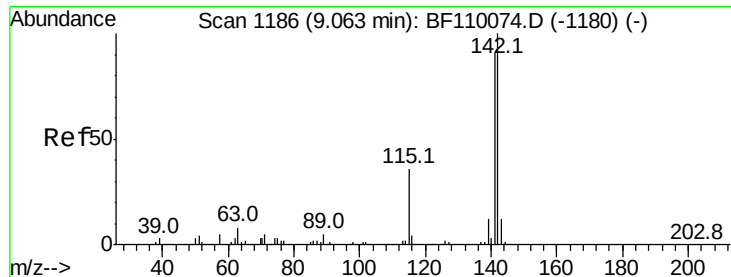


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

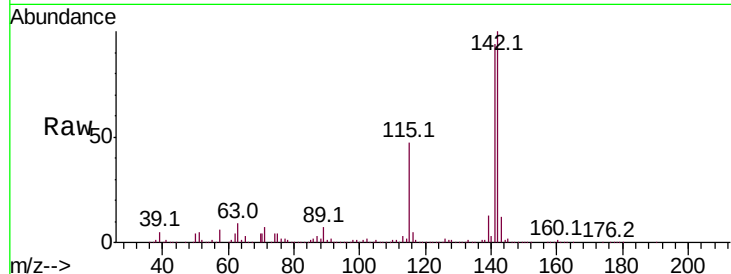




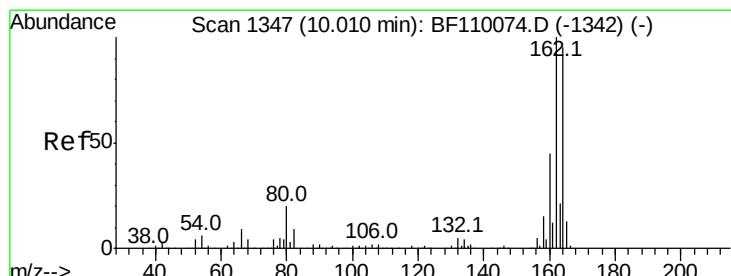
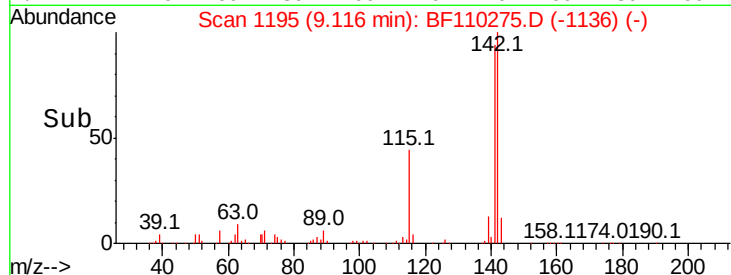
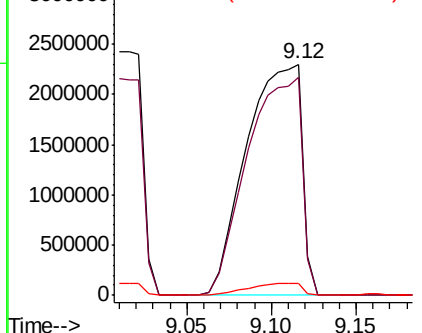
#38
 1-Methylnaphthalene
 Concen: 702.569 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.05 min
 Lab File: BF110275.D
 Acq: 29 Oct 2018 21:18

Instrument :
 BNA_F
 ClientSampleId :
 DL-06B

Tot Ion:142 Resp: 5245232
 Ion Ratio Lower Upper
 142 100
 141 94.2 74.2 111.4
 116 5.0 2.6 4.0#

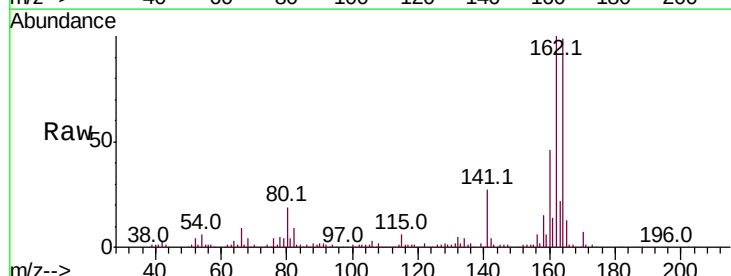


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

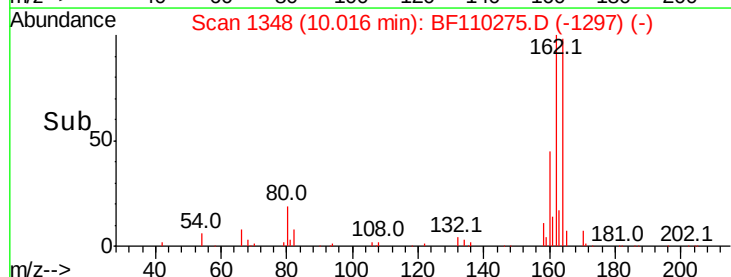
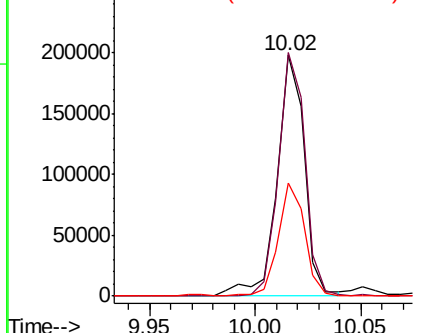


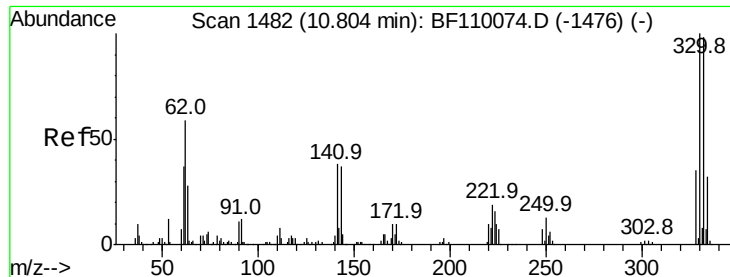
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: BF110275.D
 Acq: 29 Oct 2018 21:18

Tgt Ion:164 Resp: 178742
 Ion Ratio Lower Upper
 164 100
 162 101.2 83.0 124.6
 160 46.9 37.0 55.6



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

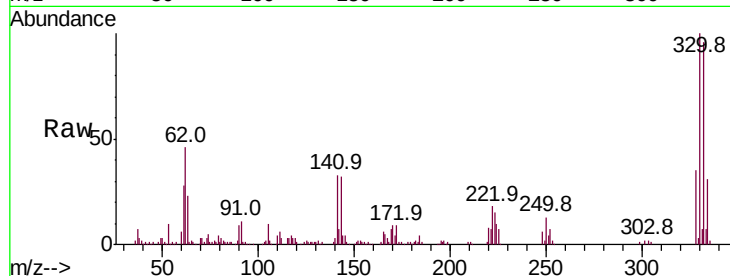




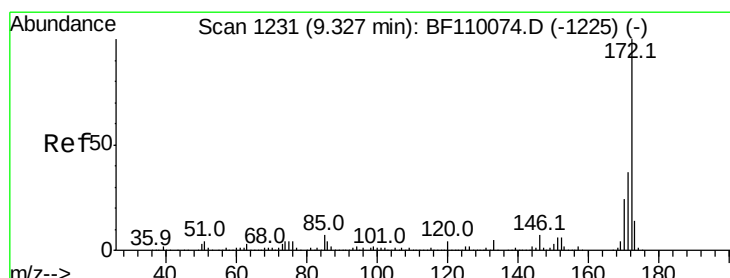
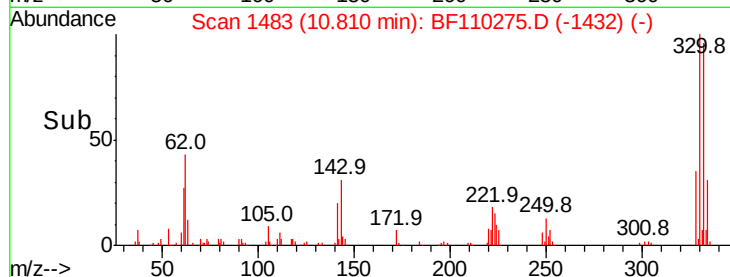
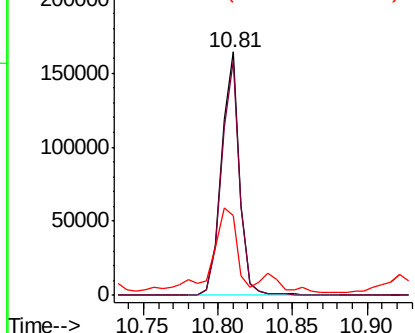
#42
 2,4,6-Tribromophenol
 Concen: 79.184 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: BF110275.D
 Acq: 29 Oct 2018 21:18

Instrument :
 BNA_F
 ClientSampleId :
 DL-06B

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.1	115.7
141	45.6	27.0	40.4

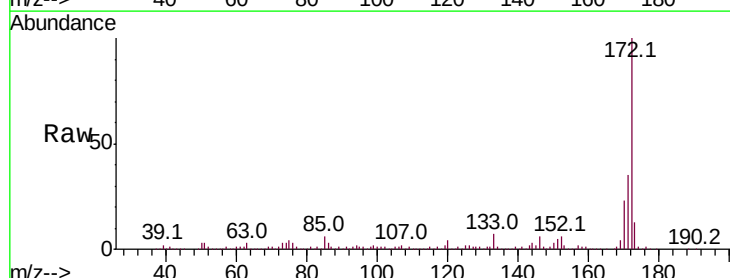


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

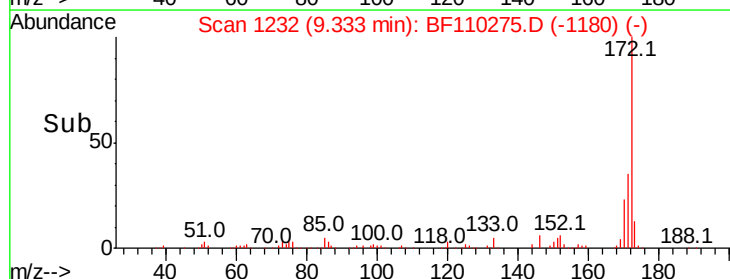
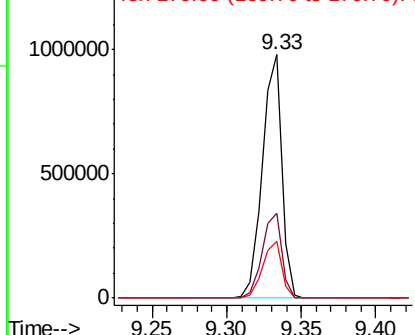


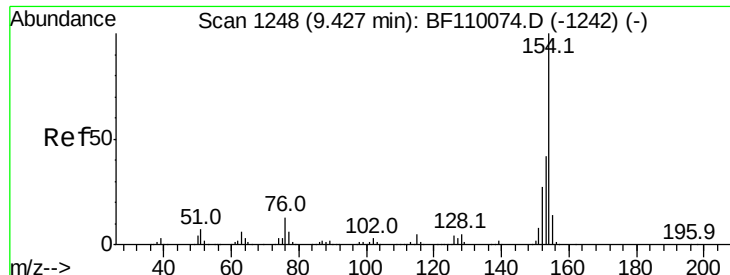
#45
 2-Fluorobiphenyl
 Concen: 76.503 ng
 RT: 9.33 min Scan# 1232
 Delta R.T. 0.01 min
 Lab File: BF110275.D
 Acq: 29 Oct 2018 21:18

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.6	43.0
170	23.3	19.7	29.5



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





#46

1,1'-Biphenyl

Concen: 13.982 ng

RT: 9.43 min Scan# 1249

Delta R.T. 0.00 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Instrument :

BNA_F

ClientSampleId :

DL-06B

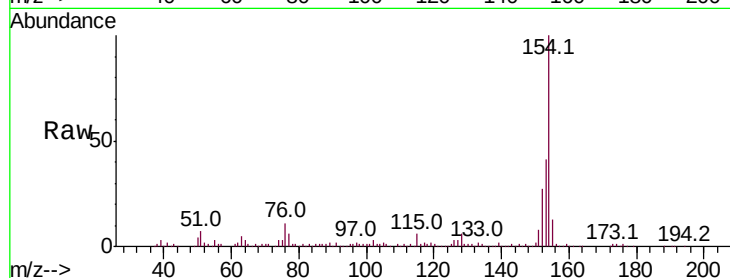
Tot Ion:154 Resp: 226000

Ion Ratio Lower Upper

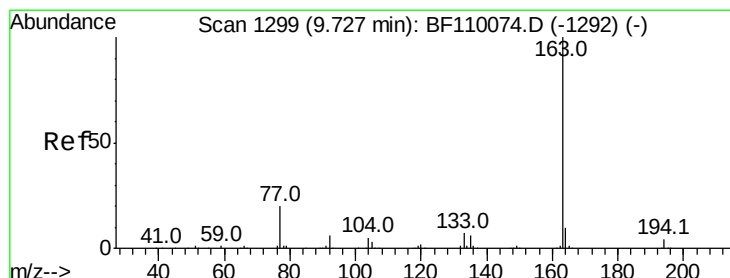
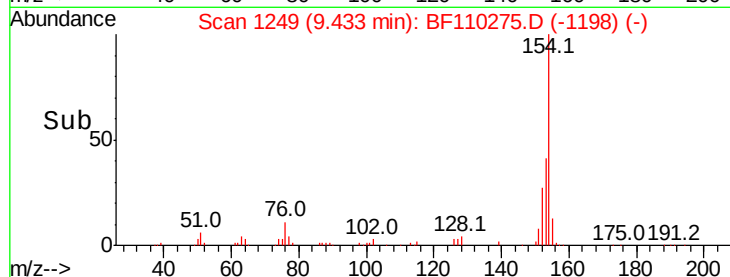
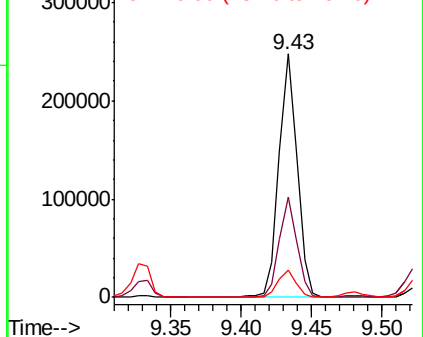
154 100

153 41.0 20.4 60.4

76 11.3 0.0 31.9



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#50

Dimethylphthalate

Concen: 6.991 ng

RT: 9.73 min Scan# 1299

Delta R.T. 0.00 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

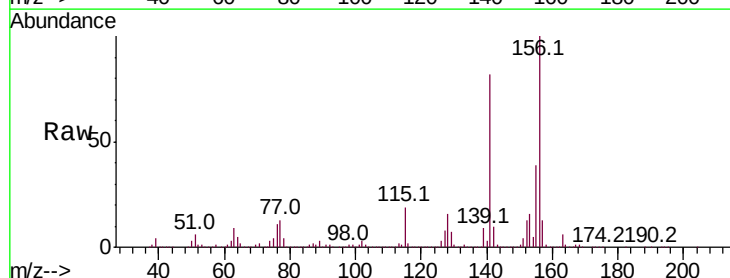
Tgt Ion:163 Resp: 92239

Ion Ratio Lower Upper

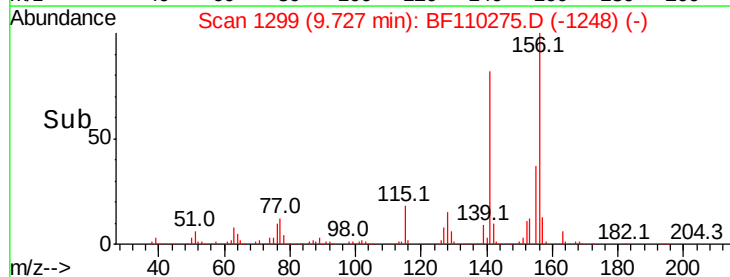
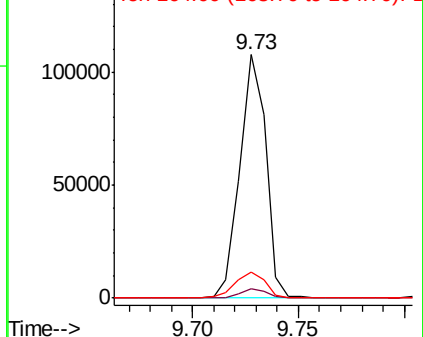
163 100

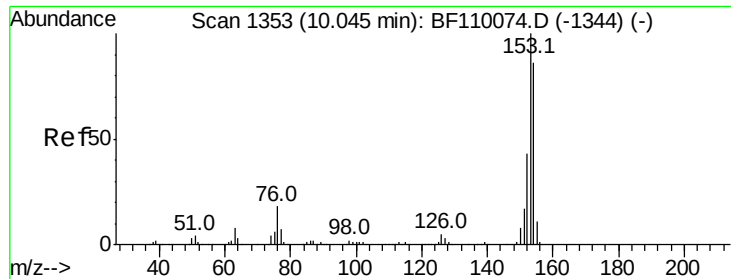
194 3.7 3.2 4.8

164 10.8 8.1 12.1



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





#52

Acenaphthene

Concen: 16.581 ng

RT: 10.05 min Scan# 1354

Delta R.T. 0.00 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Instrument :

BNA_F

ClientSampleId :

DL-06B

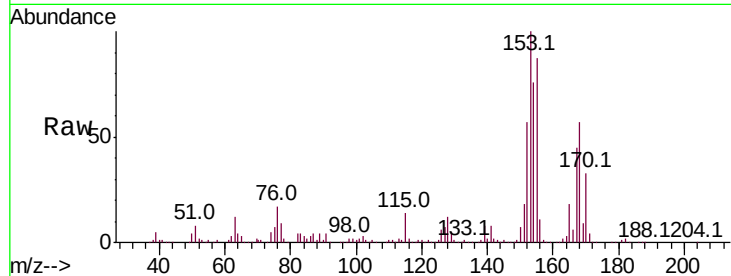
Tot Ion:154 Resp: 187850

Ion Ratio Lower Upper

154 100

153 131.9 90.1 135.1

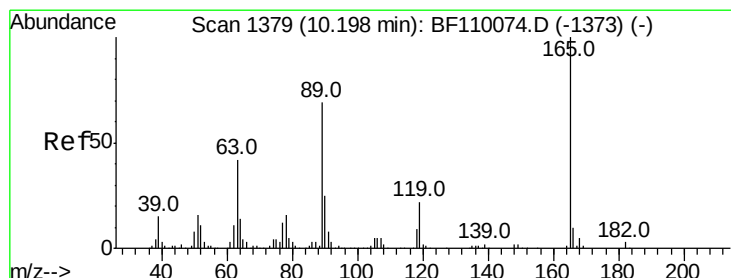
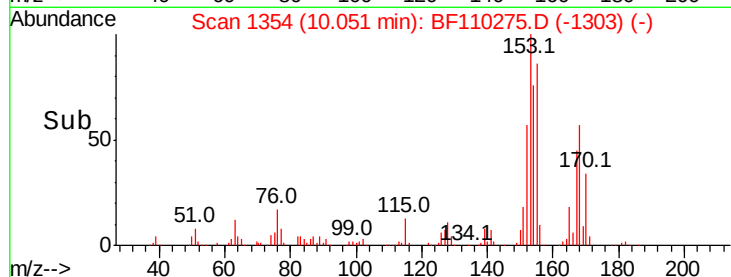
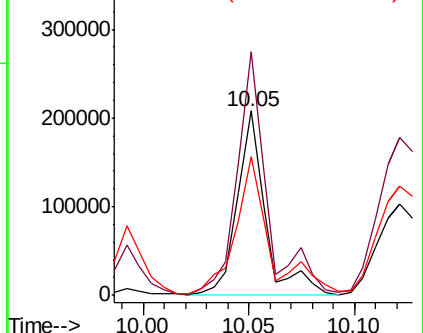
152 75.0 43.4 65.2#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 28.393 ng

RT: 10.19 min Scan# 1378

Delta R.T. -0.01 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Tgt Ion:165 Resp: 102499

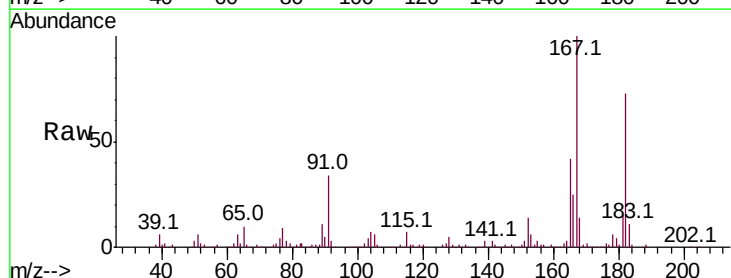
Ion Ratio Lower Upper

165 100

63 14.7 44.8 67.2#

89 25.1 62.2 93.4#

182 172.7 2.1 3.1#

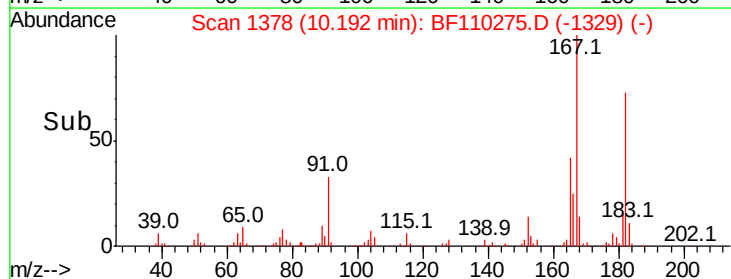
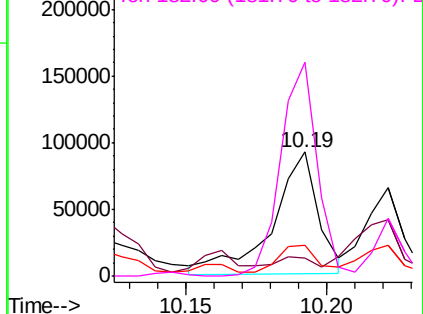


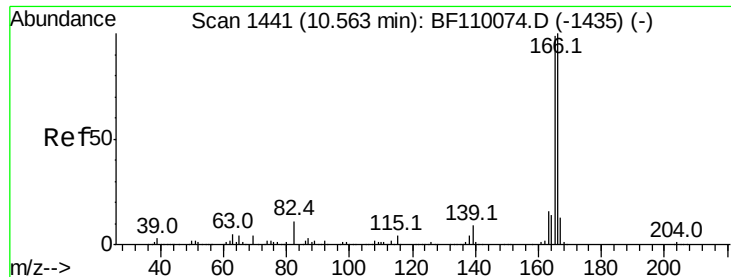
Abundance Ion 165.00 (164.70 to 165.70): E

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

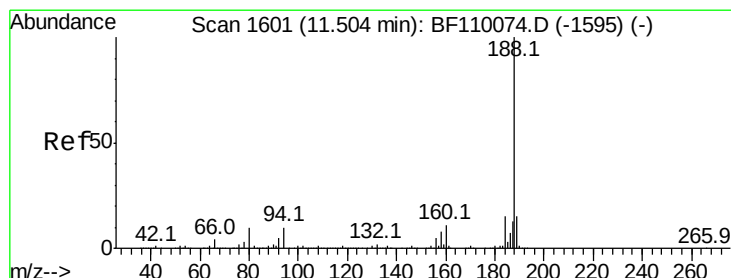
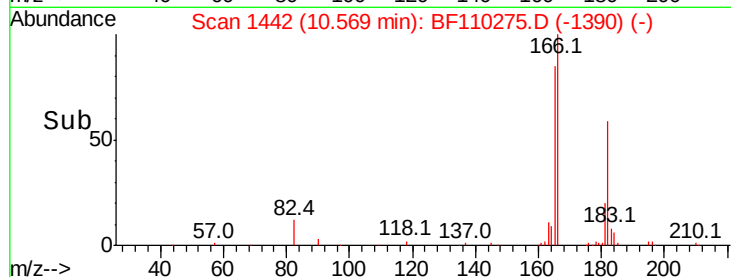
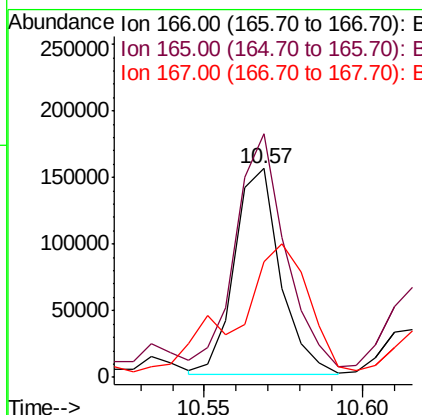
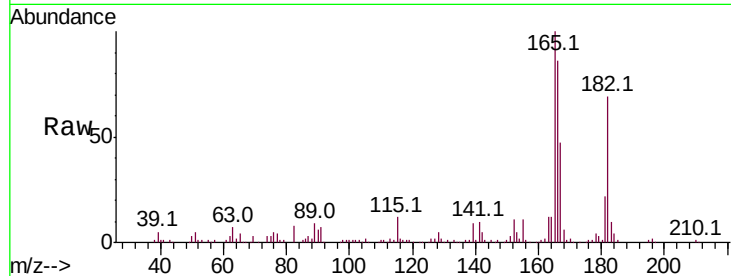




#58
 Fluorene
 Concen: 13.119 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF110275.D
 Acq: 29 Oct 2018 21:18

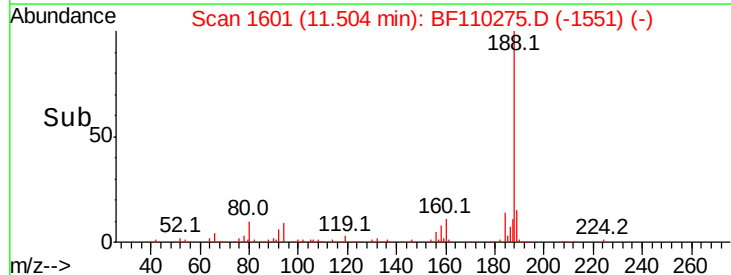
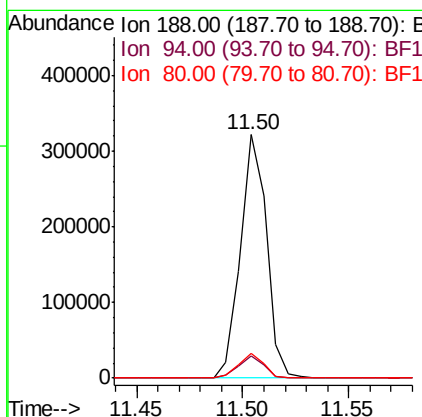
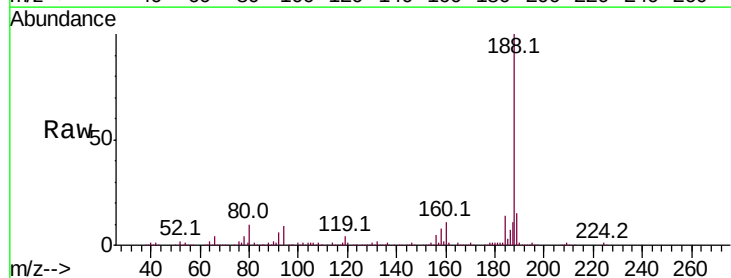
Instrument :
 BNA_F
 ClientSampleId :
 DL-06B

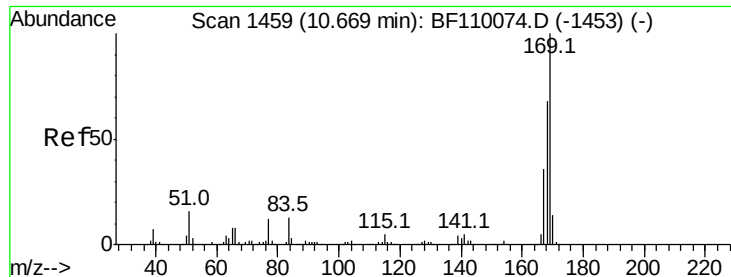
Tot Ion:166 Resp: 154869
 Ion Ratio Lower Upper
 166 100
 165 116.7 78.6 117.8
 167 55.1 10.8 16.2#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. -0.01 min
 Lab File: BF110275.D
 Acq: 29 Oct 2018 21:18

Tgt Ion:188 Resp: 276336
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.2 10.8
 80 10.3 7.9 11.9





#66

n-Nitrosodiphenylamine

Concen: 18.762 ng

RT: 10.67 min Scan# 1459

Delta R.T. 0.00 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Instrument :

BNA_F

ClientSampleId :

DL-06B

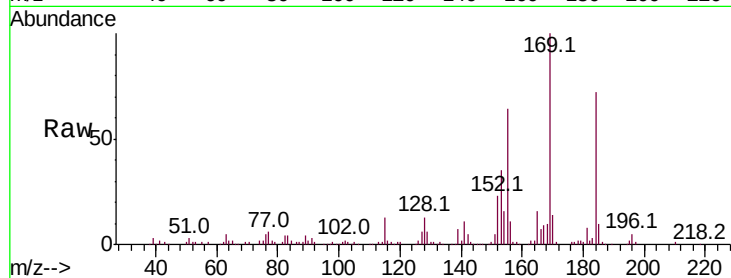
Tot Ion:169 Resp: 170053

Ion Ratio Lower Upper

169 100

168 10.1 51.2 76.8#

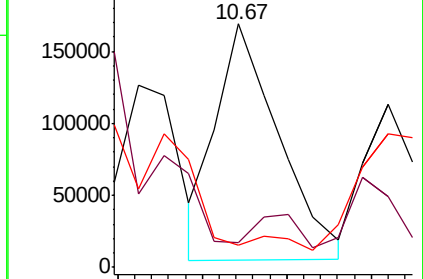
167 9.2 27.8 41.6#



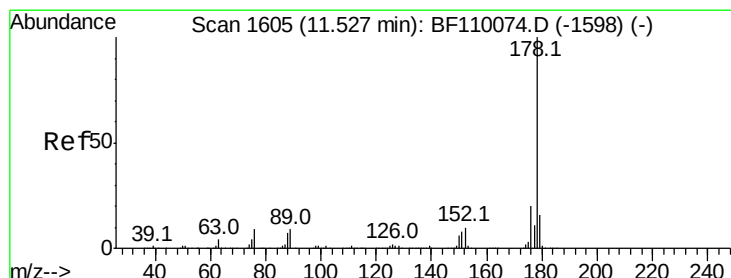
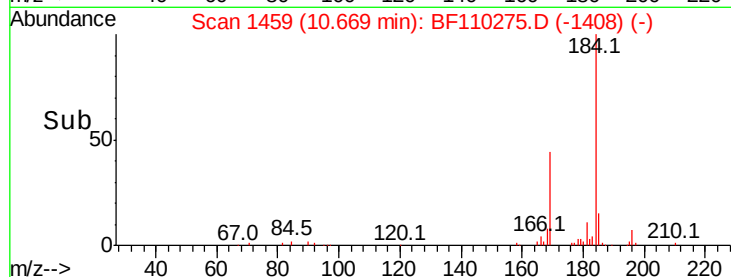
Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



Time--> 10.64 10.66 10.68 10.70



#71

Phenanthrene

Concen: 4.254 ng

RT: 11.53 min Scan# 1605

Delta R.T. -0.01 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

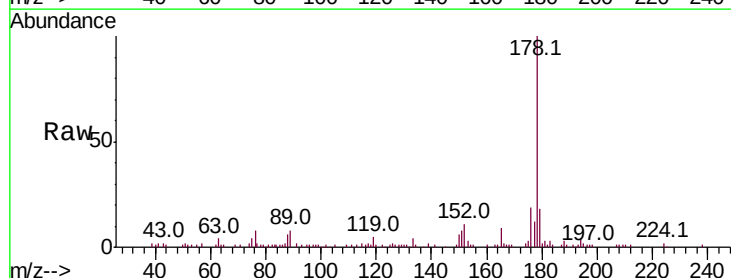
Tgt Ion:178 Resp: 61508

Ion Ratio Lower Upper

178 100

176 19.5 15.5 23.3

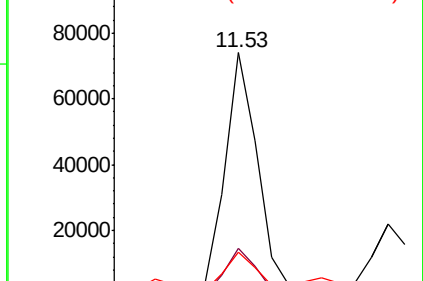
179 17.8 12.5 18.7



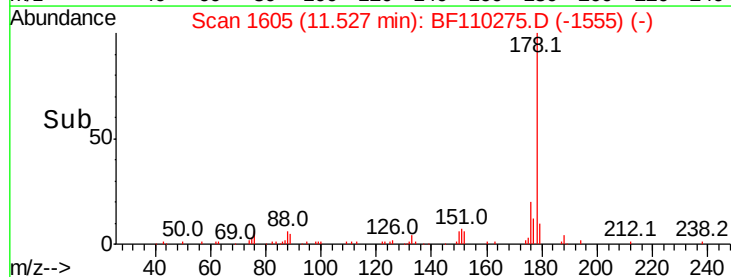
Abundance Ion 178.00 (177.70 to 178.70): E

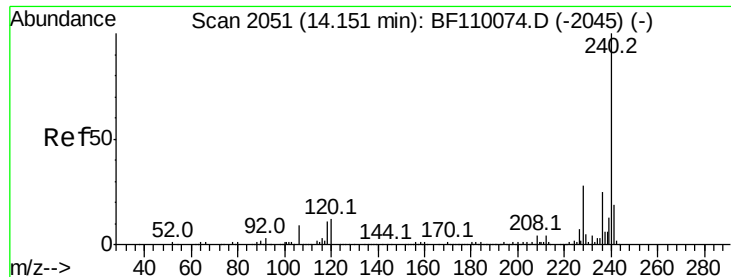
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.50 11.55





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

Instrument :

BNA_F

ClientSampleId :

DL-06B

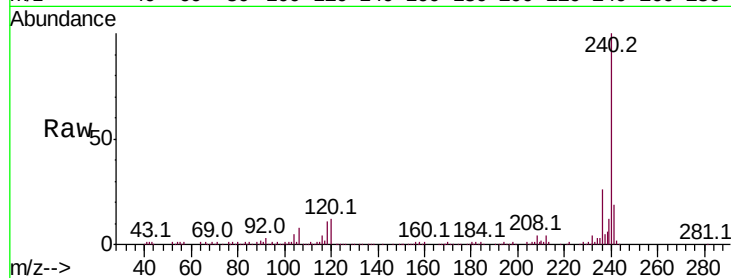
Tot Ion:240 Resp: 189656

Ion Ratio Lower Upper

240 100

120 11.7 8.3 12.5

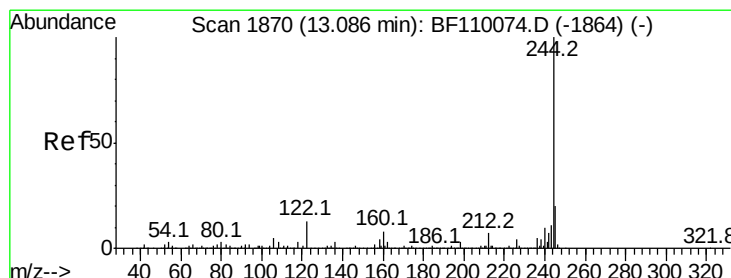
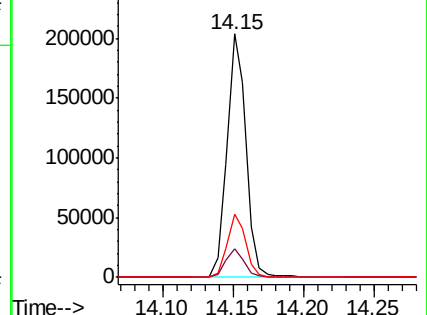
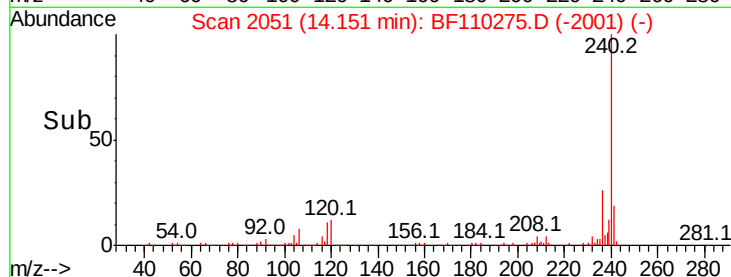
236 25.8 21.2 31.8



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



#79

Terphenyl-d14

Concen: 73.327 ng

RT: 13.09 min Scan# 1870

Delta R.T. -0.01 min

Lab File: BF110275.D

Acq: 29 Oct 2018 21:18

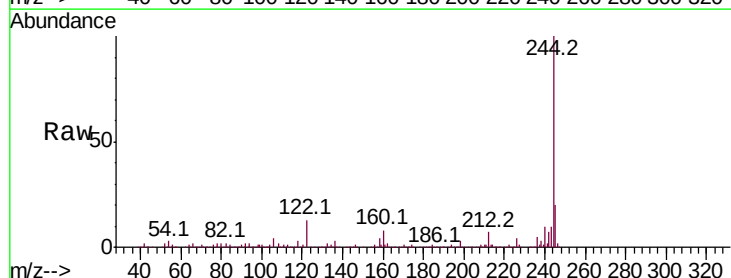
Tgt Ion:244 Resp: 668696

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

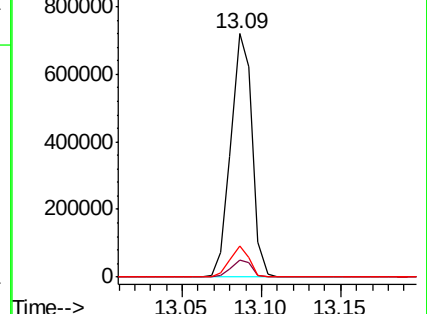
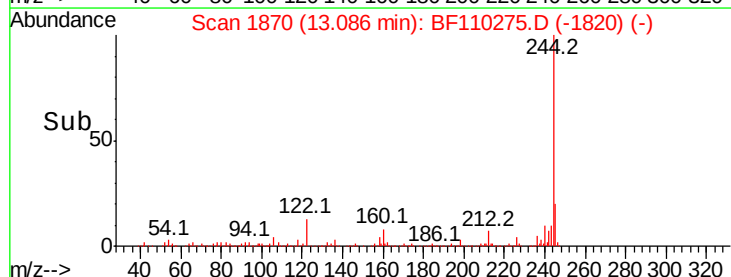
122 12.8 8.7 13.1

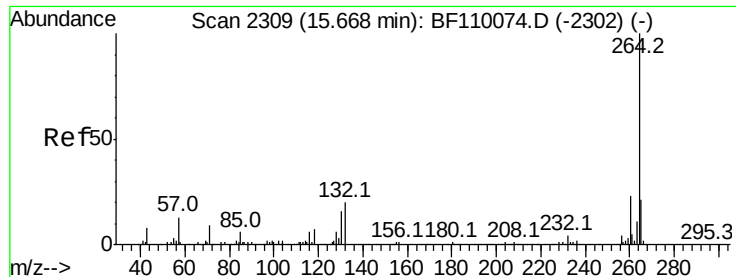


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

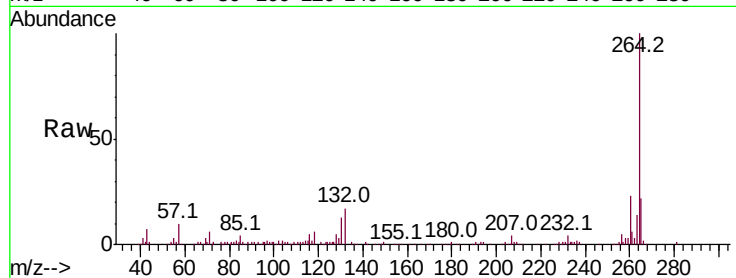




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: BF110275.D
 Acq: 29 Oct 2018 21:18

Instrument :
 BNA_F
 ClientSampleId :
 DL-06B

Tot Ion:	264	Resp:	154872
Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.7	16.7	25.1



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

