

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122718\
 Data File : BF111764.D
 Acq On : 27 Dec 2018 16:04
 Operator : JU/SJ
 Sample : J6426-10
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013A-2430-01

Quant Time: Dec 28 07:48:32 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	103194	20.00	ng	0.04
21) Naphthalene-d8	8.22	136	241608	20.00	ng	0.04
39) Acenaphthene-d10	9.98	164	144606	20.00	ng	0.05
64) Phenanthrene-d10	11.48	188	203541	20.00	ng	0.06
76) Chrysene-d12	14.13	240	156195	20.00	ng	0.08
87) Perylene-d12	15.63	264	138286	20.00	ng	0.12

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	152202	25.14	ng	0.14
7) Phenol-d6	6.57	99	202240	26.25	ng	0.05
23) Nitrobenzene-d5	7.48	82	588462	141.77	ng	0.02
42) 2,4,6-Tribromophenol	10.77	330	177135	103.67	ng	0.05
45) 2-Fluorobiphenyl	9.29	172	760810	76.69	ng	0.03
79) Terphenyl-d14	13.06	244	639546	77.65	ng	0.06

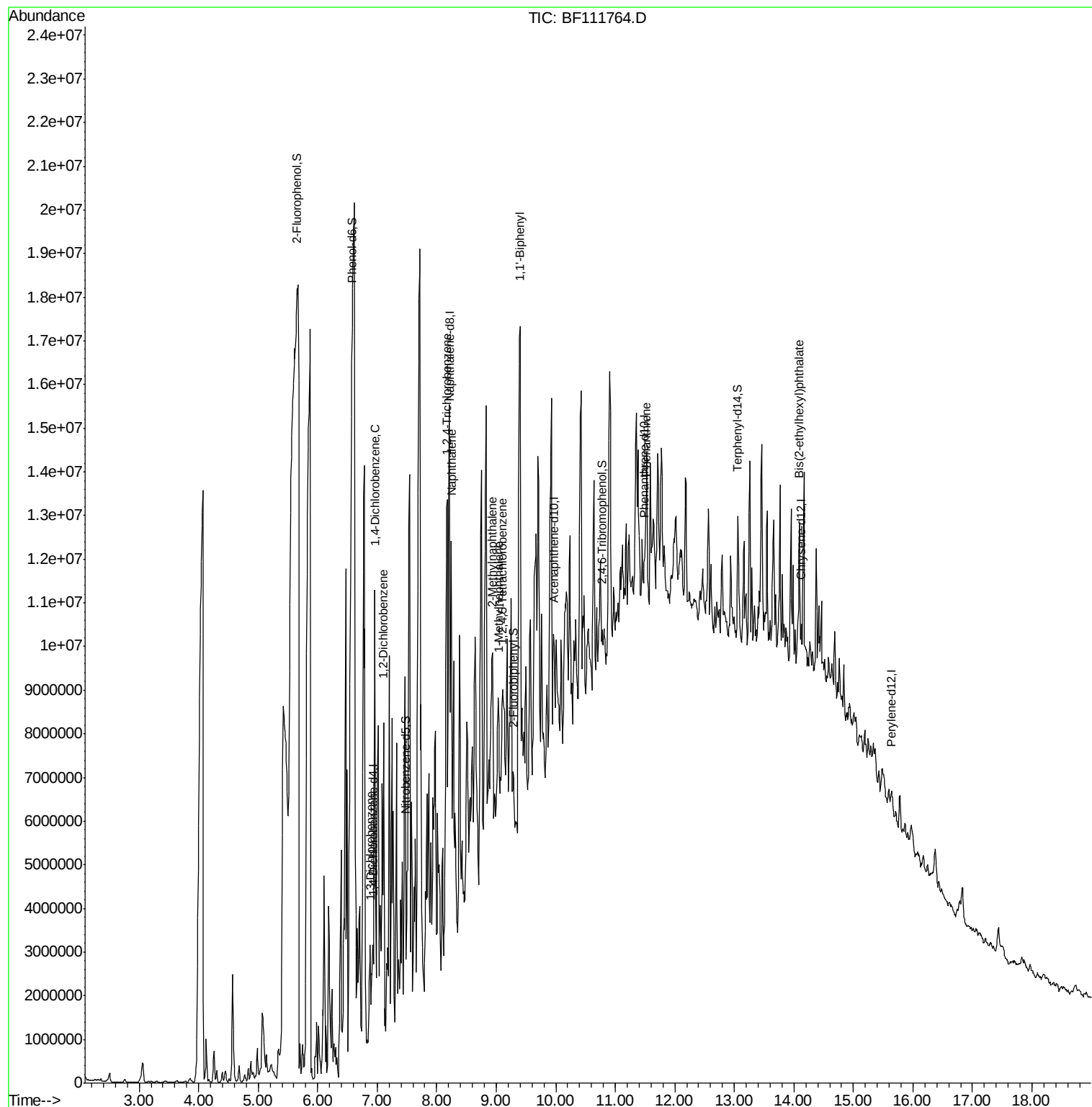
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	6.87	146	195942	25.211	ng	96
13) 1,4-Dichlorobenzene	6.95	146	946560	120.089	ng	96
14) 1,2-Dichlorobenzene	7.10	146	356763	48.513	ng	94
30) 1,2,4-Trichlorobenzene	8.17	180	3536062	848.223	ng	98
31) Naphthalene	8.25	128	3737734	321.971	ng	98
37) 2-Methylnaphthalene	8.93	142	2657879	351.905	ng	96
38) 1-Methylnaphthalene	9.03	142	1602260	220.885	ng	# 99
40) 1,2,4,5-Tetrachlorobenzene	9.10	216	450578	94.824	ng	99
46) 1,1'-Biphenyl	9.40	154	466931	38.251	ng	95
71) Phenanthrene	11.51	178	927408	85.914	ng	94
84) Bis(2-ethylhexyl)phthalate	14.09	149	1307114	230.800	ng	# 97

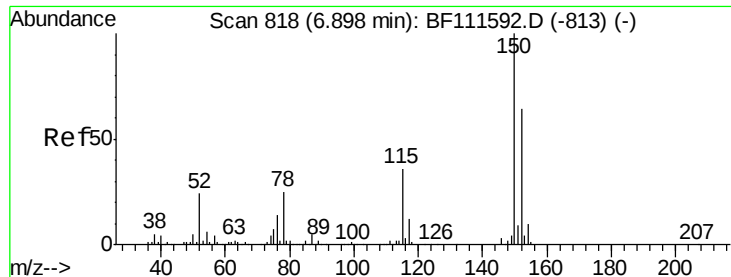
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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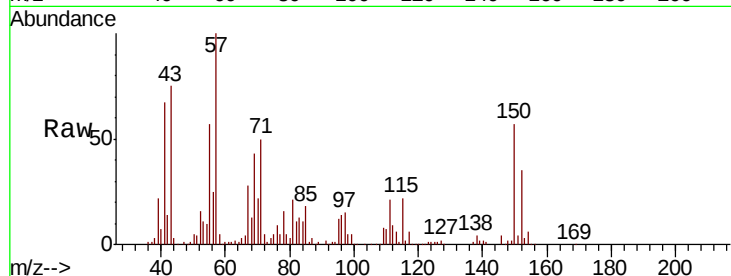


#1

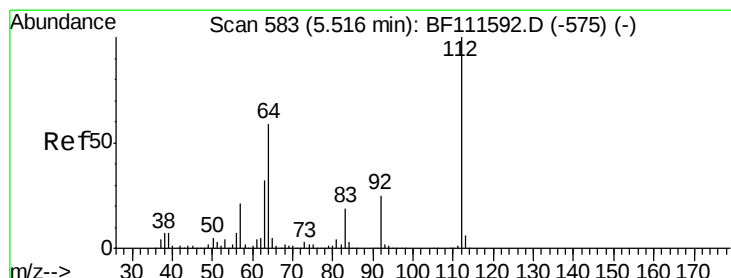
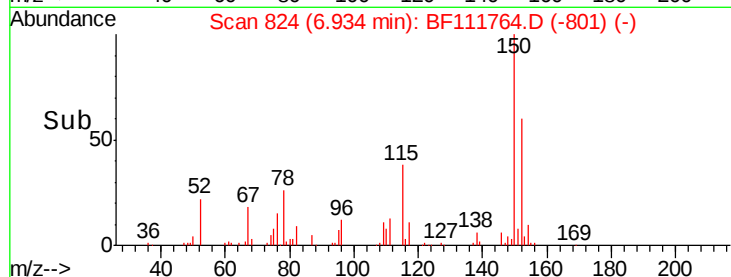
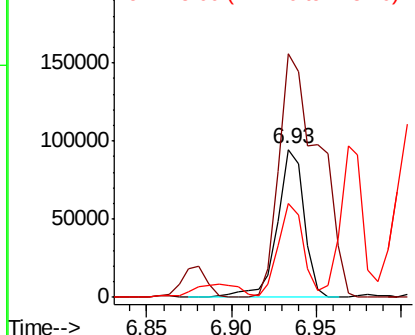
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. 0.04 min
Lab File: BF111764.D
Acq: 27 Dec 2018 16:04

Instrument :
BNA_F
ClientSampleId :
P001-SS013A-2430-01

Tot Ion:152 Resp: 103194
Ion Ratio Lower Upper
152 100
150 165.0 126.6 189.8
115 63.4 50.7 76.1



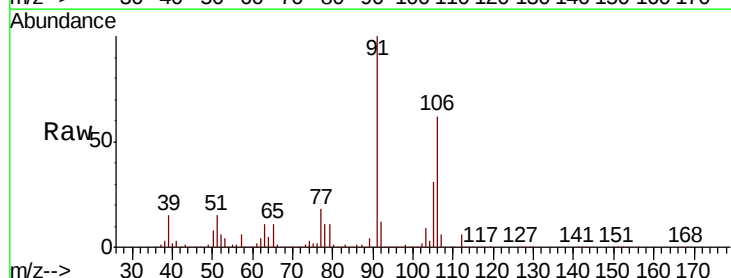
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



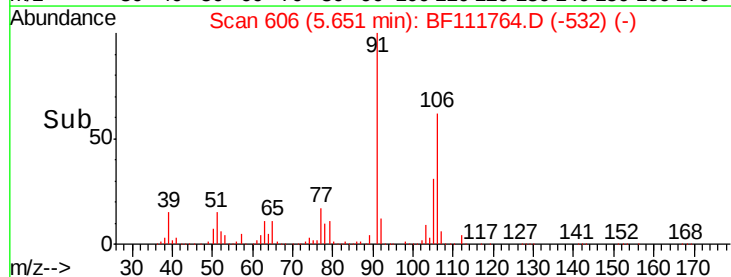
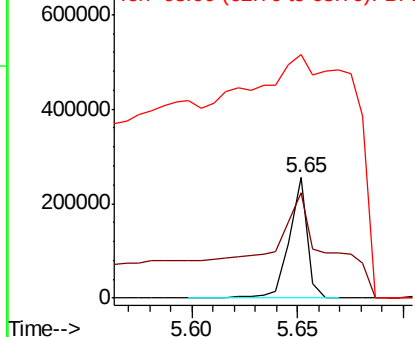
#5

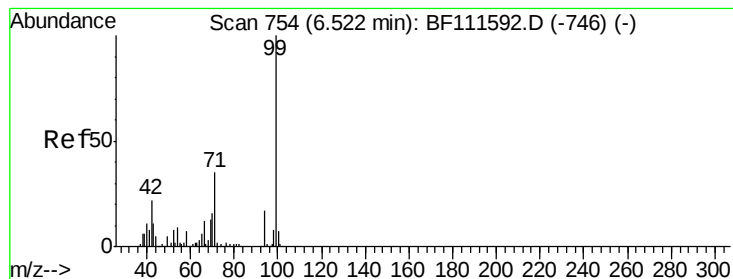
2-Fluorophenol
Concen: 25.140 ng
RT: 5.65 min Scan# 606
Delta R.T. 0.14 min
Lab File: BF111764.D
Acq: 27 Dec 2018 16:04

Tgt Ion:112 Resp: 152202
Ion Ratio Lower Upper
112 100
64 87.1 51.8 77.6#
63 202.0 26.8 40.2#



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: 26.249 ng

RT: 6.57 min Scan# 763

Delta R.T. 0.05 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01

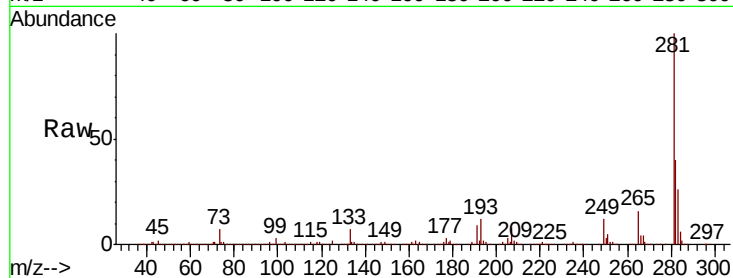
Tot Ion: 99 Resp: 202240

Ion Ratio Lower Upper

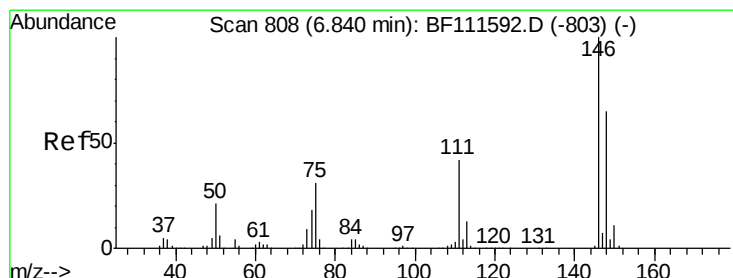
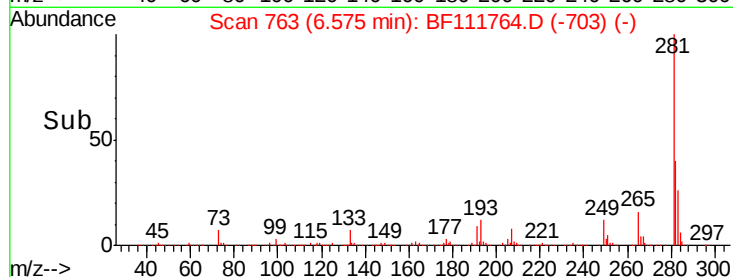
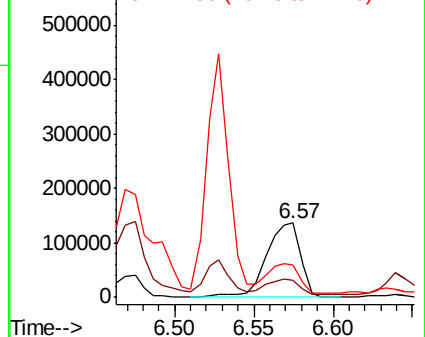
99 100

42 22.7 17.4 26.0

71 42.9 26.1 39.1#



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



#12

1,3-Dichlorobenzene

Concen: 25.211 ng

RT: 6.87 min Scan# 814

Delta R.T. 0.04 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

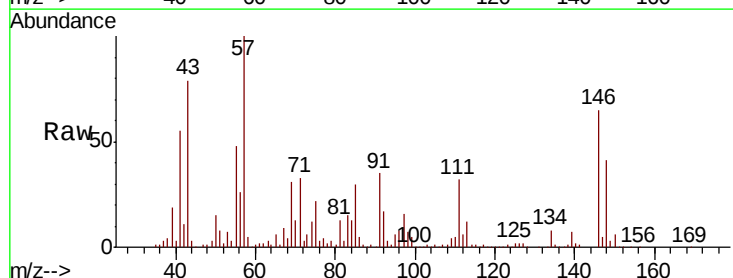
Tgt Ion: 146 Resp: 195942

Ion Ratio Lower Upper

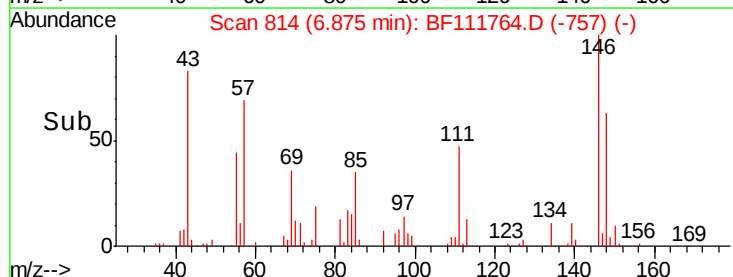
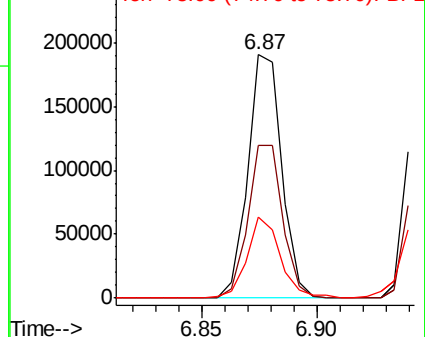
146 100

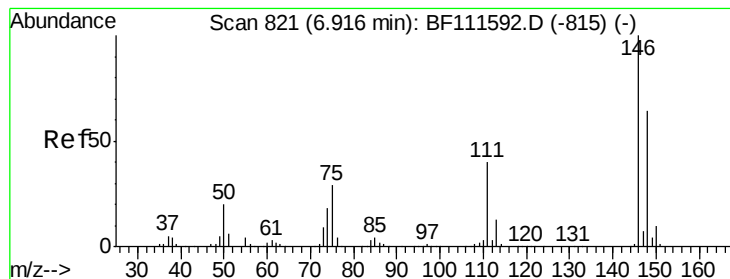
148 62.9 52.1 78.1

75 33.3 23.9 35.9



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 120.089 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.04 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01

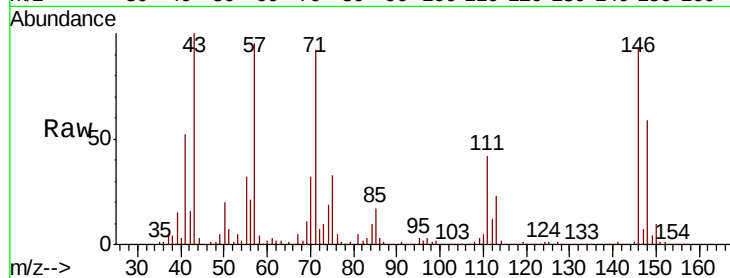
Tot Ion:146 Resp: 946560

Ion Ratio Lower Upper

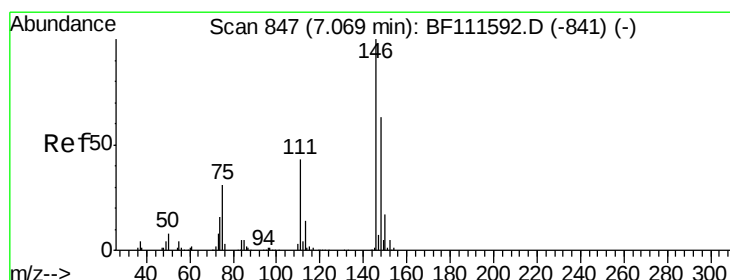
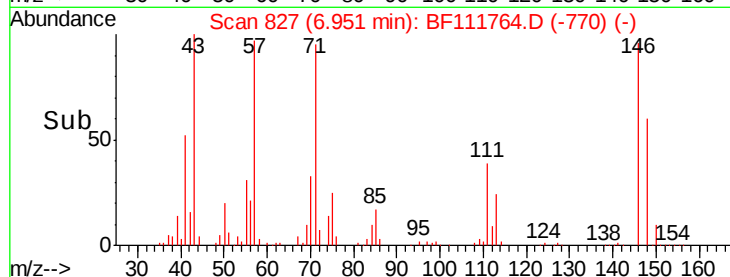
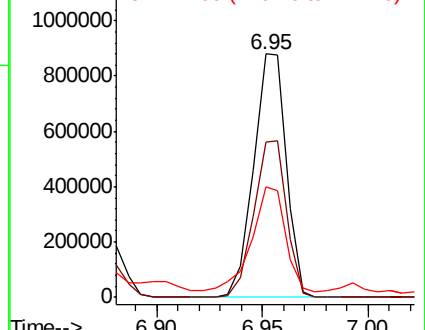
146 100

148 63.6 52.8 79.2

111 45.4 33.4 50.0



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 48.513 ng

RT: 7.10 min Scan# 853

Delta R.T. 0.04 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

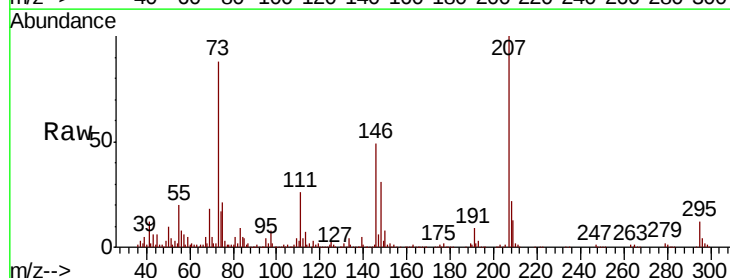
Tgt Ion:146 Resp: 356763

Ion Ratio Lower Upper

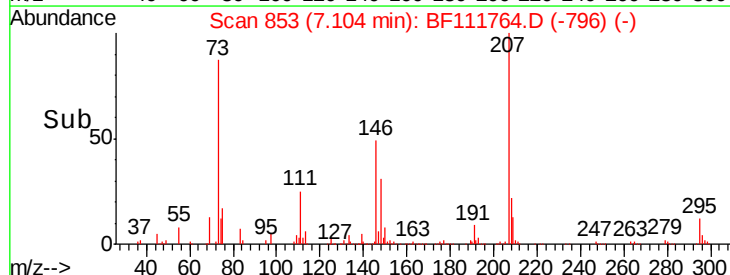
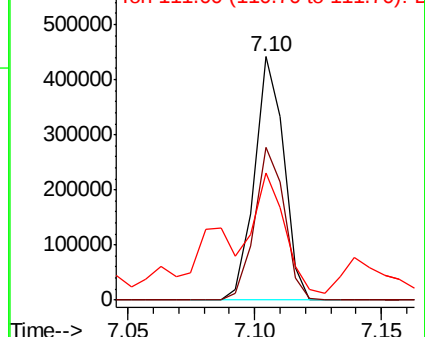
146 100

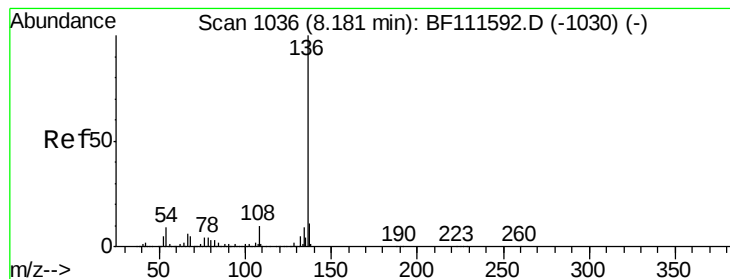
148 62.8 51.9 77.9

111 52.0 36.2 54.4



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.22 min Scan# 1043

Delta R.T. 0.04 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01

Tot Ion:136 Resp: 241608

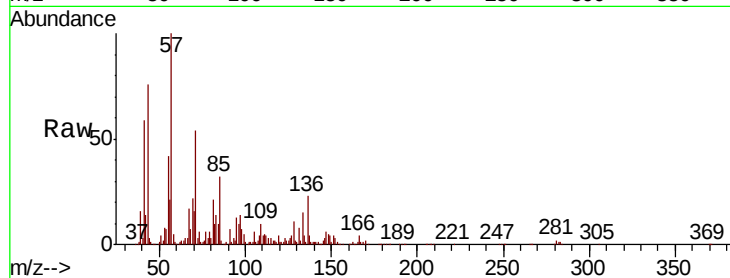
Ion Ratio Lower Upper

136 100

137 17.4 9.1 13.7#

54 29.1 7.7 11.5#

68 28.2 4.9 7.3#

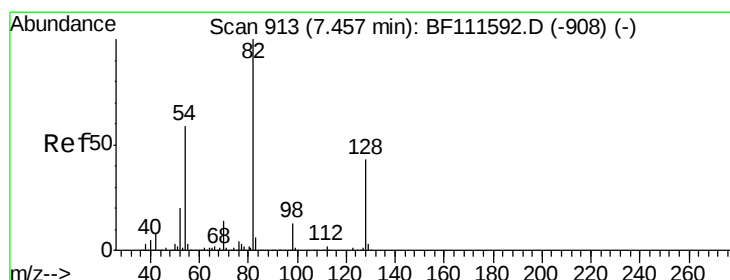
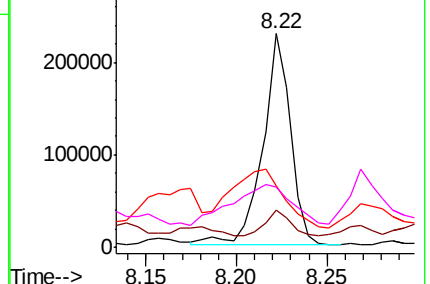
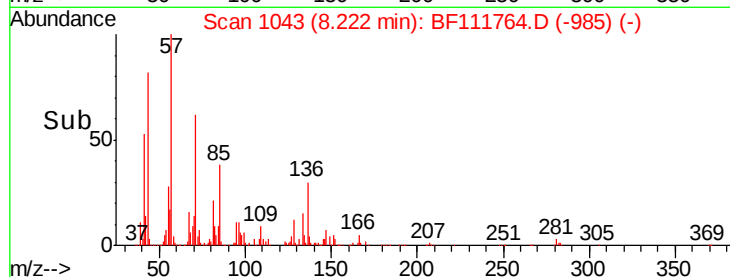


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 141.771 ng

RT: 7.48 min Scan# 917

Delta R.T. 0.02 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

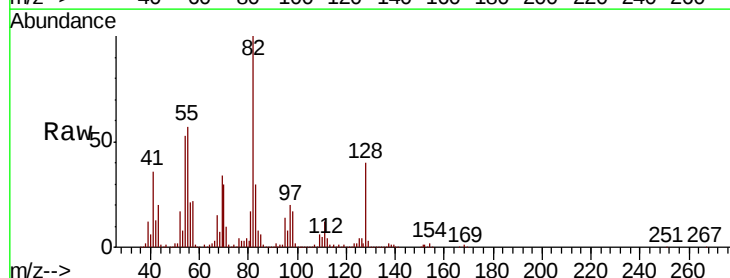
Tgt Ion: 82 Resp: 588462

Ion Ratio Lower Upper

82 100

128 39.6 37.4 56.2

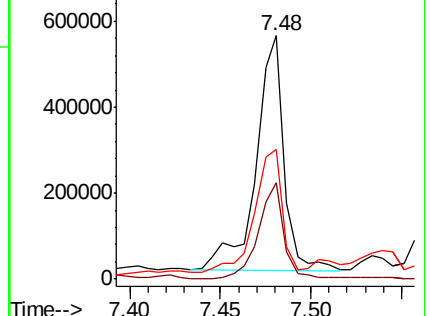
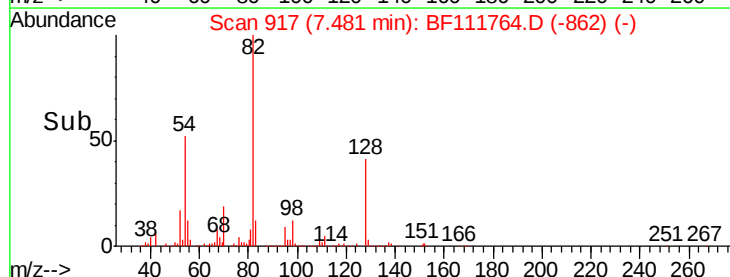
54 53.4 47.6 71.4

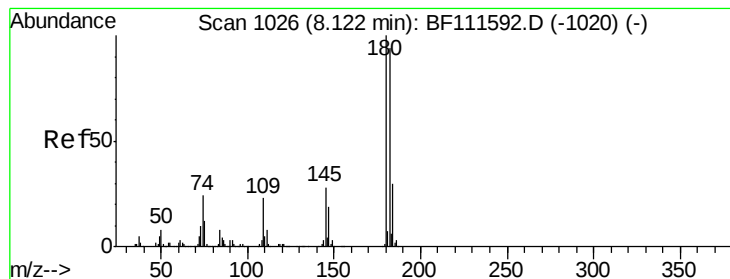


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#30

1,2,4-Trichlorobenzene

Concen: 848.223 ng

RT: 8.17 min Scan# 1035

Delta R.T. 0.05 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01

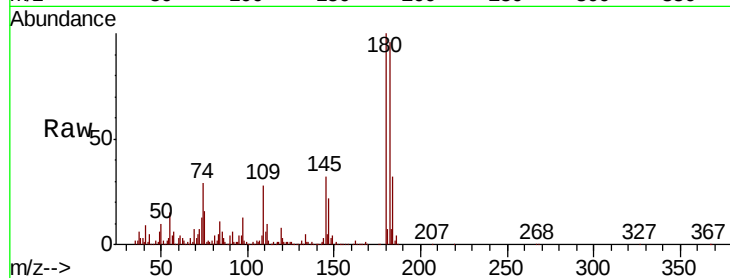
Tot Ion:180 Resp: 3536062

Ion Ratio Lower Upper

180 100

182 95.6 75.6 113.4

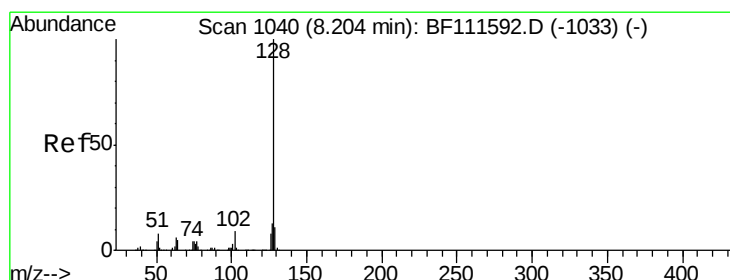
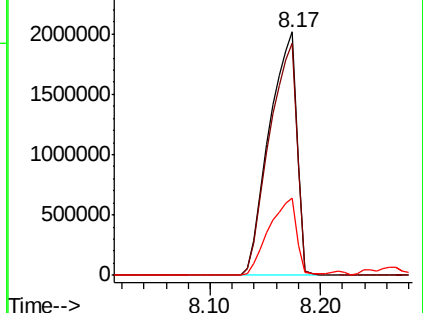
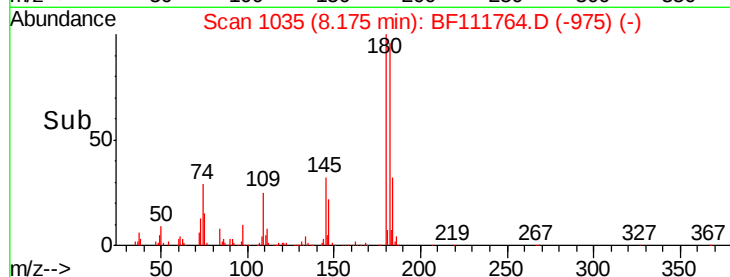
145 31.9 26.7 40.1



Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E



#31

Naphthalene

Concen: 321.971 ng

RT: 8.25 min Scan# 1048

Delta R.T. 0.05 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

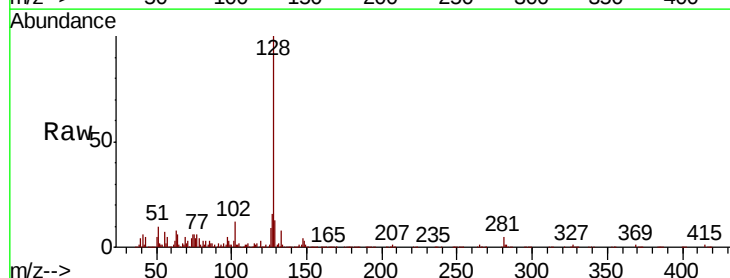
Tgt Ion:128 Resp: 3737734

Ion Ratio Lower Upper

128 100

129 12.9 9.8 14.8

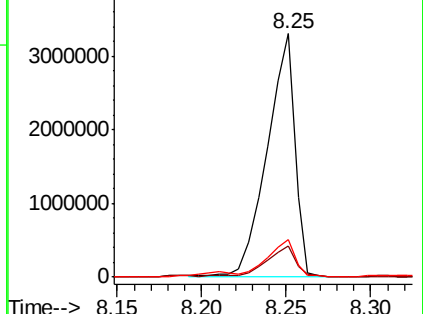
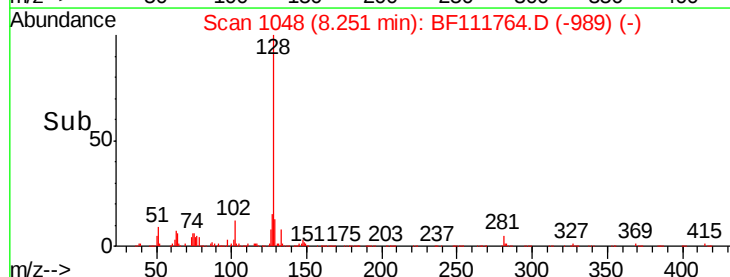
127 15.7 12.0 18.0

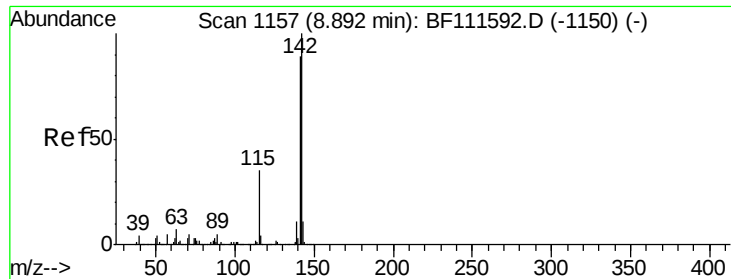


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

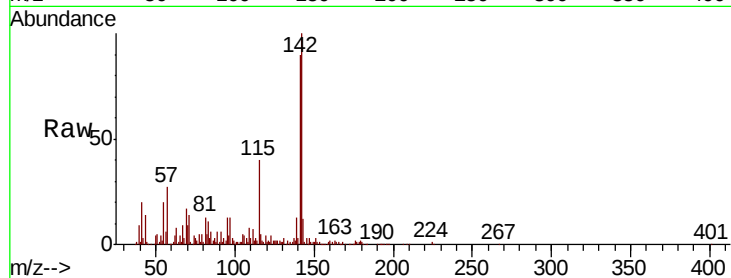




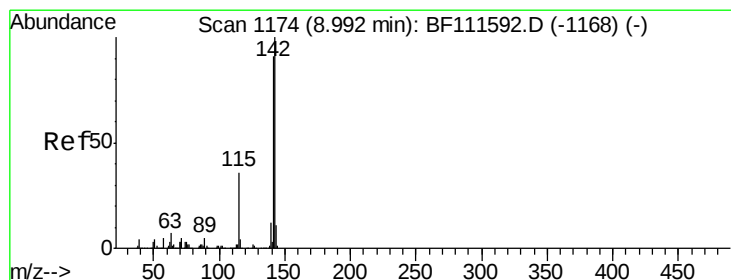
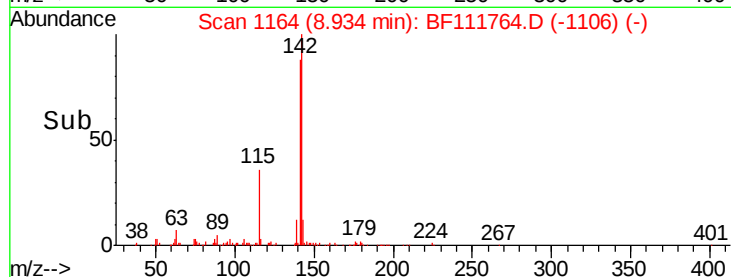
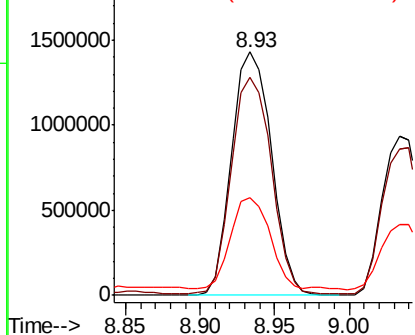
#37
2-Methylnaphthalene
Concen: 351.905 ng
RT: 8.93 min Scan# 1164
Delta R.T. 0.04 min
Lab File: BF111764.D
Acq: 27 Dec 2018 16:04

Instrument :
BNA_F
ClientSampleId :
P001-SS013A-2430-01

Tot Ion:142 Resp: 2657879
Ion Ratio Lower Upper
142 100
141 89.7 70.6 105.8
115 40.1 27.0 40.6

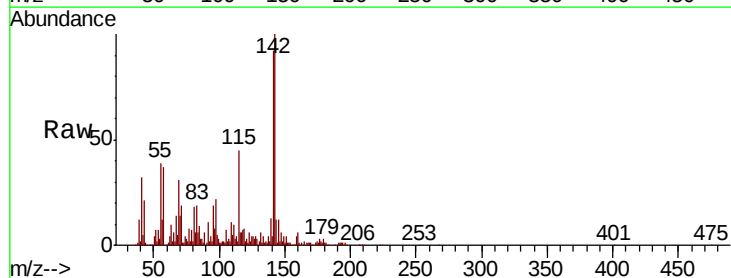


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

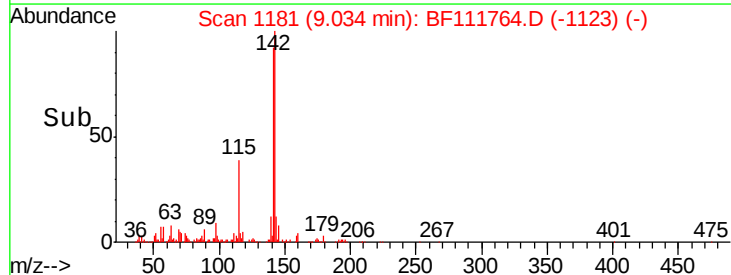
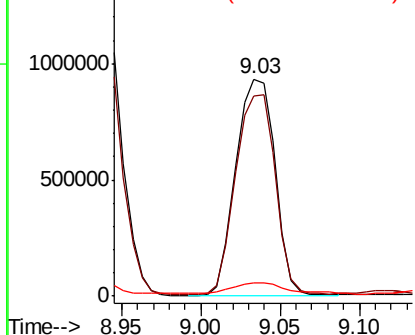


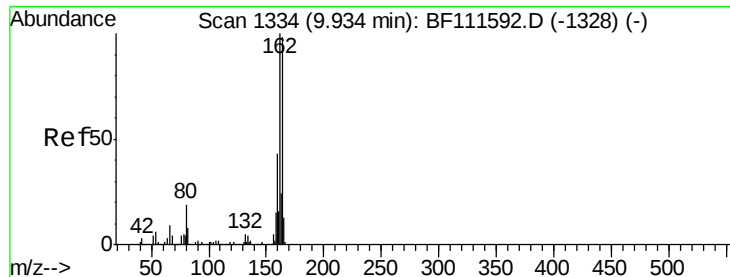
#38
1-Methylnaphthalene
Concen: 220.885 ng
RT: 9.03 min Scan# 1181
Delta R.T. 0.04 min
Lab File: BF111764.D
Acq: 27 Dec 2018 16:04

Tgt Ion:142 Resp: 1602260
Ion Ratio Lower Upper
142 100
141 92.1 74.2 111.4
116 5.9 2.9 4.3#



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: 9.98 min Scan# 1342

Delta R.T. 0.05 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01

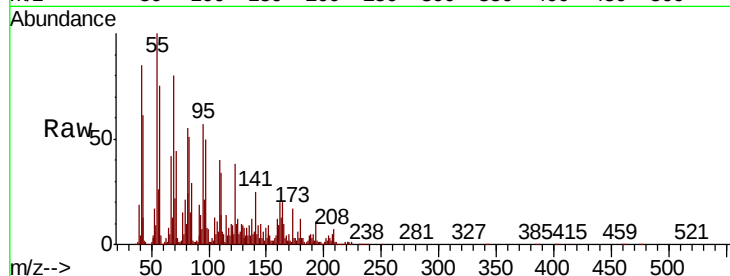
Tot Ion:164 Resp: 144606

Ion Ratio Lower Upper

164 100

162 98.8 81.4 122.0

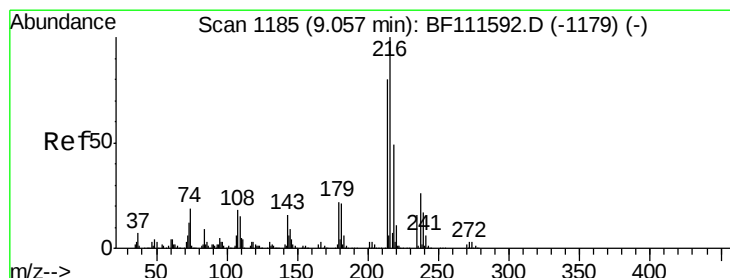
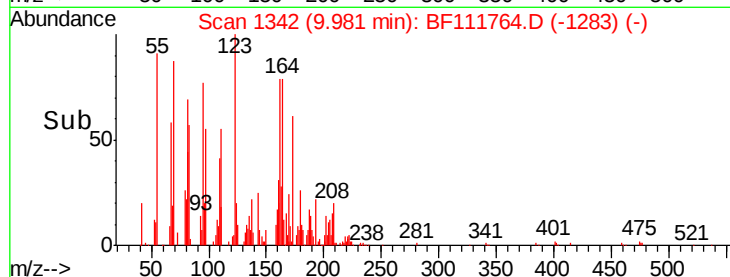
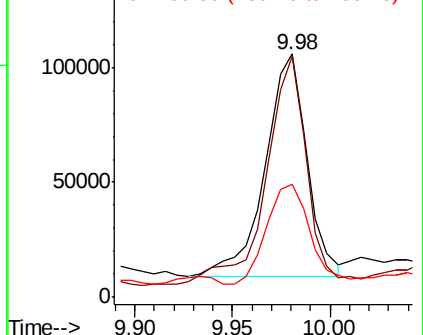
160 46.2 35.7 53.5



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



#40

1,2,4,5-Tetrachlorobenzene

Concen: 94.824 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.05 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Tgt Ion:216 Resp: 450578

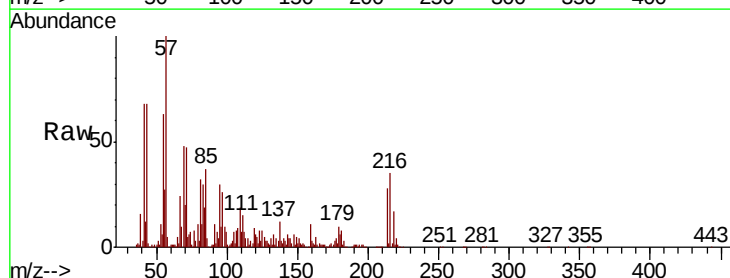
Ion Ratio Lower Upper

216 100

214 78.8 63.8 95.8

179 24.2 17.9 26.9

108 23.0 18.4 27.6

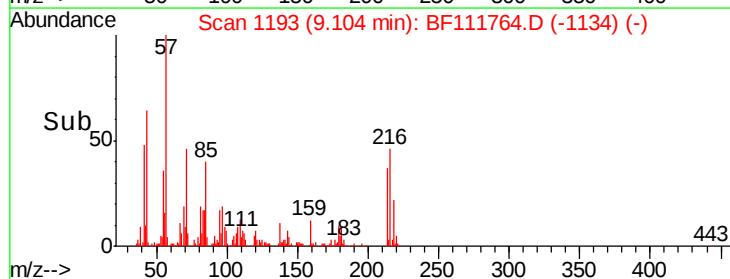
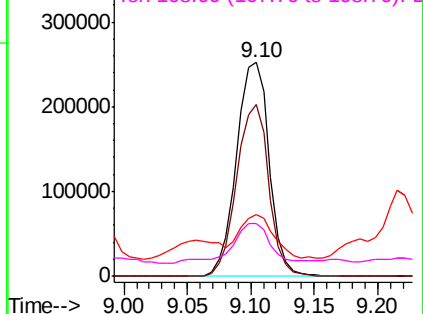


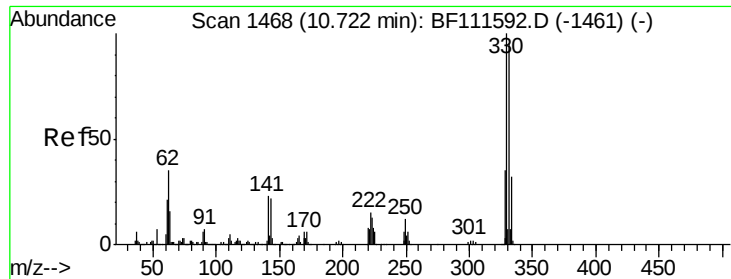
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E

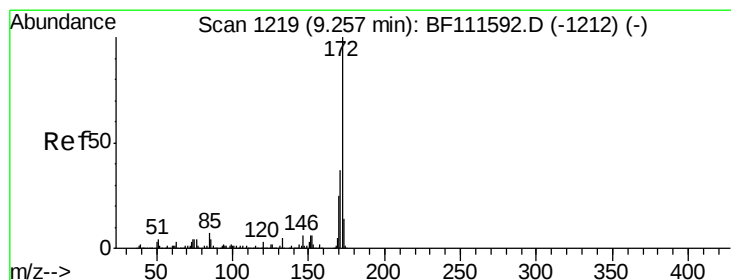
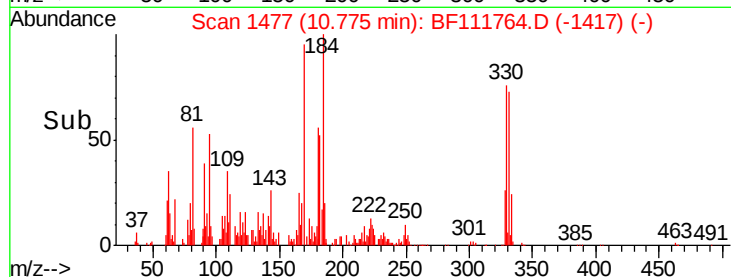
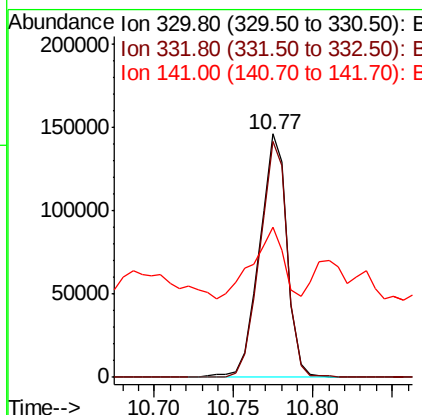
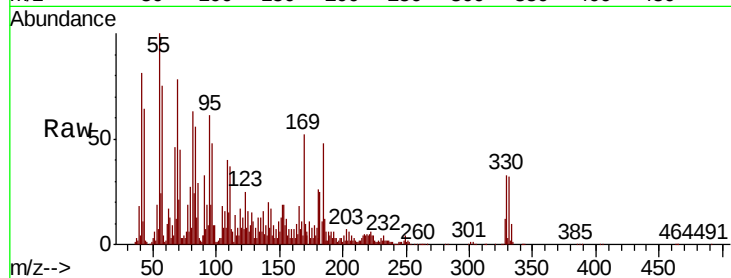




#42
 2,4,6-Tribromophenol
 Concen: 103.671 ng
 RT: 10.77 min Scan# 1477
 Delta R.T. 0.05 min
 Lab File: BF111764.D
 Acq: 27 Dec 2018 16:04

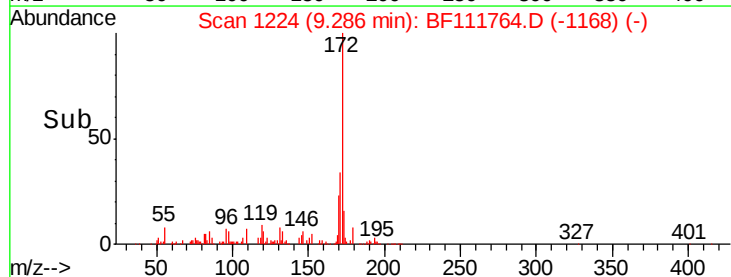
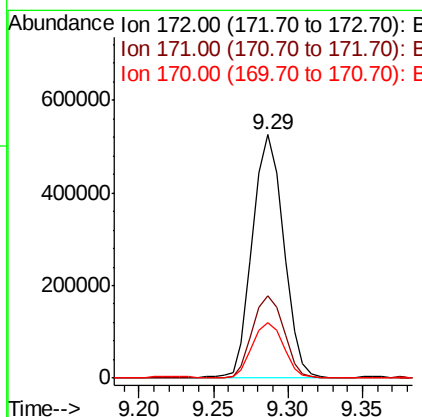
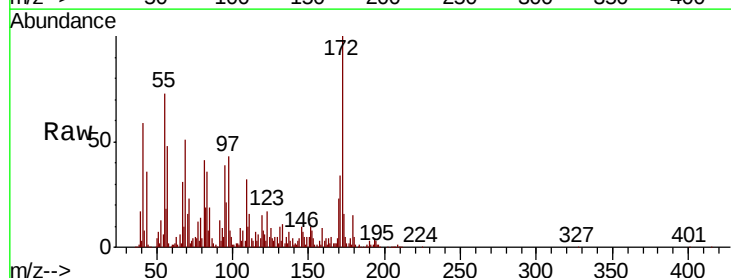
Instrument :
 BNA_F
 ClientSampleId :
 P001-SS013A-2430-01

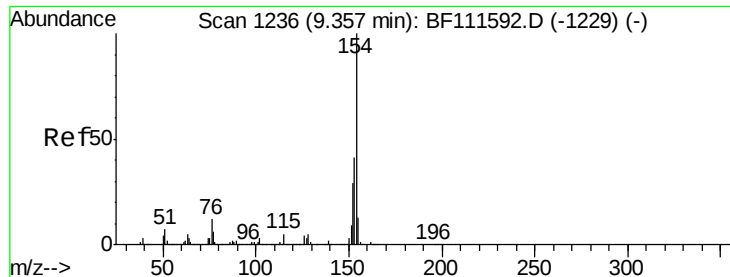
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.0	114.0
141	32.2	31.0	46.6



#45
 2-Fluorobiphenyl
 Concen: 76.687 ng
 RT: 9.29 min Scan# 1224
 Delta R.T. 0.03 min
 Lab File: BF111764.D
 Acq: 27 Dec 2018 16:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.7	33.0	49.4
170	23.0	22.3	33.5





#46

1,1'-Biphenyl

Concen: 38.251 ng

RT: 9.40 min Scan# 1244

Delta R.T. 0.05 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01

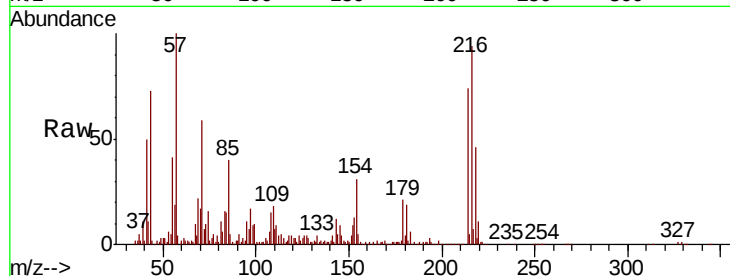
Tot Ion:154 Resp: 466931

Ion Ratio Lower Upper

154 100

153 41.4 23.7 63.7

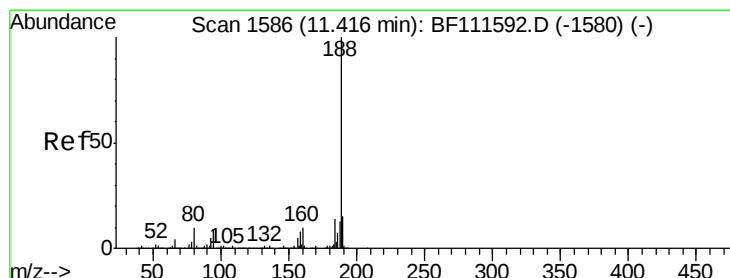
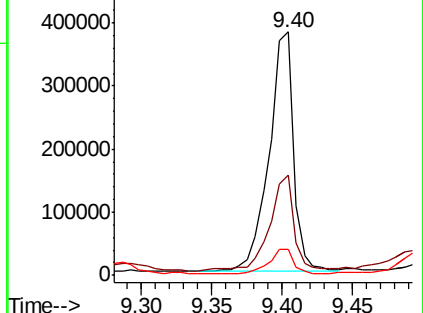
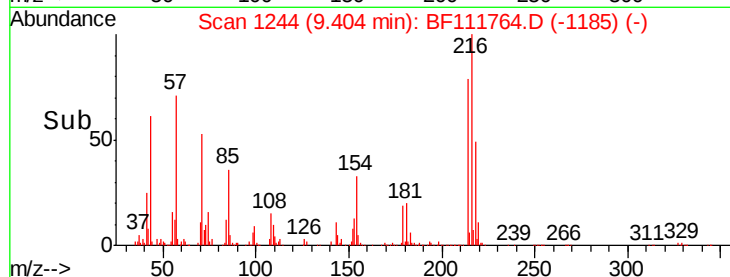
76 10.6 0.0 35.0



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.06 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

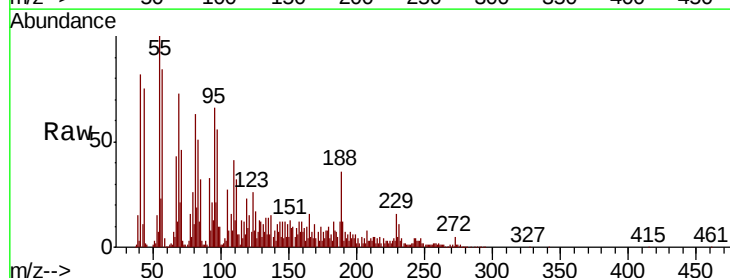
Tgt Ion:188 Resp: 203541

Ion Ratio Lower Upper

188 100

94 34.5 9.6 14.4#

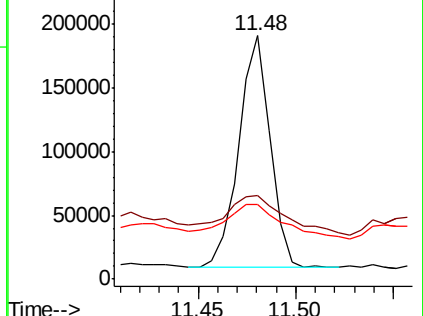
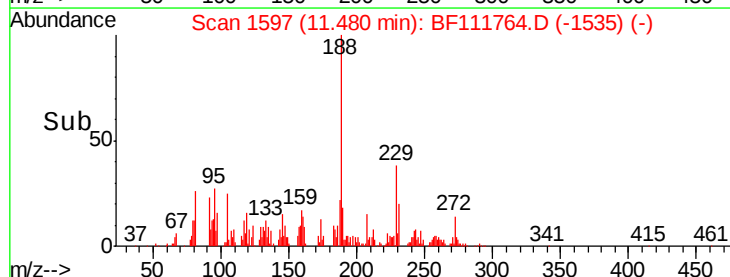
80 30.9 9.8 14.6#

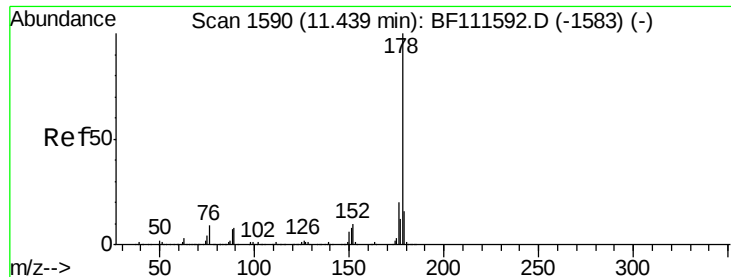


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

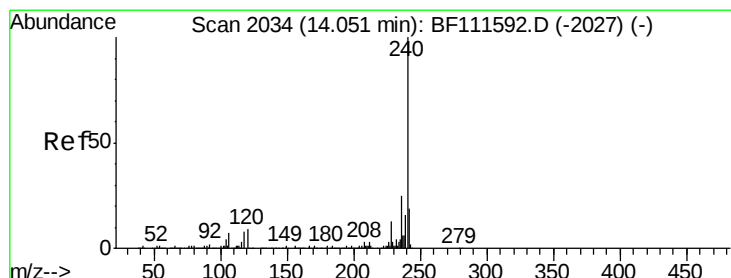
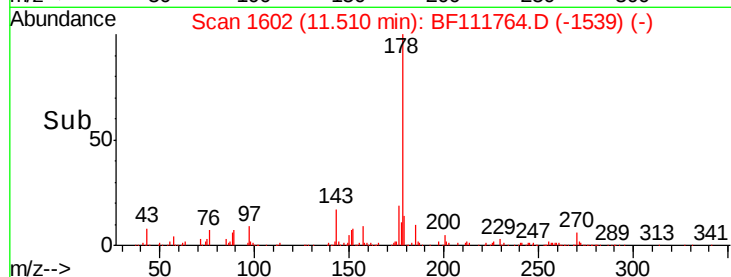
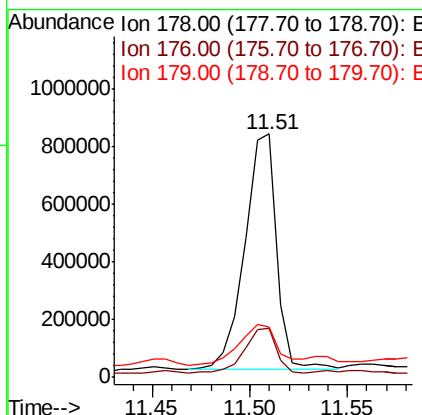
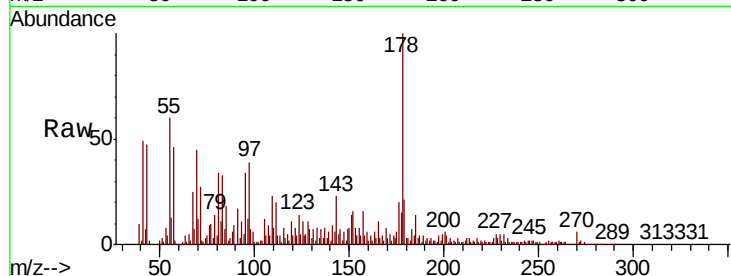




#71
Phenanthrene
Concen: 85.914 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.07 min
Lab File: BF111764.D
Acq: 27 Dec 2018 16:04

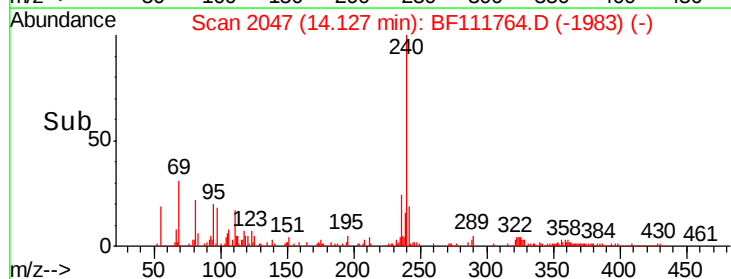
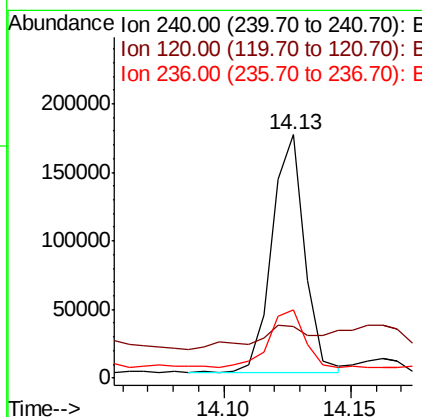
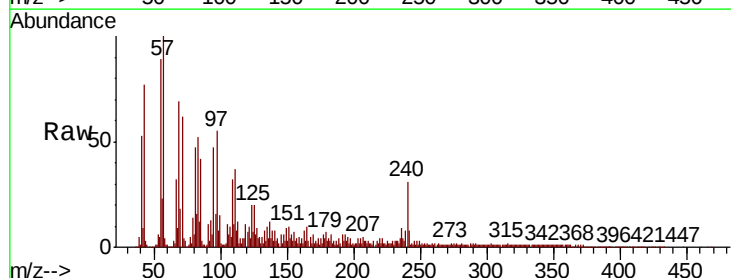
Instrument :
BNA_F
ClientSampleId :
P001-SS013A-2430-01

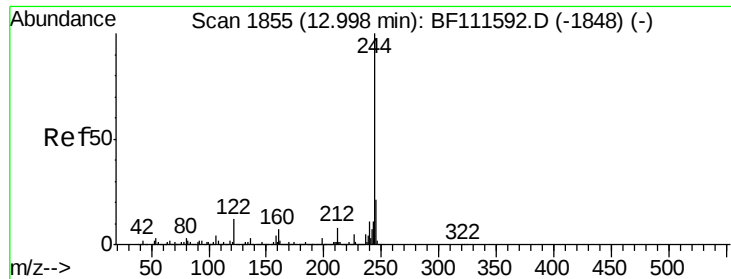
Tot Ion:178 Resp: 927408
Ion Ratio Lower Upper
178 100
176 20.2 18.1 27.1
179 20.6 14.0 21.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. 0.08 min
Lab File: BF111764.D
Acq: 27 Dec 2018 16:04

Tgt Ion:240 Resp: 156195
Ion Ratio Lower Upper
240 100
120 21.2 12.2 18.2#
236 28.2 20.2 30.2





#79

Terphenyl-d14

Concen: 77.649 ng

RT: 13.06 min Scan# 1866

Delta R.T. 0.06 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01

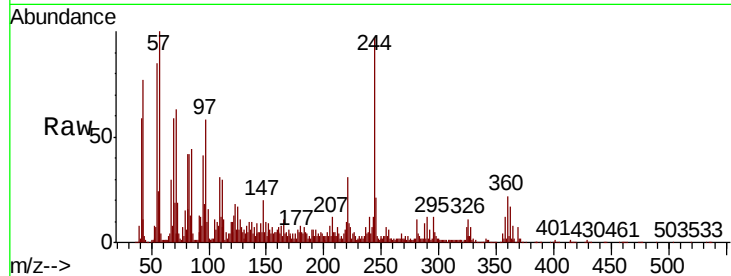
Tot Ion:244 Resp: 639546

Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

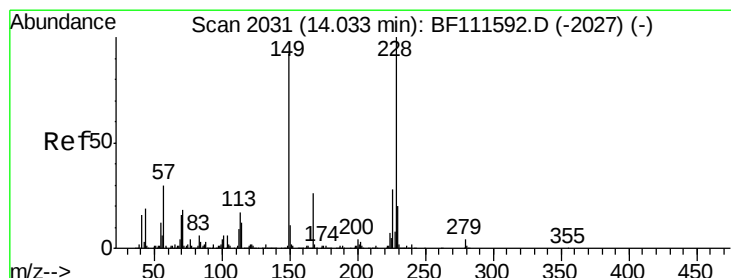
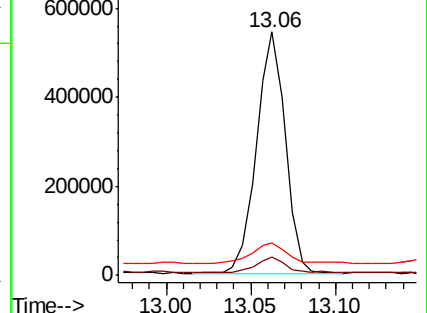
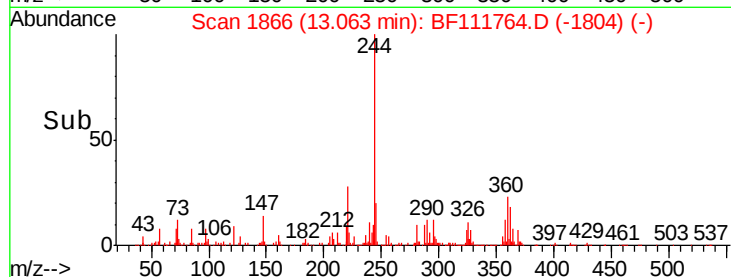
122 13.4 13.1 19.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 230.800 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.06 min

Lab File: BF111764.D

Acq: 27 Dec 2018 16:04

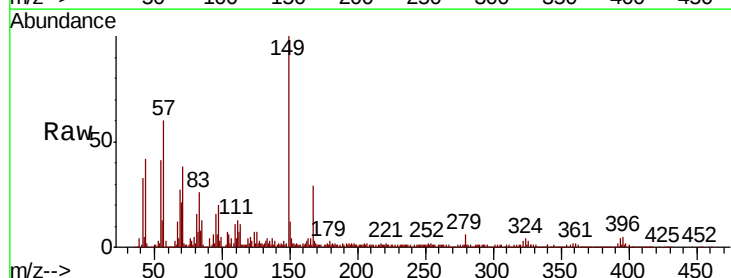
Tgt Ion:149 Resp: 1307114

Ion Ratio Lower Upper

149 100

167 29.3 22.5 33.7

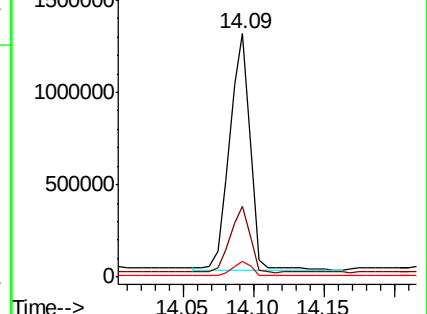
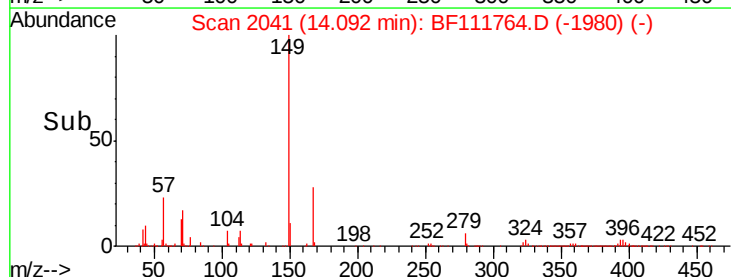
279 6.4 2.6 4.0#

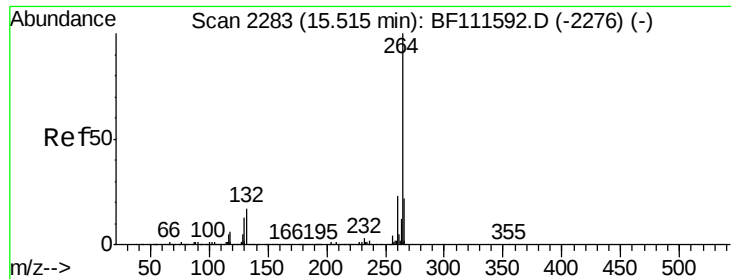


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

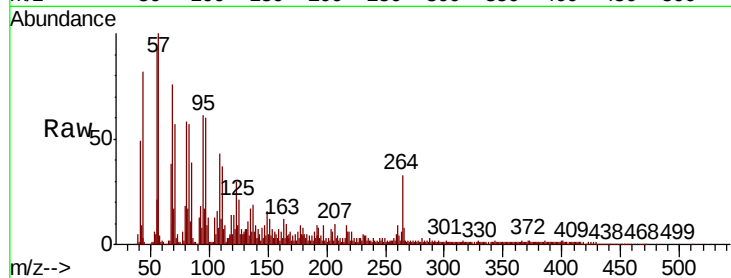




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.12 min
Lab File: BF111764.D
Acq: 27 Dec 2018 16:04

Instrument :
BNA_F
ClientSampleId :
P001-SS013A-2430-01

Tot Ion	Ratio	Lower	Upper
264	100		
260	27.3	18.3	27.5
265	25.5	17.7	26.5



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

