

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010719\
 Data File : BF111903.D
 Acq On : 8 Jan 2019 3:26
 Operator : JU/SJ
 Sample : J6426-10DL 10X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

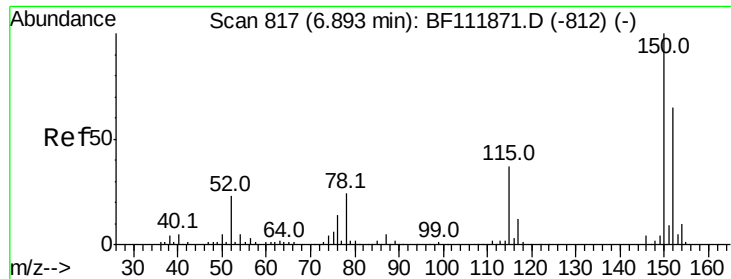
Quant Time: Jan 08 06:08:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF010719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 07 14:33:51 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	104213	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	336527	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	156971	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	258817	20.00	ng	0.00
76) Chrysene-d12	14.06	240	271742	20.00	ng	0.00
87) Perylene-d12	15.55	264	203260	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	39309	6.45	ng	0.00
7) Phenol-d6	6.53	99	44158	5.62	ng	0.00
23) Nitrobenzene-d5	7.45	82	63268	10.05	ng	-0.01
42) 2,4,6-Tribromophenol	10.72	330	22650	11.09	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	83039	7.71	ng	0.00
79) Terphenyl-d14	13.00	244	112239	7.84	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	6.83	146	19676	2.509	ng	98
13) 1,4-Dichlorobenzene	6.91	146	126778	15.933	ng	99
14) 1,2-Dichlorobenzene	7.06	146	45818	6.024	ng	96
30) 1,2,4-Trichlorobenzene	8.12	180	572688	99.555	ng	99
31) Naphthalene	8.20	128	596868	37.362	ng	100
37) 2-Methylnaphthalene	8.89	142	346753	35.030	ng	99
38) 1-Methylnaphthalene	8.99	142	211556	22.282	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	61090	12.208	ng	# 98
46) 1,1'-Biphenyl	9.35	154	90607	6.901	ng	98
71) Phenanthrene	11.44	178	156491	11.309	ng	97
84) Bis(2-ethylhexyl)phthalate	14.04	149	284490	27.404	ng	# 97

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

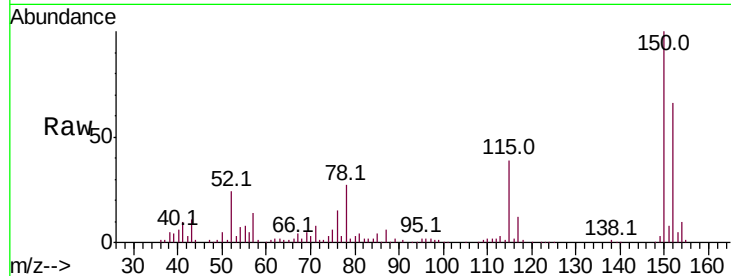


#1

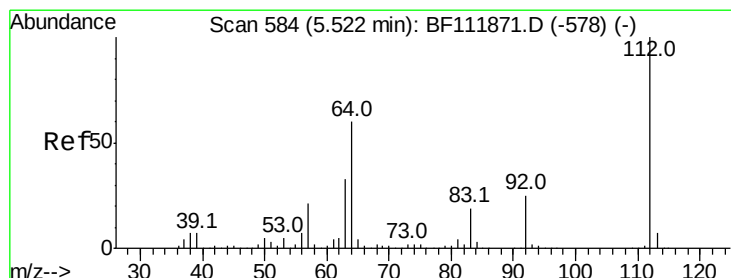
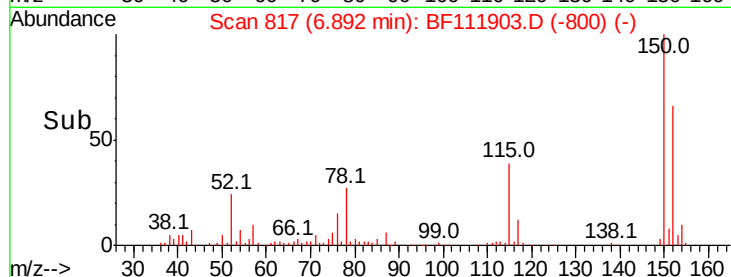
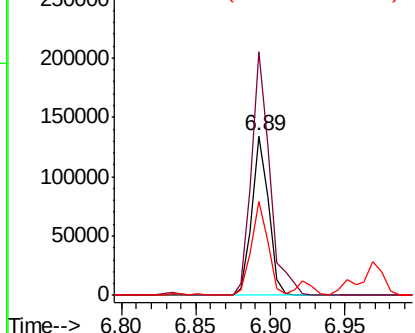
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF111903.D
Acq: 8 Jan 2019 3:26

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P001-SS013A-2430-01DL

Tot Ion:152 Resp: 104213
Ion Ratio Lower Upper
152 100
150 152.4 122.7 184.1
115 59.1 45.2 67.8



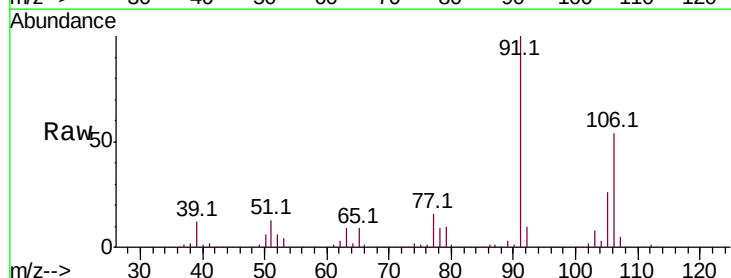
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



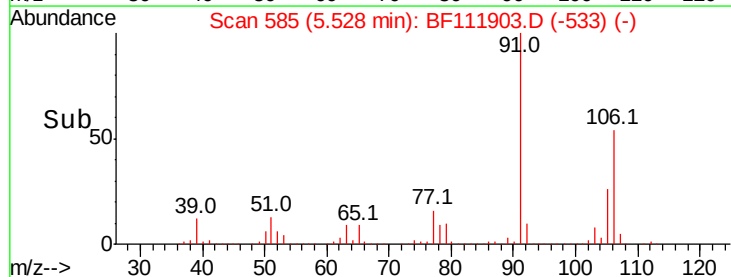
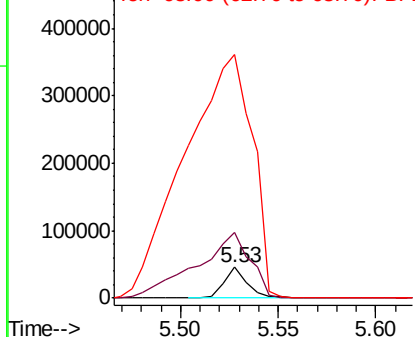
#5

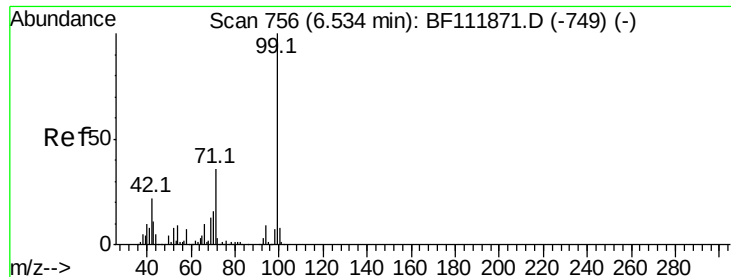
2-Fluorophenol
Concen: 6.453 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111903.D
Acq: 8 Jan 2019 3:26

Tgt Ion:112 Resp: 39309
Ion Ratio Lower Upper
112 100
64 212.6 48.3 72.5#
63 794.9 26.1 39.1#



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: 5.624 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.01 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01DL

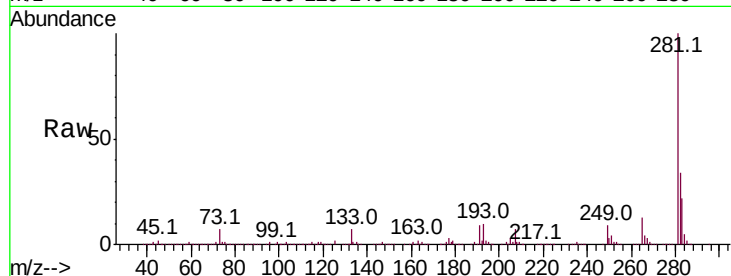
Tot Ion: 99 Resp: 44158

Ion Ratio Lower Upper

99 100

42 21.2 17.9 26.9

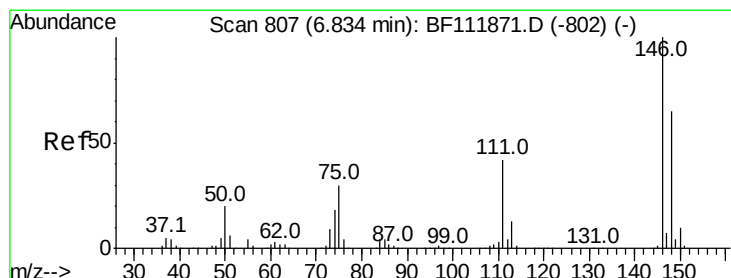
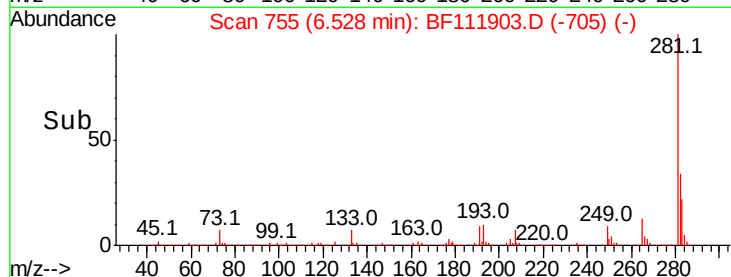
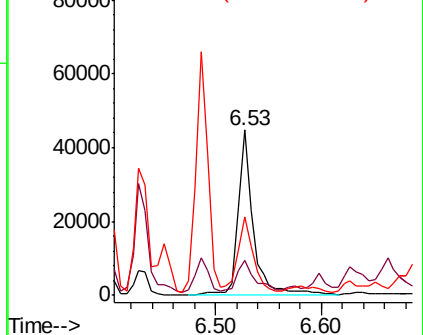
71 47.9 28.7 43.1#



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: 2.509 ng

RT: 6.83 min Scan# 807

Delta R.T. -0.00 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

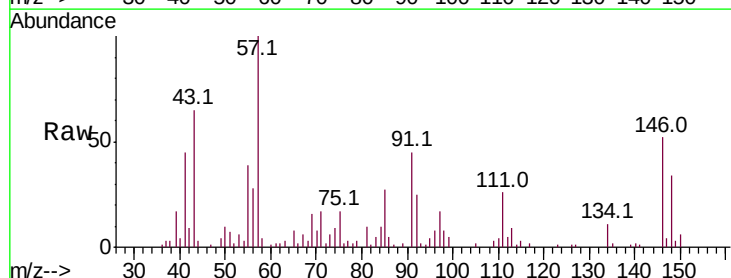
Tgt Ion: 146 Resp: 19676

Ion Ratio Lower Upper

146 100

148 65.2 51.8 77.6

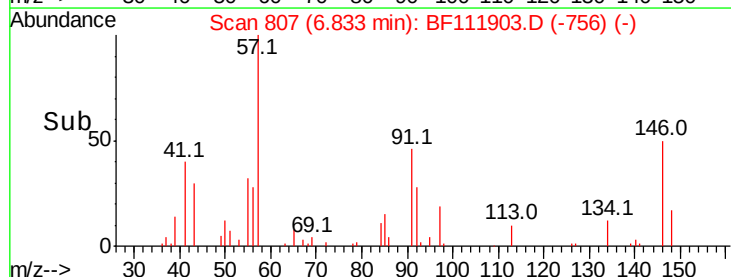
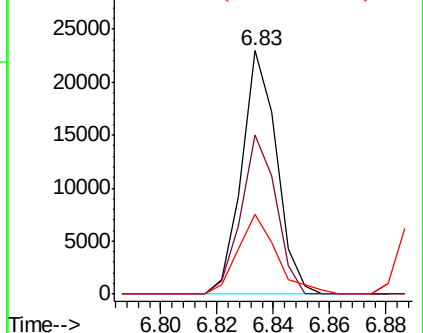
75 33.0 24.3 36.5

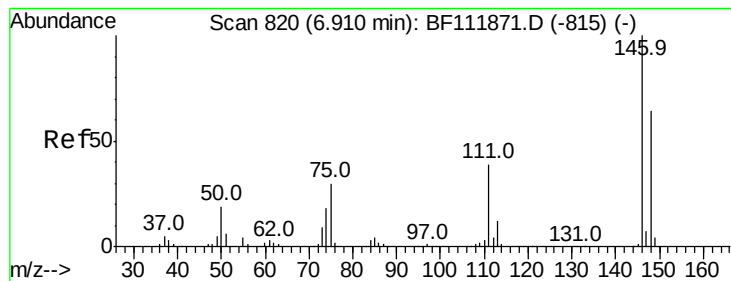


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1





#13

1,4-Dichlorobenzene

Concen: 15.933 ng

RT: 6.91 min Scan# 820

Delta R.T. -0.00 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01DL

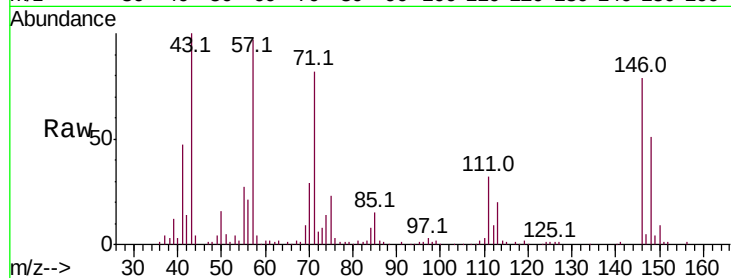
Tot Ion:146 Resp: 126778

Ion Ratio Lower Upper

146 100

148 64.0 51.2 76.8

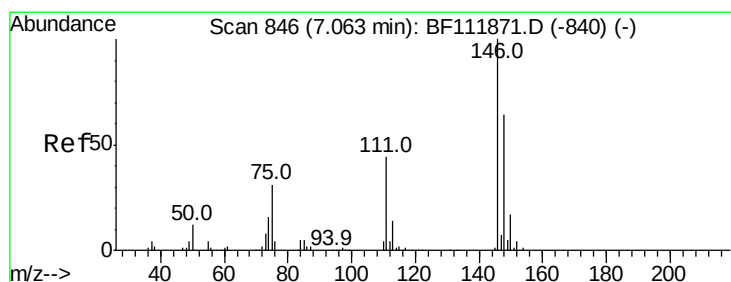
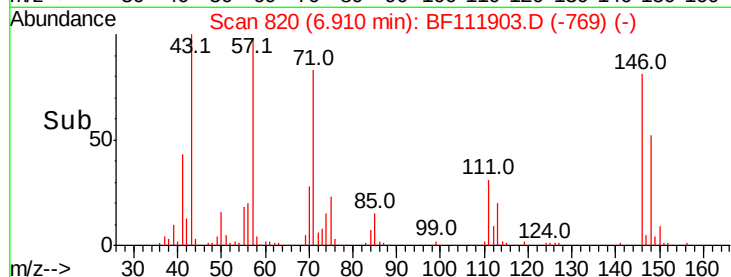
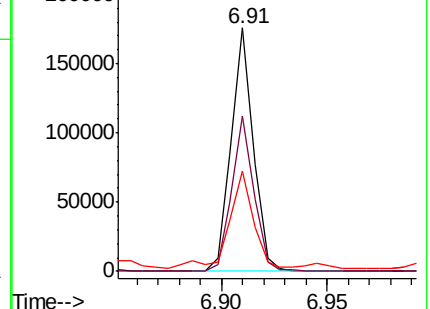
111 40.9 31.5 47.3



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: 6.024 ng

RT: 7.06 min Scan# 846

Delta R.T. -0.00 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

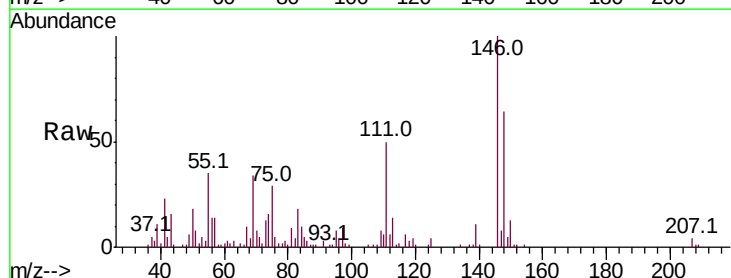
Tgt Ion:146 Resp: 45818

Ion Ratio Lower Upper

146 100

148 63.9 51.5 77.3

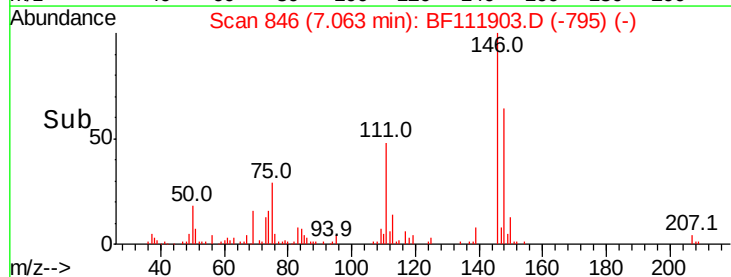
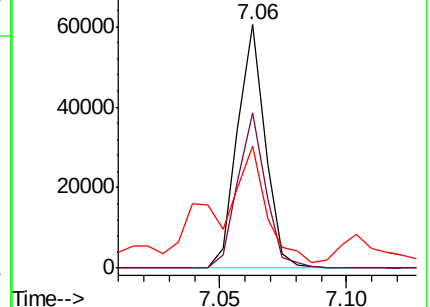
111 49.9 35.5 53.3

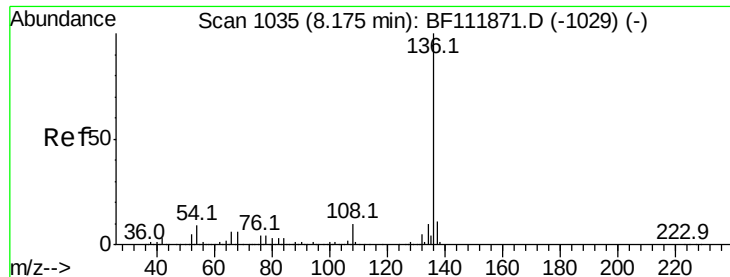


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

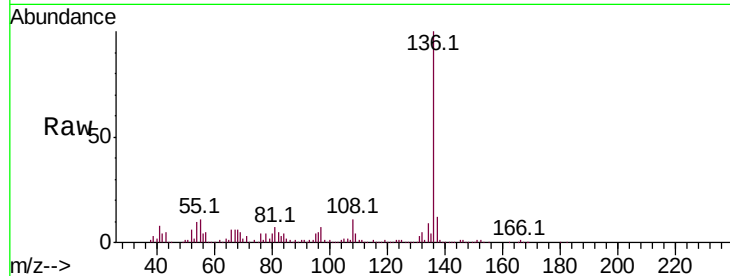




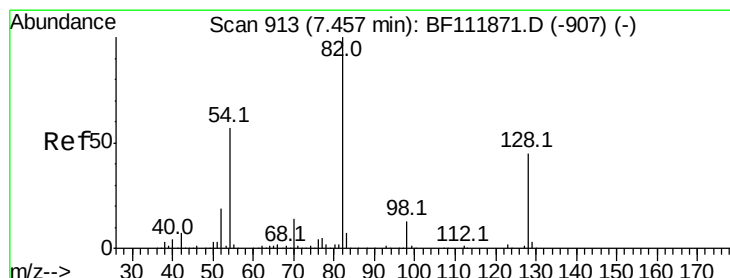
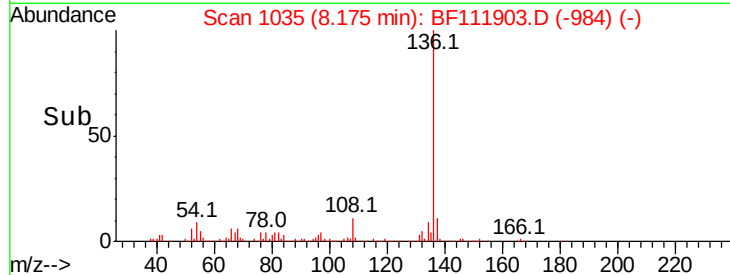
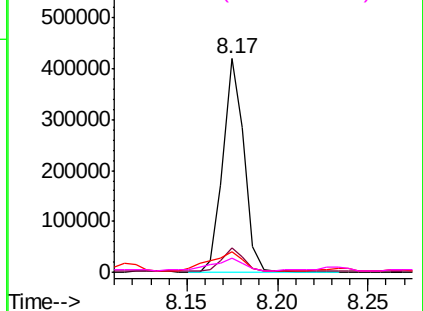
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF111903.D
Acq: 8 Jan 2019 3:26

Instrument :
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P001-SS013A-2430-01DL

Tot Ion:136	Resp:	336527
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.1 13.7
54	9.8	7.2 10.8
68	6.5	4.4 6.6

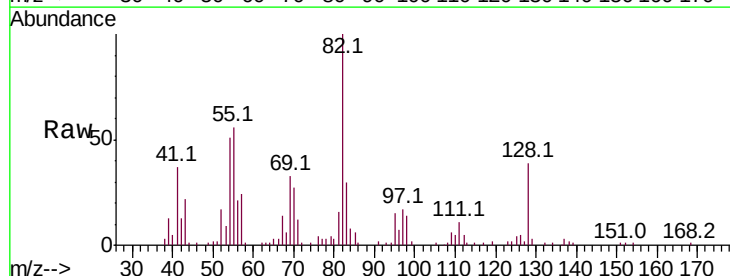


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

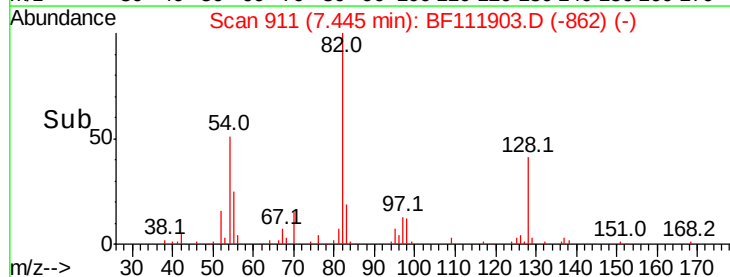
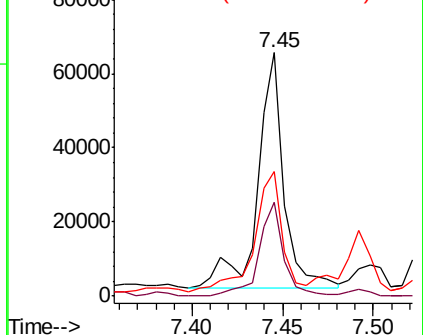


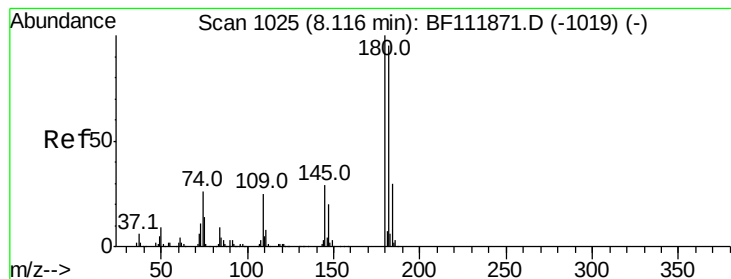
#23
Nitrobenzene-d5
Concen: 10.048 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF111903.D
Acq: 8 Jan 2019 3:26

Tgt Ion: 82	Resp:	63268
Ion Ratio	Lower	Upper
82	100	
128	38.6	35.7 53.5
54	51.4	45.8 68.8



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: 99.555 ng

RT: 8.12 min Scan# 1026

Delta R.T. 0.01 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01DL

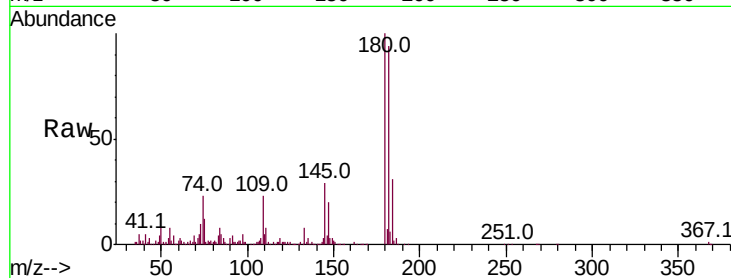
Tot Ion:180 Resp: 572688

Ion Ratio Lower Upper

180 100

182 94.5 76.2 114.4

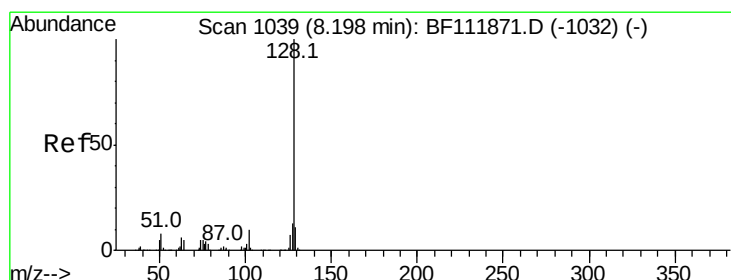
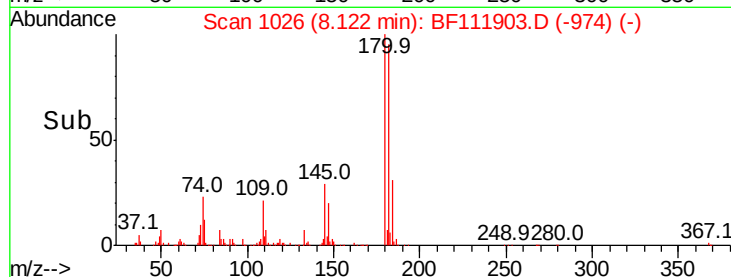
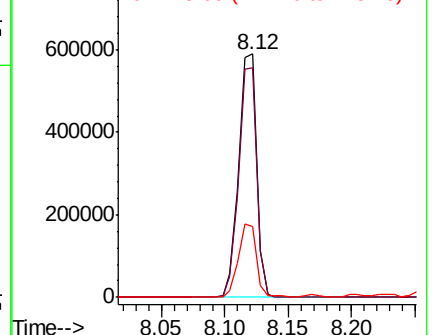
145 29.0 23.4 35.2



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: 37.362 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

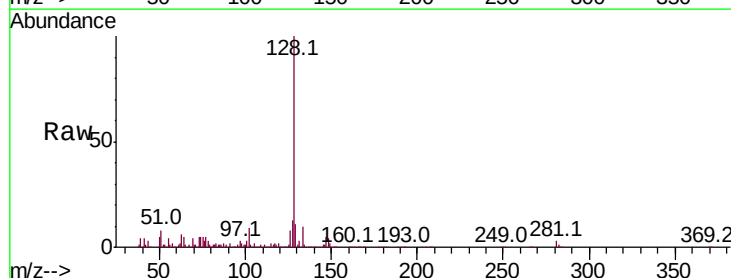
Tgt Ion:128 Resp: 596868

Ion Ratio Lower Upper

128 100

129 11.2 9.0 13.4

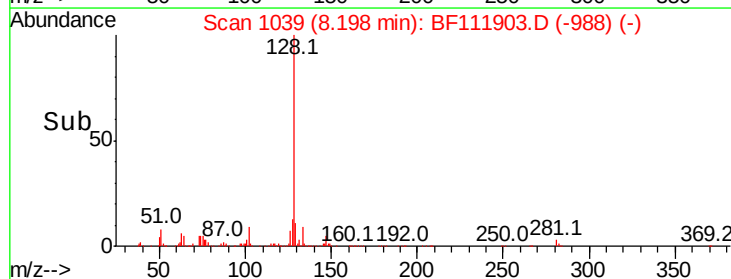
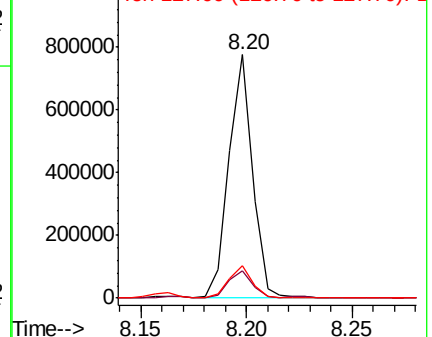
127 13.2 10.7 16.1

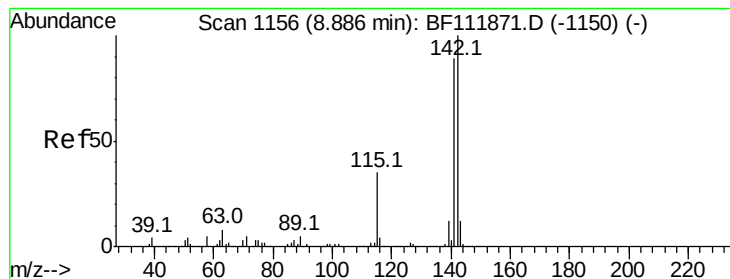


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 35.030 ng

RT: 8.89 min Scan# 1156

Delta R.T. -0.00 min

Lab File: BF111903.D

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P001-SS013A-2430-01DL

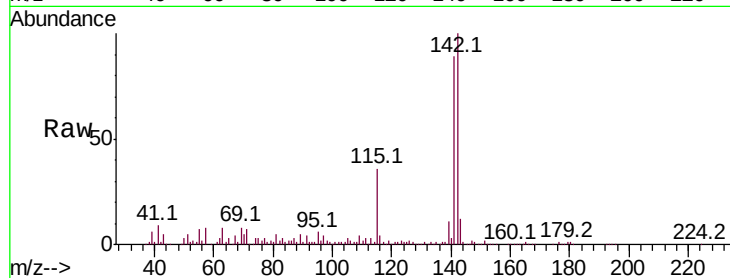
Tot Ion:142 Resp: 346753

Ion Ratio Lower Upper

142 100

141 88.9 71.4 107.2

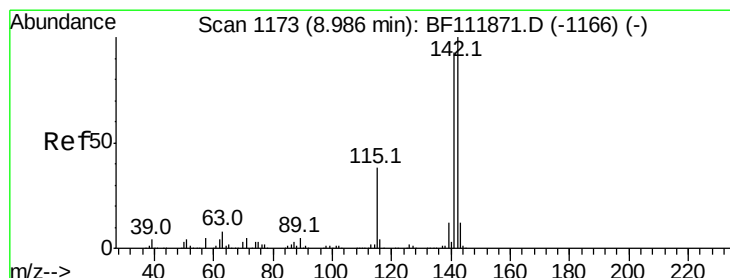
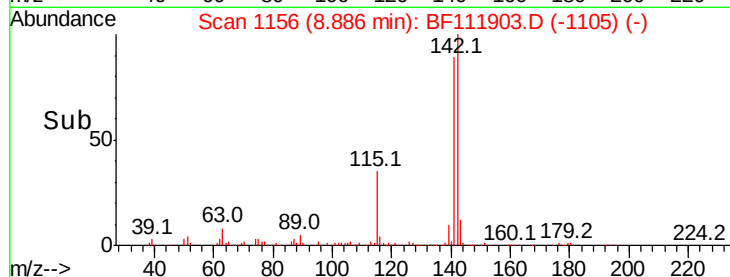
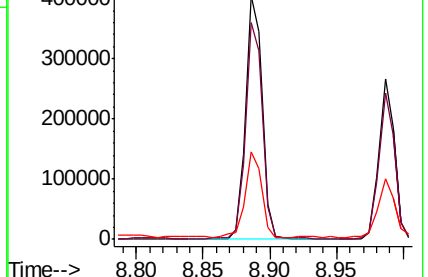
115 35.8 28.3 42.5



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: 22.282 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

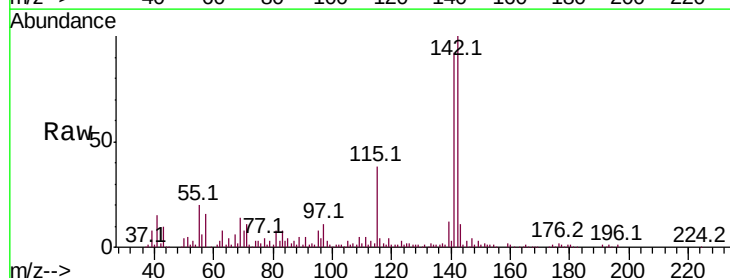
Tgt Ion:142 Resp: 211556

Ion Ratio Lower Upper

142 100

141 91.7 74.8 112.2

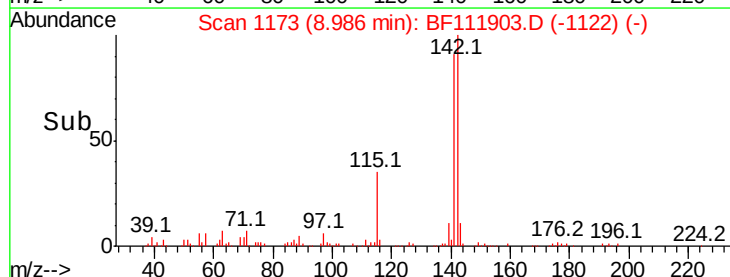
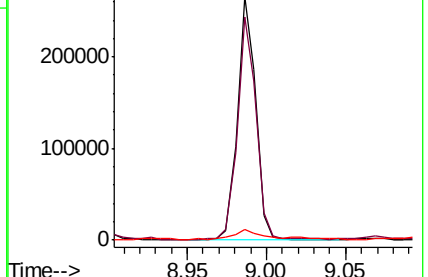
116 4.3 3.1 4.7

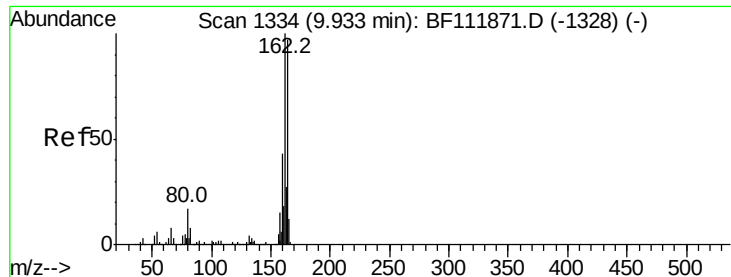


Abundance Ion 142.00 (141.70 to 142.70): E

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: 9.93 min Scan# 1334

Delta R.T. -0.00 min

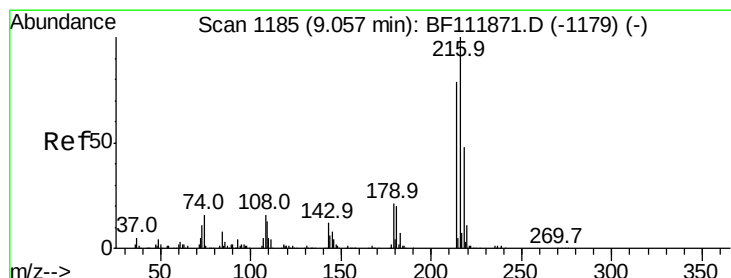
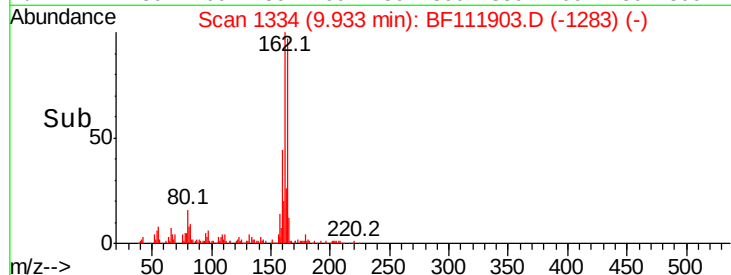
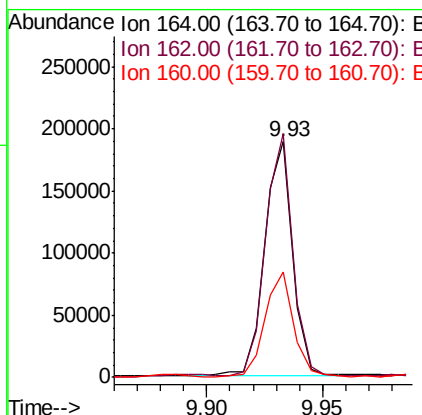
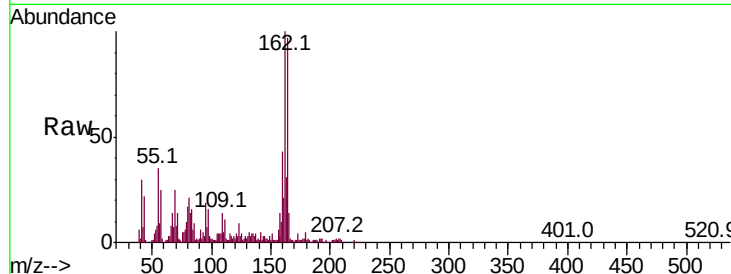
Lab File: BF111903.D

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

Tot Ion:164 Resp: 156971

Ion	Ratio	Lower	Upper
164	100		
162	103.3	82.2	123.2
160	44.9	35.5	53.3



#40

1,2,4,5-Tetrachlorobenzene

Concen: 12.208 ng

RT: 9.06 min Scan# 1185

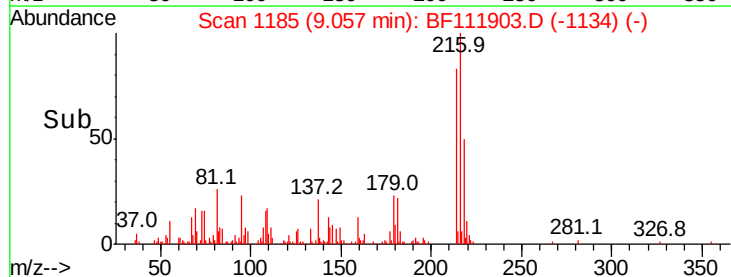
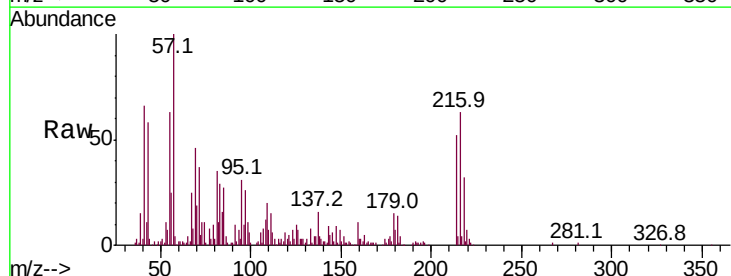
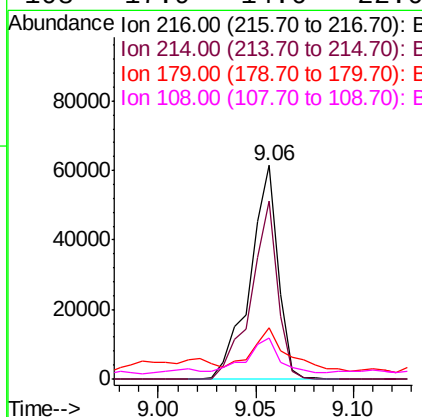
Delta R.T. -0.00 min

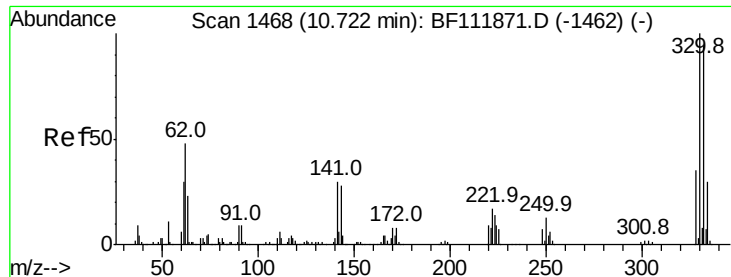
Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

Tgt Ion:216 Resp: 61090

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.5	95.3
179	26.2	17.0	25.6#
108	17.9	14.6	22.0





#42

2,4,6-Tribromophenol

Concen: 11.094 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01DL

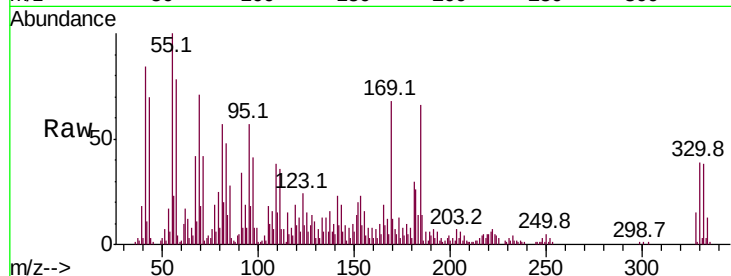
Tot Ion:330 Resp: 22650

Ion Ratio Lower Upper

330 100

332 93.2 76.9 115.3

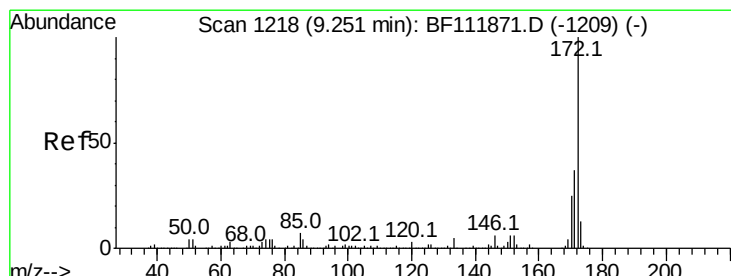
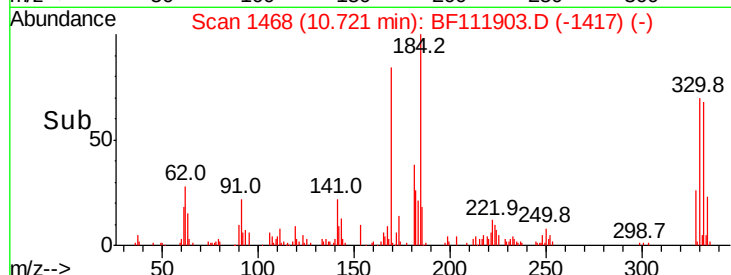
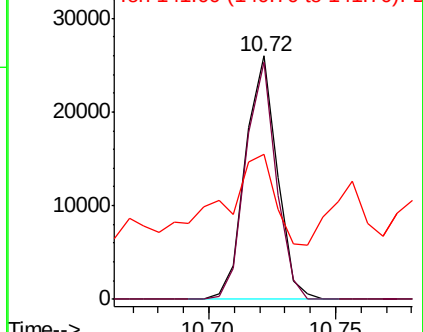
141 61.3 23.7 35.5#



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: 7.714 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

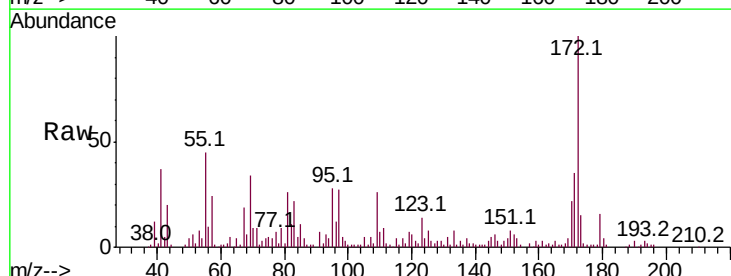
Tgt Ion:172 Resp: 83039

Ion Ratio Lower Upper

172 100

171 35.1 29.6 44.4

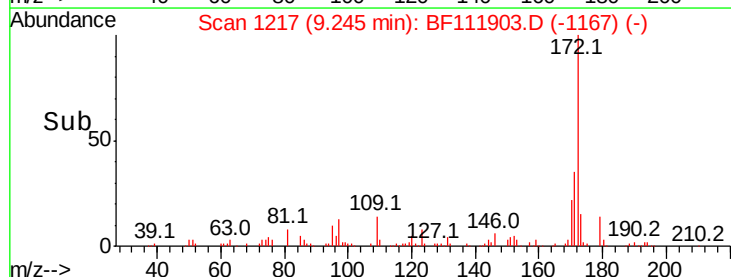
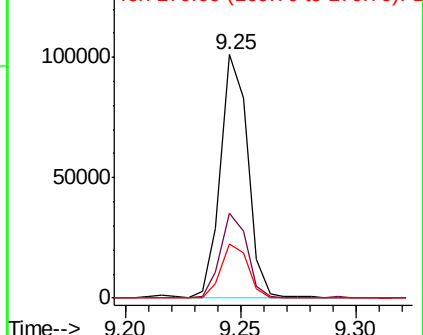
170 22.2 19.8 29.8

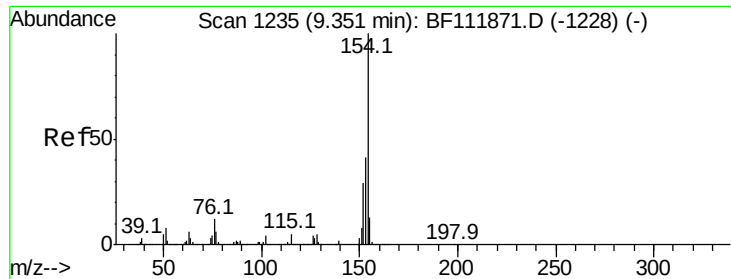


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

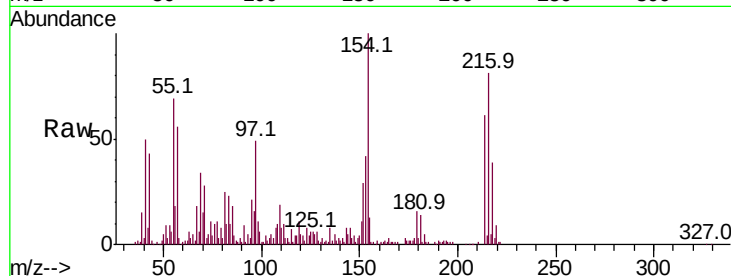




#46
 1,1'-Biphenyl
 Concen: 6.901 ng
 RT: 9.35 min Scan# 1235
 Delta R.T. -0.00 min
 Lab File: BF111903.D
 Acq: 8 Jan 2019 3:26

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

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.3	21.3	61.3
76	10.3	0.0	32.3

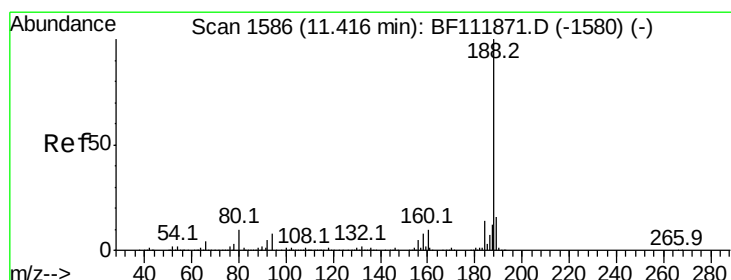
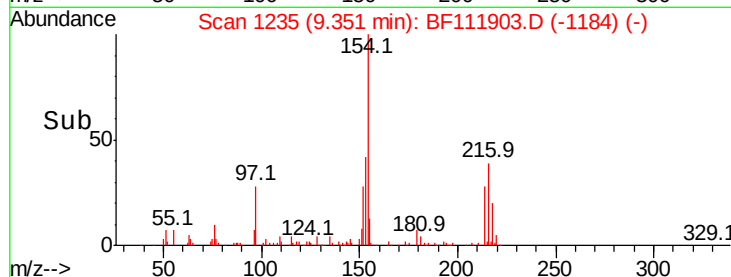
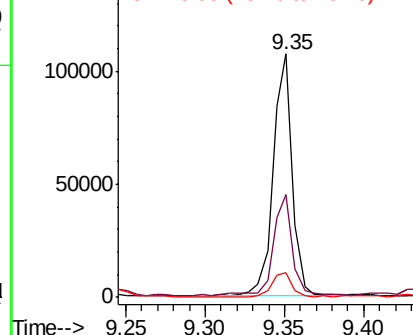


Abundance

Ion 154.00 (153.70 to 154.70): E

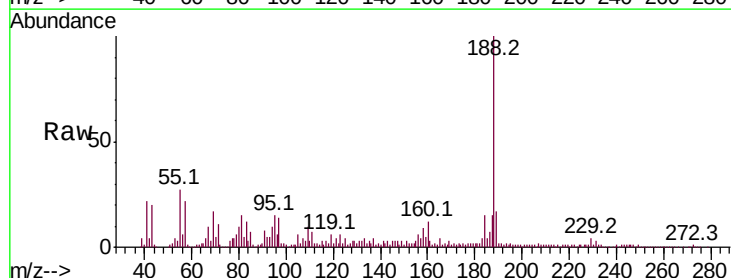
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: BF111903.D
 Acq: 8 Jan 2019 3:26

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.9	6.6	10.0
80	10.2	7.7	11.5

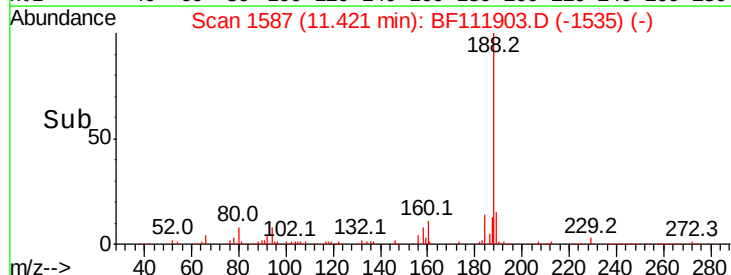
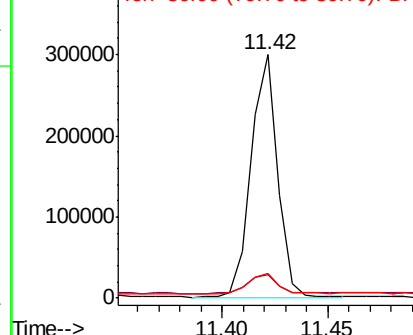


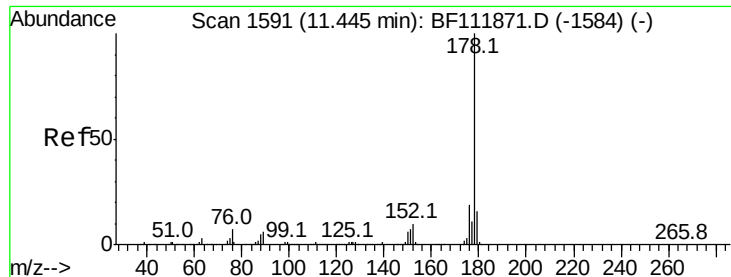
Abundance

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: 11.309 ng

RT: 11.44 min Scan# 1591

Delta R.T. -0.00 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01DL

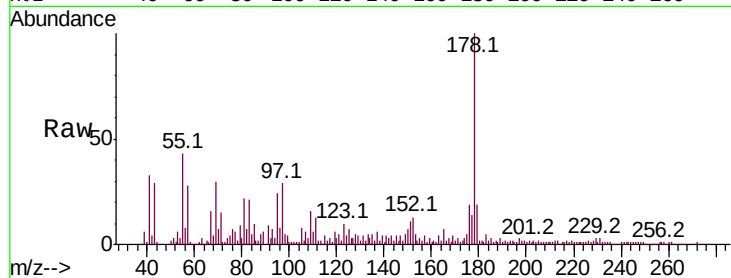
Tot Ion:178 Resp: 156491

Ion Ratio Lower Upper

178 100

176 19.4 15.6 23.4

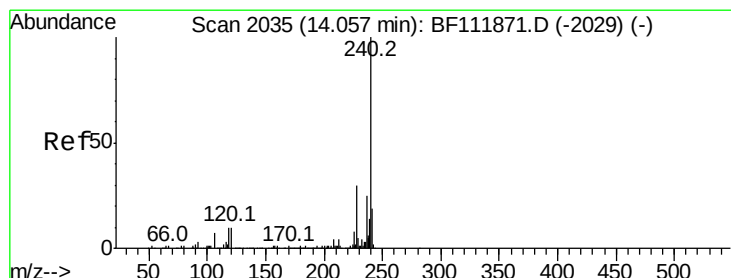
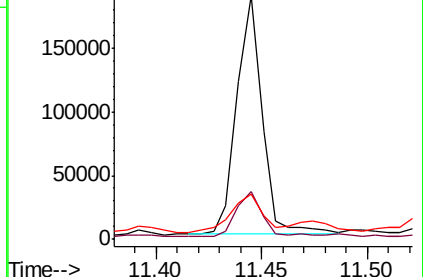
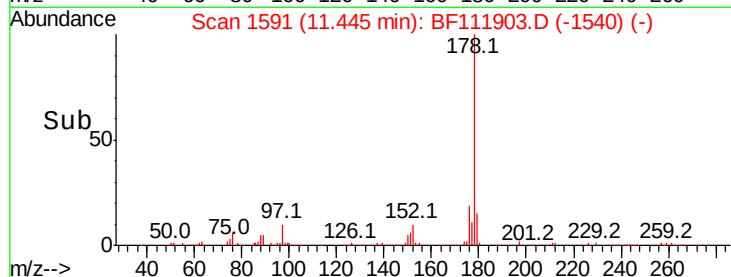
179 18.5 12.6 18.8



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



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.01 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

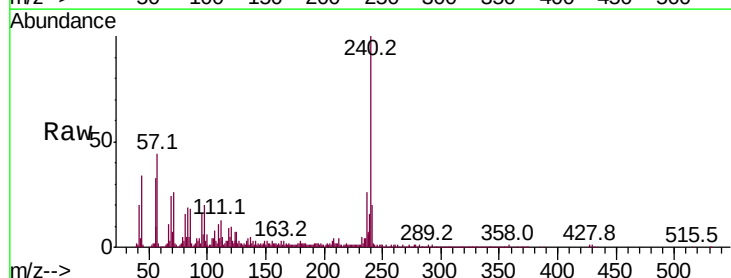
Tgt Ion:240 Resp: 271742

Ion Ratio Lower Upper

240 100

120 10.2 8.2 12.2

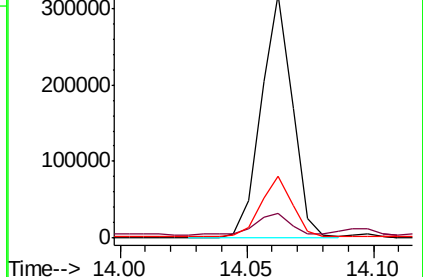
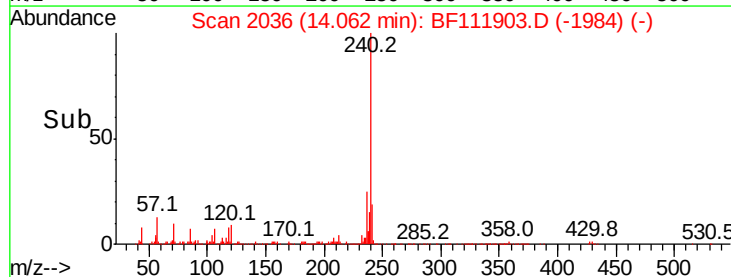
236 25.7 20.2 30.4

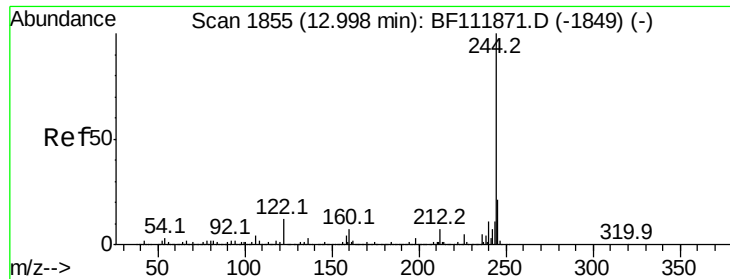


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 7.840 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

Instrument :

BNA_F

ClientSampleId :

P001-SS013A-2430-01DL

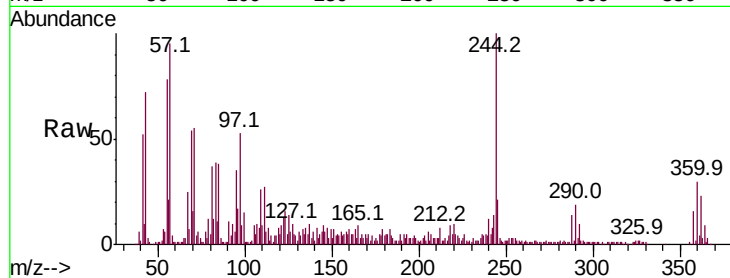
Tot Ion:244 Resp: 112239

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

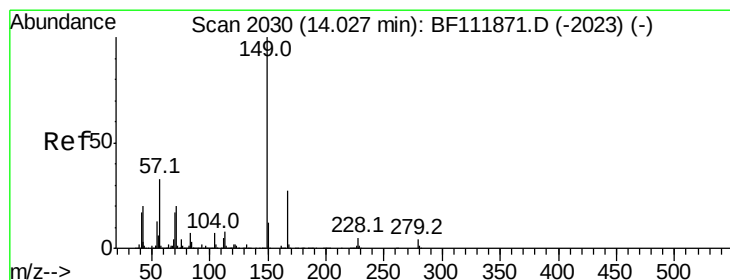
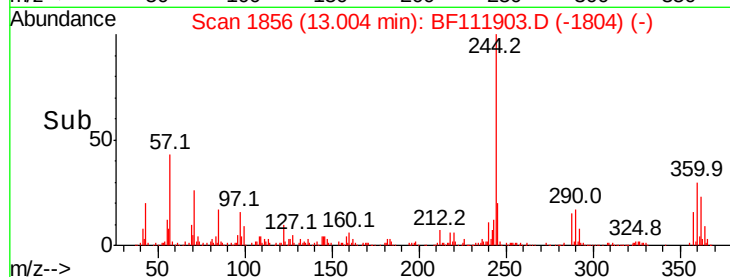
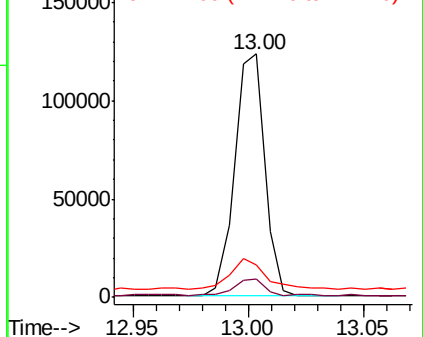
122 13.4 9.5 14.3



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: 27.404 ng

RT: 14.04 min Scan# 2032

Delta R.T. 0.01 min

Lab File: BF111903.D

Acq: 8 Jan 2019 3:26

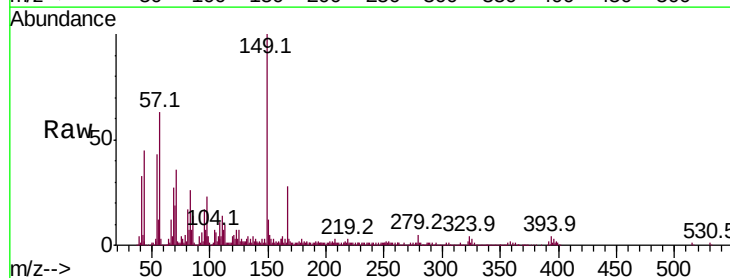
Tgt Ion:149 Resp: 284490

Ion Ratio Lower Upper

149 100

167 28.3 21.5 32.3

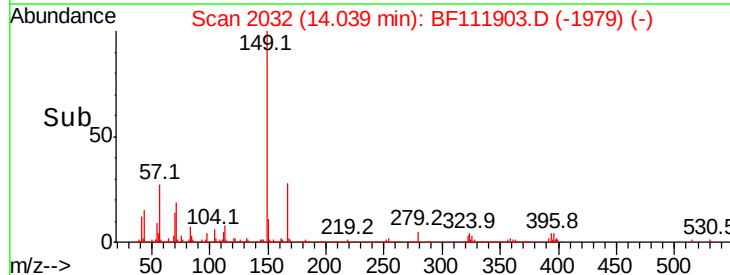
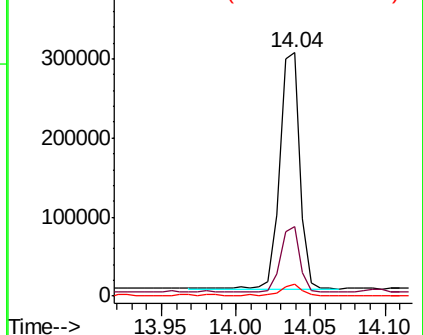
279 5.1 3.0 4.6#

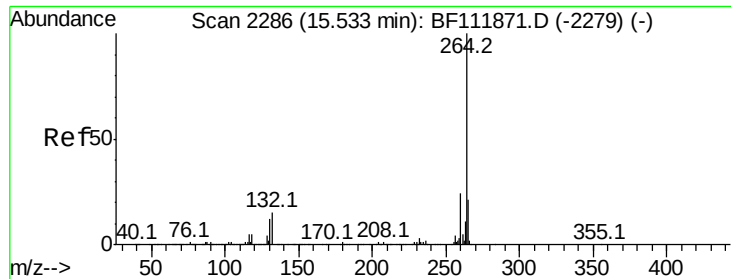


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

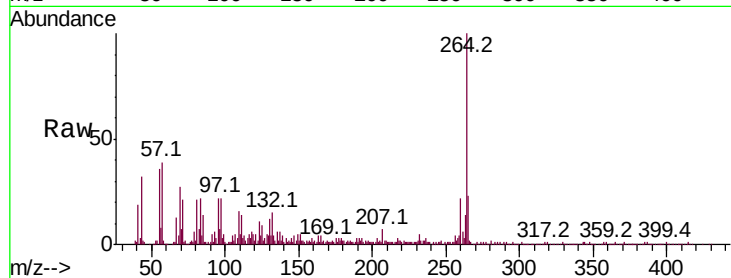




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.55 min Scan# 2289
Delta R.T. 0.02 min
Lab File: BF111903.D
Acq: 8 Jan 2019 3:26

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

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.3	19.2	28.8
265	22.5	17.1	25.7



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

