

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
 Data File : BF114081.D
 Acq On : 2 May 2019 13:02
 Operator : JU/SJ
 Sample : K2584-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-0419-S-DH-7

Quant Time: May 02 13:53:06 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF042219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 23 03:32:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	76281	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	217639	20.00	ng	-0.01
39) Acenaphthene-d10	9.92	164	121380	20.00	ng	-0.01
64) Phenanthrene-d10	11.41	188	257704	20.00	ng	0.00
76) Chrysene-d12	14.06	240	226912	20.00	ng	-0.01
87) Perylene-d12	15.56	264	217814	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.52	112	931879	208.94	ng	0.00
7) Phenol-d6	6.53	99	1205585	215.45	ng	0.00
23) Nitrobenzene-d5	7.45	82	735153	208.56	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	378105	255.71	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1181303	152.22	ng	-0.01
79) Terphenyl-d14	13.00	244	2216335	200.24	ng	0.00

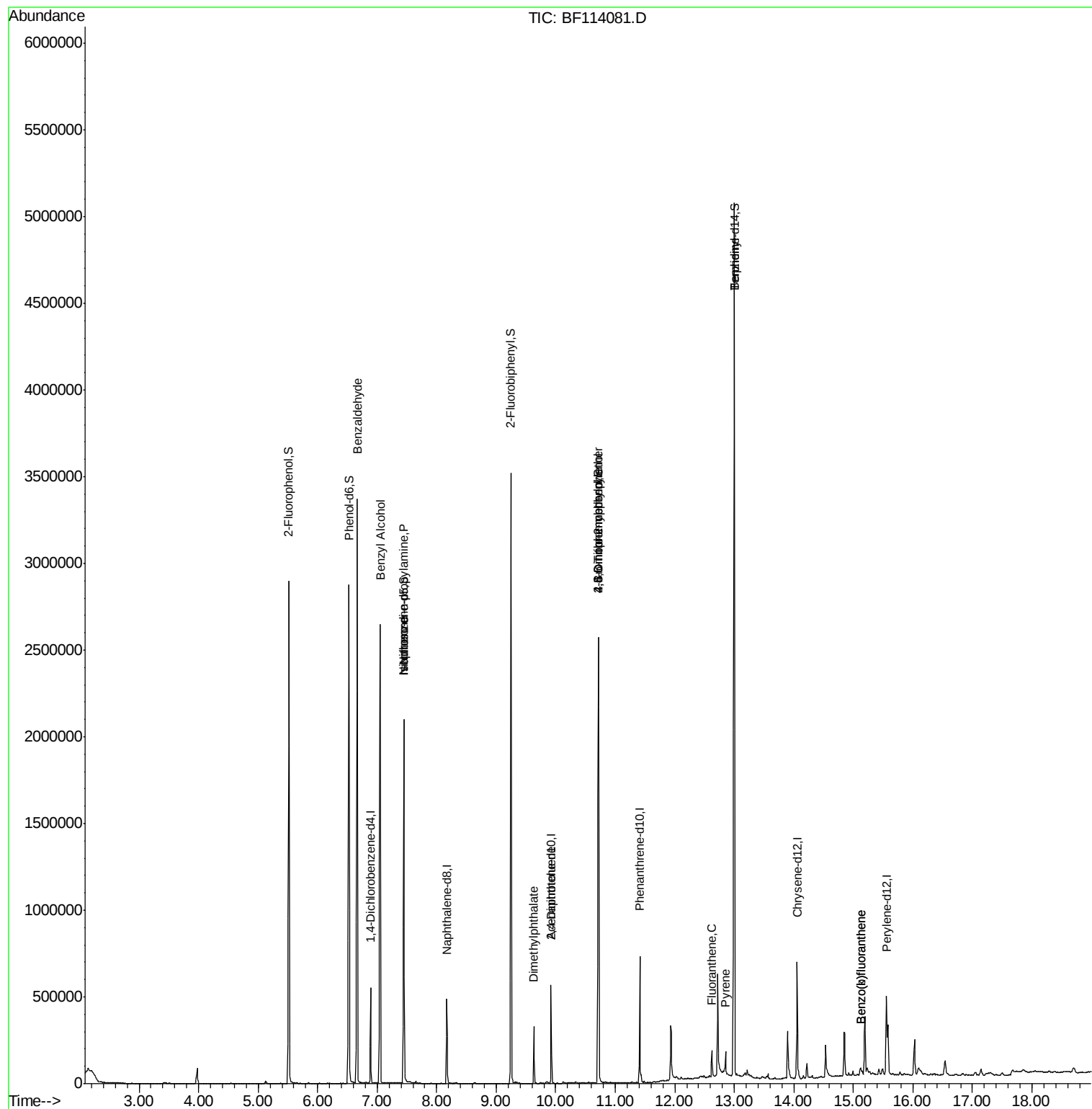
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.66	77	22435	2.678	ng	85
15) Benzyl Alcohol	7.05	79	12178	3.231	ng	# 50
19) n-Nitroso-di-n-propylamine	7.45	70	98395	27.154	ng	# 77
25) Isophorone	7.45	82	735144	101.927	ng	# 65
50) Dimethylphthalate	9.63	163	126787	14.443	ng	99
57) 2,4-Dinitrotoluene	9.92	165	15395	6.476	ng	# 27
65) 4,6-Dinitro-2-methylphenol	10.72	198	699	7.810	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	24934	8.009	ng	# 1
75) Fluoranthene	12.62	202	56402	3.992	ng	96
77) Benzidine	13.00	184	27687	4.095	ng	# 96
78) Pyrene	12.85	202	52918	3.335	ng	96
88) Benzo(b)fluoranthene	15.12	252	32527	2.360	ng	# 97
89) Benzo(k)fluoranthene	15.12	252	32527	2.744	ng	# 98

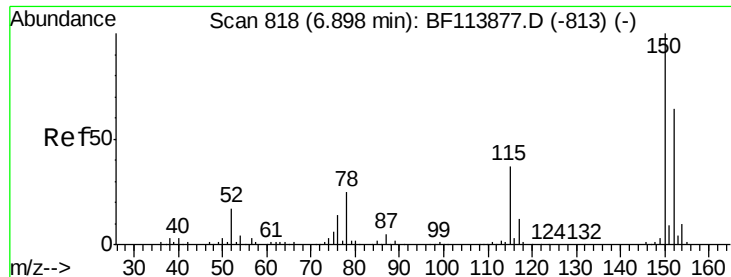
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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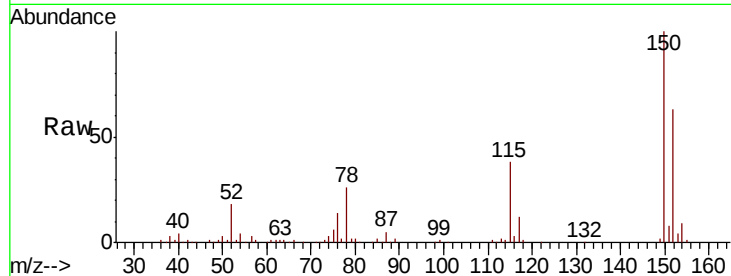


#1

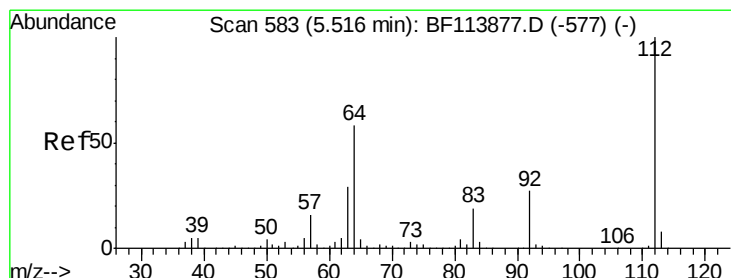
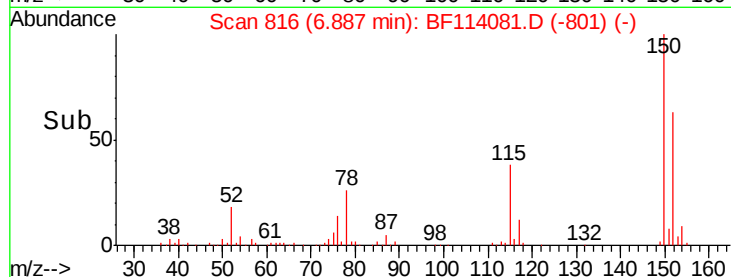
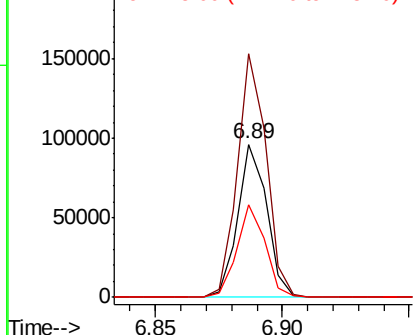
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-7

Tot Ion:152 Resp: 76281
Ion Ratio Lower Upper
152 100
150 159.0 125.9 188.9
115 60.9 45.9 68.9



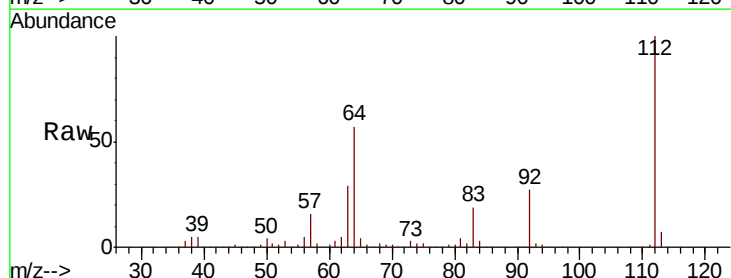
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



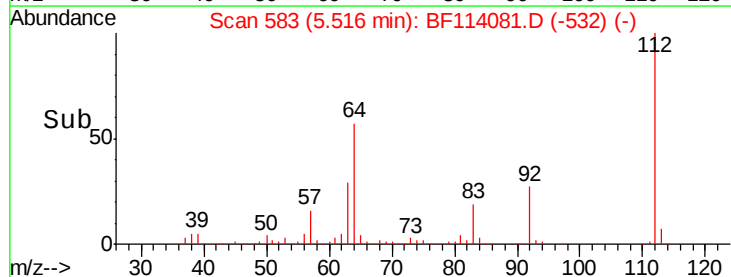
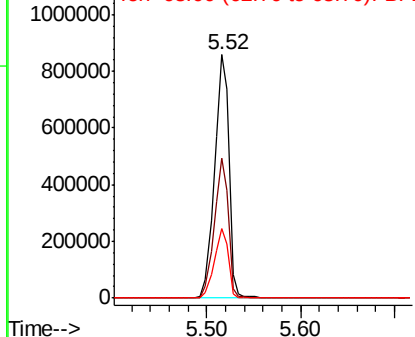
#5

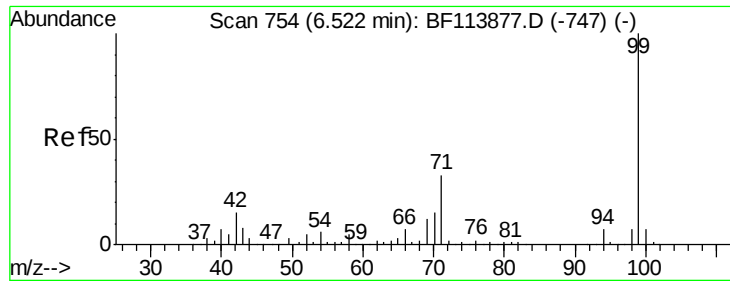
2-Fluorophenol
Concen: 208.944 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

Tgt Ion:112 Resp: 931879
Ion Ratio Lower Upper
112 100
64 57.3 46.6 69.8
63 28.8 23.1 34.7



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: 215.455 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-7

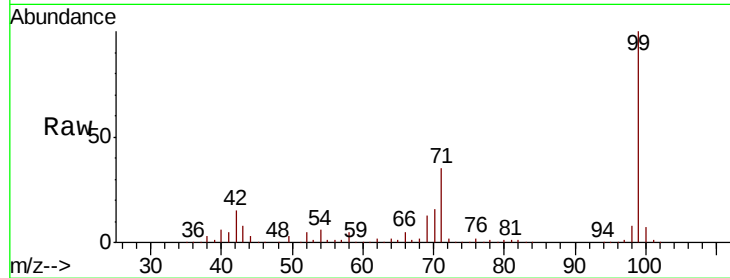
Tot Ion: 99 Resp: 1205585

Ion Ratio Lower Upper

99 100

42 15.3 12.5 18.7

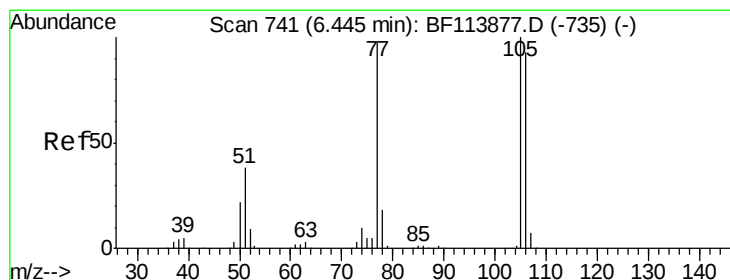
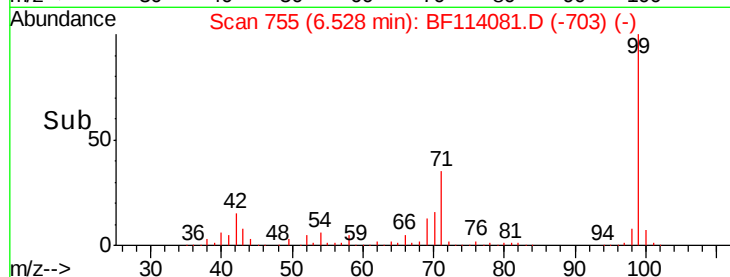
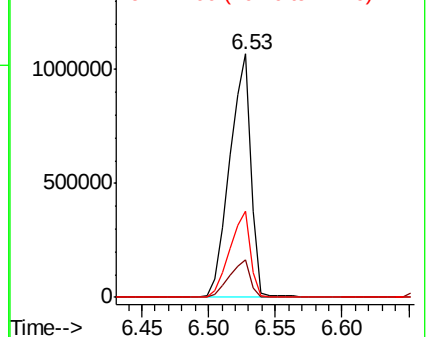
71 35.3 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.678 ng

RT: 6.66 min Scan# 778

Delta R.T. 0.22 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

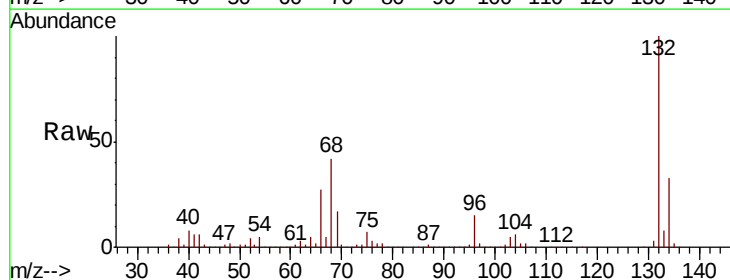
Tgt Ion: 77 Resp: 22435

Ion Ratio Lower Upper

77 100

105 82.9 74.1 114.1

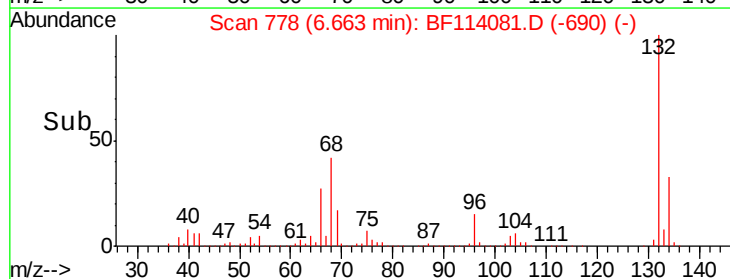
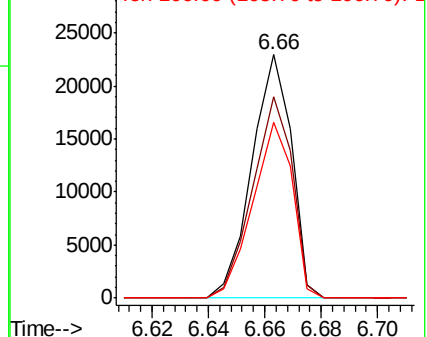
106 72.3 70.3 110.3

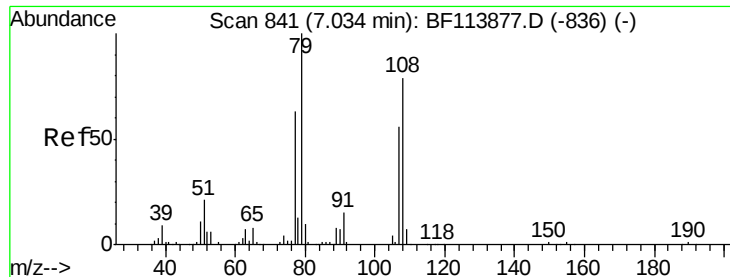


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#15

Benzyl Alcohol

Concen: 3.231 ng

RT: 7.05 min Scan# 843

Delta R.T. 0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

Instrument :

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SSSI-0419-S-DH-7

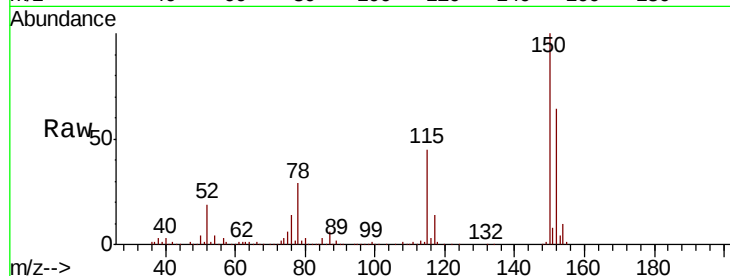
Tot Ion: 79 Resp: 12178

Ion Ratio Lower Upper

79 100

108 31.0 61.4 92.0#

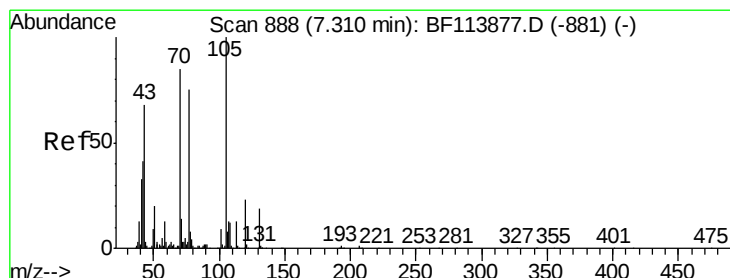
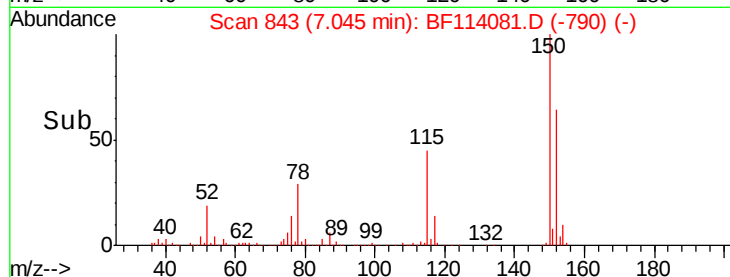
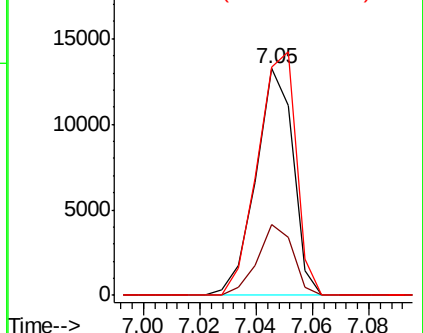
77 100.4 51.6 77.4#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 27.154 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

Tgt Ion: 70 Resp: 98395

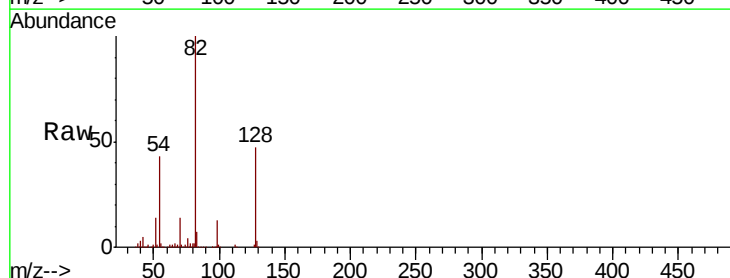
Ion Ratio Lower Upper

70 100

42 38.6 37.3 55.9

101 0.0 7.8 11.8#

130 1.9 18.2 27.2#

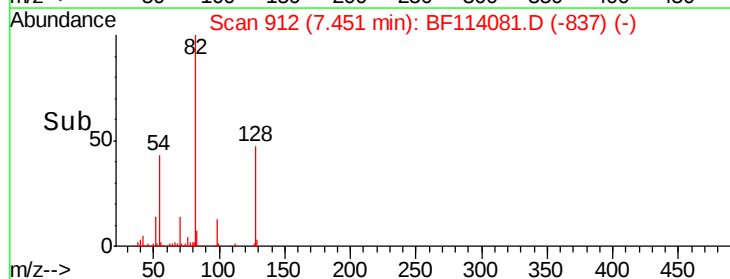
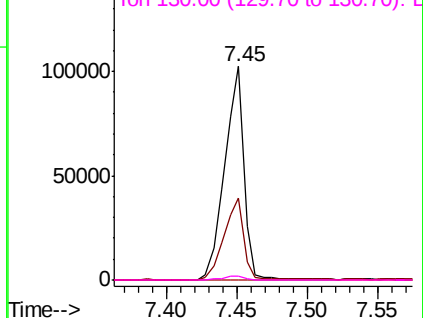


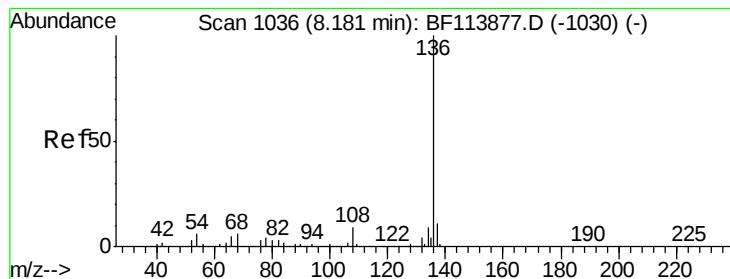
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

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Tot Ion:136 Resp: 217639

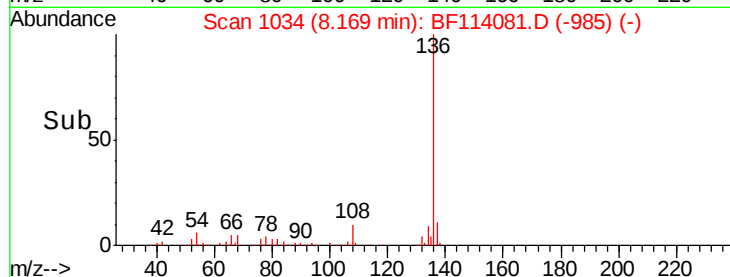
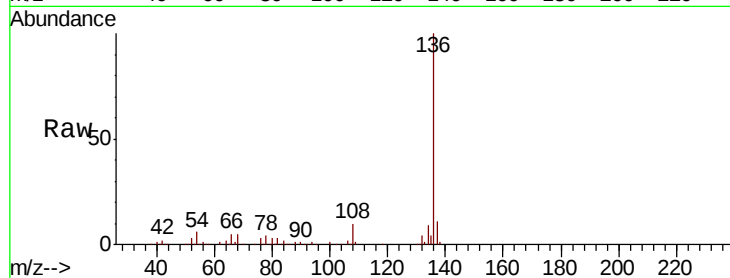
Ion Ratio Lower Upper

136 100

137 10.8 8.6 12.8

54 5.6 5.0 7.6

68 5.3 4.9 7.3

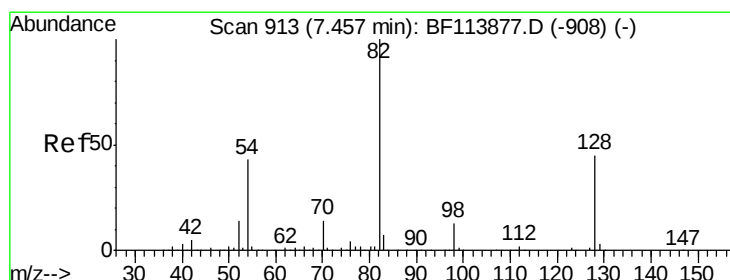
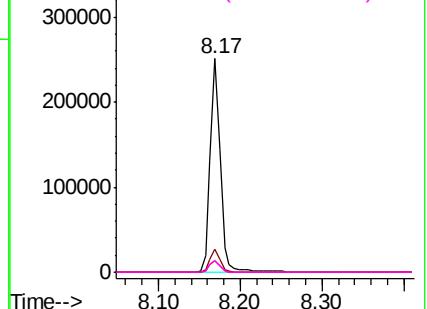


Abundance Ion 136.00 (135.70 to 136.70): E

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: 208.562 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

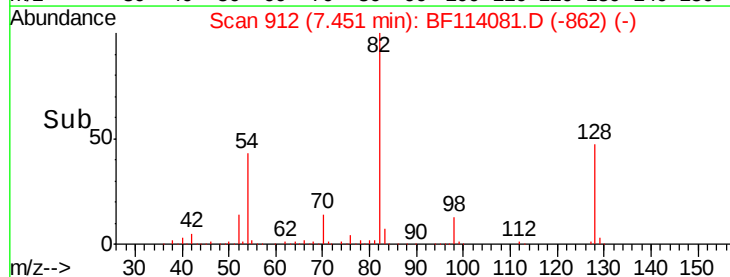
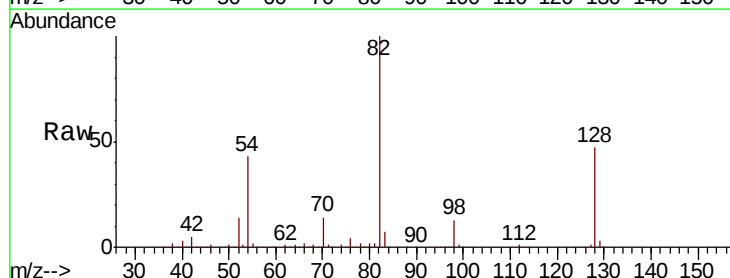
Tgt Ion: 82 Resp: 735153

Ion Ratio Lower Upper

82 100

128 46.6 36.8 55.2

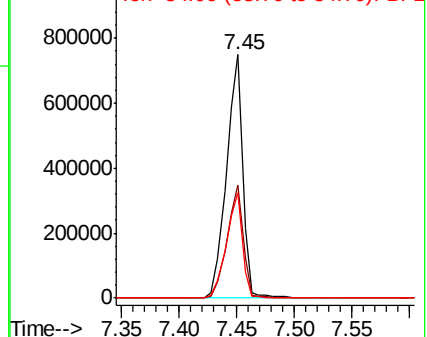
54 43.1 33.8 50.6

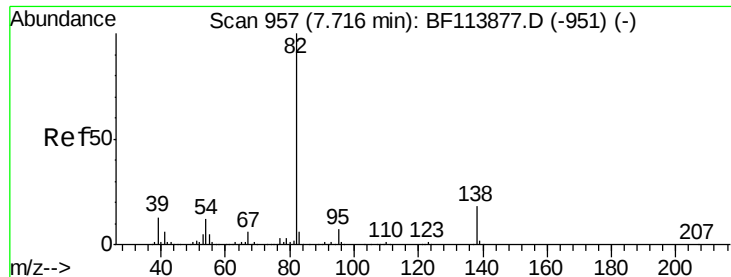


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 101.927 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114081.D

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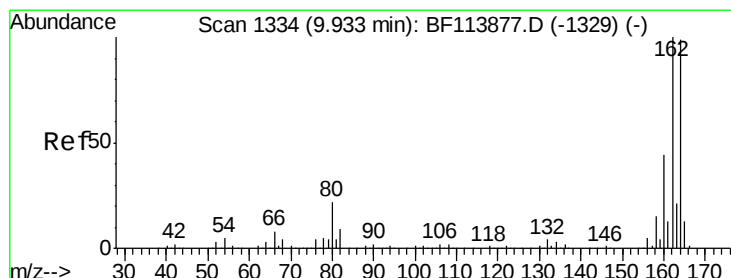
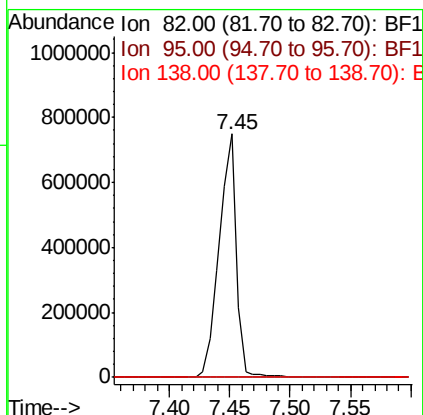
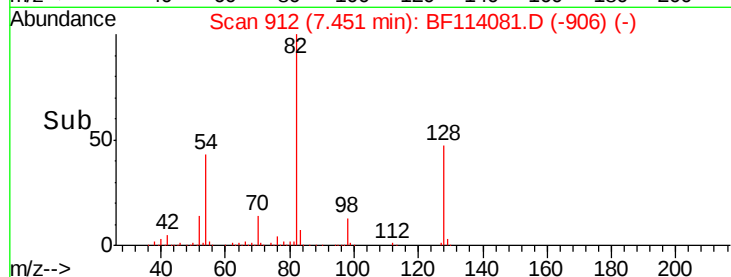
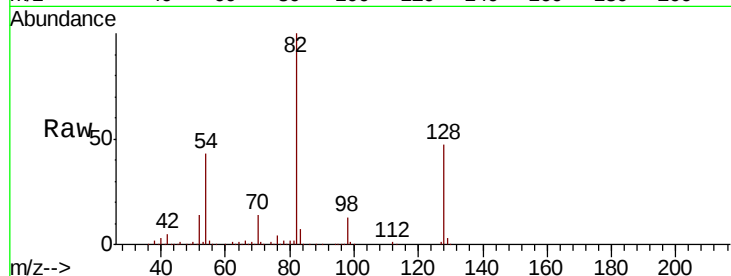
Tot Ion: 82 Resp: 735144

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

138 0.0 14.6 22.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

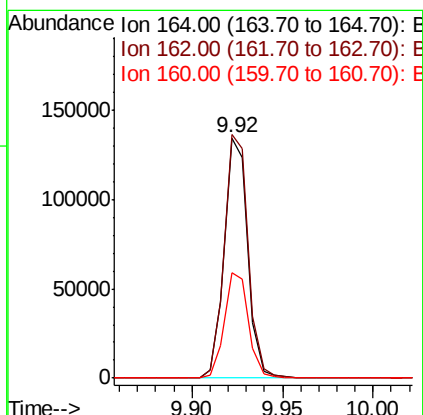
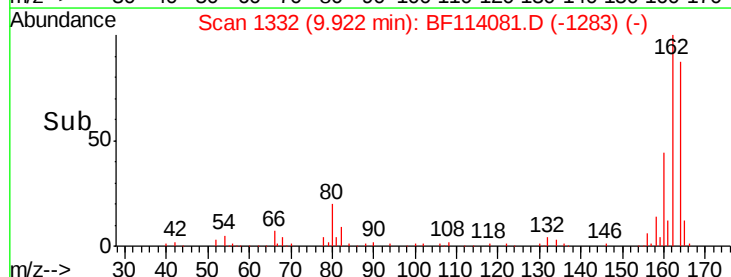
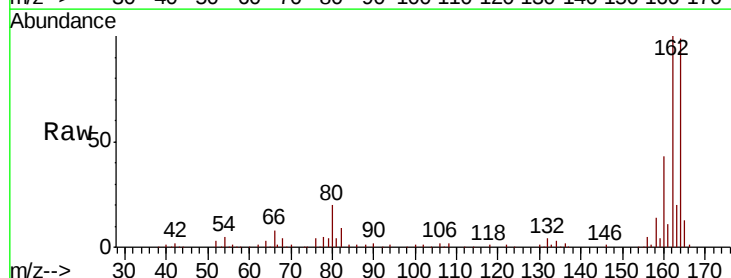
Tgt Ion:164 Resp: 121380

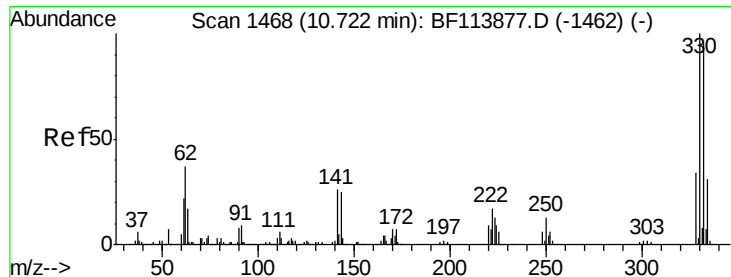
Ion Ratio Lower Upper

164 100

162 101.5 81.1 121.7

160 44.0 35.8 53.6





#42

2,4,6-Tribromophenol

Concen: 255.708 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.00 min

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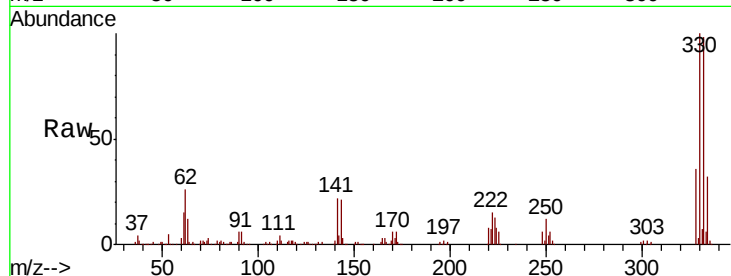
Tot Ion:330 Resp: 378105

Ion Ratio Lower Upper

330 100

332 97.2 77.5 116.3

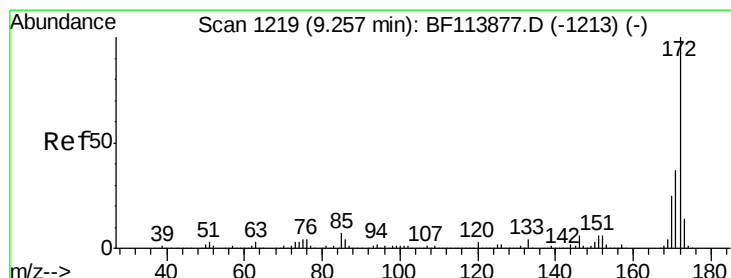
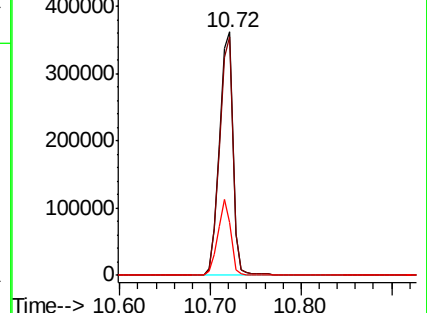
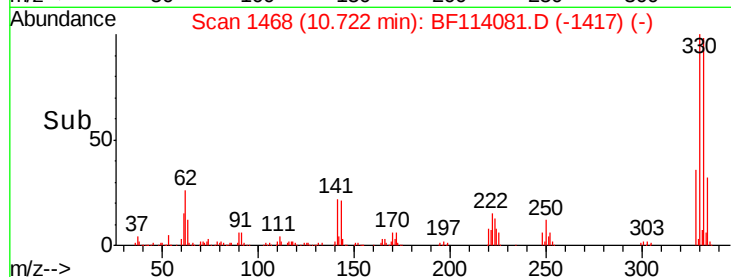
141 29.4 22.2 33.2



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: 152.215 ng

RT: 9.25 min Scan# 1217

Delta R.T. -0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

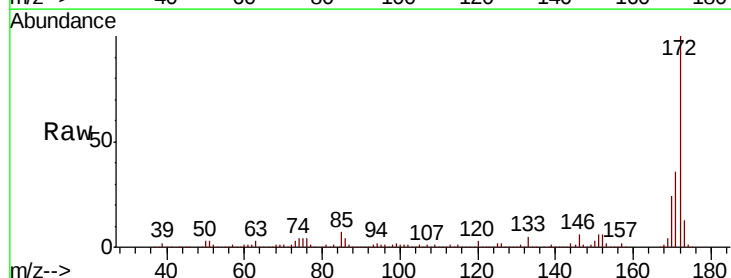
Tgt Ion:172 Resp: 1181303

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.0

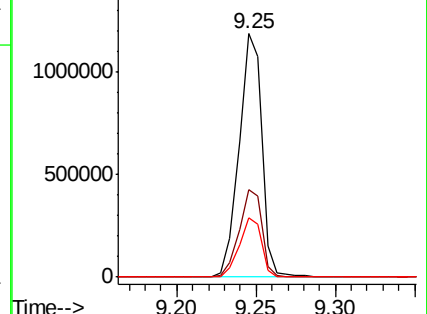
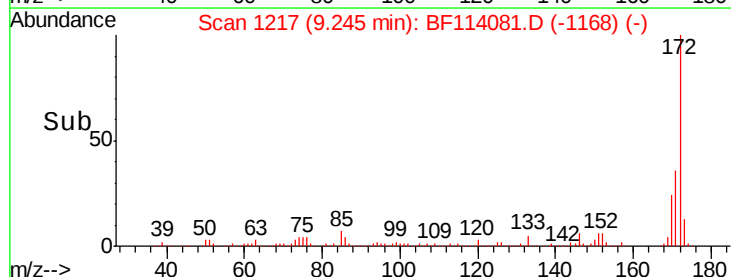
170 24.3 19.9 29.9

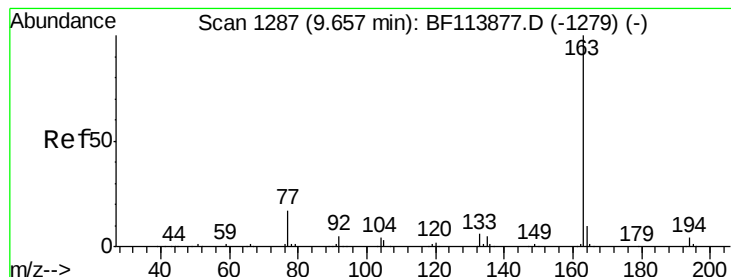


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 14.443 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF114081.D

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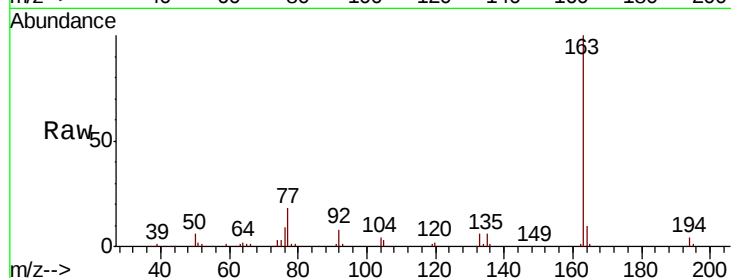
Tot Ion:163 Resp: 126787

Ion Ratio Lower Upper

163 100

194 4.1 3.4 5.2

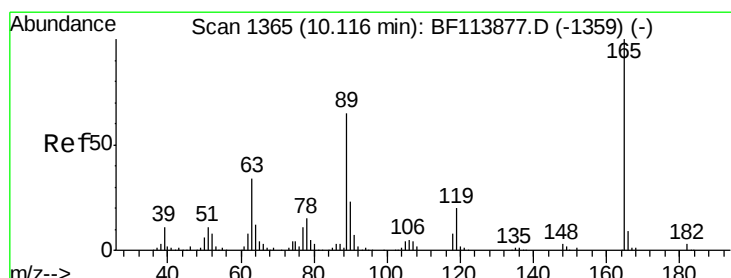
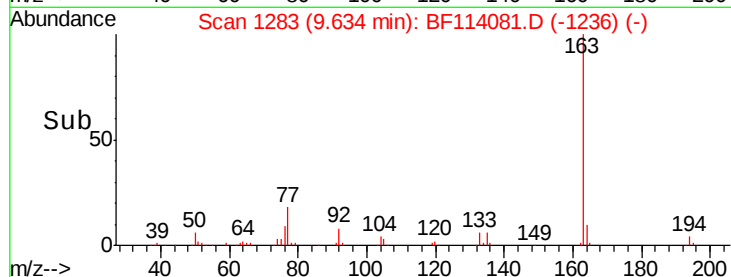
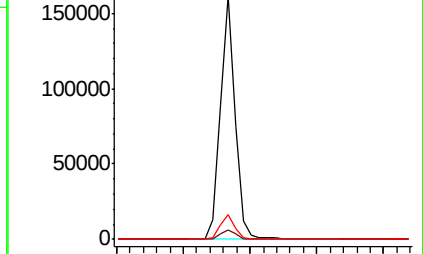
164 10.1 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 6.476 ng

RT: 9.92 min Scan# 1332

Delta R.T. -0.19 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

Tgt Ion:165 Resp: 15395

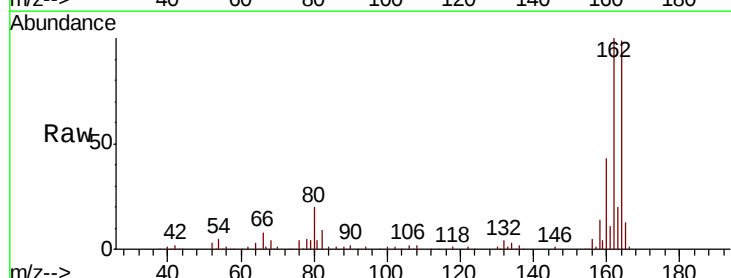
Ion Ratio Lower Upper

165 100

63 0.0 27.4 41.0#

89 0.0 51.8 77.6#

182 0.0 2.2 3.2#

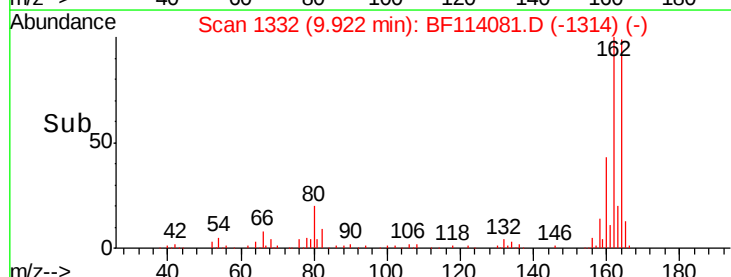
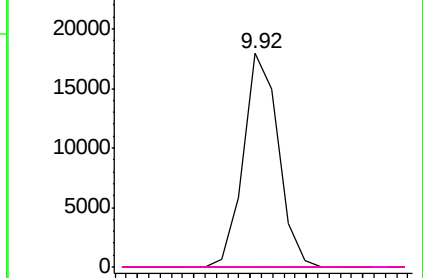


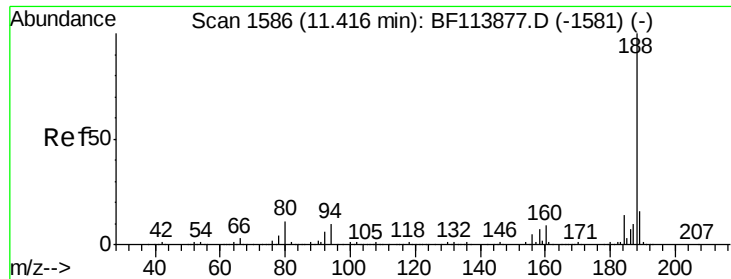
Abundance Ion 165.00 (164.70 to 165.70): E

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

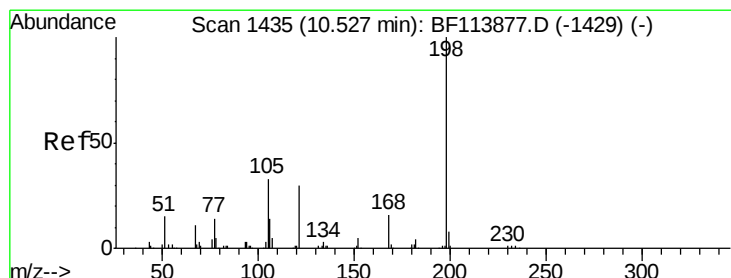
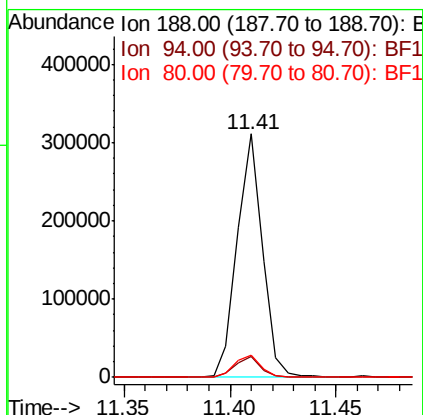
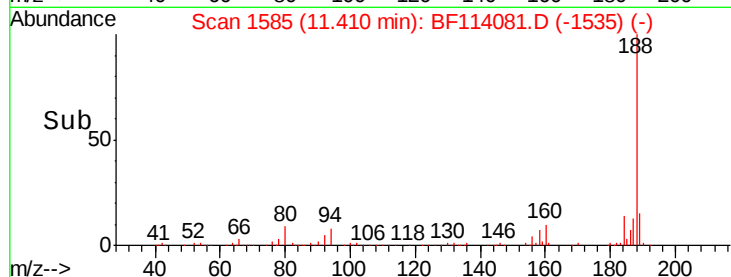
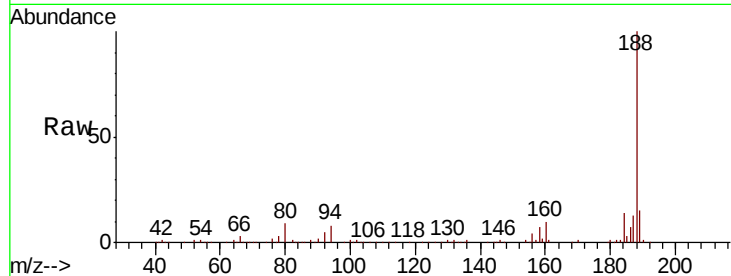




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

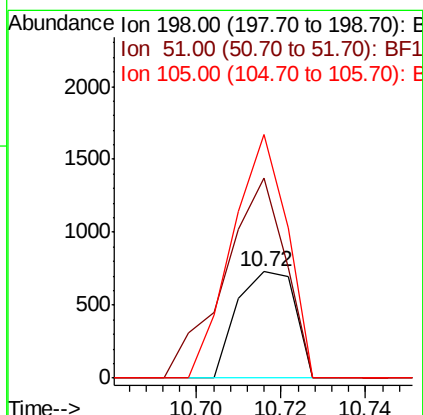
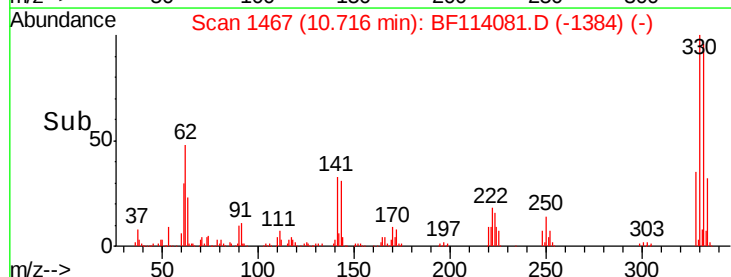
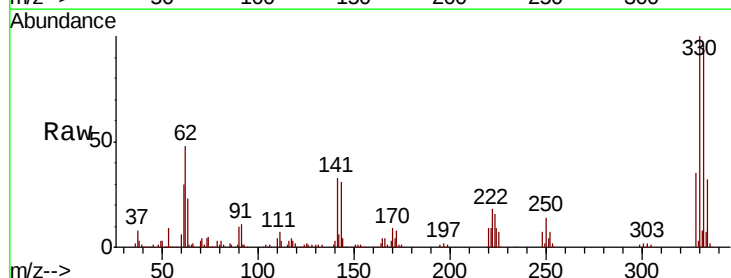
Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-7

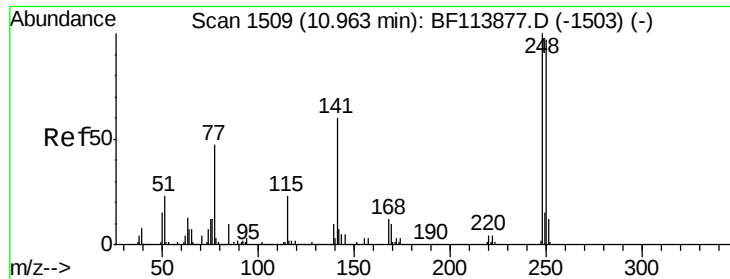
Tot Ion:188 Resp: 257704
Ion Ratio Lower Upper
188 100
94 8.4 8.2 12.4
80 9.2 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.810 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.19 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

Tgt Ion:198 Resp: 699
Ion Ratio Lower Upper
198 100
51 187.8 11.1 51.1#
105 228.5 20.7 60.7#





#67

4-Bromophenyl-phenylether

Concen: 8.009 ng

RT: 10.72 min Scan# 1467

Delta R.T. -0.25 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-7

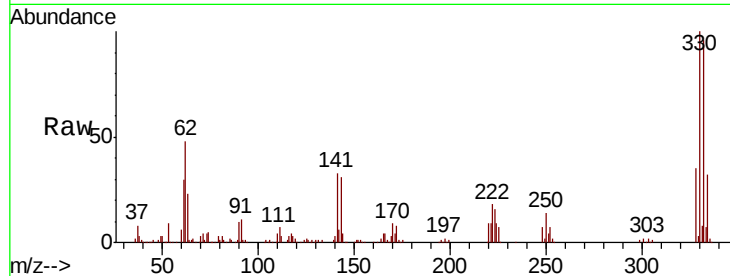
Tot Ion:248 Resp: 24934

Ion Ratio Lower Upper

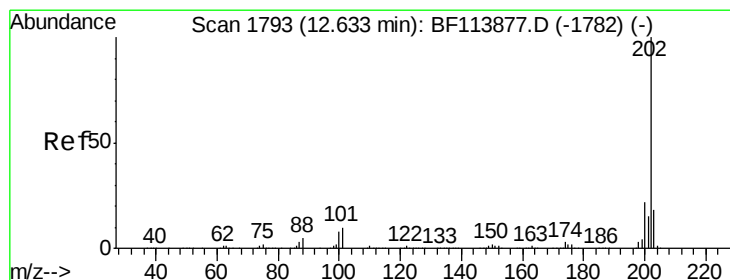
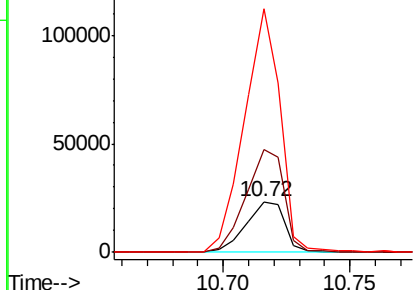
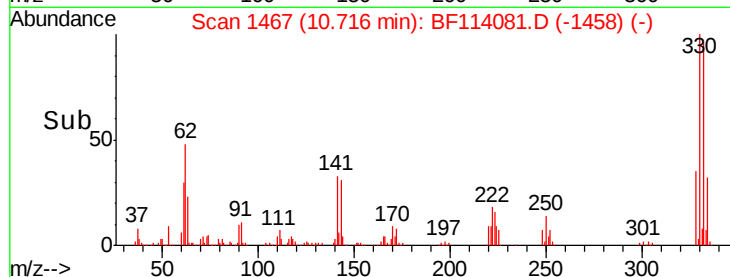
248 100

250 202.9 75.8 113.6#

141 477.9 50.2 75.4#



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

Fluoranthene

Concen: 3.992 ng

RT: 12.62 min Scan# 1791

Delta R.T. -0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

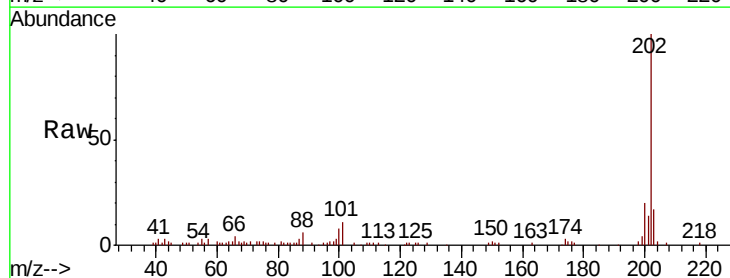
Tgt Ion:202 Resp: 56402

Ion Ratio Lower Upper

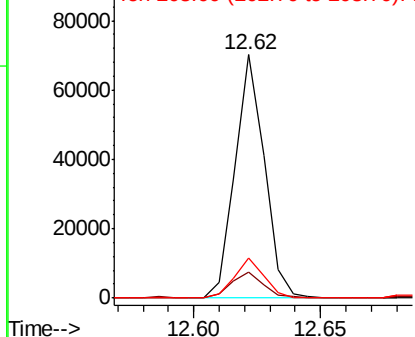
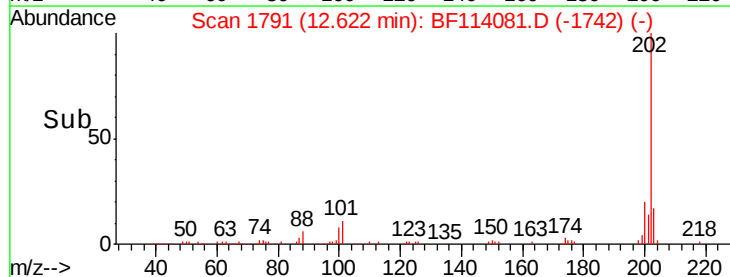
202 100

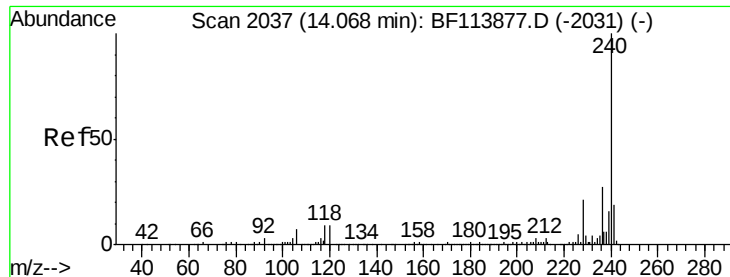
101 10.8 0.0 32.9

203 16.7 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

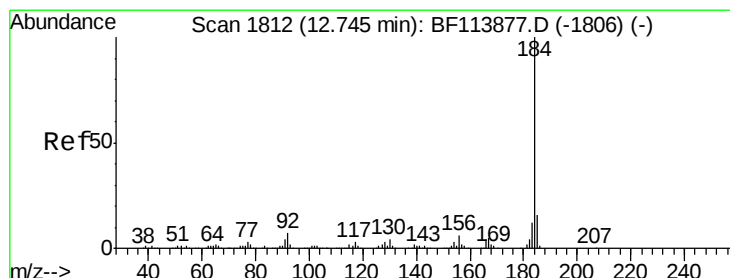
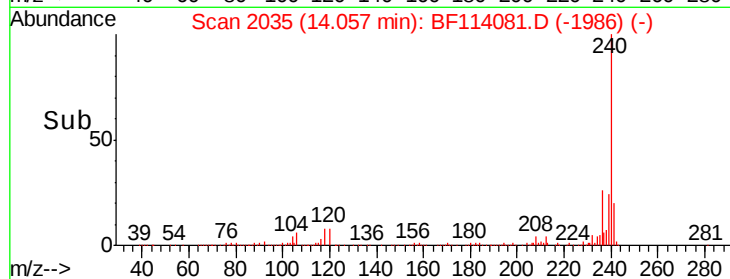
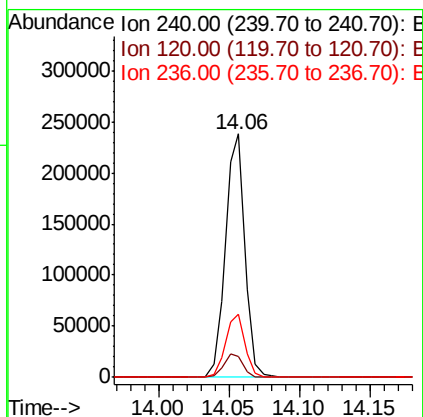
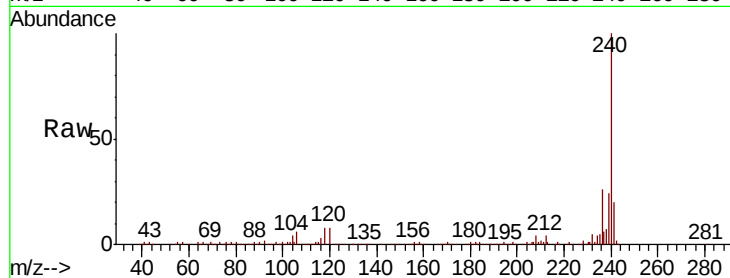




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.01 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

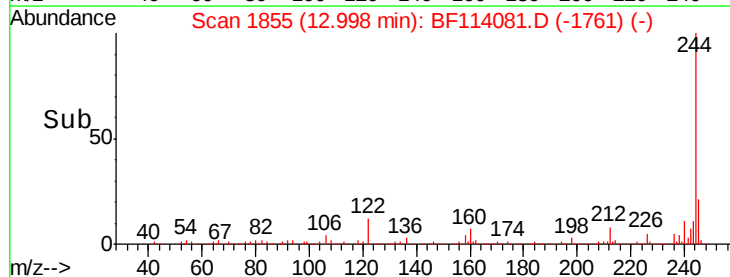
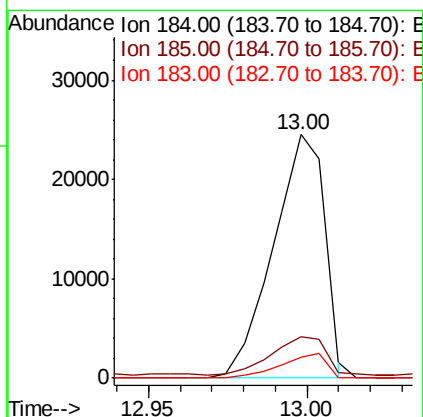
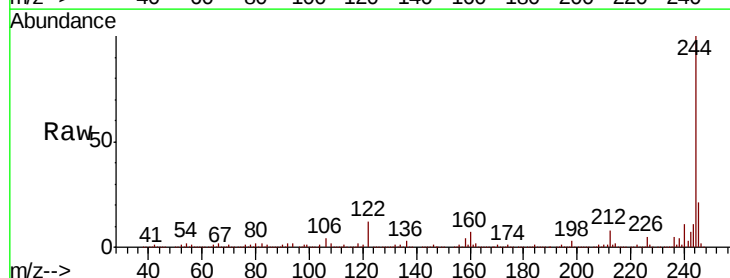
Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-7

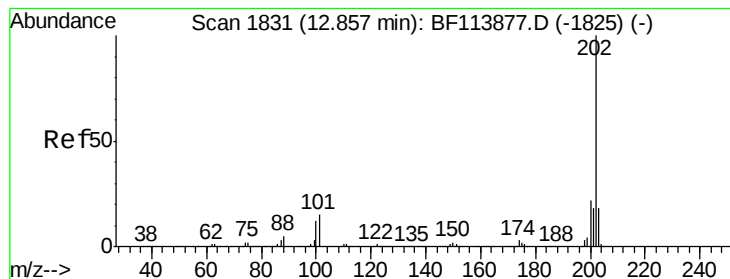
Tot Ion:240 Resp: 226912
Ion Ratio Lower Upper
240 100
120 8.5 9.3 13.9#
236 25.9 21.2 31.8



#77
Benzidine
Concen: 4.095 ng
RT: 13.00 min Scan# 1855
Delta R.T. 0.25 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

Tgt Ion:184 Resp: 27687
Ion Ratio Lower Upper
184 100
185 17.1 13.0 19.6
183 8.8 9.4 14.0#





#78

Pvrene

Concen: 3.335 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-7

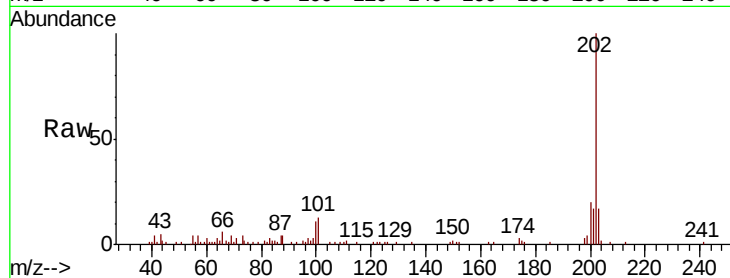
Tot Ion:202 Resp: 52918

Ion Ratio Lower Upper

202 100

200 20.4 17.7 26.5

203 17.3 15.0 22.6

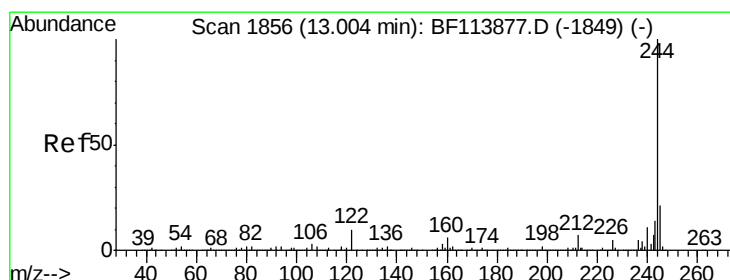
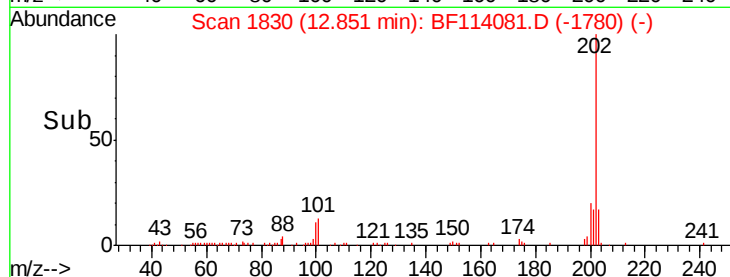
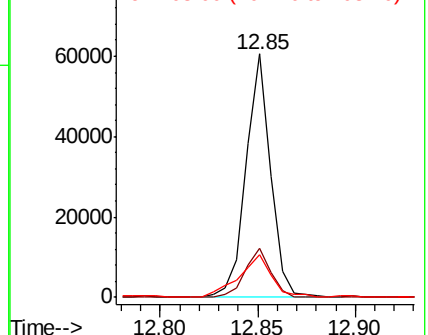


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 200.244 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

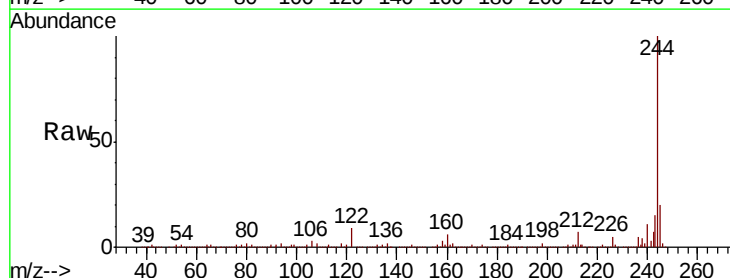
Tgt Ion:244 Resp: 2216335

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

122 9.0 7.6 11.4

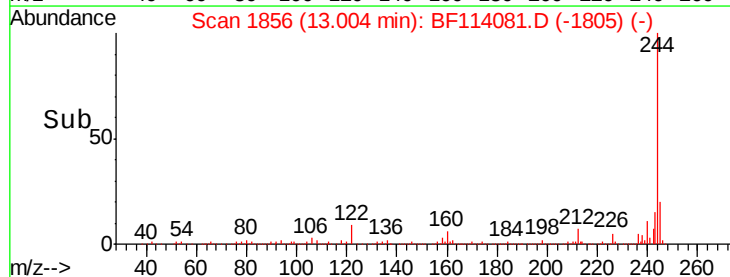
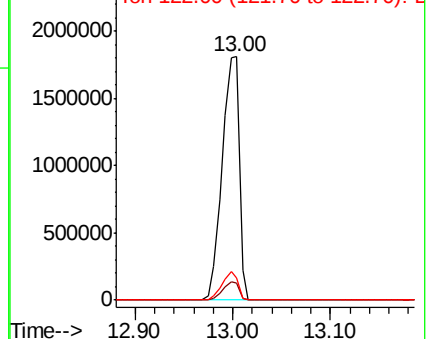


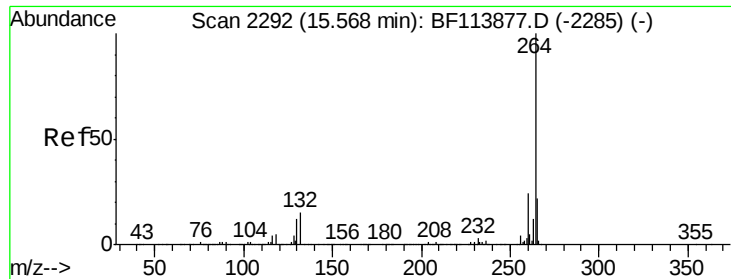
Abundance

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

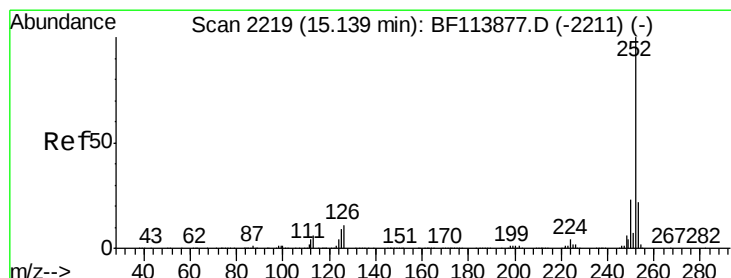
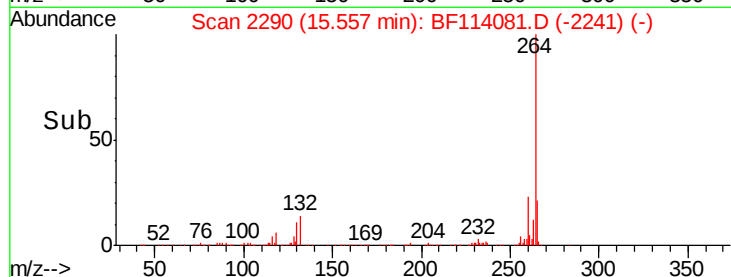
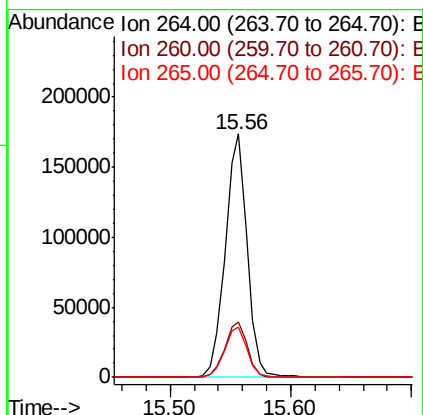
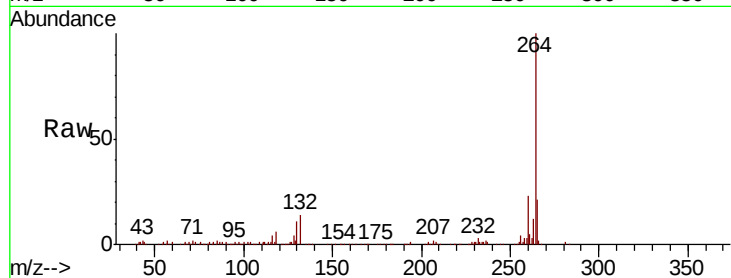




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

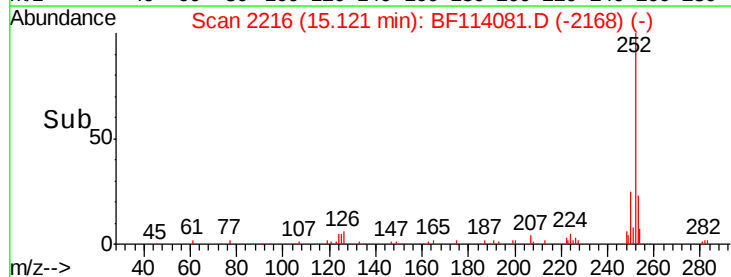
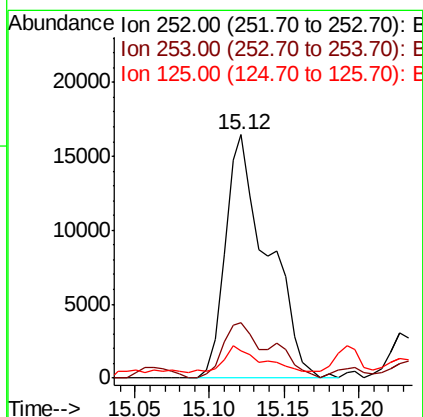
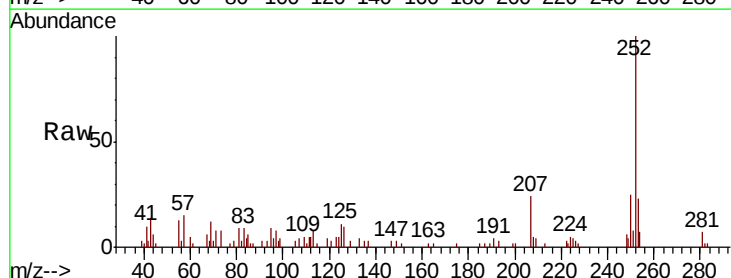
Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-7

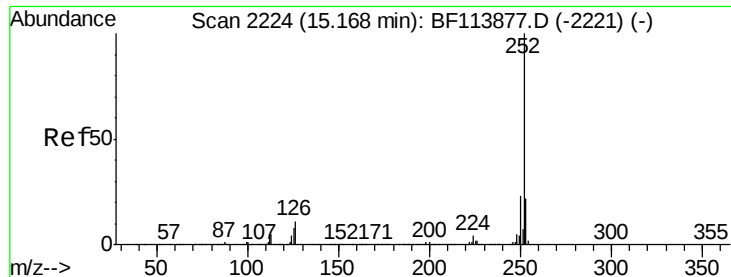
Tot Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.9	28.3
265	20.8	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 2.360 ng
RT: 15.12 min Scan# 2216
Delta R.T. -0.02 min
Lab File: BF114081.D
Acq: 2 May 2019 13:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.4	7.0	10.6





#89

Benzo(k)fluoranthene

Concen: 2.744 ng

RT: 15.12 min Scan# 2216

Delta R.T. -0.05 min

Lab File: BF114081.D

Acq: 2 May 2019 13:02

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-7

Tot Ion:252 Resp: 32527

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

125 11.4 7.4 11.2#

