

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF050219\
 Data File : BF114082.D
 Acq On : 2 May 2019 13:28
 Operator : JU/SJ
 Sample : K2584-03
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-0419-S-DH-8

Quant Time: May 02 14:10:26 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	91223	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	355786	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	190541	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	368758	20.00	ng	0.00
76) Chrysene-d12	14.06	240	292778	20.00	ng	-0.01
87) Perylene-d12	15.56	264	313727	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.52	112	658023	123.37	ng	0.00
7) Phenol-d6	6.52	99	934616	139.67	ng	0.00
23) Nitrobenzene-d5	7.45	82	576333	100.02	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	335995	144.75	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1242980	102.03	ng	-0.01
79) Terphenyl-d14	13.00	244	1672655	117.13	ng	0.00

Target Compounds

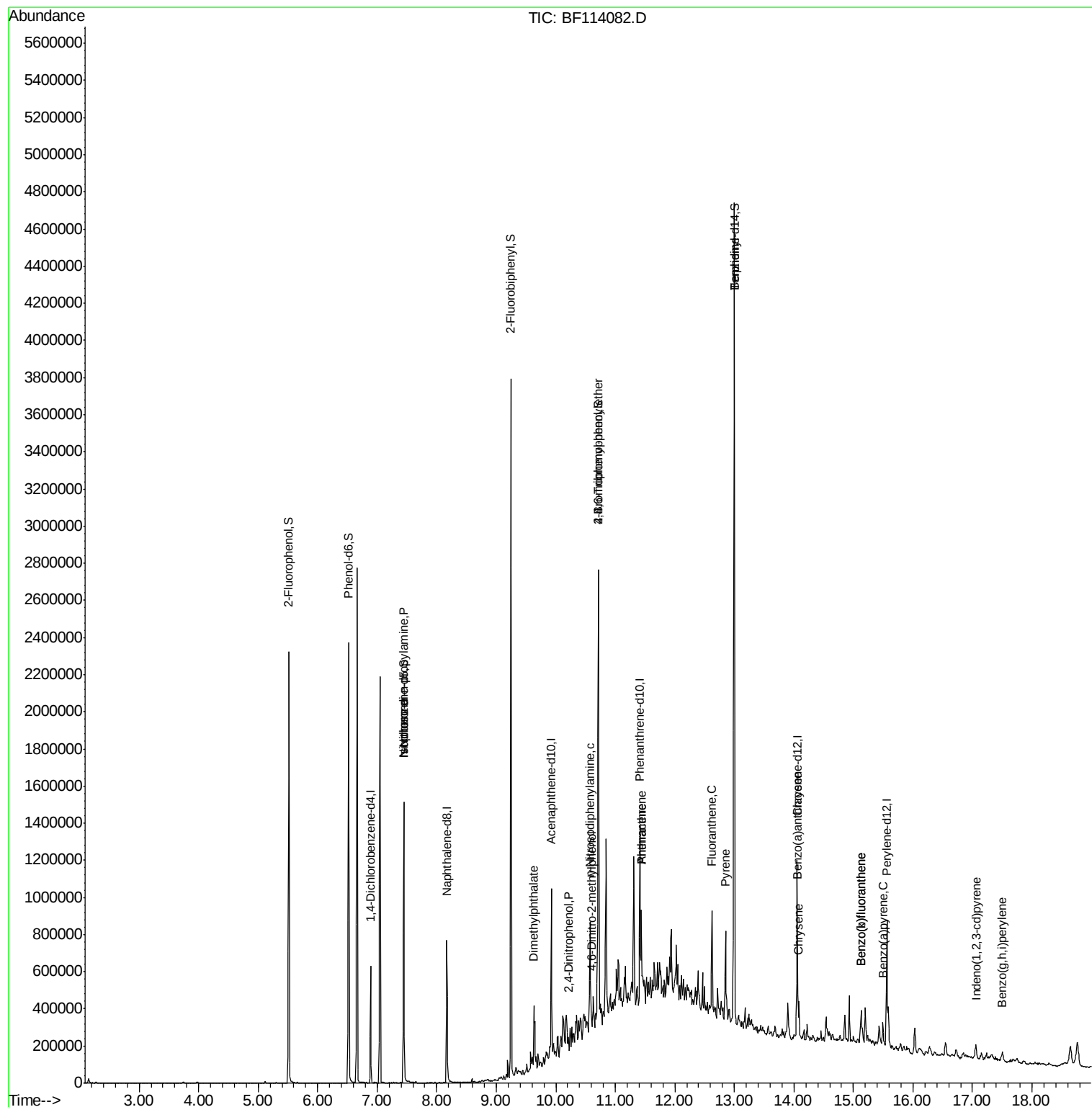
						Qvalue
19) n-Nitroso-di-n-propylamine	7.45	70	76971	17.762	ng	# 78
25) Isophorone	7.45	82	576411	48.888	ng	# 65
50) Dimethylphthalate	9.63	163	100839	7.318	ng	# 99
54) 2,4-Dinitrophenol	10.22	184	751	8.845	ng	# 3
65) 4,6-Dinitro-2-methylphenol	10.60	198	235	7.426	ng	# 1
66) n-Nitrosodiphenylamine	10.59	169	22818	2.062	ng	# 45
67) 4-Bromophenyl-phenylether	10.72	248	20718	4.651	ng	# 1
71) Phenanthrene	11.43	178	170851	9.219	ng	98
72) Anthracene	11.43	178	170851	9.129	ng	98
75) Fluoranthene	12.63	202	245593	12.147	ng	96
77) Benzidine	13.00	184	19649	2.252	ng	97
78) Pyrene	12.85	202	202415	9.886	ng	98
81) Benzo(a)anthracene	14.04	228	96692	5.605	ng	97
83) Chrysene	14.09	228	88708	5.280	ng	97
86) Indeno(1,2,3-cd)pyrene	17.06	276	46842	2.944	ng	95
88) Benzo(b)fluoranthene	15.13	252	133362	6.719	ng	# 97
89) Benzo(k)fluoranthene	15.13	252	133362	7.811	ng	# 97
90) Benzo(a)pyrene	15.50	252	69166	4.029	ng	# 96
92) Benzo(a,h,i)perylene	17.50	276	40928	2.516	ng	96

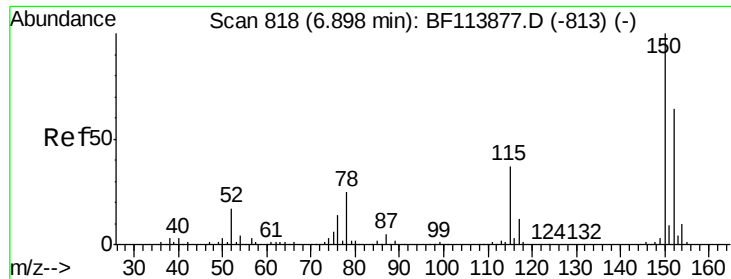
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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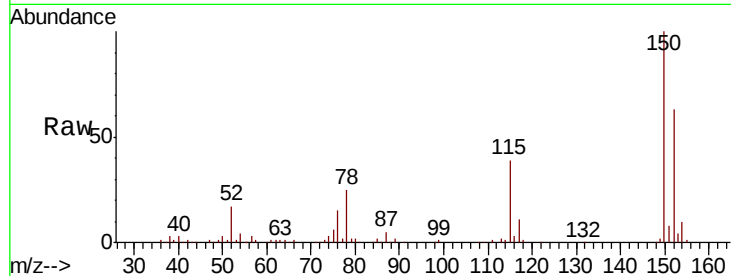


#1

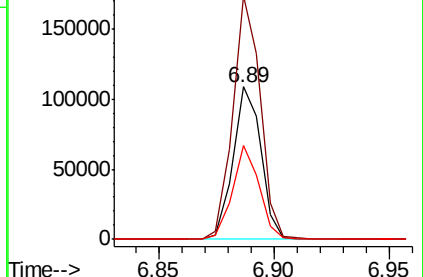
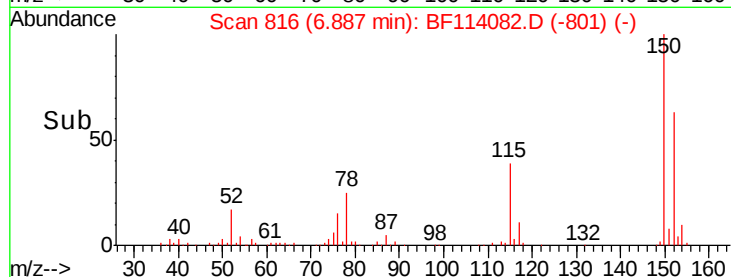
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-8

Tot Ion:152 Resp: 91223
Ion Ratio Lower Upper
152 100
150 159.8 125.9 188.9
115 61.8 45.9 68.9



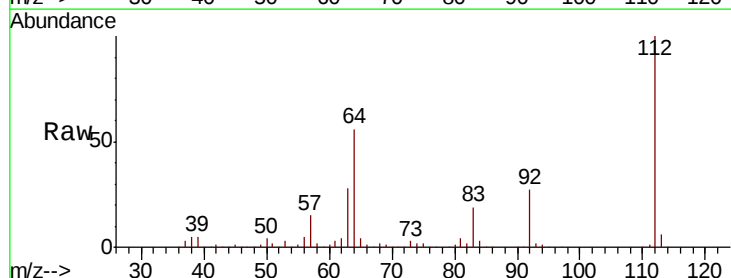
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



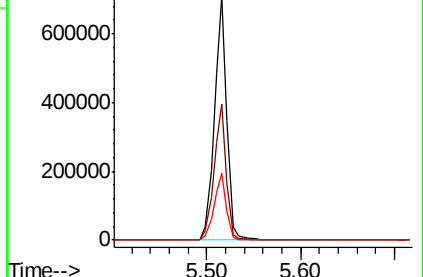
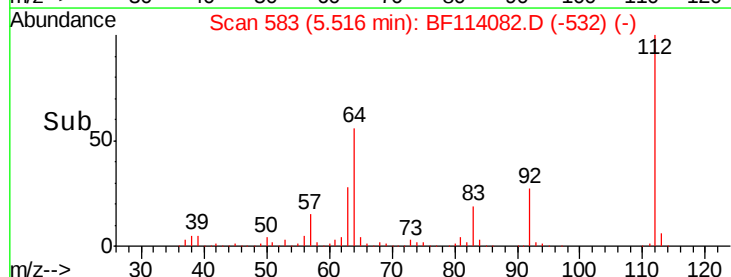
#5

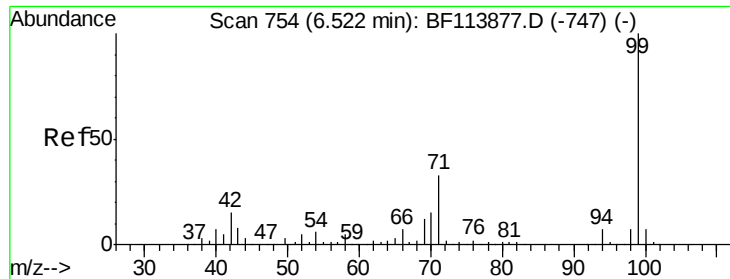
2-Fluorophenol
Concen: 123.374 ng
RT: 5.52 min Scan# 583
Delta R.T. 0.00 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

Tgt Ion:112 Resp: 658023
Ion Ratio Lower Upper
112 100
64 55.9 46.6 69.8
63 27.6 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: 139.670 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-8

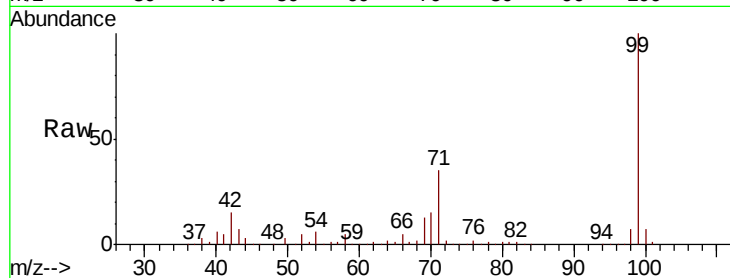
Tot Ion: 99 Resp: 934616

Ion Ratio Lower Upper

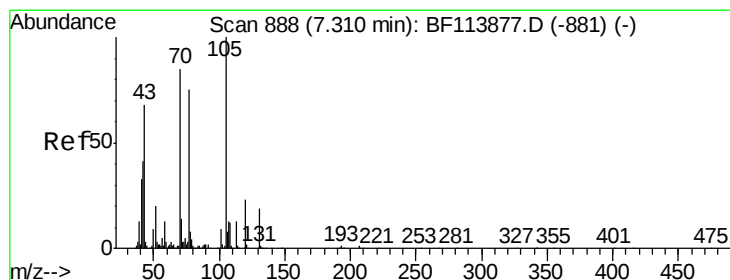
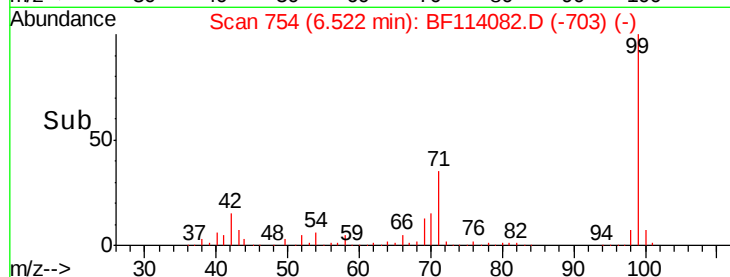
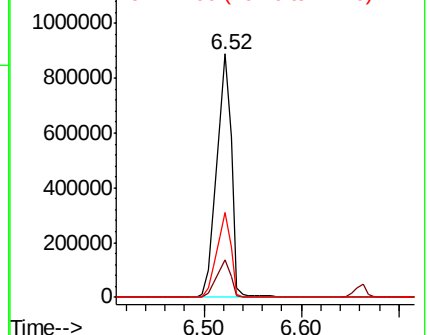
99 100

42 15.5 12.5 18.7

71 34.9 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



#19

n-Nitroso-di-n-propylamine

Concen: 17.762 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

Tgt Ion: 70 Resp: 76971

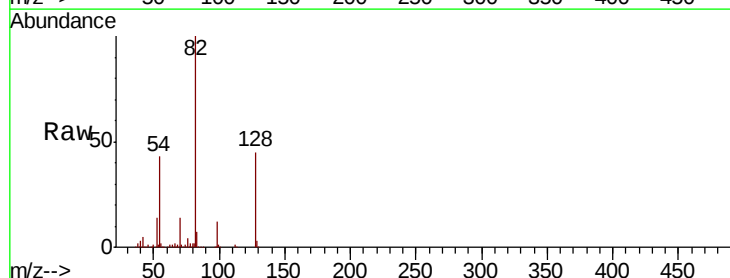
Ion Ratio Lower Upper

70 100

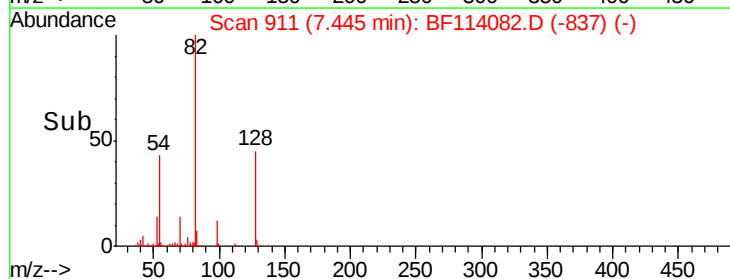
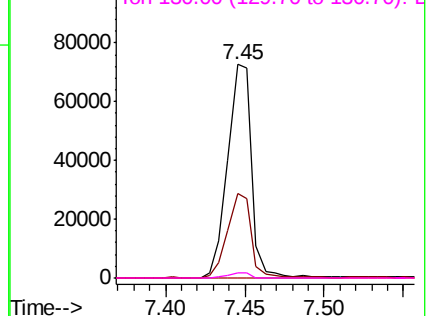
42 39.5 37.3 55.9

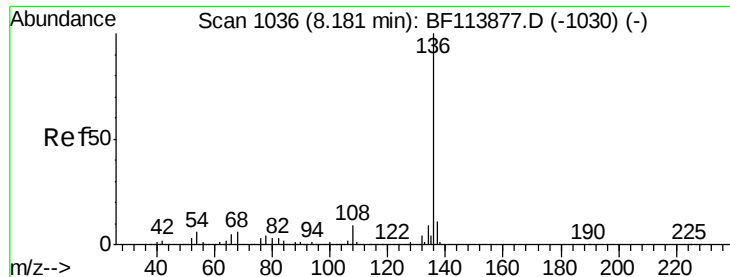
101 0.0 7.8 11.8#

130 2.1 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: BF114082.D

Acq: 2 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-8

Tot Ion:136 Resp: 355786

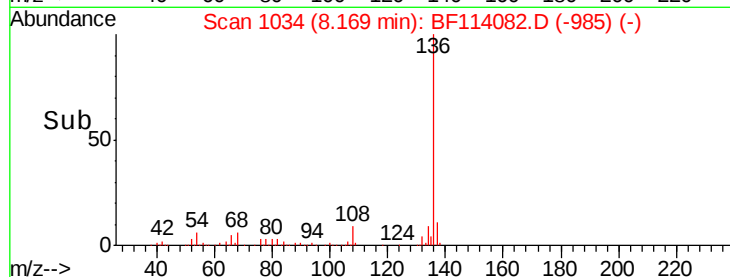
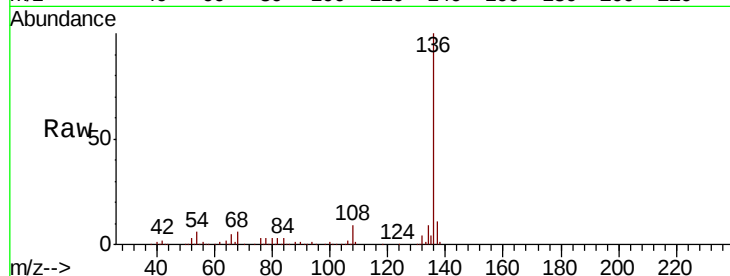
Ion Ratio Lower Upper

136 100

137 11.0 8.6 12.8

54 6.3 5.0 7.6

68 6.1 4.9 7.3

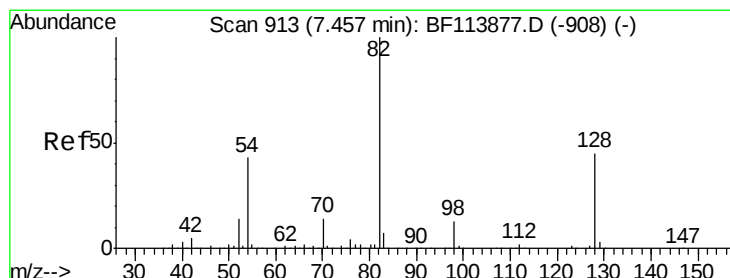
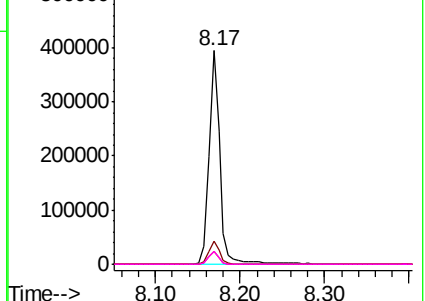


Abundance Ion 136.00 (135.70 to 136.70): E

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: 100.018 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

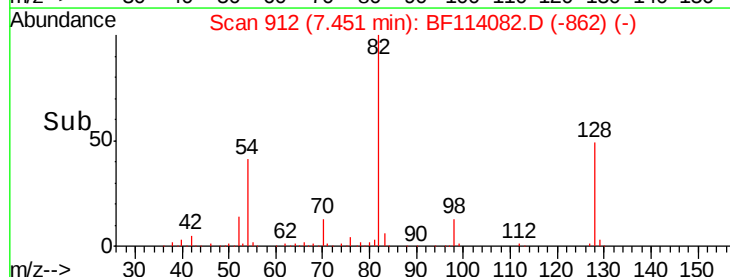
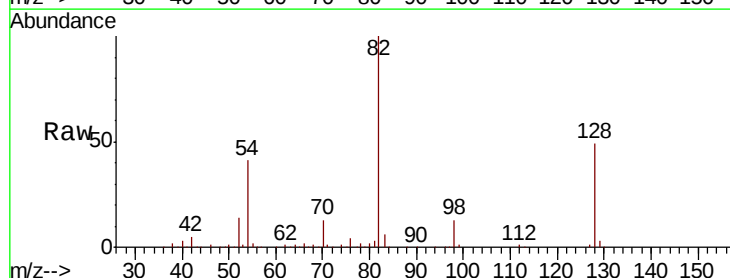
Tgt Ion: 82 Resp: 576333

Ion Ratio Lower Upper

82 100

128 48.9 36.8 55.2

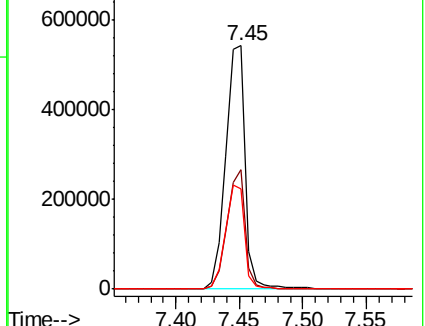
54 41.0 33.8 50.6



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: 48.888 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-8

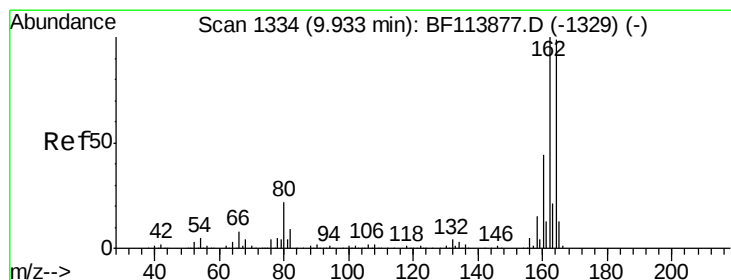
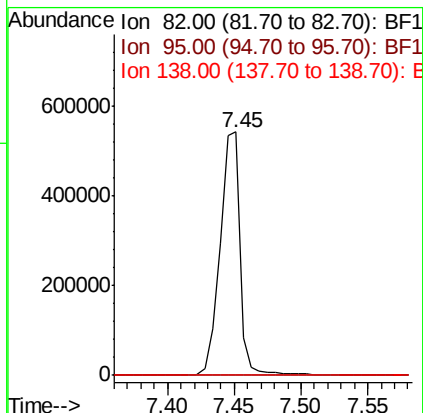
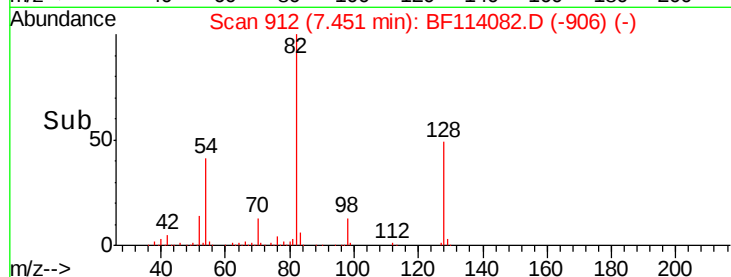
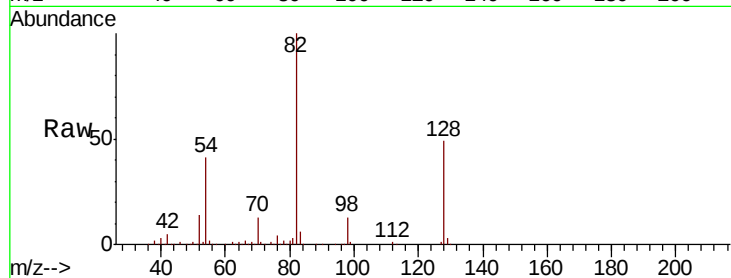
Tot Ion: 82 Resp: 576411

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: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

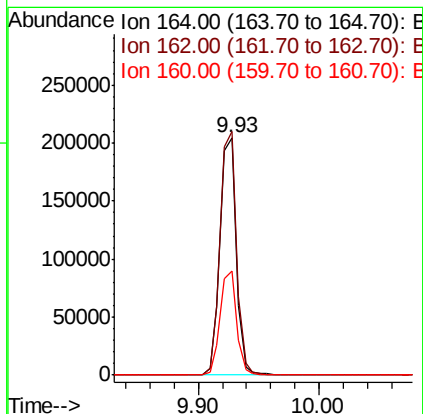
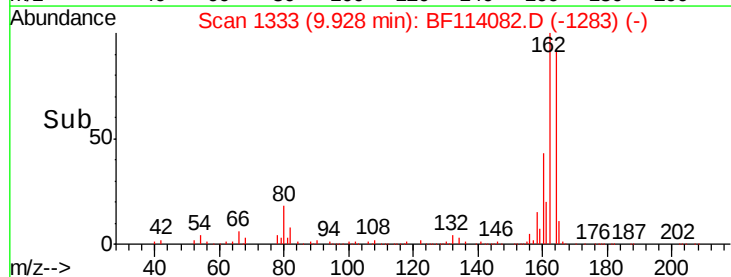
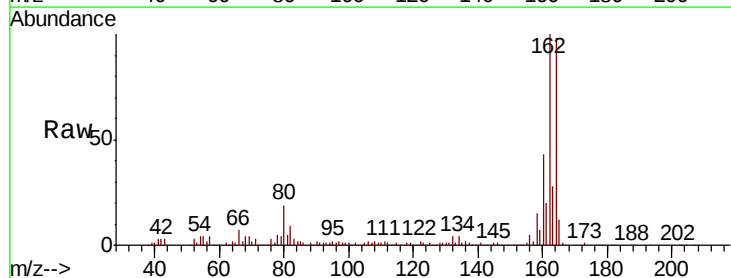
Tgt Ion:164 Resp: 190541

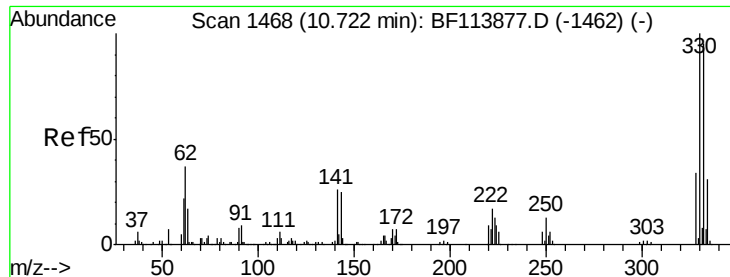
Ion Ratio Lower Upper

164 100

162 102.5 81.1 121.7

160 43.8 35.8 53.6

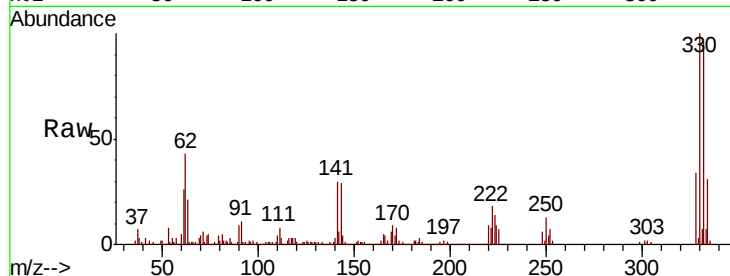




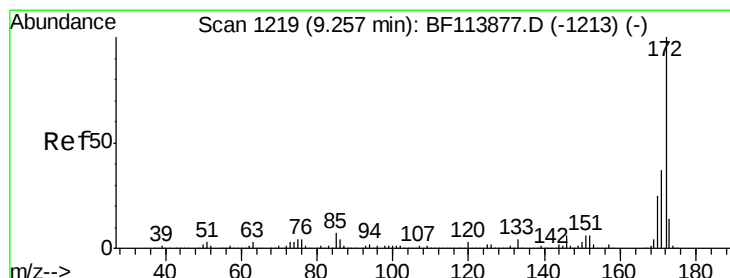
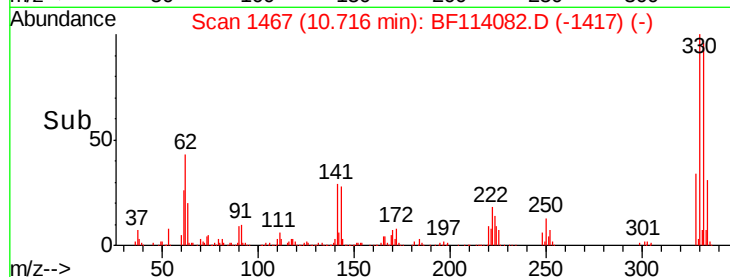
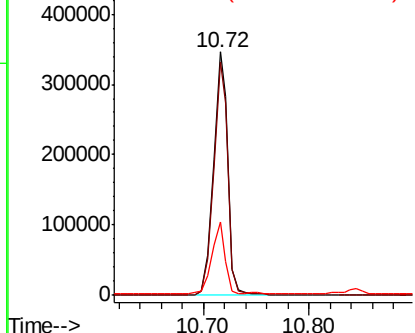
#42
 2,4,6-Tribromophenol
 Concen: 144.752 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF114082.D
 Acq: 2 May 2019 13:28

Instrument :
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 ClientSampleId :
 SSSI-0419-S-DH-8

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.5	116.3
141	26.7	22.2	33.2

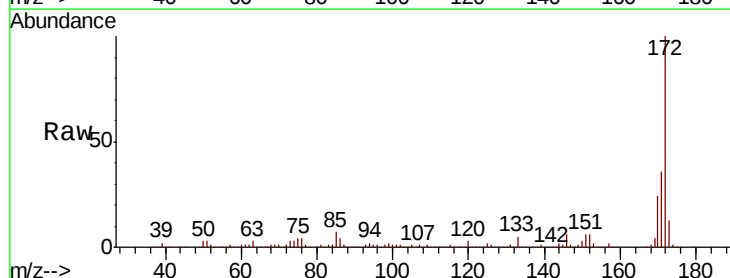


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

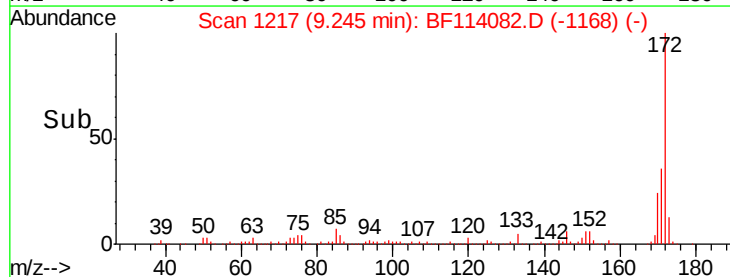
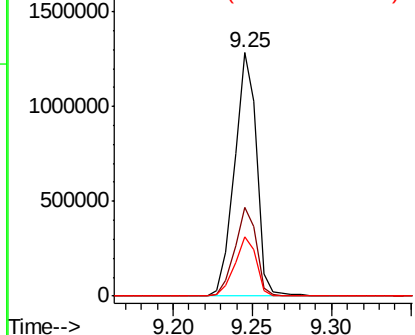


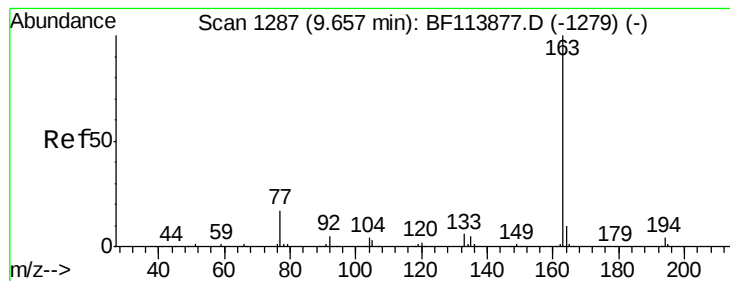
#45
 2-Fluorobiphenyl
 Concen: 102.028 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF114082.D
 Acq: 2 May 2019 13:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.4	44.0
170	24.4	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: 7.318 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

Instrument :

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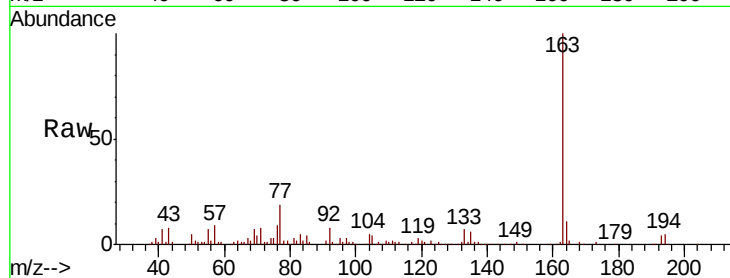
Tot Ion:163 Resp: 100839

Ion Ratio Lower Upper

163 100

194 5.2 3.4 5.2#

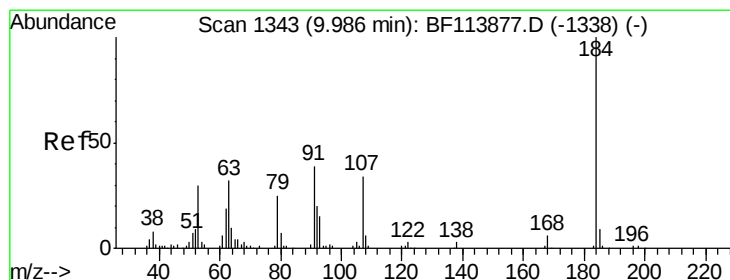
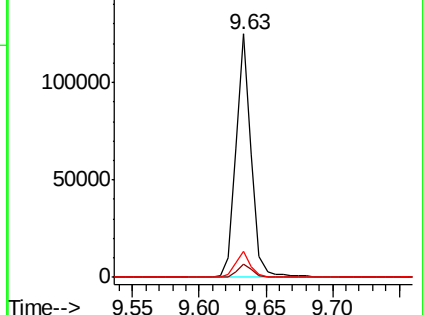
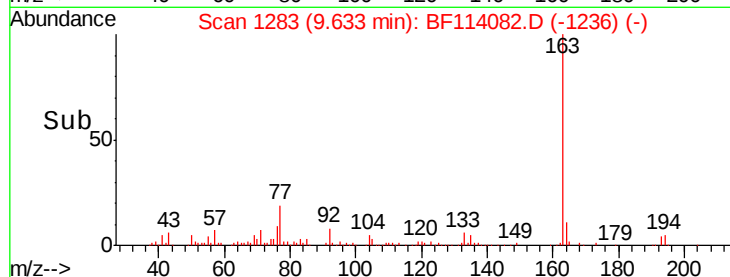
164 10.5 8.5 12.7



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



#54

2,4-Dinitrophenol

Concen: 8.845 ng

RT: 10.22 min Scan# 1382

Delta R.T. 0.23 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

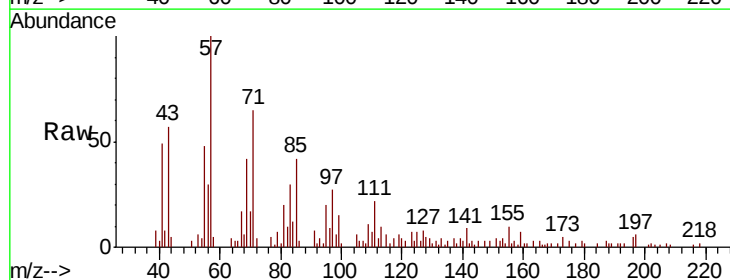
Tgt Ion:184 Resp: 751

Ion Ratio Lower Upper

184 100

63 0.0 54.6 81.8#

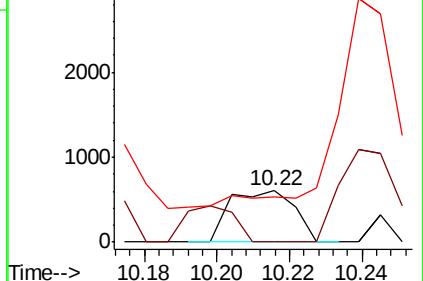
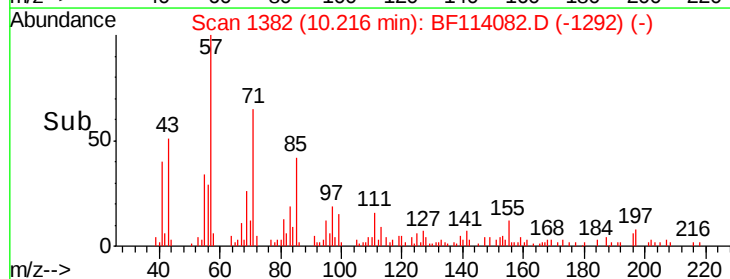
154 88.4 218.6 328.0#

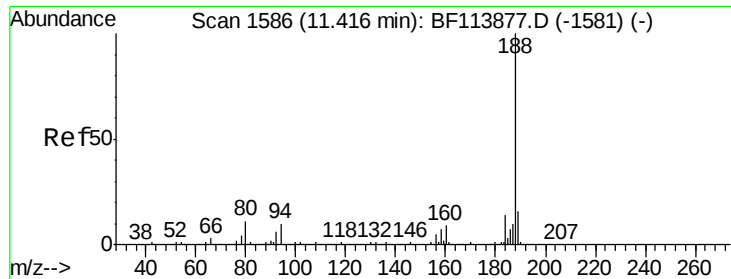


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E

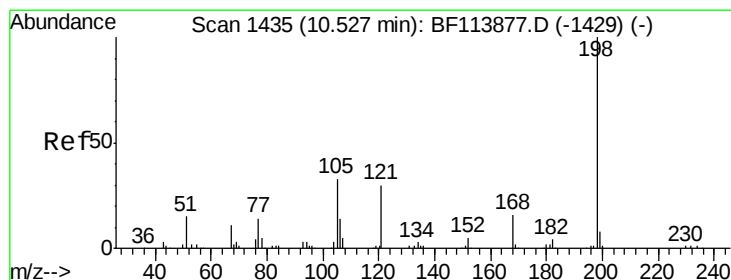
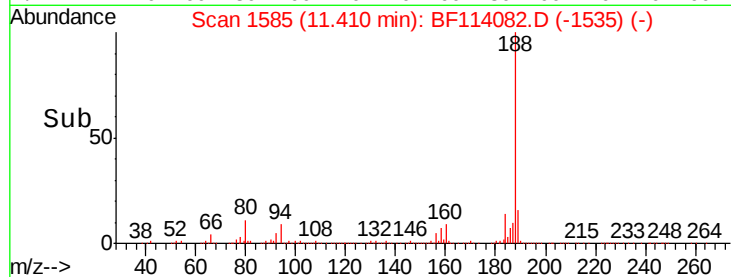
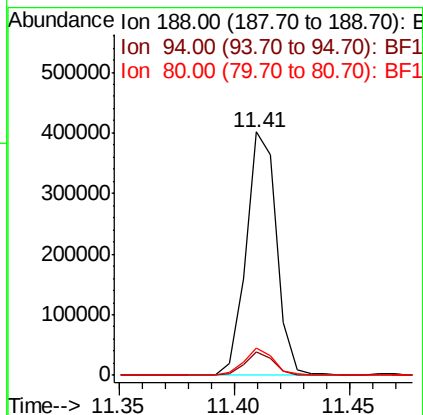
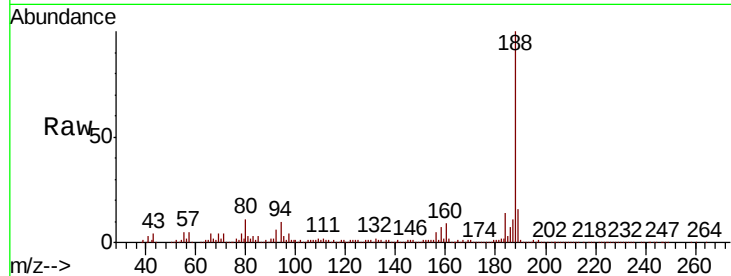




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

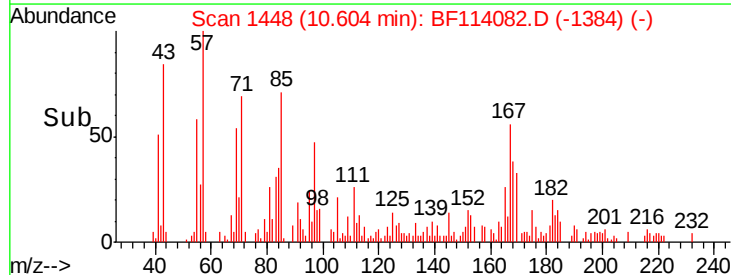
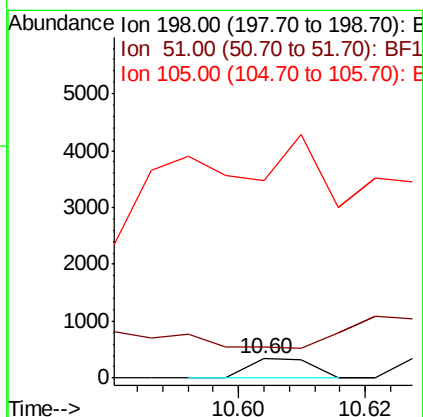
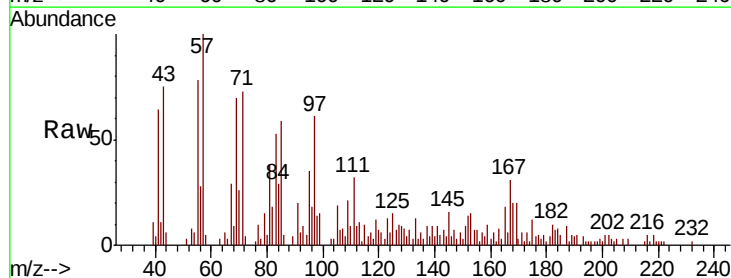
Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-8

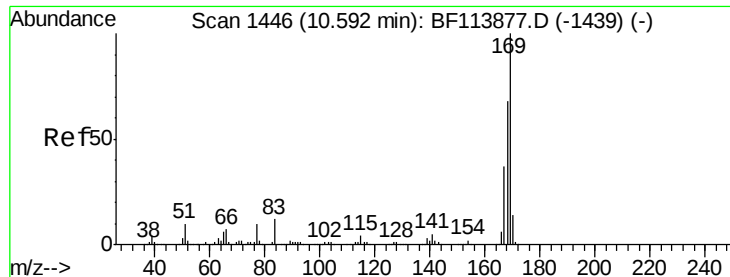
Tot Ion:188 Resp: 368758
Ion Ratio Lower Upper
188 100
94 9.7 8.2 12.4
80 11.1 9.0 13.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.426 ng
RT: 10.60 min Scan# 1448
Delta R.T. 0.08 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

Tgt Ion:198 Resp: 235
Ion Ratio Lower Upper
198 100
51 160.8 11.1 51.1#
105 1009.0 20.7 60.7#

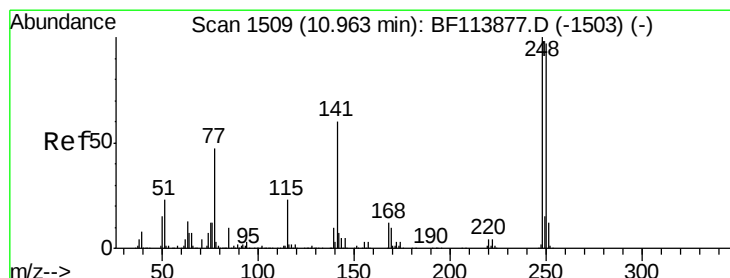
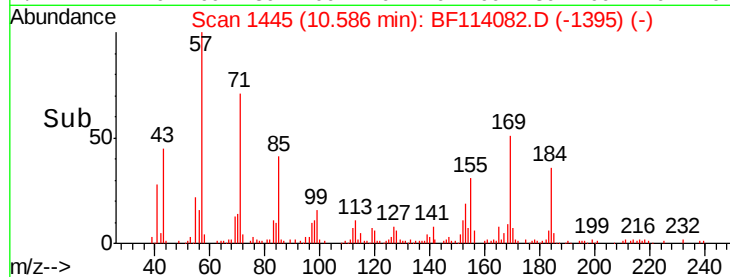
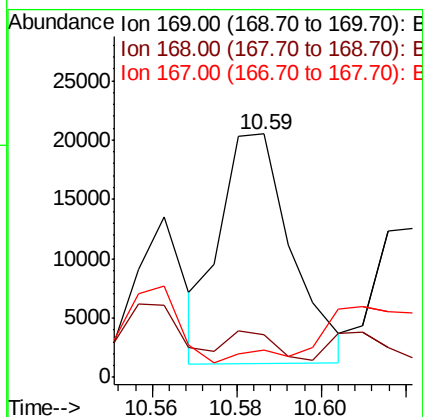
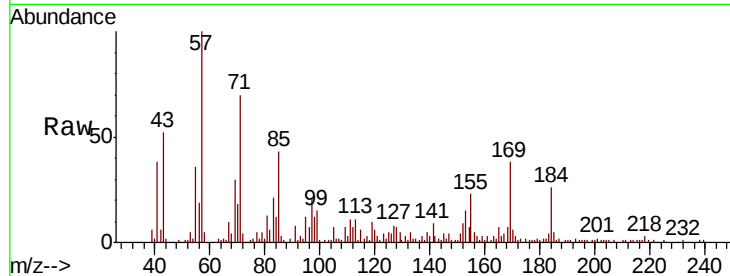




#66
 n-Nitrosodiphenylamine
 Concen: 2.062 ng
 RT: 10.59 min Scan# 1445
 Delta R.T. -0.01 min
 Lab File: BF114082.D
 Acq: 2 May 2019 13:28

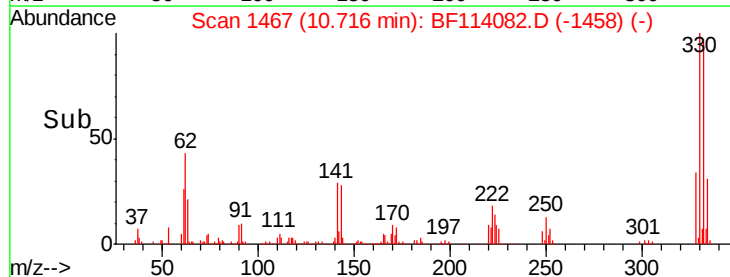
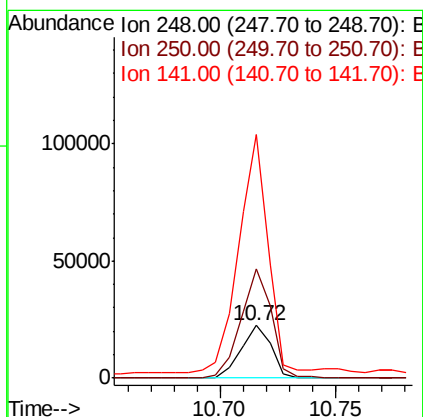
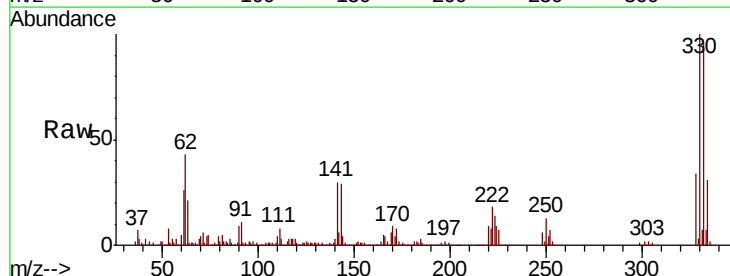
Instrument :
 BNA_F
 ClientSampleId :
 SSSI-0419-S-DH-8

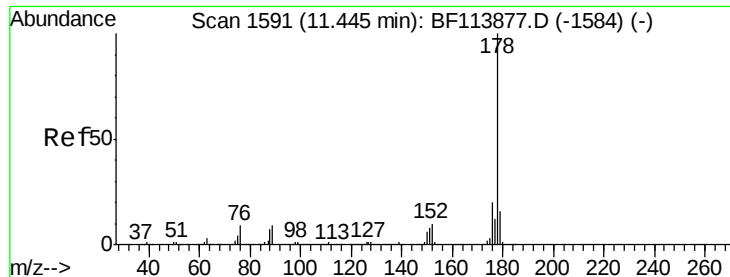
Tot Ion:169 Resp: 22818
 Ion Ratio Lower Upper
 169 100
 168 17.6 54.3 81.5#
 167 11.3 29.4 44.0#



#67
 4-Bromophenyl-phenylether
 Concen: 4.651 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF114082.D
 Acq: 2 May 2019 13:28

Tgt Ion:248 Resp: 20718
 Ion Ratio Lower Upper
 248 100
 250 208.1 75.8 113.6#
 141 463.2 50.2 75.4#

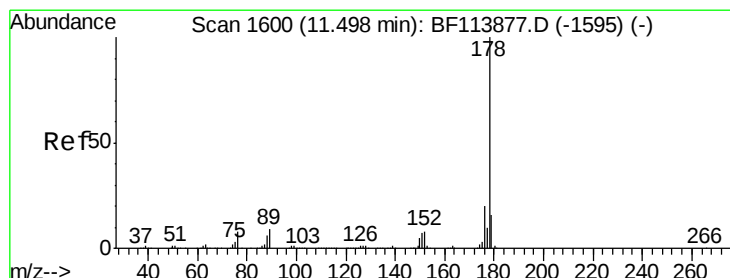
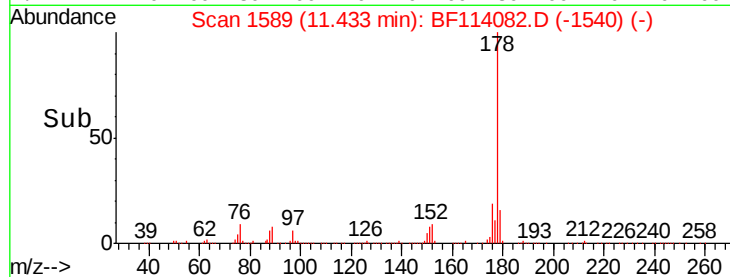
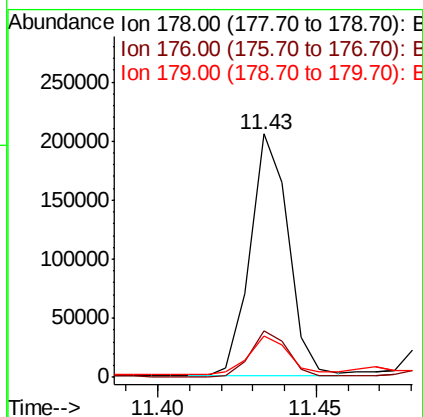
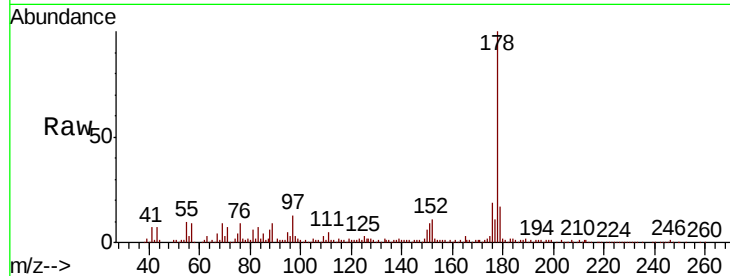




#71
 Phenanthrene
 Concen: 9.219 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF114082.D
 Acq: 2 May 2019 13:28

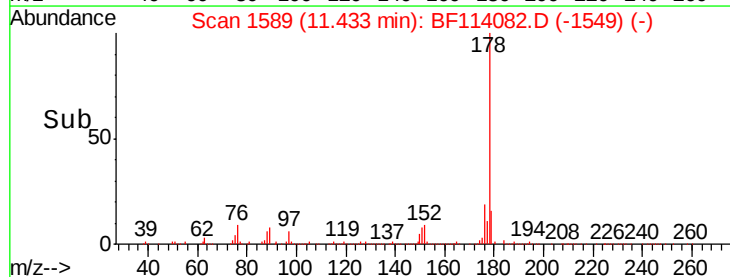
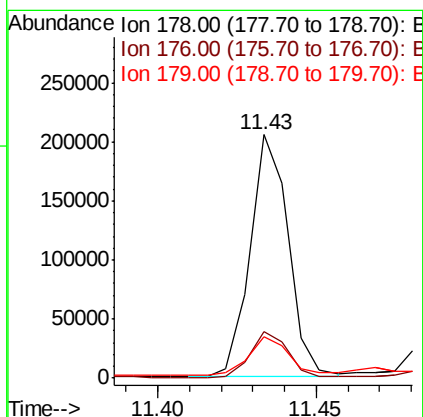
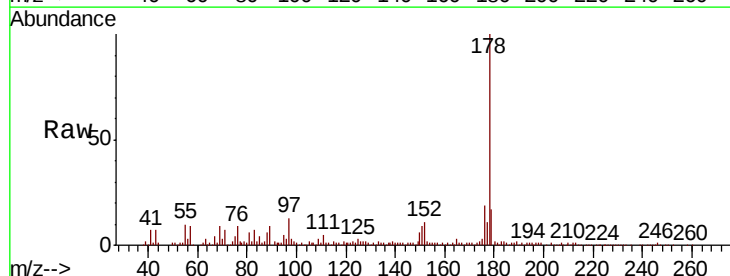
Instrument :
 BNA_F
 ClientSampleId :
 SSSI-0419-S-DH-8

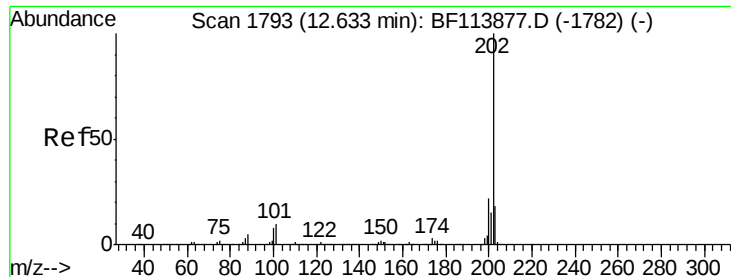
Tot Ion:178 Resp: 170851
 Ion Ratio Lower Upper
 178 100
 176 19.0 16.1 24.1
 179 17.0 12.8 19.2



#72
 Anthracene
 Concen: 9.129 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.06 min
 Lab File: BF114082.D
 Acq: 2 May 2019 13:28

Tgt Ion:178 Resp: 170851
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.7 23.5
 179 17.0 13.0 19.4





#75

Fluoranthene

Concen: 12.147 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.01 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-8

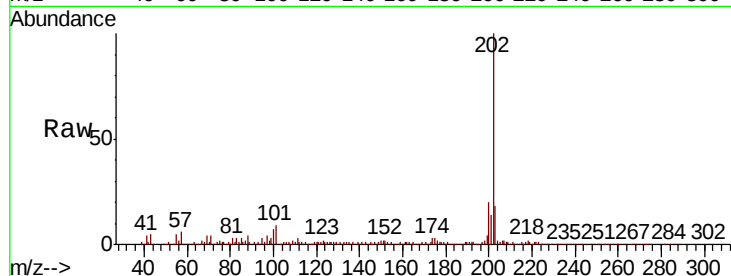
Tot Ion:202 Resp: 245593

Ion Ratio Lower Upper

202 100

101 9.5 0.0 32.9

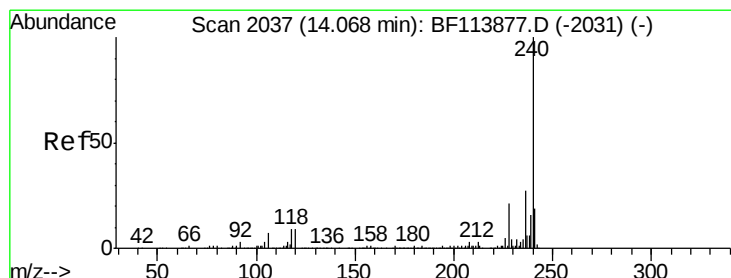
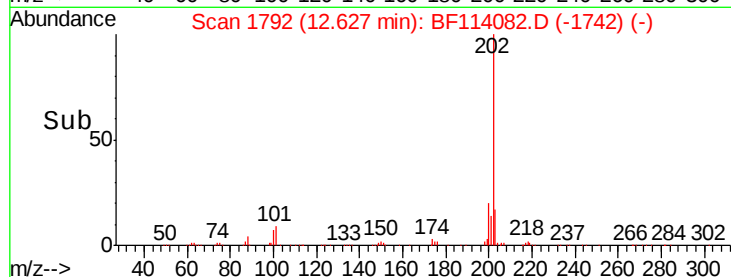
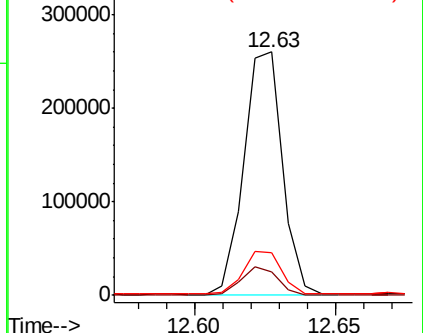
203 17.7 0.0 38.2



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: BF114082.D

Acq: 2 May 2019 13:28

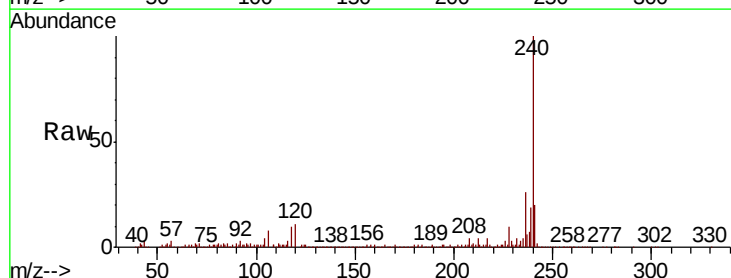
Tgt Ion:240 Resp: 292778

Ion Ratio Lower Upper

240 100

120 10.9 9.3 13.9

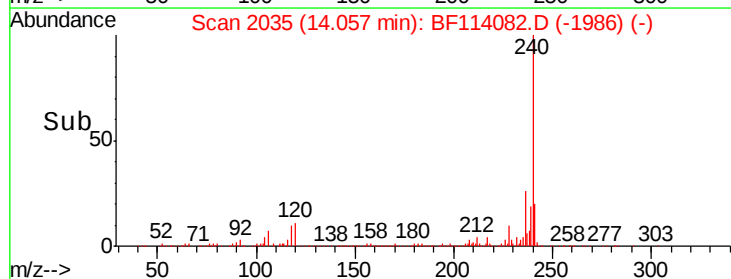
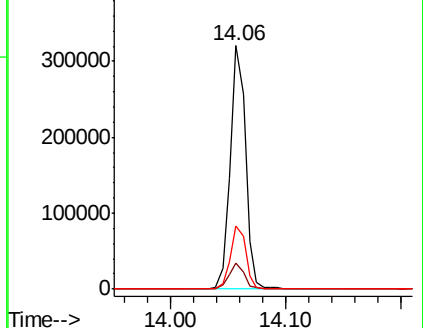
236 25.8 21.2 31.8

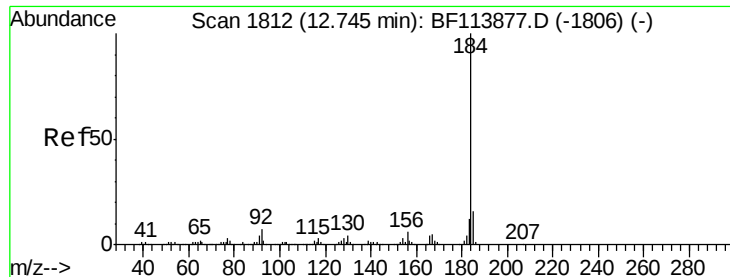


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 2.252 ng

RT: 13.00 min Scan# 1855

Delta R.T. 0.25 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-8

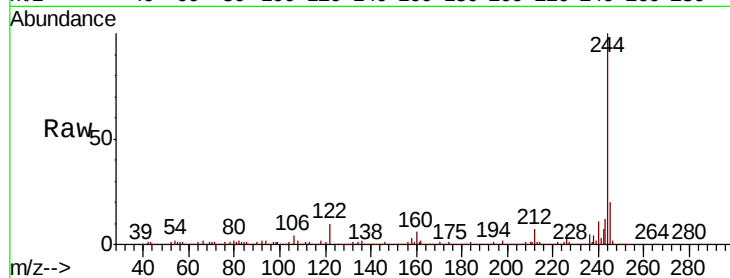
Tot Ion:184 Resp: 19649

Ion Ratio Lower Upper

184 100

185 18.3 13.0 19.6

183 12.2 9.4 14.0

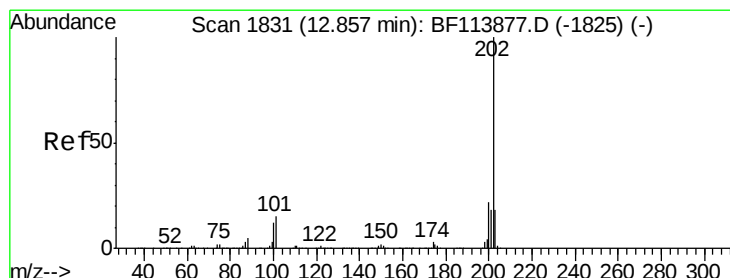
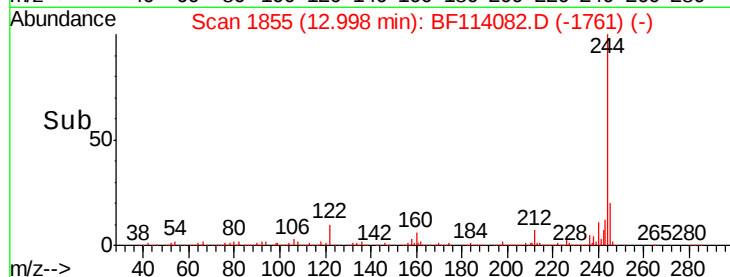
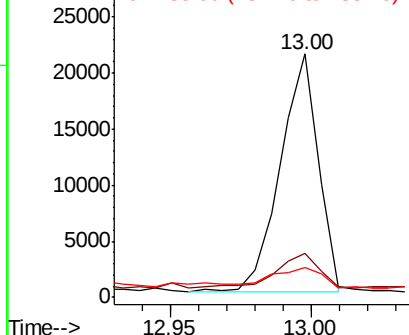


Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 9.886 ng

RT: 12.85 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

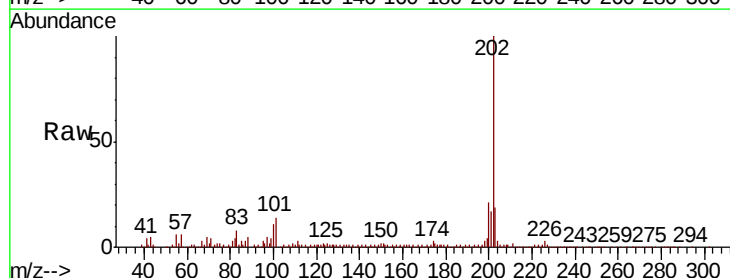
Tgt Ion:202 Resp: 202415

Ion Ratio Lower Upper

202 100

200 20.5 17.7 26.5

203 18.7 15.0 22.6

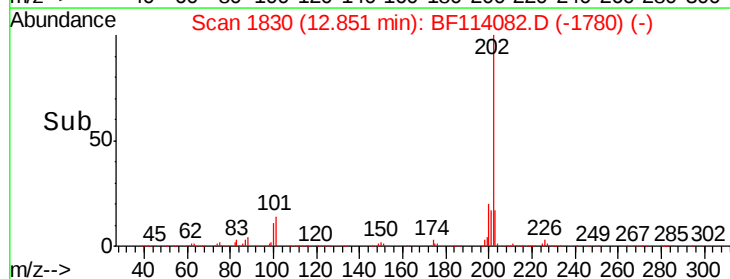
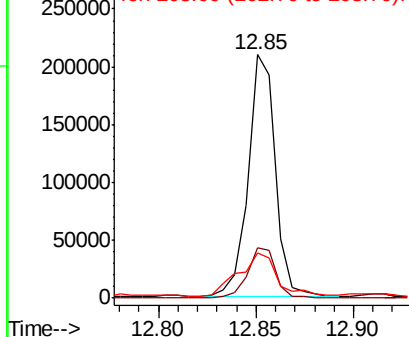


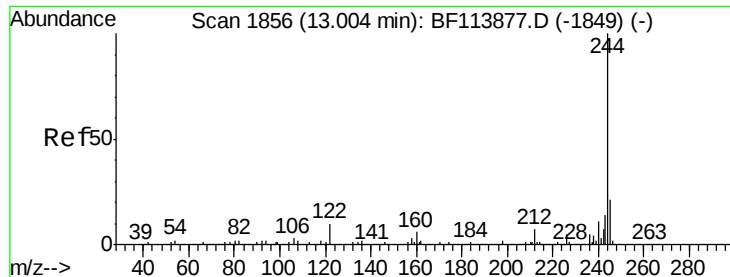
Abundance

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: 117.125 ng

RT: 13.00 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

Instrument :

BNA_F

ClientSampleId :

SSSI-0419-S-DH-8

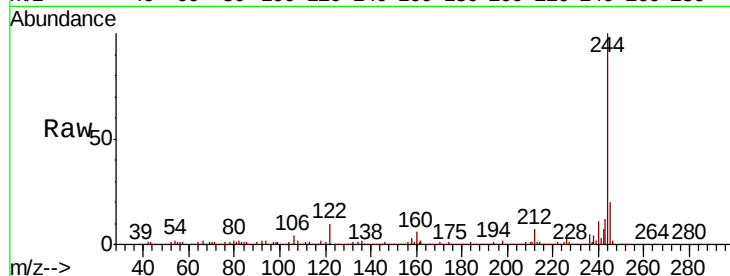
Tot Ion:244 Resp: 1672655

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

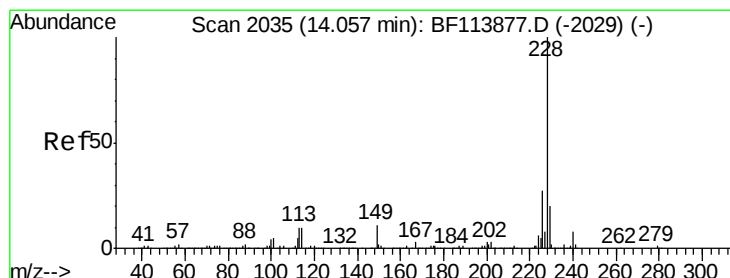
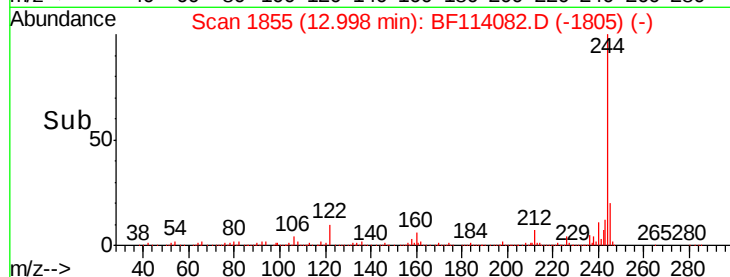
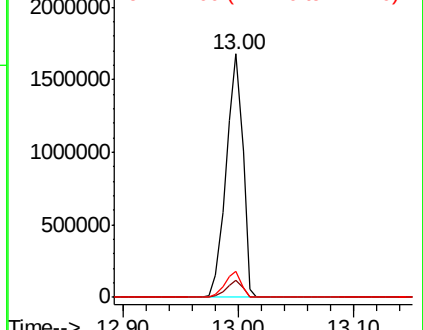
122 10.5 7.6 11.4



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



#81

Benzo(a)anthracene

Concen: 5.605 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.01 min

Lab File: BF114082.D

Acq: 2 May 2019 13:28

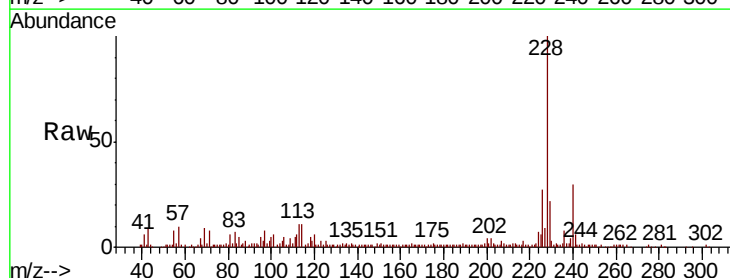
Tgt Ion:228 Resp: 96692

Ion Ratio Lower Upper

228 100

226 26.5 22.2 33.2

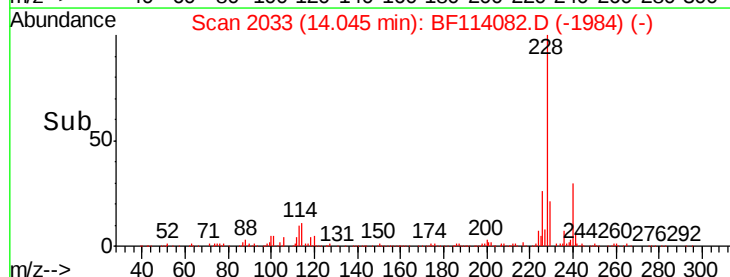
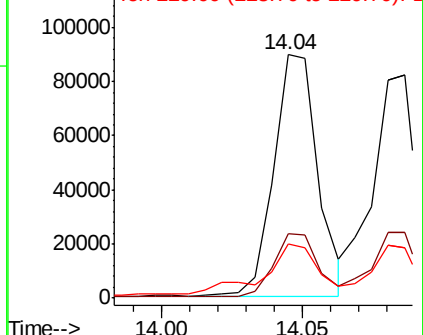
229 22.0 16.0 24.0

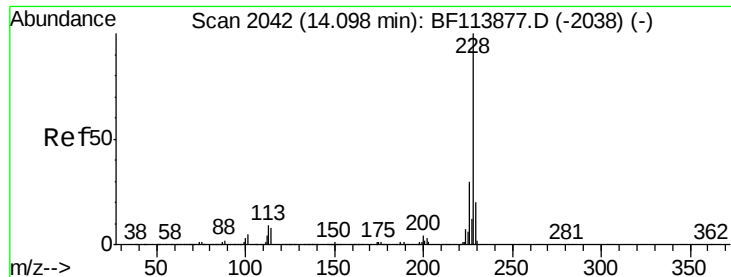


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

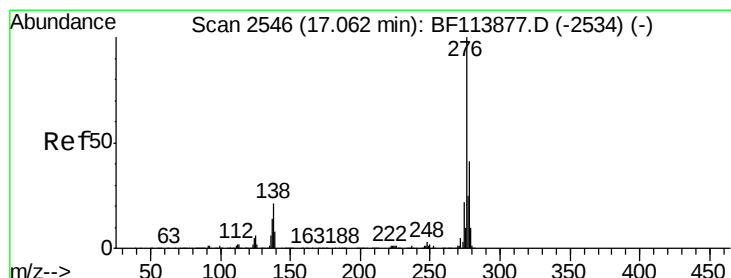
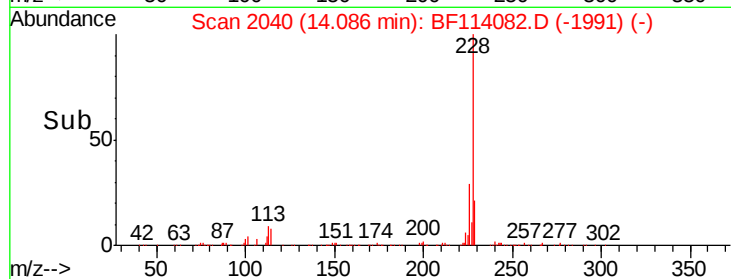
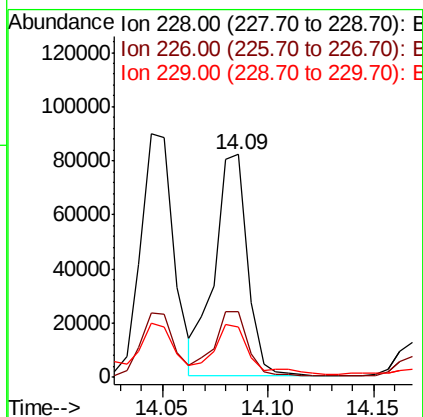
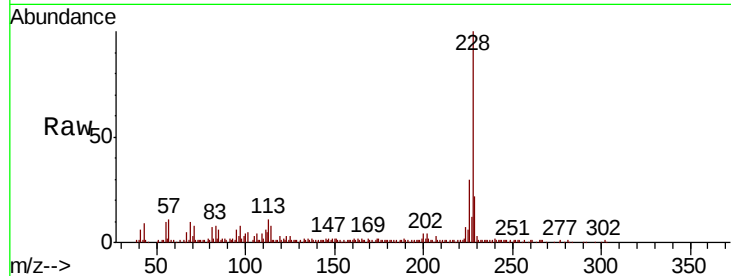




#83
Chrysene
Concen: 5.280 ng
RT: 14.09 min Scan# 2040
Delta R.T. -0.01 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

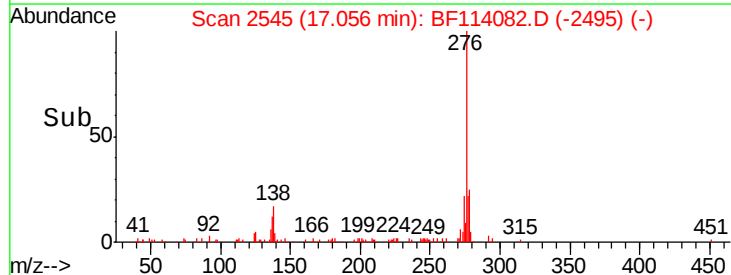
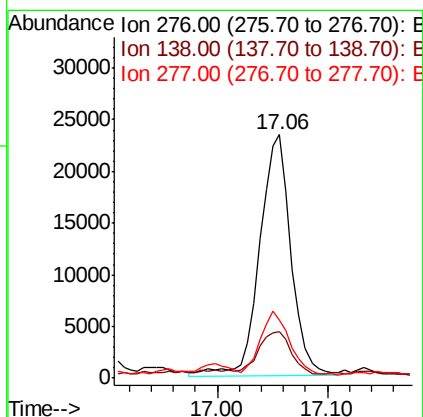
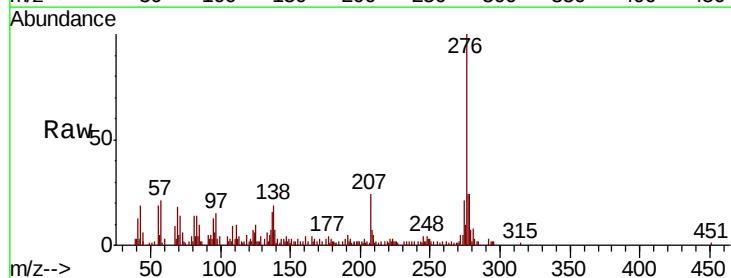
Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-8

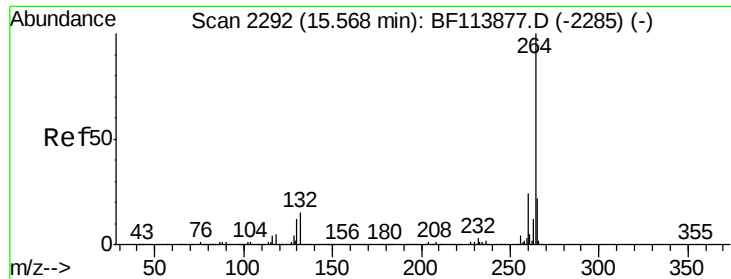
Tot Ion:228 Resp: 88708
Ion Ratio Lower Upper
228 100
226 29.7 25.2 37.8
229 22.4 16.7 25.1



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.944 ng
RT: 17.06 min Scan# 2545
Delta R.T. -0.01 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

Tgt Ion:276 Resp: 46842
Ion Ratio Lower Upper
276 100
138 19.7 19.6 29.4
277 24.7 20.2 30.4

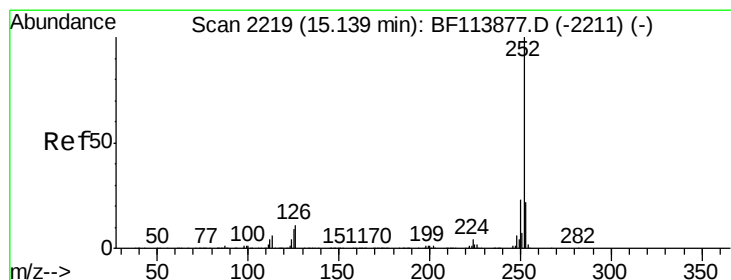
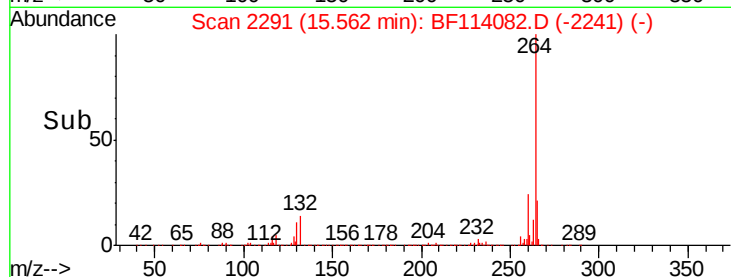
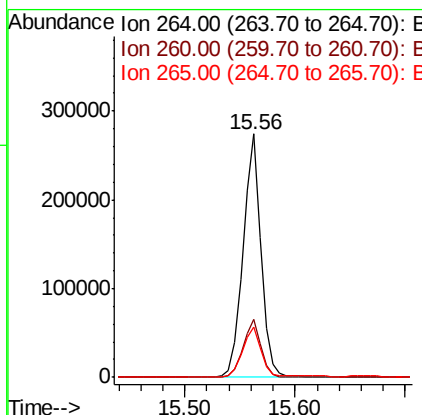
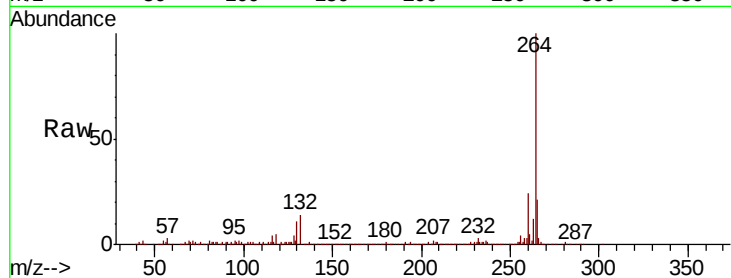




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.56 min Scan# 2291
Delta R.T. -0.01 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

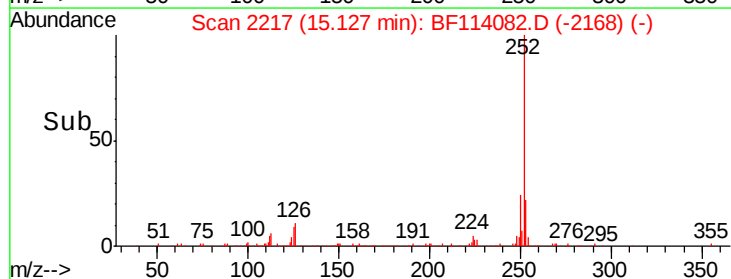
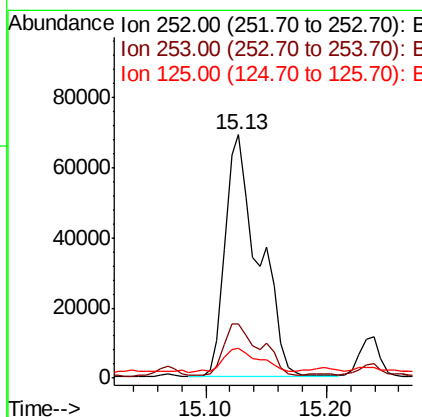
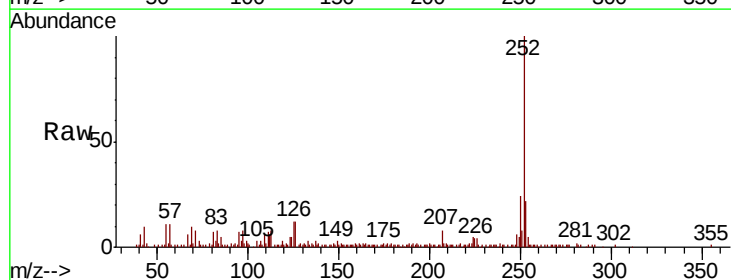
Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-8

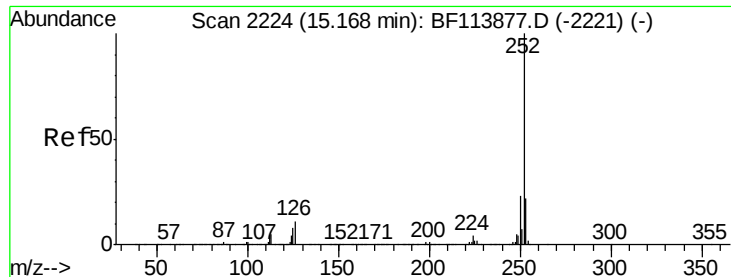
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.9	28.3
265	20.9	17.3	25.9



#88
Benzo(b)fluoranthene
Concen: 6.719 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	12.1	7.0	10.6

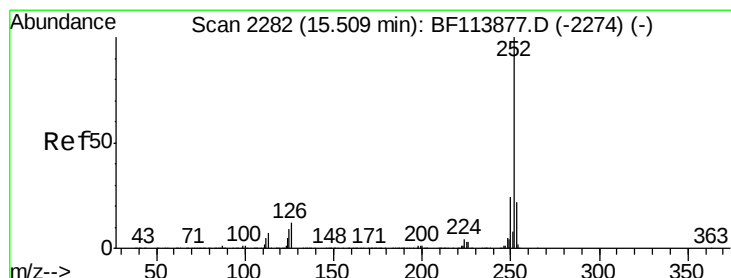
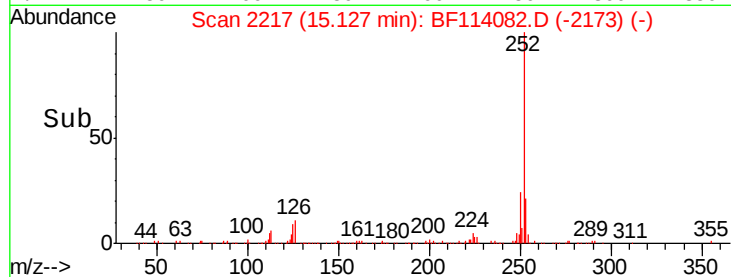
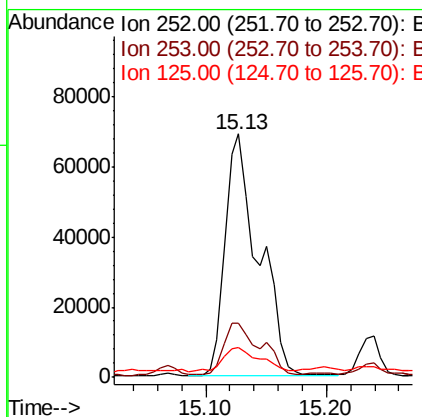
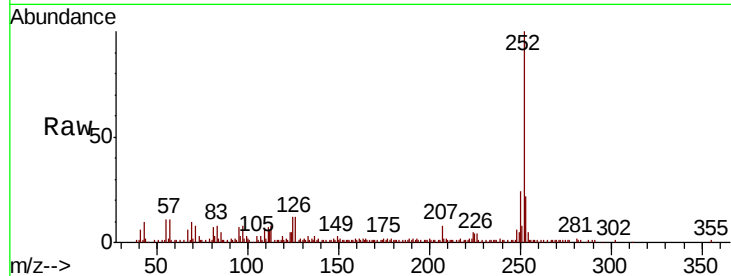




#89
Benzo(k)fluoranthene
Concen: 7.811 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.04 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

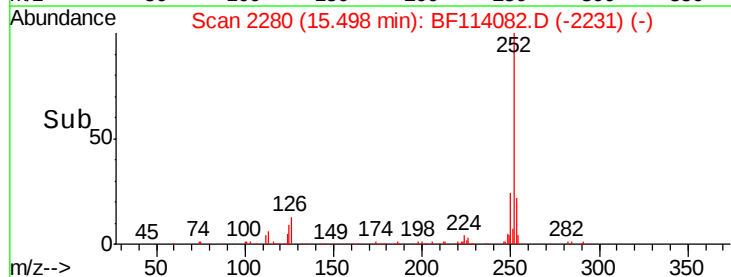
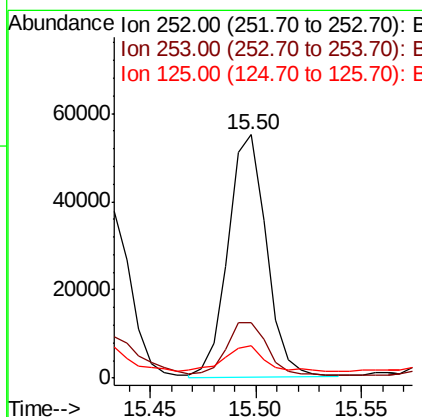
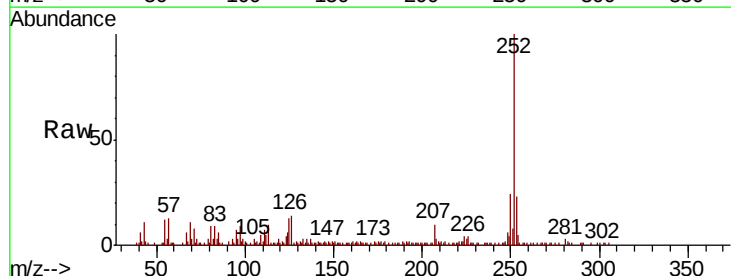
Instrument :
BNA_F
ClientSampleId :
SSSI-0419-S-DH-8

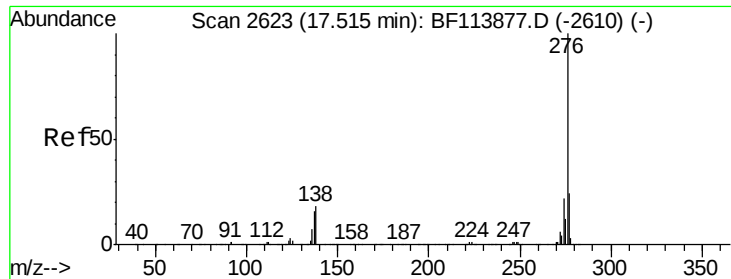
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	12.1	7.4	11.2#



#90
Benzo(a)pyrene
Concen: 4.029 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF114082.D
Acq: 2 May 2019 13:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	13.5	8.5	12.7#





#92
 Benzo(a,h,i)perylene
 Concen: 2.516 ng
 RT: 17.50 min Scan# 2621
 Delta R.T. -0.01 min
 Lab File: BF114082.D
 Acq: 2 May 2019 13:28

Instrument :
 BNA_F
 ClientSampleId :
 SSSI-0419-S-DH-8

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.7	19.0	28.4
138	19.1	16.6	25.0

