

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052119\
 Data File : BF114455.D
 Acq On : 21 May 2019 14:58
 Operator : JU/SJ
 Sample : K2648-01 2X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: May 21 15:23:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 20 04:47:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	226330	20.00	ng	-0.01
21) Naphthalene-d8	8.11	136	907327	20.00	ng	-0.01
39) Acenaphthene-d10	9.86	164	432215	20.00	ng	-0.01
64) Phenanthrene-d10	11.35	188	828449	20.00	ng	0.00
76) Chrysene-d12	13.99	240	494109	20.00	ng	-0.01
87) Perylene-d12	15.46	264	535211	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	639777	45.49	ng	-0.02
7) Phenol-d6	6.47	99	855097	51.41	ng	-0.02
23) Nitrobenzene-d5	7.39	82	510824	31.60	ng	-0.02
42) 2,4,6-Tribromophenol	10.66	330	204093	45.67	ng	0.00
45) 2-Fluorobiphenyl	9.18	172	941478	32.95	ng	-0.01
79) Terphenyl-d14	12.93	244	807550	33.69	ng	0.00

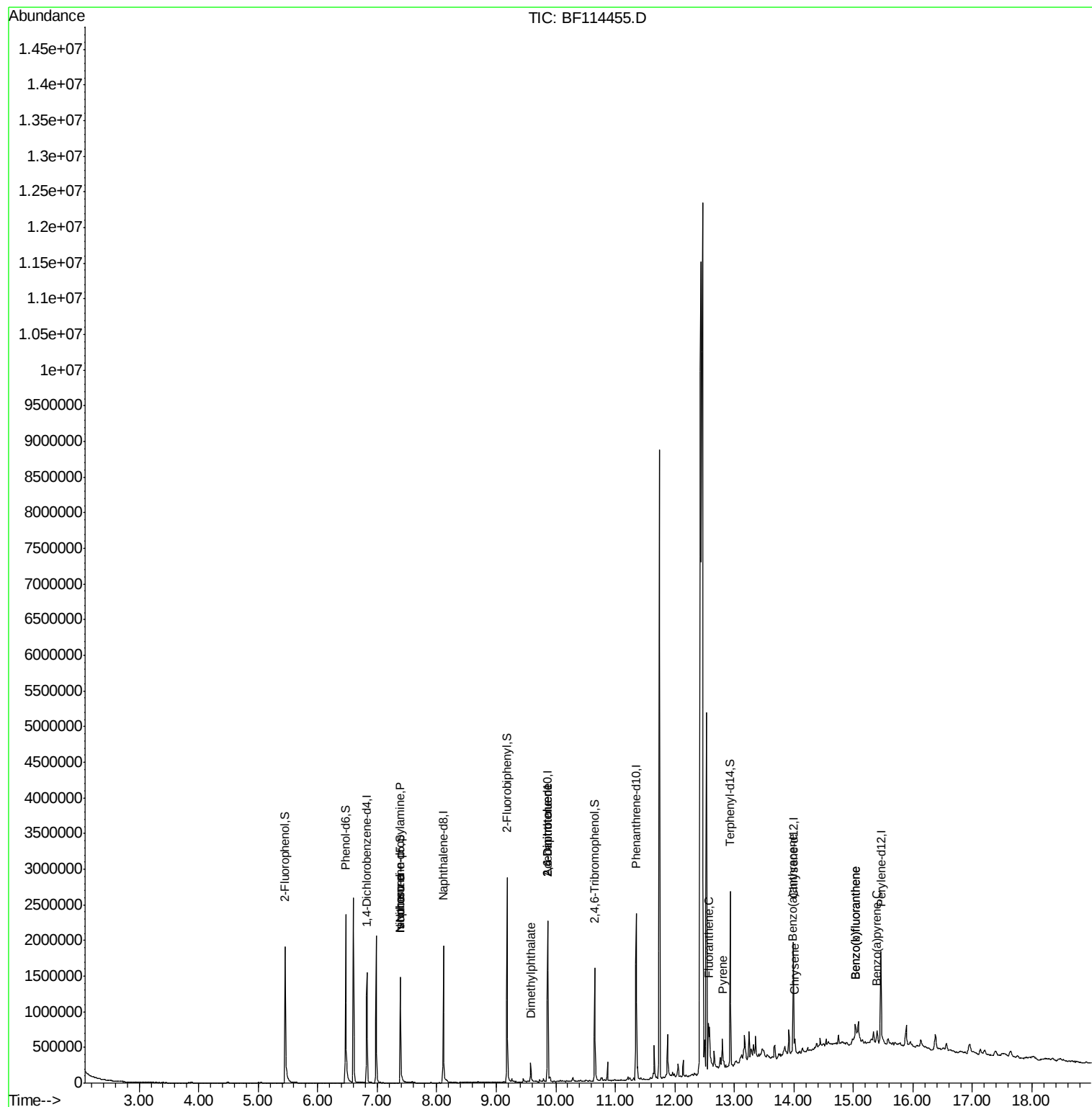
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	64386	6.107	ng	# 76
25) Isophorone	7.39	82	510821	17.036	ng	# 64
50) Dimethylphthalate	9.58	163	119055	3.752	ng	99
51) 2,6-Dinitrotoluene	9.86	165	55964	7.952	ng	# 22
57) 2,4-Dinitrotoluene	9.86	165	55964	5.859	ng	# 25
75) Fluoranthene	12.57	202	147011	3.387	ng	99
78) Pyrene	12.80	202	153630	3.865	ng	98
81) Benzo(a)anthracene	13.98	228	75321	2.357	ng	97
83) Chrysene	14.02	228	79514	2.538	ng	97
88) Benzo(b)fluoranthene	15.03	252	157871	4.604	ng	# 93
89) Benzo(k)fluoranthene	15.03	252	157871	5.012	ng	# 93
90) Benzo(a)pyrene	15.40	252	85064	2.819	ng	# 94

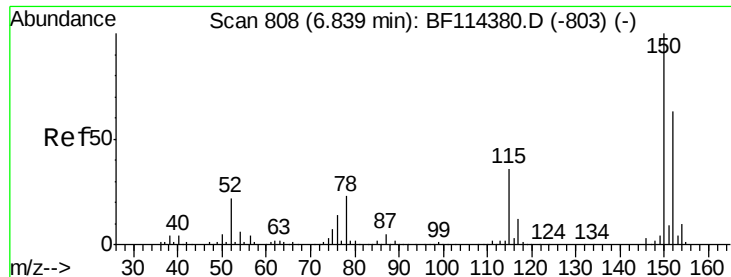
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.83 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

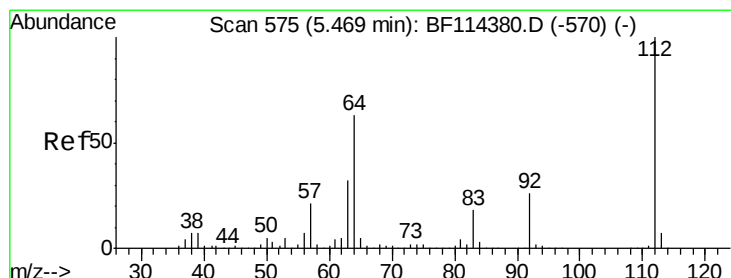
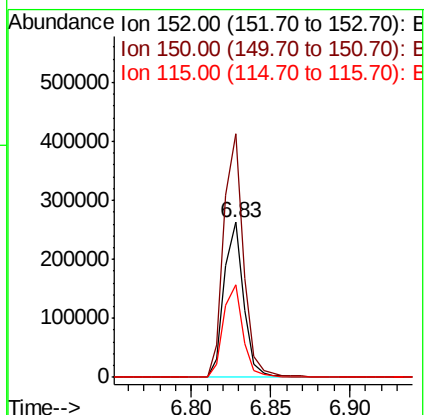
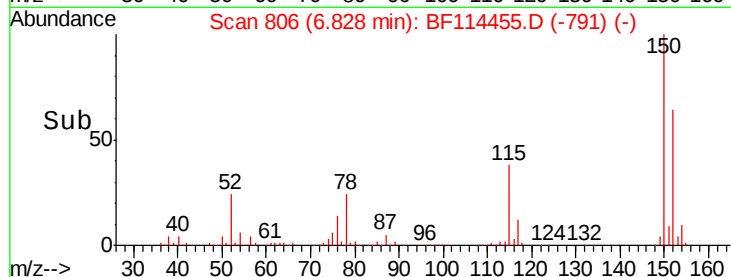
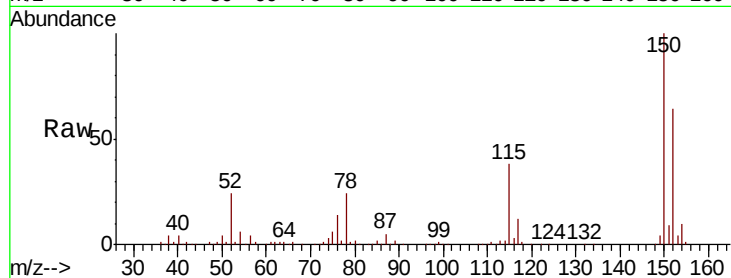
Tot Ion:152 Resp: 226330

Ion Ratio Lower Upper

152 100

150 157.1 124.3 186.5

115 59.4 49.1 73.7



#5

2-Fluorophenol

Concen: 45.490 ng

RT: 5.45 min Scan# 572

Delta R.T. -0.02 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

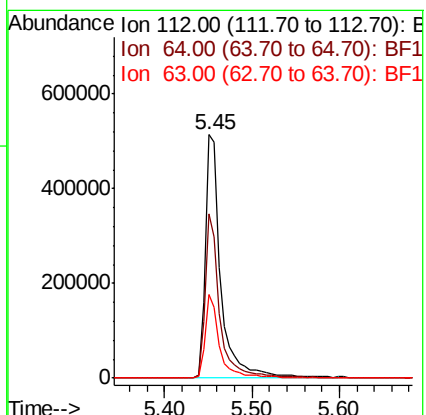
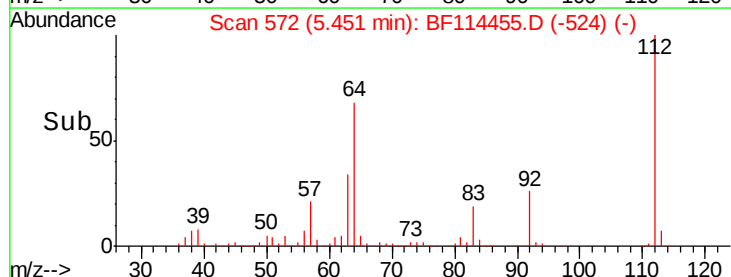
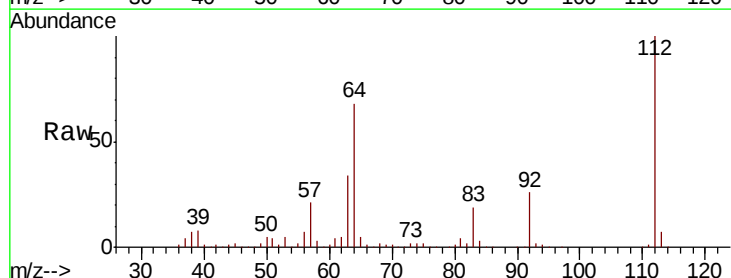
Tgt Ion:112 Resp: 639777

Ion Ratio Lower Upper

112 100

64 67.7 49.0 73.6

63 34.3 24.6 37.0





#7

Phenol-d6

Concen: 51.406 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.02 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

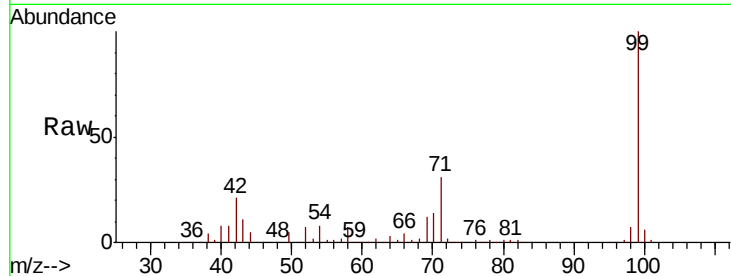
Tot Ion: 99 Resp: 855097

Ion Ratio Lower Upper

99 100

42 20.9 17.9 26.9

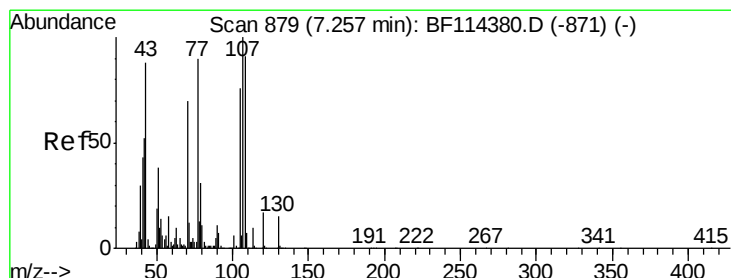
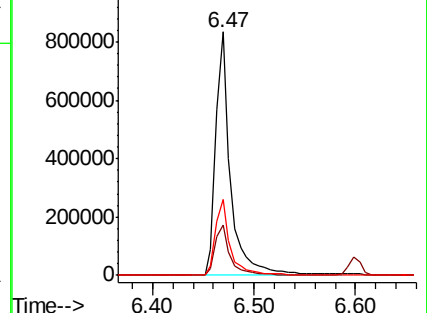
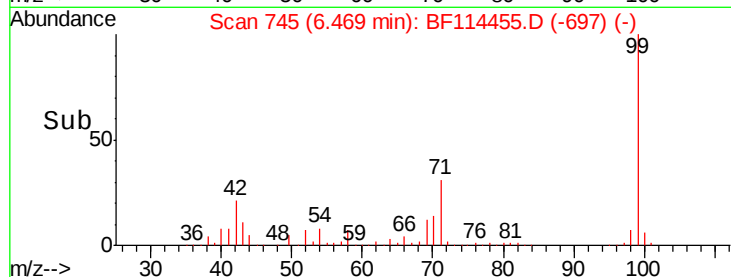
71 31.3 26.2 39.2



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: 6.107 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.13 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Tgt Ion: 70 Resp: 64386

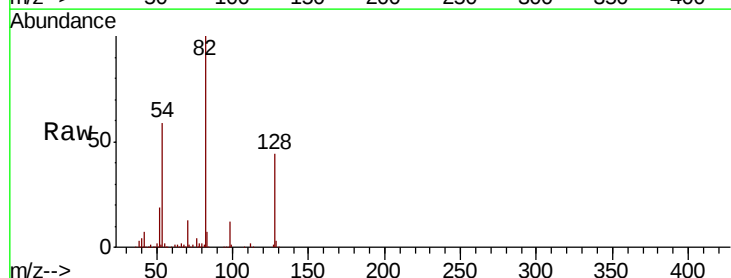
Ion Ratio Lower Upper

70 100

42 57.6 58.6 87.8#

101 0.0 7.8 11.8#

130 2.0 17.1 25.7#

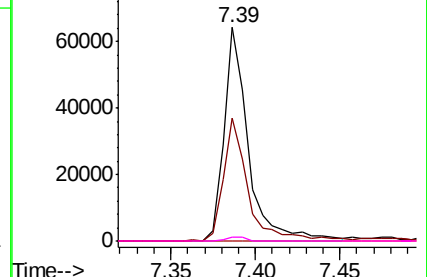
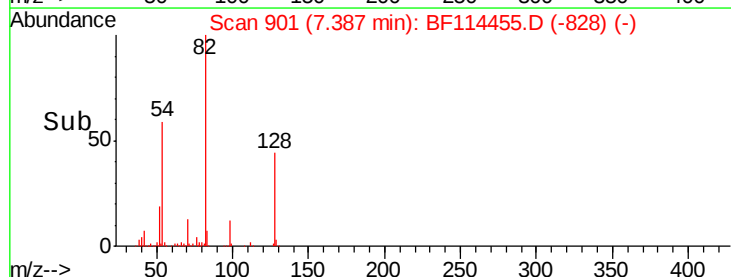


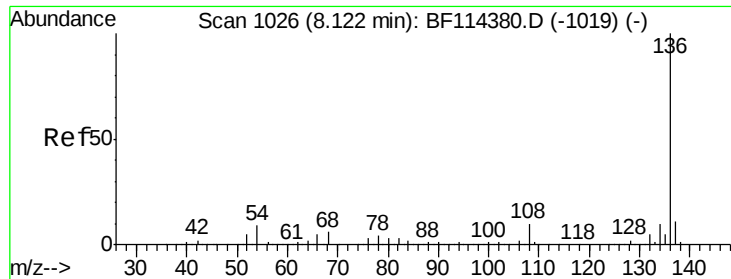
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.11 min Scan# 1024

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Instrument :

BNA_E

ClientSampled :

Tot Ion:136 Resp: 907327

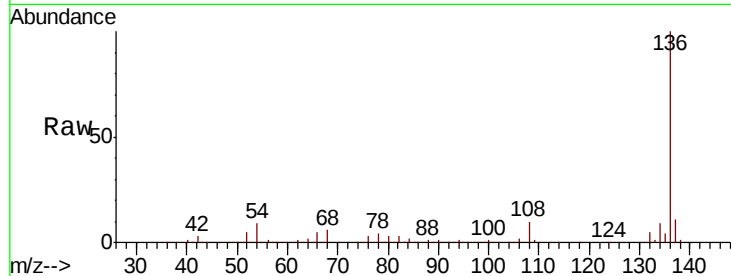
Ion Ratio Lower Upper

136 100

137 11.1 8.8 13.2

54 9.2 7.8 11.8

68 6.0 5.1 7.7

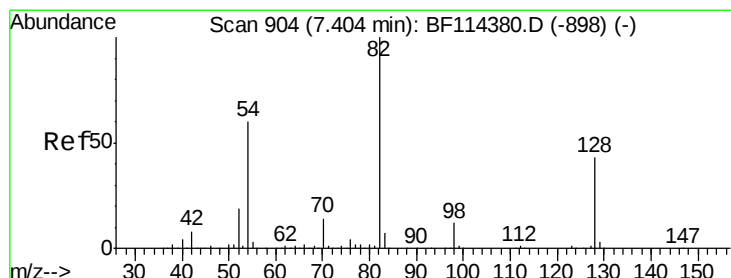
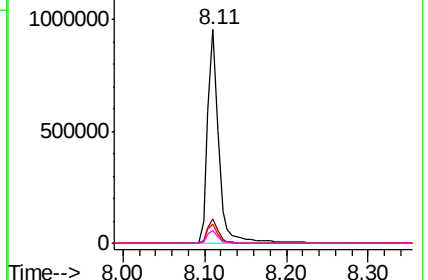
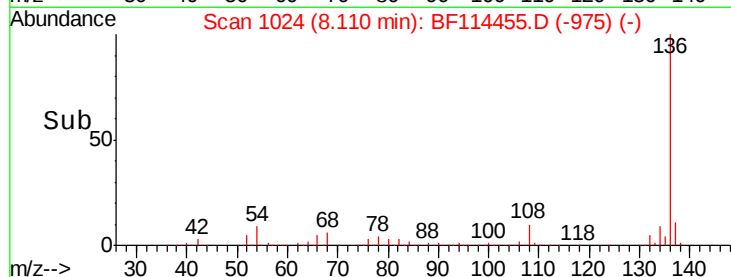


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.596 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

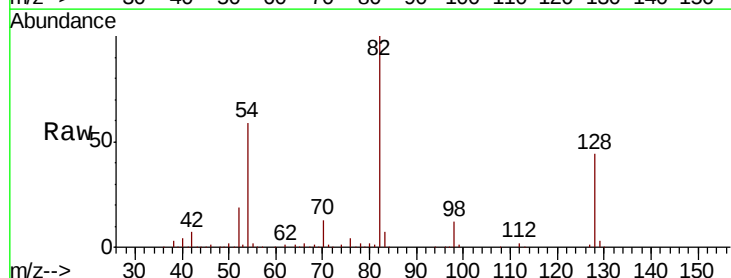
Tgt Ion: 82 Resp: 510824

Ion Ratio Lower Upper

82 100

128 44.2 35.5 53.3

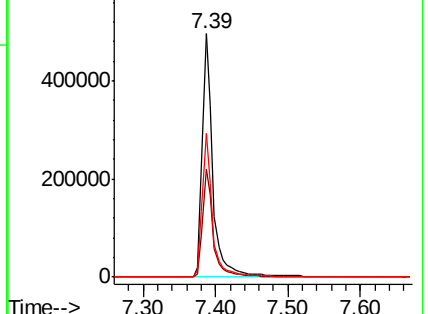
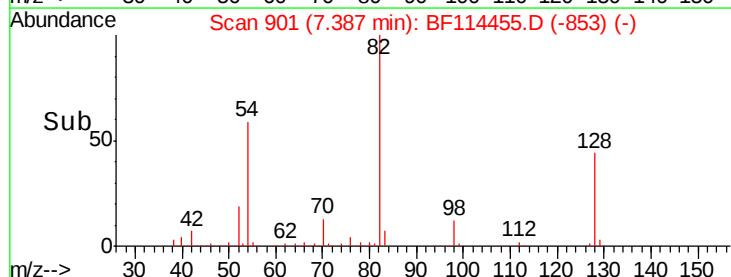
54 58.8 48.5 72.7

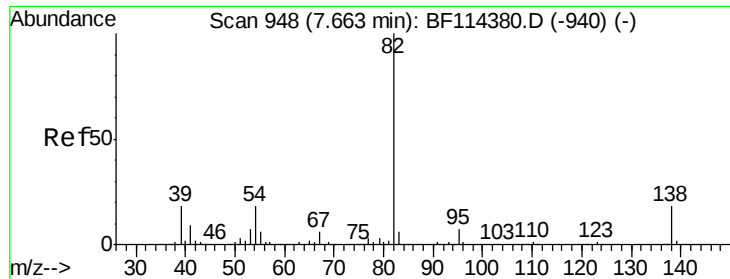


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 17.036 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.28 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

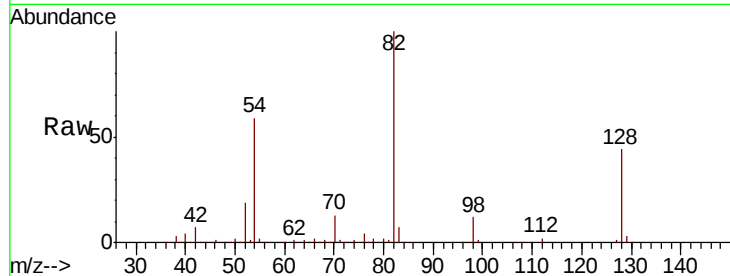
Tot Ion: 82 Resp: 510821

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

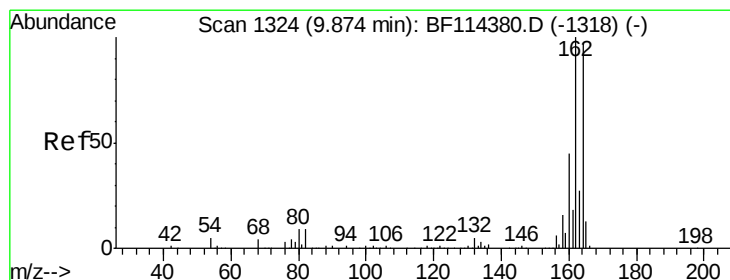
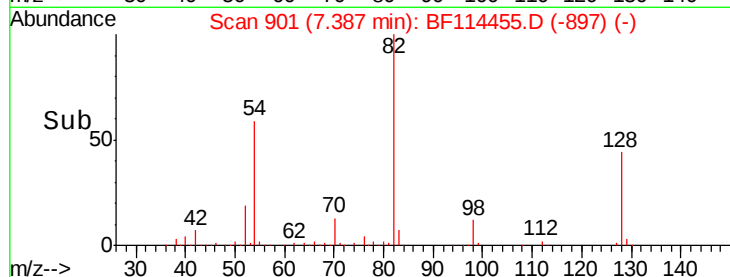
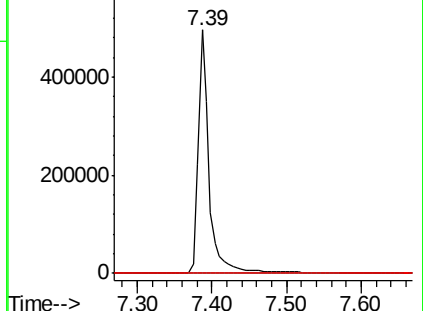
138 0.0 14.8 22.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

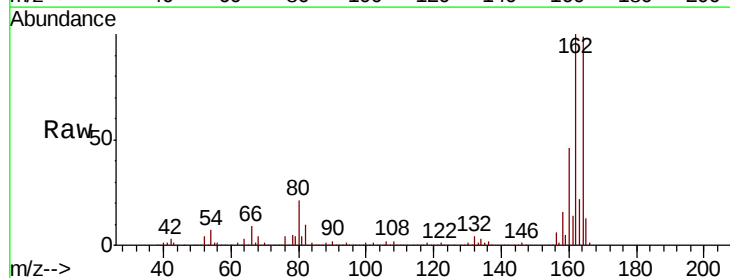
Tgt Ion: 164 Resp: 432215

Ion Ratio Lower Upper

164 100

162 100.9 80.6 120.8

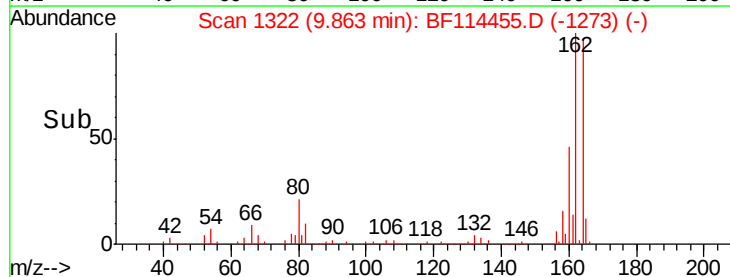
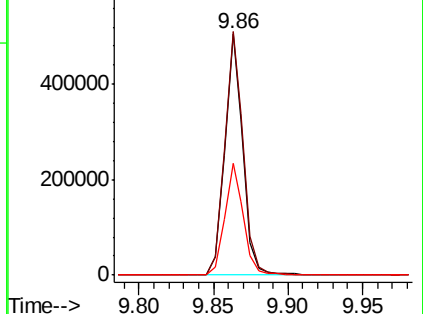
160 46.1 36.5 54.7

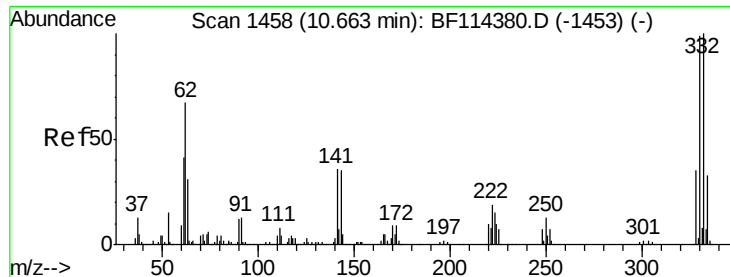


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 45.675 ng

RT: 10.66 min Scan# 1457

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Instrument :

BNA_E

ClientSampled :

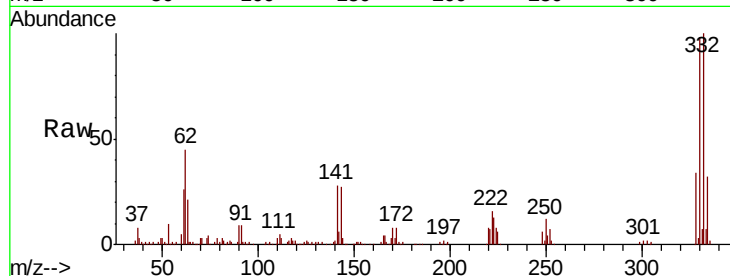
Tot Ion:330 Resp: 204093

Ion Ratio Lower Upper

330 100

332 103.3 81.4 122.2

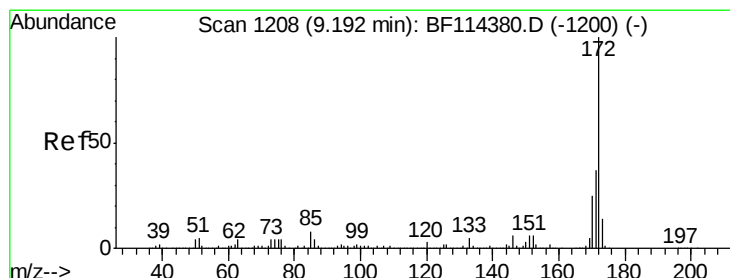
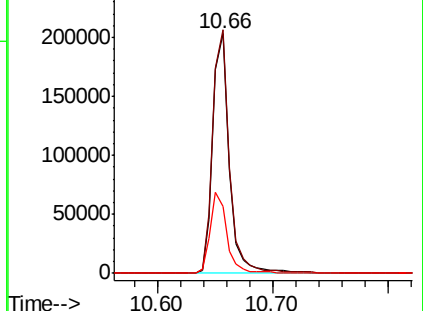
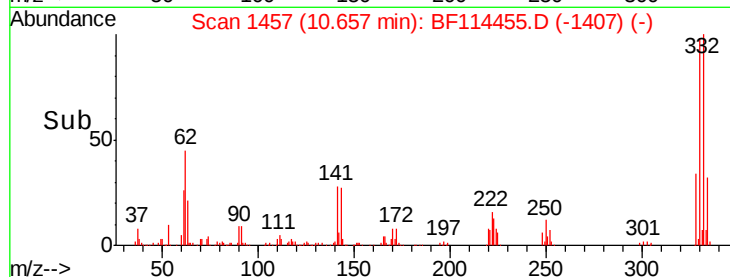
141 34.5 26.6 40.0



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: 32.950 ng

RT: 9.18 min Scan# 1206

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

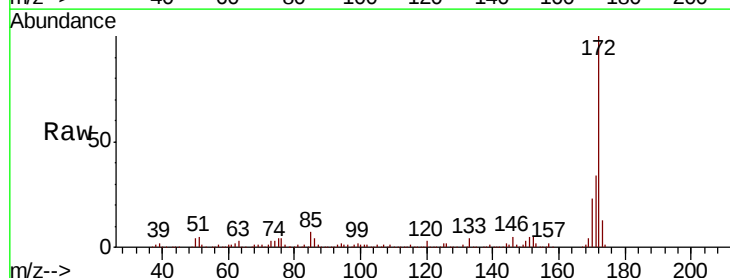
Tgt Ion:172 Resp: 941478

Ion Ratio Lower Upper

172 100

171 34.5 30.7 46.1

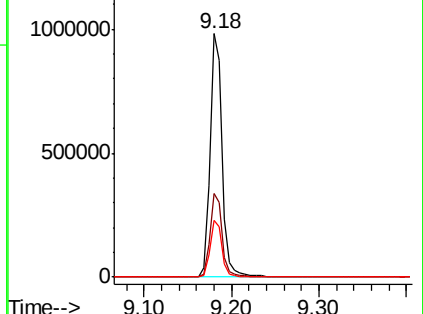
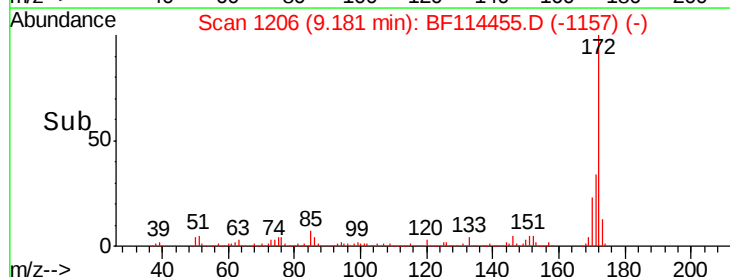
170 23.4 20.5 30.7

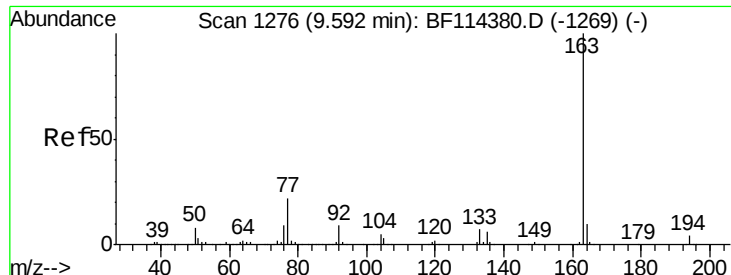


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.752 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

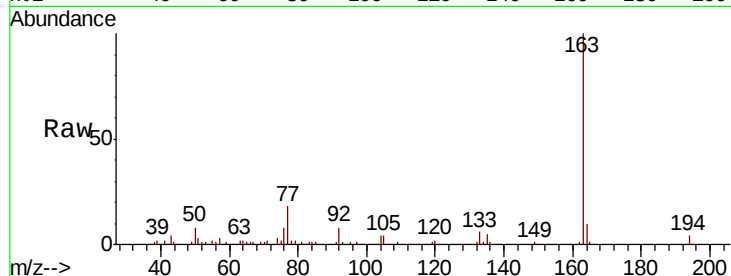
Tot Ion:163 Resp: 119055

Ion Ratio Lower Upper

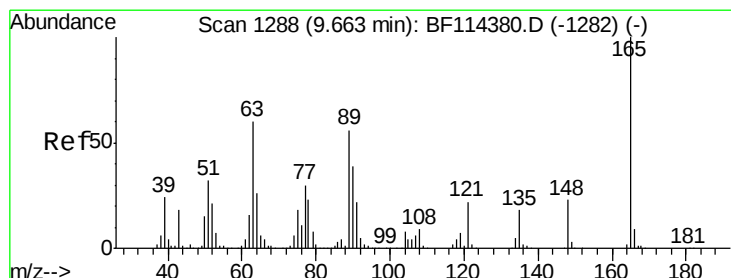
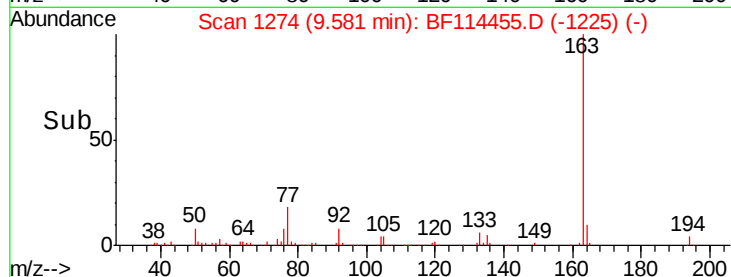
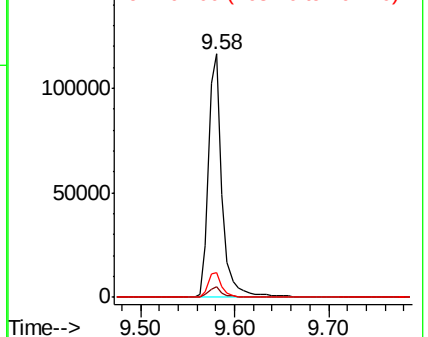
163 100

194 4.5 3.4 5.0

164 10.0 8.2 12.2



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



#51

2,6-Dinitrotoluene

Concen: 7.952 ng

RT: 9.86 min Scan# 1322

Delta R.T. 0.20 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

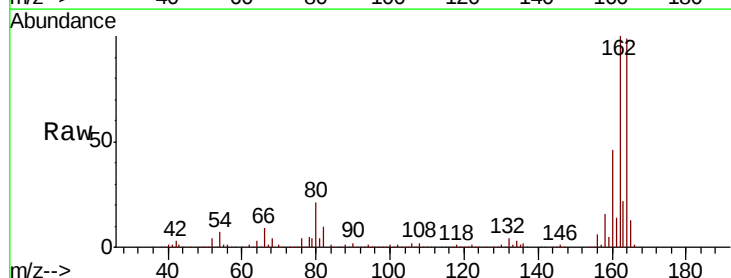
Tgt Ion:165 Resp: 55964

Ion Ratio Lower Upper

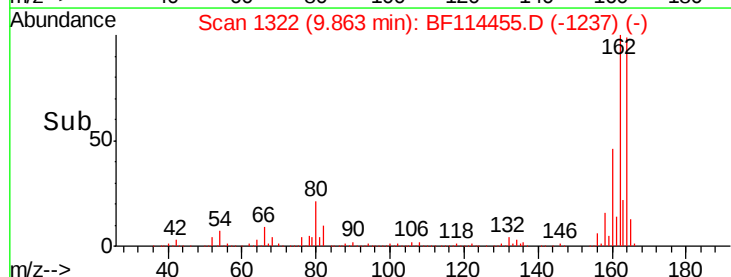
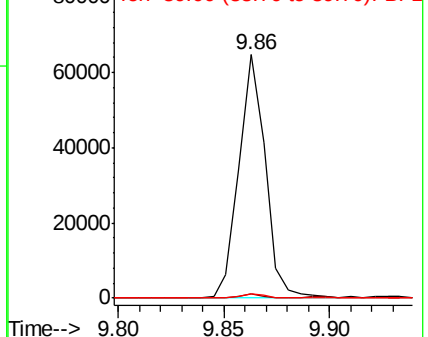
165 100

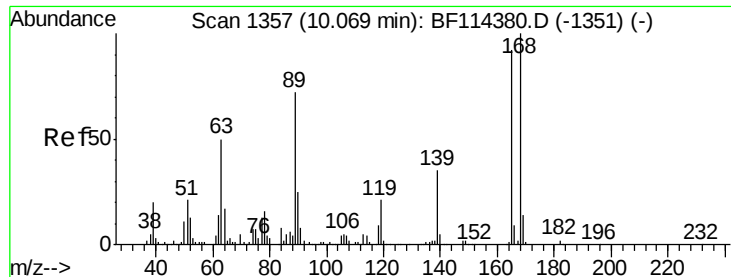
63 1.5 50.2 75.4#

89 1.5 46.6 69.8#



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

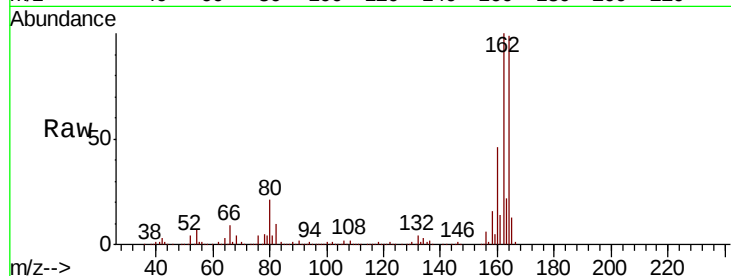




#57
 2,4-Dinitrotoluene
 Concen: 5.859 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF114455.D
 Acq: 21 May 2019 14:58

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	35.5	53.3#
89	1.5	55.2	82.8#
182	0.0	2.2	3.2#



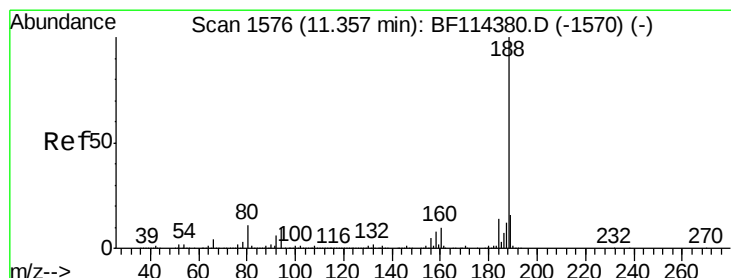
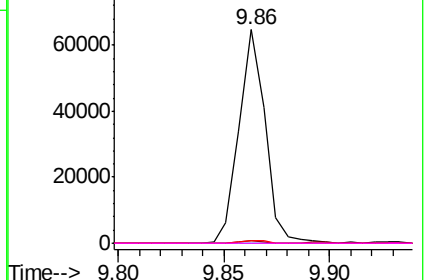
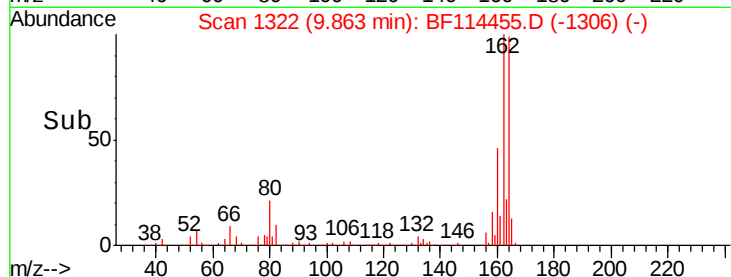
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

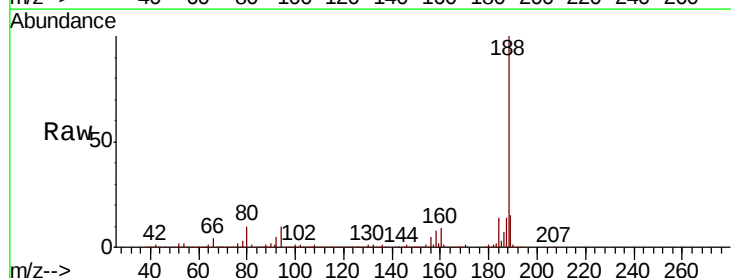
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. -0.01 min
 Lab File: BF114455.D
 Acq: 21 May 2019 14:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.4	12.6
80	10.1	9.2	13.8

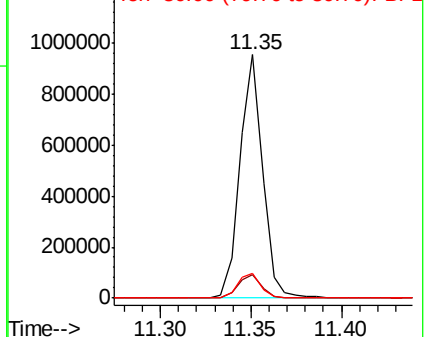
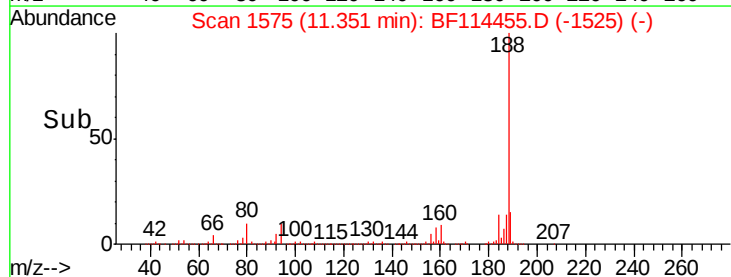


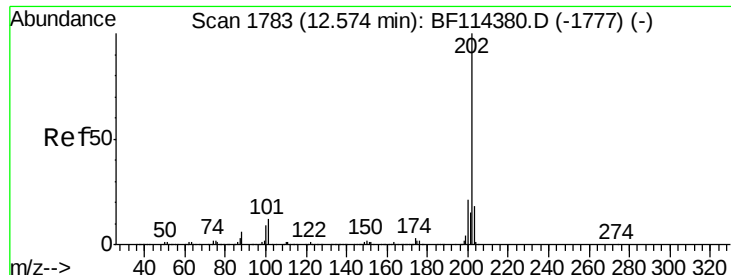
Abundance

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





#75

Fluoranthene

Concen: 3.387 ng

RT: 12.57 min Scan# 1782

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

Instrument :

BNA_E

ClientSampleId :

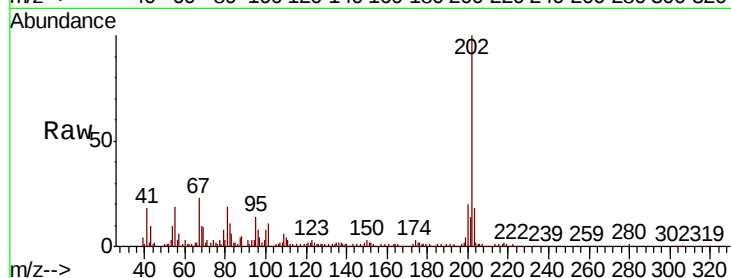
Tot Ion:202 Resp: 147011

Ion Ratio Lower Upper

202 100

101 11.3 0.0 31.0

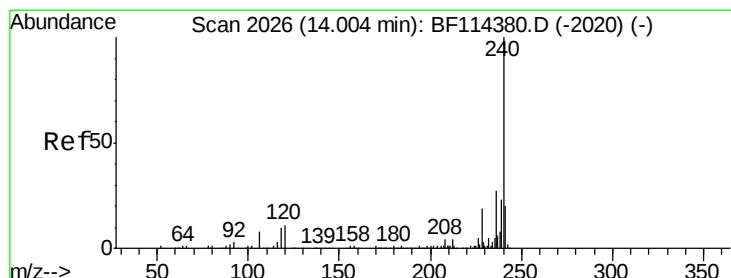
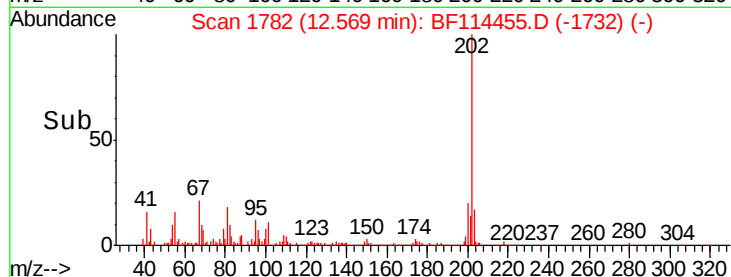
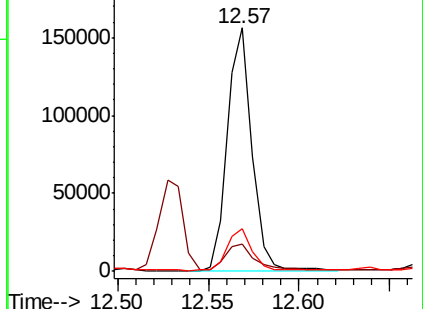
203 17.7 0.0 38.4



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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF114455.D

Acq: 21 May 2019 14:58

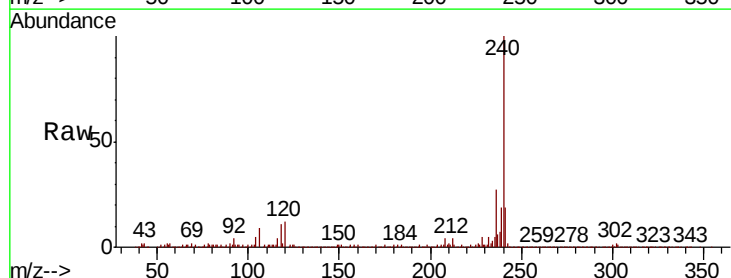
Tgt Ion:240 Resp: 494109

Ion Ratio Lower Upper

240 100

120 12.5 8.3 12.5#

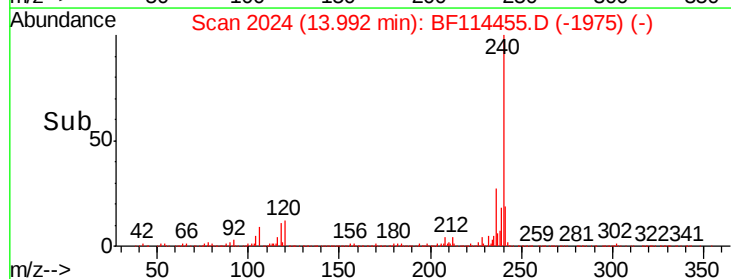
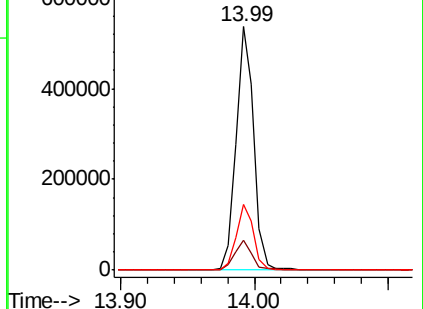
236 26.9 20.8 31.2

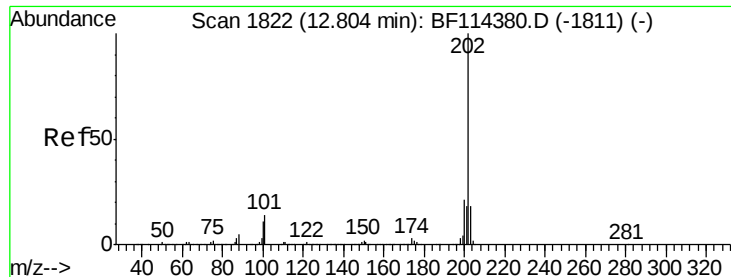


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

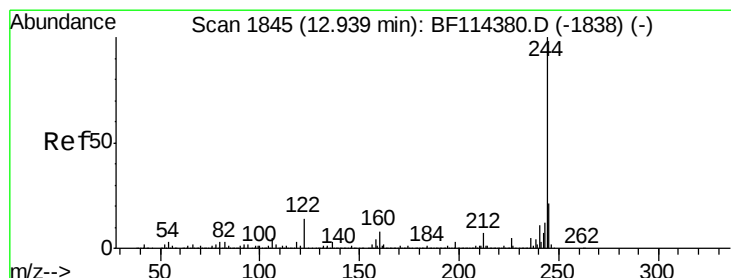
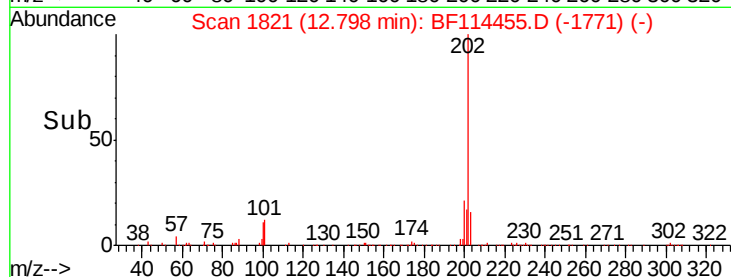
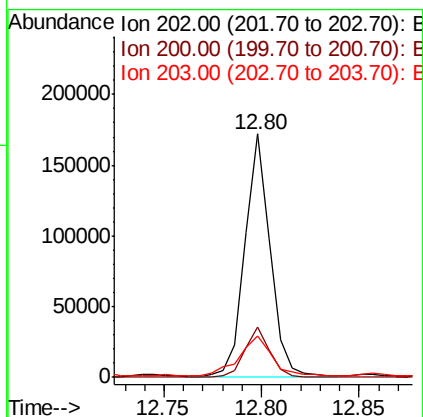
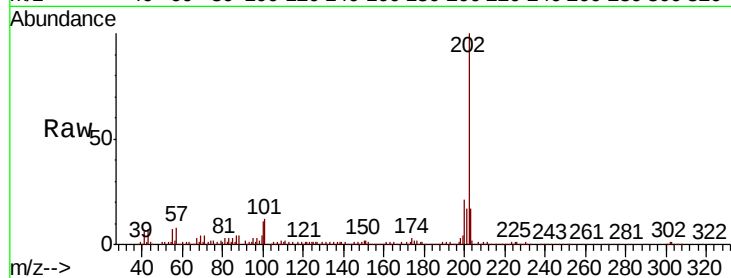




#78
Pvrene
Concen: 3.865 ng
RT: 12.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

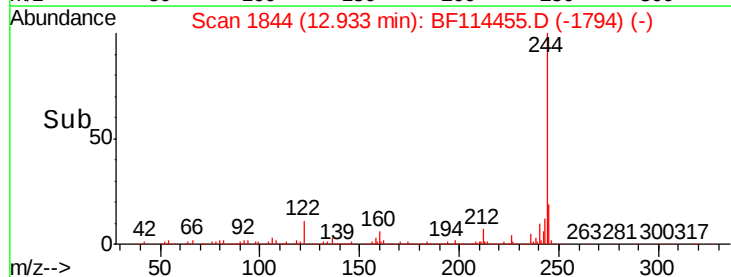
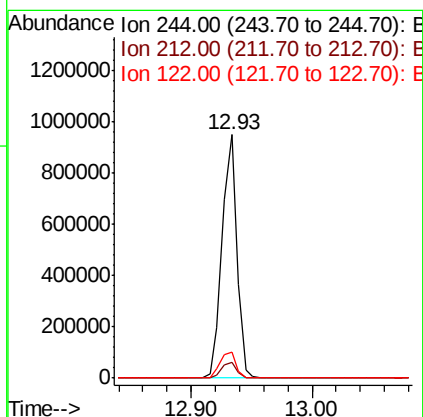
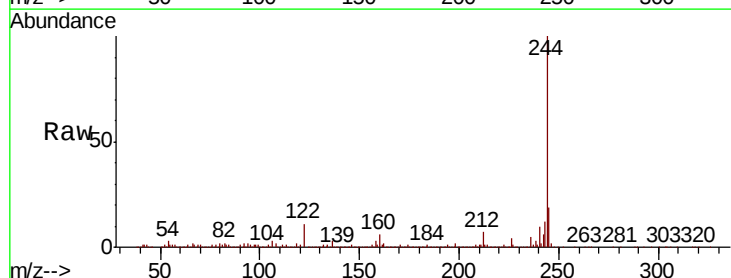
Instrument :
BNA_E
ClientSampleId :

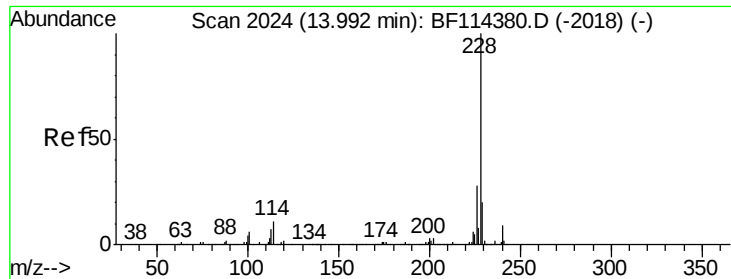
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.9	25.3
203	16.9	14.5	21.7



#79
Terphenyl-d14
Concen: 33.691 ng
RT: 12.93 min Scan# 1844
Delta R.T. -0.01 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.8	8.6
122	10.8	9.4	14.2

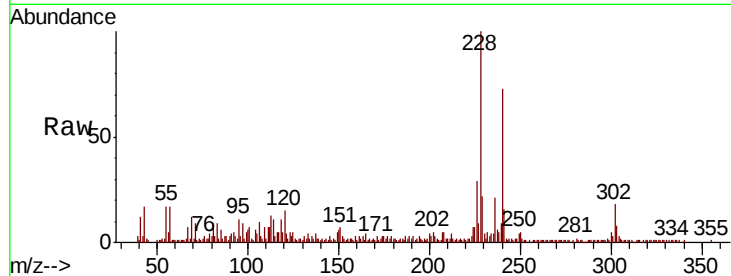




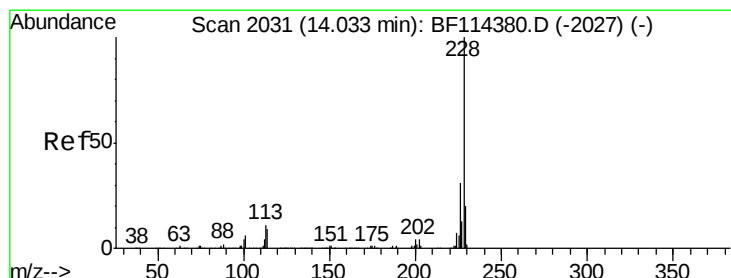
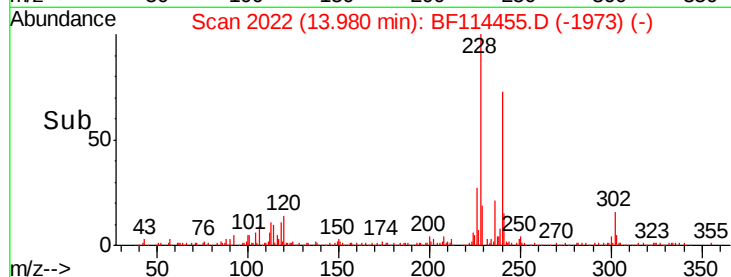
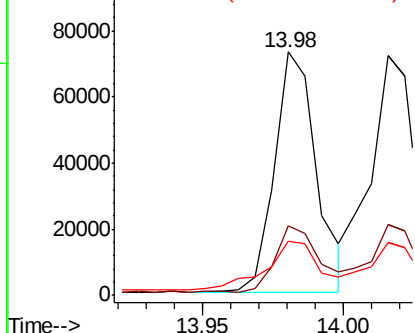
#81
Benzo(a)anthracene
Concen: 2.357 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:228 Resp: 75321
Ion Ratio Lower Upper
228 100
226 28.8 22.2 33.2
229 22.2 16.4 24.6

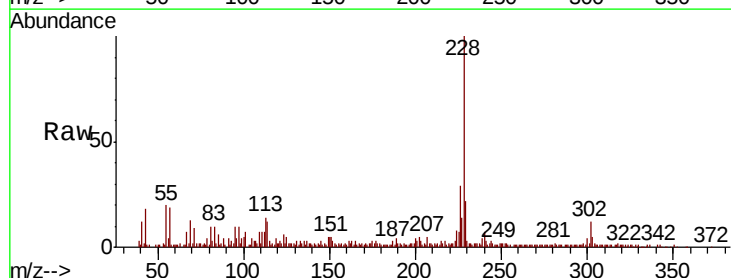


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

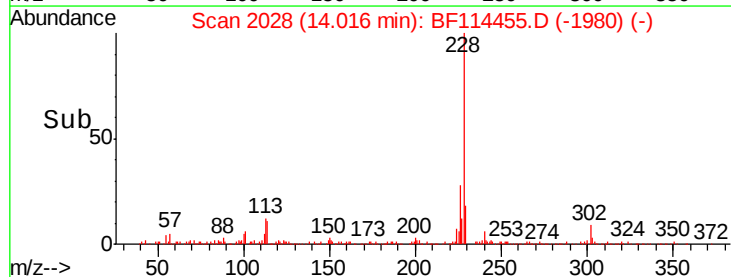
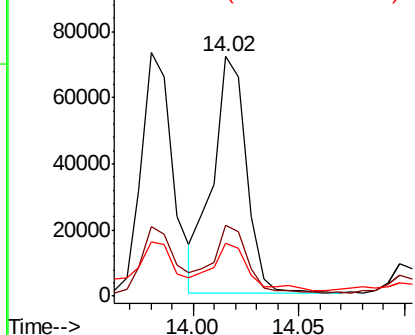


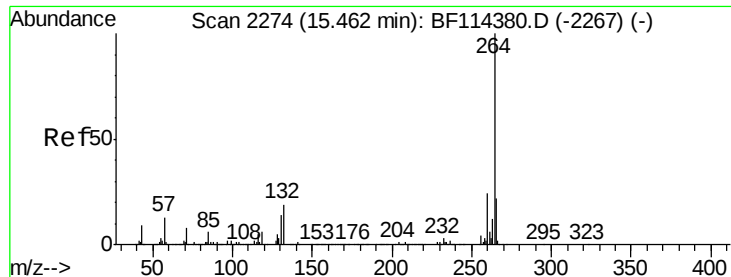
#83
Chrysene
Concen: 2.538 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

Tgt Ion:228 Resp: 79514
Ion Ratio Lower Upper
228 100
226 29.5 25.0 37.6
229 22.2 17.0 25.6



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

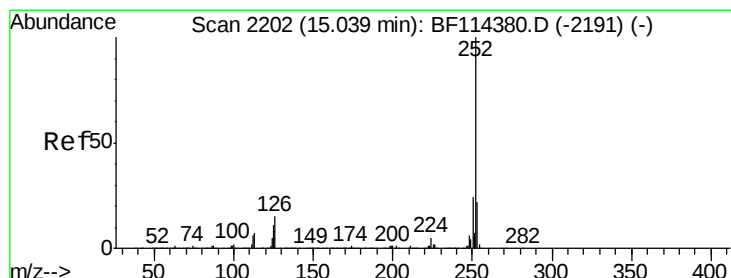
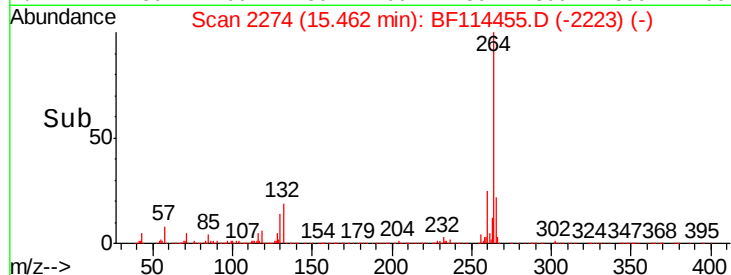
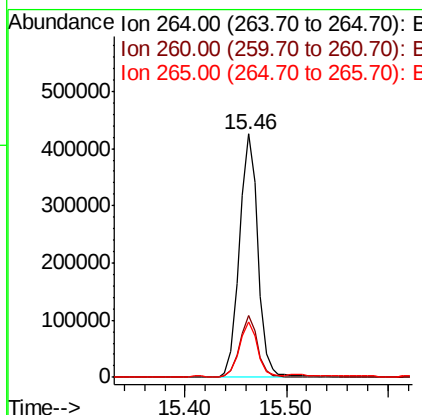
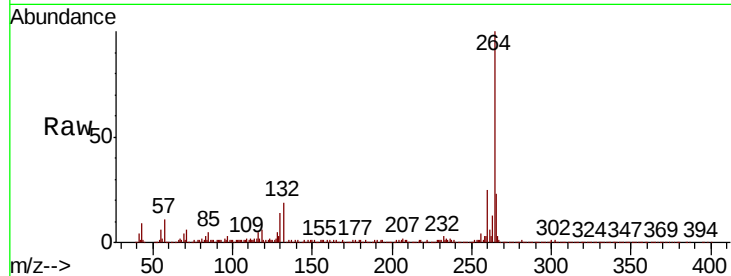




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

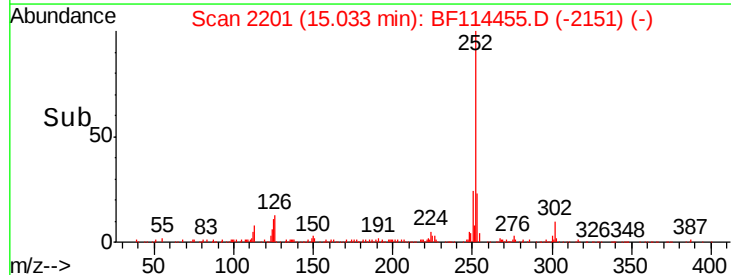
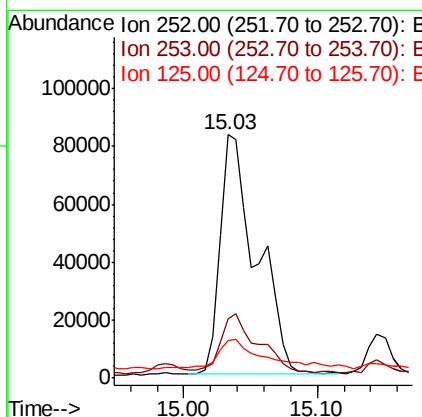
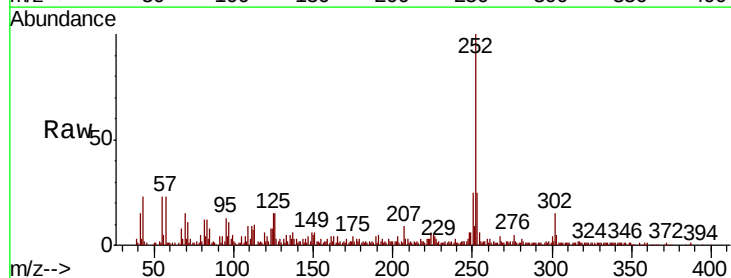
Instrument :
BNA_E
ClientSampled :

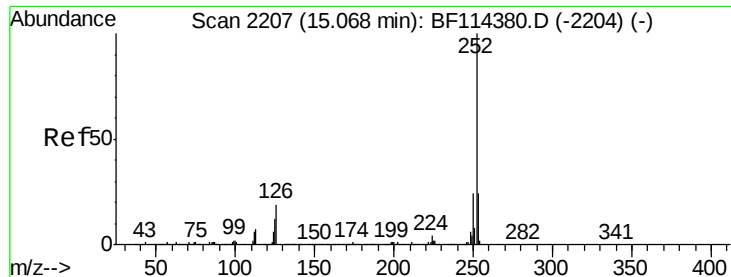
Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.4	29.0
265	22.7	16.9	25.3



#88
Benzo(b)fluoranthene
Concen: 4.604 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.8
125	15.5	8.3	12.5#

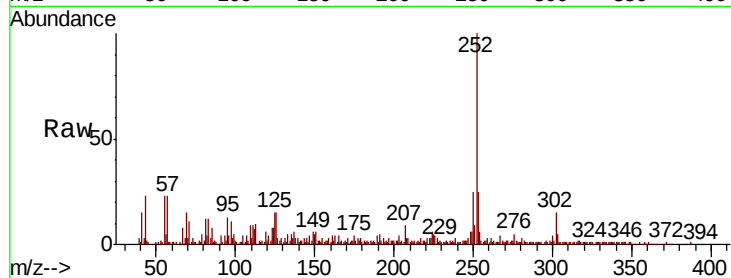




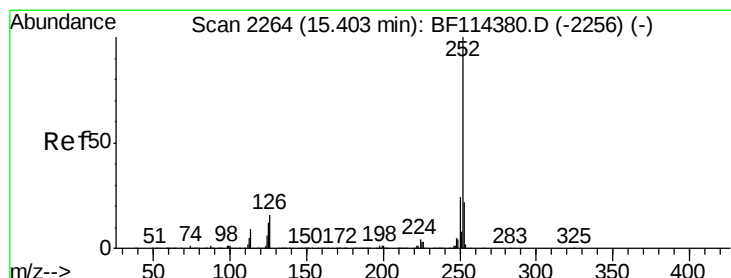
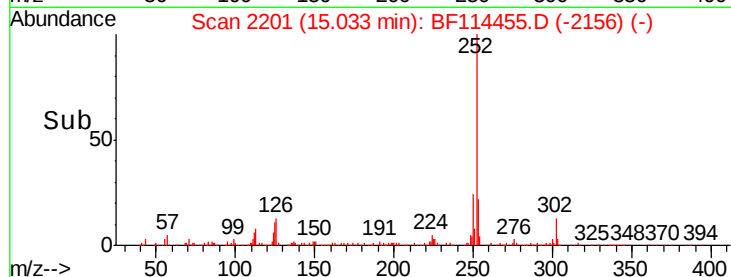
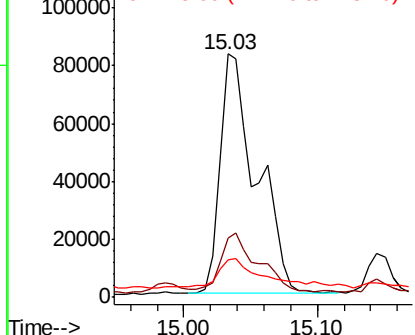
#89
Benzo(k)fluoranthene
Concen: 5.012 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.04 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

Instrument :
BNA_E
ClientSampleId :

Tot Ion:252 Resp: 157871
Ion Ratio Lower Upper
252 100
253 24.5 18.2 27.2
125 15.5 8.6 13.0#

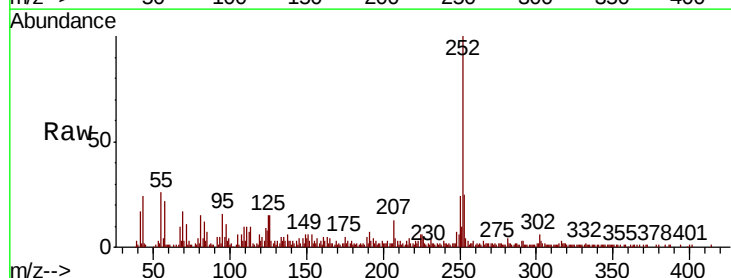


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#90
Benzo(a)pyrene
Concen: 2.819 ng
RT: 15.40 min Scan# 2264
Delta R.T. 0.00 min
Lab File: BF114455.D
Acq: 21 May 2019 14:58

Tgt Ion:252 Resp: 85064
Ion Ratio Lower Upper
252 100
253 25.0 18.1 27.1
125 15.3 9.5 14.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

