

Data File : BF114756.D
Acq On : 1 Jun 2019 14:52
Operator : HP/JU
Sample : K3085-01
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TANK-3

Quant Time: Jun 03 01:39:50 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF052919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 29 19:08:51 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	442280	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1645586	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	818781	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1525759	20.00	ng	0.00
76) Chrysene-d12	13.82	240	906900	20.00	ng	0.00
87) Perylene-d12	15.20	264	1043710	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	1017751	40.40	ng	0.00
7) Phenol-d6	6.32	99	778190	25.64	ng	0.00
23) Nitrobenzene-d5	7.26	82	2135527	80.96	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	709533	90.95	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	3549630	80.61	ng	0.00
79) Terphenyl-d14	12.78	244	3320630	68.84	ng	0.00

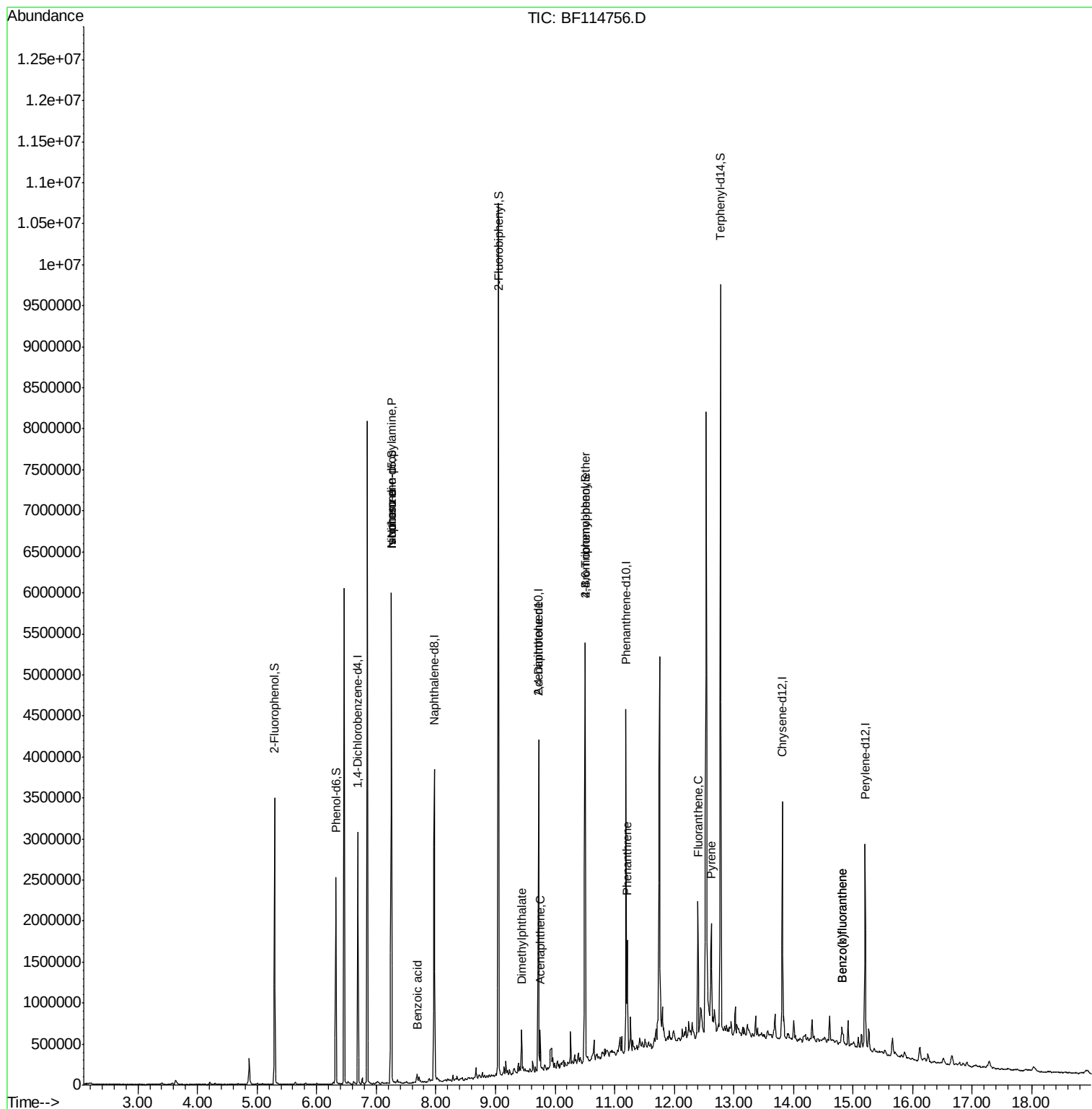
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	36547	Below Cal		87
19) n-Nitroso-di-n-propylamine	7.26	70	292581	13.963 ng	#	74
25) Isophorone	7.26	82	2072543	39.154 ng	#	63
32) Benzoic acid	7.69	122	32137	2.181 ng		93
50) Dimethylphthalate	9.44	163	179992	3.155 ng		98
52) Acenaphthene	9.75	154	99188	2.100 ng		97
57) 2,4-Dinitrotoluene	9.72	165	109538	6.438 ng	#	24
58) Fluorene	10.26	166	98426	Below Cal		97
61) 4-Chlorophenyl-phenylether	10.25	204	192	Below Cal	#	1
67) 4-Bromophenyl-phenylether	10.50	248	45642	2.790 ng	#	1
69) Atrazine	10.89	200	1296	Below Cal	#	1
71) Phenanthrene	11.22	178	462843	5.947 ng		97
74) Di-n-butylphthalate	11.77	149	20424	Below Cal	#	82
75) Fluoranthene	12.40	202	609768	7.566 ng		96
78) Pyrene	12.62	202	486995	6.348 ng		97
88) Benzo(b)fluoranthene	14.81	252	142234	2.164 ng	#	96
89) Benzo(k)fluoranthene	14.81	252	142234	2.489 ng	#	96

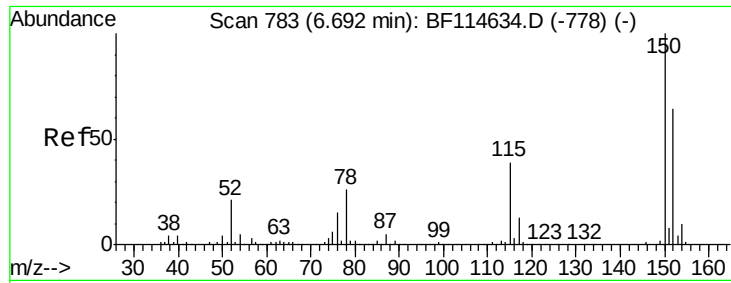
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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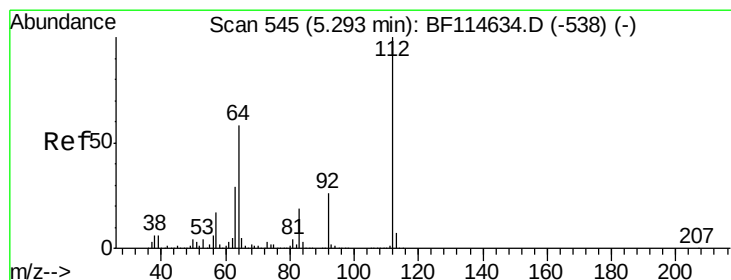
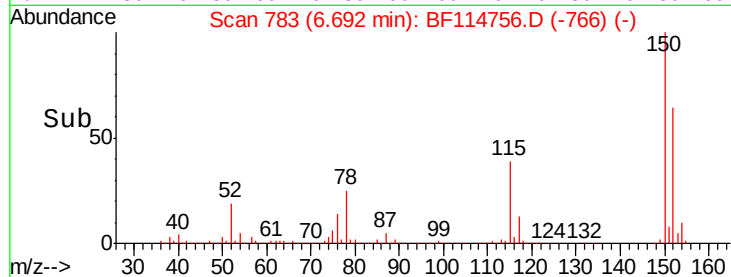
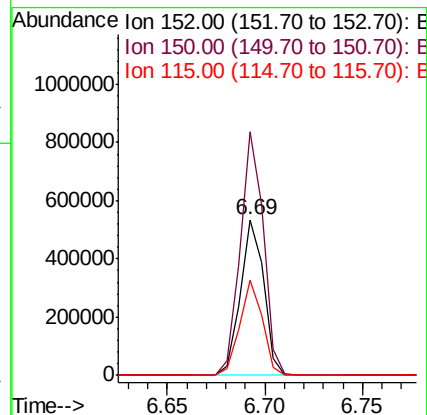
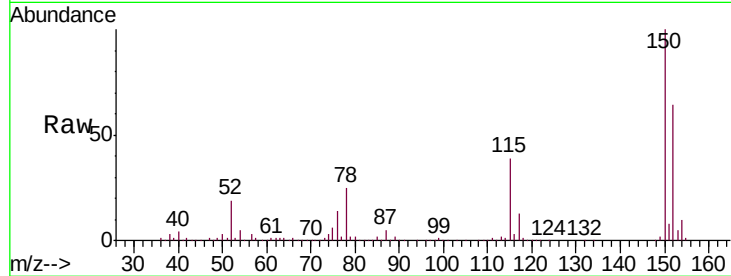


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114756.D
Acq: 1 Jun 2019 14:52

Instrument :
BNA_F
ClientSampled :
TANK-3

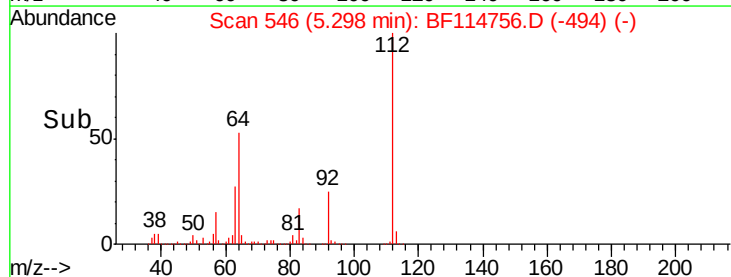
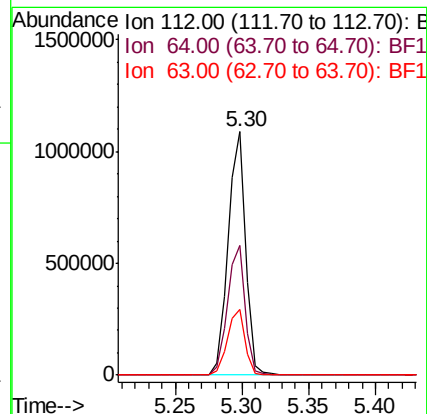
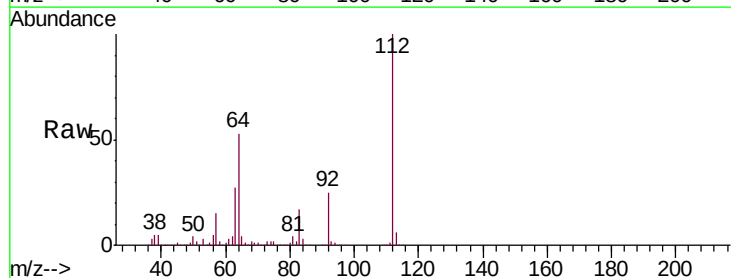
Tgt Ion:152 Resp: 442280
Ion Ratio Lower Upper
152 100
150 156.7 124.4 186.6
115 60.9 48.7 73.1

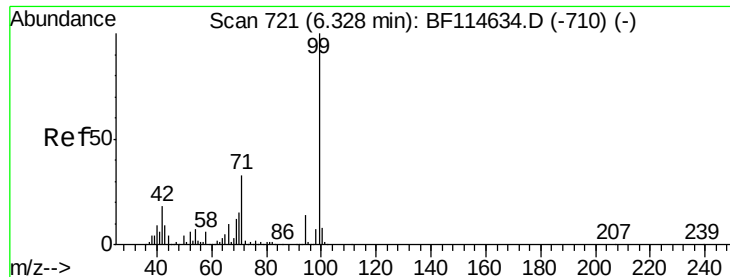


#5

2-Fluorophenol
Concen: 40.401 ng
RT: 5.30 min Scan# 546
Delta R.T. 0.01 min
Lab File: BF114756.D
Acq: 1 Jun 2019 14:52

Tgt Ion:112 Resp: 1017751
Ion Ratio Lower Upper
112 100
64 53.2 46.1 69.1
63 26.8 23.4 35.2





#7

Phenol-d6

Concen: 25.635 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.01 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

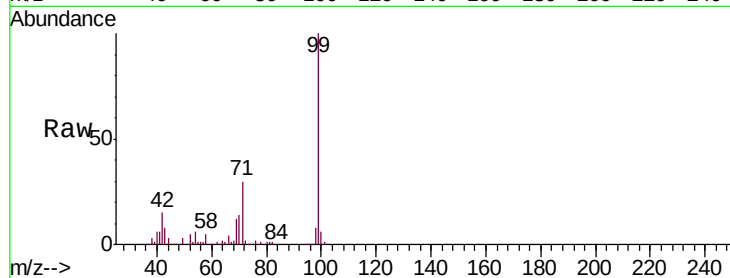
Tgt Ion: 99 Resp: 778190

Ion Ratio Lower Upper

99 100

42 15.3 14.7 22.1

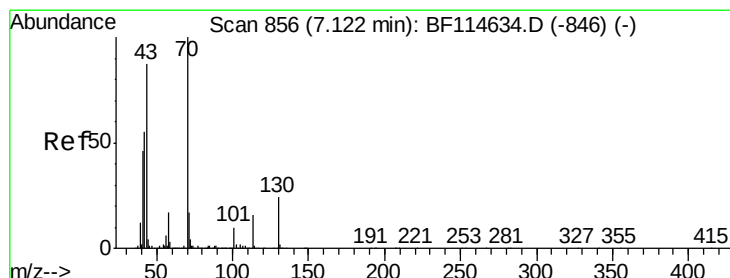
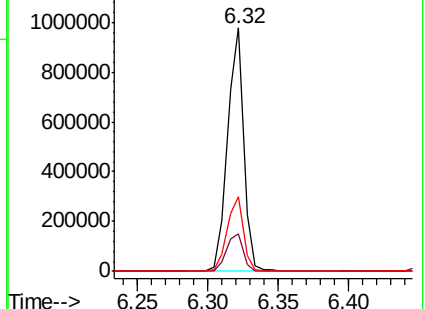
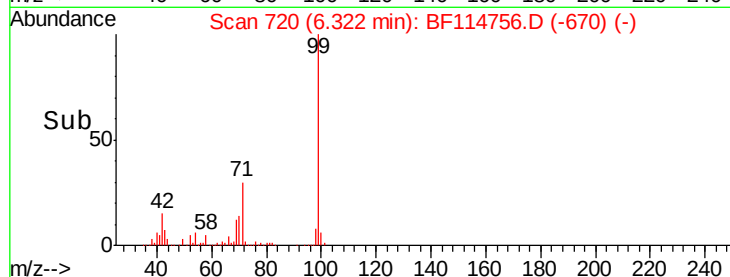
71 30.5 26.6 40.0



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: 13.963 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Tgt Ion: 70 Resp: 292581

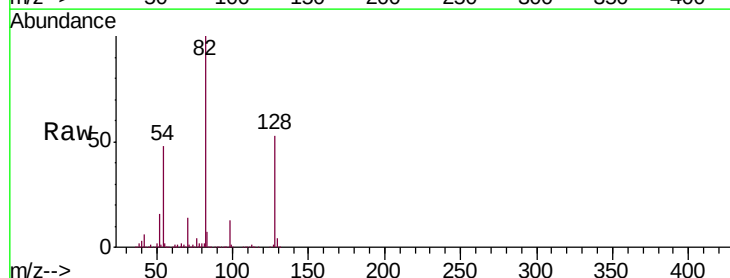
Ion Ratio Lower Upper

70 100

42 42.8 44.4 66.6#

101 0.0 8.2 12.4#

130 2.5 19.4 29.0#

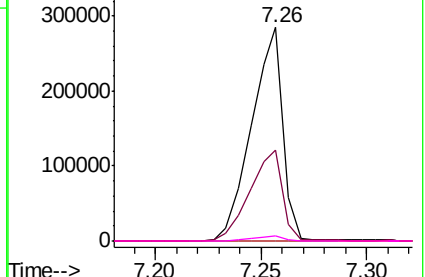
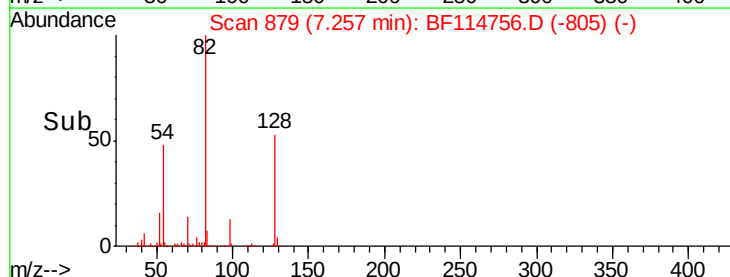


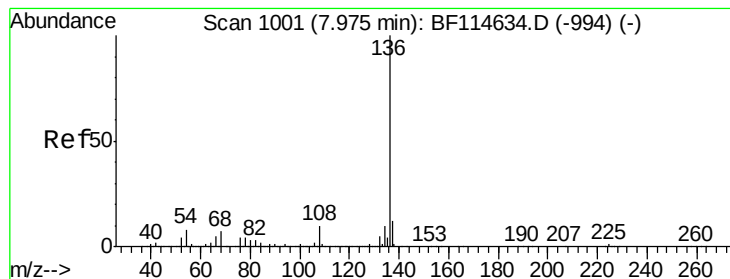
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.97 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

Tgt Ion:136 Resp: 1645586

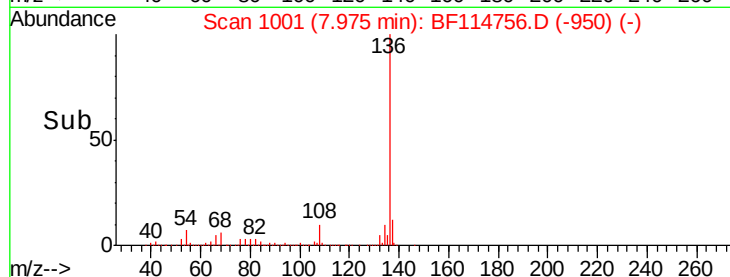
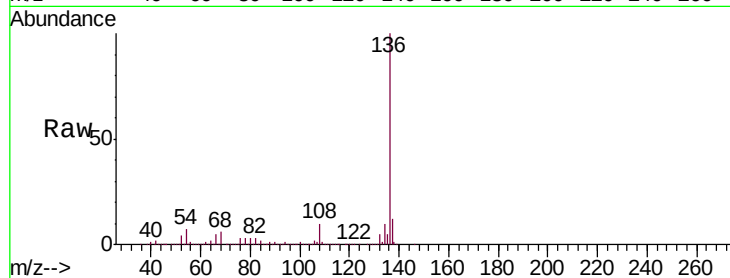
Ion Ratio Lower Upper

136 100

137 11.5 9.3 13.9

54 6.8 6.3 9.5

68 5.6 5.4 8.0

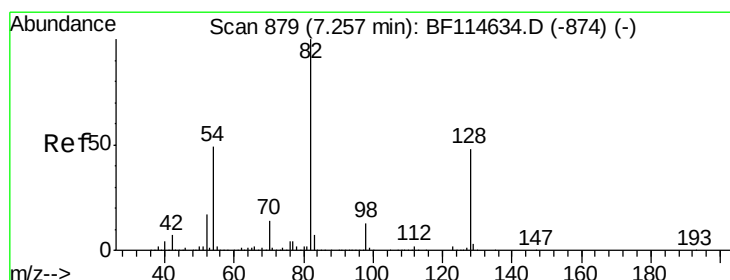
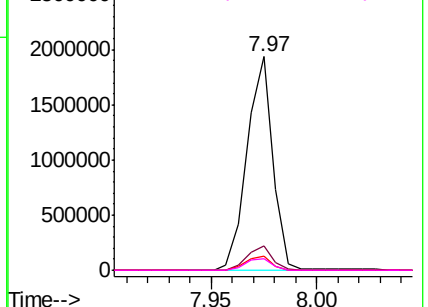


Abundance Ion 136.00 (135.70 to 136.70): E

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: 80.964 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.00 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

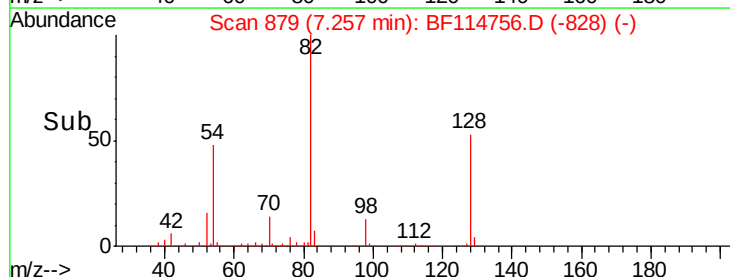
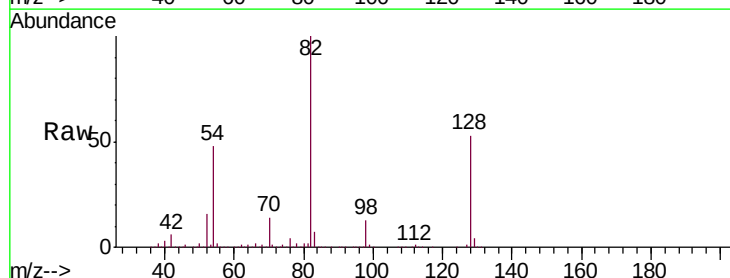
Tgt Ion: 82 Resp: 2135527

Ion Ratio Lower Upper

82 100

128 53.0 38.5 57.7

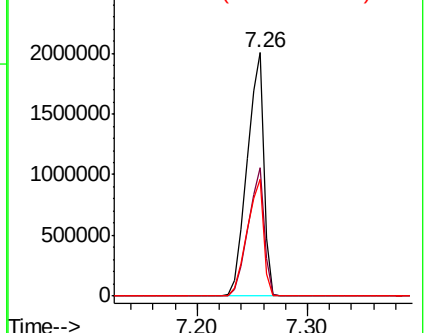
54 47.8 39.1 58.7

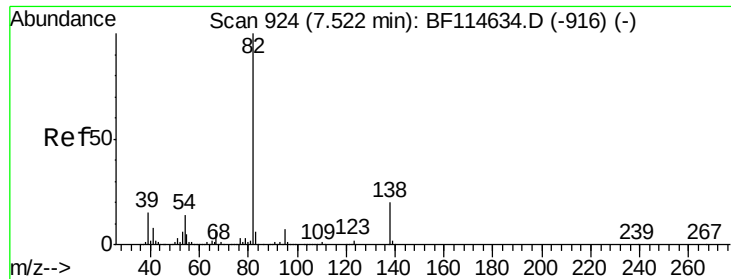


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 39.154 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

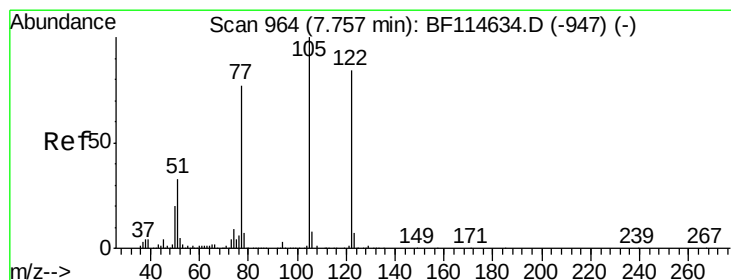
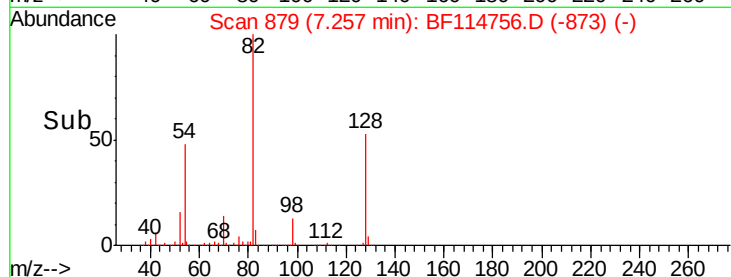
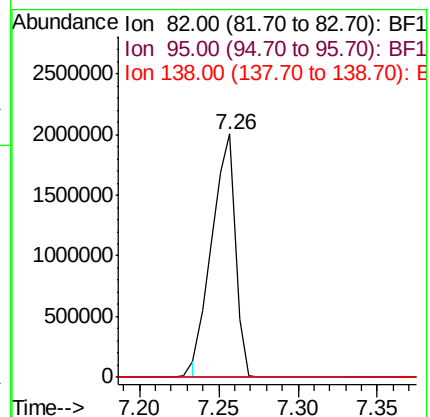
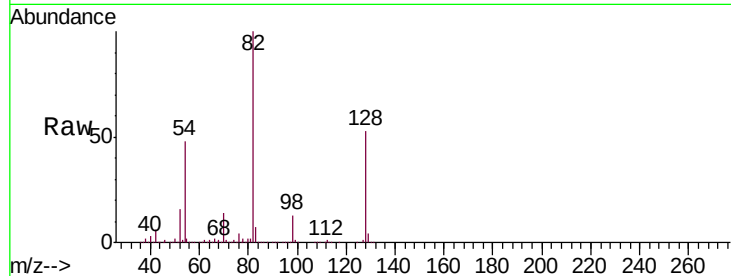
Tgt Ion: 82 Resp: 2072543

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 15.9 23.9#



#32

Benzoic acid

Concen: 2.181 ng

RT: 7.69 min Scan# 952

Delta R.T. -0.07 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

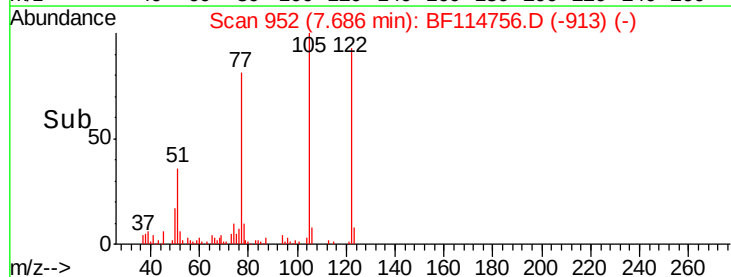
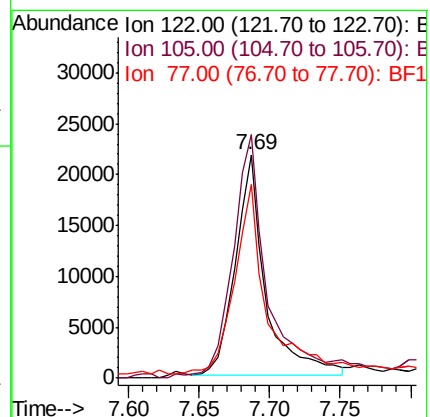
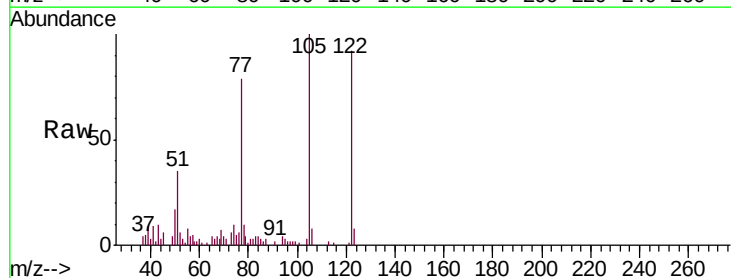
Tgt Ion: 122 Resp: 32137

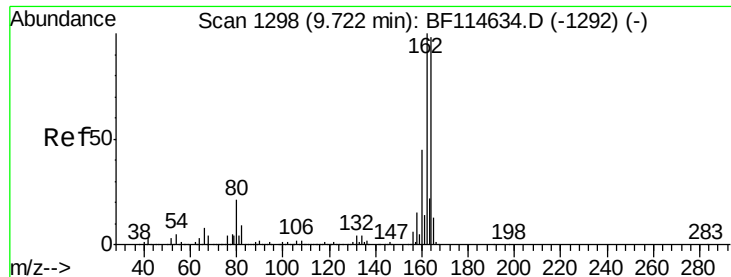
Ion Ratio Lower Upper

122 100

105 109.0 98.3 138.3

77 86.5 70.7 110.7

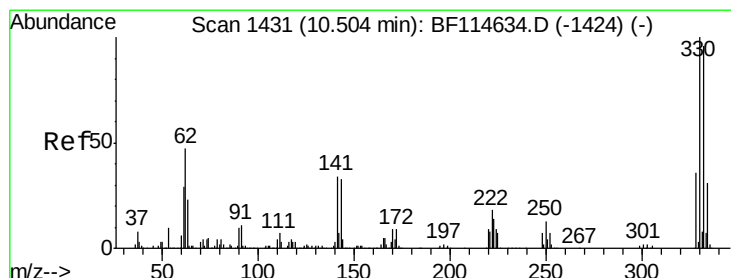
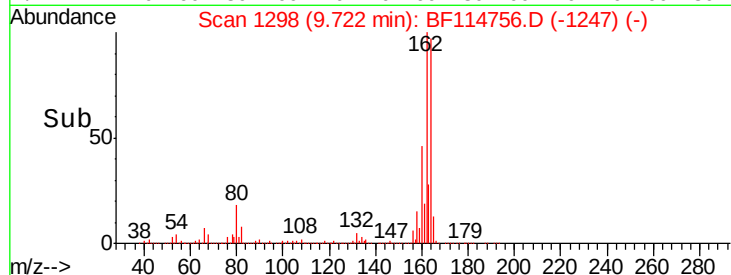
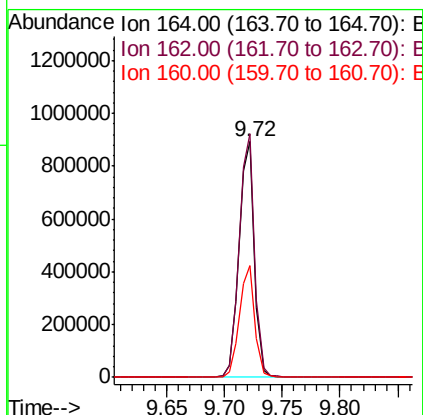
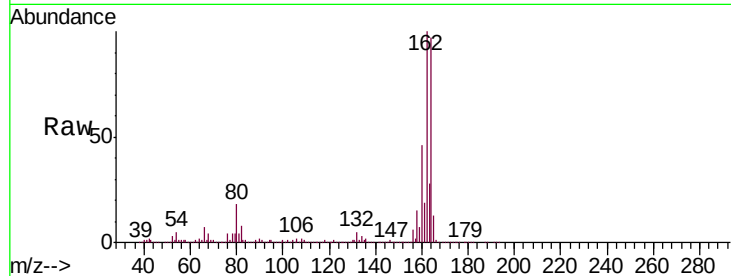




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.00 min
Lab File: BF114756.D
Acq: 1 Jun 2019 14:52

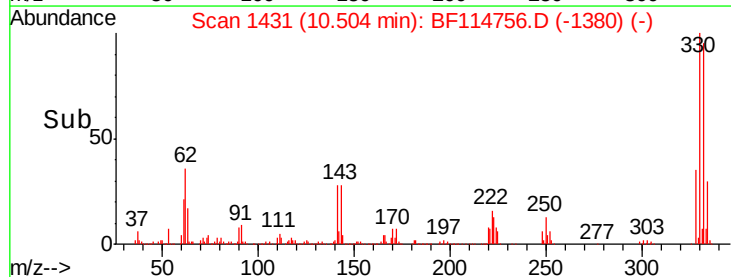
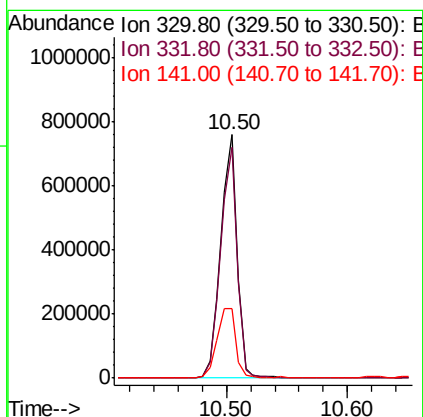
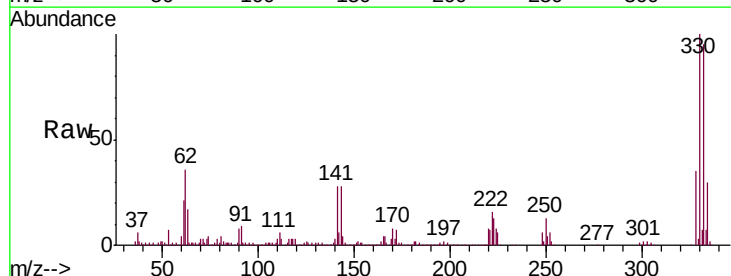
Instrument :
BNA_F
ClientSampleId :
TANK-3

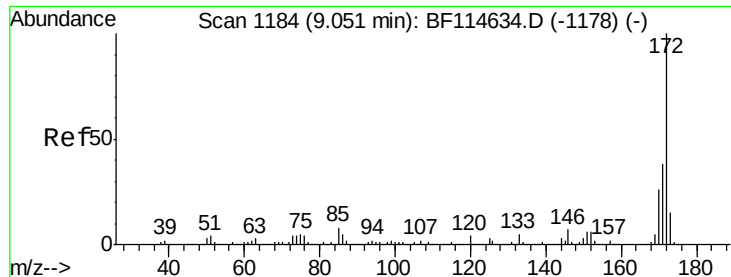
Tgt Ion:164 Resp: 818781
Ion Ratio Lower Upper
164 100
162 103.4 81.4 122.2
160 47.3 36.6 54.8



#42
2,4,6-Tribromophenol
Concen: 90.946 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BF114756.D
Acq: 1 Jun 2019 14:52

Tgt Ion:330 Resp: 709533
Ion Ratio Lower Upper
330 100
332 95.8 75.8 113.8
141 32.2 27.8 41.8

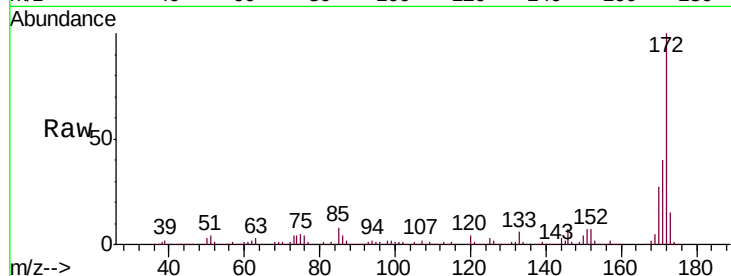




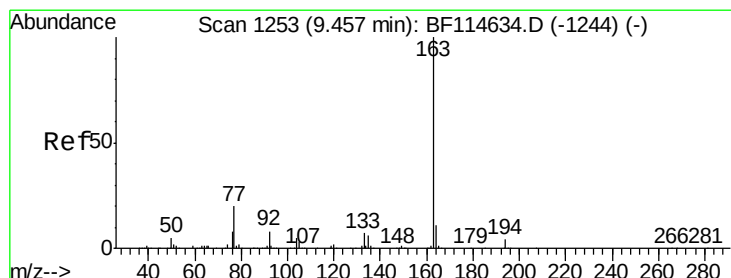
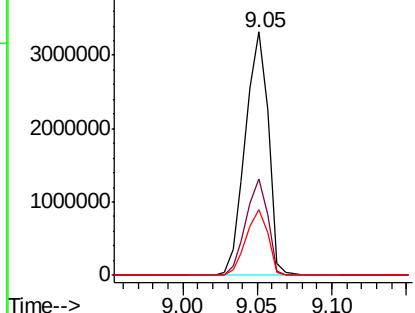
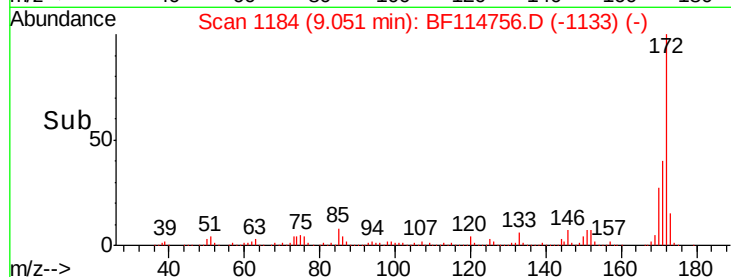
#45
 2-Fluorobiphenyl
 Concen: 80.611 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF114756.D
 Acq: 1 Jun 2019 14:52

Instrument :
 BNA_F
 ClientSampleId :
 TANK-3

Tgt Ion:172 Resp: 3549630
 Ion Ratio Lower Upper
 172 100
 171 39.8 30.6 45.8
 170 27.2 20.7 31.1

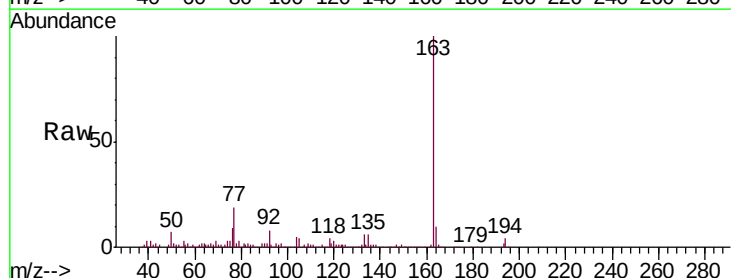


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

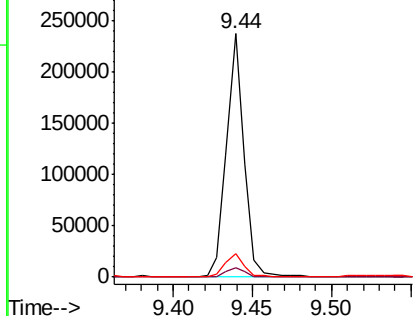
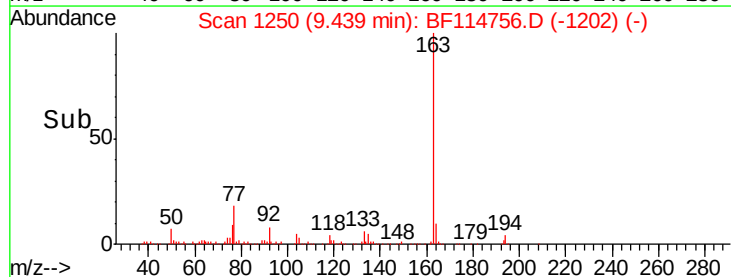


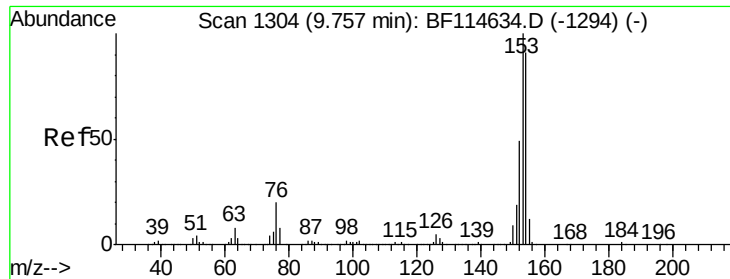
#50
 Dimethylphthalate
 Concen: 3.155 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.02 min
 Lab File: BF114756.D
 Acq: 1 Jun 2019 14:52

Tgt Ion:163 Resp: 179992
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.4 5.0
 164 9.7 8.6 13.0



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





#52

Acenaphthene

Concen: 2.100 ng

RT: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

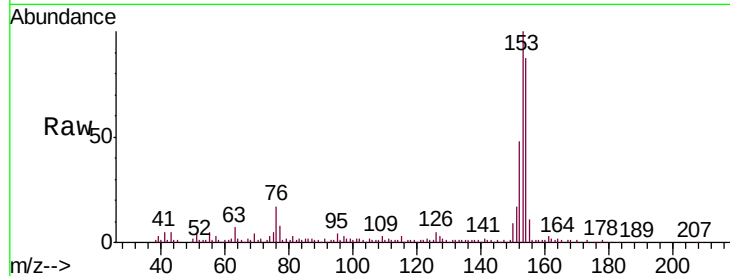
Tgt Ion:154 Resp: 99188

Ion Ratio Lower Upper

154 100

153 114.6 88.4 132.6

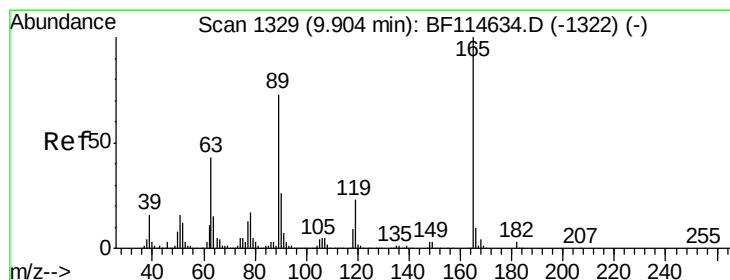
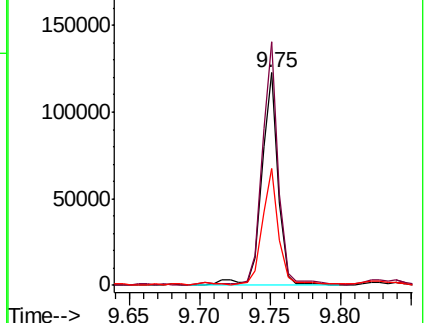
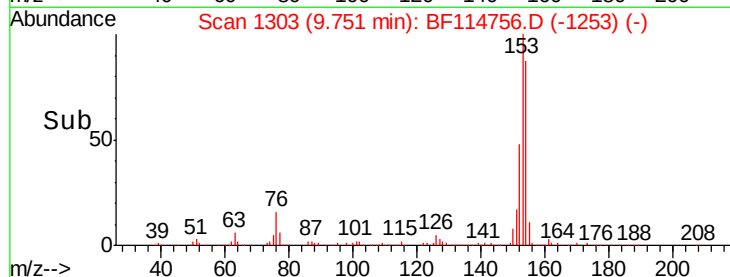
152 54.7 43.4 65.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 6.438 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.18 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Tgt Ion:165 Resp: 109538

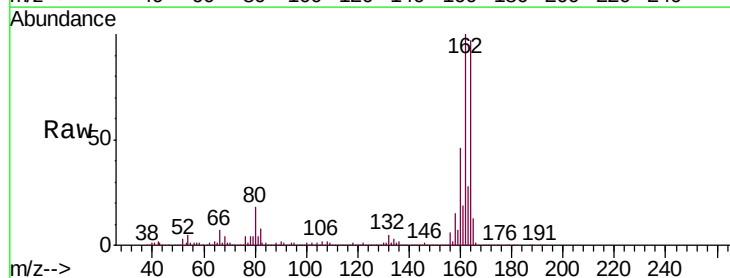
Ion Ratio Lower Upper

165 100

63 1.6 34.8 52.2#

89 1.9 58.5 87.7#

182 0.6 2.2 3.2#

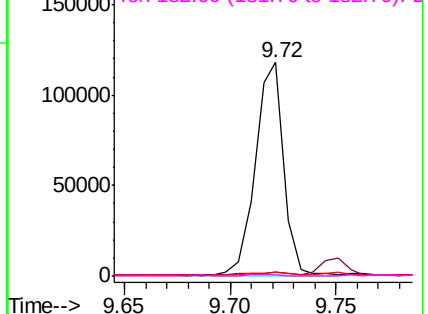
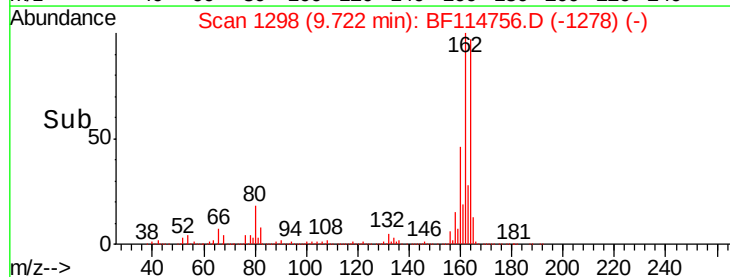


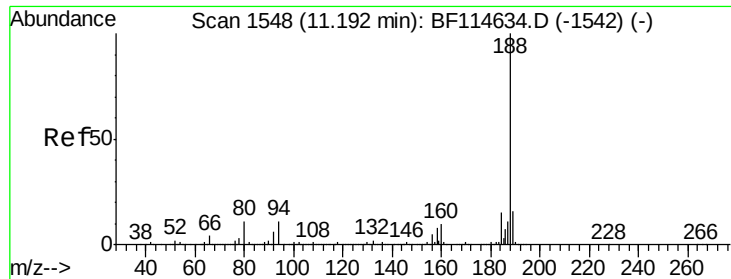
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.19 min Scan# 1548

Delta R.T. -0.00 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

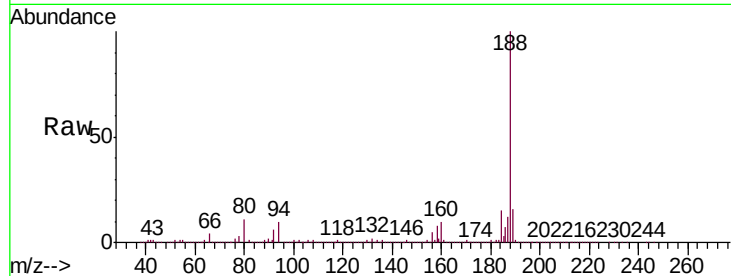
Tgt Ion:188 Resp: 1525759

Ion Ratio Lower Upper

188 100

94 10.3 8.6 13.0

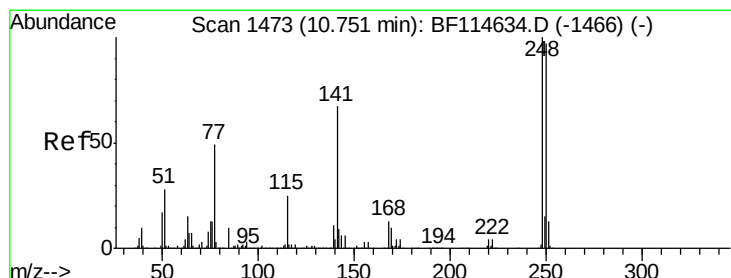
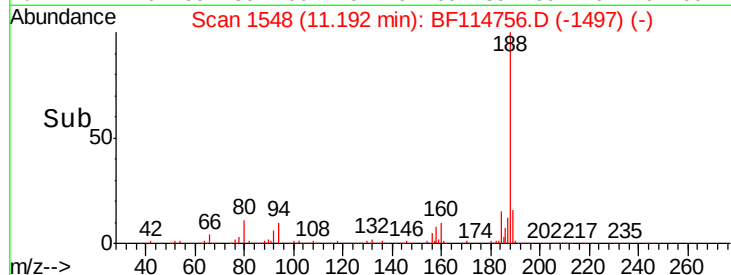
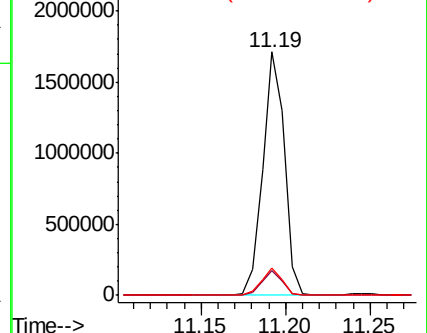
80 11.0 9.0 13.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 2.790 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.25 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

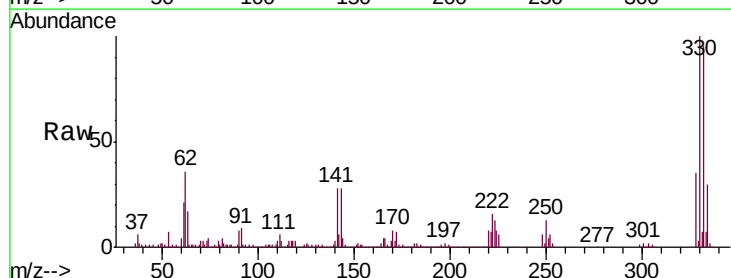
Tgt Ion:248 Resp: 45642

Ion Ratio Lower Upper

248 100

250 205.0 78.0 117.0#

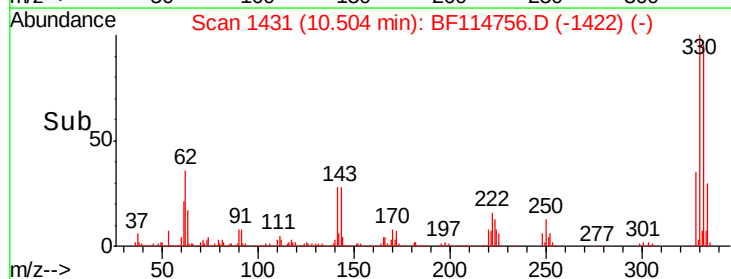
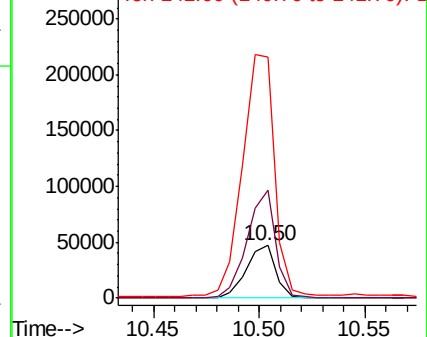
141 460.0 53.8 80.8#

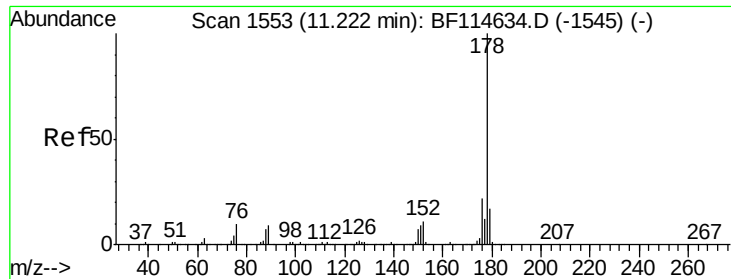


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 5.947 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.01 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

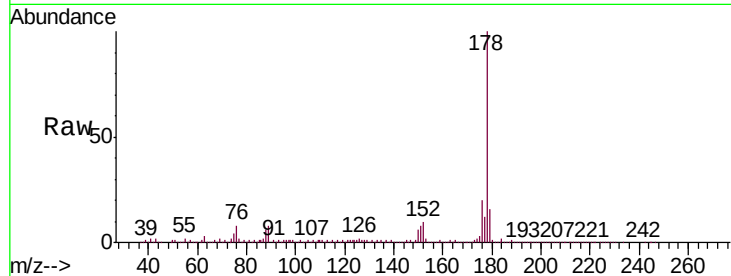
Tgt Ion:178 Resp: 462843

Ion Ratio Lower Upper

178 100

176 19.8 17.2 25.8

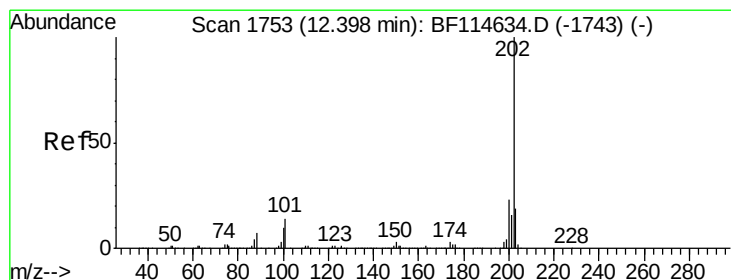
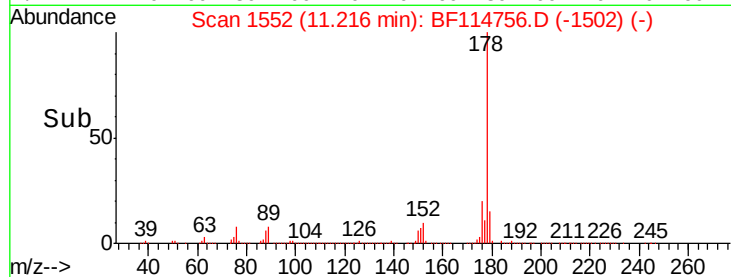
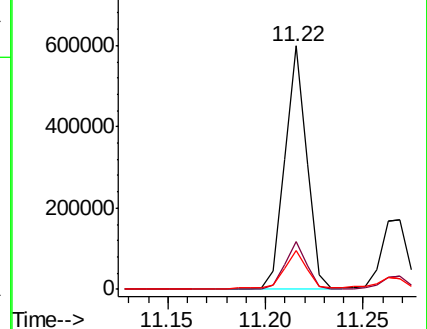
179 16.0 13.9 20.9



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



#75

Fluoranthene

Concen: 7.566 ng

RT: 12.40 min Scan# 1753

Delta R.T. 0.00 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

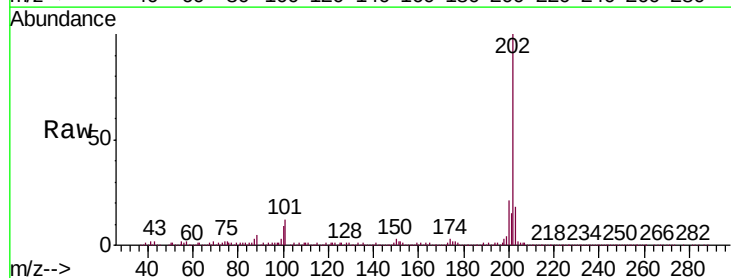
Tgt Ion:202 Resp: 609768

Ion Ratio Lower Upper

202 100

101 11.6 0.0 33.9

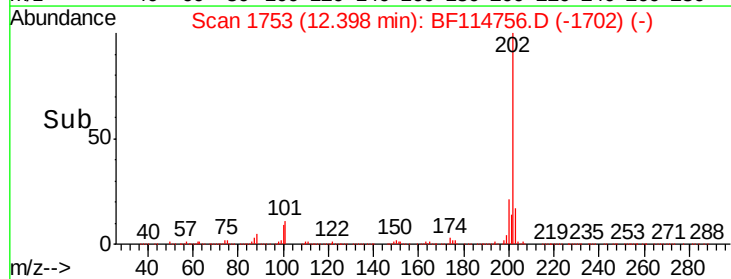
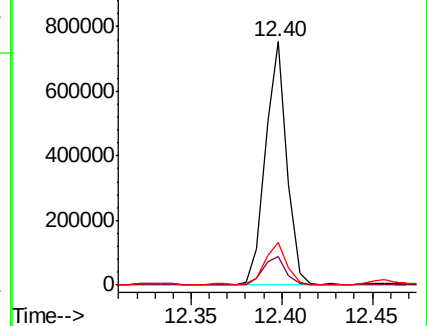
203 17.7 0.0 39.1

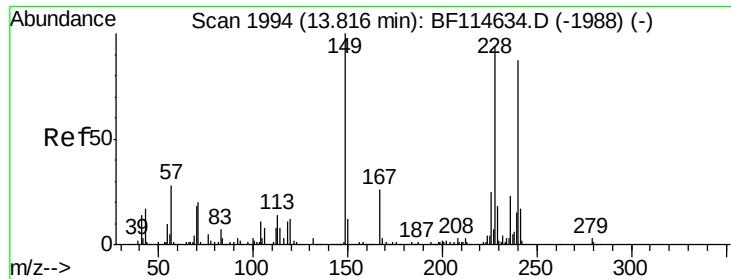


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

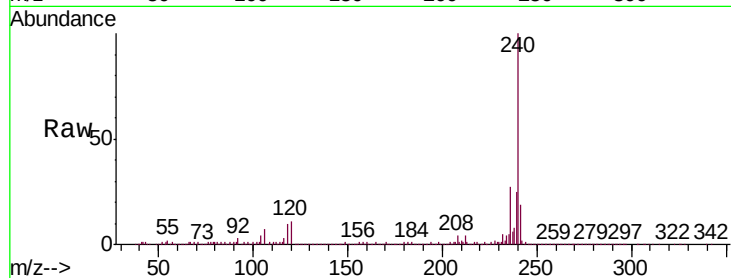




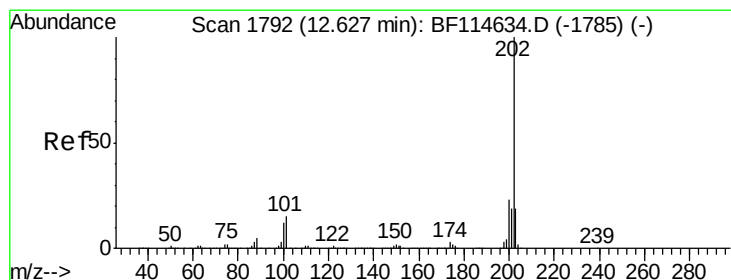
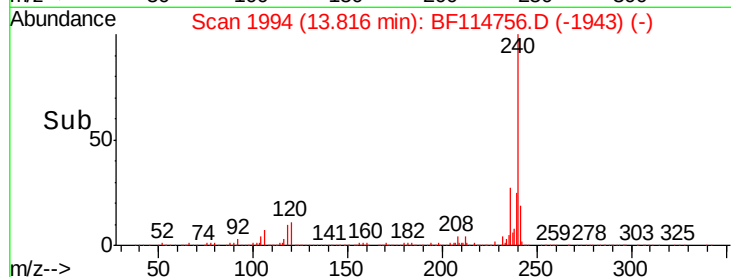
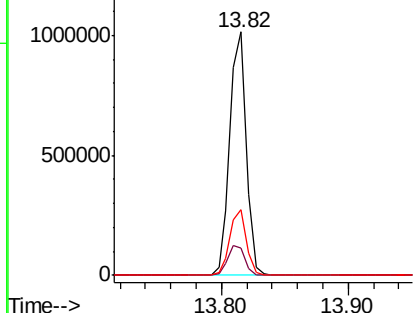
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114756.D
Acq: 1 Jun 2019 14:52

Instrument :
BNA_F
ClientSampleId :
TANK-3

Tgt Ion:240 Resp: 906900
Ion Ratio Lower Upper
240 100
120 11.1 11.2 16.8#
236 27.2 21.2 31.8

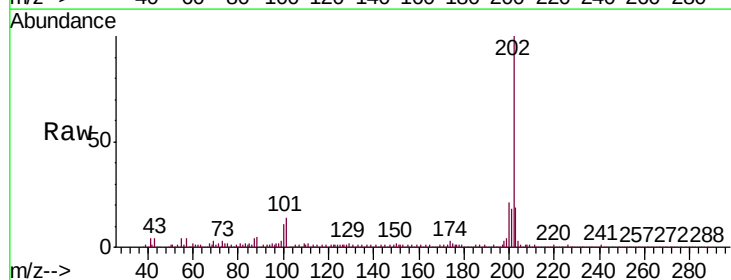


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

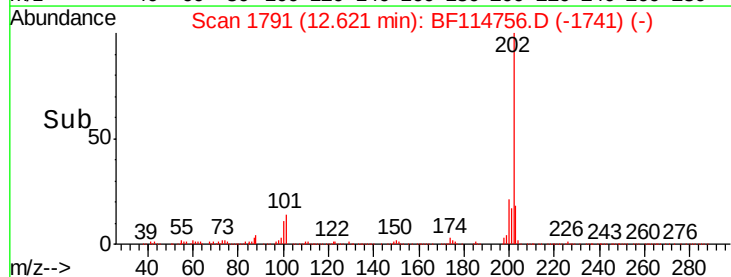
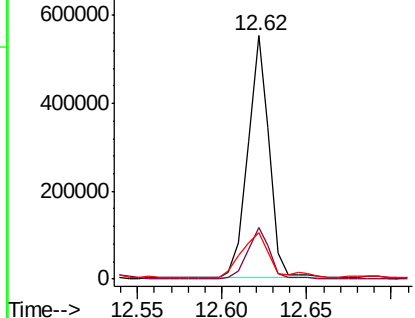


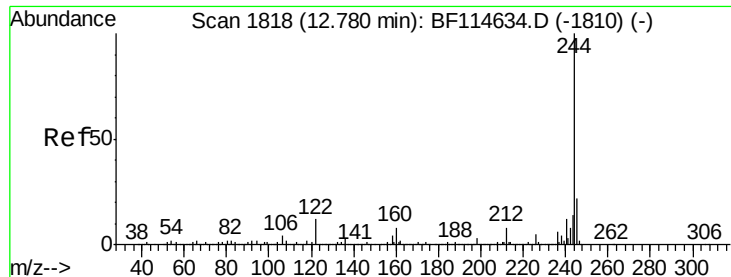
#78
Pyrene
Concen: 6.348 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114756.D
Acq: 1 Jun 2019 14:52

Tgt Ion:202 Resp: 486995
Ion Ratio Lower Upper
202 100
200 21.4 18.6 28.0
203 18.8 15.4 23.2



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: 68.842 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

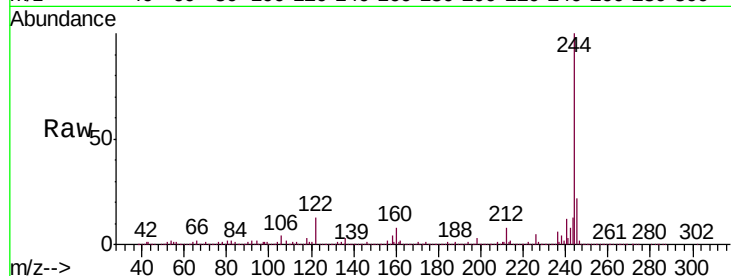
Tgt Ion:244 Resp: 3320630

Ion Ratio Lower Upper

244 100

212 7.8 6.1 9.1

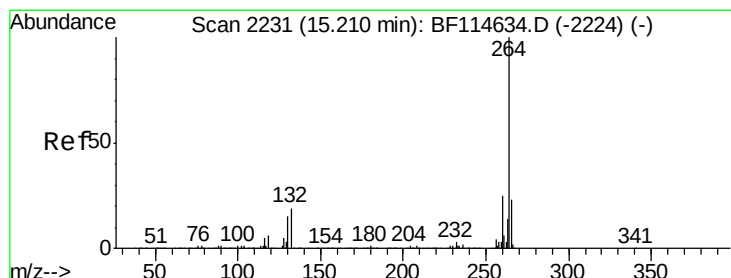
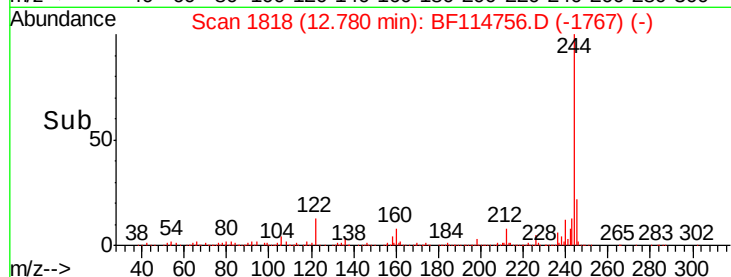
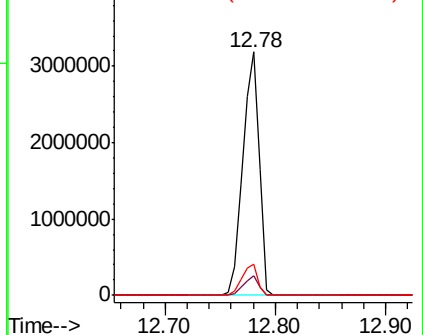
122 12.9 9.8 14.8



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

Perylene-d12

Concen: 20.000 ng

RT: 15.20 min Scan# 2230

Delta R.T. -0.01 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

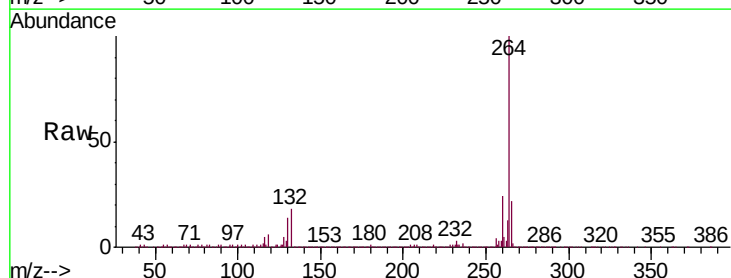
Tgt Ion:264 Resp: 1043710

Ion Ratio Lower Upper

264 100

260 24.2 19.7 29.5

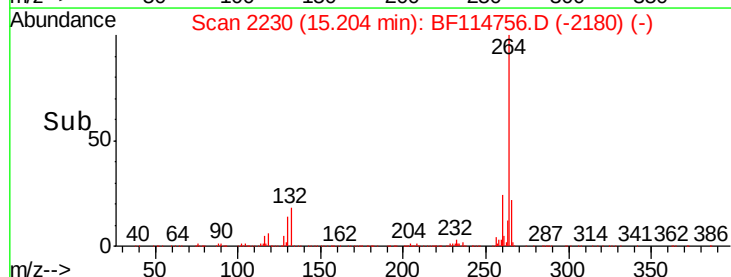
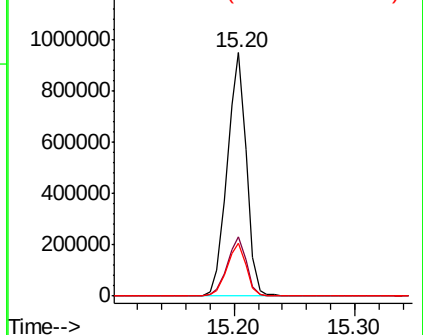
265 21.8 18.1 27.1

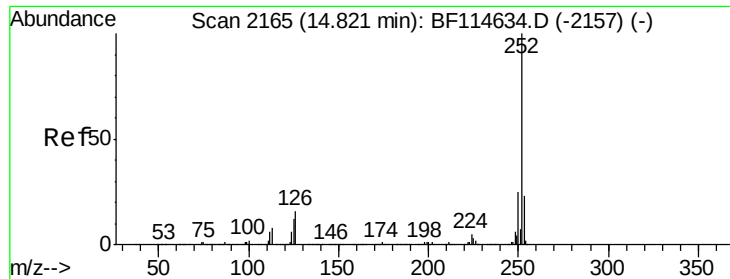


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 2.164 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.01 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

Instrument :

BNA_F

ClientSampleId :

TANK-3

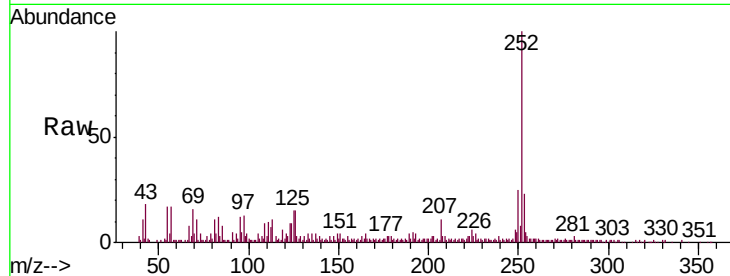
Tgt Ion:252 Resp: 142234

Ion Ratio Lower Upper

252 100

253 22.9 18.7 28.1

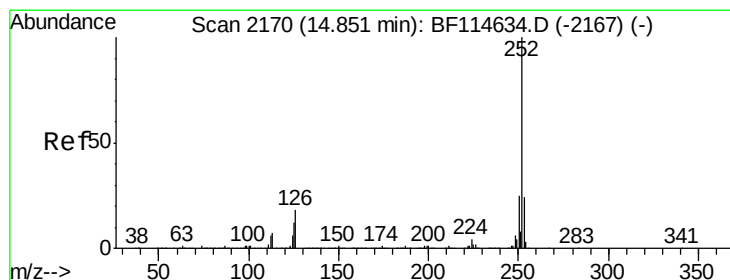
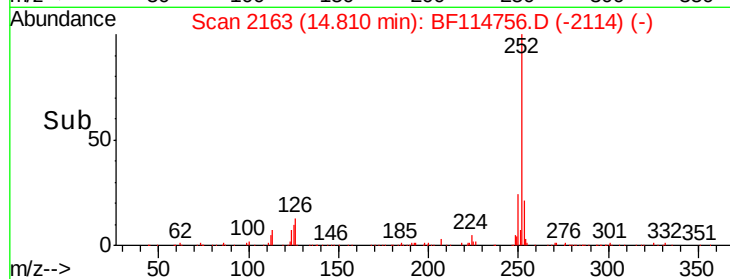
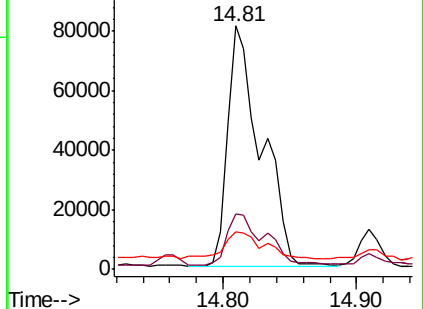
125 15.3 9.4 14.2#



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



#89

Benzo(k)fluoranthene

Concen: 2.489 ng

RT: 14.81 min Scan# 2163

Delta R.T. -0.04 min

Lab File: BF114756.D

Acq: 1 Jun 2019 14:52

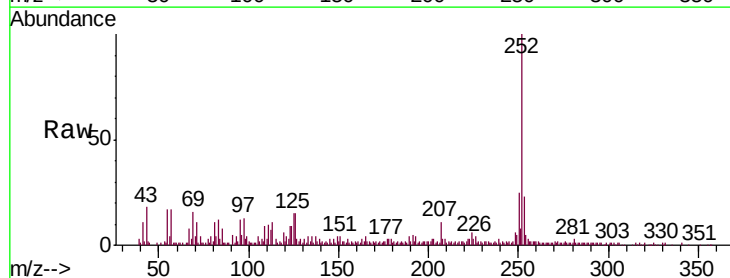
Tgt Ion:252 Resp: 142234

Ion Ratio Lower Upper

252 100

253 22.9 18.9 28.3

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

