

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF053019\
 Data File : BF114674.D
 Acq On : 30 May 2019 21:41
 Operator : HP/JU
 Sample : K3068-07
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 31 05:46:52 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	412369	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	1526740	20.00	ng	0.00
39) Acenaphthene-d10	9.72	164	718731	20.00	ng	0.00
64) Phenanthrene-d10	11.19	188	1209221	20.00	ng	0.00
76) Chrysene-d12	13.82	240	837916	20.00	ng	0.00
87) Perylene-d12	15.20	264	804483	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	2177804	92.72	ng	0.01
7) Phenol-d6	6.33	99	2660910	94.01	ng	0.00
23) Nitrobenzene-d5	7.25	82	1664981	68.04	ng	0.00
42) 2,4,6-Tribromophenol	10.50	330	548876	80.15	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	2738161	68.45	ng	0.00
79) Terphenyl-d14	12.77	244	2216037	49.72	ng	0.00

Target Compounds

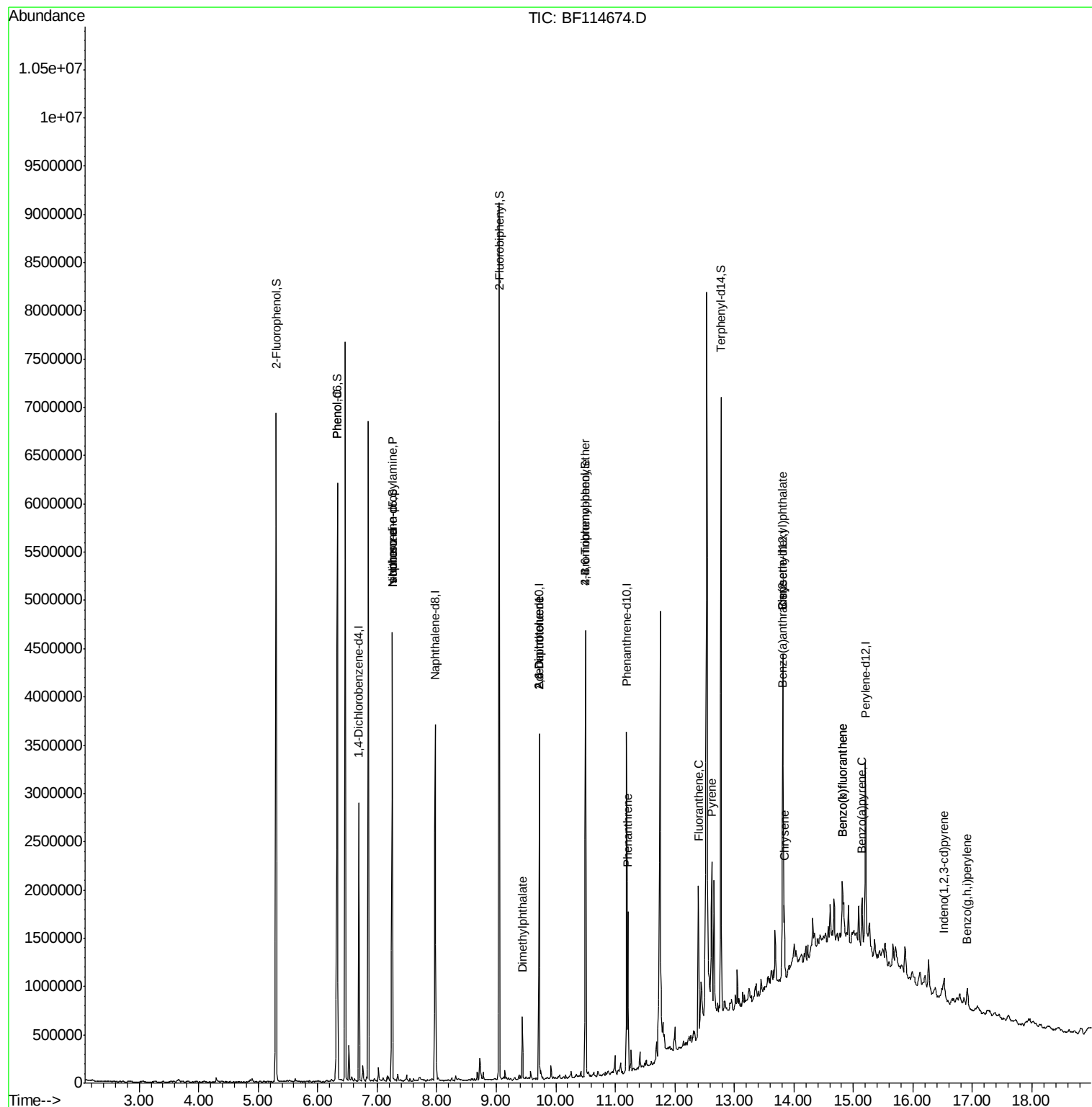
						Qvalue
9) Benzaldehyde	6.23	77	6900	Below Cal		87
10) Phenol	6.34	94	81887	2.395 ng		94
19) n-Nitroso-di-n-propylamine	7.25	70	226604	11.599 ng	#	76
25) Isophorone	7.25	82	1624194	33.072 ng	#	63
50) Dimethylphthalate	9.44	163	236586	4.724 ng		99
51) 2,6-Dinitrotoluene	9.72	165	95317	8.191 ng	#	31
57) 2,4-Dinitrotoluene	9.72	165	95317	6.382 ng	#	24
58) Fluorene	10.26	166	17637	Below Cal		94
67) 4-Bromophenyl-phenylether	10.50	248	35313	2.723 ng	#	1
71) Phenanthrene	11.22	178	548149	8.886 ng		96
74) Di-n-butylphthalate	11.77	149	112462	Below Cal		97
75) Fluoranthene	12.40	202	631557	9.888 ng		96
78) Pvrene	12.62	202	554064	7.817 ng		97
81) Benzo(a)anthracene	13.80	228	249747	3.879 ng		97
83) Chrysene	13.84	228	266374	4.330 ng		96
84) Bis(2-ethylhexyl)phthalate	13.82	149	273070	6.201 ng		98
86) Indeno(1,2,3-cd)pyrene	16.52	276	125974	2.045 ng		96
88) Benzo(b)fluoranthene	14.82	252	440052	8.685 ng	#	95
89) Benzo(k)fluoranthene	14.82	252	440052	9.992 ng	#	95
90) Benzo(a)pyrene	15.14	252	215193	4.834 ng	#	92
92) Benzo(a,h,i)perylene	16.92	276	160791	4.212 ng		95

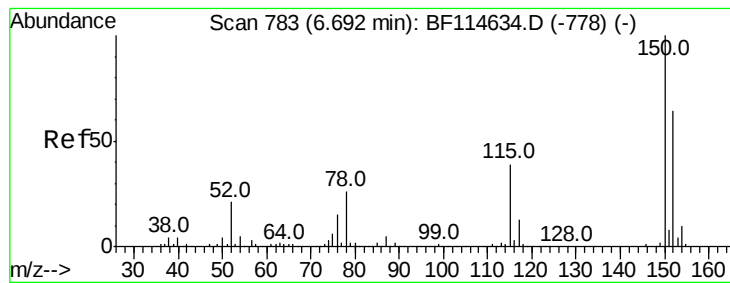
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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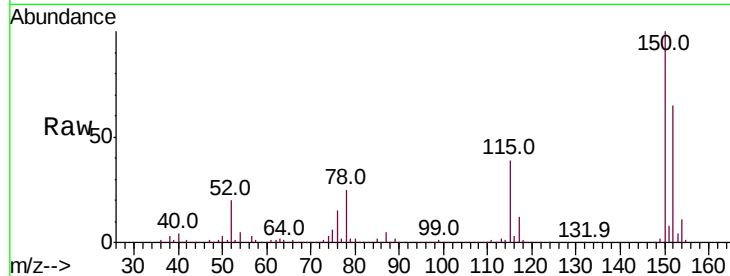


#1

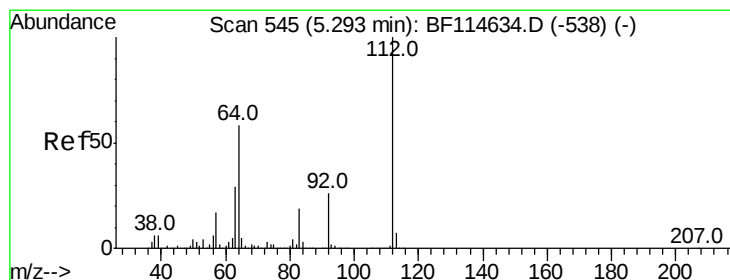
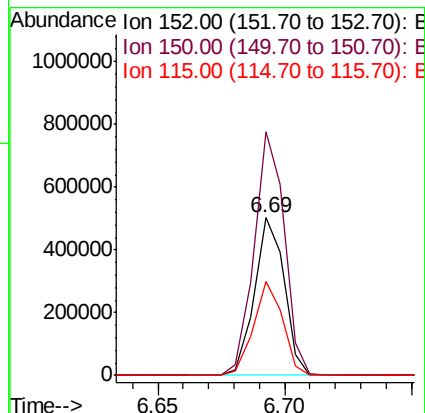
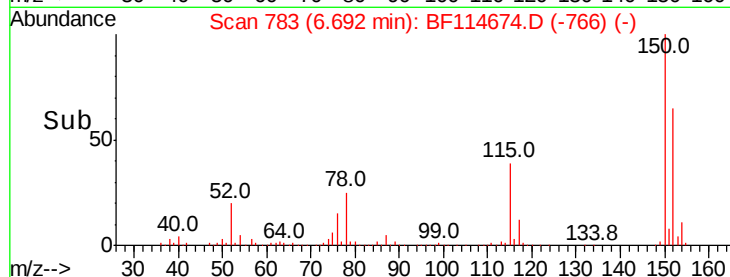
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.00 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 412369
Ion Ratio Lower Upper
152 100
150 154.8 124.4 186.6
115 60.0 48.7 73.1



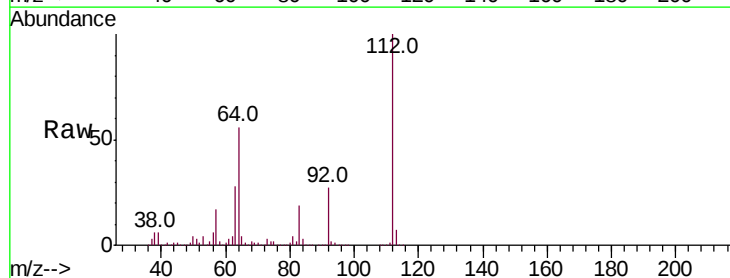
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



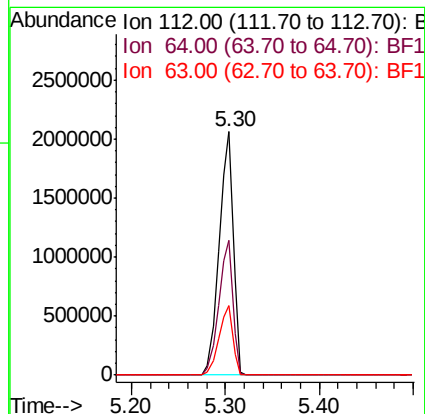
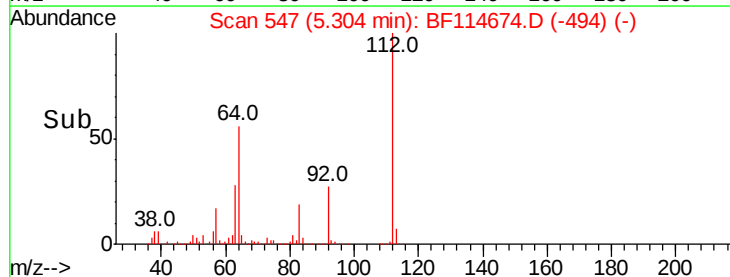
#5

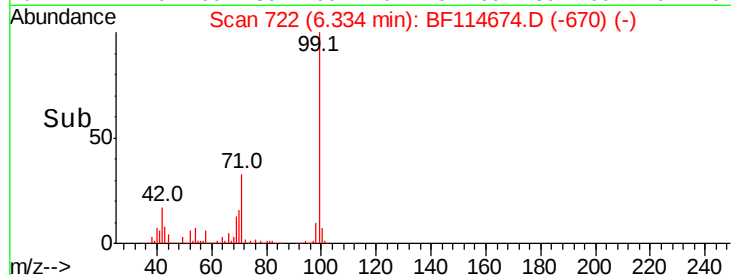
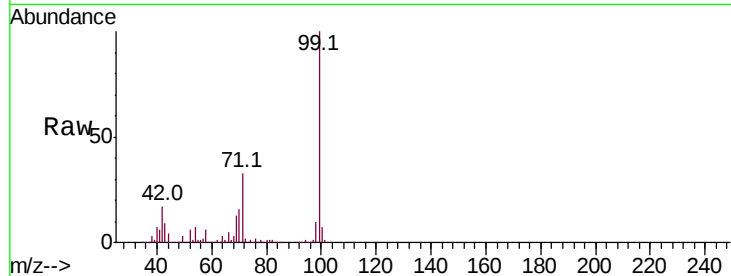
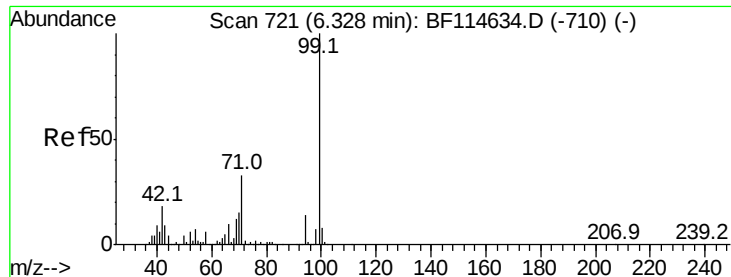
2-Fluorophenol
Concen: 92.723 ng
RT: 5.30 min Scan# 547
Delta R.T. 0.01 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Tgt Ion:112 Resp: 2177804
Ion Ratio Lower Upper
112 100
64 55.6 46.1 69.1
63 28.5 23.4 35.2



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: 94.015 ng

RT: 6.33 min Scan# 722

Delta R.T. 0.01 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Instrument :

BNA_F

ClientSampled :

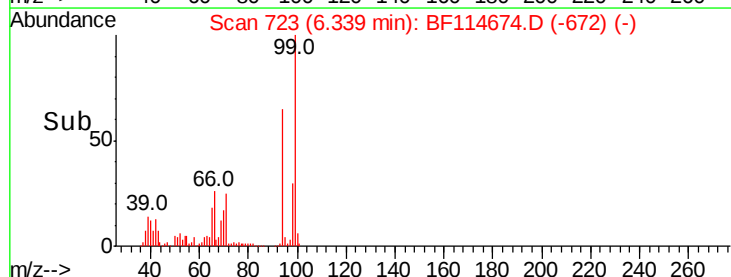
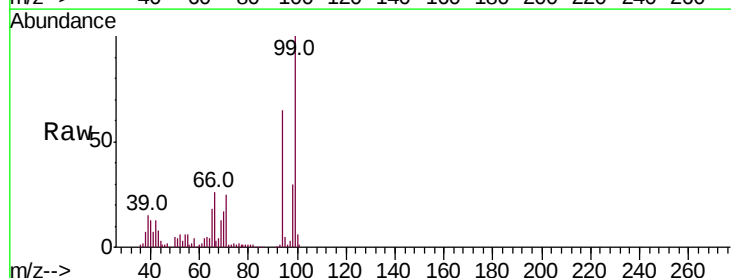
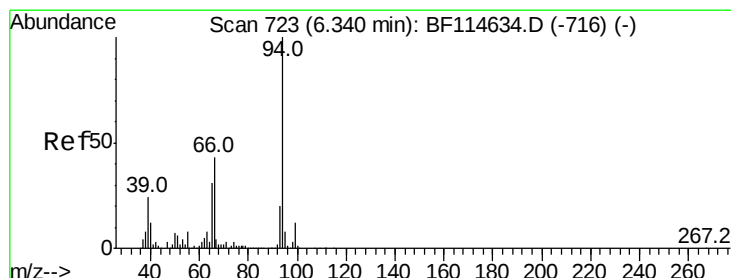
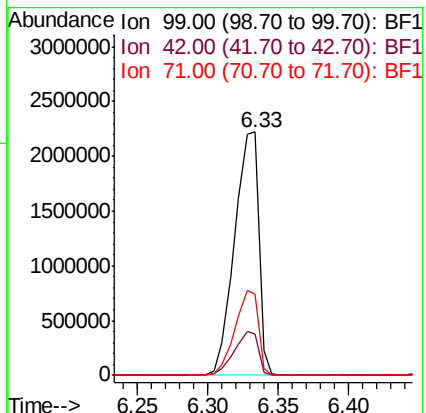
Tot Ion: 99 Resp: 2660910

Ion Ratio Lower Upper

99 100

42 16.9 14.7 22.1

71 33.3 26.6 40.0



#10

Phenol

Concen: 2.395 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.00 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

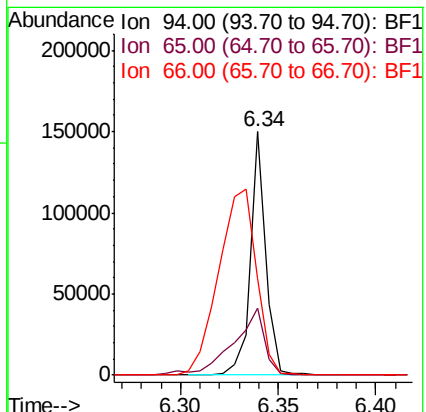
Tgt Ion: 94 Resp: 81887

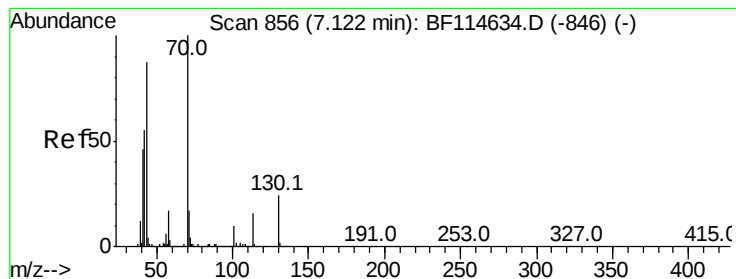
Ion Ratio Lower Upper

94 100

65 27.4 11.0 51.0

66 39.4 23.0 63.0





#19

n-Nitroso-di-n-propylamine

Concen: 11.599 ng

RT: 7.25 min Scan# 878

Delta R.T. 0.13 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 226604

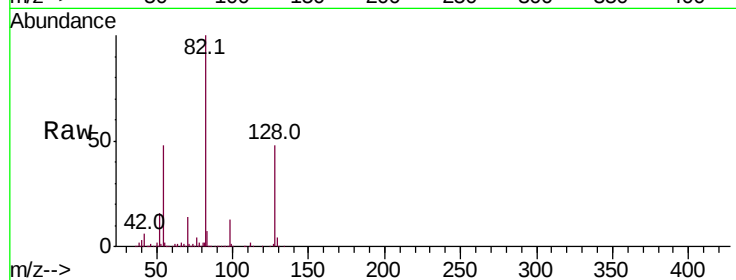
Ion Ratio Lower Upper

70 100

42 45.3 44.4 66.6

101 0.0 8.2 12.4#

130 2.3 19.4 29.0#

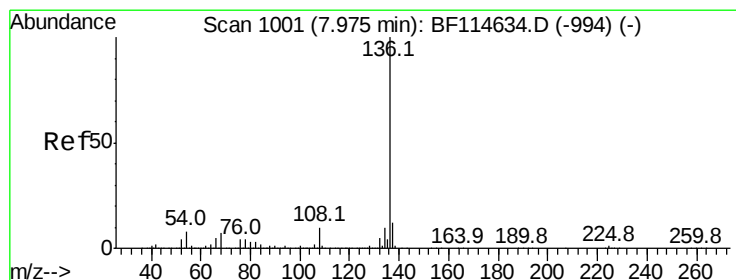
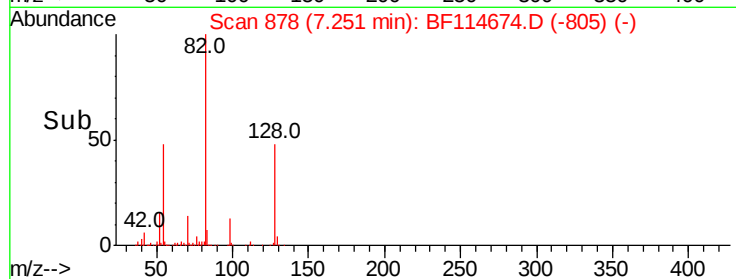
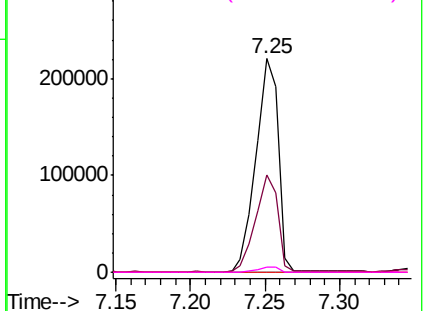


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF114674.D

Acq: 30 May 2019 21:41

Tgt Ion: 136 Resp: 1526740

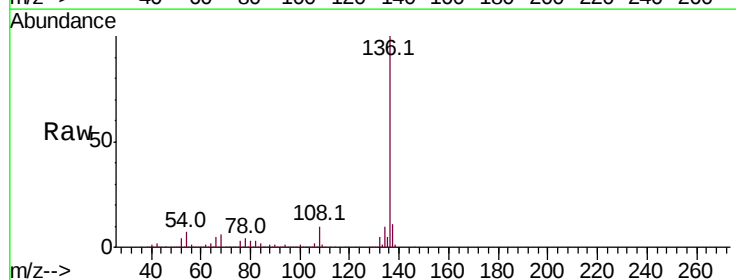
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 6.8 6.3 9.5

68 5.8 5.4 8.0

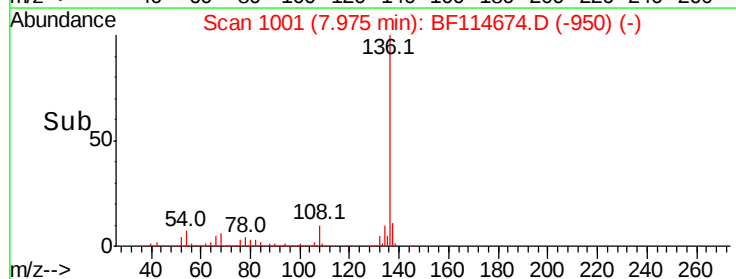
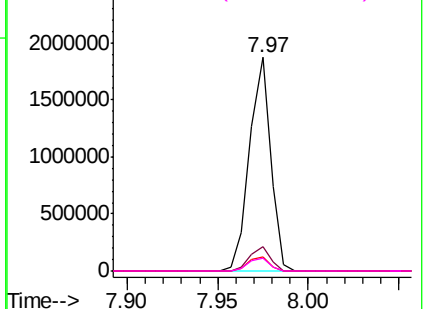


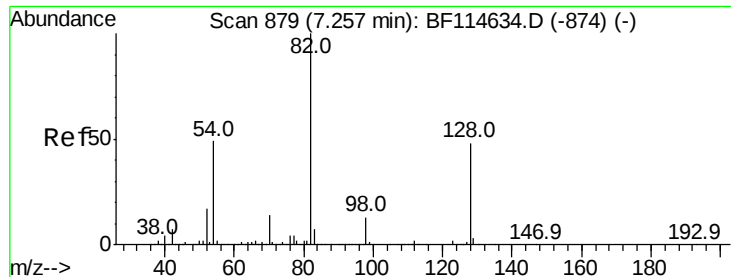
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

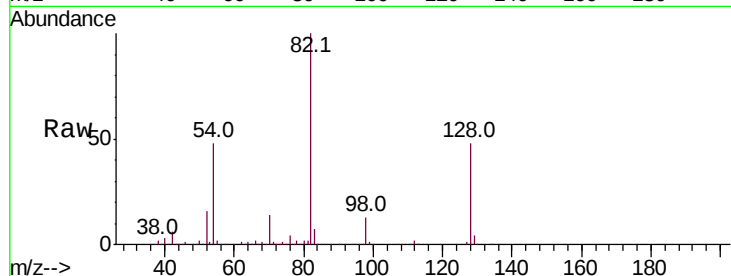




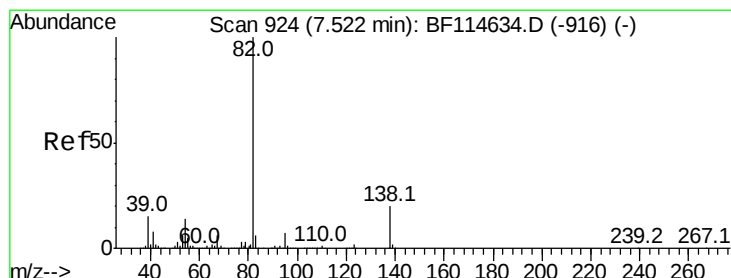
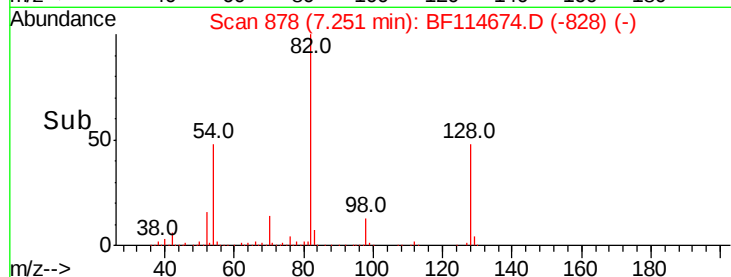
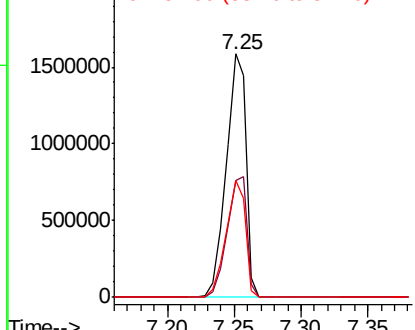
#23
Nitrobenzene-d5
Concen: 68.038 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 1664981
Ion Ratio Lower Upper
82 100
128 48.2 38.5 57.7
54 48.2 39.1 58.7

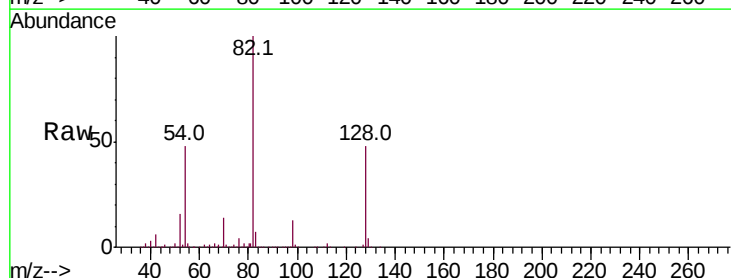


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

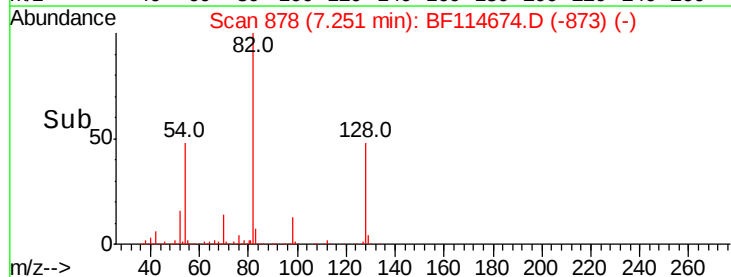
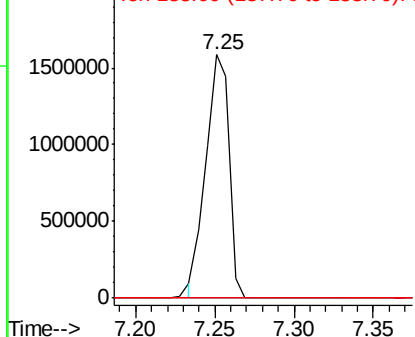


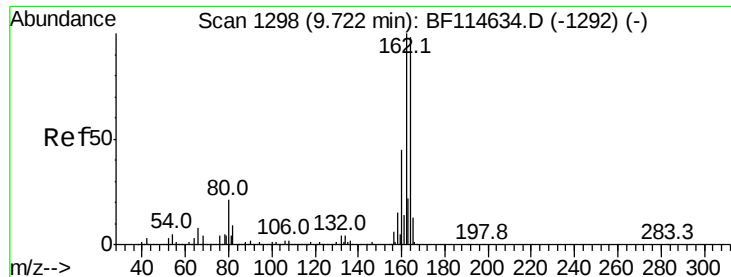
#25
Isophorone
Concen: 33.072 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.27 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Tgt Ion: 82 Resp: 1624194
Ion Ratio Lower Upper
82 100
95 0.0 5.6 8.4#
138 0.0 15.9 23.9#



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: 9.72 min Scan# 1298

Delta R.T. -0.00 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Instrument :

BNA_F

ClientSampled :

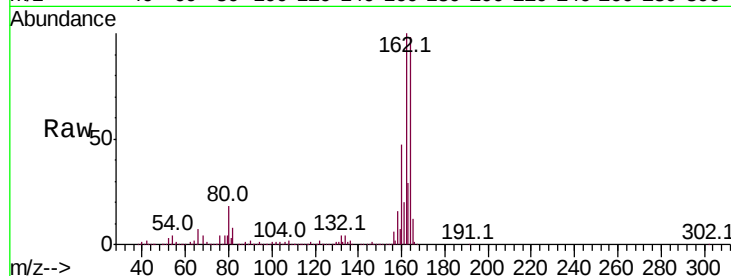
Tot Ion:164 Resp: 718731

Ion Ratio Lower Upper

164 100

162 102.0 81.4 122.2

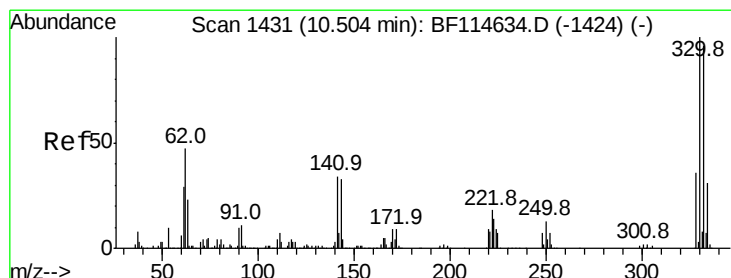
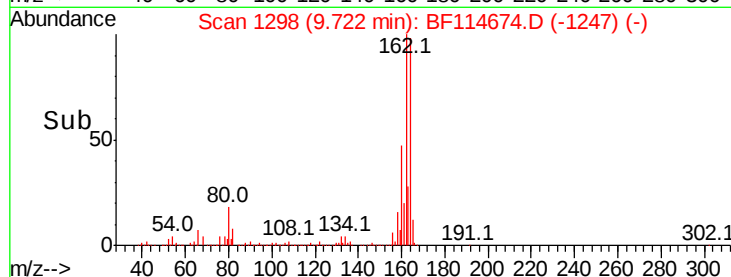
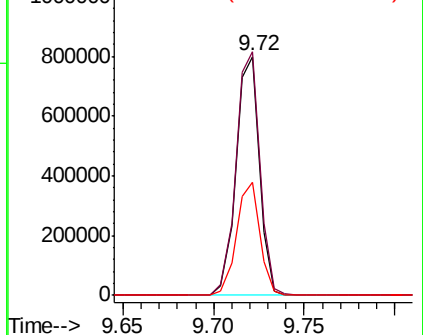
160 47.5 36.6 54.8



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: 80.147 ng

RT: 10.50 min Scan# 1430

Delta R.T. -0.01 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

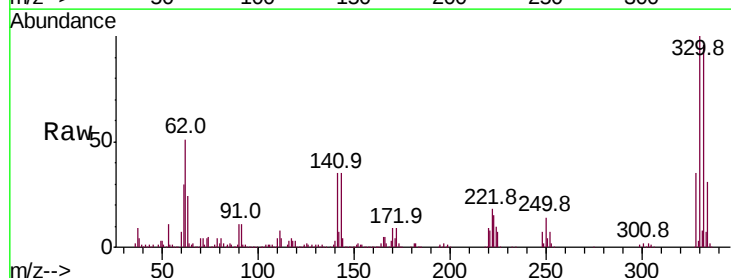
Tgt Ion:330 Resp: 548876

Ion Ratio Lower Upper

330 100

332 96.2 75.8 113.8

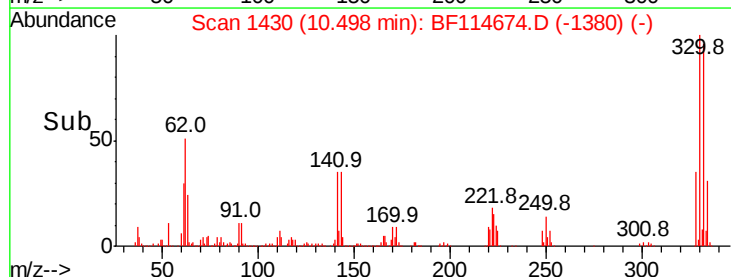
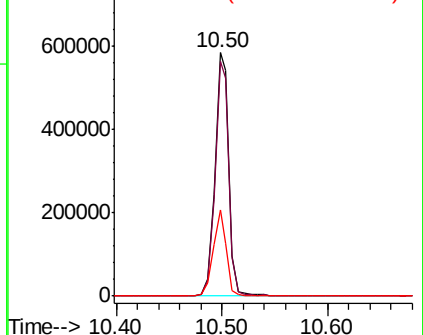
141 33.2 27.8 41.8

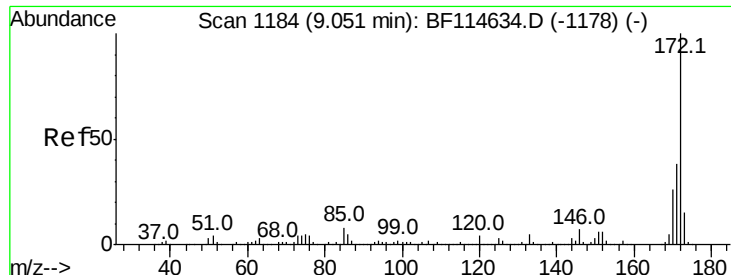


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

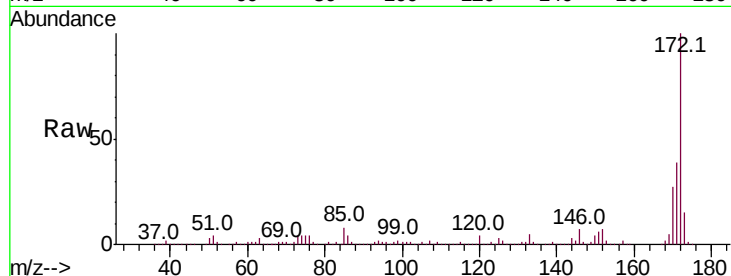




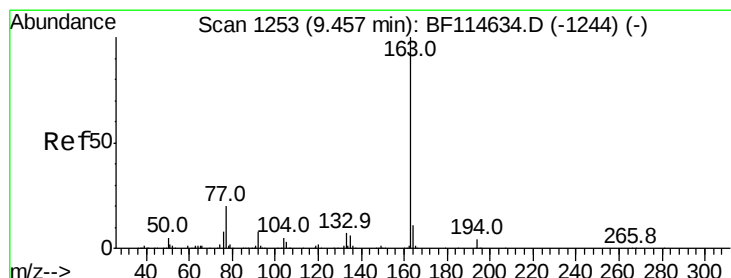
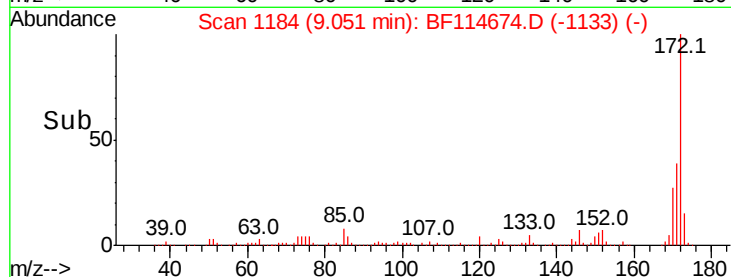
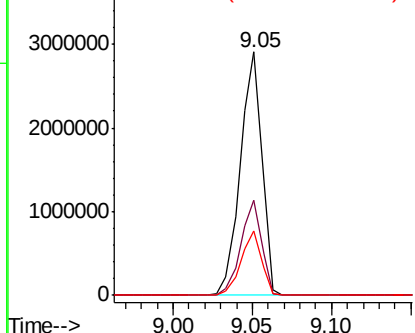
#45
2-Fluorobiphenyl
Concen: 68.449 ng
RT: 9.05 min Scan# 1184
Delta R.T. 0.00 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 2738161
Ion Ratio Lower Upper
172 100
171 39.0 30.6 45.8
170 26.6 20.7 31.1

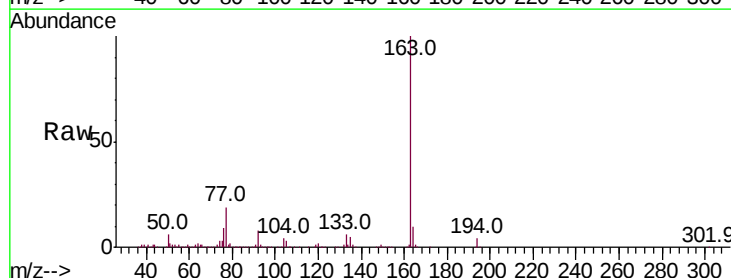


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

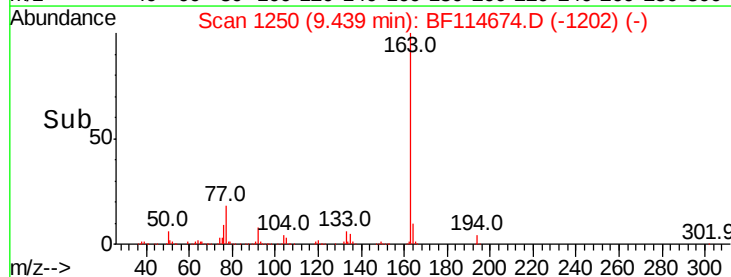
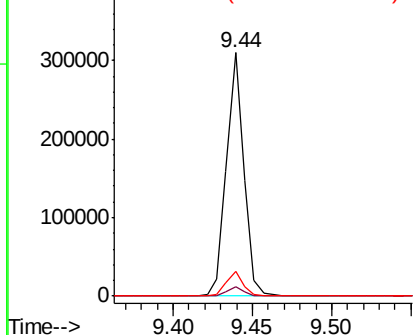


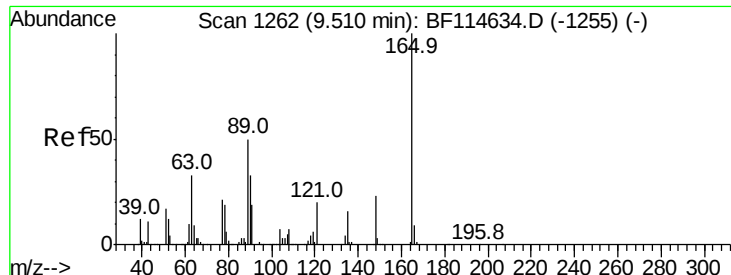
#50
Dimethylphthalate
Concen: 4.724 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.02 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Tgt Ion:163 Resp: 236586
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.0
164 10.4 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





#51

2,6-Dinitrotoluene

Concen: 8.191 ng

RT: 9.72 min Scan# 1298

Delta R.T. 0.21 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Instrument :

BNA_F

ClientSampleId :

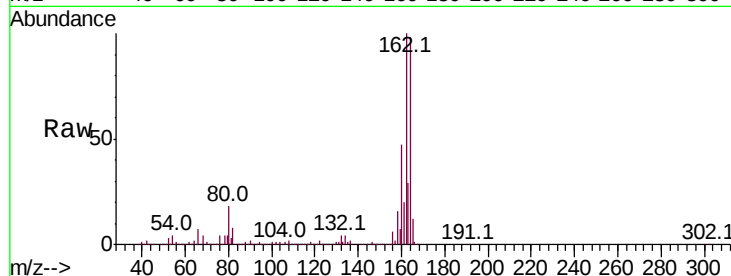
Tot Ion:165 Resp: 95317

Ion Ratio Lower Upper

165 100

63 1.5 36.6 54.8#

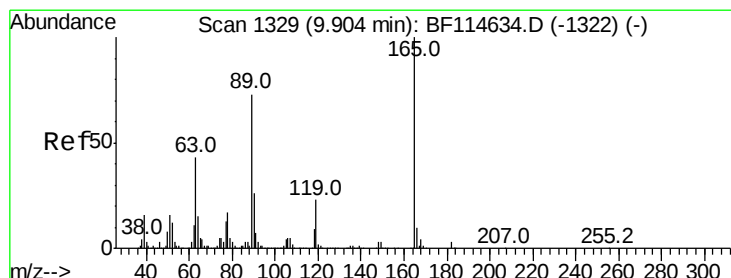
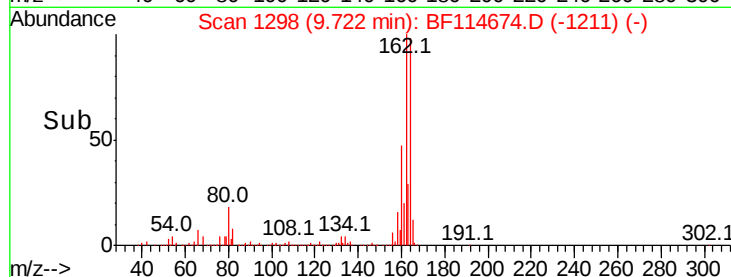
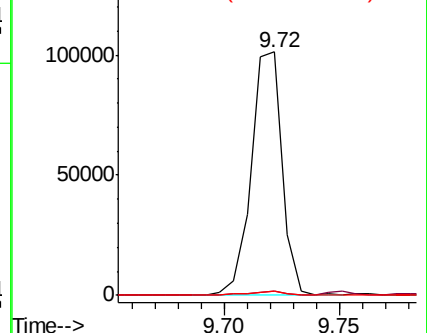
89 1.6 40.2 60.4#



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: 6.382 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.18 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Tgt Ion:165 Resp: 95317

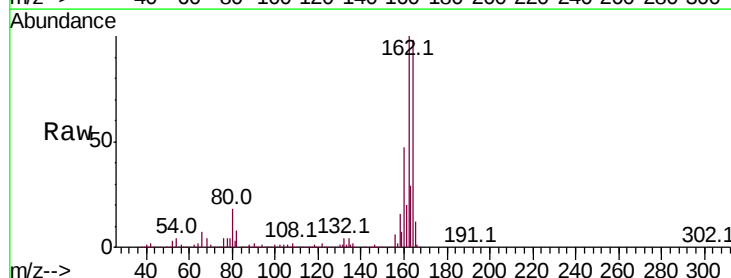
Ion Ratio Lower Upper

165 100

63 1.5 34.8 52.2#

89 1.6 58.5 87.7#

182 0.0 2.2 3.2#

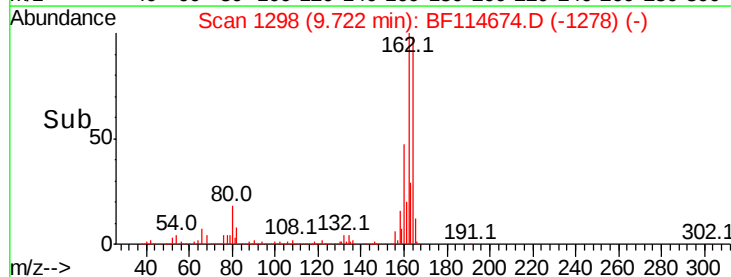
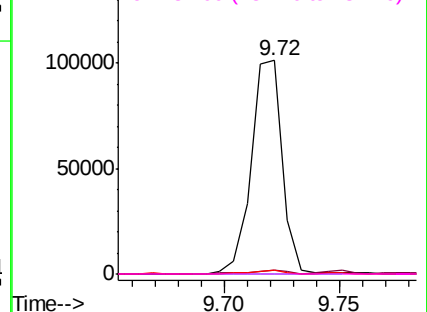


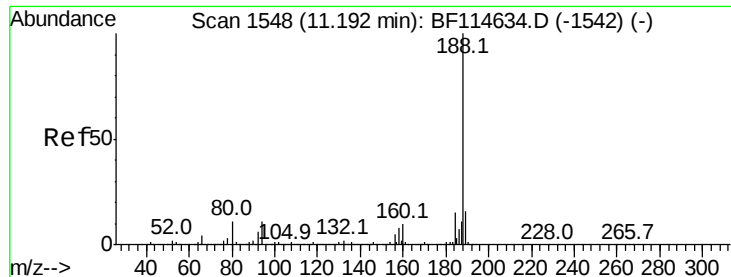
Abundance Ion 165.00 (164.70 to 165.70): E

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

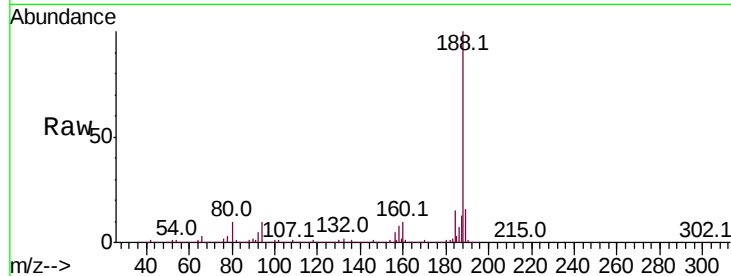




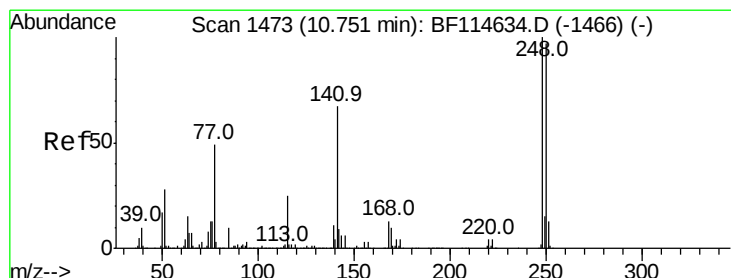
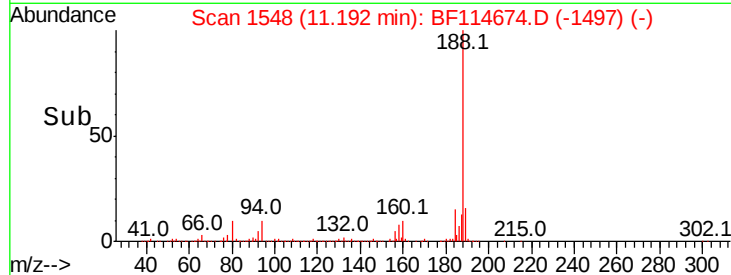
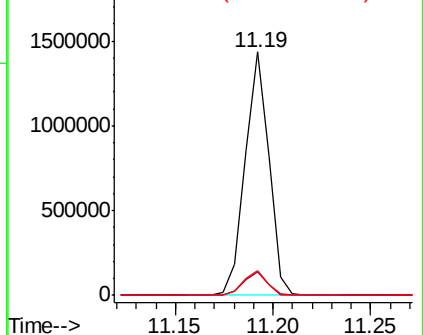
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.00 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 1209221
Ion Ratio Lower Upper
188 100
94 9.7 8.6 13.0
80 10.2 9.0 13.6

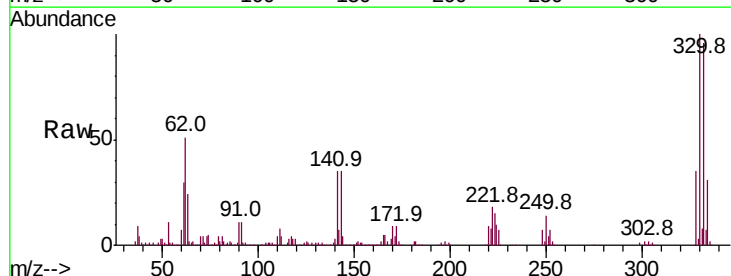


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

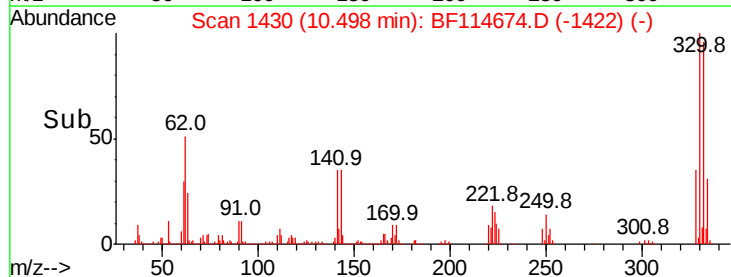
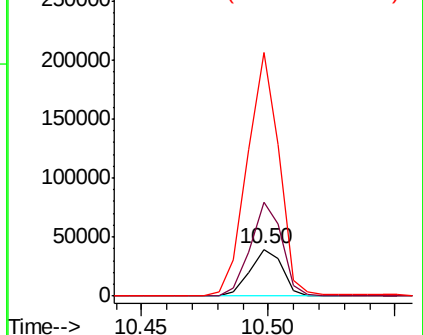


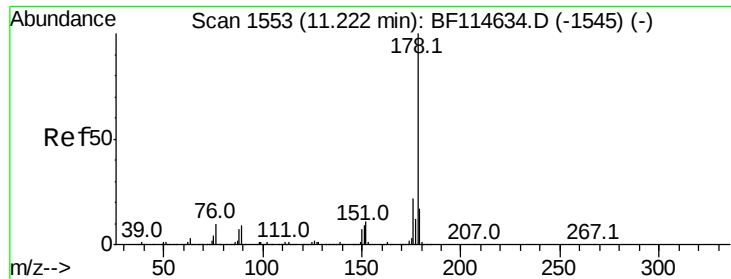
#67
4-Bromophenyl-phenylether
Concen: 2.723 ng
RT: 10.50 min Scan# 1430
Delta R.T. -0.25 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Tgt Ion:248 Resp: 35313
Ion Ratio Lower Upper
248 100
250 200.0 78.0 117.0#
141 519.4 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

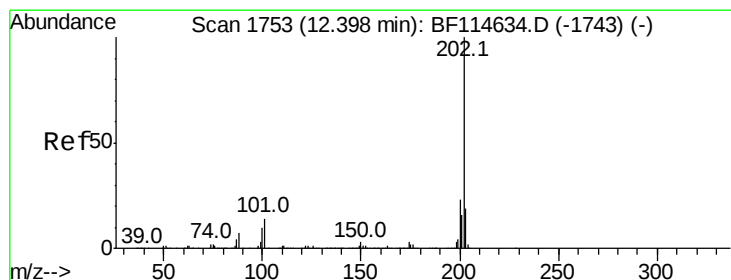
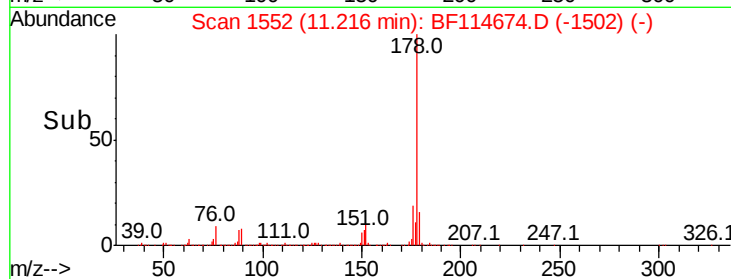
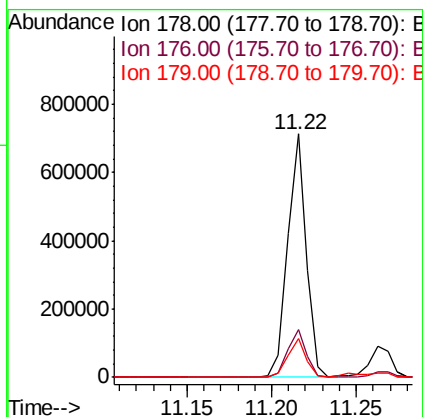
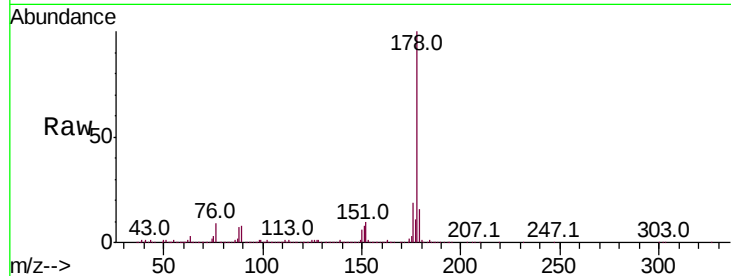




#71
Phenanthrene
Concen: 8.886 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

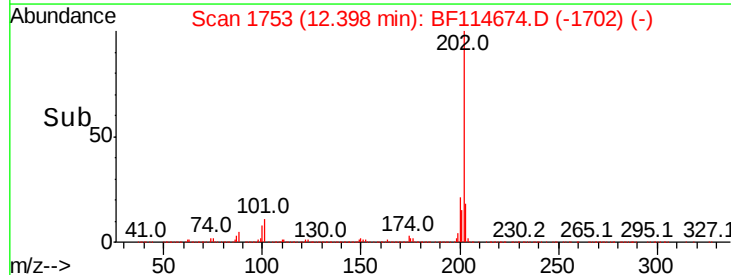
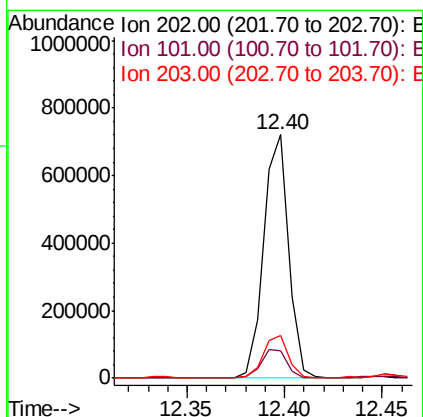
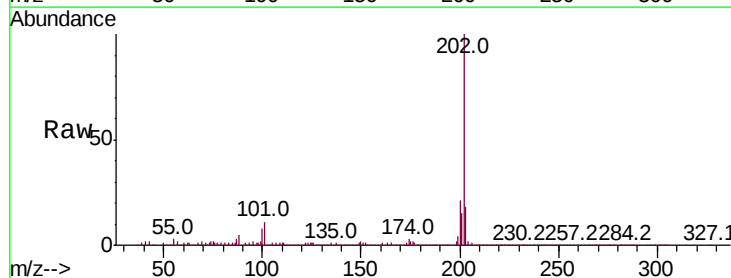
Instrument :
BNA_F
ClientSampled :

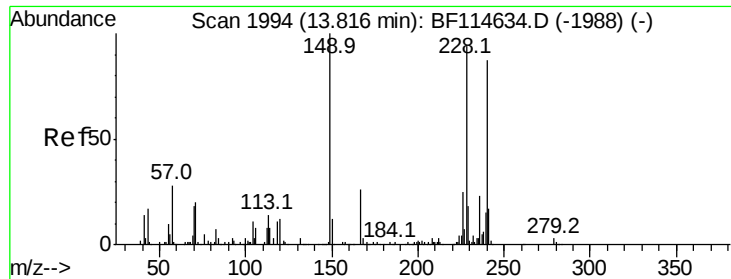
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	17.2	25.8
179	15.8	13.9	20.9



#75
Fluoranthene
Concen: 9.888 ng
RT: 12.40 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	33.9
203	17.7	0.0	39.1

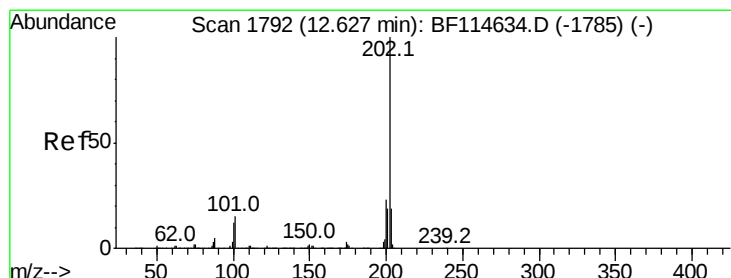
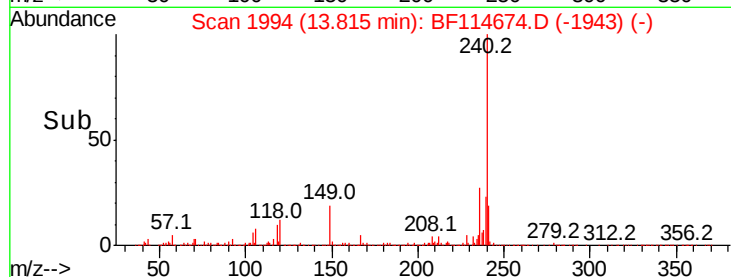
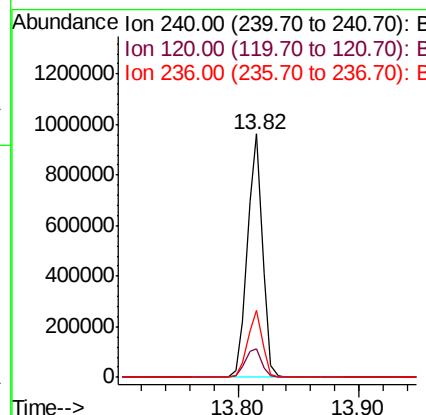
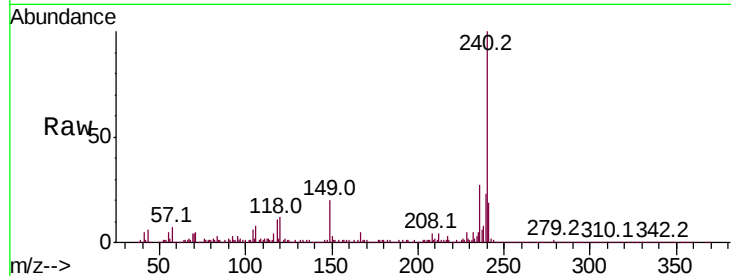




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.82 min Scan# 1994
Delta R.T. -0.00 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

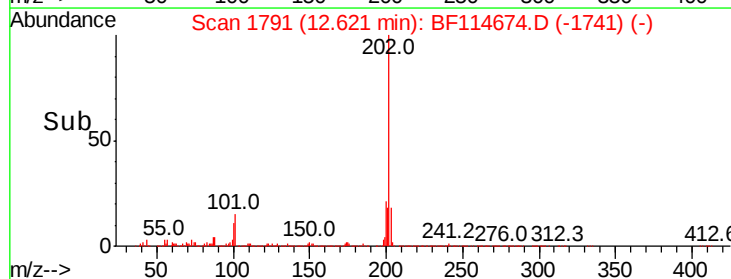
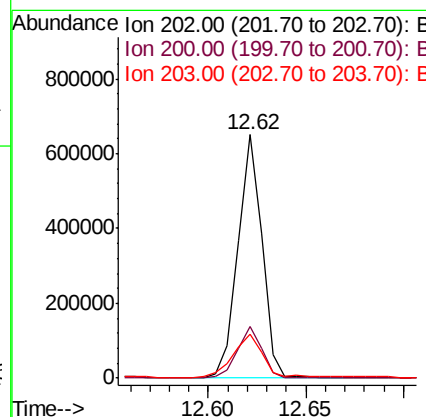
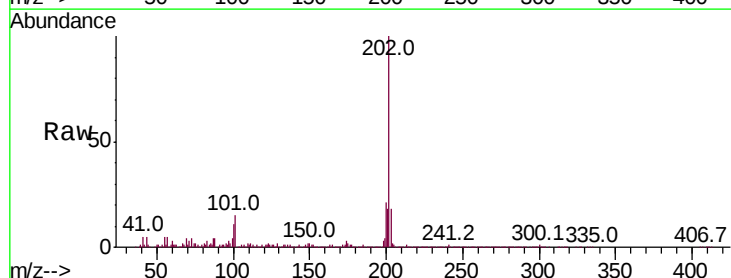
Instrument :
BNA_F
ClientSampleId :

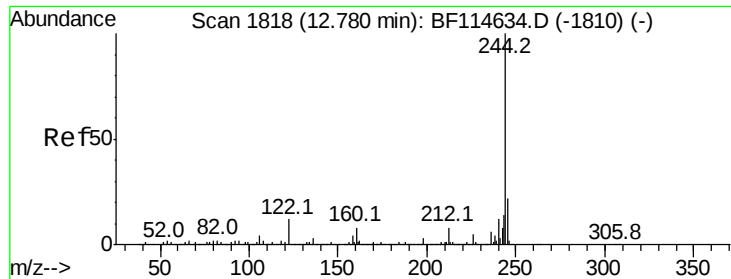
Tot Ion:240 Resp: 837916
Ion Ratio Lower Upper
240 100
120 11.9 11.2 16.8
236 27.3 21.2 31.8



#78
Pyrene
Concen: 7.817 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Tgt Ion:202 Resp: 554064
Ion Ratio Lower Upper
202 100
200 21.2 18.6 28.0
203 18.3 15.4 23.2





#79

Terphenyl-d14

Concen: 49.724 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Instrument :

BNA_F

ClientSampleId :

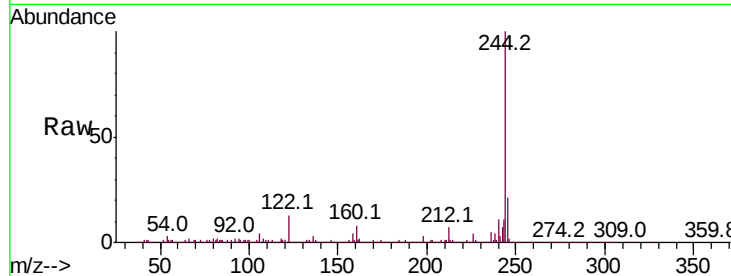
Tot Ion:244 Resp: 2216037

Ion Ratio Lower Upper

244 100

212 7.0 6.1 9.1

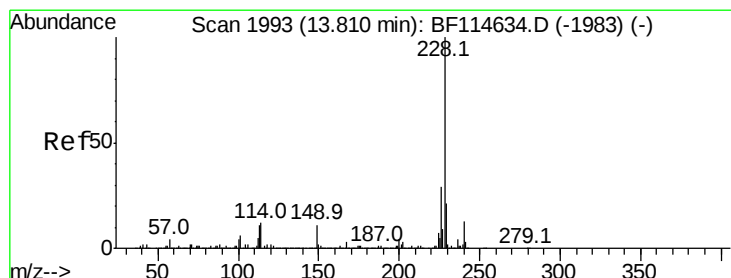
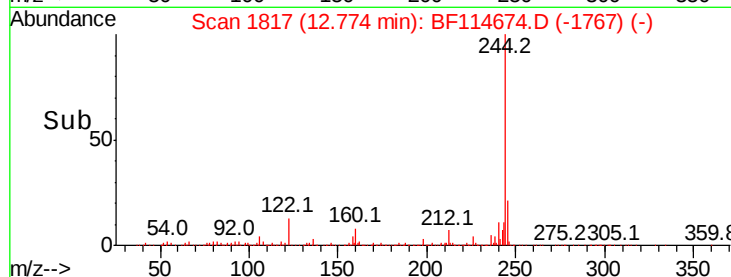
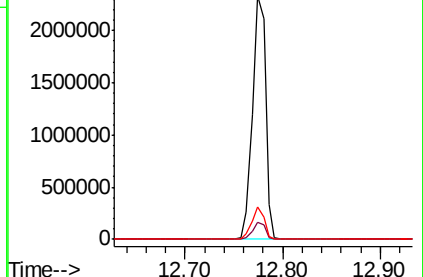
122 13.1 9.8 14.8



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



#81

Benzo(a)anthracene

Concen: 3.879 ng

RT: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

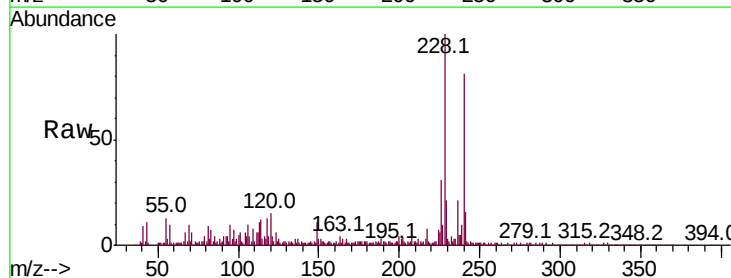
Tgt Ion:228 Resp: 249747

Ion Ratio Lower Upper

228 100

226 31.2 23.0 34.6

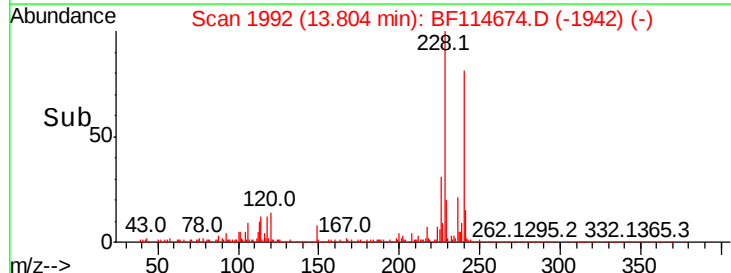
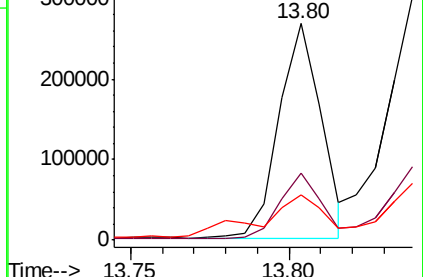
229 21.1 17.0 25.4

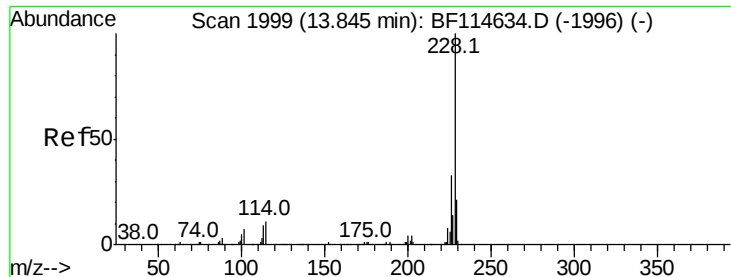


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.330 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Instrument :

BNA_F

ClientSampleId :

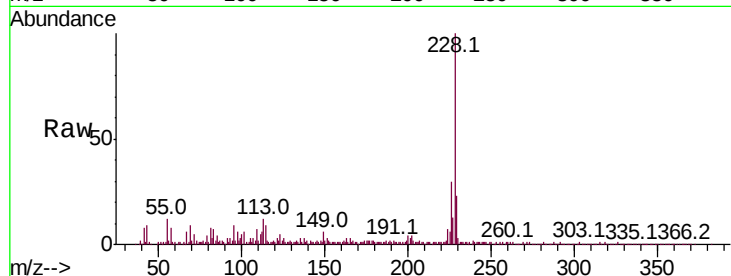
Tot Ion:228 Resp: 266374

Ion Ratio Lower Upper

228 100

226 30.4 26.4 39.6

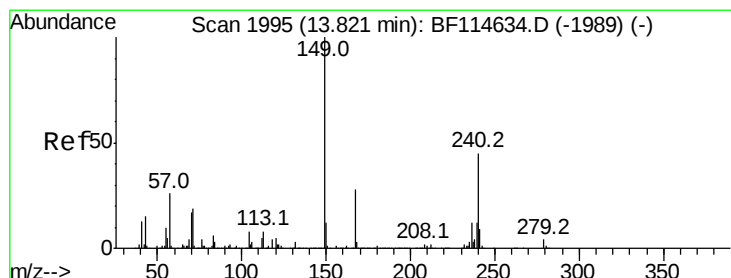
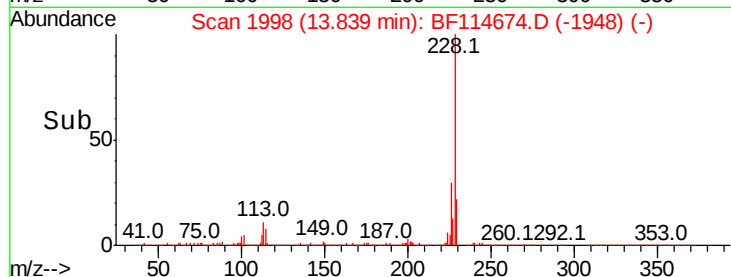
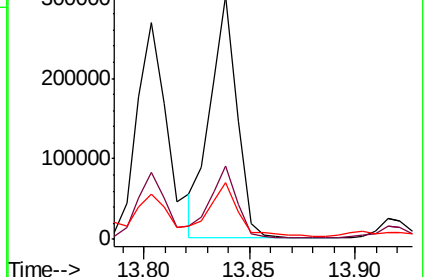
229 23.4 17.1 25.7



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.201 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.00 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

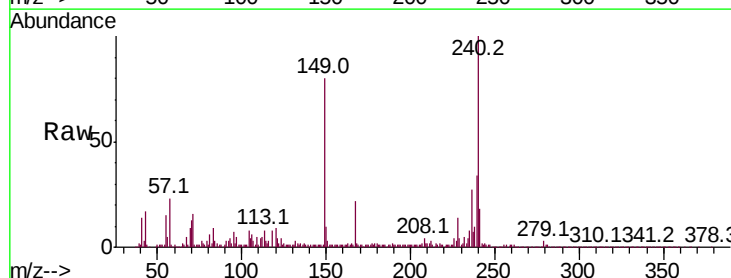
Tgt Ion:149 Resp: 273070

Ion Ratio Lower Upper

149 100

167 27.3 22.6 33.8

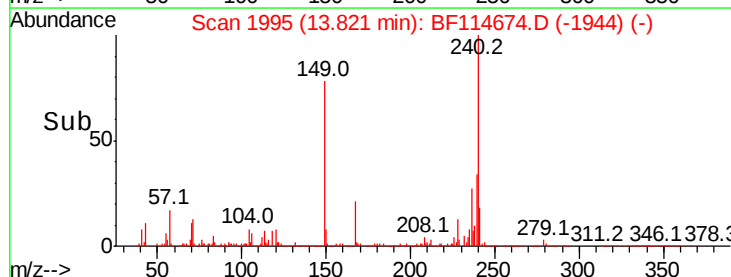
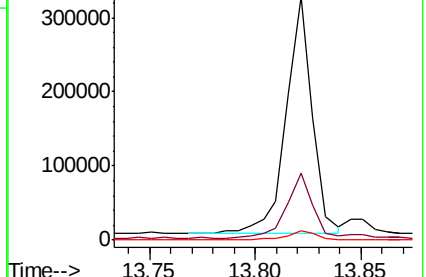
279 3.7 3.0 4.4

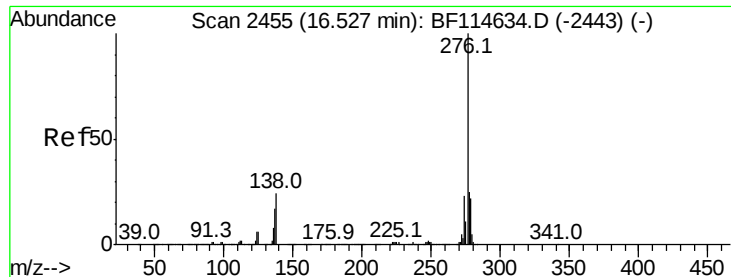


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

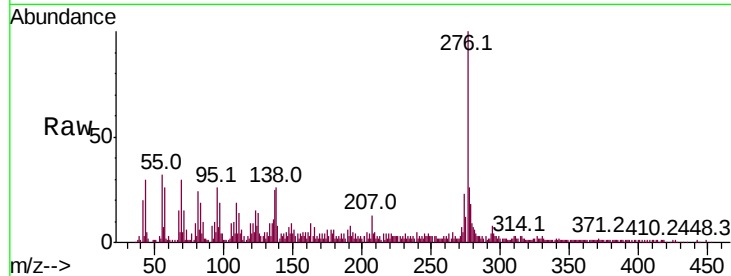




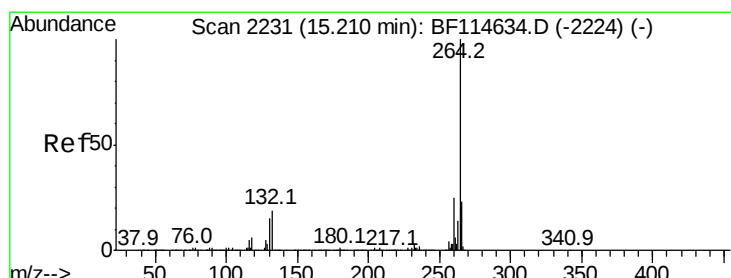
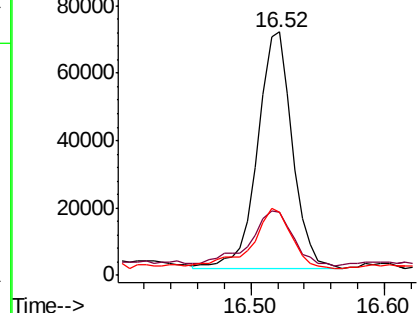
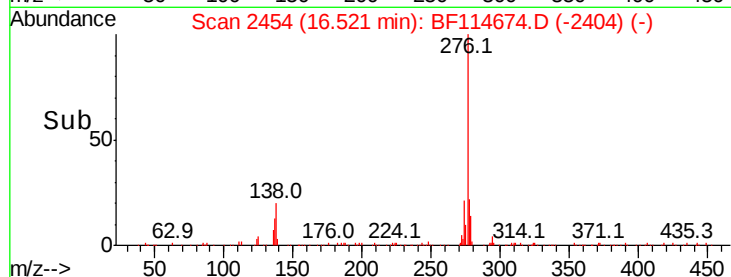
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.045 ng
 RT: 16.52 min Scan# 2454
 Delta R.T. -0.01 min
 Lab File: BF114674.D
 Acq: 30 May 2019 21:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276	Resp:	125974
Ion Ratio	Lower	Upper
276	100	
138	28.8	23.0 34.6
277	30.2	20.5 30.7

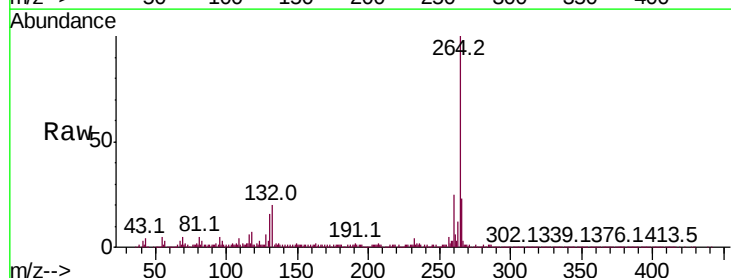


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

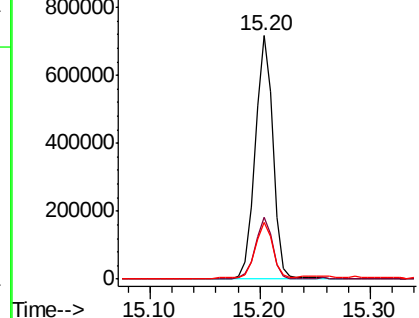
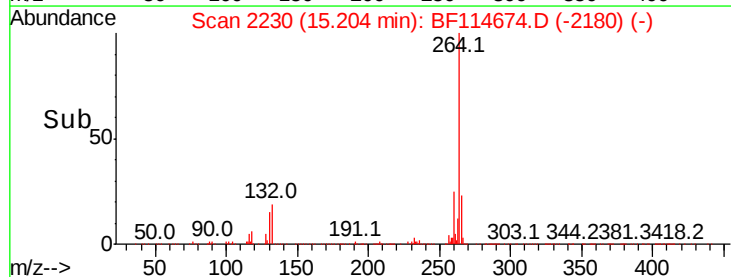


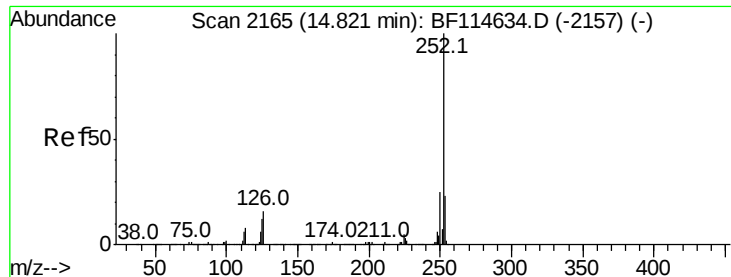
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.20 min Scan# 2230
 Delta R.T. -0.01 min
 Lab File: BF114674.D
 Acq: 30 May 2019 21:41

Tgt Ion:264	Resp:	804483
Ion Ratio	Lower	Upper
264	100	
260	25.1	19.7 29.5
265	23.1	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: 8.685 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

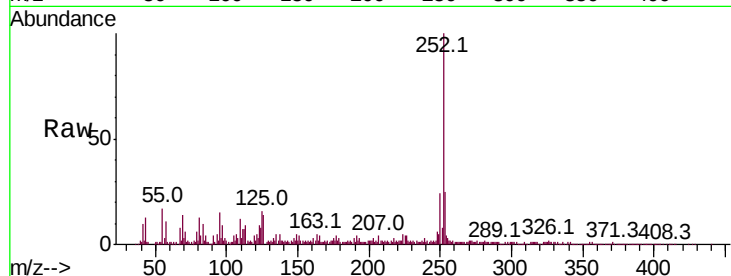
Lab File: BF114674.D

Acq: 30 May 2019 21:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 440052

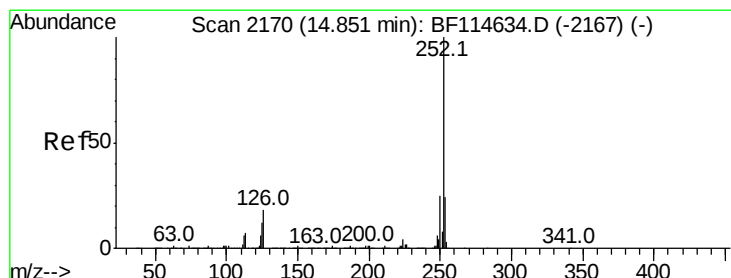
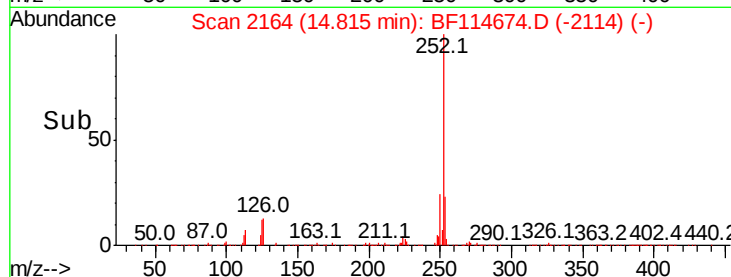
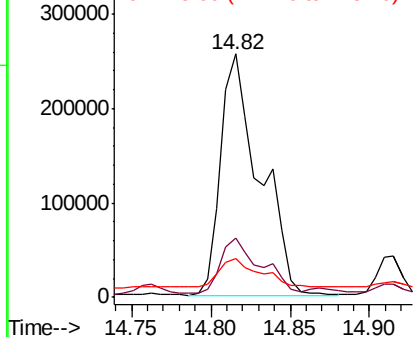
Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.7	28.1
125	15.8	9.4	14.2#



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: 9.992 ng

RT: 14.82 min Scan# 2164

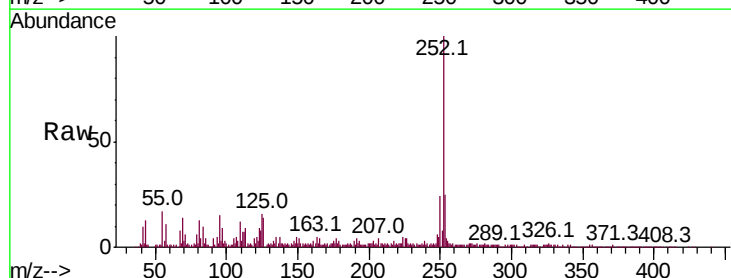
Delta R.T. -0.04 min

Lab File: BF114674.D

Acq: 30 May 2019 21:41

Tgt Ion:252 Resp: 440052

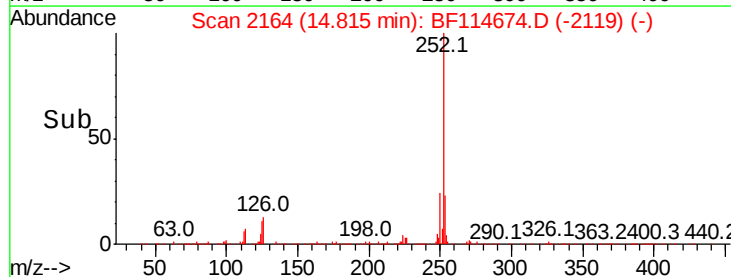
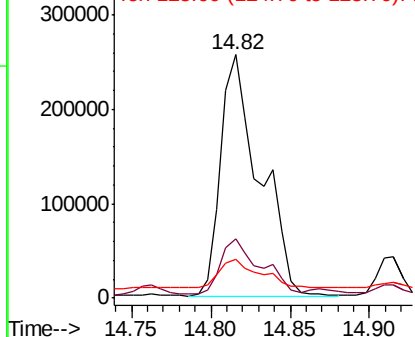
Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.9	28.3
125	15.8	9.5	14.3#

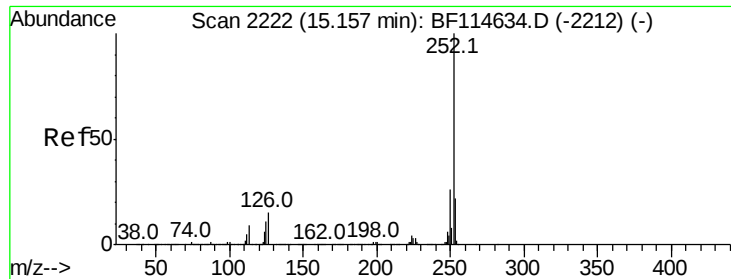


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

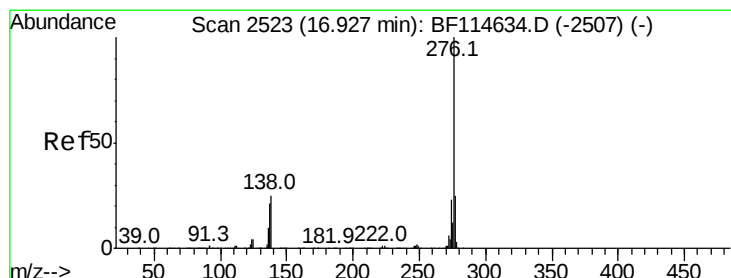
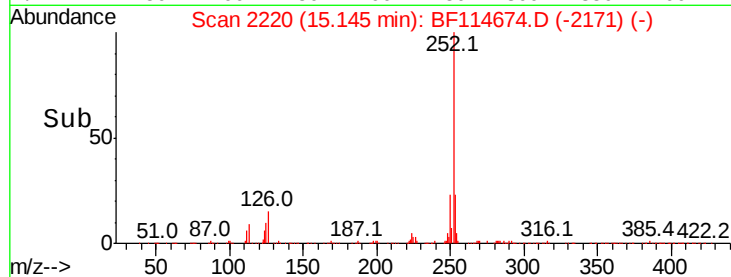
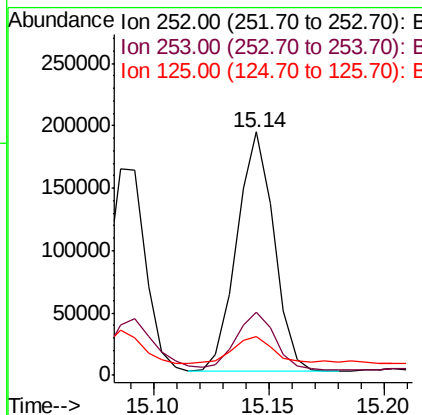
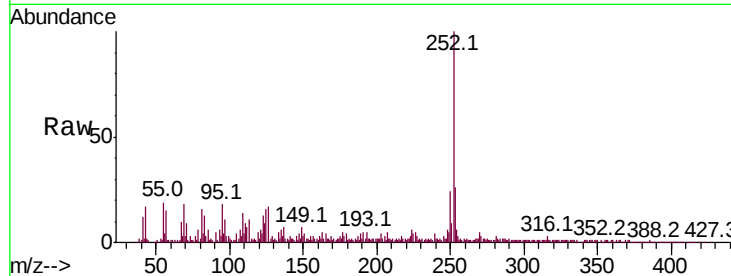




#90
Benzo(a)pyrene
Concen: 4.834 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.01 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.8	18.0	27.0
125	15.9	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 4.212 ng
RT: 16.92 min Scan# 2521
Delta R.T. -0.01 min
Lab File: BF114674.D
Acq: 30 May 2019 21:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.6	19.7	29.5
138	28.7	19.8	29.8

