

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040219\
 Data File : BF113514.D
 Acq On : 2 Apr 2019 19:16
 Operator : JU/SJ
 Sample : K2180-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Apr 03 01:02:18 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 26 03:32:08 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	136813	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	501692	20.00	ng	-0.01
39) Acenaphthene-d10	9.72	164	231549	20.00	ng	-0.02
64) Phenanthrene-d10	11.20	188	400859	20.00	ng	-0.02
76) Chrysene-d12	13.83	240	183642	20.00	ng	-0.01
87) Perylene-d12	15.23	264	363047	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	958370	114.54	ng	0.00
7) Phenol-d6	6.35	99	1245056	117.63	ng	-0.01
23) Nitrobenzene-d5	7.26	82	753960	89.20	ng	-0.01
42) 2,4,6-Tribromophenol	10.51	330	337395	117.96	ng	-0.02
45) 2-Fluorobiphenyl	9.05	172	1371627	94.90	ng	-0.02
79) Terphenyl-d14	12.78	244	1125231	135.06	ng	-0.02

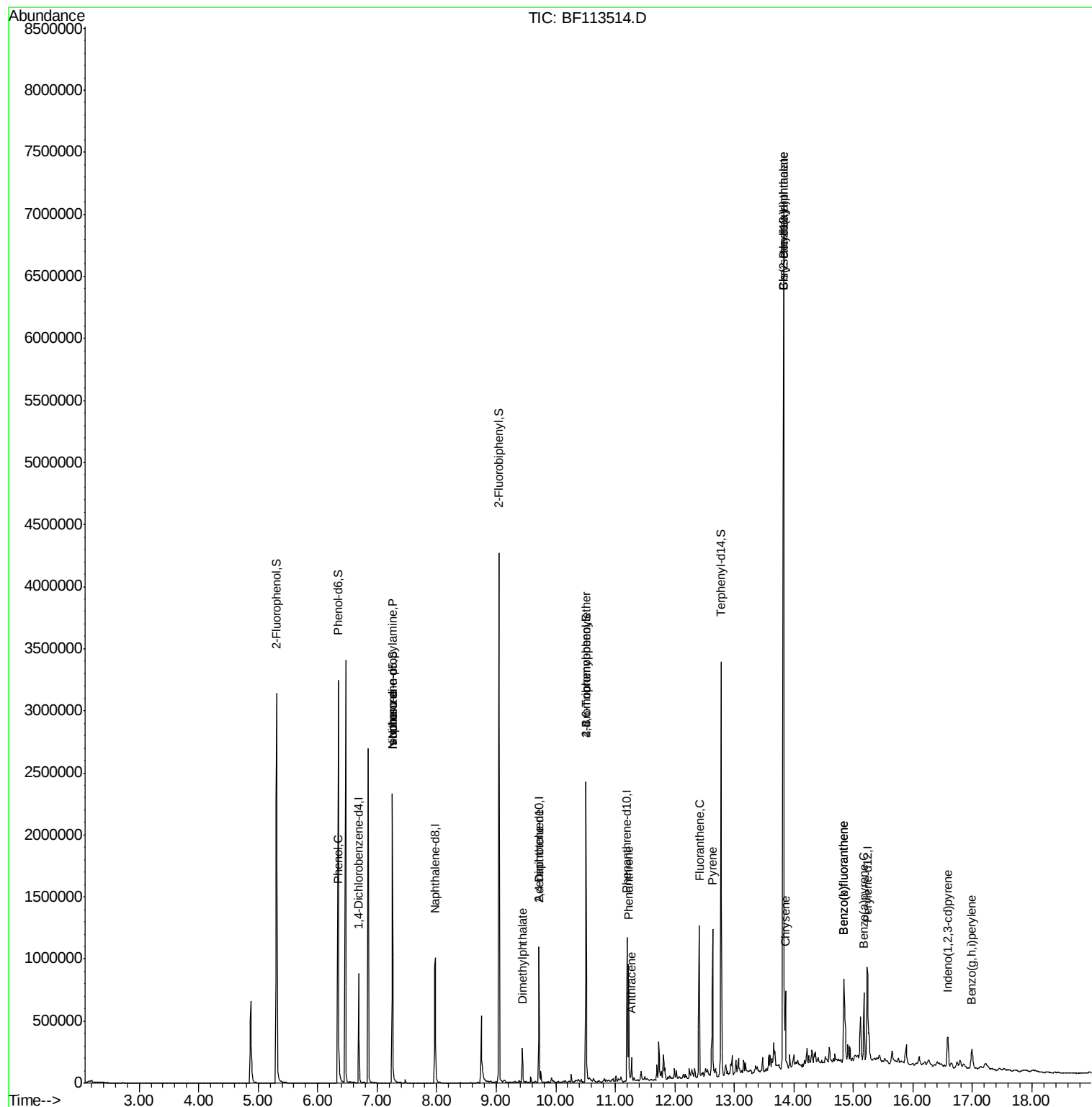
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.36	94	45781	3.789	ng	# 68
19) n-Nitroso-di-n-propylamine	7.26	70	97872	14.720	ng	# 77
25) Isophorone	7.26	82	747968	45.662	ng	# 64
50) Dimethylphthalate	9.44	163	105198	6.131	ng	100
57) 2,4-Dinitrotoluene	9.72	165	30114	6.117	ng	# 23
67) 4-Bromophenyl-phenylether	10.51	248	18886	4.323	ng	# 1
71) Phenanthrene	11.22	178	312775	15.712	ng	98
72) Anthracene	11.27	178	69372	3.431	ng	98
75) Fluoranthene	12.41	202	512878	22.790	ng	98
78) Pyrene	12.63	202	467444	36.732	ng	99
81) Benzo(a)anthracene	13.82	228	174224	16.574	ng	99
83) Chrysene	13.86	228	247658	23.195	ng	98
84) Bis(2-ethylhexyl)phthalate	13.83	149	2609898	379.605	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.59	276	145419	15.869	ng	97
88) Benzo(b)fluoranthene	14.84	252	472324	20.943	ng	# 98
89) Benzo(k)fluoranthene	14.84	252	472324	23.849	ng	# 97
90) Benzo(a)pyrene	15.18	252	257555	12.882	ng	97
92) Benzo(g,h,i)perylene	16.99	276	128047	7.346	ng	98

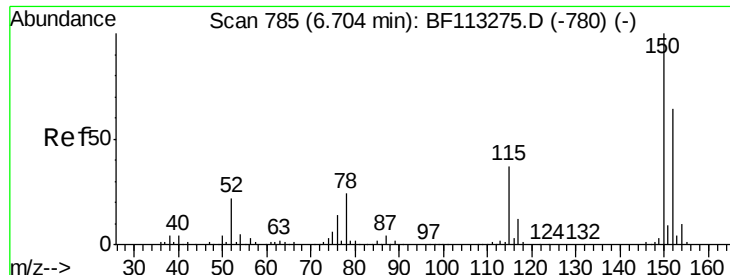
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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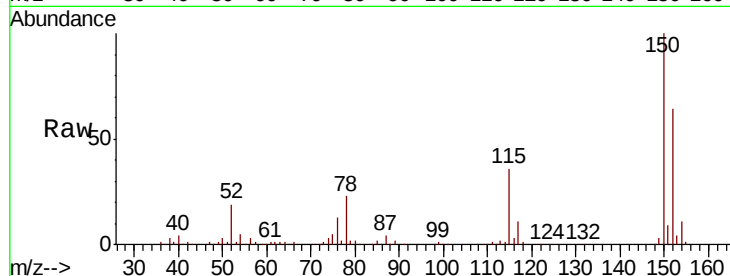


#1

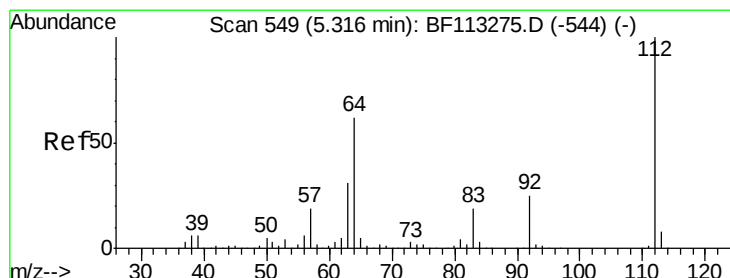
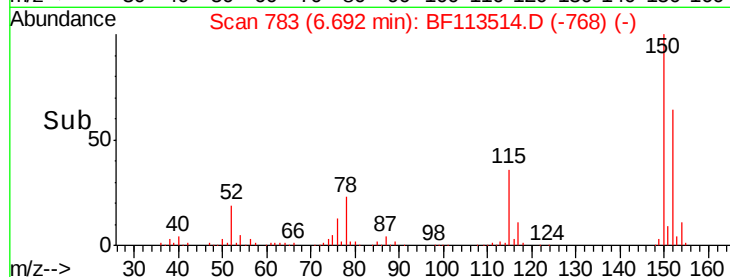
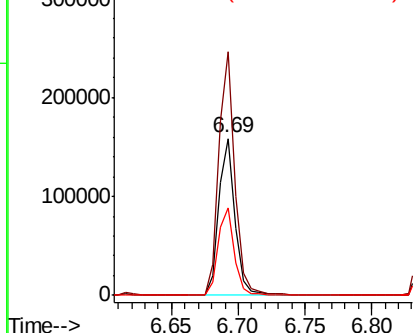
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:152 Resp: 136813
Ion Ratio Lower Upper
152 100
150 155.3 124.7 187.1
115 55.6 46.0 69.0



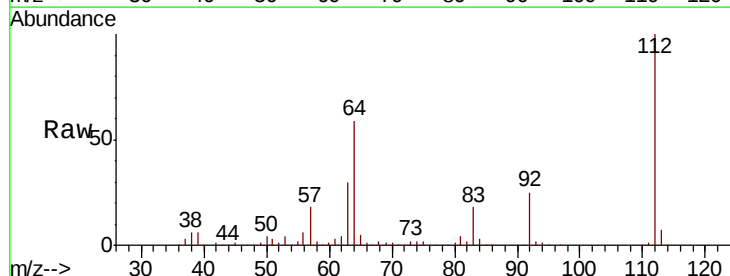
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



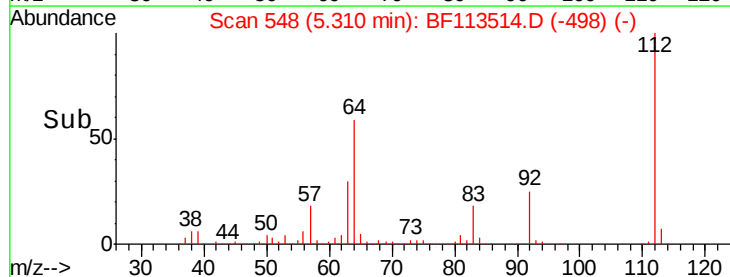
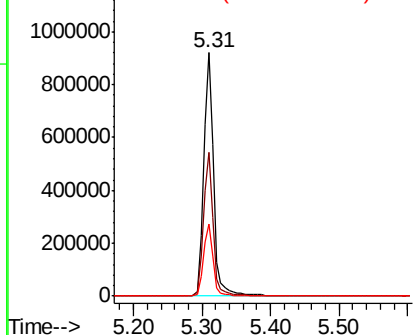
#5

2-Fluorophenol
Concen: 114.540 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion:112 Resp: 958370
Ion Ratio Lower Upper
112 100
64 59.1 49.2 73.8
63 29.9 24.9 37.3



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: 117.626 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

TP-7

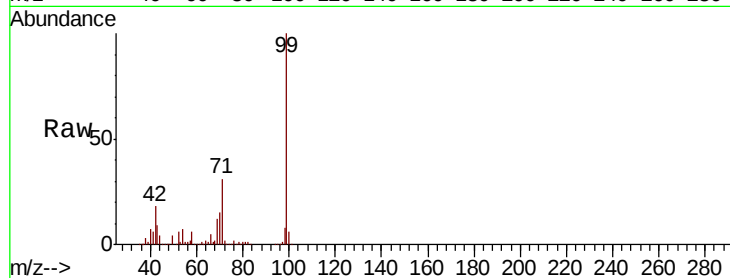
Tgt Ion: 99 Resp: 1245056

Ion Ratio Lower Upper

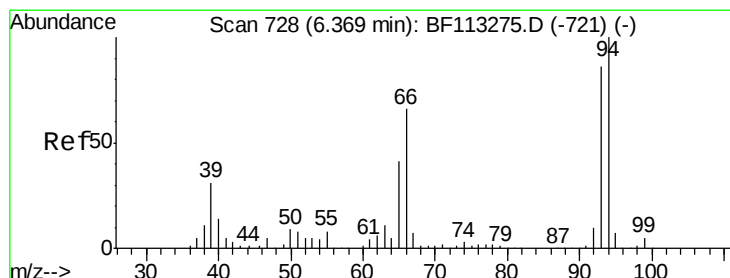
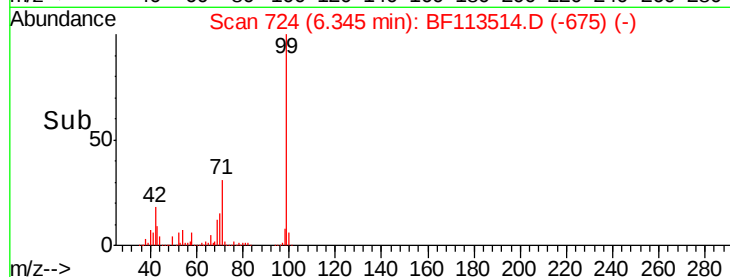
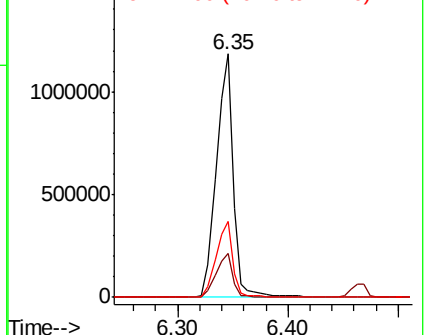
99 100

42 18.1 14.8 22.2

71 31.5 24.9 37.3



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



#10

Phenol

Concen: 3.789 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

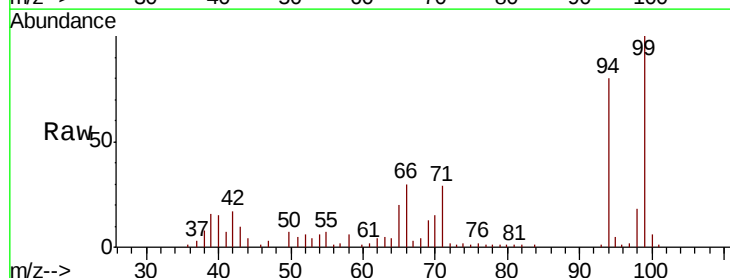
Tgt Ion: 94 Resp: 45781

Ion Ratio Lower Upper

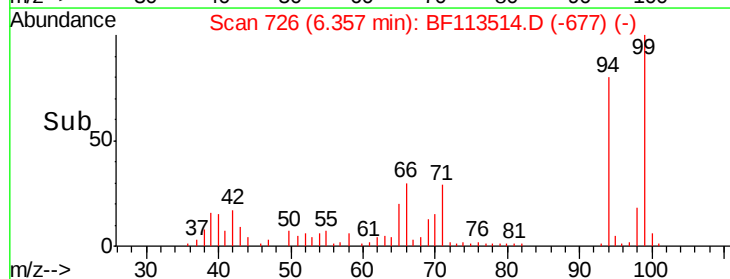
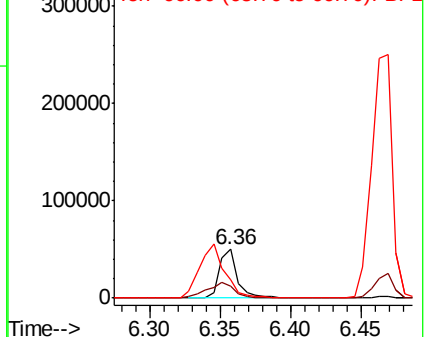
94 100

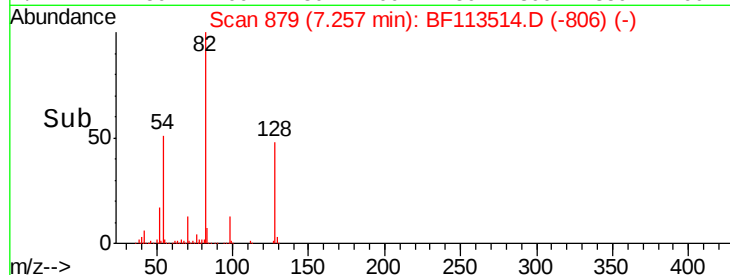
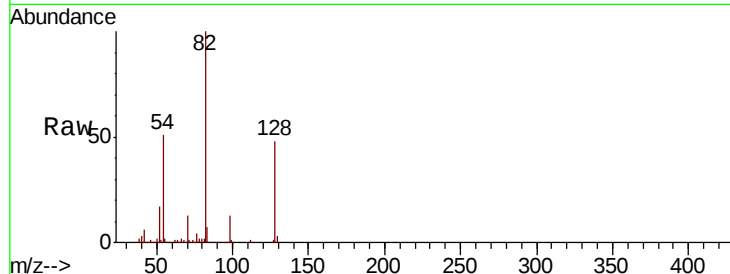
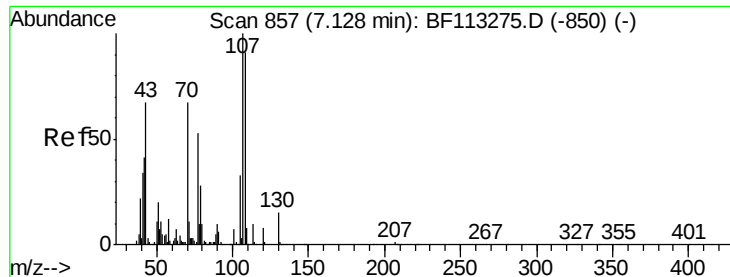
65 25.6 21.4 61.4

66 37.9 46.4 86.4#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

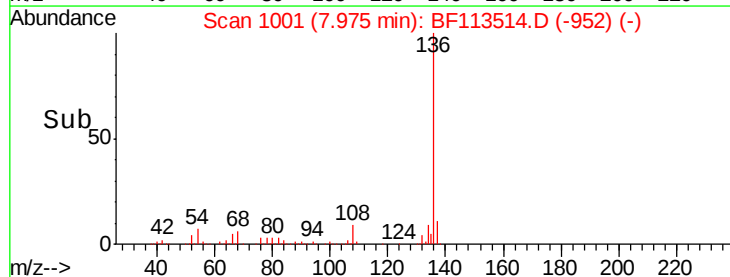
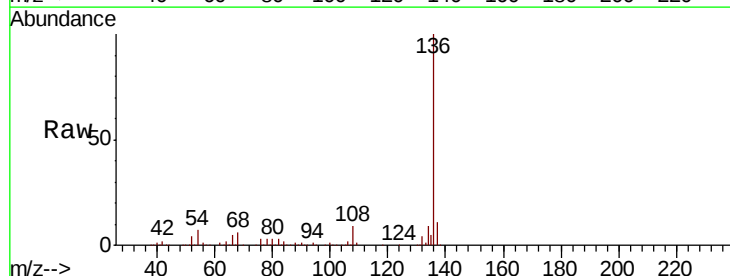
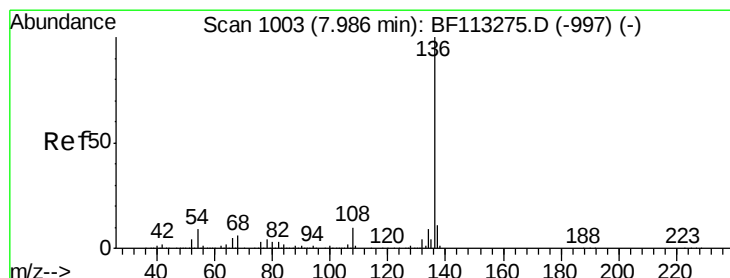
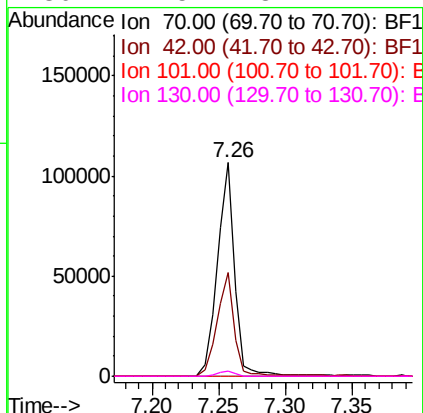




#19
n-Nitroso-di-n-propylamine
Concen: 14.720 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.13 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

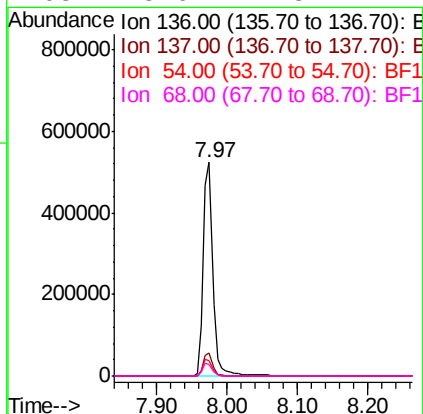
Instrument :
BNA_F
ClientSampleId :
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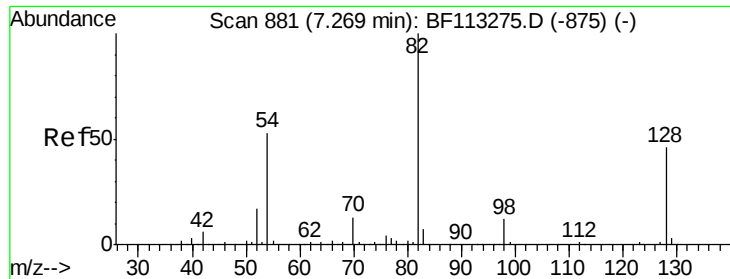
Tgt Ion:	70	Resp:	97872
Ion	Ratio	Lower	Upper
70	100		
42	48.4	48.4	72.6
101	0.0	7.8	11.8#
130	2.5	18.2	27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion:	136	Resp:	501692
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.3	7.0	10.6
68	5.6	4.8	7.2

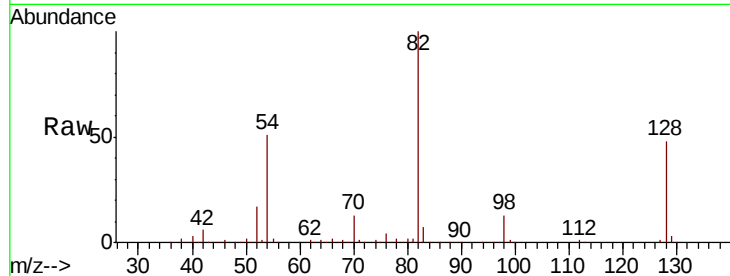




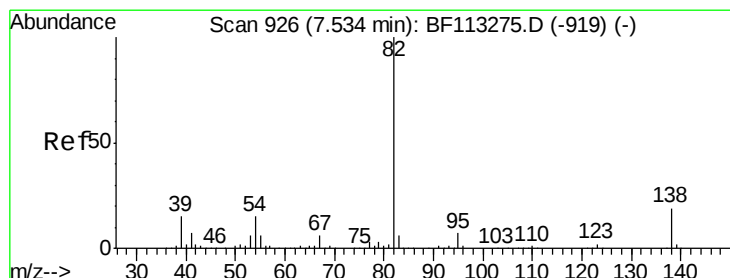
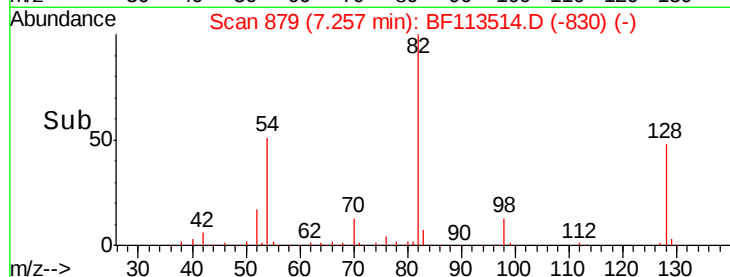
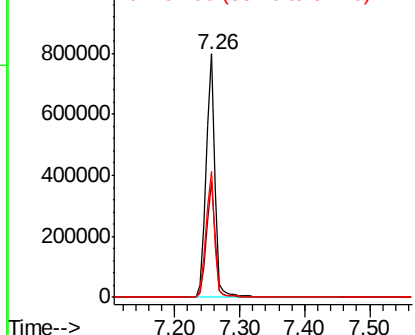
#23
 Nitrobenzene-d5
 Concen: 89.199 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion: 82 Resp: 753960
 Ion Ratio Lower Upper
 82 100
 128 47.6 36.5 54.7
 54 51.5 42.2 63.2

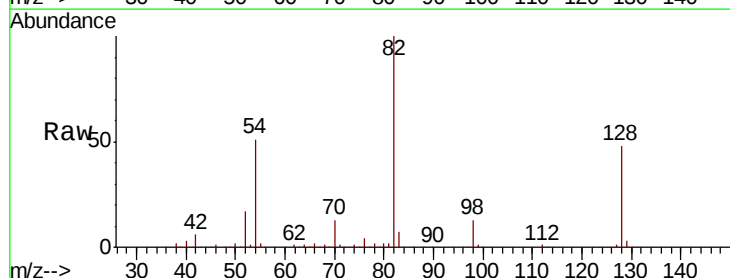


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

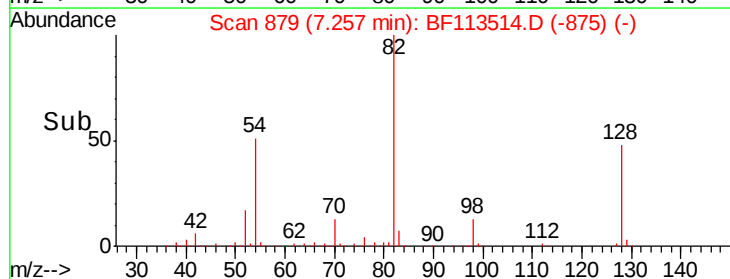
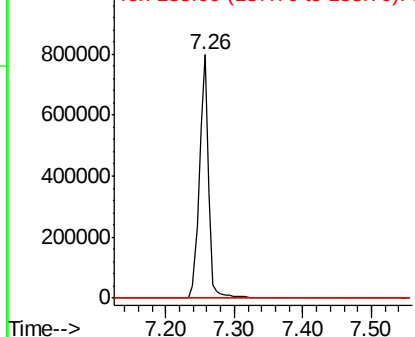


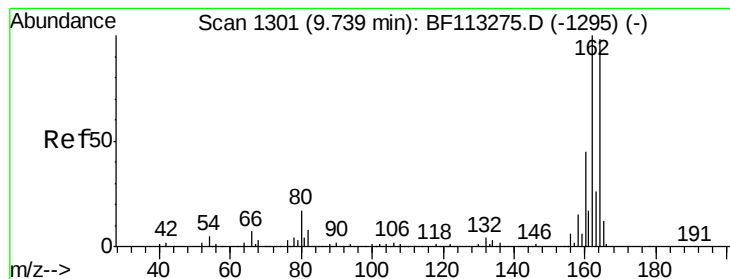
#25
 Isophorone
 Concen: 45.662 ng
 RT: 7.26 min Scan# 879
 Delta R.T. -0.28 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion: 82 Resp: 747968
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.5 8.3#
 138 0.0 15.2 22.8#



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# 1297

Delta R.T. -0.02 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

TP-7

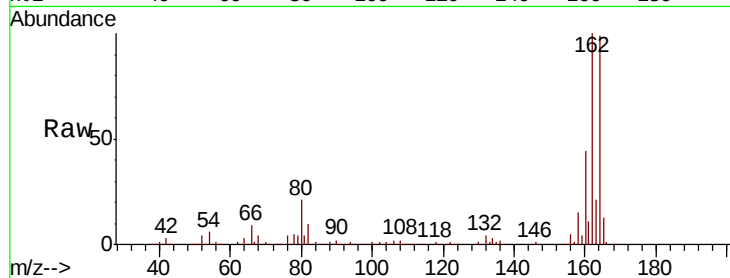
Tgt Ion:164 Resp: 231549

Ion Ratio Lower Upper

164 100

162 101.5 81.8 122.6

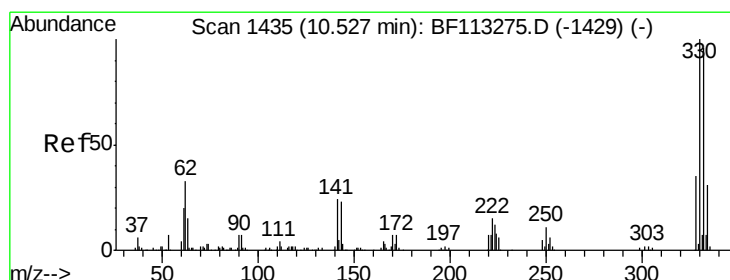
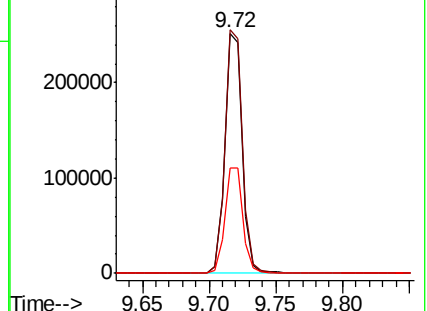
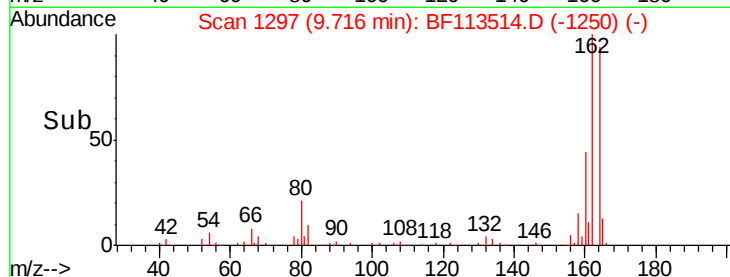
160 44.2 36.4 54.6



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: 117.964 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.02 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

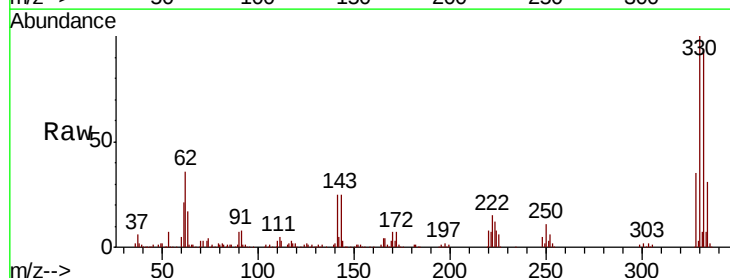
Tgt Ion:330 Resp: 337395

Ion Ratio Lower Upper

330 100

332 95.8 77.8 116.6

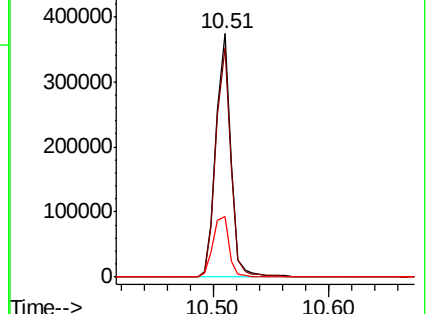
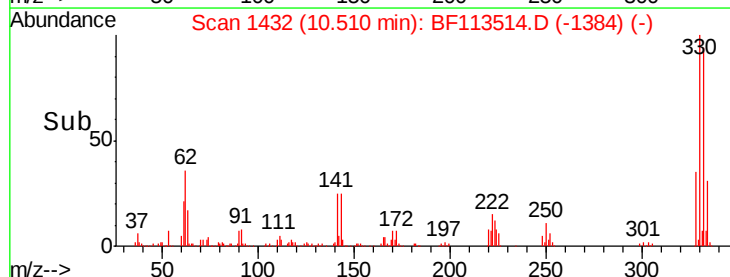
141 27.6 22.7 34.1

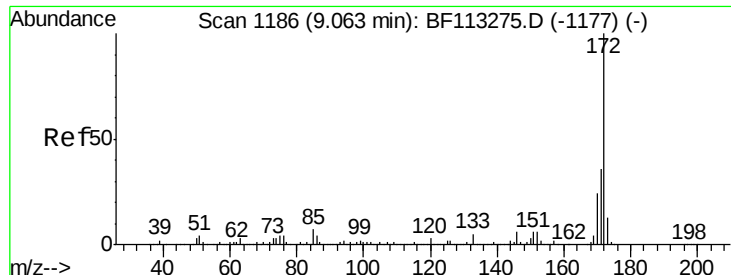


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

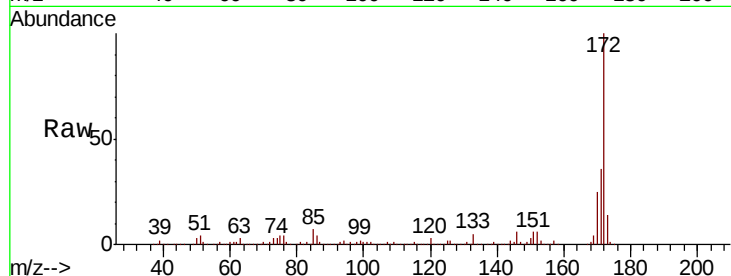




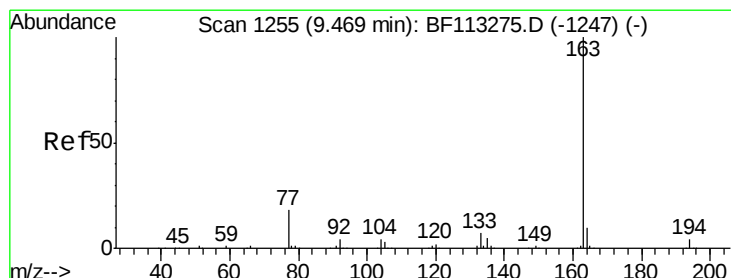
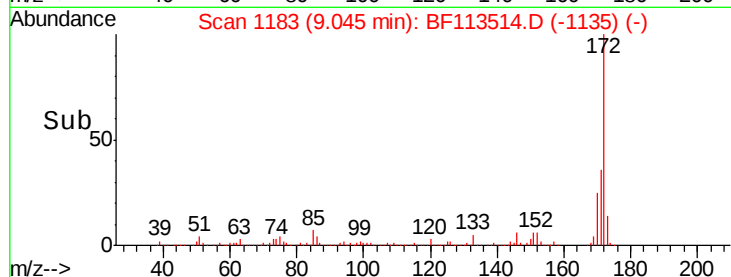
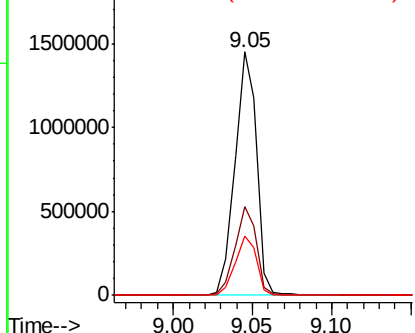
#45
 2-Fluorobiphenyl
 Concen: 94.900 ng
 RT: 9.05 min Scan# 1183
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

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Tgt Ion:172 Resp: 1371627
 Ion Ratio Lower Upper
 172 100
 171 36.4 29.0 43.6
 170 24.6 19.5 29.3

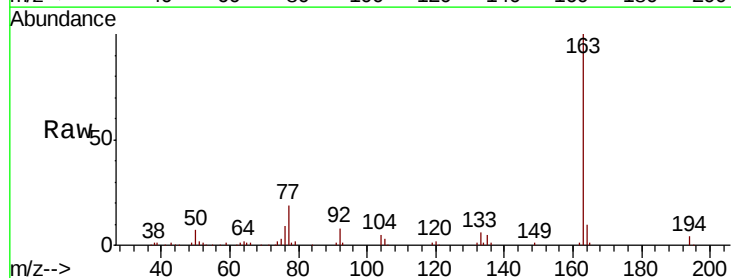


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

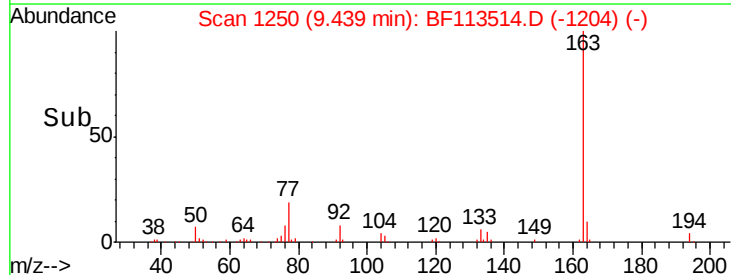
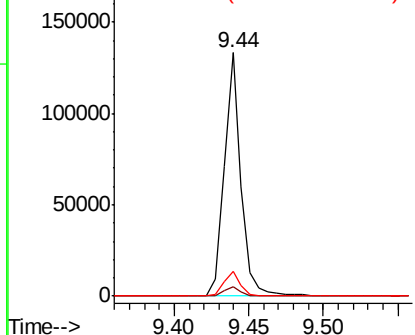


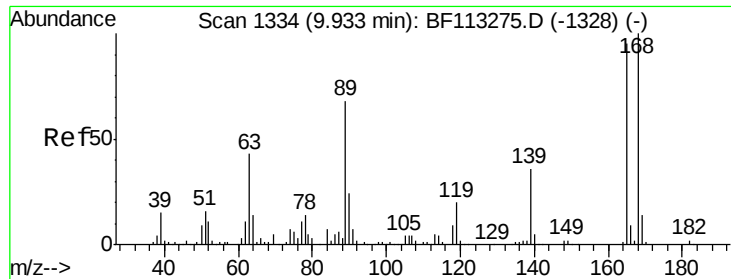
#50
 Dimethylphthalate
 Concen: 6.131 ng
 RT: 9.44 min Scan# 1250
 Delta R.T. -0.03 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion:163 Resp: 105198
 Ion Ratio Lower Upper
 163 100
 194 3.9 3.0 4.6
 164 10.0 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

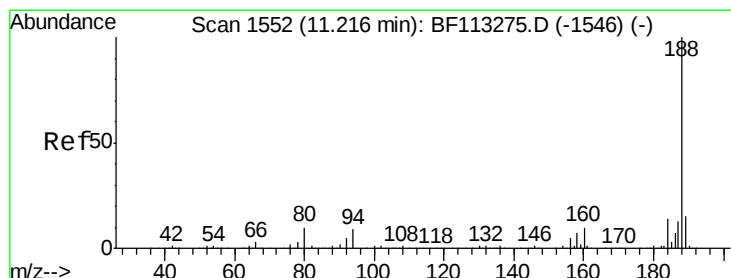
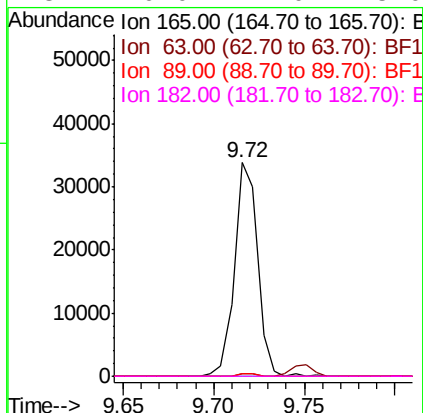
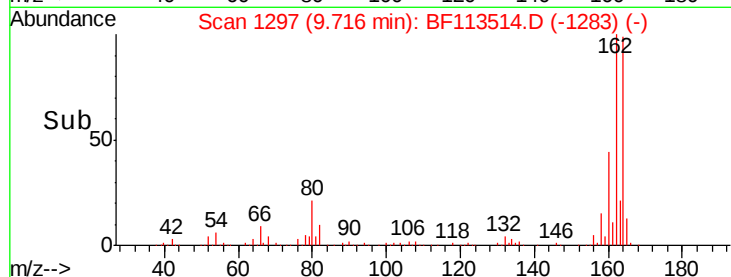
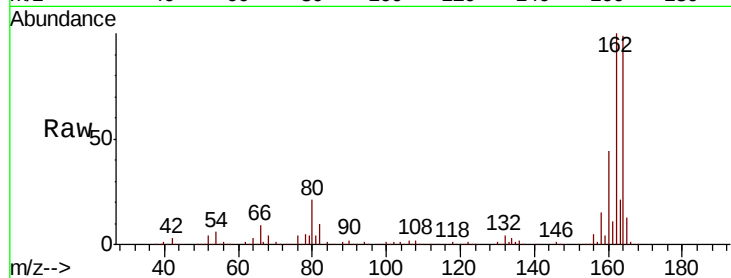




#57
 2,4-Dinitrotoluene
 Concen: 6.117 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.22 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

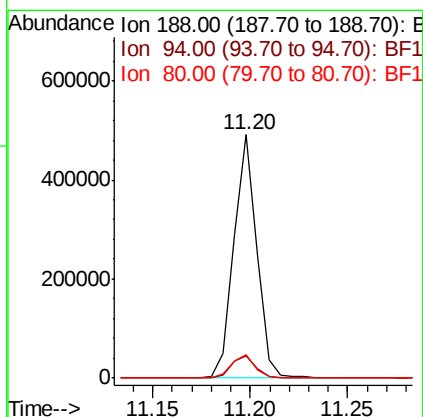
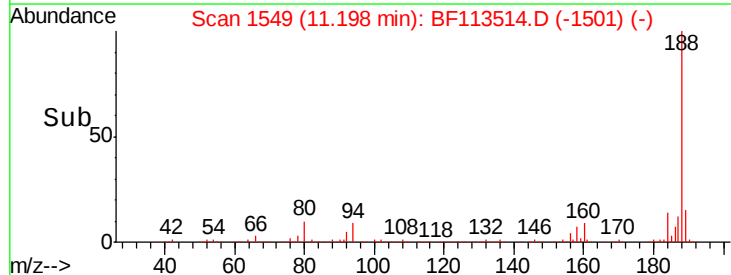
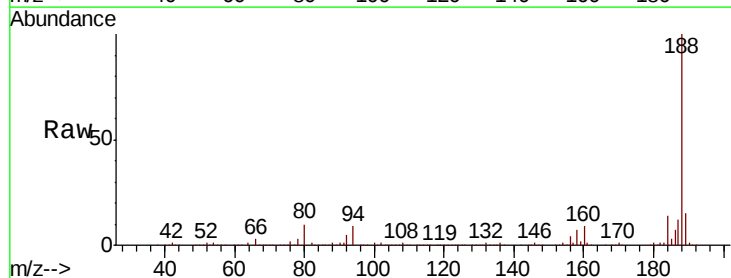
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

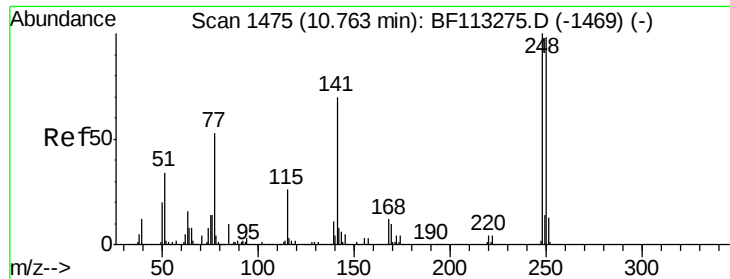
Tgt Ion:165 Resp: 30114
 Ion Ratio Lower Upper
 165 100
 63 1.3 37.5 56.3#
 89 1.1 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.20 min Scan# 1549
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion:188 Resp: 400859
 Ion Ratio Lower Upper
 188 100
 94 9.3 7.0 10.6
 80 9.6 7.7 11.5

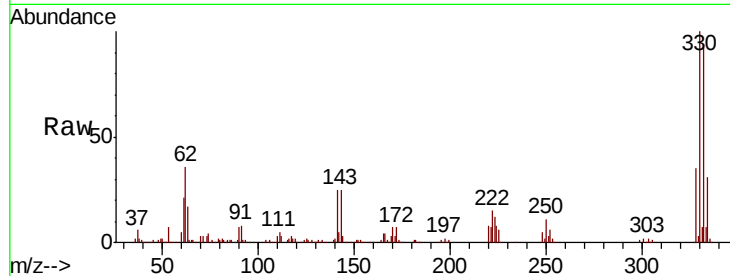




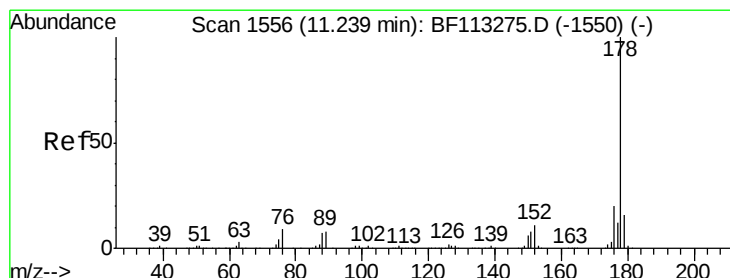
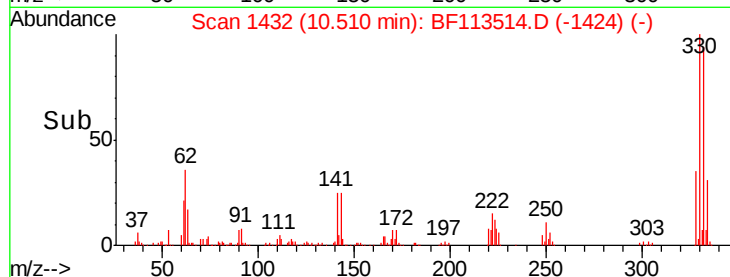
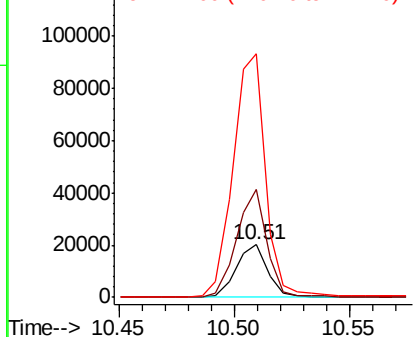
#67
 4-Bromophenyl-phenylether
 Concen: 4.323 ng
 RT: 10.51 min Scan# 1432
 Delta R.T. -0.25 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion:248 Resp: 18886
 Ion Ratio Lower Upper
 248 100
 250 205.7 78.3 117.5#
 141 465.5 56.2 84.4#

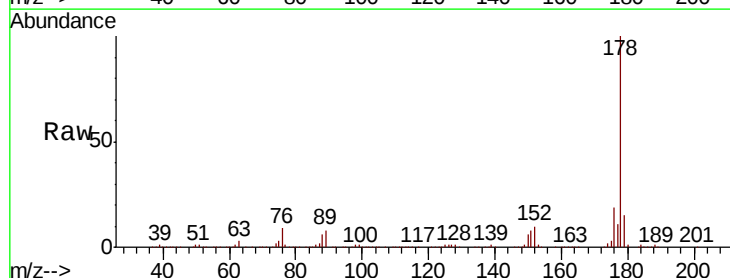


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

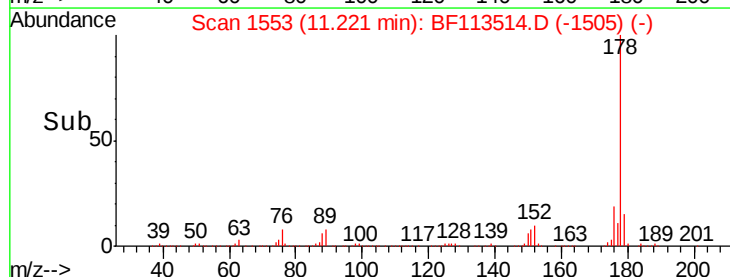
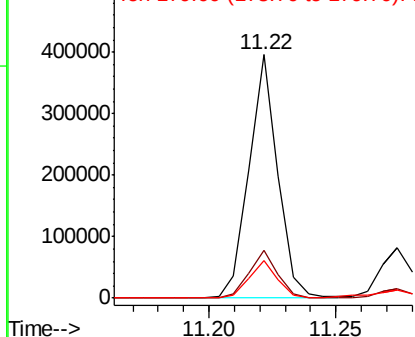


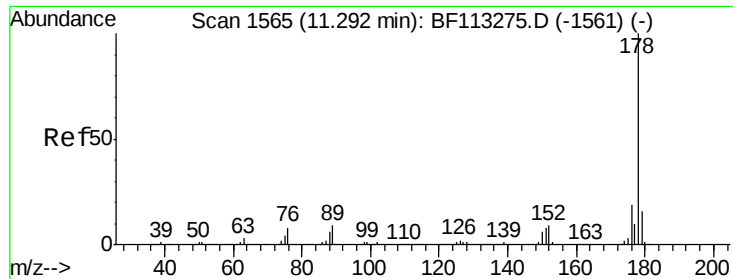
#71
 Phenanthrene
 Concen: 15.712 ng
 RT: 11.22 min Scan# 1553
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion:178 Resp: 312775
 Ion Ratio Lower Upper
 178 100
 176 19.4 16.2 24.2
 179 15.2 12.7 19.1



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





#72

Anthracene

Concen: 3.431 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

TP-7

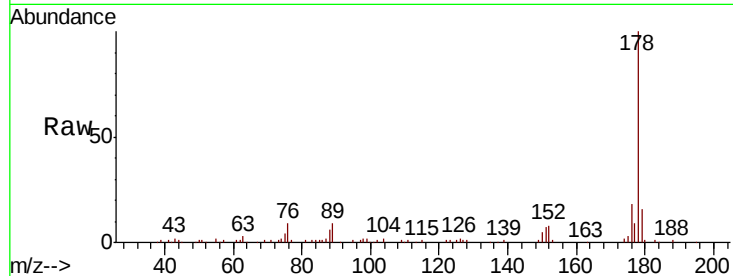
Tgt Ion:178 Resp: 69372

Ion Ratio Lower Upper

178 100

176 17.9 15.4 23.2

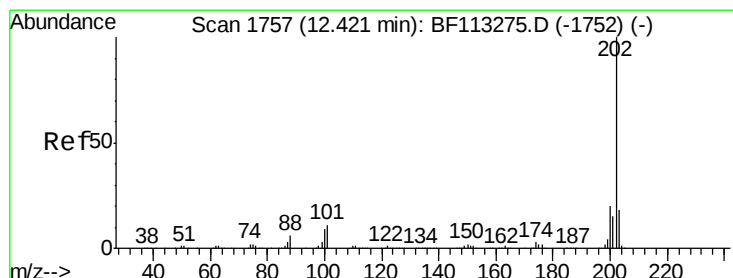
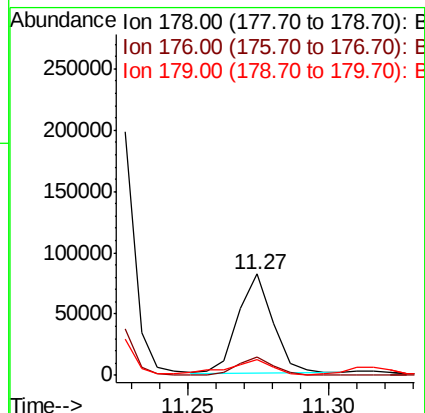
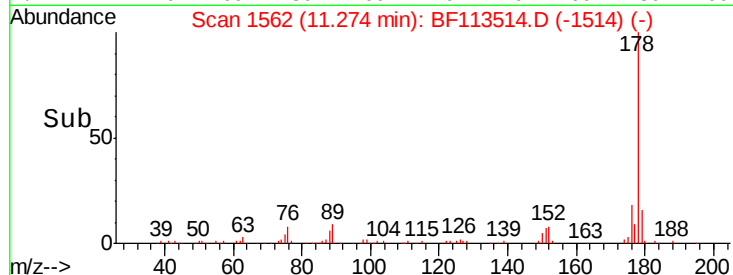
179 16.1 12.8 19.2



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: 22.790 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

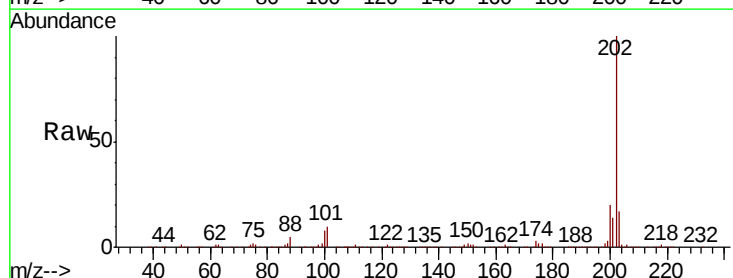
Tgt Ion:202 Resp: 512878

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

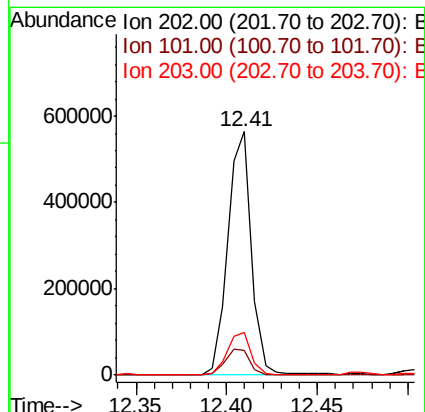
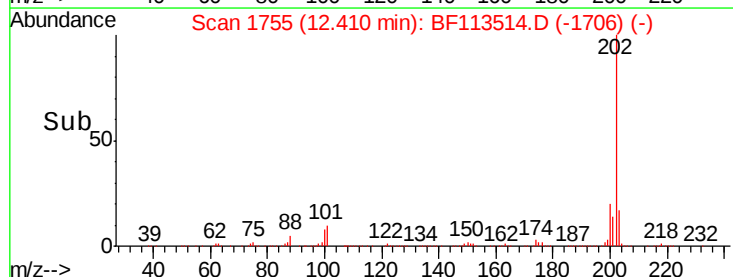
203 17.4 0.0 38.0

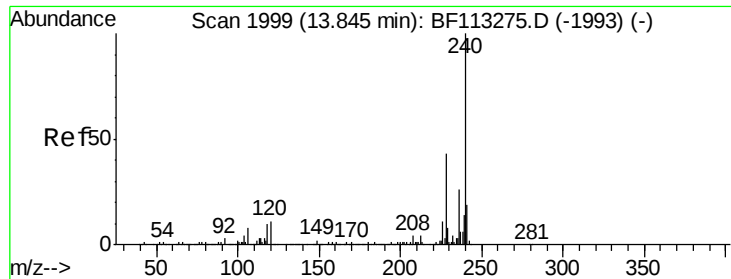


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

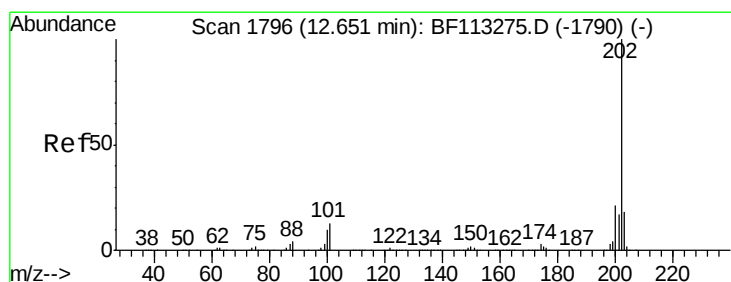
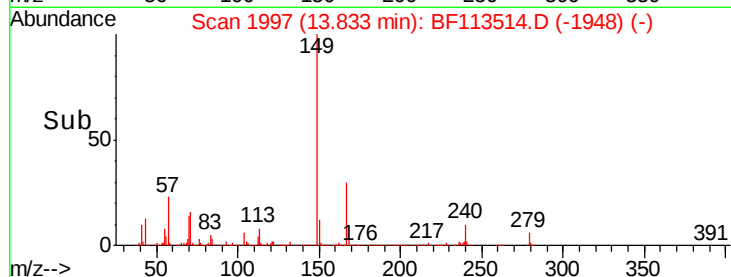
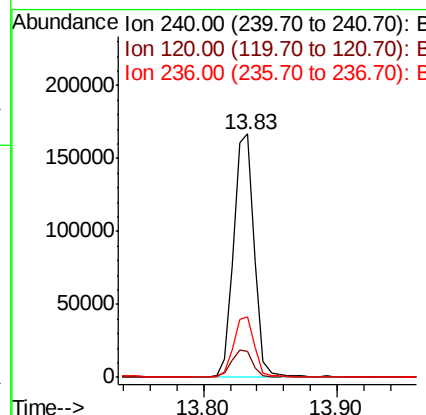
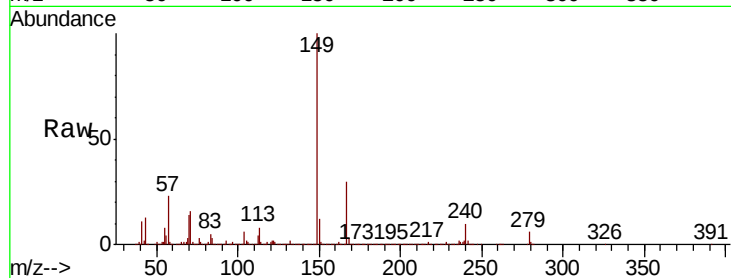




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

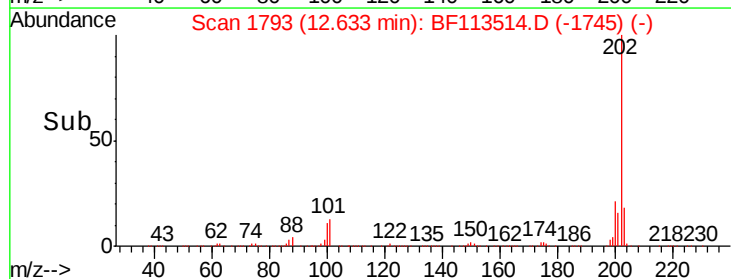
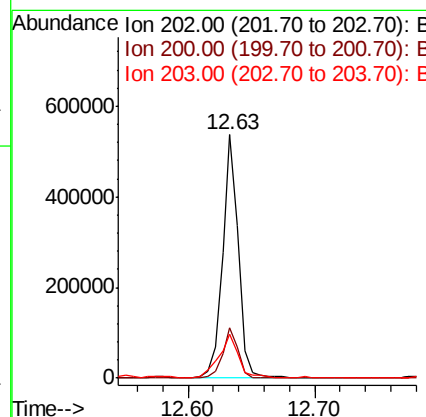
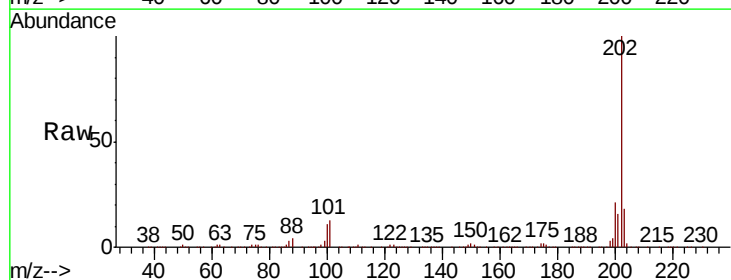
Instrument :
BNA_F
ClientSampleId :
TP-7

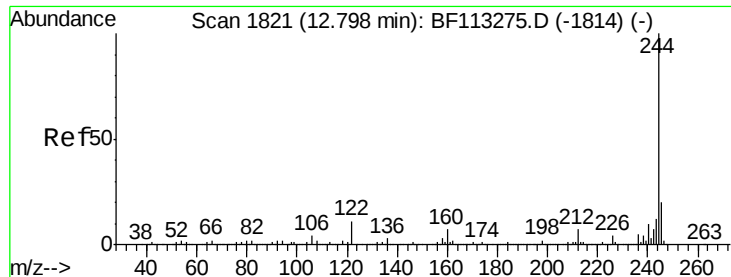
Tgt Ion:240 Resp: 183642
Ion Ratio Lower Upper
240 100
120 10.7 8.8 13.2
236 25.0 20.9 31.3



#78
Pyrene
Concen: 36.732 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.02 min
Lab File: BF113514.D
Acq: 2 Apr 2019 19:16

Tgt Ion:202 Resp: 467444
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.8 14.4 21.6

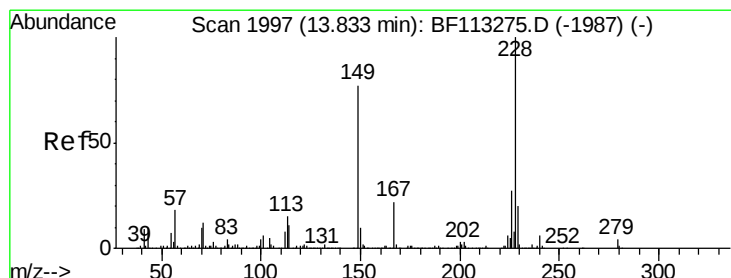
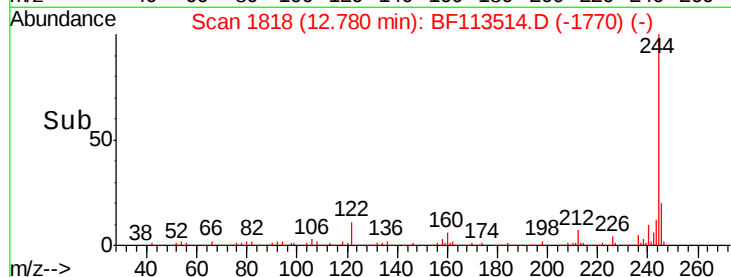
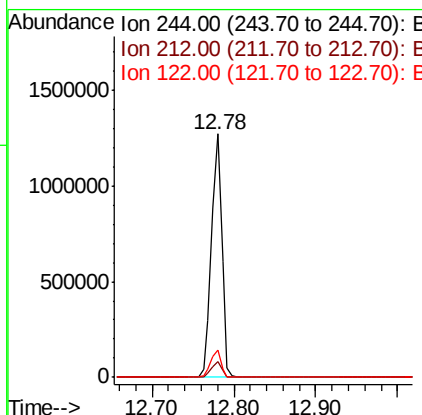
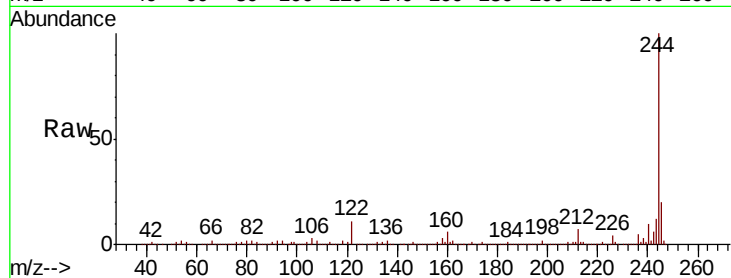




#79
 Terphenyl-d14
 Concen: 135.056 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

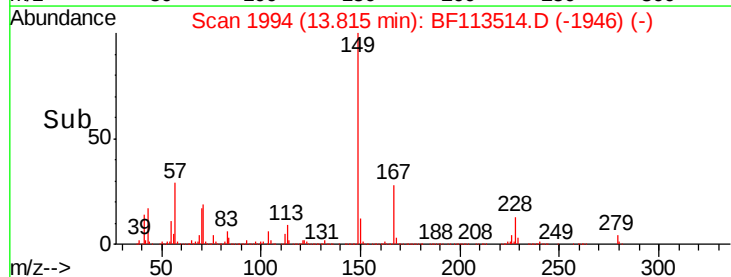
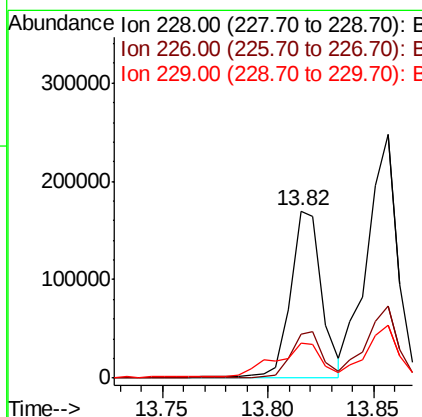
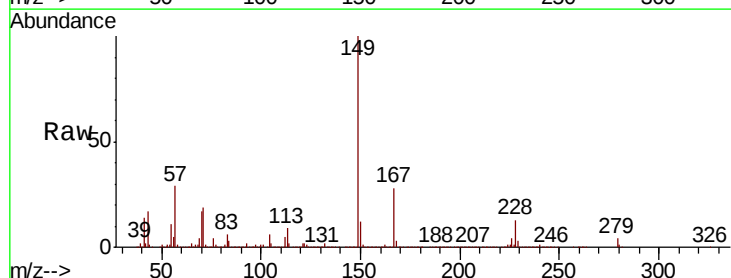
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

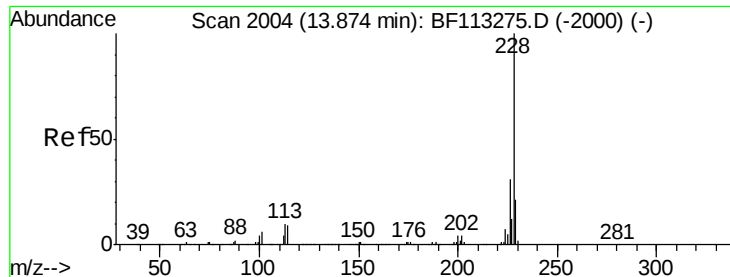
Tgt Ion:244 Resp: 1125231
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 11.1 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 16.574 ng
 RT: 13.82 min Scan# 1994
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion:228 Resp: 174224
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.8 32.8
 229 21.0 16.2 24.4





#83

Chrysene

Concen: 23.195 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

TP-7

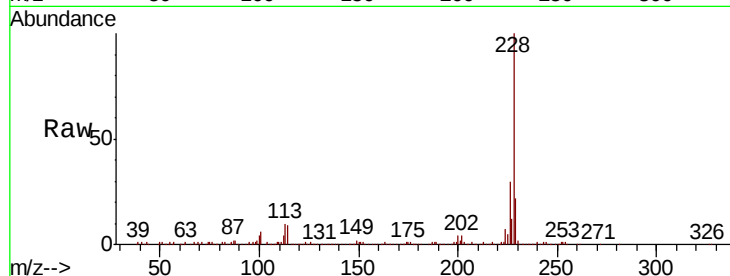
Tgt Ion:228 Resp: 247658

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

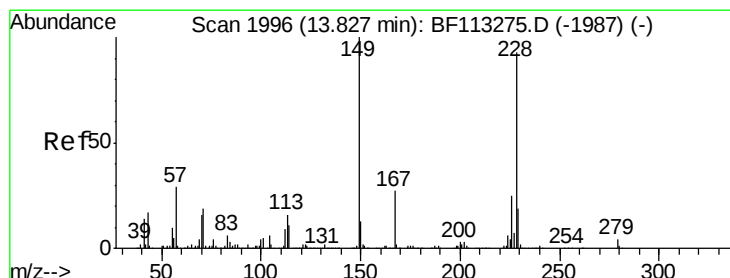
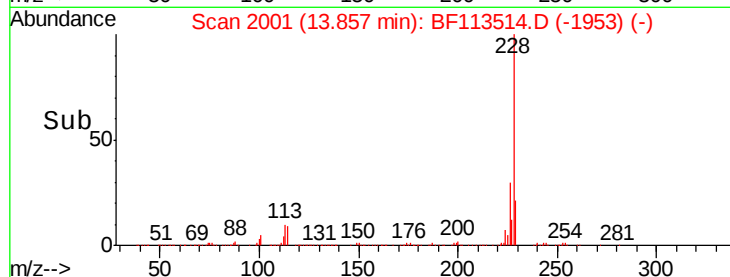
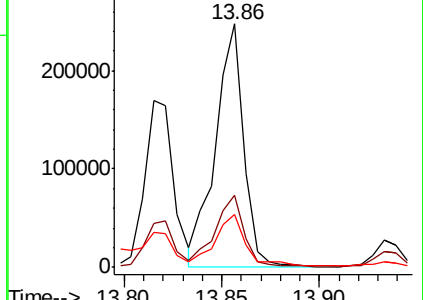
229 21.6 16.3 24.5



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: 379.605 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.00 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

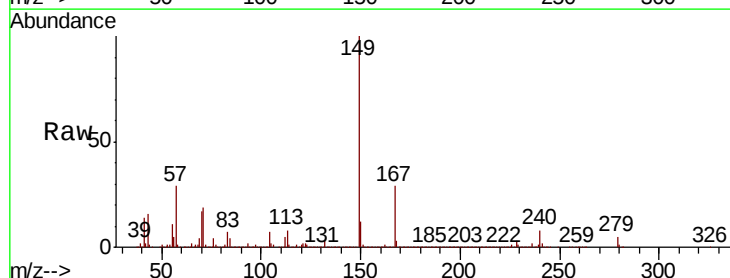
Tgt Ion:149 Resp: 2609898

Ion Ratio Lower Upper

149 100

167 28.6 21.8 32.8

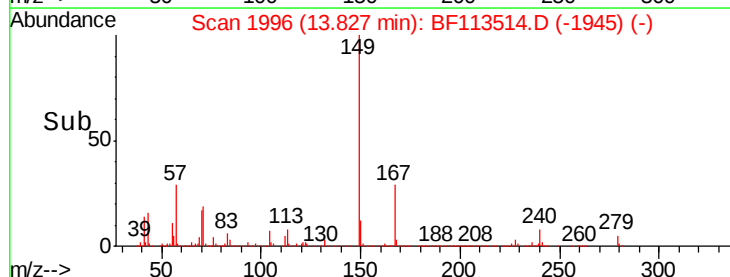
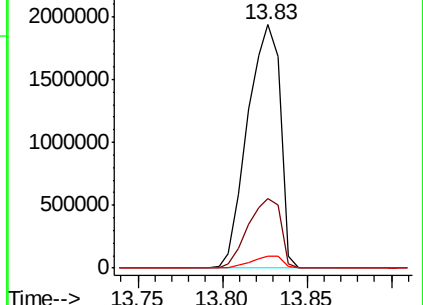
279 4.8 2.9 4.3#

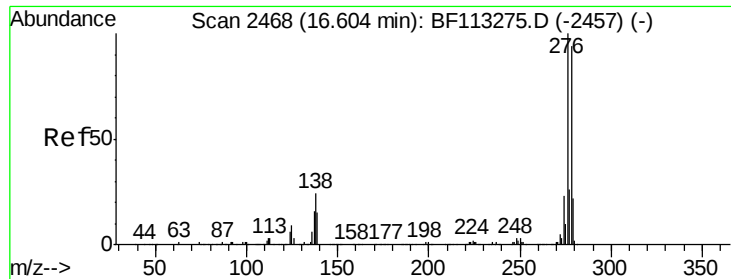


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

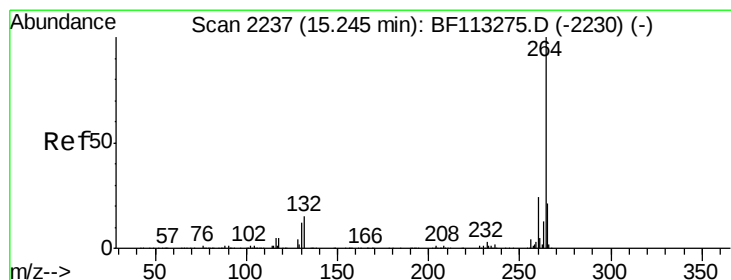
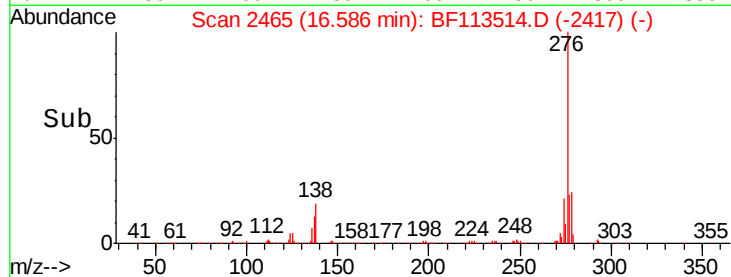
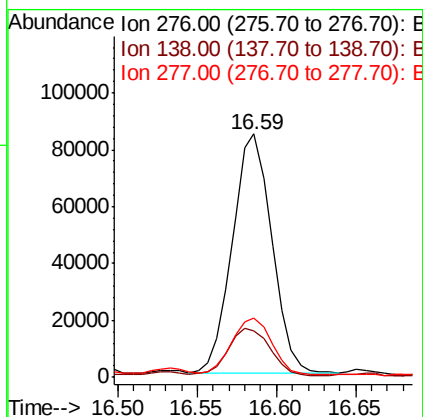
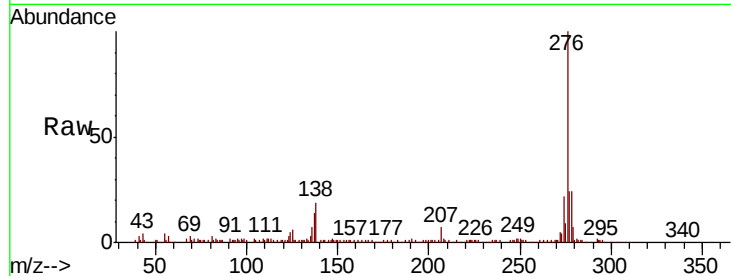




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 15.869 ng
 RT: 16.59 min Scan# 2465
 Delta R.T. -0.02 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

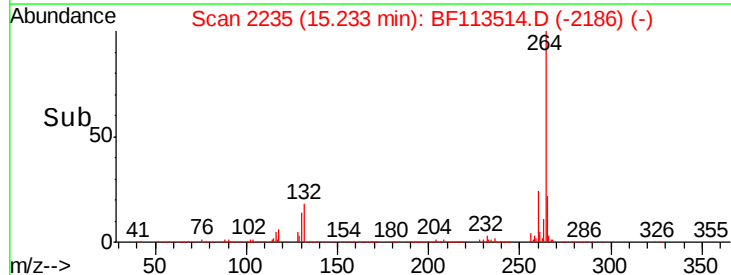
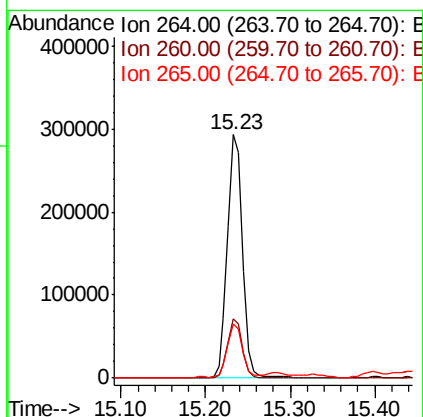
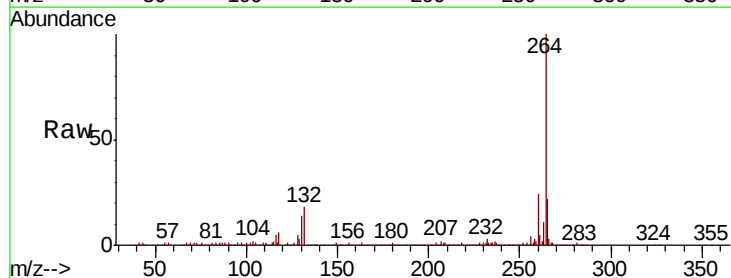
Instrument :
 BNA_F
 ClientSampled :
 TP-7

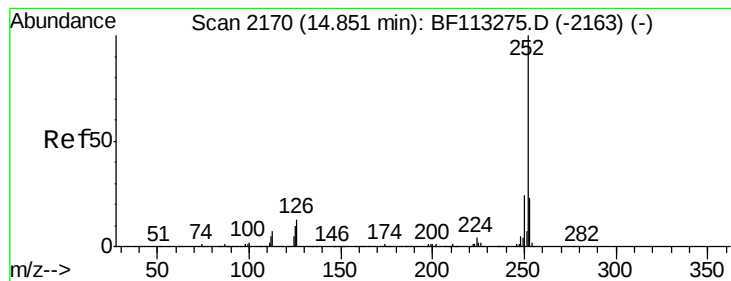
Tgt Ion: 276 Resp: 145419
 Ion Ratio Lower Upper
 276 100
 138 21.2 18.1 27.1
 277 24.2 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.23 min Scan# 2235
 Delta R.T. -0.01 min
 Lab File: BF113514.D
 Acq: 2 Apr 2019 19:16

Tgt Ion: 264 Resp: 363047
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.1 28.7
 265 22.1 17.1 25.7





#88

Benzo(b)fluoranthene

Concen: 20.943 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

TP-7

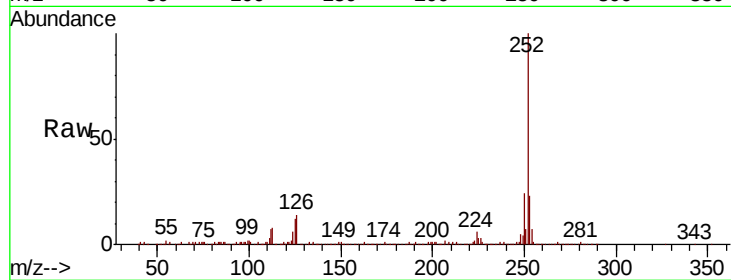
Tgt Ion:252 Resp: 472324

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

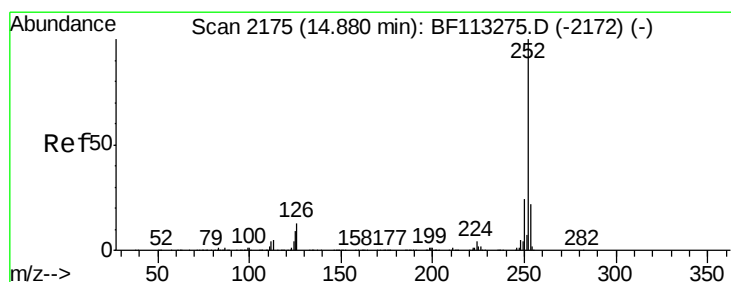
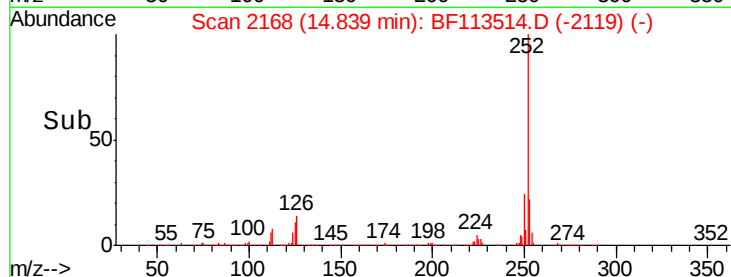
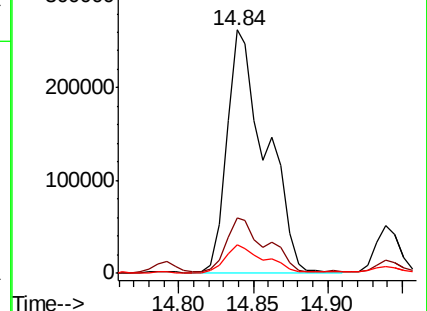
125 11.6 7.6 11.4#



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: 23.849 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

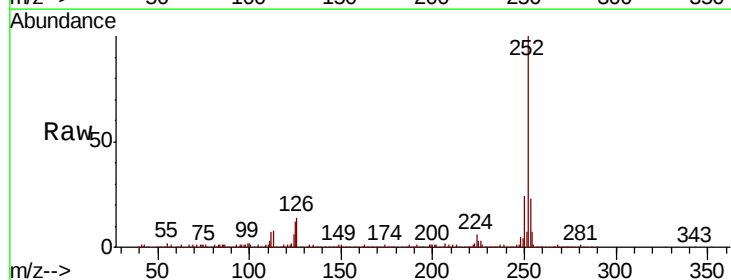
Tgt Ion:252 Resp: 472324

Ion Ratio Lower Upper

252 100

253 22.8 17.7 26.5

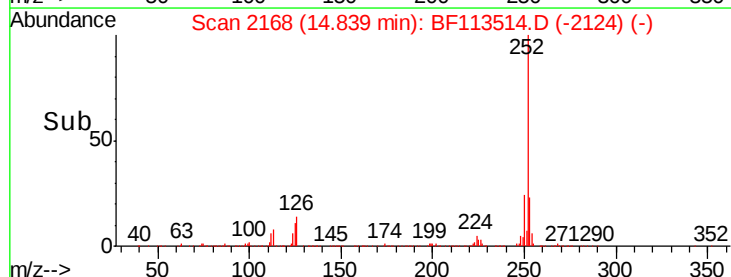
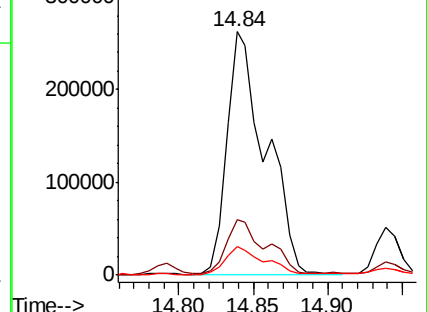
125 11.6 7.3 10.9#

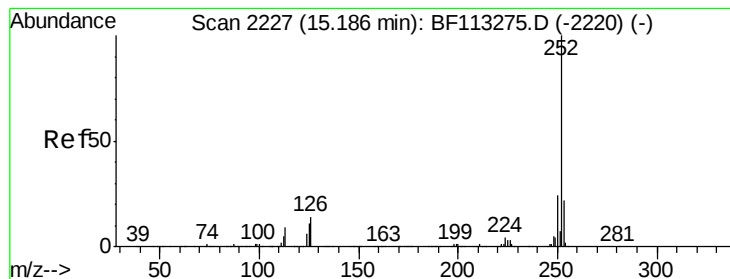


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 12.882 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Instrument :

BNA_F

ClientSampleId :

TP-7

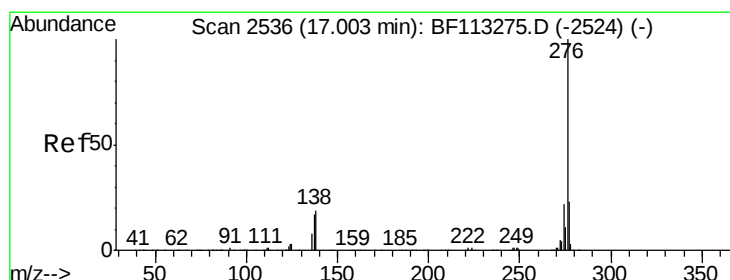
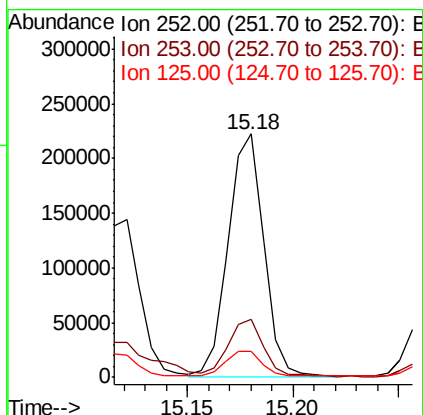
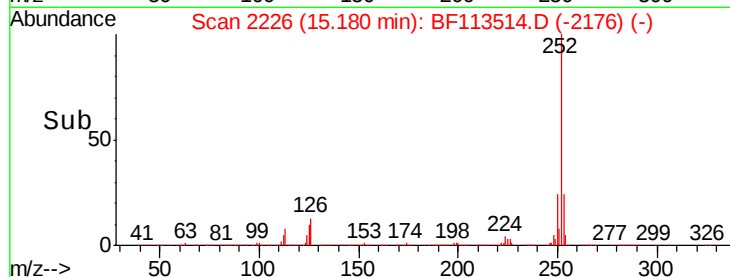
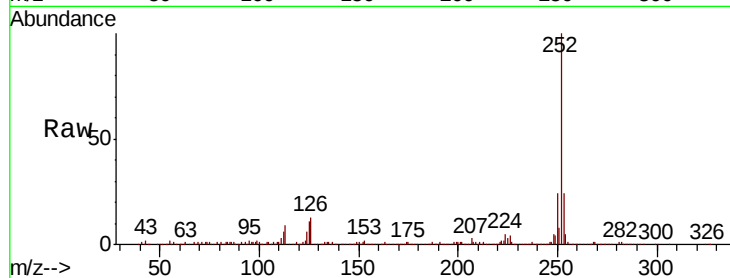
Tgt Ion:252 Resp: 257555

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 10.6 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 7.346 ng

RT: 16.99 min Scan# 2534

Delta R.T. -0.01 min

Lab File: BF113514.D

Acq: 2 Apr 2019 19:16

Tgt Ion:276 Resp: 128047

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 20.3 15.6 23.4

