

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040119\
 Data File : BF113475.D
 Acq On : 1 Apr 2019 19:19
 Operator : JU/SJ
 Sample : K2186-09 2X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BELT-PARKWAY-STAGING-YARD-1

Quant Time: Apr 02 01:09:30 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	6.70	152	128826	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	500694	20.00	ng	0.00
39) Acenaphthene-d10	9.74	164	225317	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	400928	20.00	ng	0.00
76) Chrysene-d12	13.85	240	358899	20.00	ng	0.00
87) Perylene-d12	15.26	264	237971	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	374275	47.50	ng	0.00
7) Phenol-d6	6.35	99	507121	50.88	ng	0.00
23) Nitrobenzene-d5	7.27	82	273868	32.47	ng	0.00
42) 2,4,6-Tribromophenol	10.53	330	122307	43.95	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	570623	27.83	ng	0.00
79) Terphenyl-d14	12.79	244	556109	34.15	ng	0.00

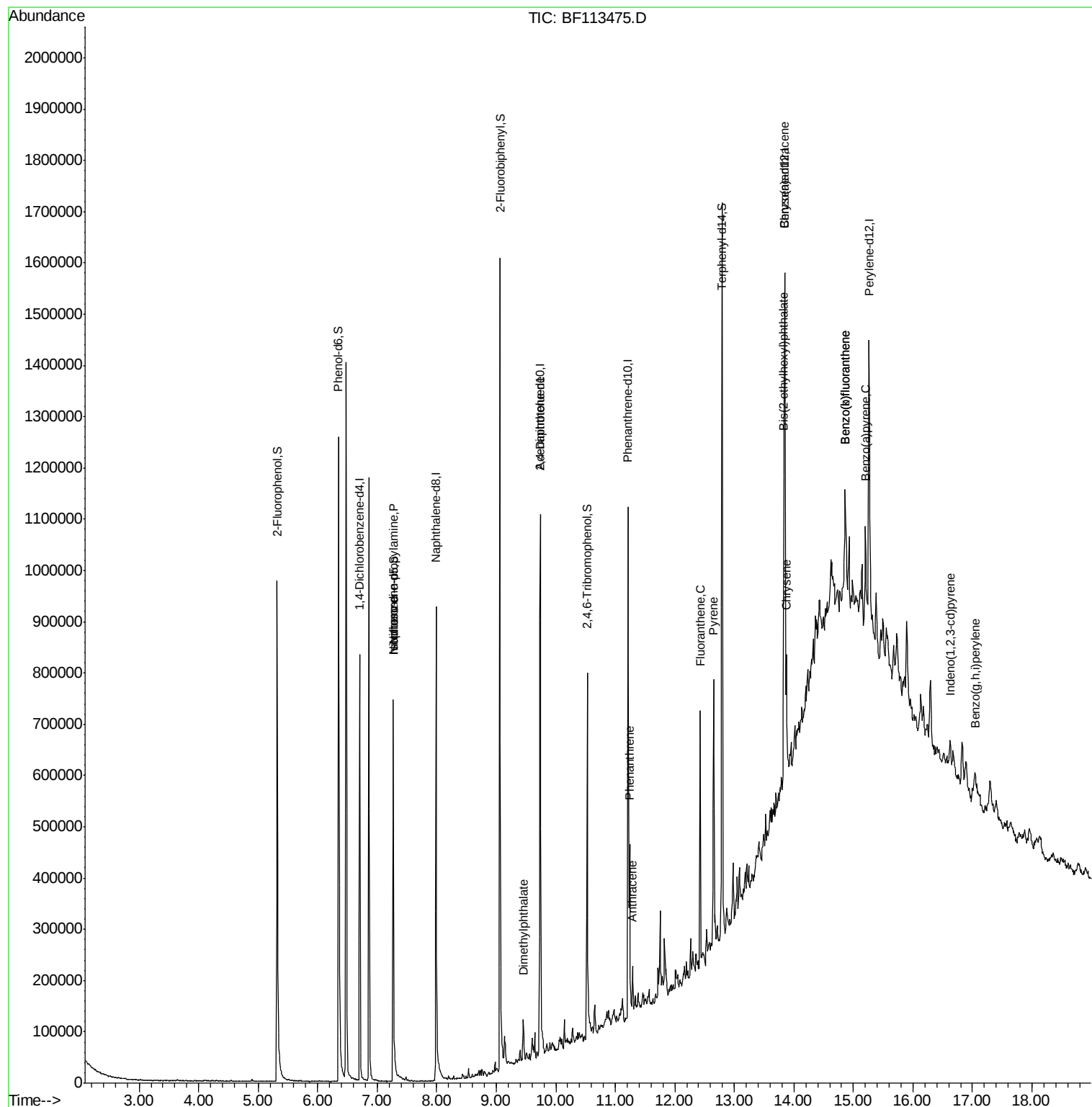
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.27	70	35708	5.704	ng	# 74
25) Isophorone	7.27	82	273866	16.752	ng	# 64
50) Dimethylphthalate	9.46	163	34331	2.056	ng	# 97
57) 2,4-Dinitrotoluene	9.74	165	28042	5.854	ng	# 23
71) Phenanthrene	11.24	178	116865	5.870	ng	98
72) Anthracene	11.29	178	41928	2.073	ng	98
75) Fluoranthene	12.43	202	222085	9.867	ng	98
78) Pyrene	12.65	202	226001	9.087	ng	99
81) Benzo(a)anthracene	13.84	228	109380	5.324	ng	94
83) Chrysene	13.87	228	110113	5.277	ng	96
84) Bis(2-ethylhexyl)phthalate	13.83	149	116764	8.690	ng	# 98
86) Indeno(1,2,3-cd)pyrene	16.63	276	35908	2.005	ng	96
88) Benzo(b)fluoranthene	14.86	252	125764	8.508	ng	# 81
89) Benzo(k)fluoranthene	14.86	252	125764	9.688	ng	# 80
90) Benzo(a)pyrene	15.20	252	66786	5.096	ng	# 86
92) Benzo(g,h,i)perylene	17.04	276	37351	3.269	ng	# 86

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

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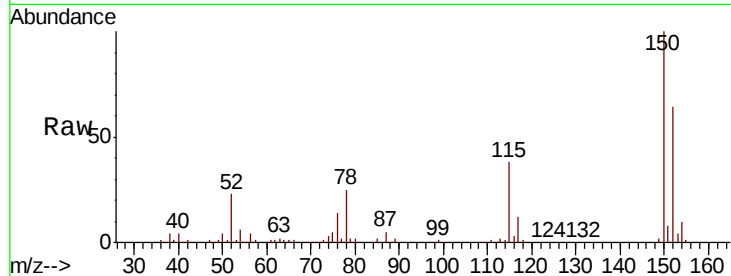


#1

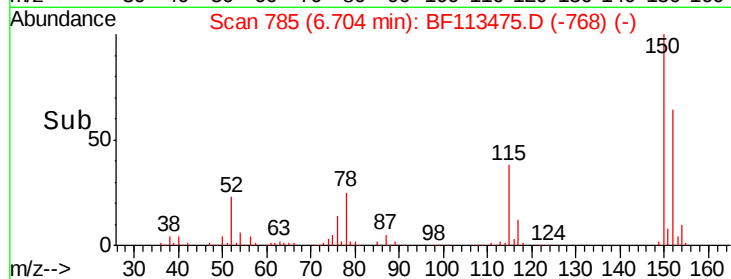
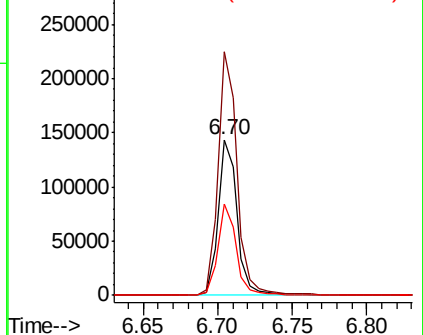
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Instrument :
BNA_F
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

Tgt Ion:152 Resp: 128826
Ion Ratio Lower Upper
152 100
150 156.6 124.7 187.1
115 59.0 46.0 69.0



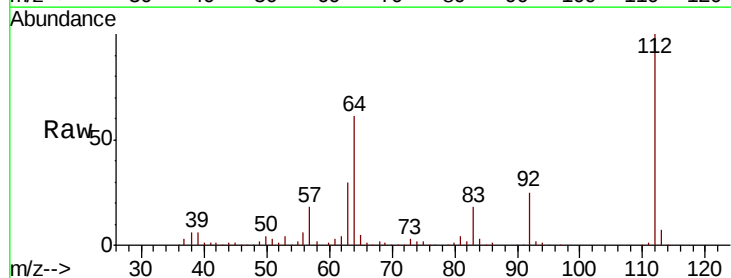
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



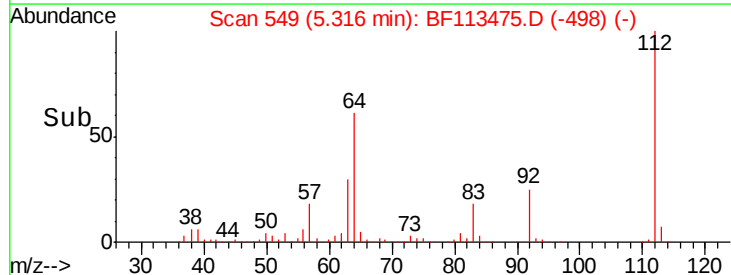
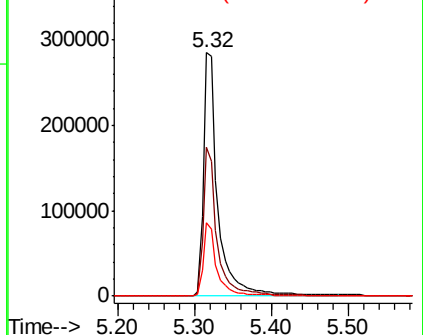
#5

2-Fluorophenol
Concen: 47.505 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Tgt Ion:112 Resp: 374275
Ion Ratio Lower Upper
112 100
64 61.1 49.2 73.8
63 30.0 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: 50.880 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

Instrument :

BNA_F

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-1

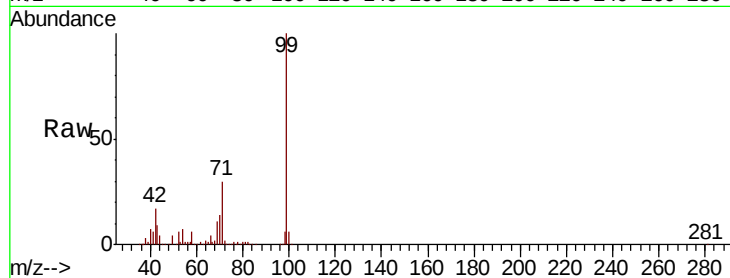
Tgt Ion: 99 Resp: 507121

Ion Ratio Lower Upper

99 100

42 17.5 14.8 22.2

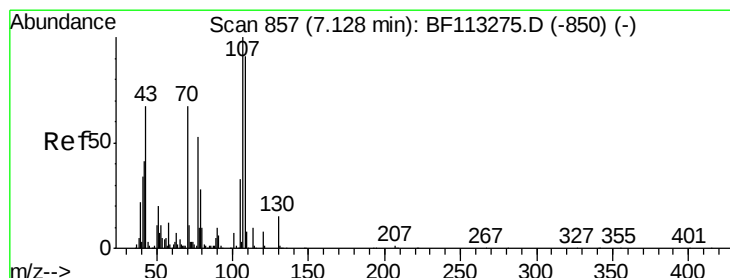
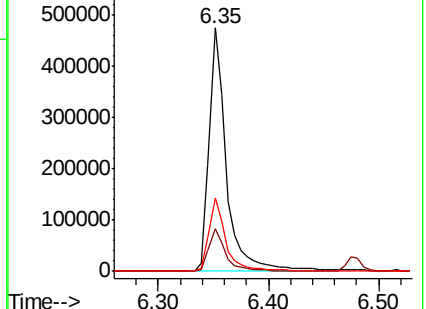
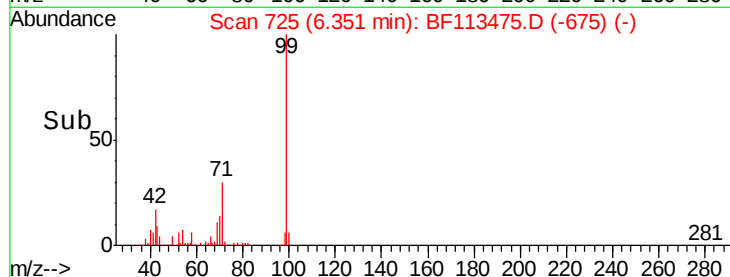
71 30.1 24.9 37.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 5.704 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

Tgt Ion: 70 Resp: 35708

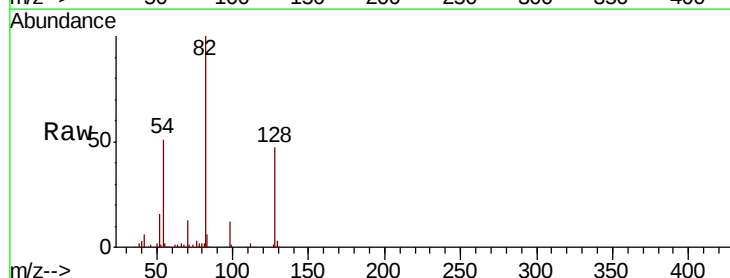
Ion Ratio Lower Upper

70 100

42 45.6 48.4 72.6#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#

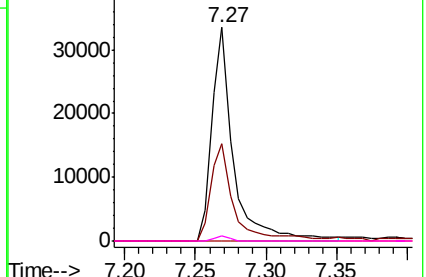
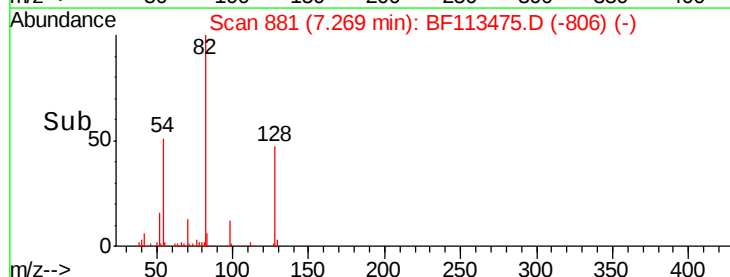


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.99 min Scan# 1003

Delta R.T. -0.00 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

Instrument :

BNA_F

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-1

Tgt Ion: 136 Resp: 500694

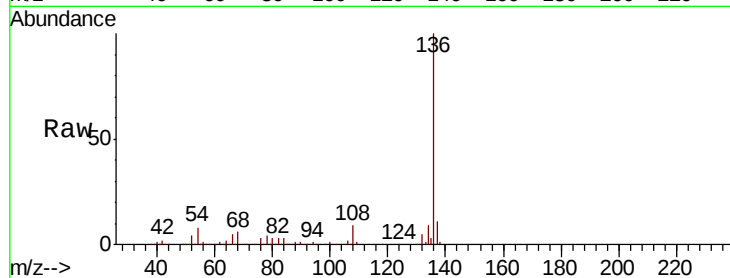
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.4 7.0 10.6

68 6.2 4.8 7.2

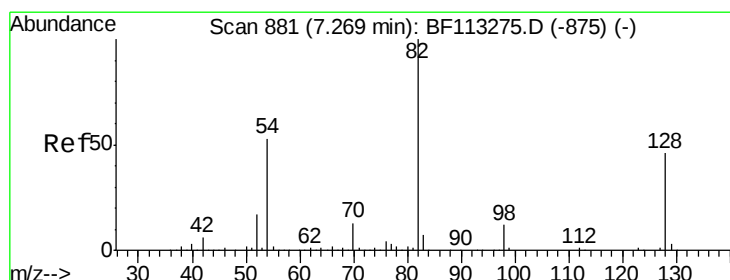
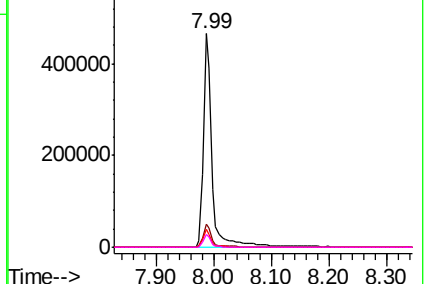
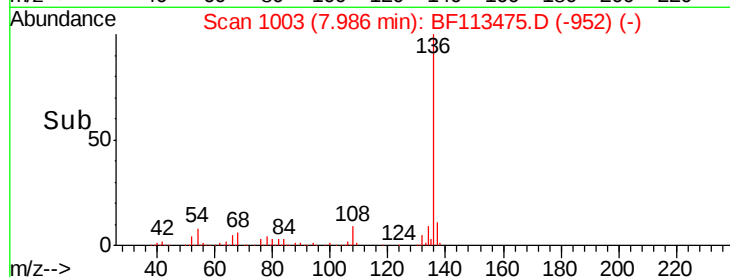


Abundance Ion 136.00 (135.70 to 136.70): E

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: 32.465 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.00 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

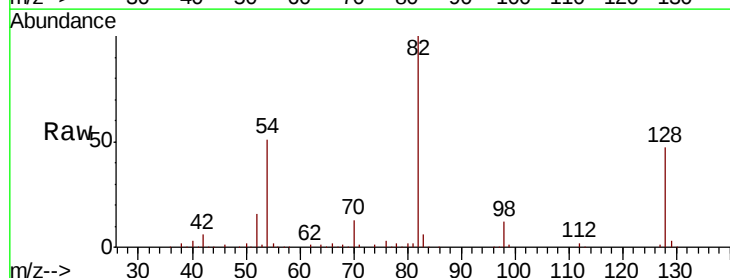
Tgt Ion: 82 Resp: 273868

Ion Ratio Lower Upper

82 100

128 46.8 36.5 54.7

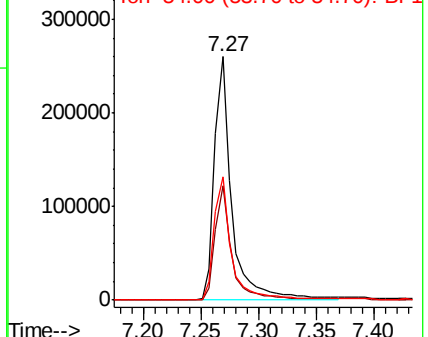
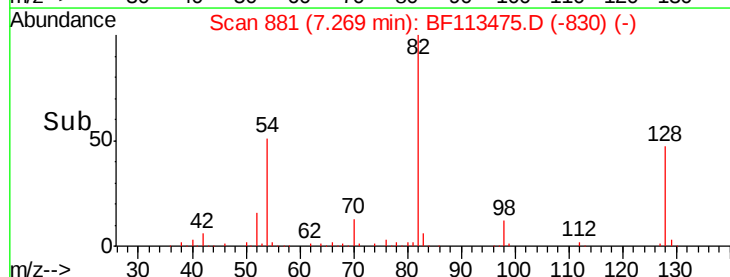
54 50.7 42.2 63.2

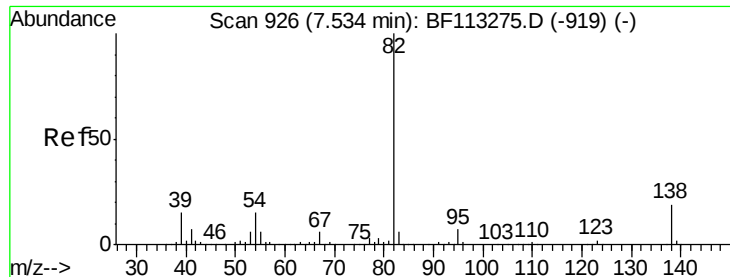


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 16.752 ng

RT: 7.27 min Scan# 881

Delta R.T. -0.26 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

Instrument :

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BELT-PARKWAY-STAGING-YARD-1

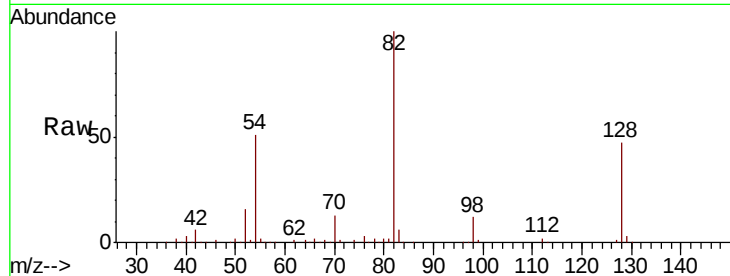
Tgt Ion: 82 Resp: 273866

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

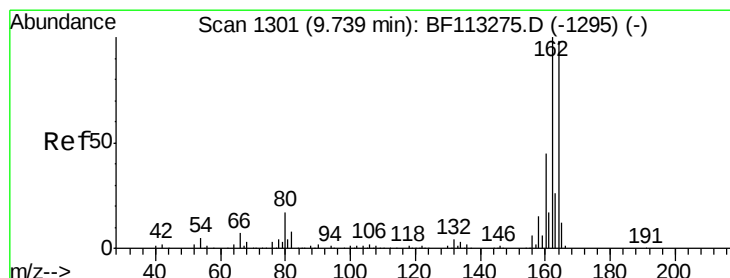
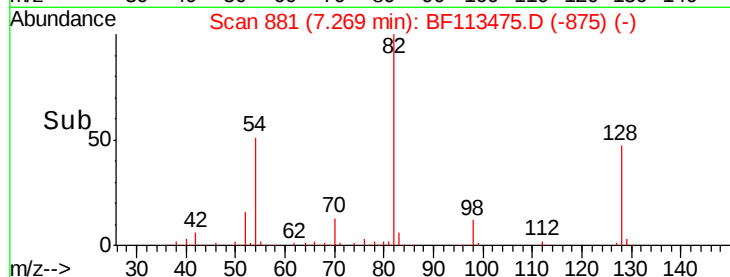
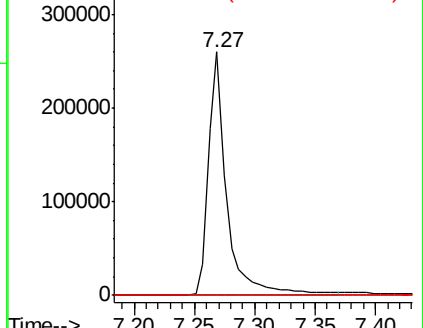
138 0.0 15.2 22.8#



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: 9.74 min Scan# 1301

Delta R.T. -0.00 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

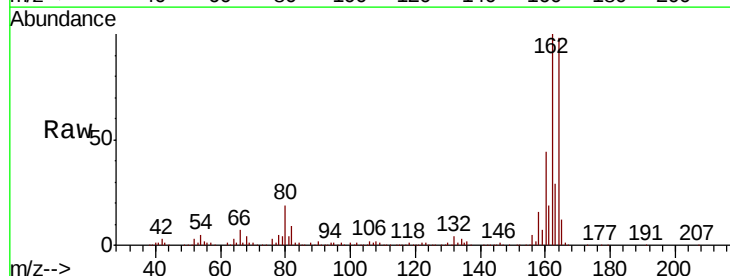
Tgt Ion: 164 Resp: 225317

Ion Ratio Lower Upper

164 100

162 101.9 81.8 122.6

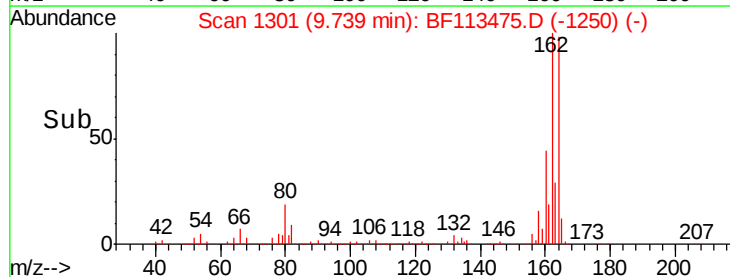
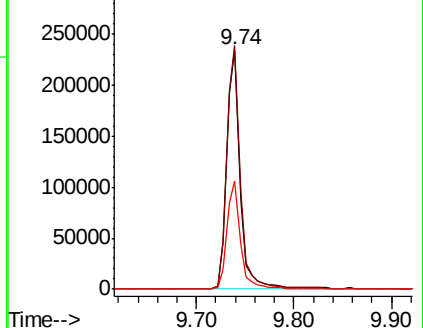
160 45.2 36.4 54.6

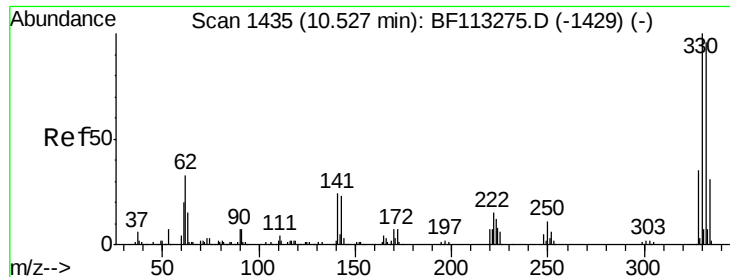


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 43.945 ng

RT: 10.53 min Scan# 1435

Delta R.T. 0.00 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

Instrument :

BNA_F

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-1

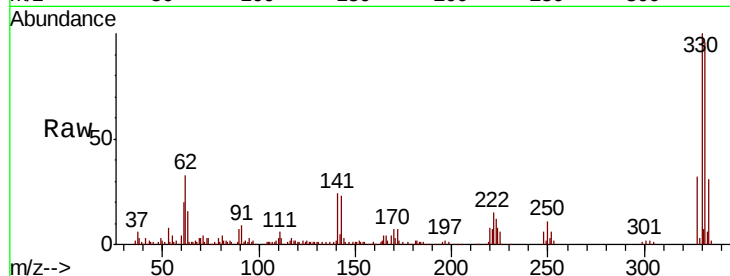
Tgt Ion:330 Resp: 122307

Ion Ratio Lower Upper

330 100

332 96.1 77.8 116.6

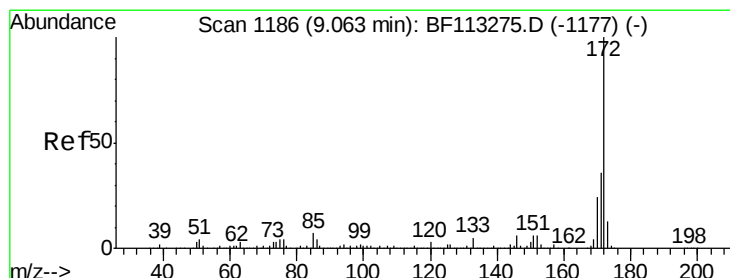
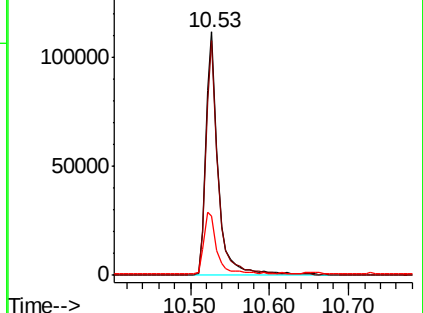
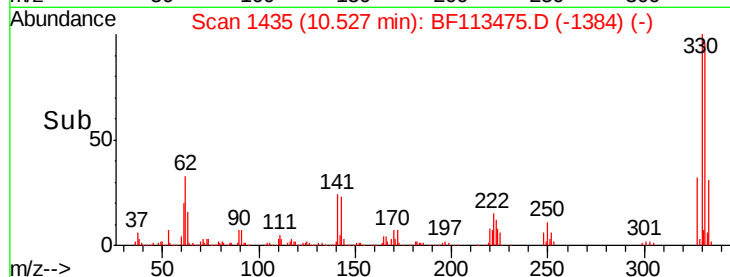
141 26.3 22.7 34.1



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: 27.832 ng

RT: 9.06 min Scan# 1186

Delta R.T. 0.00 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

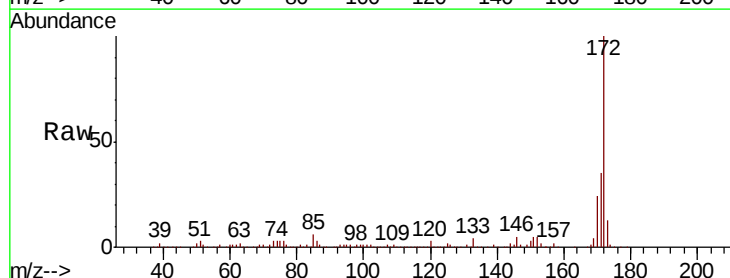
Tgt Ion:172 Resp: 570623

Ion Ratio Lower Upper

172 100

171 35.0 29.0 43.6

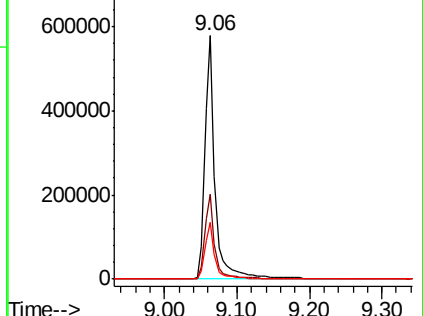
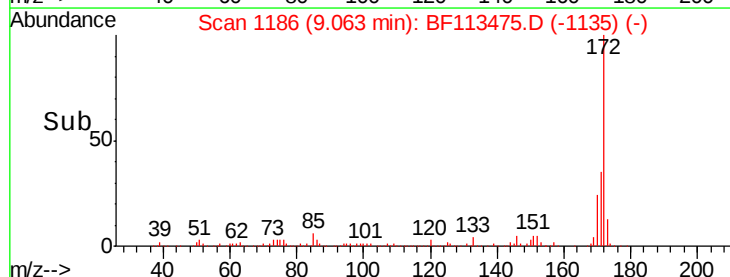
170 23.5 19.5 29.3

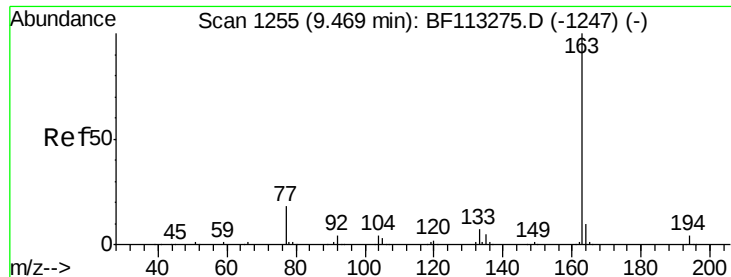


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

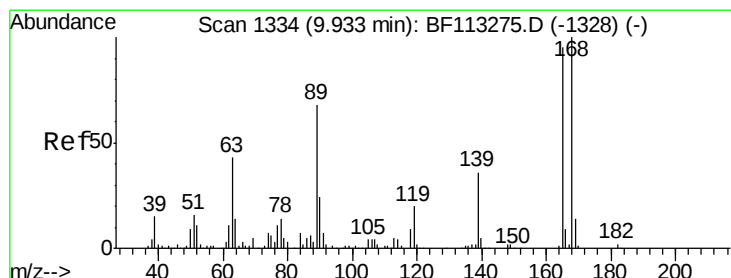
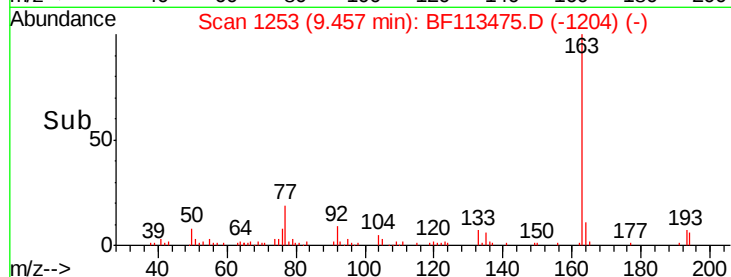
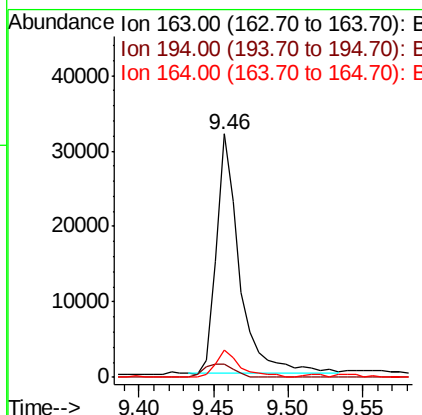
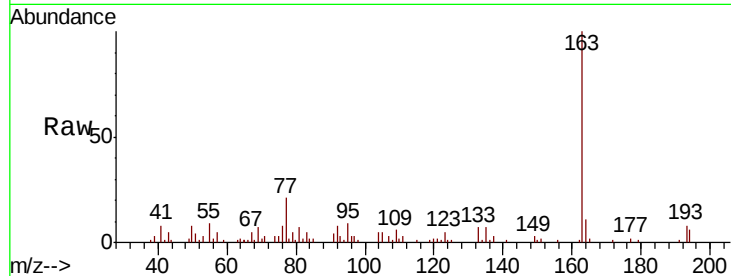




#50
 Dimethylphthalate
 Concen: 2.056 ng
 RT: 9.46 min Scan# 1253
 Delta R.T. -0.01 min
 Lab File: BF113475.D
 Acq: 1 Apr 2019 19:19

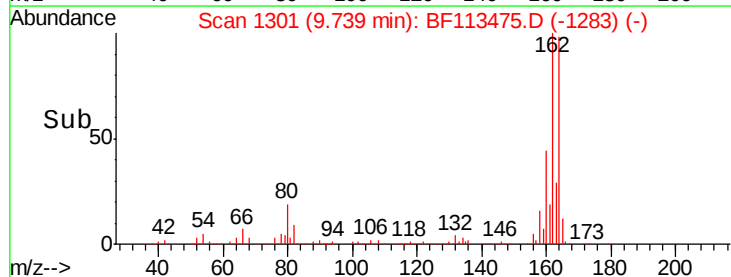
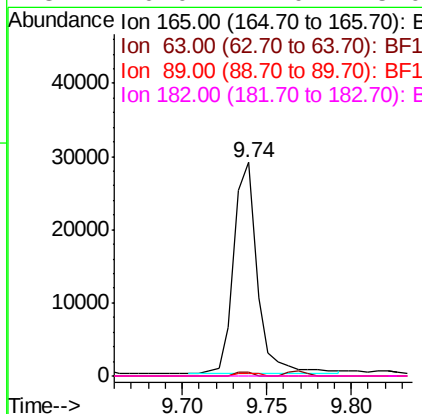
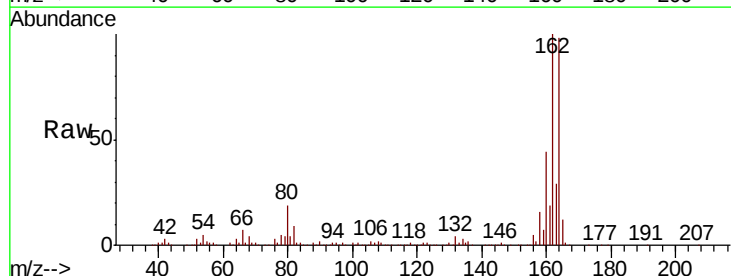
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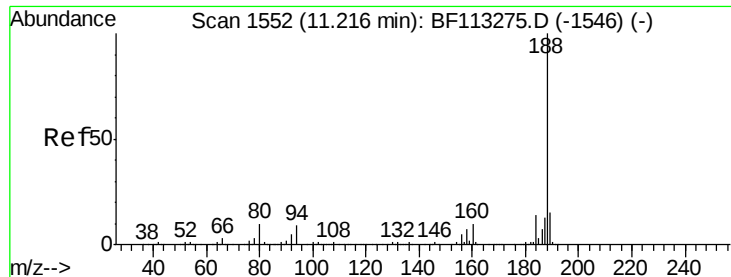
Tgt Ion:163 Resp: 34331
 Ion Ratio Lower Upper
 163 100
 194 5.5 3.0 4.6#
 164 11.1 8.1 12.1



#57
 2,4-Dinitrotoluene
 Concen: 5.854 ng
 RT: 9.74 min Scan# 1301
 Delta R.T. -0.19 min
 Lab File: BF113475.D
 Acq: 1 Apr 2019 19:19

Tgt Ion:165 Resp: 28042
 Ion Ratio Lower Upper
 165 100
 63 1.5 37.5 56.3#
 89 1.3 57.4 86.2#
 182 0.0 2.0 3.0#

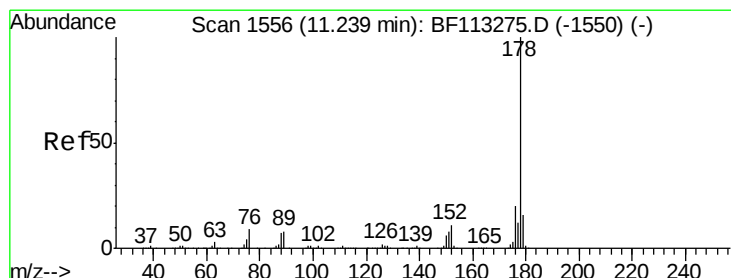
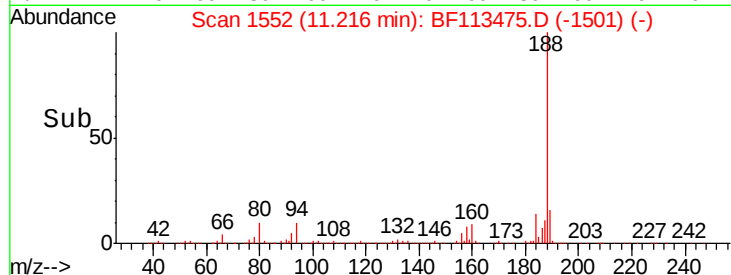
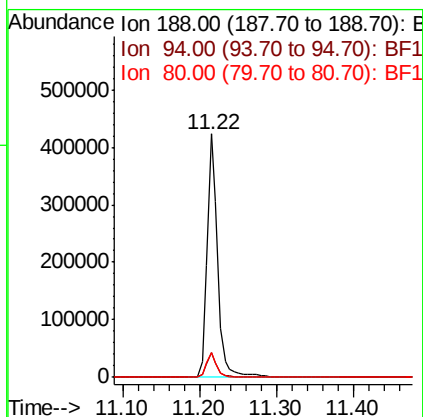
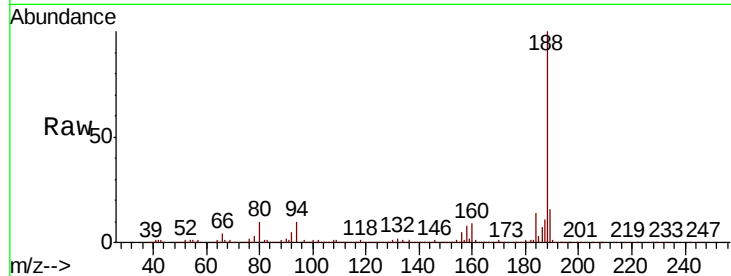




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. -0.00 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

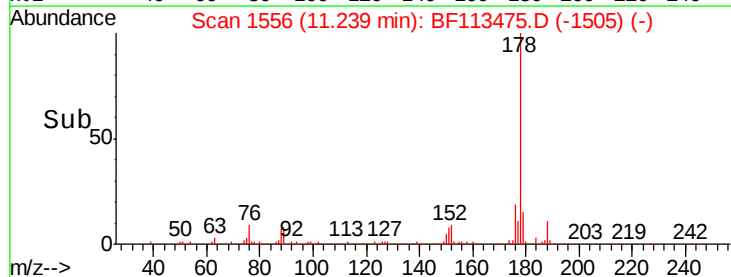
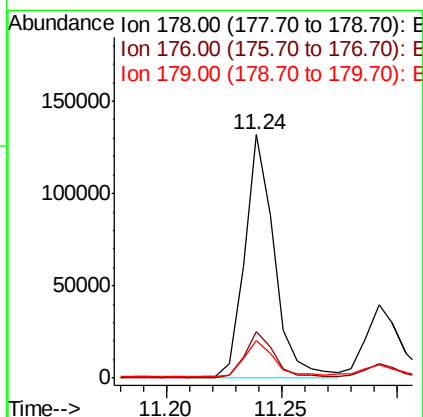
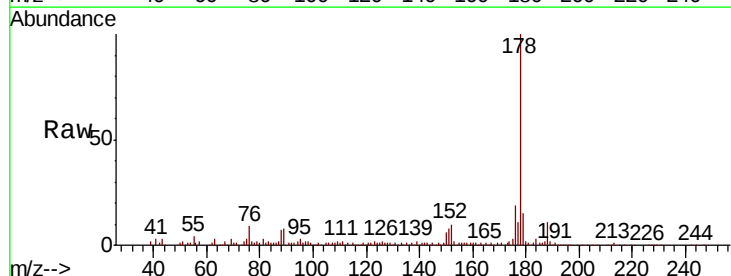
Instrument :
BNA_F
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

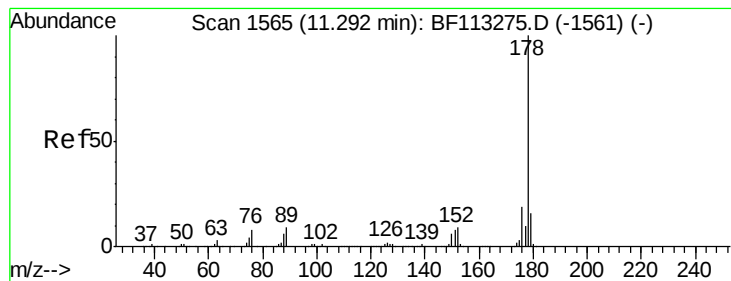
Tgt Ion:188 Resp: 400928
Ion Ratio Lower Upper
188 100
94 10.0 7.0 10.6
80 10.0 7.7 11.5



#71
Phenanthrene
Concen: 5.870 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Tgt Ion:178 Resp: 116865
Ion Ratio Lower Upper
178 100
176 18.8 16.2 24.2
179 15.5 12.7 19.1





#72

Anthracene

Concen: 2.073 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

Instrument :

BNA_F

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-1

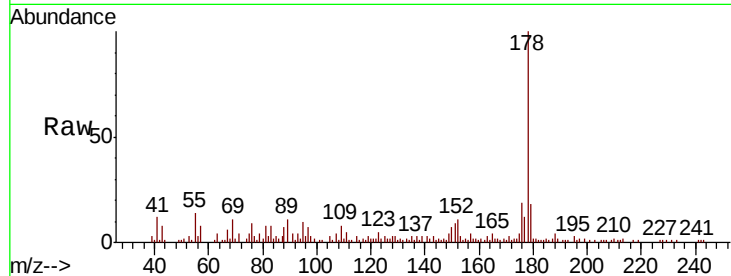
Tgt Ion:178 Resp: 41928

Ion Ratio Lower Upper

178 100

176 19.5 15.4 23.2

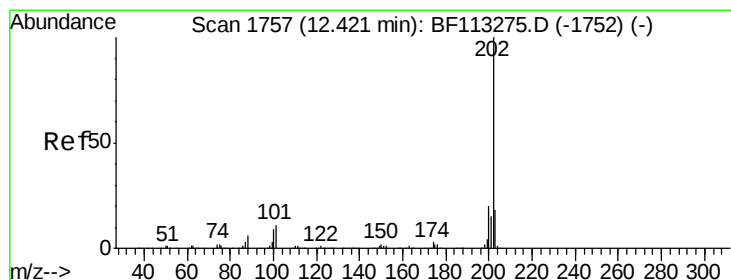
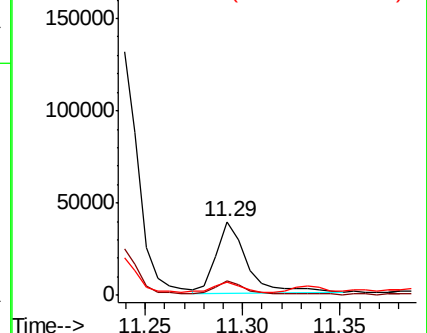
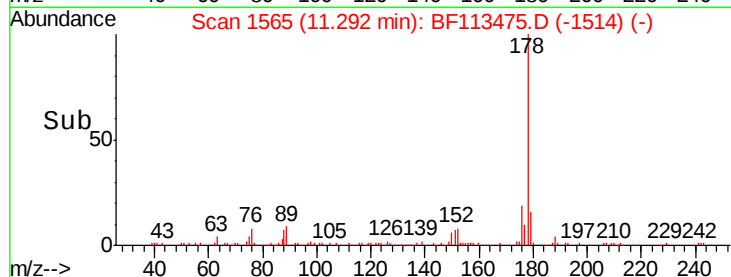
179 17.5 12.8 19.2



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: 9.867 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

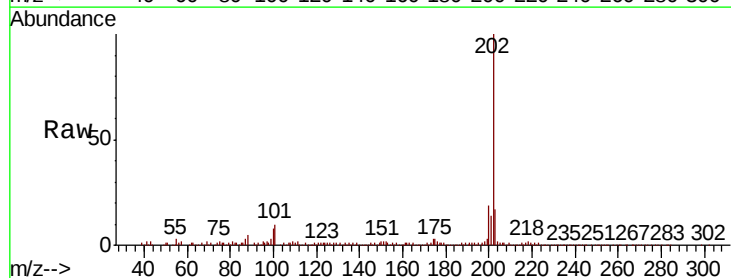
Tgt Ion:202 Resp: 222085

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.4

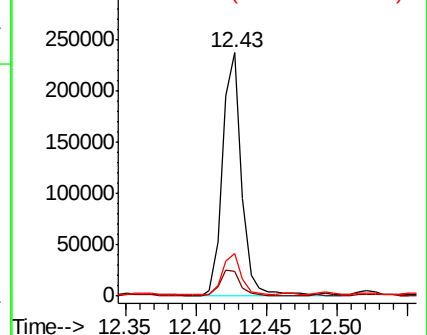
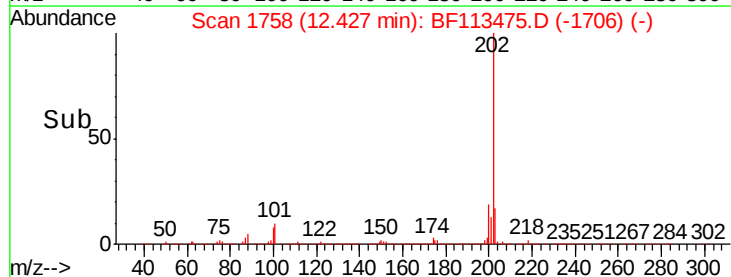
203 17.3 0.0 38.0

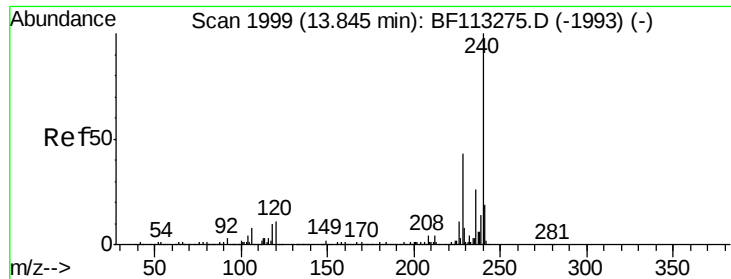


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

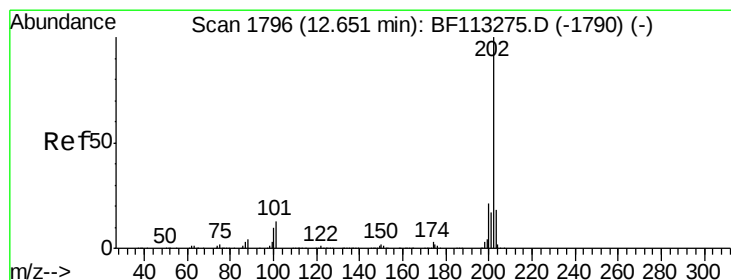
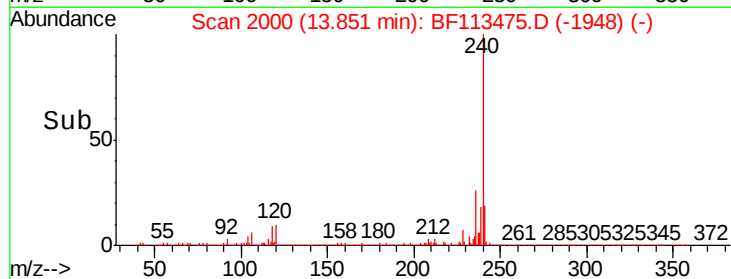
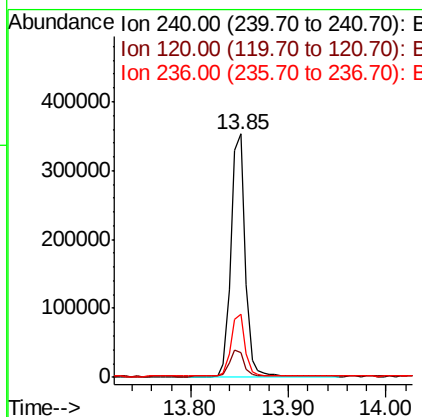
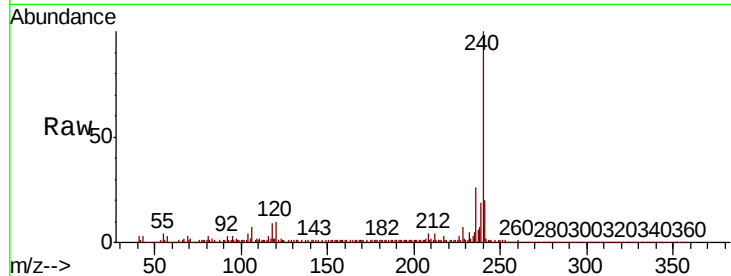




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.85 min Scan# 2000
Delta R.T. 0.01 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

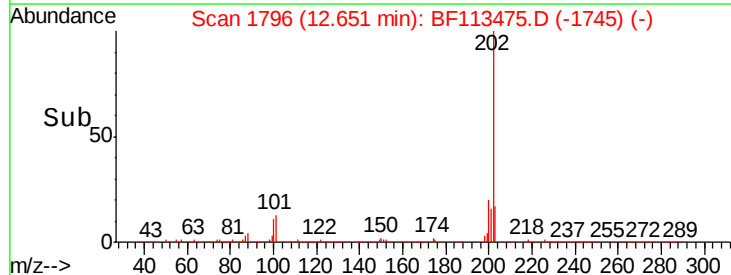
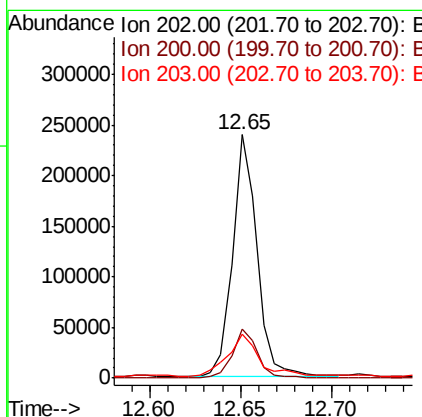
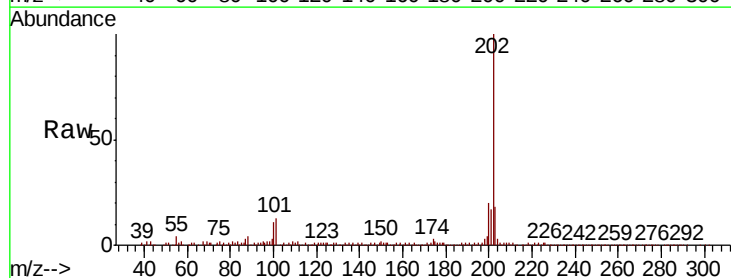
Instrument :
BNA_F
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

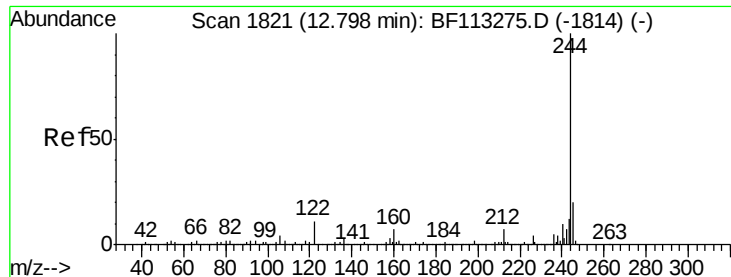
Tgt Ion:240 Resp: 358899
Ion Ratio Lower Upper
240 100
120 10.3 8.8 13.2
236 25.9 20.9 31.3



#78
Pyrene
Concen: 9.087 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.00 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Tgt Ion:202 Resp: 226001
Ion Ratio Lower Upper
202 100
200 20.2 16.8 25.2
203 18.1 14.4 21.6





#79

Terphenyl-d14

Concen: 34.153 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

Instrument :

BNA_F

ClientSampleId :

BELT-PARKWAY-STAGING-YARD-1

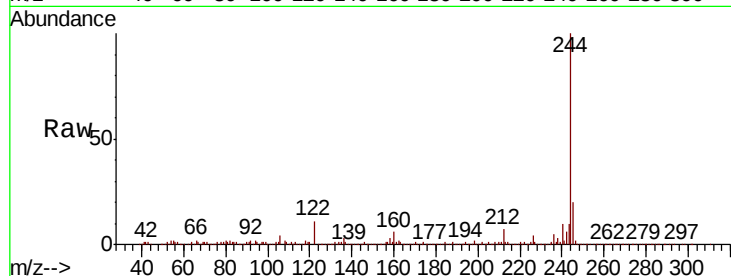
Tgt Ion:244 Resp: 556109

Ion Ratio Lower Upper

244 100

212 6.5 5.5 8.3

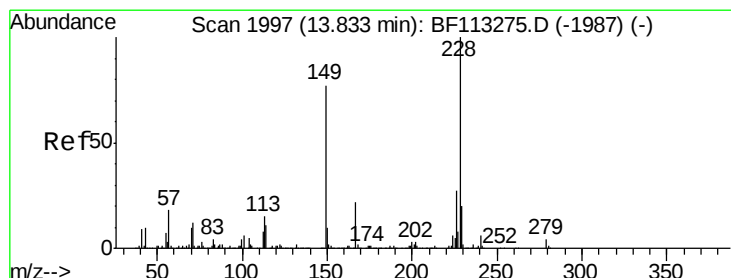
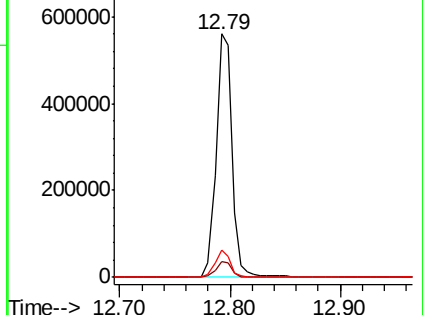
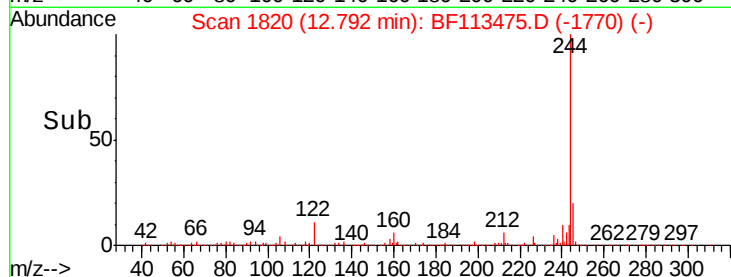
122 11.3 8.6 13.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 5.324 ng

RT: 13.84 min Scan# 1998

Delta R.T. 0.01 min

Lab File: BF113475.D

Acq: 1 Apr 2019 19:19

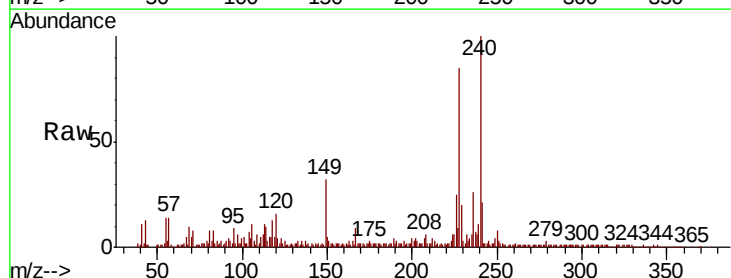
Tgt Ion:228 Resp: 109380

Ion Ratio Lower Upper

228 100

226 29.7 21.8 32.8

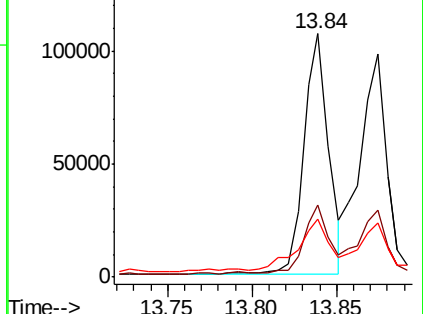
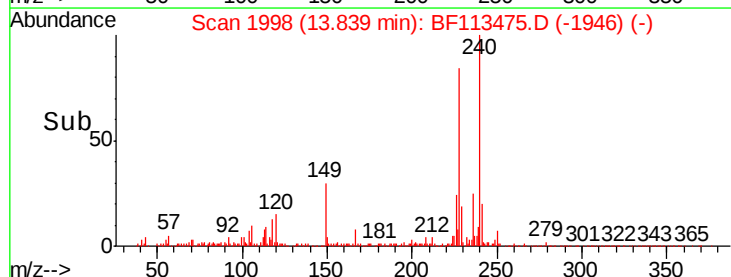
229 24.0 16.2 24.4

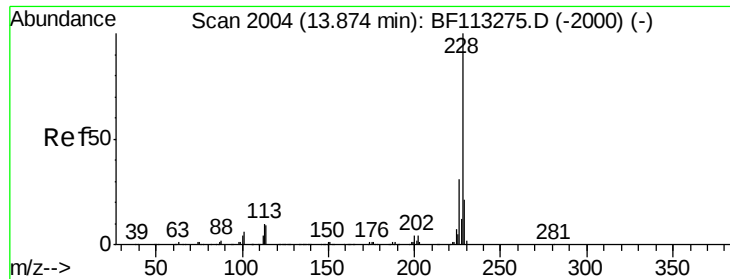


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

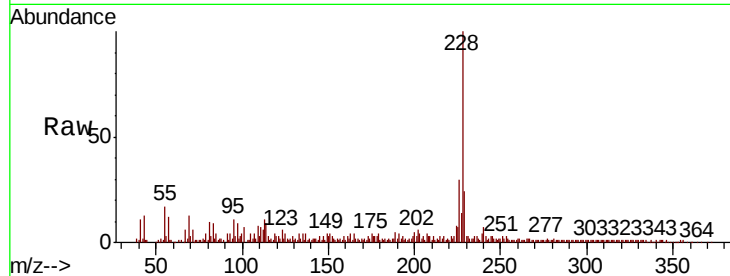




#83
Chrysene
Concen: 5.277 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.00 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Instrument :
BNA_F
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.3	36.5
229	24.4	16.3	24.5

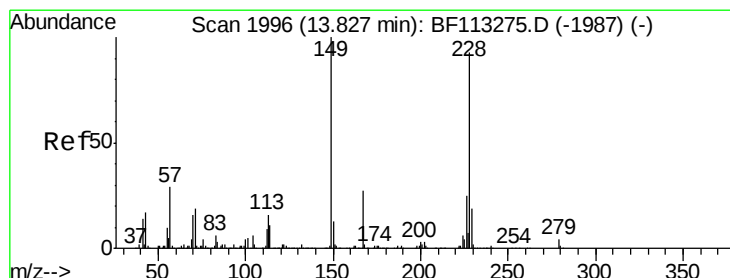
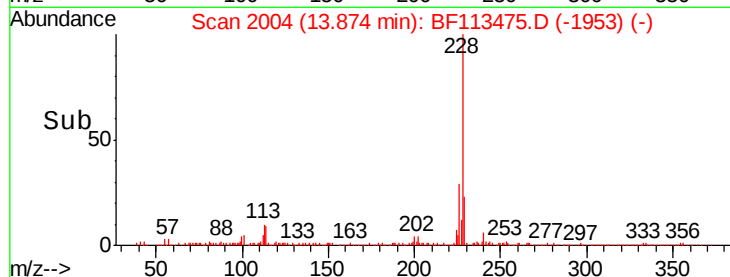
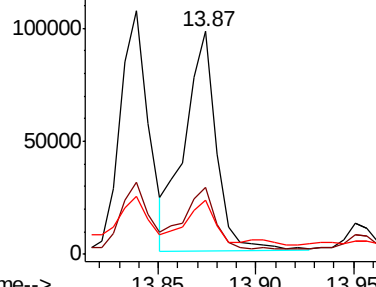


Abundance

Ion 228.00 (227.70 to 228.70): E

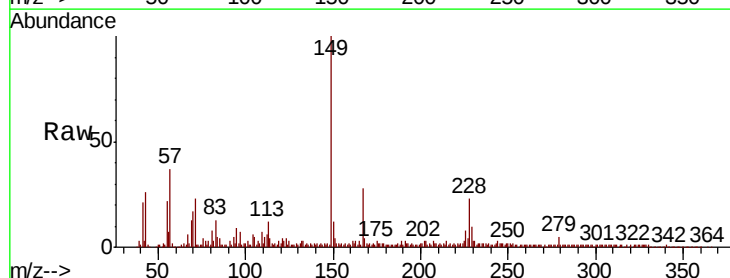
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84
Bis(2-ethylhexyl)phthalate
Concen: 8.690 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.00 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Tgt Ion	Ratio	Lower	Upper
149	100		
167	28.5	21.8	32.8
279	4.6	2.9	4.3

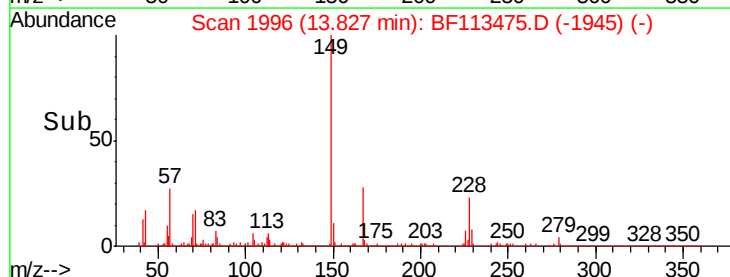
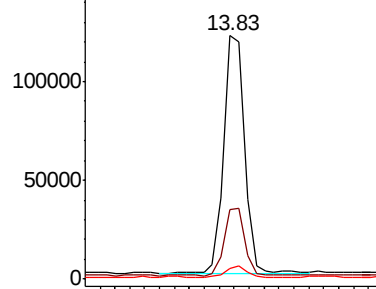


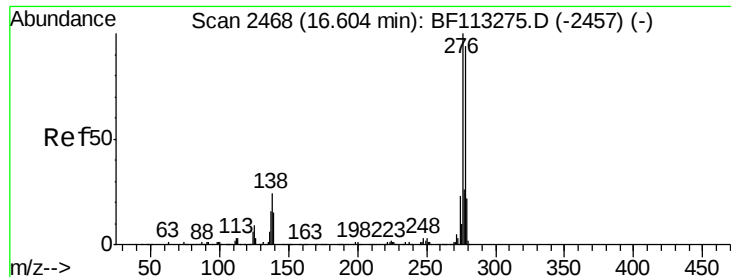
Abundance

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

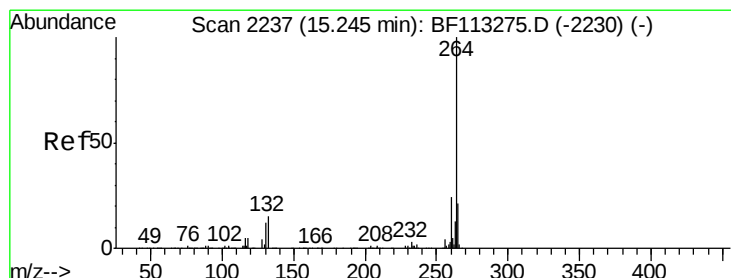
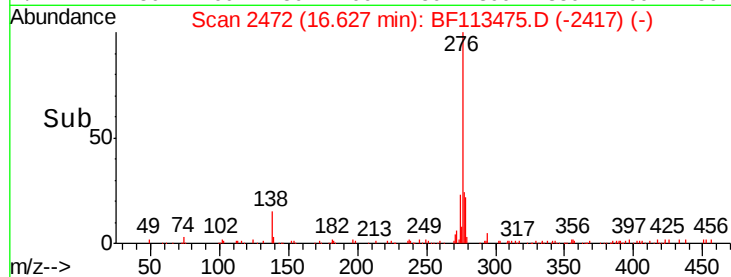
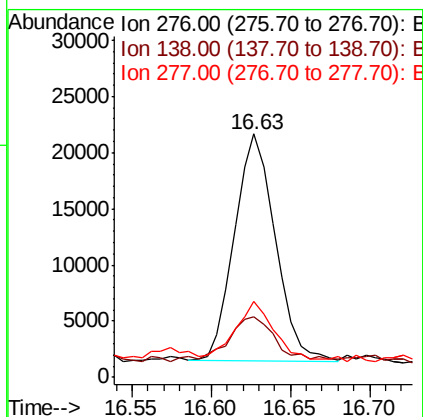
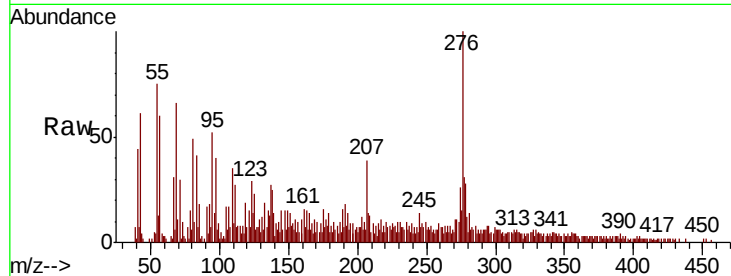




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.005 ng
 RT: 16.63 min Scan# 2472
 Delta R.T. 0.02 min
 Lab File: BF113475.D
 Acq: 1 Apr 2019 19:19

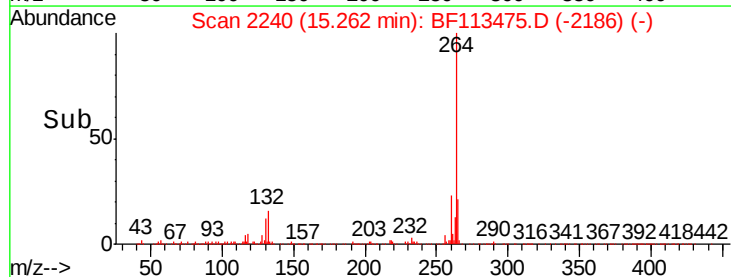
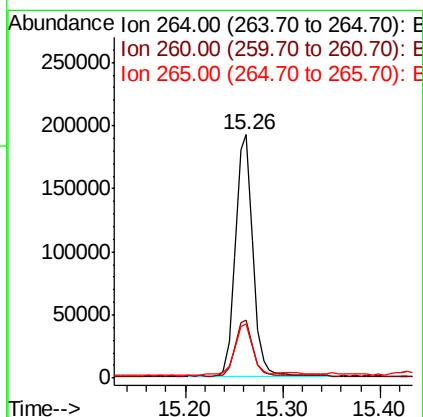
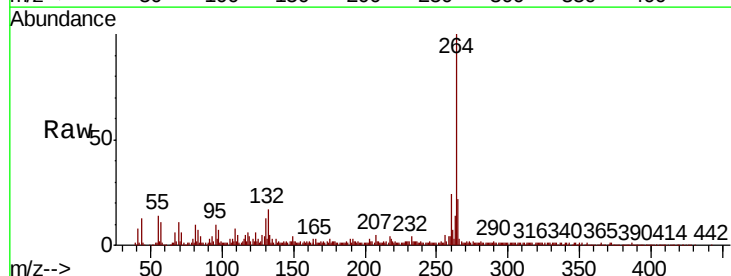
Instrument :
 BNA_F
 ClientSampleId :
 BELT-PARKWAY-STAGING-YARD-1

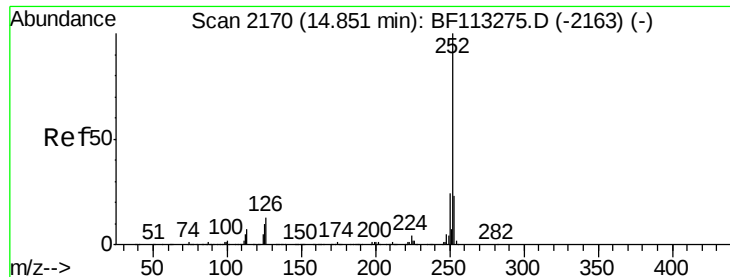
Tgt Ion: 276 Resp: 35908
 Ion Ratio Lower Upper
 276 100
 138 24.5 18.1 27.1
 277 23.5 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.26 min Scan# 2240
 Delta R.T. 0.02 min
 Lab File: BF113475.D
 Acq: 1 Apr 2019 19:19

Tgt Ion: 264 Resp: 237971
 Ion Ratio Lower Upper
 264 100
 260 23.9 19.1 28.7
 265 22.5 17.1 25.7

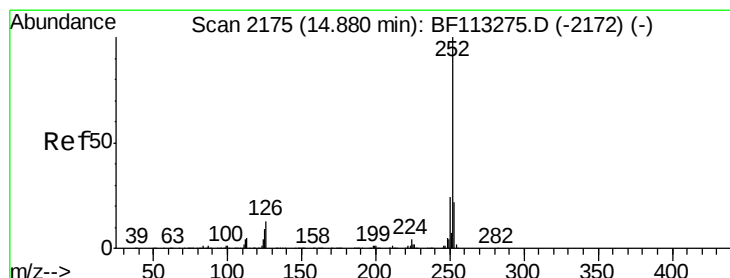
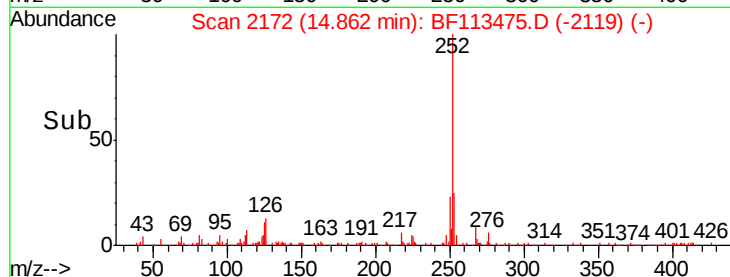
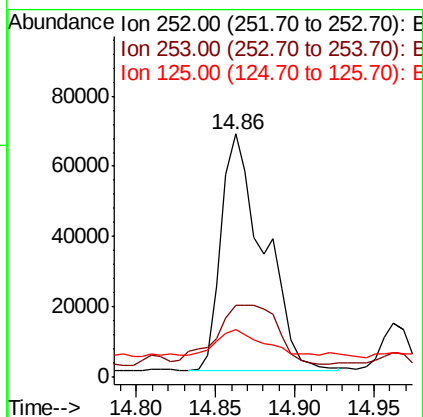
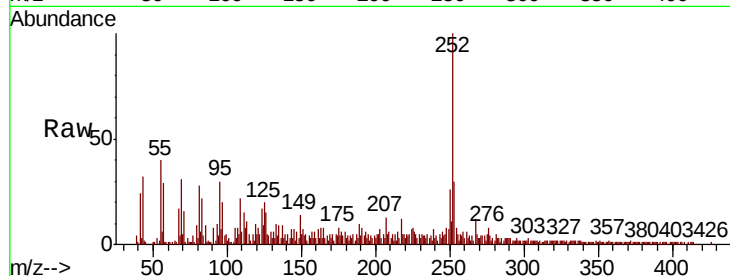




#88
Benzo(b)fluoranthene
Concen: 8.508 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

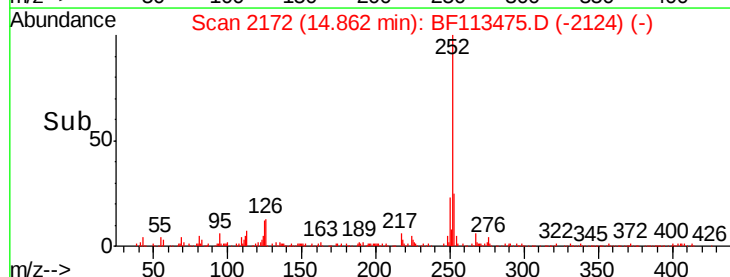
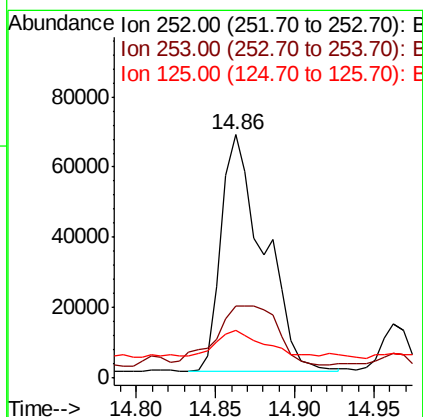
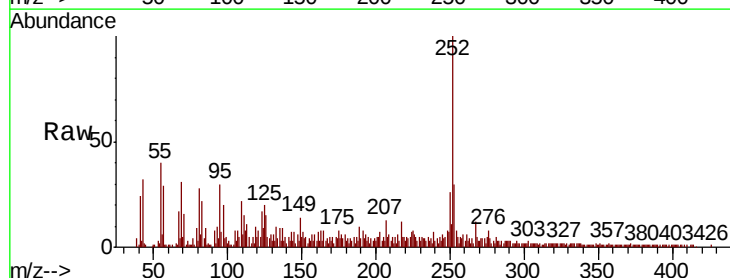
Instrument :
BNA_F
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

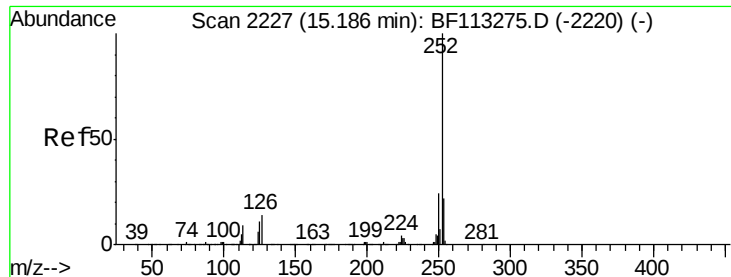
Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	18.0	27.0#
125	19.6	7.6	11.4#



#89
Benzo(k)fluoranthene
Concen: 9.688 ng
RT: 14.86 min Scan# 2172
Delta R.T. -0.02 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.7	26.5#
125	19.6	7.3	10.9#

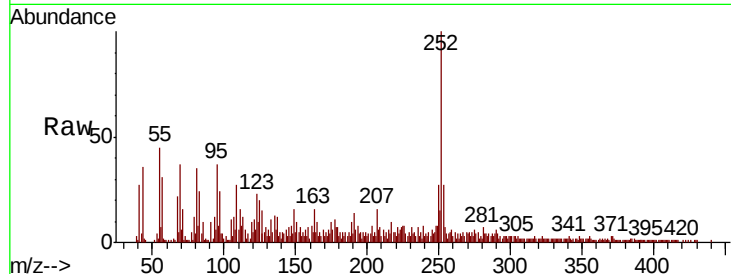




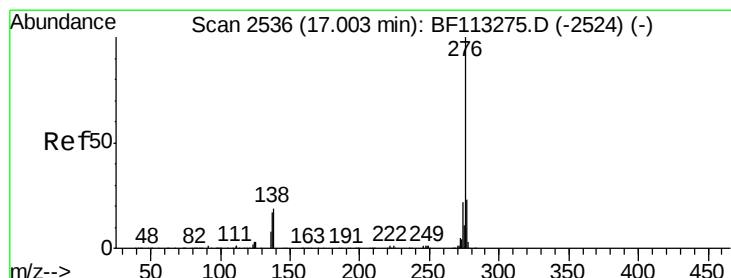
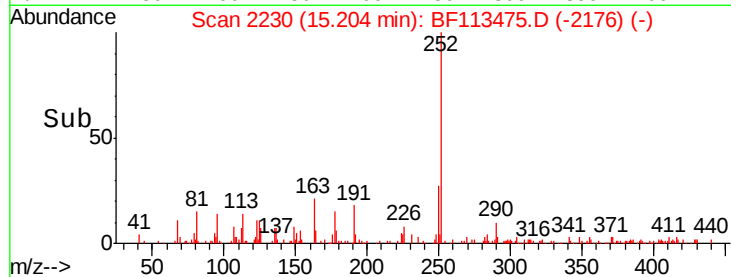
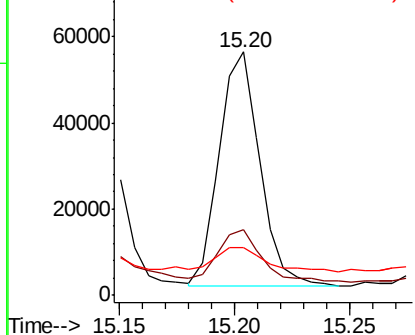
#90
Benzo(a)pyrene
Concen: 5.096 ng
RT: 15.20 min Scan# 2230
Delta R.T. 0.02 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Instrument :
BNA_F
ClientSampleId :
BELT-PARKWAY-STAGING-YARD-1

Tgt Ion: 252 Resp: 66786
Ion Ratio Lower Upper
252 100
253 27.2 17.9 26.9#
125 19.6 8.8 13.2#

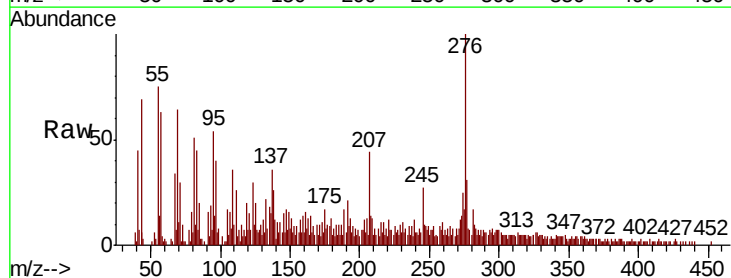


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.269 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.04 min
Lab File: BF113475.D
Acq: 1 Apr 2019 19:19

Tgt Ion: 276 Resp: 37351
Ion Ratio Lower Upper
276 100
277 30.7 18.8 28.2#
138 25.9 15.6 23.4#



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

