

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032719\
 Data File : BF113344.D
 Acq On : 27 Mar 2019 21:33
 Operator : JU/SJ
 Sample : K2090-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P-5(0-10)

Quant Time: Mar 28 01:10:59 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	205237	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	767954	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	356149	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	612622	20.00	ng	0.00
76) Chrysene-d12	13.84	240	466829	20.00	ng	0.00
87) Perylene-d12	15.24	264	406372	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	1010412	80.50	ng	0.00
7) Phenol-d6	6.35	99	1328148	83.64	ng	0.00
23) Nitrobenzene-d5	7.26	82	788795	60.96	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	324931	73.86	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1233386	46.24	ng	0.00
79) Terphenyl-d14	12.79	244	973190	45.95	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	102891	10.316	ng	# 76
20) 3+4-Methylphenols	7.15	107	1761	Below	Cal	# 58
25) Isophorone	7.26	82	761553	30.372	ng	# 64
50) Dimethylphthalate	9.45	163	115983	4.394	ng	99
57) 2,4-Dinitrotoluene	9.73	165	48202	6.366	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	18542	2.777	ng	# 1
71) Phenanthrene	11.23	178	630054	20.710	ng	99
72) Anthracene	11.29	178	162538	5.260	ng	97
74) Di-n-butylphthalate	11.77	149	75319	2.203	ng	99
75) Fluoranthene	12.42	202	1064124	30.941	ng	99
78) Pyrene	12.65	202	1008682	31.181	ng	100
81) Benzo(a)anthracene	13.83	228	589768	22.070	ng	98
83) Chrysene	13.86	228	539530	19.878	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	243862	10.469	ng	98
88) Benzo(b)fluoranthene	14.85	252	839262	33.246	ng	# 97
89) Benzo(k)fluoranthene	14.85	252	839262	37.858	ng	# 96
90) Benzo(a)pyrene	15.19	252	444364	19.856	ng	99
91) Dibenzo(a,h)anthracene	16.60	278	71181	3.678	ng	# 80
92) Benzo(g,h,i)perylene	17.00	276	236045	12.098	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.70 min Scan# 785

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

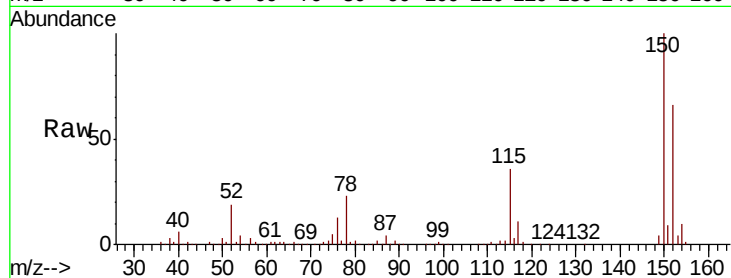
Tgt Ion:152 Resp: 205237

Ion Ratio Lower Upper

152 100

150 151.5 124.7 187.1

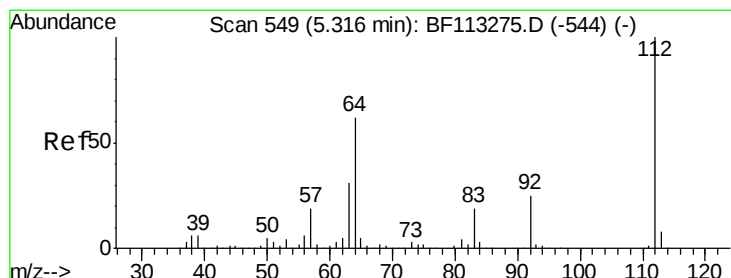
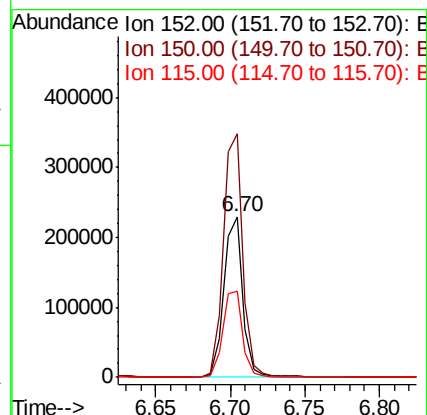
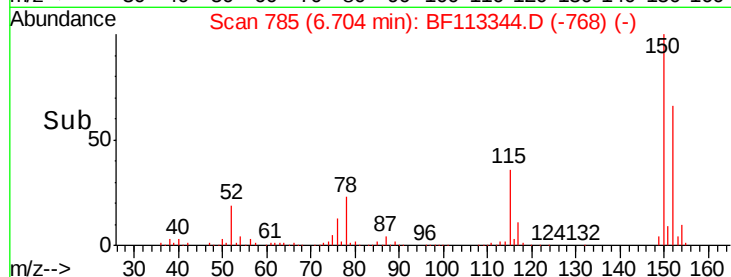
115 54.0 46.0 69.0



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: 80.499 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

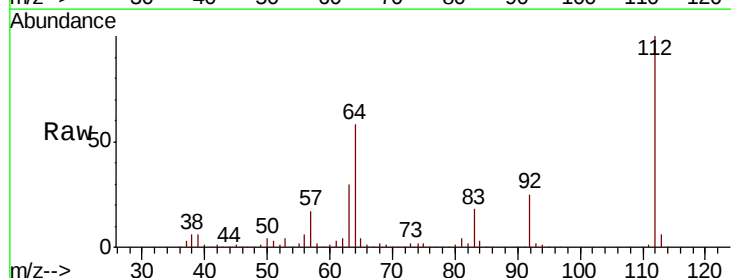
Tgt Ion:112 Resp: 1010412

Ion Ratio Lower Upper

112 100

64 58.2 49.2 73.8

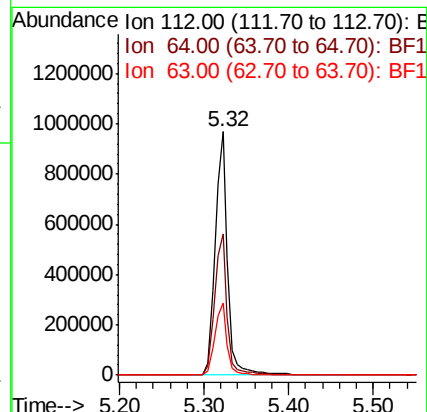
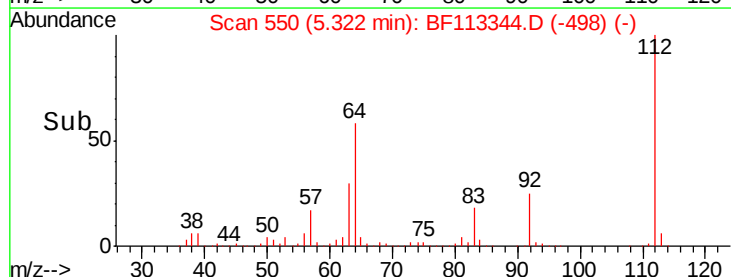
63 29.6 24.9 37.3



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: 83.643 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

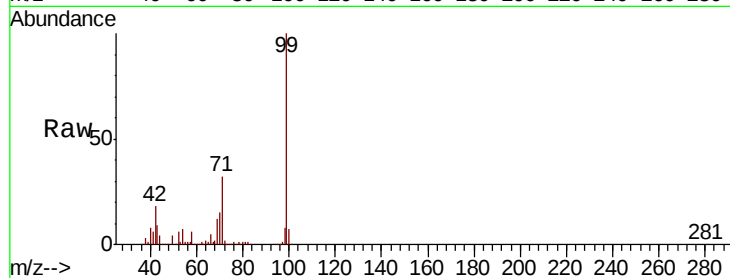
Tgt Ion: 99 Resp: 1328148

Ion Ratio Lower Upper

99 100

42 18.4 14.8 22.2

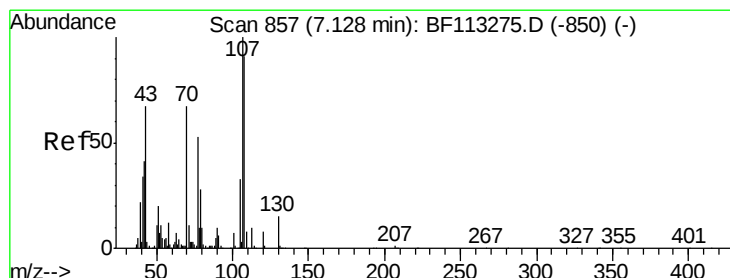
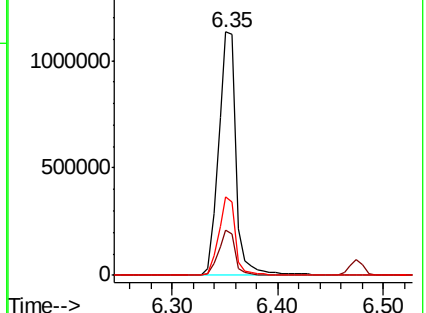
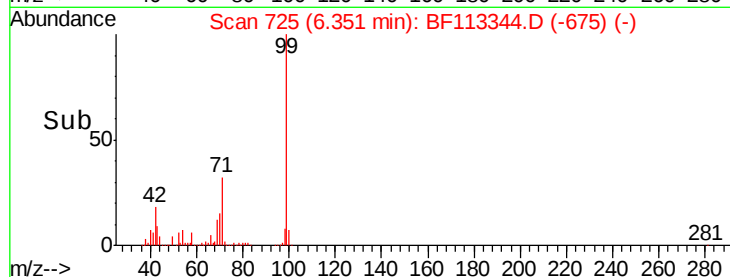
71 32.1 24.9 37.3



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: 10.316 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Tgt Ion: 70 Resp: 102891

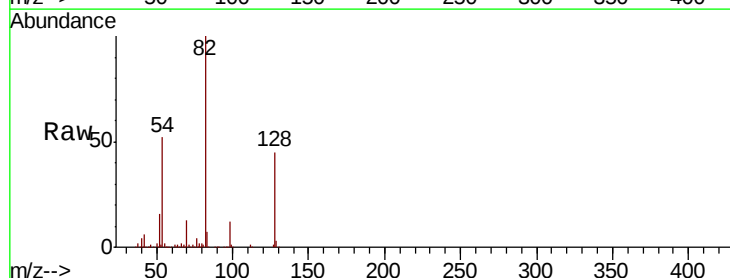
Ion Ratio Lower Upper

70 100

42 47.6 48.4 72.6#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#

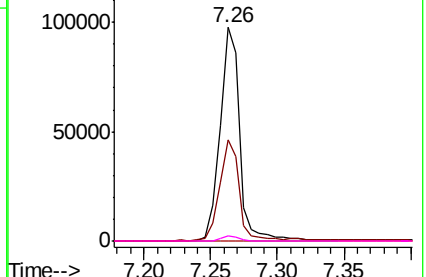
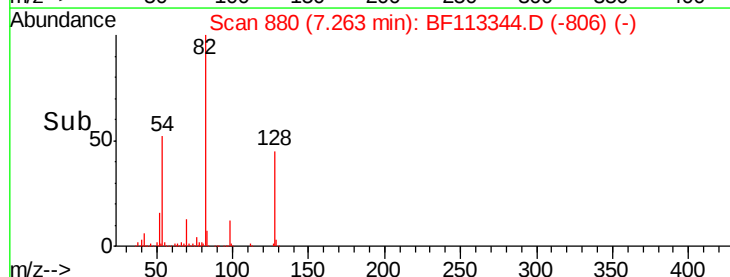


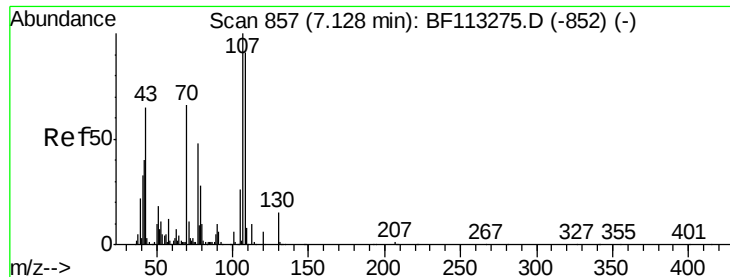
Abundance Ion 70.00 (69.70 to 70.70): BF1

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





#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.15 min Scan# 860

Delta R.T. 0.02 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

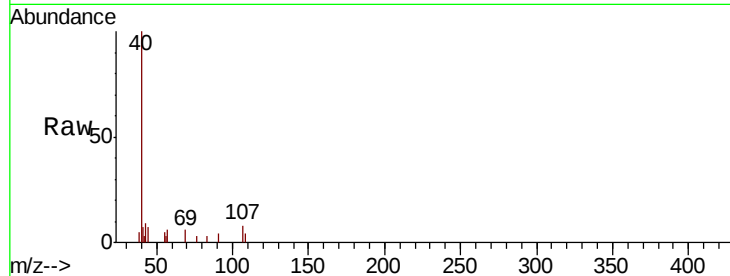
Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

Tgt Ion:	107	Resp:	1761
Ion	Ratio	Lower	Upper
107	100		
108	43.3	71.4	111.4#
77	38.2	33.5	73.5
79	0.0	8.3	48.3#



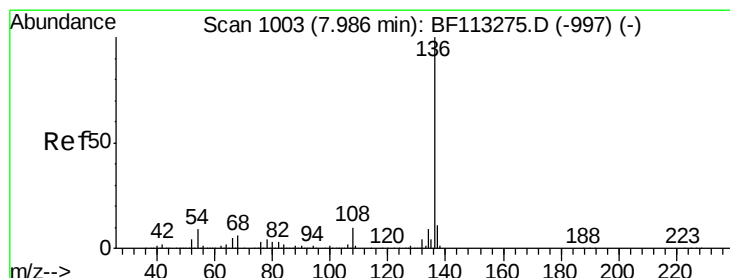
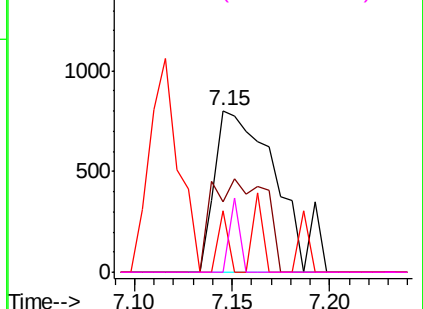
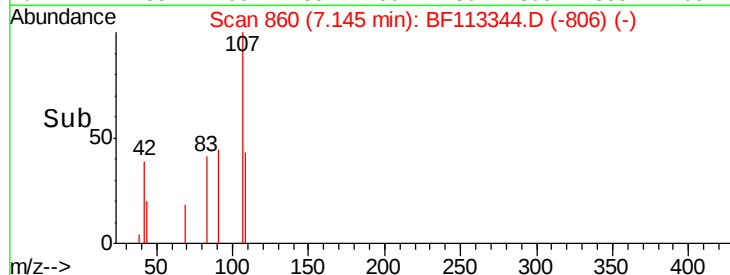
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

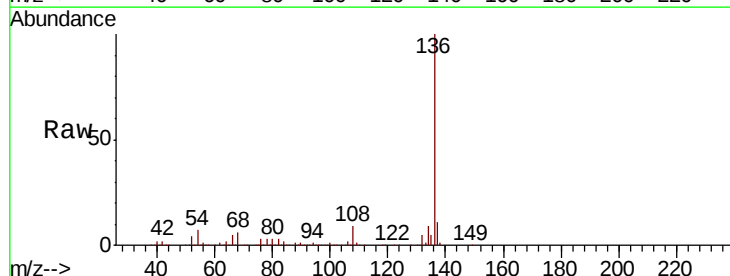
RT: 7.99 min Scan# 1003

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Tgt Ion:	136	Resp:	767954
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.3	7.0	10.6
68	5.6	4.8	7.2



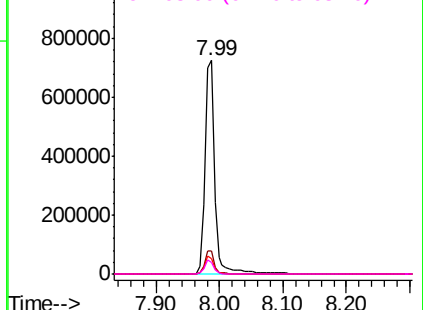
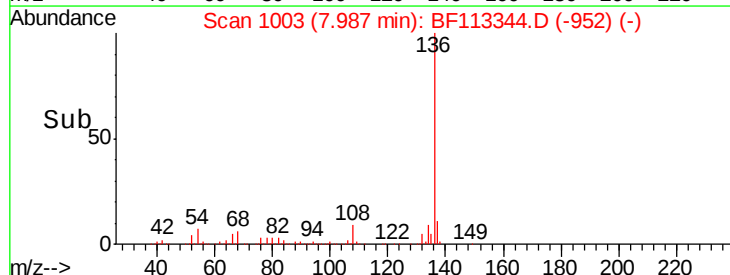
Abundance

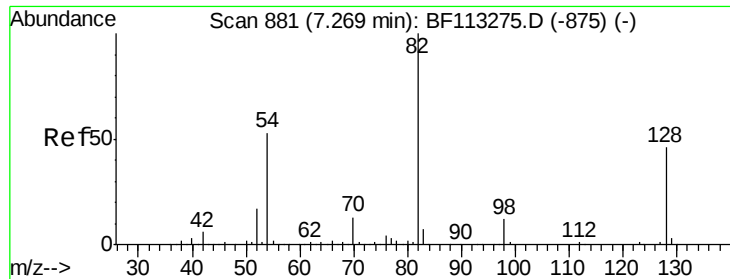
Ion 136.00 (135.70 to 136.70): E

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

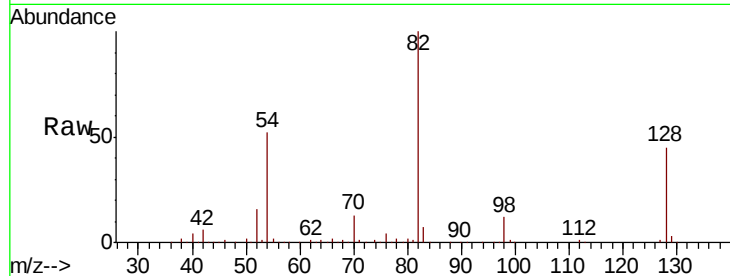




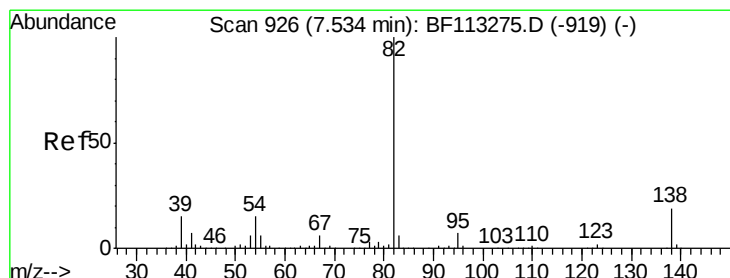
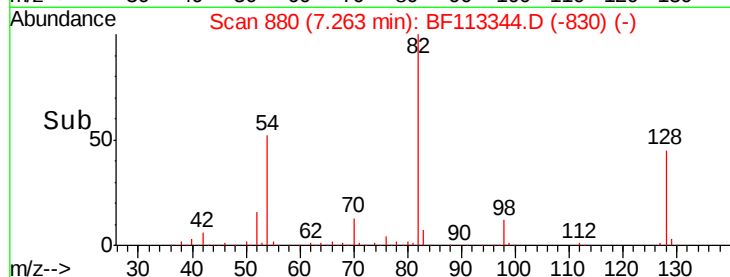
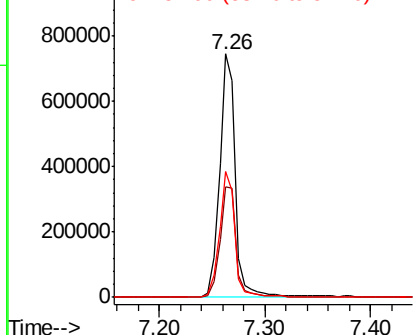
#23
Nitrobenzene-d5
Concen: 60.965 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.00 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

Tgt Ion: 82 Resp: 788795
Ion Ratio Lower Upper
82 100
128 45.2 36.5 54.7
54 51.6 42.2 63.2

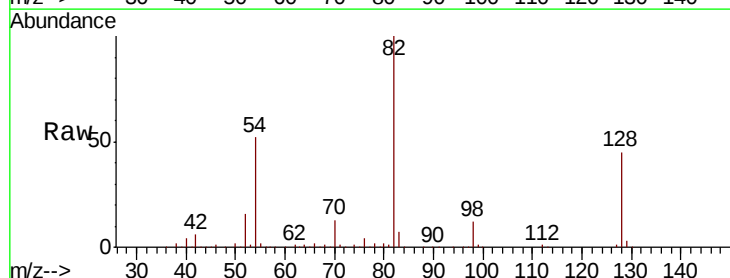


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

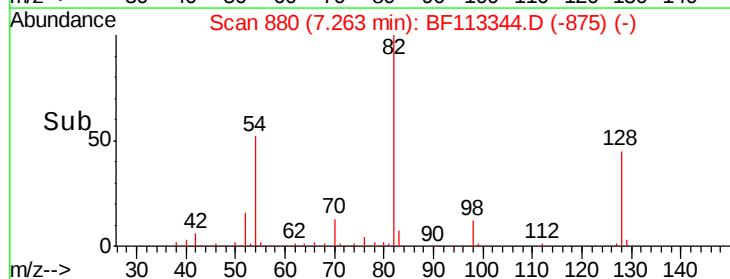
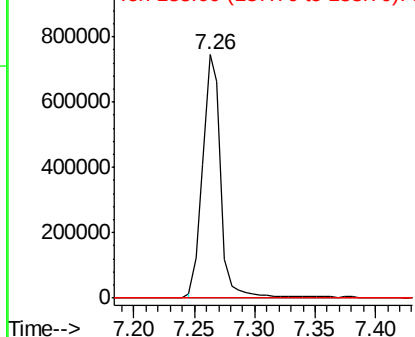


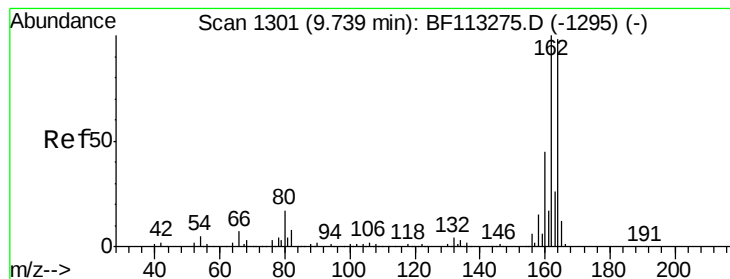
#25
Isophorone
Concen: 30.372 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion: 82 Resp: 761553
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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

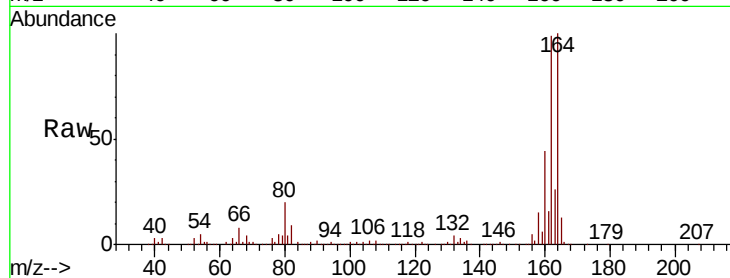
Tgt Ion:164 Resp: 356149

Ion Ratio Lower Upper

164 100

162 99.4 81.8 122.6

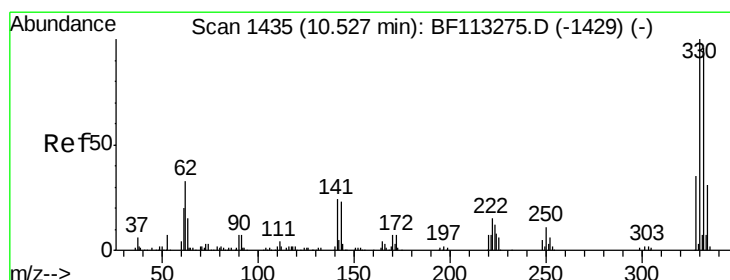
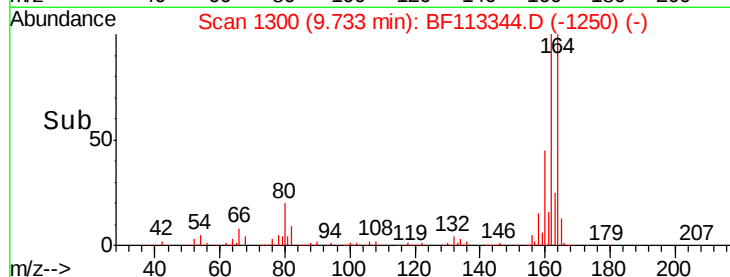
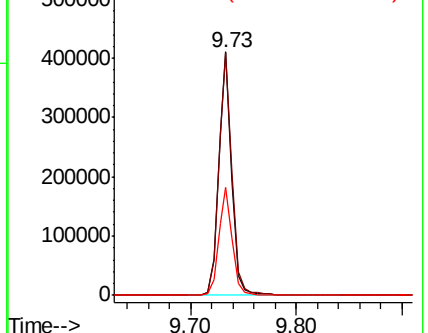
160 44.4 36.4 54.6



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: 73.860 ng

RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

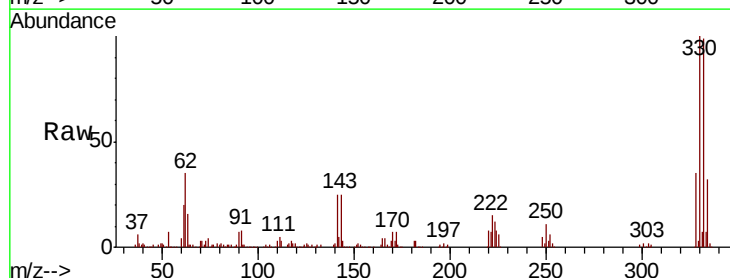
Tgt Ion:330 Resp: 324931

Ion Ratio Lower Upper

330 100

332 98.2 77.8 116.6

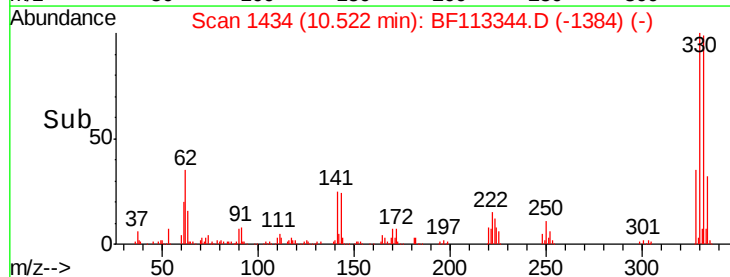
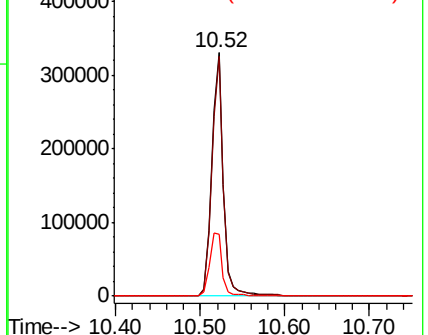
141 28.4 22.7 34.1

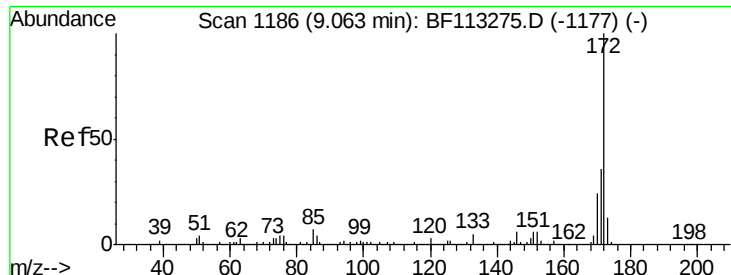


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

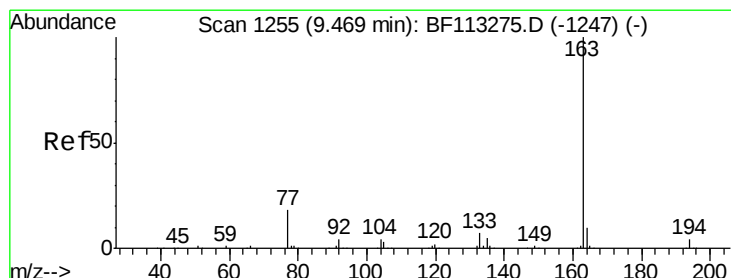
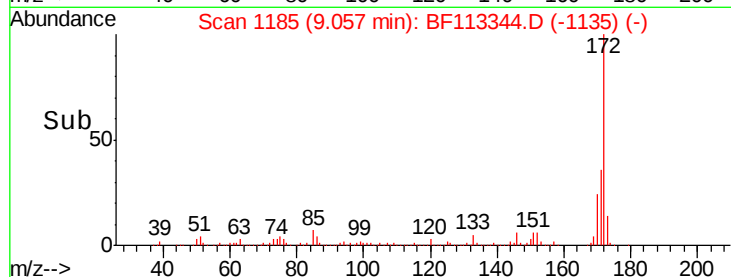
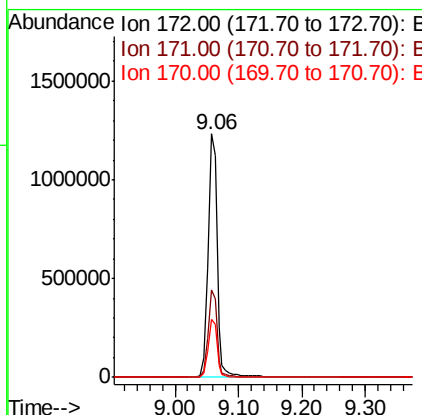
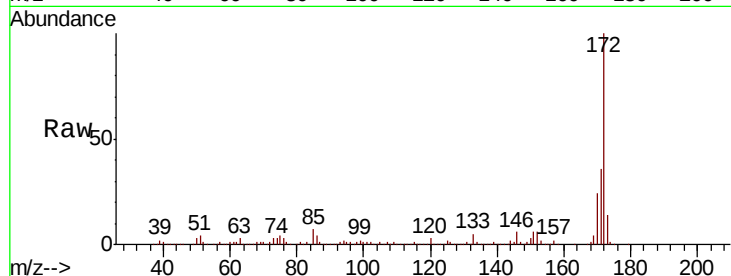




#45
2-Fluorobiphenyl
Concen: 46.236 ng
RT: 9.06 min Scan# 1185
Delta R.T. -0.00 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

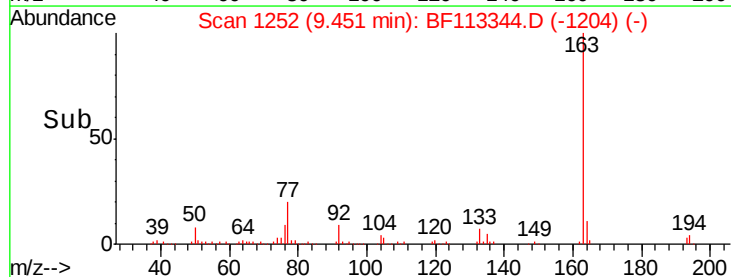
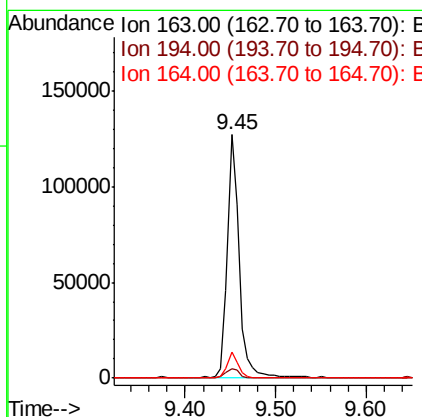
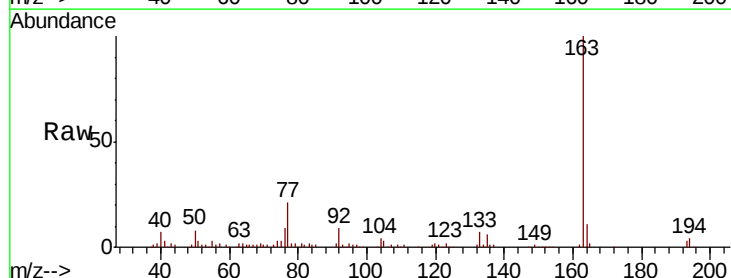
Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

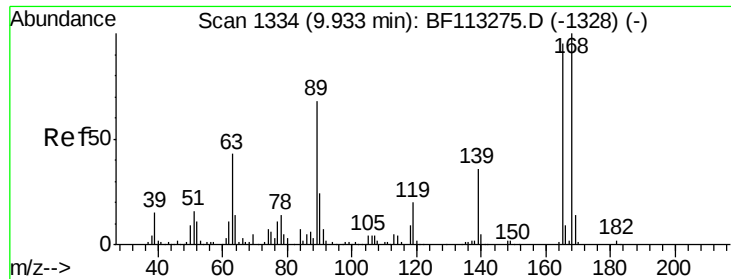
Tgt Ion:172 Resp: 1233386
Ion Ratio Lower Upper
172 100
171 35.8 29.0 43.6
170 24.0 19.5 29.3



#50
Dimethylphthalate
Concen: 4.394 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion:163 Resp: 115983
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.5 8.1 12.1

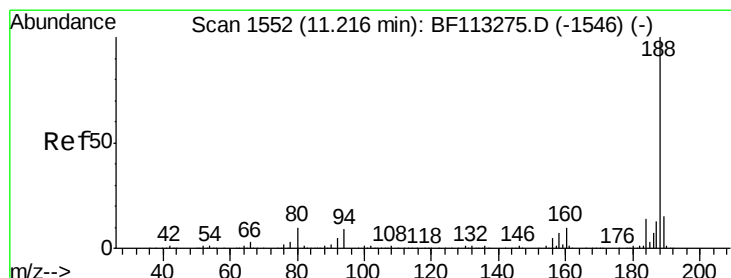
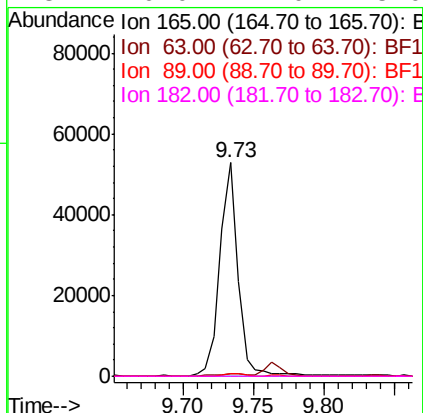
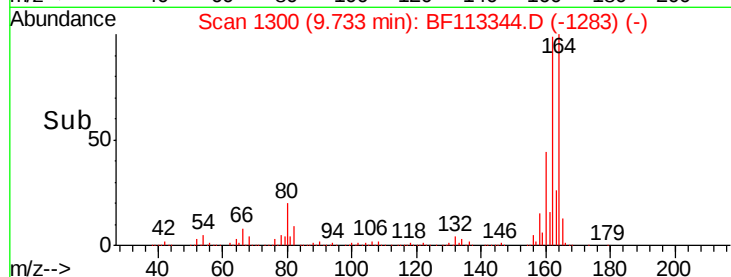
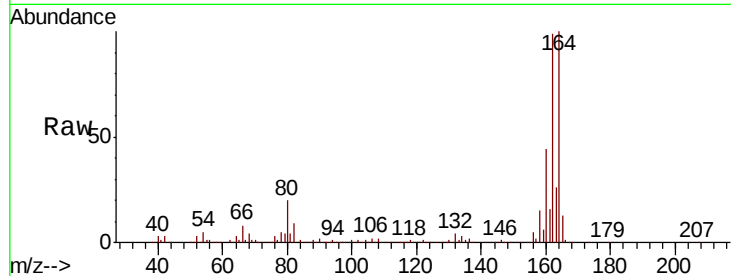




#57
 2,4-Dinitrotoluene
 Concen: 6.366 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

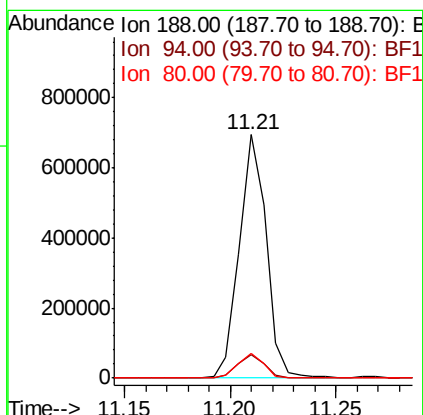
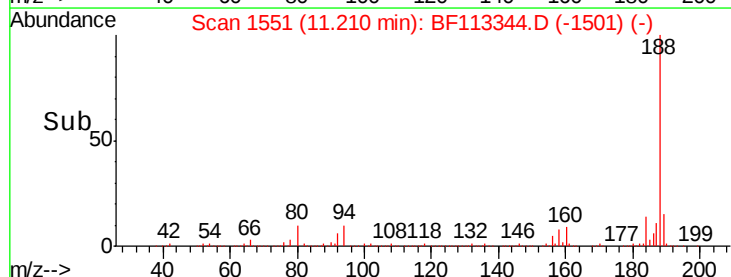
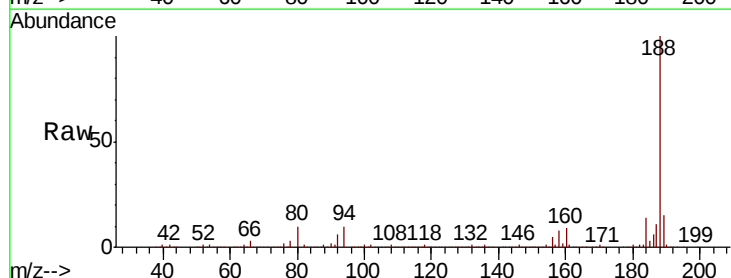
Instrument :
 BNA_F
 ClientSampleId :
 P-5(0-10)

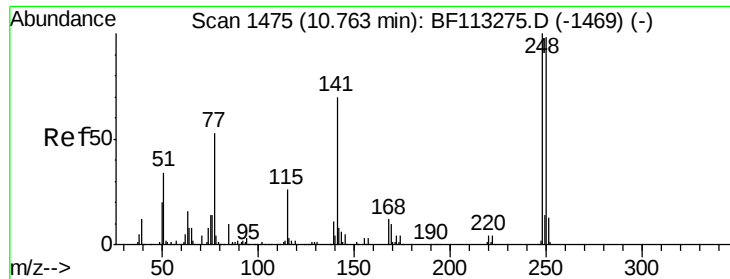
Tgt Ion:165 Resp: 48202
 Ion Ratio Lower Upper
 165 100
 63 1.3 37.5 56.3#
 89 1.5 57.4 86.2#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Tgt Ion:188 Resp: 612622
 Ion Ratio Lower Upper
 188 100
 94 9.7 7.0 10.6
 80 10.3 7.7 11.5

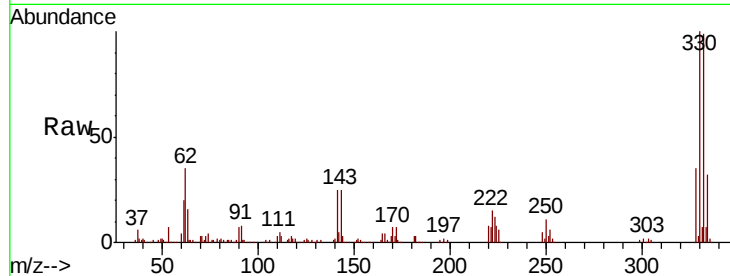




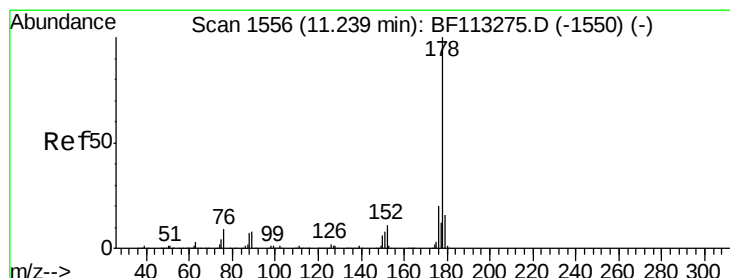
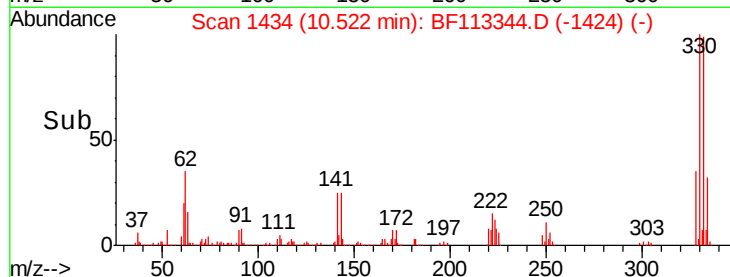
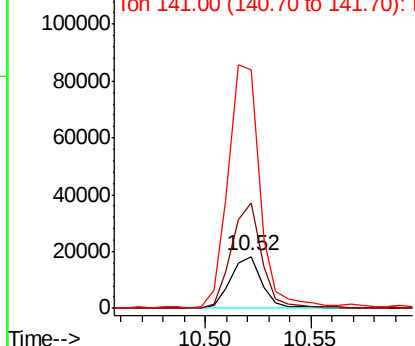
#67
 4-Bromophenyl-phenylether
 Concen: 2.777 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.24 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Instrument :
 BNA_F
 ClientSampleId :
 P-5(0-10)

Tgt Ion:248 Resp: 18542
 Ion Ratio Lower Upper
 248 100
 250 203.6 78.3 117.5#
 141 460.8 56.2 84.4#

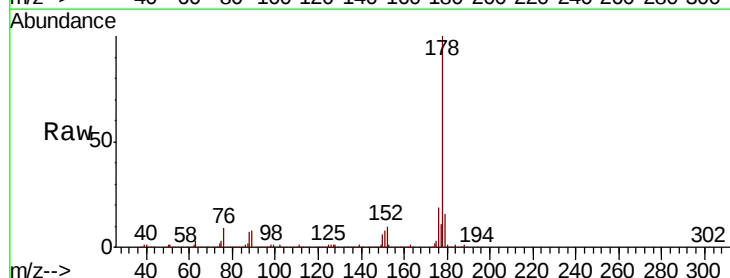


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

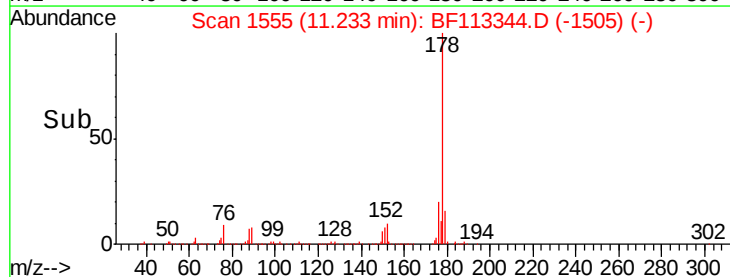
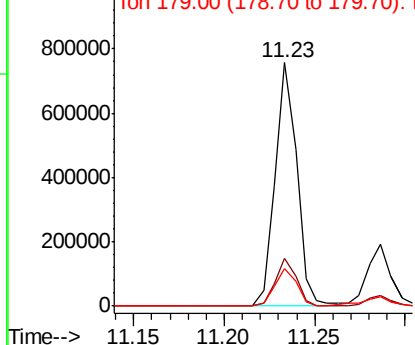


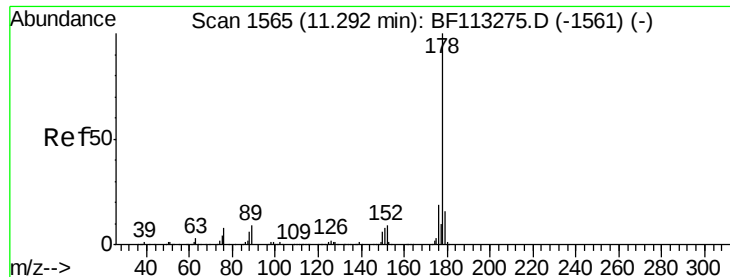
#71
 Phenanthrene
 Concen: 20.710 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Tgt Ion:178 Resp: 630054
 Ion Ratio Lower Upper
 178 100
 176 19.5 16.2 24.2
 179 15.7 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

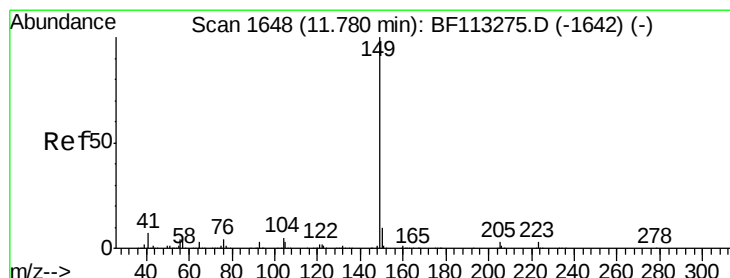
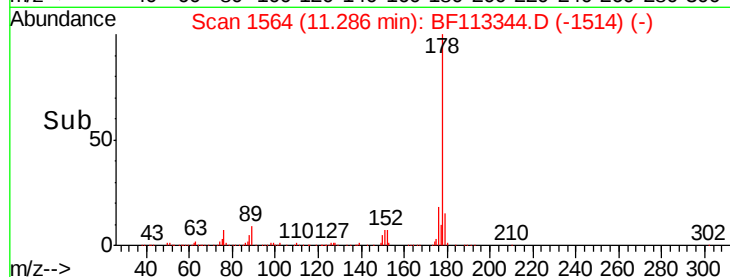
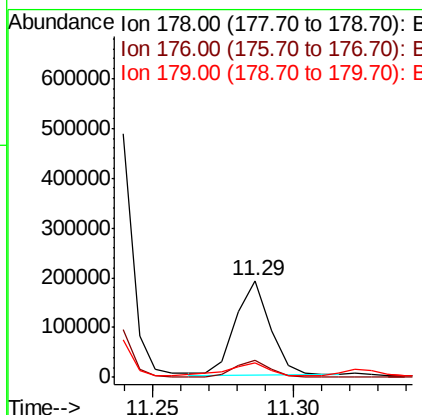
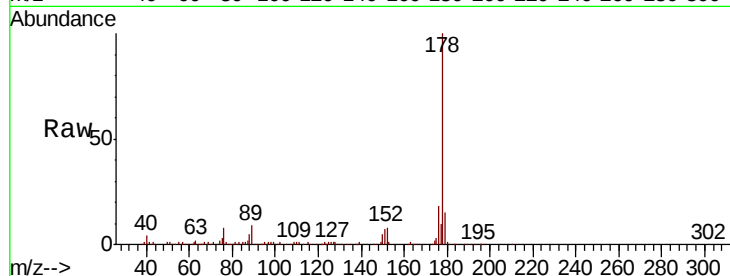




#72
 Anthracene
 Concen: 5.260 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

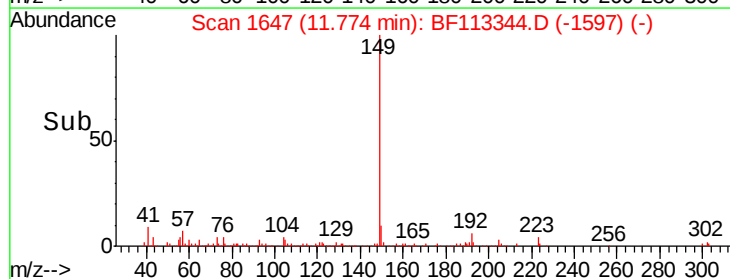
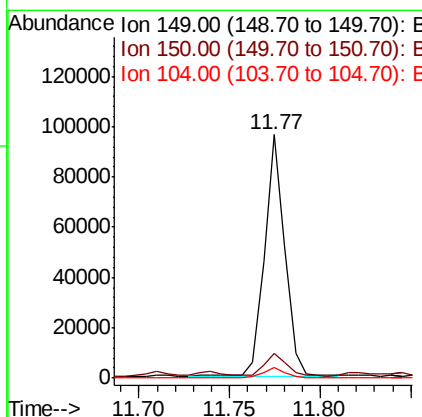
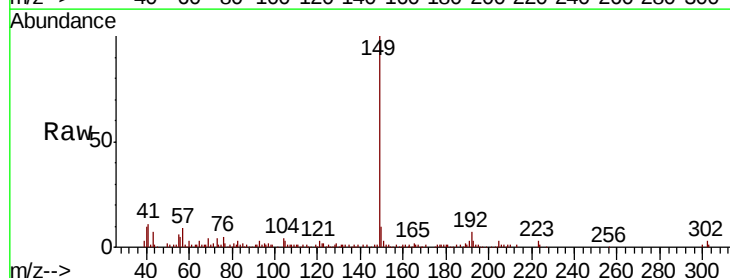
Instrument :
 BNA_F
 ClientSampleId :
 P-5(0-10)

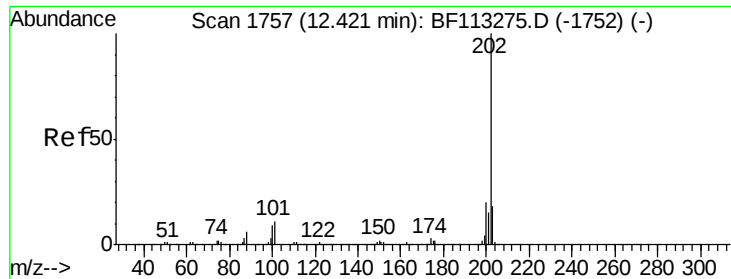
Tgt Ion:178 Resp: 162538
 Ion Ratio Lower Upper
 178 100
 176 17.8 15.4 23.2
 179 15.3 12.8 19.2



#74
 Di-n-butylphthalate
 Concen: 2.203 ng
 RT: 11.77 min Scan# 1647
 Delta R.T. -0.01 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Tgt Ion:149 Resp: 75319
 Ion Ratio Lower Upper
 149 100
 150 10.1 7.7 11.5
 104 4.4 3.7 5.5





#75

Fluoranthene

Concen: 30.941 ng

RT: 12.42 min Scan# 1757

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

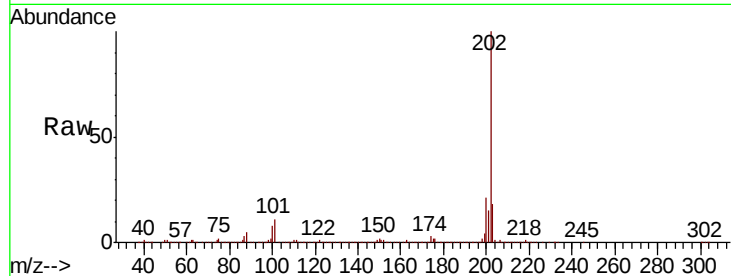
Tgt Ion:202 Resp: 1064124

Ion Ratio Lower Upper

202 100

101 10.9 0.0 31.4

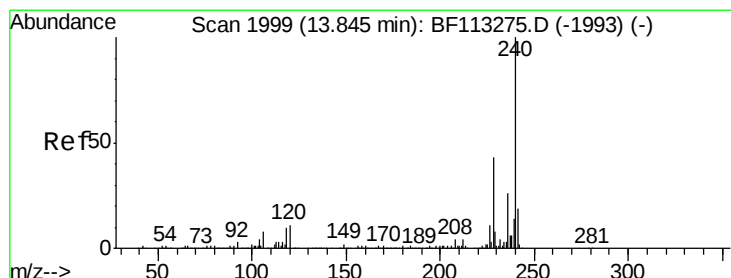
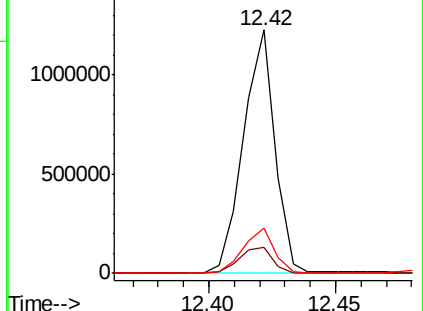
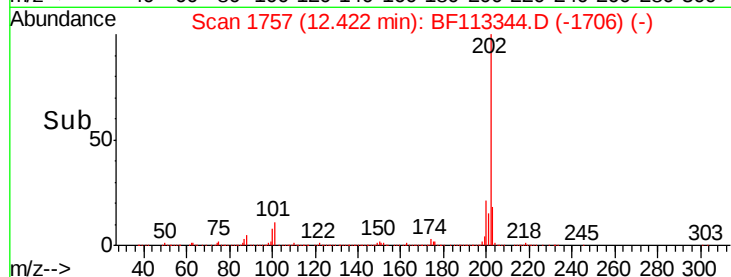
203 18.4 0.0 38.0



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: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

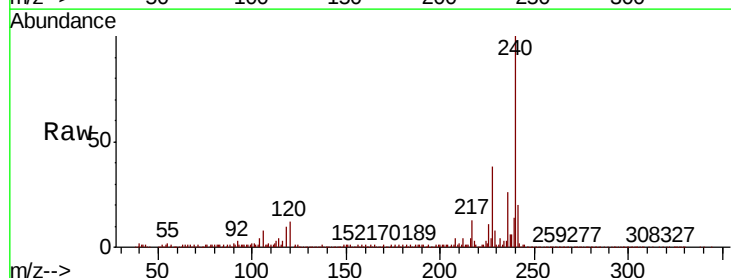
Tgt Ion:240 Resp: 466829

Ion Ratio Lower Upper

240 100

120 11.9 8.8 13.2

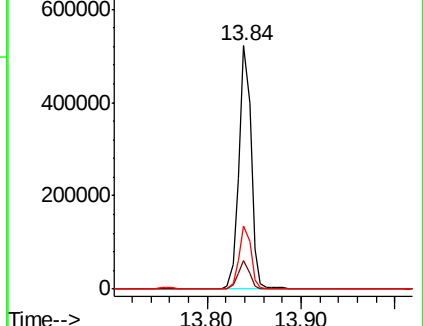
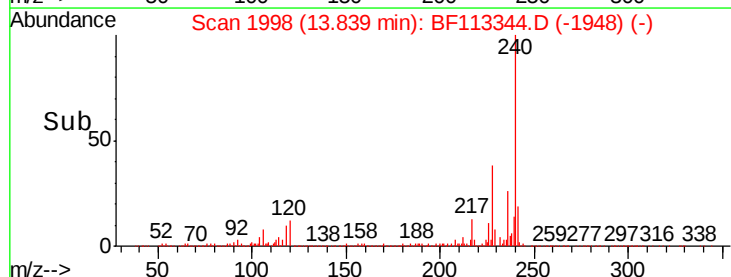
236 26.0 20.9 31.3

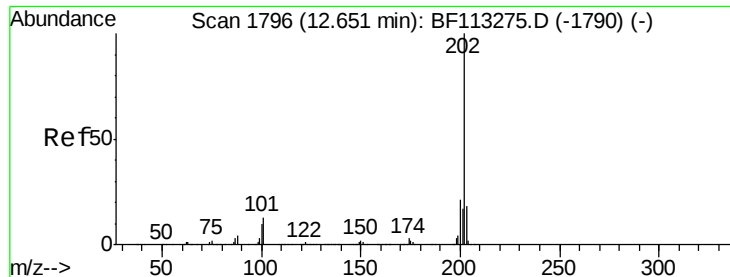


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

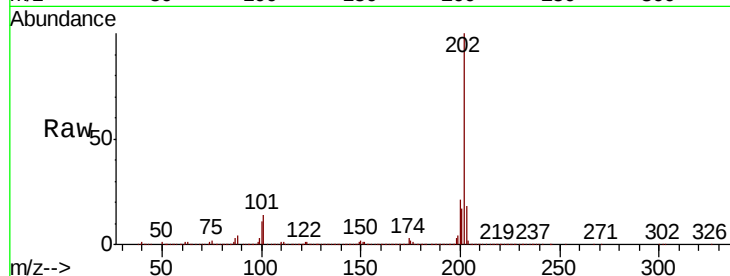




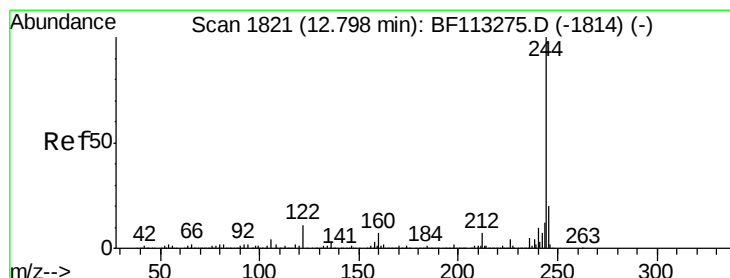
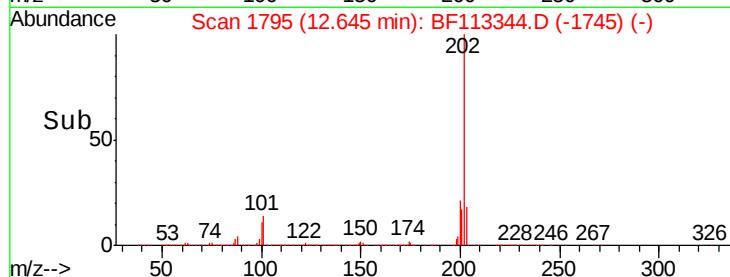
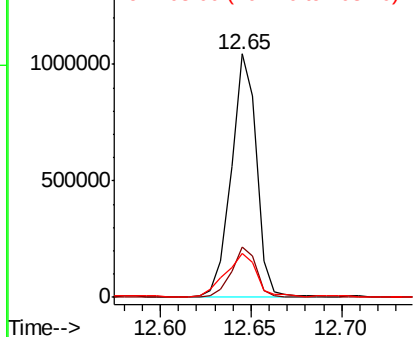
#78
 Pyrene
 Concen: 31.181 ng
 RT: 12.65 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Instrument :
 BNA_F
 ClientSampleId :
 P-5(0-10)

Tgt Ion:202 Resp: 1008682
 Ion Ratio Lower Upper
 202 100
 200 20.8 16.8 25.2
 203 18.2 14.4 21.6

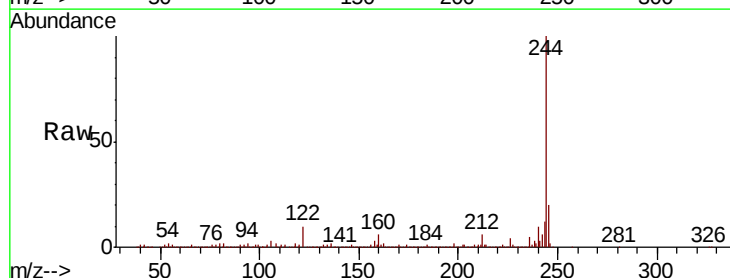


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

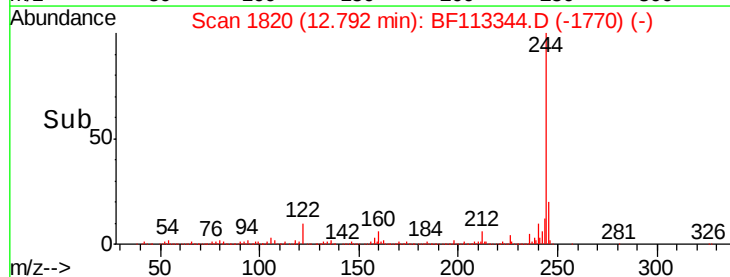
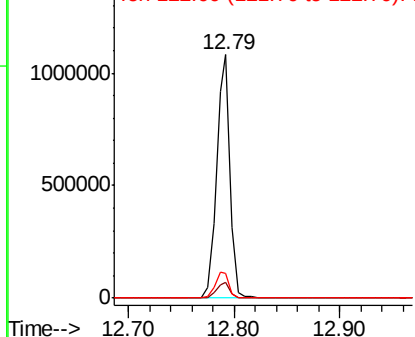


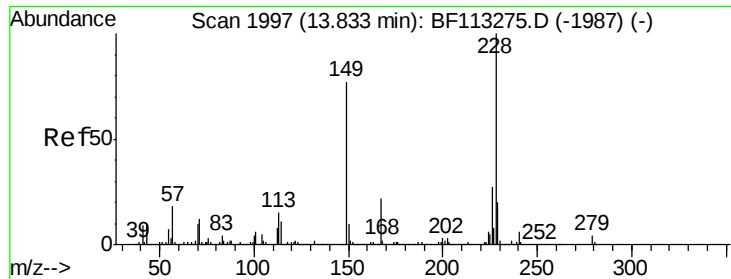
#79
 Terphenyl-d14
 Concen: 45.950 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.00 min
 Lab File: BF113344.D
 Acq: 27 Mar 2019 21:33

Tgt Ion:244 Resp: 973190
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.5 8.3
 122 10.0 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

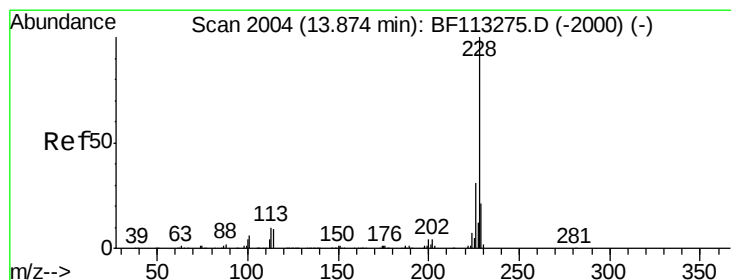
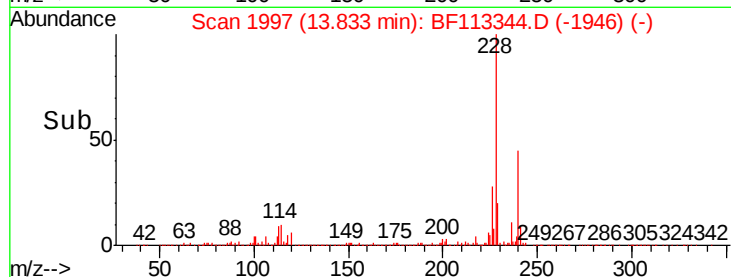
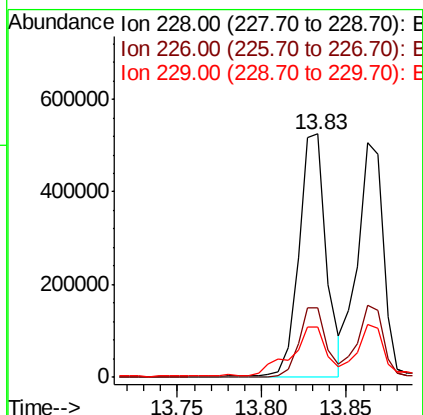
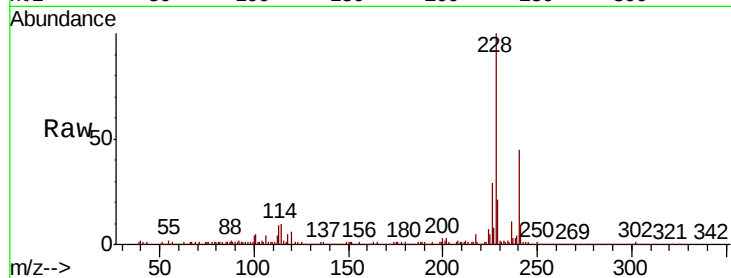




#81
Benzo(a)anthracene
Concen: 22.070 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

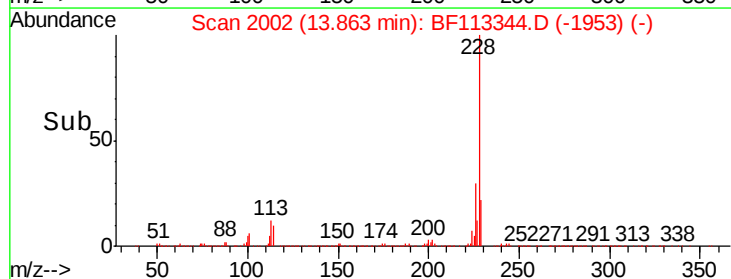
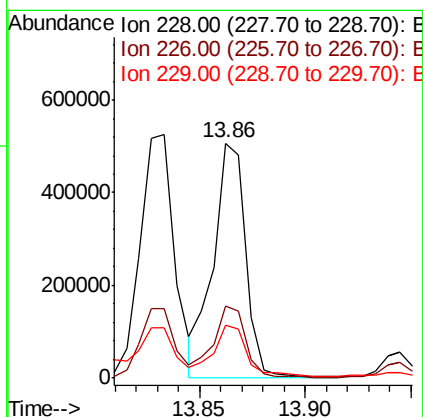
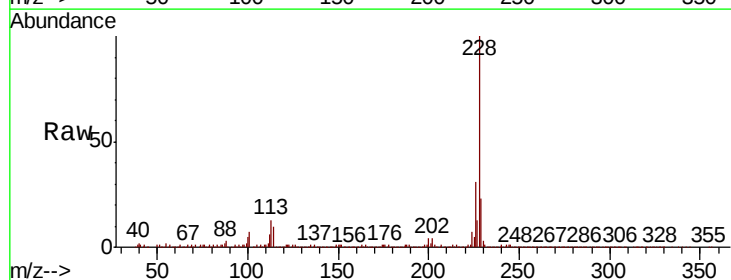
Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

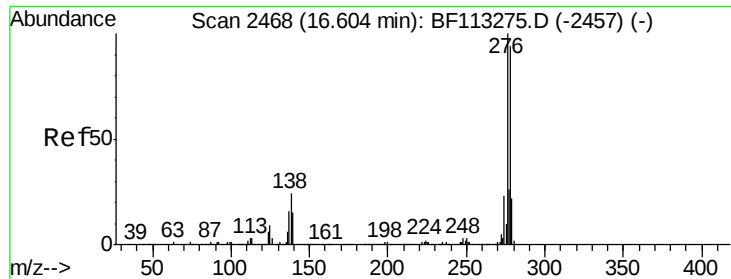
Tgt Ion:228 Resp: 589768
Ion Ratio Lower Upper
228 100
226 28.8 21.8 32.8
229 20.8 16.2 24.4



#83
Chrysene
Concen: 19.878 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion:228 Resp: 539530
Ion Ratio Lower Upper
228 100
226 30.9 24.3 36.5
229 22.7 16.3 24.5





#86

Indeno(1,2,3-cd)pyrene

Concen: 10.469 ng

RT: 16.59 min Scan# 2466

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

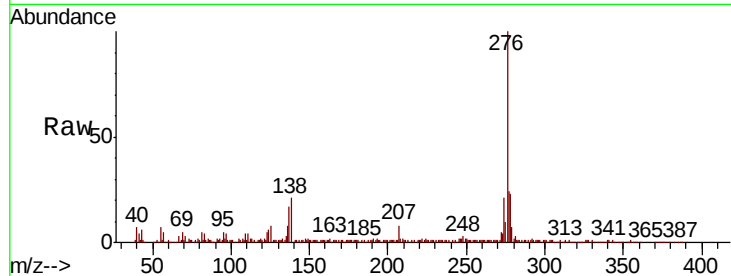
Tgt Ion:276 Resp: 243862

Ion Ratio Lower Upper

276 100

138 21.5 18.1 27.1

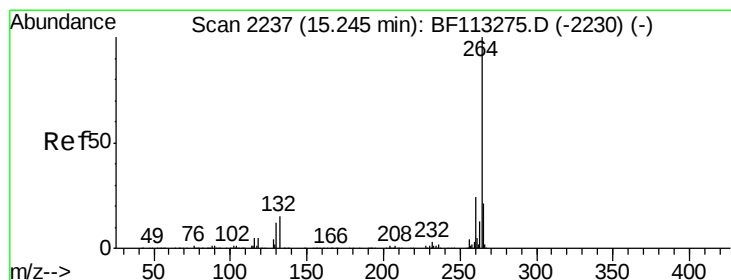
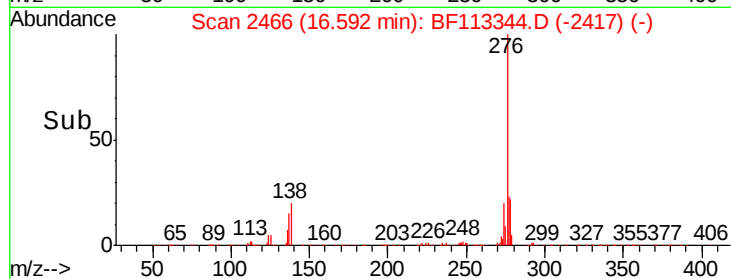
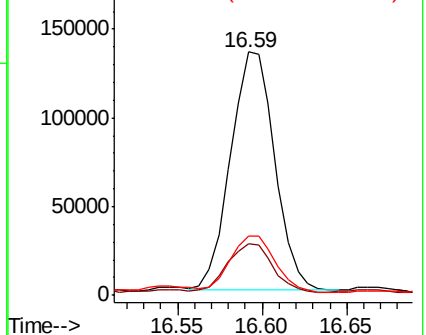
277 24.4 20.2 30.4



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: 15.24 min Scan# 2237

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

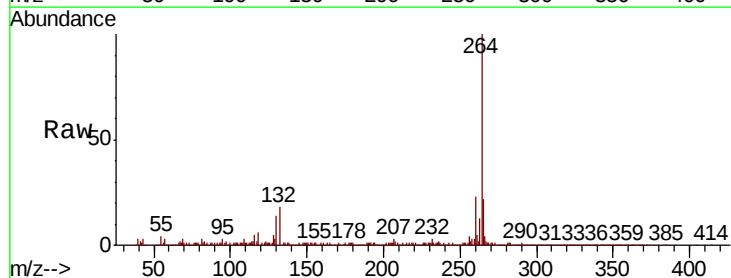
Tgt Ion:264 Resp: 406372

Ion Ratio Lower Upper

264 100

260 23.3 19.1 28.7

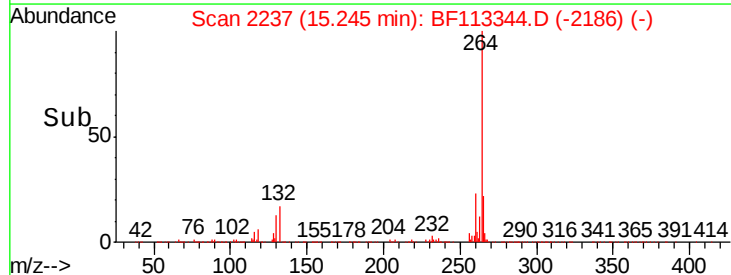
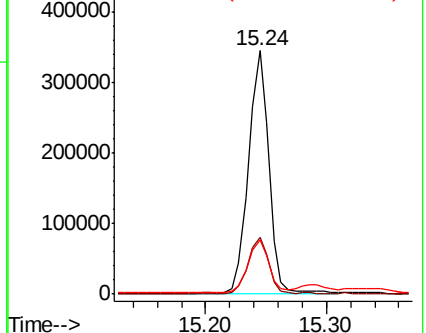
265 22.3 17.1 25.7

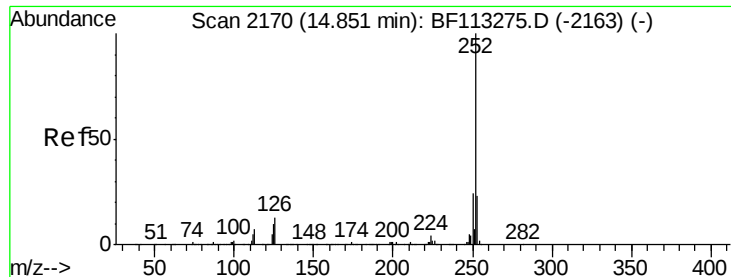


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

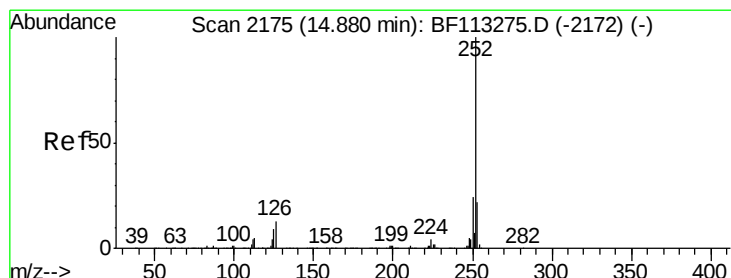
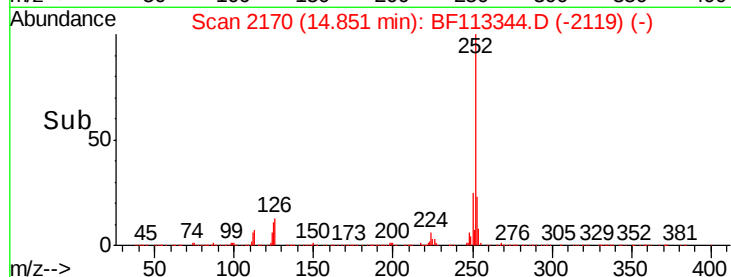
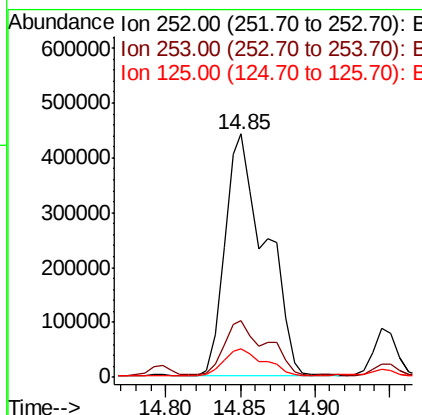
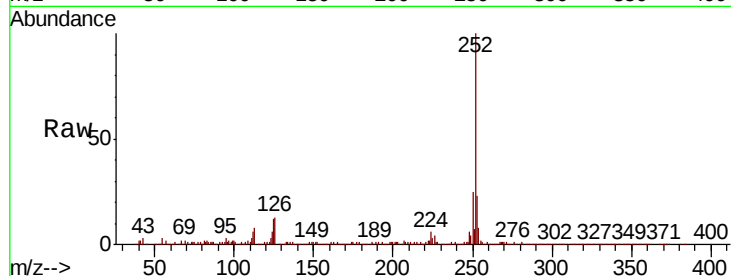




#88
Benzo(b)fluoranthene
Concen: 33.246 ng
RT: 14.85 min Scan# 2170
Delta R.T. 0.00 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

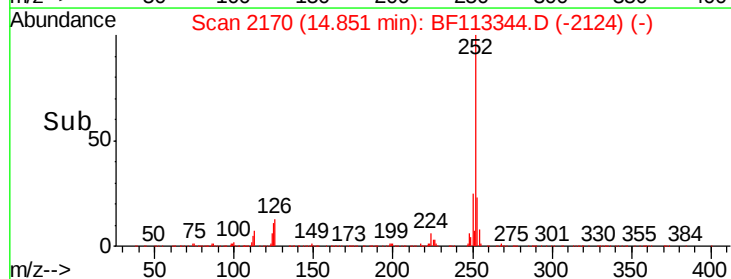
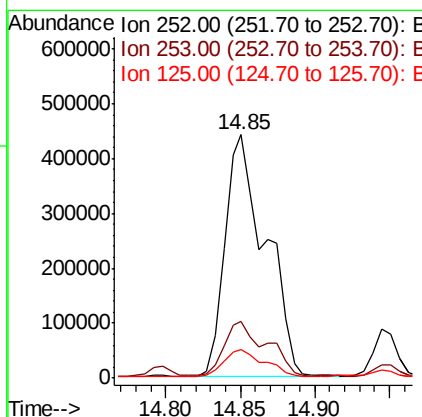
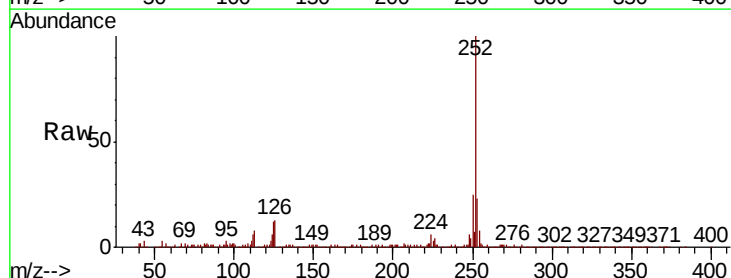
Instrument :
BNA_F
ClientSampleId :
P-5(0-10)

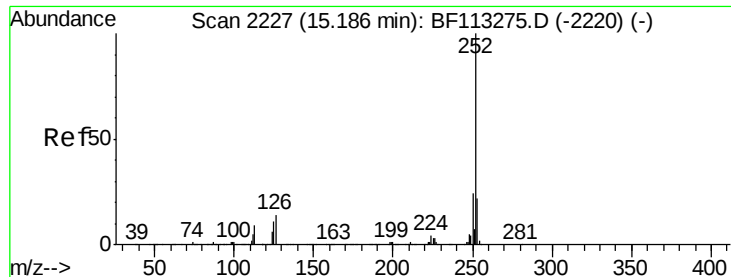
Tgt Ion:252 Resp: 839262
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 11.6 7.6 11.4#



#89
Benzo(k)fluoranthene
Concen: 37.858 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113344.D
Acq: 27 Mar 2019 21:33

Tgt Ion:252 Resp: 839262
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.6 7.3 10.9#





#90

Benzo(a)pyrene

Concen: 19.856 ng

RT: 15.19 min Scan# 2227

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

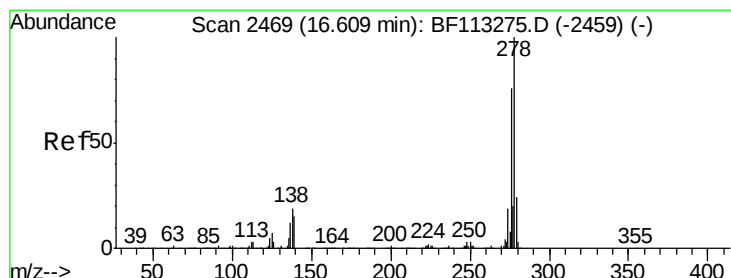
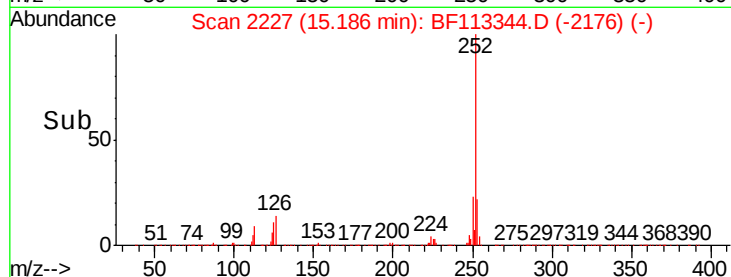
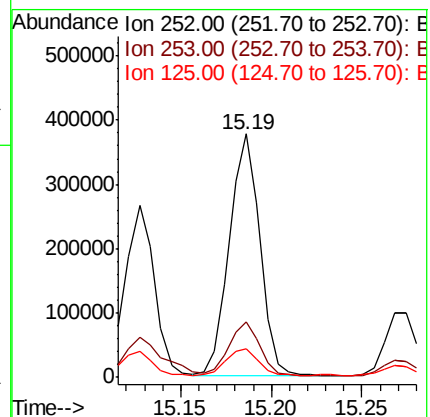
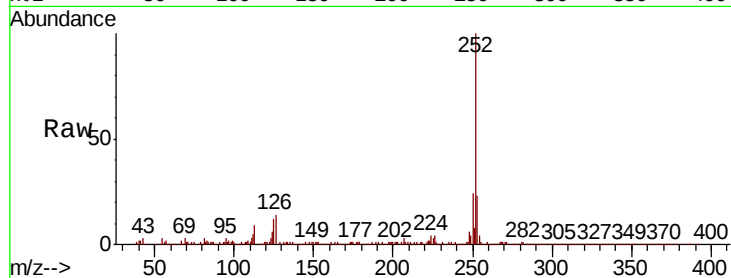
Tgt Ion:252 Resp: 444364

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

125 11.5 8.8 13.2



#91

Dibenzo(a,h)anthracene

Concen: 3.678 ng

RT: 16.60 min Scan# 2467

Delta R.T. -0.01 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

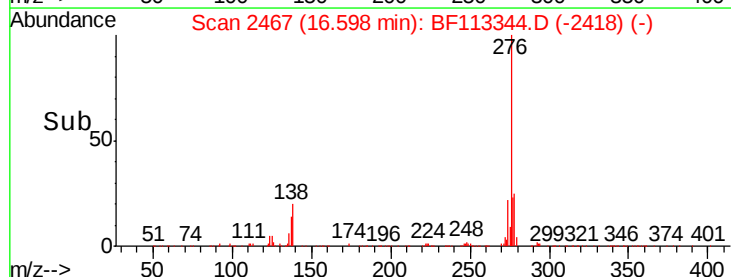
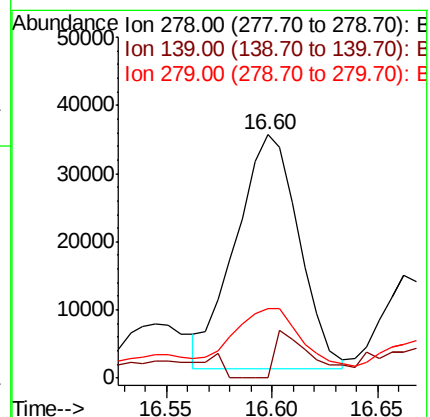
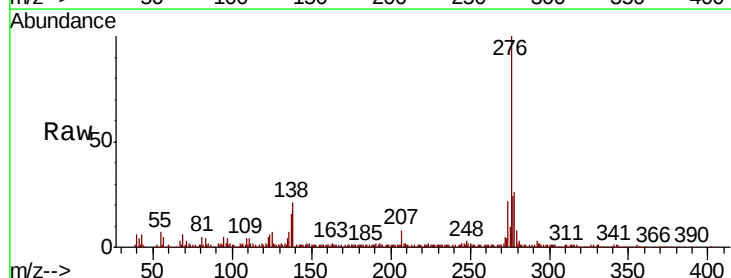
Tgt Ion:278 Resp: 71181

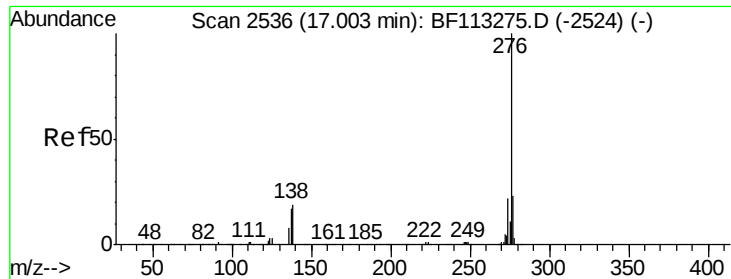
Ion Ratio Lower Upper

278 100

139 0.0 12.0 18.0#

279 28.6 19.0 28.6#





#92

Benzo(g,h,i)perylene

Concen: 12.098 ng

RT: 17.00 min Scan# 2536

Delta R.T. 0.00 min

Lab File: BF113344.D

Acq: 27 Mar 2019 21:33

Instrument :

BNA_F

ClientSampleId :

P-5(0-10)

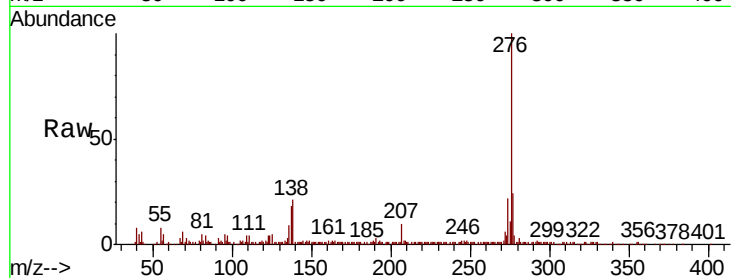
Tgt Ion: 276 Resp: 236045

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 20.5 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

