

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032719\
 Data File : BF113341.D
 Acq On : 27 Mar 2019 20:07
 Operator : JU/SJ
 Sample : K2097-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-6

Quant Time: Mar 28 01:10:04 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	180772	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	678743	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	318033	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	592424	20.00	ng	0.00
76) Chrysene-d12	13.83	240	426642	20.00	ng	-0.01
87) Perylene-d12	15.24	264	438347	20.00	ng	0.00

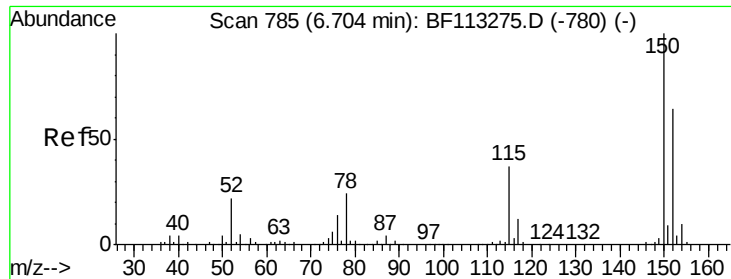
System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	956182	86.49	ng	0.00
7) Phenol-d6	6.35	99	1238175	88.53	ng	0.00
23) Nitrobenzene-d5	7.26	82	763691	66.78	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	332780	84.71	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1424841	66.35	ng	0.00
79) Terphenyl-d14	12.79	244	1284301	66.35	ng	0.00

Target Compounds

						Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	96424	10.976	ng	# 77
25) Isophorone	7.26	82	751753	33.922	ng	# 64
50) Dimethylphthalate	9.45	163	98019	4.159	ng	99
51) 2,6-Dinitrotoluene	9.73	165	41434	7.793	ng	# 26
56) 4-Nitrophenol	9.94	139	10354	2.422	ng	# 7
57) 2,4-Dinitrotoluene	9.73	165	41434	6.128	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	18646	2.888	ng	# 1
71) Phenanthrene	11.23	178	431062	14.652	ng	98
72) Anthracene	11.29	178	80645	2.699	ng	100
73) Carbazole	11.44	167	85452	2.997	ng	98
75) Fluoranthene	12.42	202	1152218	34.644	ng	99
78) Pyrene	12.64	202	874109	29.566	ng	99
81) Benzo(a)anthracene	13.82	228	138689	5.679	ng	94
83) Chrysene	13.86	228	486002	19.592	ng	99
86) Indeno(1,2,3-cd)pyrene	16.58	276	125668	5.903	ng	98
88) Benzo(b)fluoranthene	14.84	252	685922	25.190	ng	99
89) Benzo(k)fluoranthene	14.84	252	685922	28.684	ng	98
90) Benzo(a)pyrene	15.18	252	114534	4.744	ng	100
92) Benzo(g,h,i)perylene	16.99	276	108000	5.132	ng	96

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

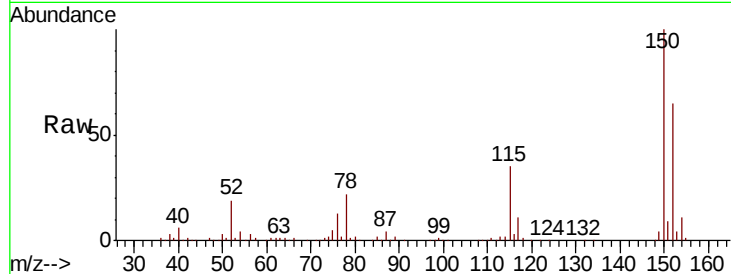


#1

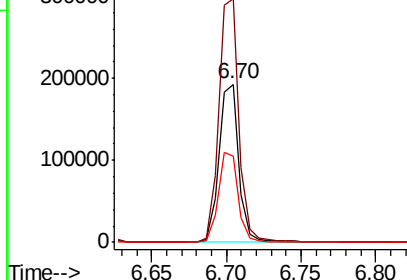
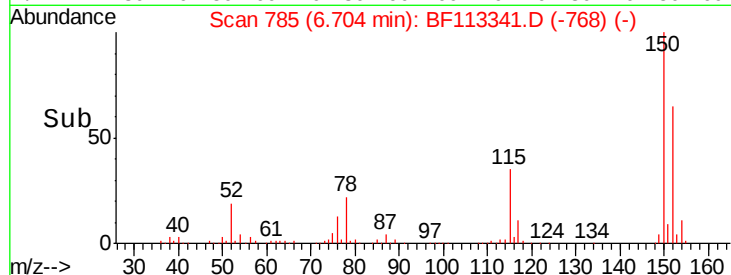
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampleId :
CS-6

Tgt Ion:152 Resp: 180772
Ion Ratio Lower Upper
152 100
150 153.7 124.7 187.1
115 54.1 46.0 69.0



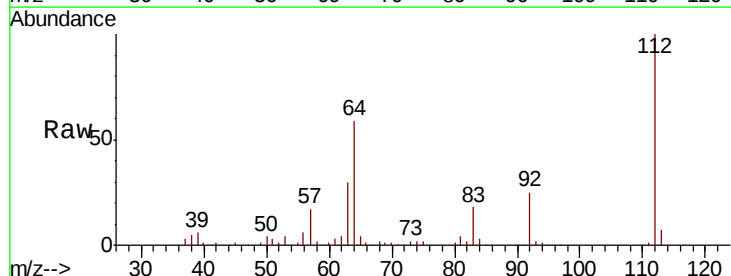
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



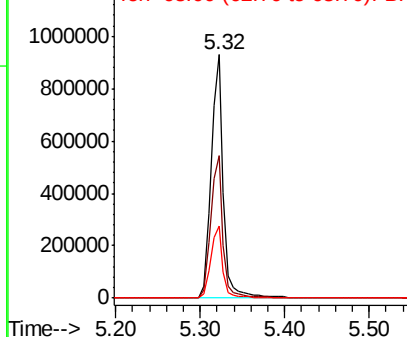
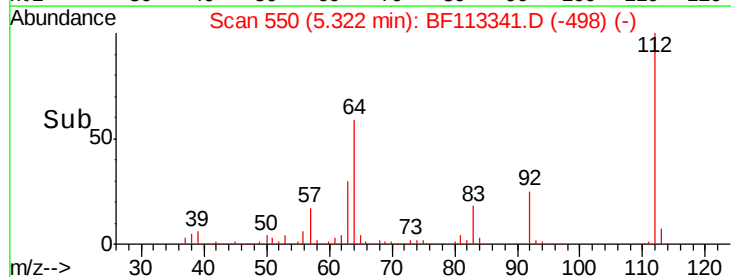
#5

2-Fluorophenol
Concen: 86.489 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion:112 Resp: 956182
Ion Ratio Lower Upper
112 100
64 58.6 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: 88.530 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Instrument :

BNA_F

ClientSampleId :

CS-6

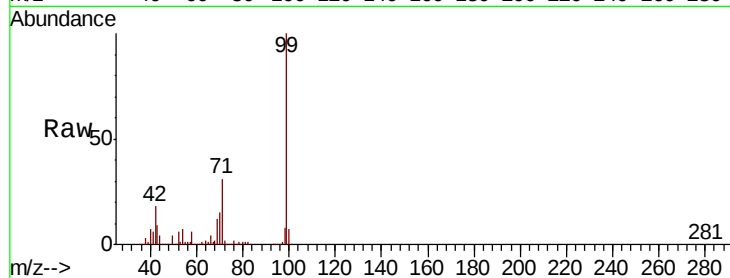
Tgt Ion: 99 Resp: 1238175

Ion Ratio Lower Upper

99 100

42 17.7 14.8 22.2

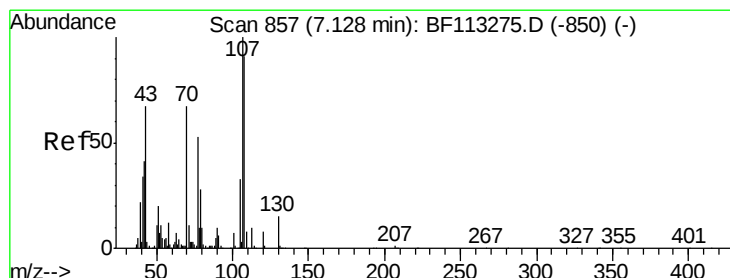
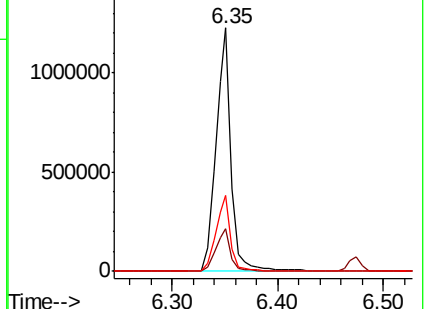
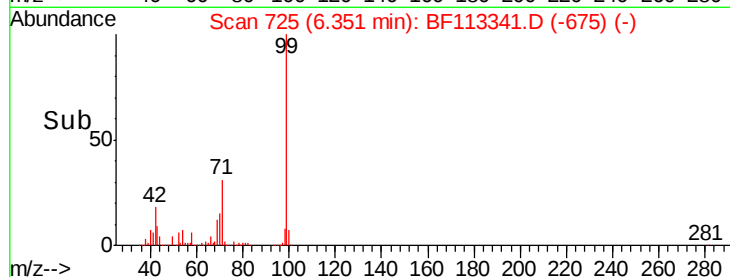
71 31.2 24.9 37.3



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: 10.976 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Tgt Ion: 70 Resp: 96424

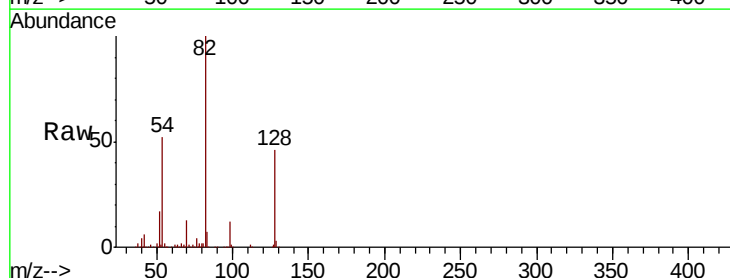
Ion Ratio Lower Upper

70 100

42 48.7 48.4 72.6

101 0.0 7.8 11.8#

130 2.1 18.2 27.4#

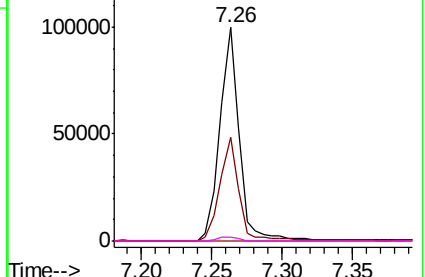
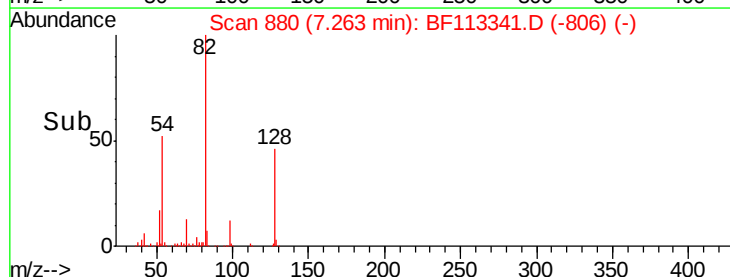


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 7.98 min Scan# 1002

Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Instrument :

BNA_F

ClientSampleId :

CS-6

Tgt Ion:136 Resp: 678743

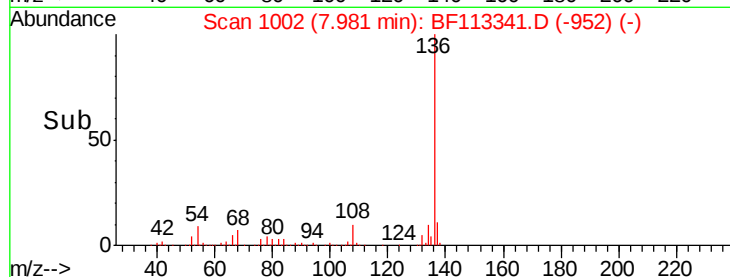
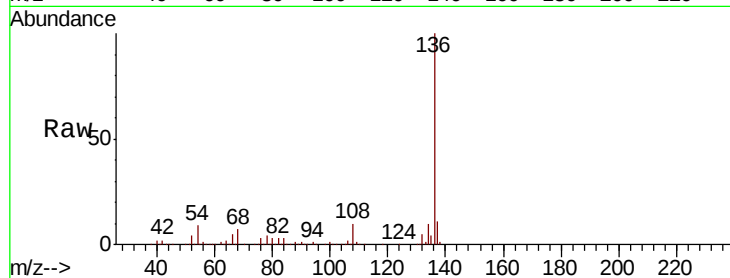
Ion Ratio Lower Upper

136 100

137 11.3 8.9 13.3

54 8.6 7.0 10.6

68 6.6 4.8 7.2

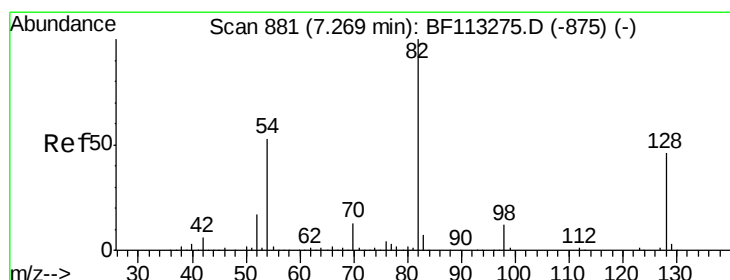
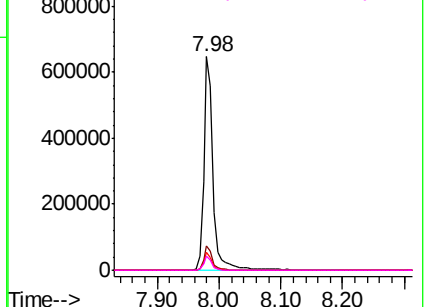


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.782 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

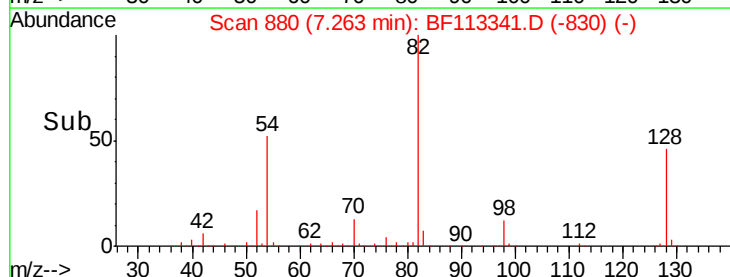
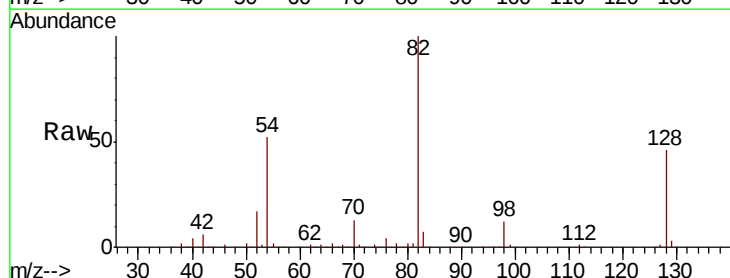
Tgt Ion: 82 Resp: 763691

Ion Ratio Lower Upper

82 100

128 46.4 36.5 54.7

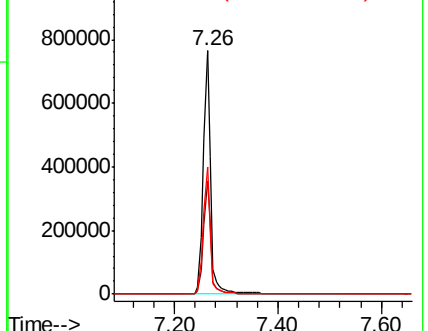
54 52.1 42.2 63.2

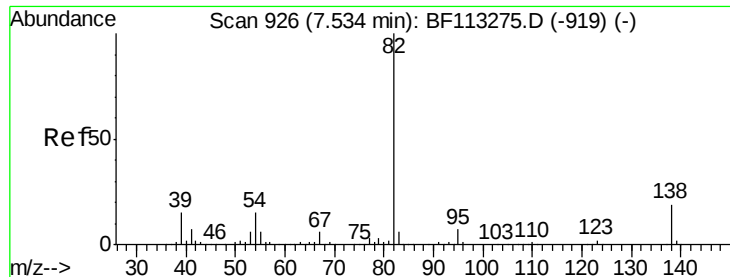


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

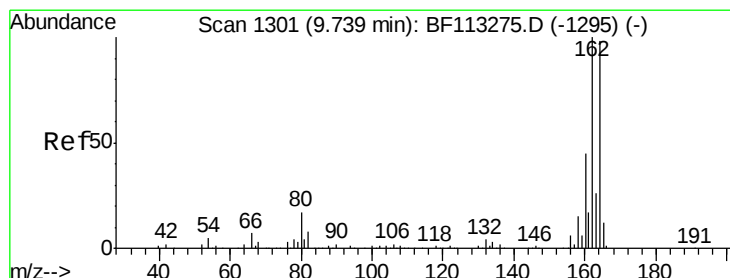
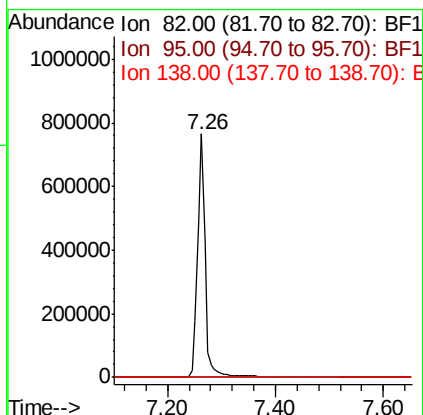
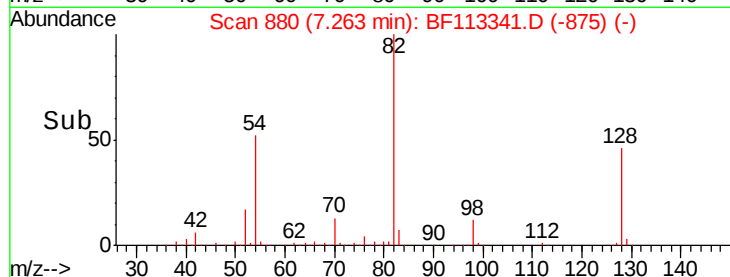
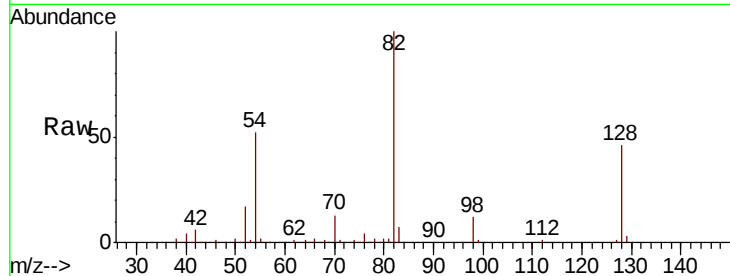




#25
Isophorone
Concen: 33.922 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

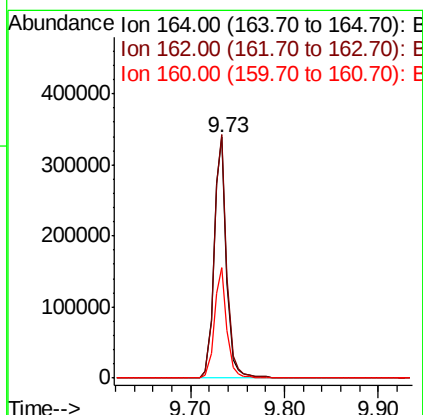
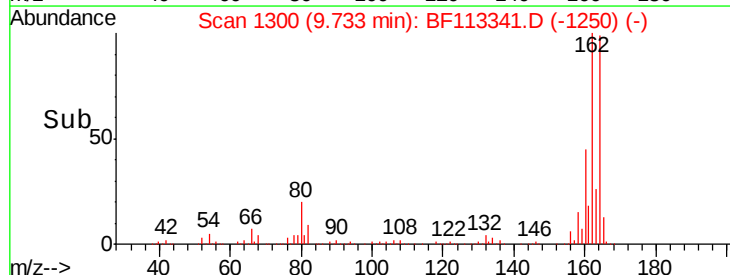
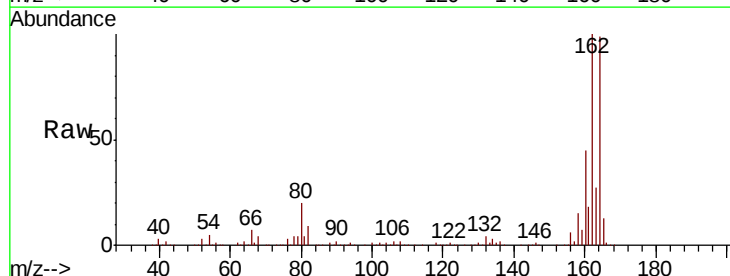
Instrument :
BNA_F
ClientSampleId :
CS-6

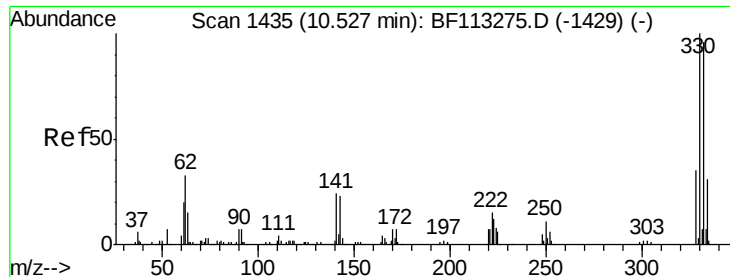
Tgt Ion: 82 Resp: 751753
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion: 164 Resp: 318033
Ion Ratio Lower Upper
164 100
162 101.2 81.8 122.6
160 45.7 36.4 54.6

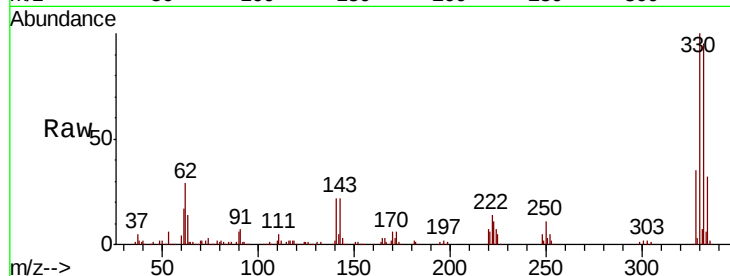




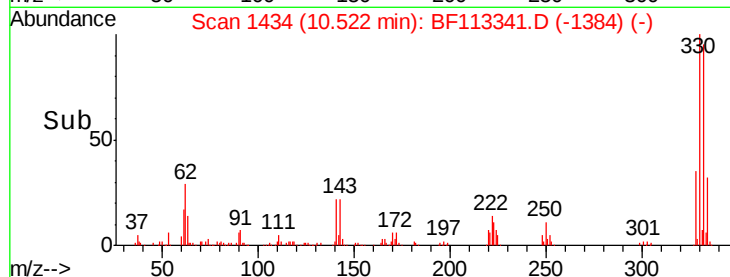
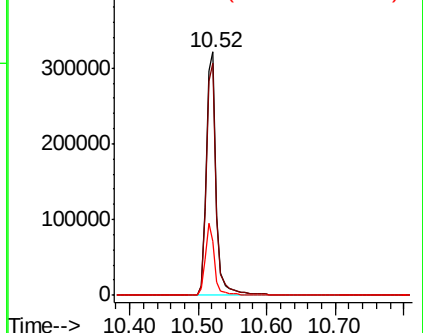
#42
 2,4,6-Tribromophenol
 Concen: 84.711 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 CS-6

Tgt Ion:330 Resp: 332780
 Ion Ratio Lower Upper
 330 100
 332 95.7 77.8 116.6
 141 28.0 22.7 34.1

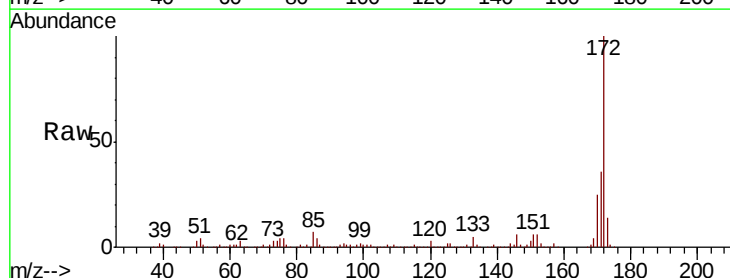


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

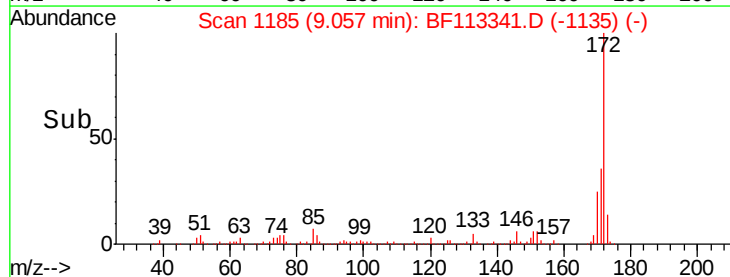
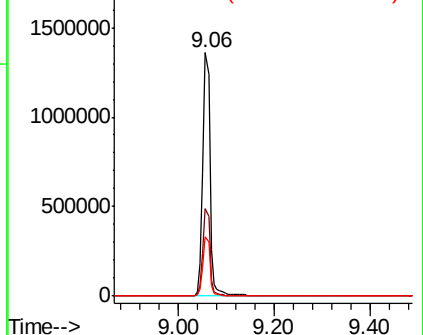


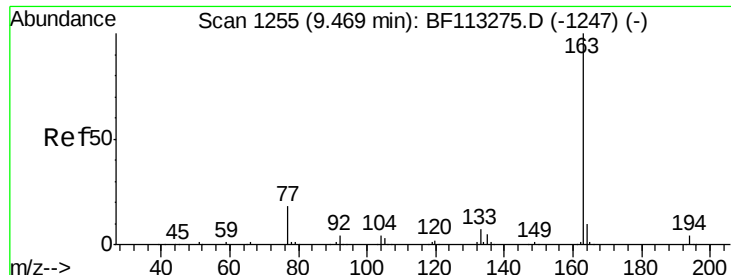
#45
 2-Fluorobiphenyl
 Concen: 66.351 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Tgt Ion:172 Resp: 1424841
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.5 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

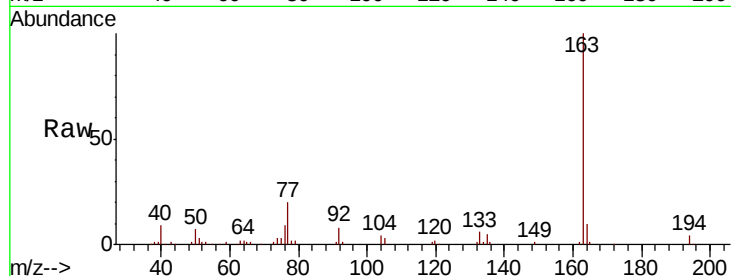




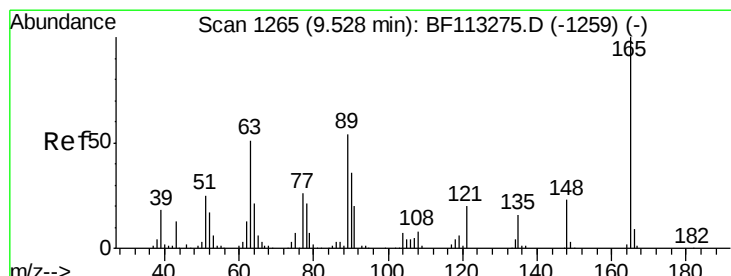
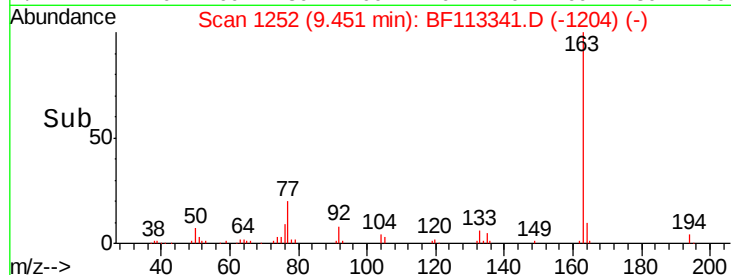
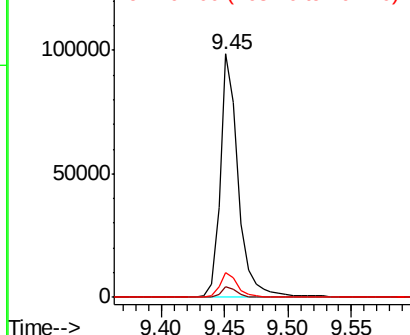
#50
 Dimethylphthalate
 Concen: 4.159 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Instrument :
 BNA_F
 ClientSampled :
 CS-6

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	10.4	8.1	12.1

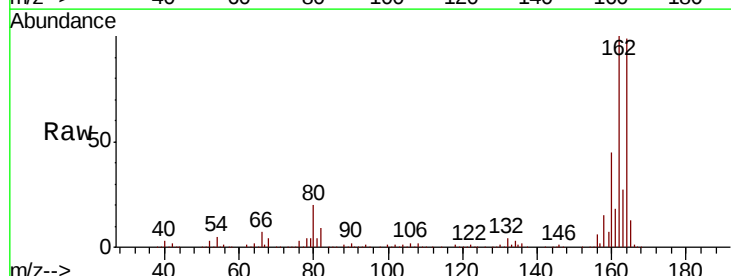


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

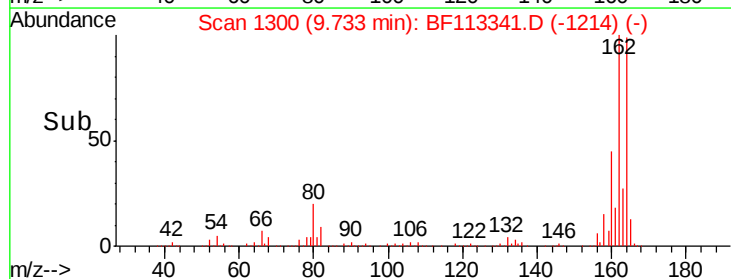
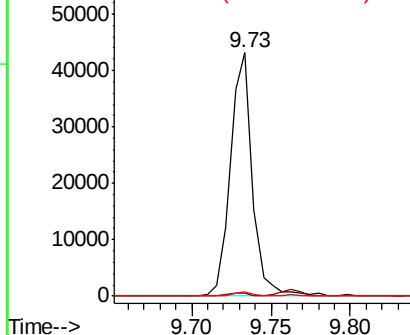


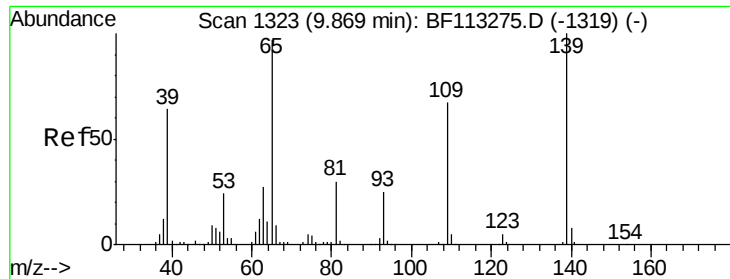
#51
 2,6-Dinitrotoluene
 Concen: 7.793 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.21 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	43.4	65.0#
89	1.5	43.1	64.7#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

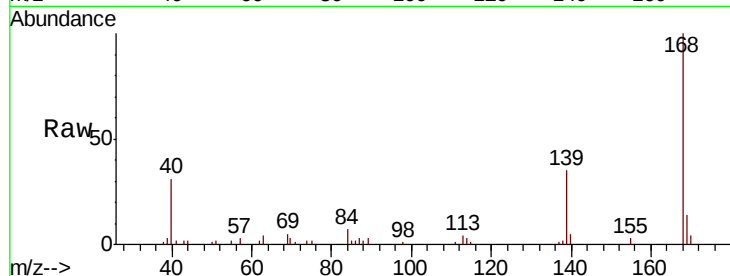




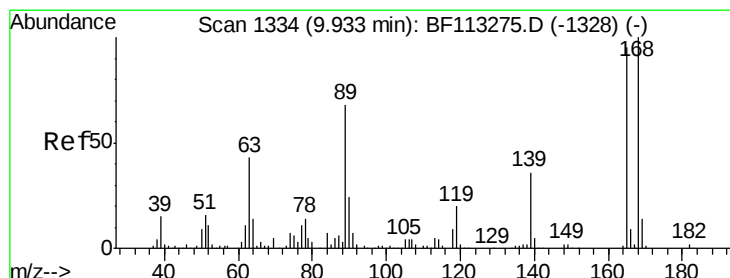
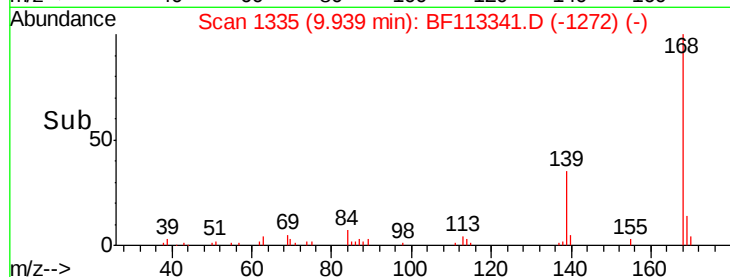
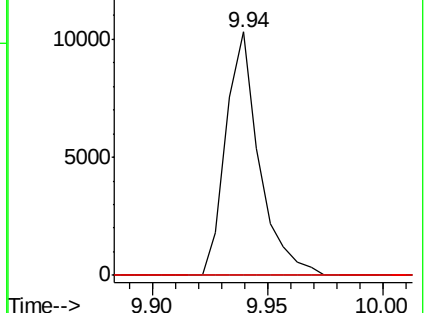
#56
4-Nitrophenol
Concen: 2.422 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.07 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampleId :
CS-6

Tgt Ion:139 Resp: 10354
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 0.0 77.2 117.2#

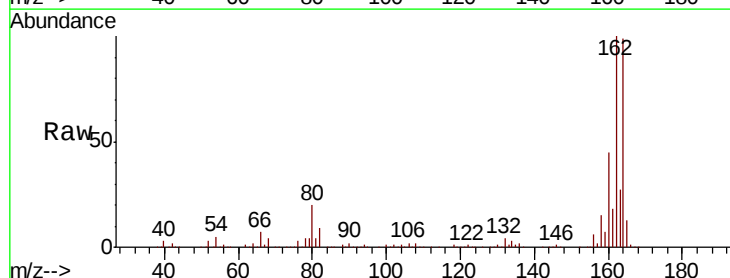


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

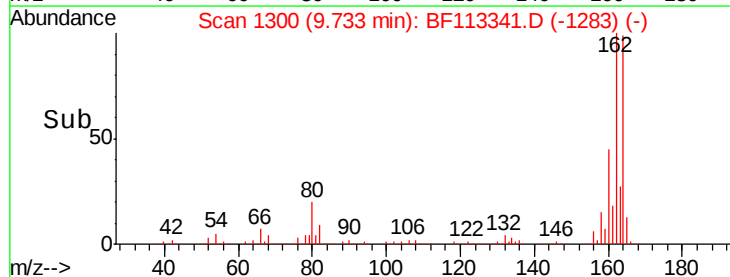
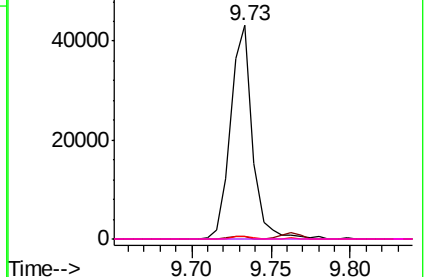


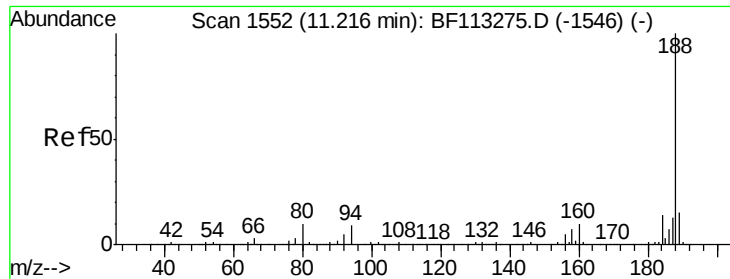
#57
2,4-Dinitrotoluene
Concen: 6.128 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion:165 Resp: 41434
Ion Ratio Lower Upper
165 100
63 1.1 37.5 56.3#
89 1.5 57.4 86.2#
182 0.0 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

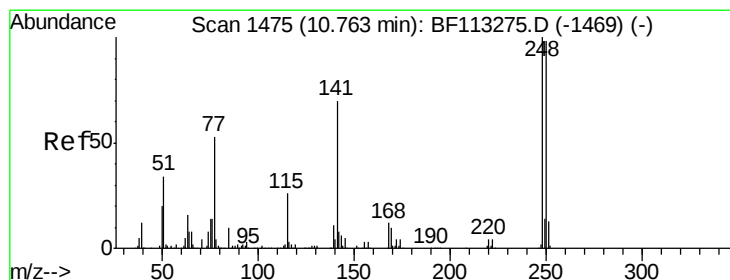
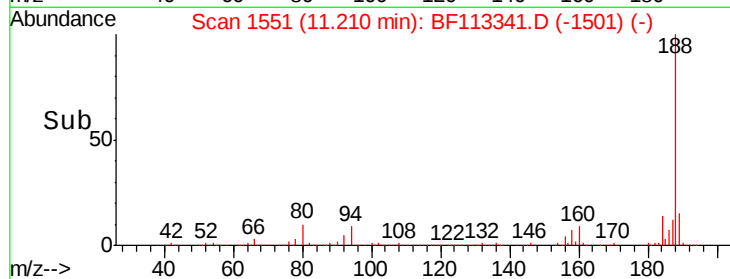
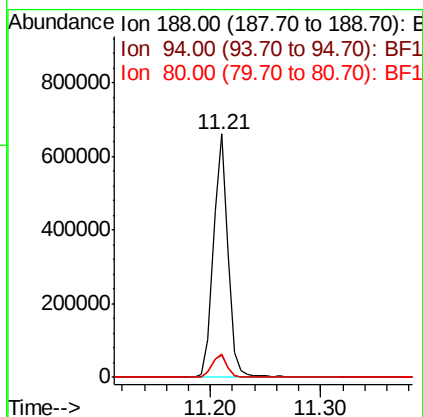
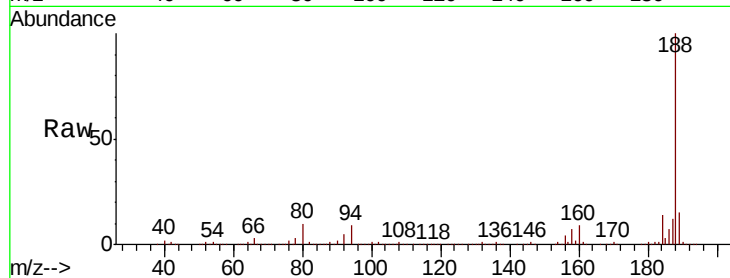




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

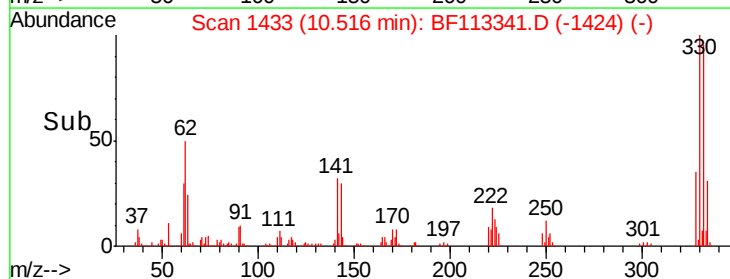
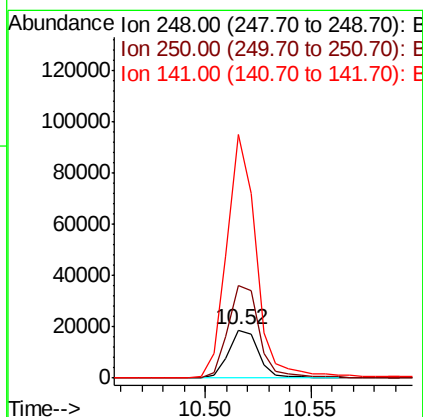
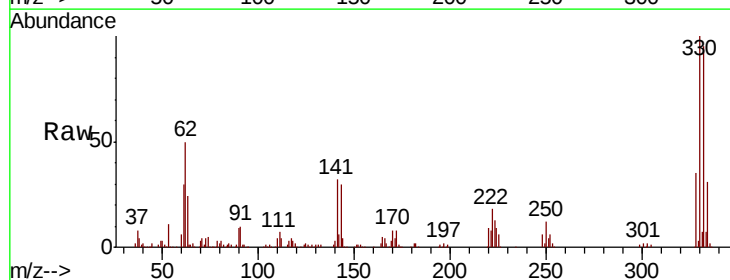
Instrument :
 BNA_F
 ClientSampleId :
 CS-6

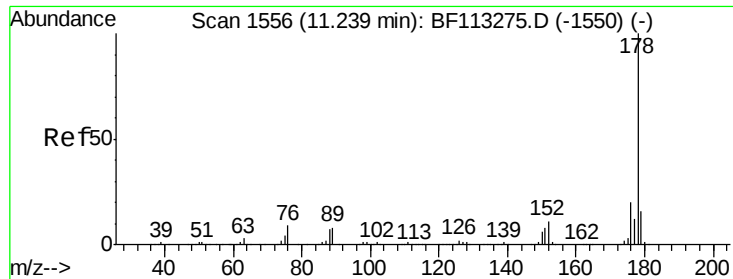
Tgt Ion:188 Resp: 592424
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.0 10.6
 80 9.6 7.7 11.5



#67
 4-Bromophenyl-phenylether
 Concen: 2.888 ng
 RT: 10.52 min Scan# 1433
 Delta R.T. -0.25 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Tgt Ion:248 Resp: 18646
 Ion Ratio Lower Upper
 248 100
 250 193.5 78.3 117.5#
 141 509.1 56.2 84.4#

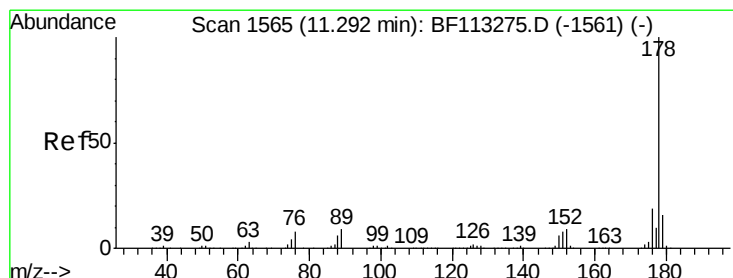
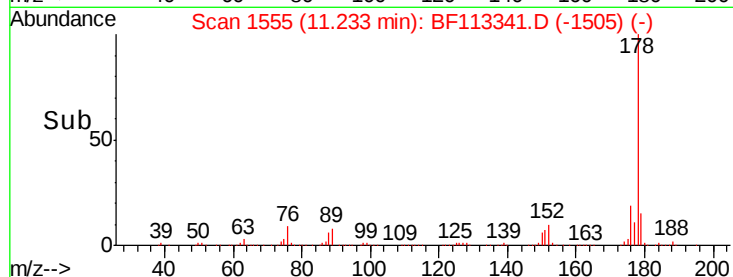
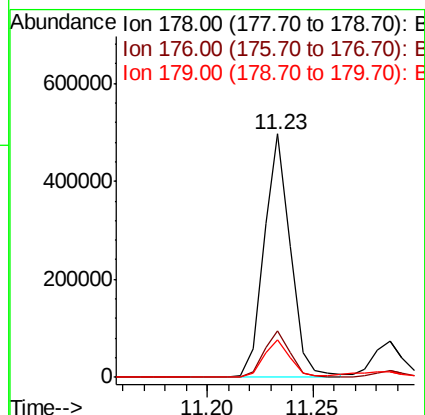
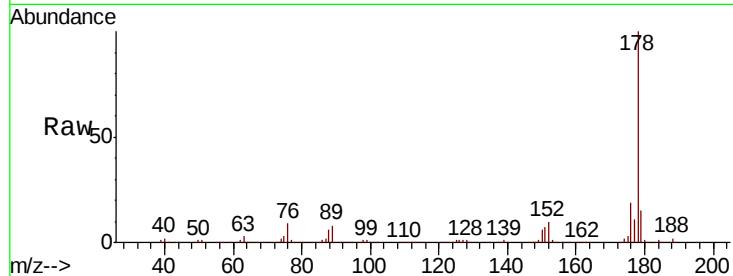




#71
 Phenanthrene
 Concen: 14.652 ng
 RT: 11.23 min Scan# 1555
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

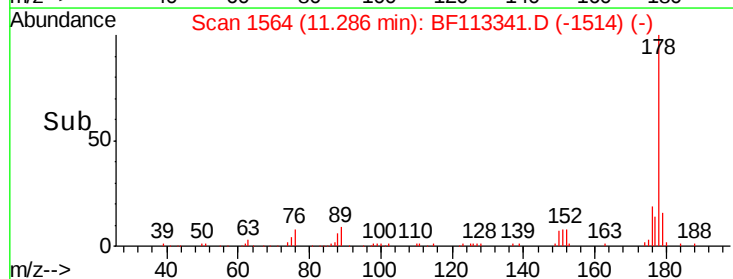
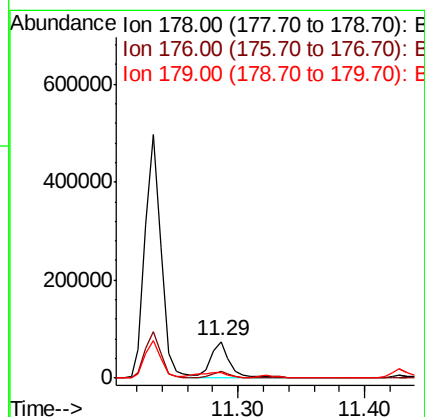
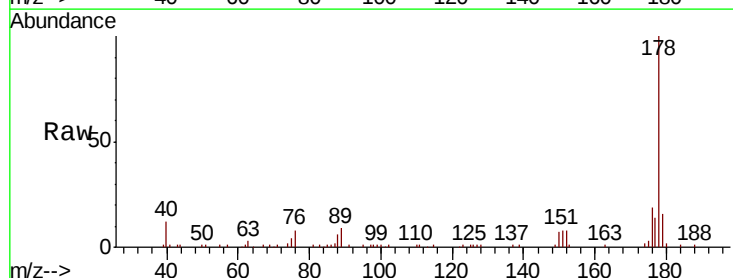
Instrument :
 BNA_F
 ClientSampleId :
 CS-6

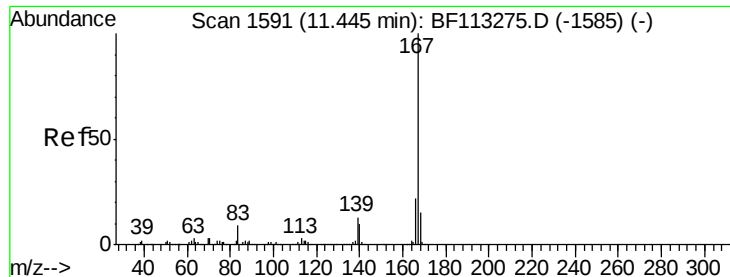
Tgt Ion:178 Resp: 431062
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.2
 179 15.4 12.7 19.1



#72
 Anthracene
 Concen: 2.699 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Tgt Ion:178 Resp: 80645
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.4 23.2
 179 15.7 12.8 19.2

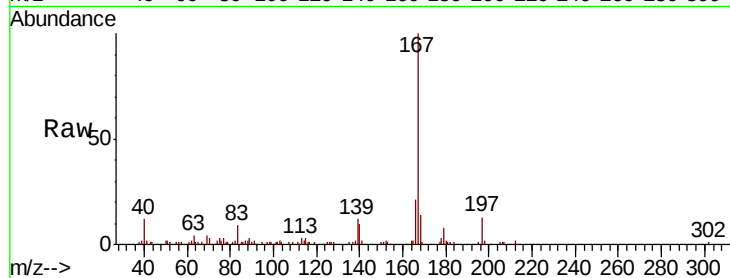




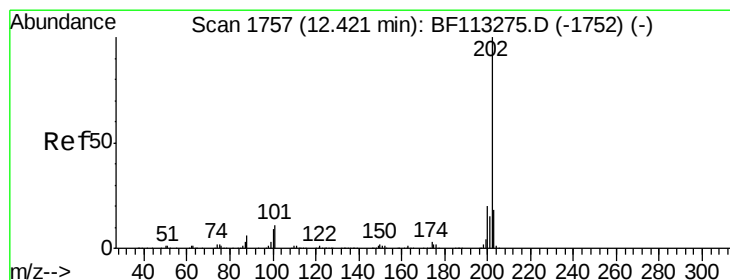
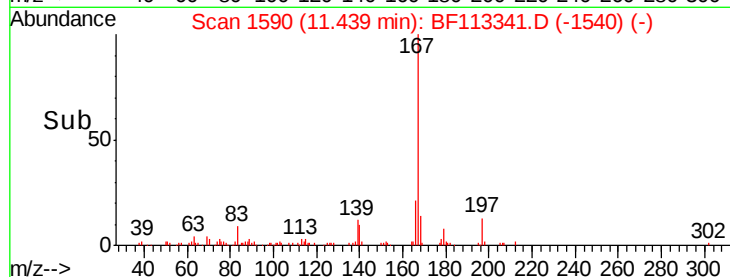
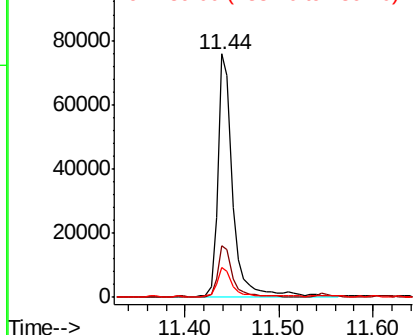
#73
 Carbazole
 Concen: 2.997 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :
 CS-6

Tgt Ion:167 Resp: 85452
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 12.1 10.4 15.6

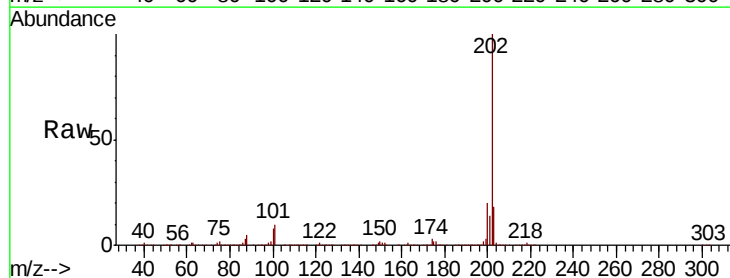


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

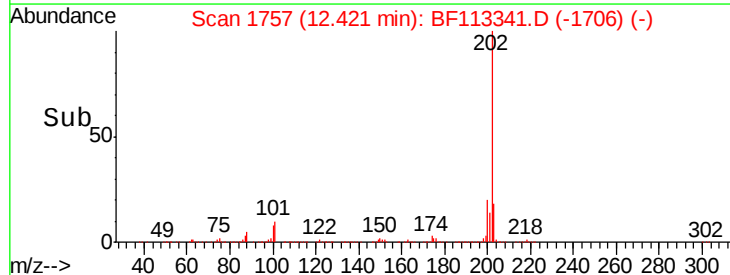
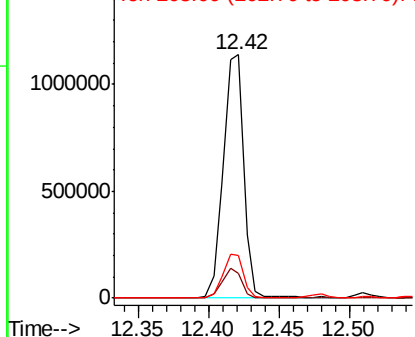


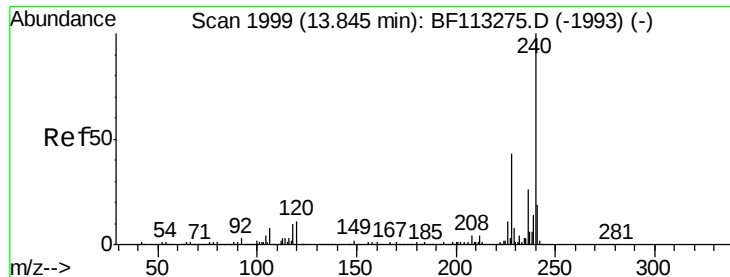
#75
 Fluoranthene
 Concen: 34.644 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: BF113341.D
 Acq: 27 Mar 2019 20:07

Tgt Ion:202 Resp: 1152218
 Ion Ratio Lower Upper
 202 100
 101 10.4 0.0 31.4
 203 17.8 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

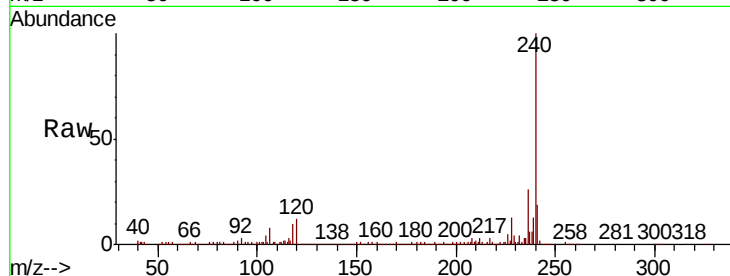




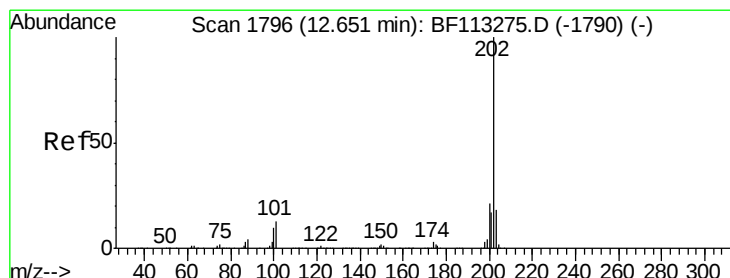
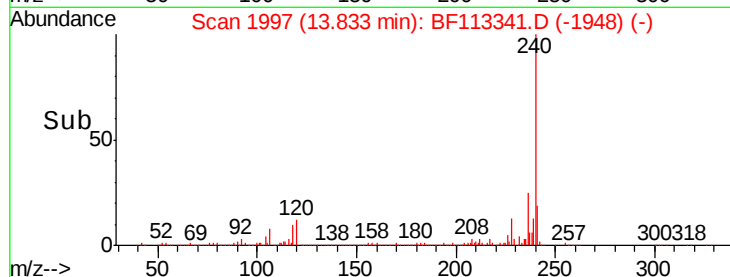
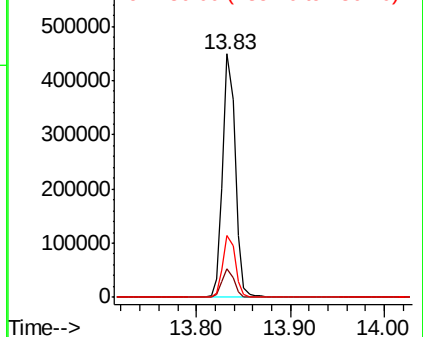
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampleId :
CS-6

Tgt Ion:240 Resp: 426642
Ion Ratio Lower Upper
240 100
120 11.9 8.8 13.2
236 25.6 20.9 31.3

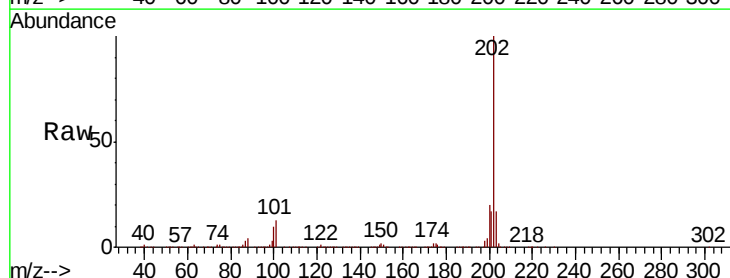


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

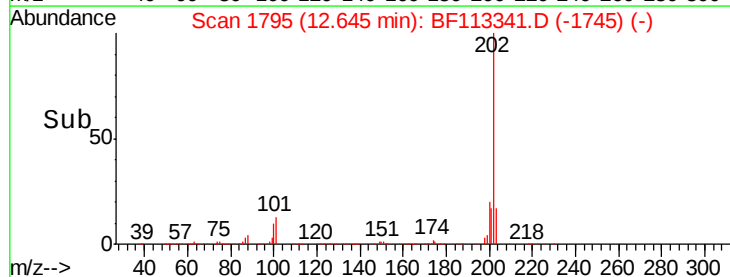
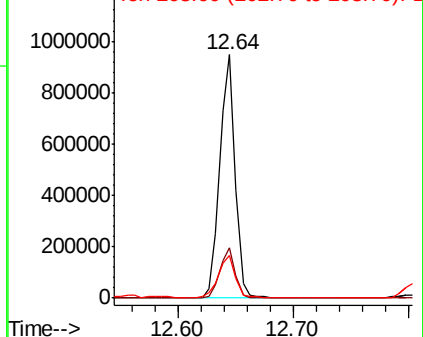


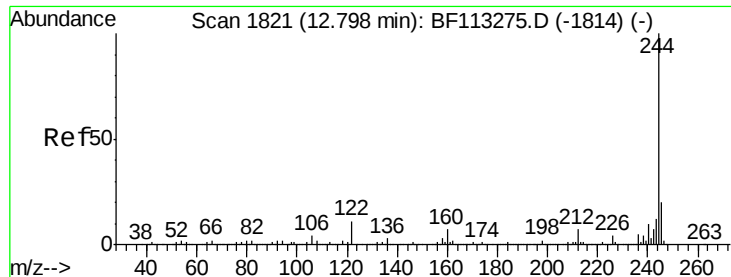
#78
Pyrene
Concen: 29.566 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion:202 Resp: 874109
Ion Ratio Lower Upper
202 100
200 20.5 16.8 25.2
203 17.4 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: 66.351 ng

RT: 12.79 min Scan# 1820

Delta R.T. -0.00 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Instrument :

BNA_F

ClientSampleId :

CS-6

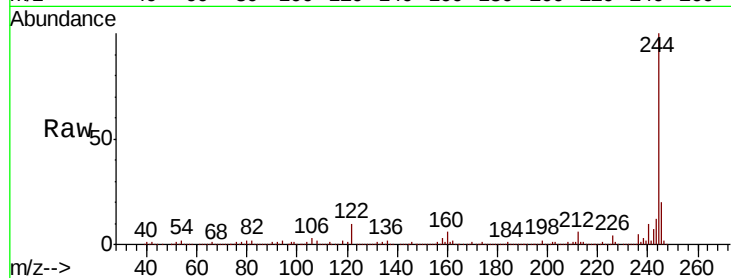
Tgt Ion:244 Resp: 1284301

Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

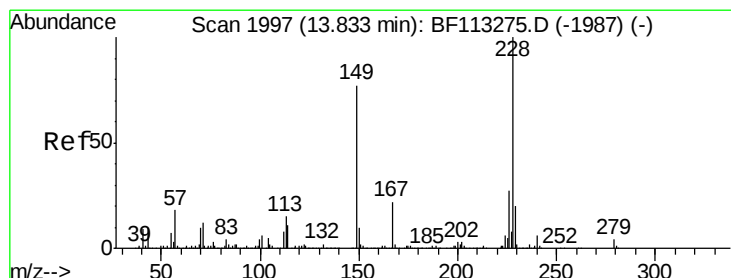
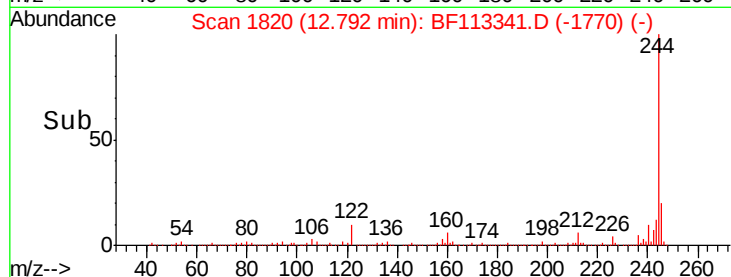
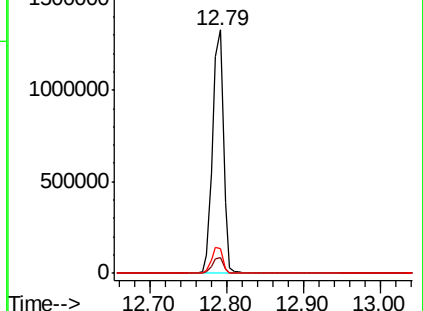
122 10.1 8.6 13.0



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: 5.679 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

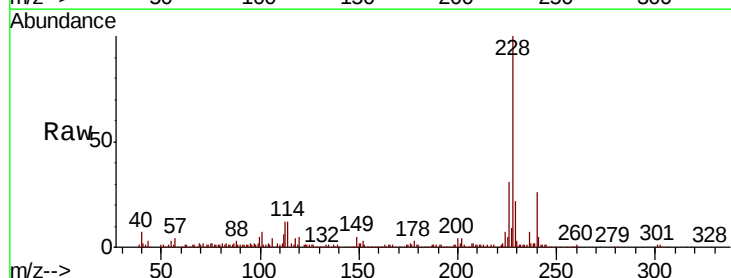
Tgt Ion:228 Resp: 138689

Ion Ratio Lower Upper

228 100

226 31.2 21.8 32.8

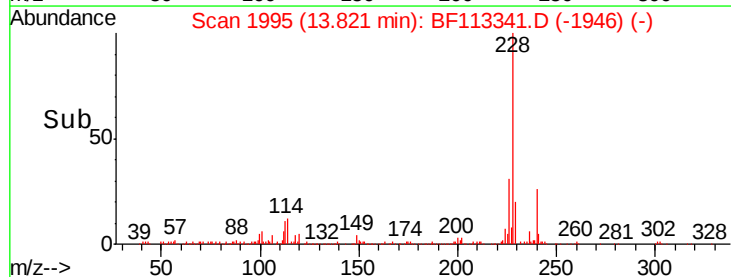
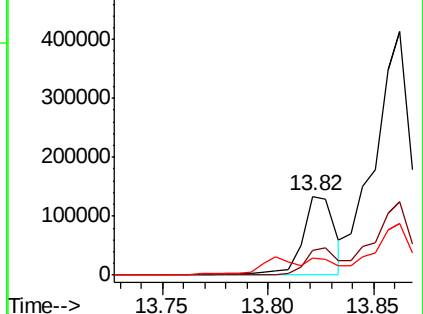
229 21.7 16.2 24.4

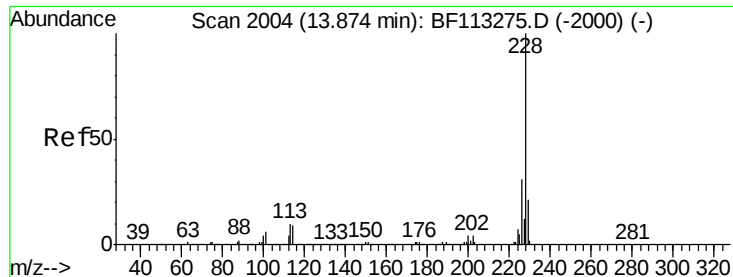


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

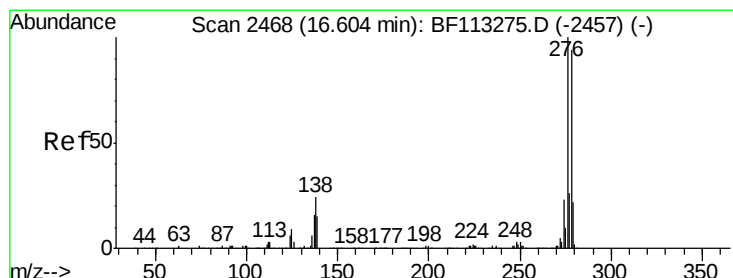
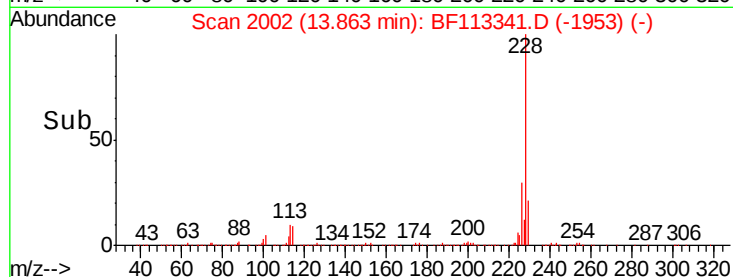
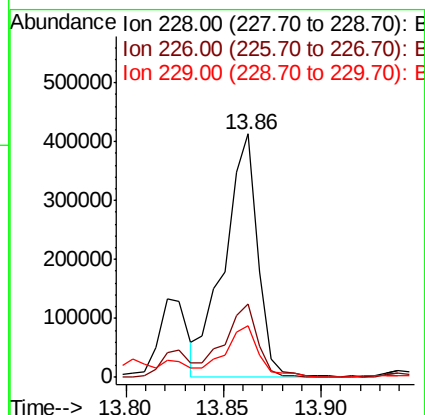
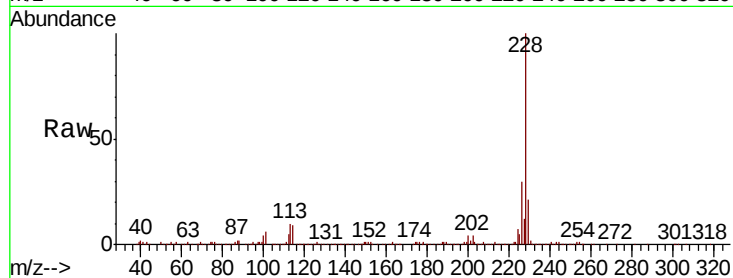




#83
Chrysene
Concen: 19.592 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

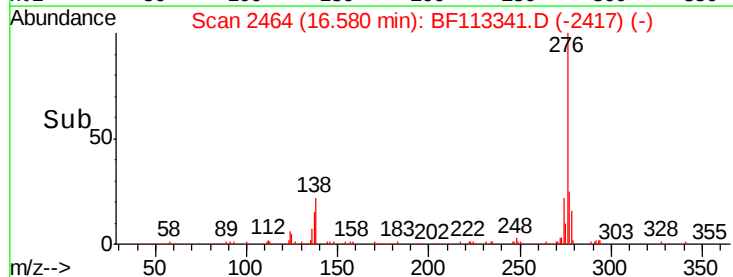
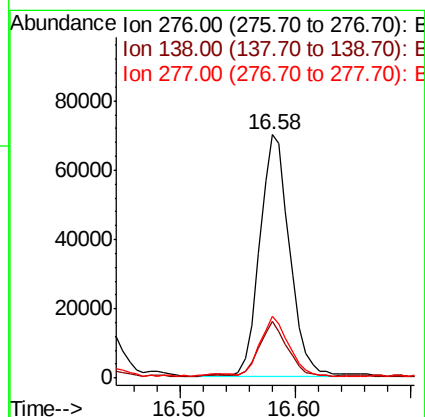
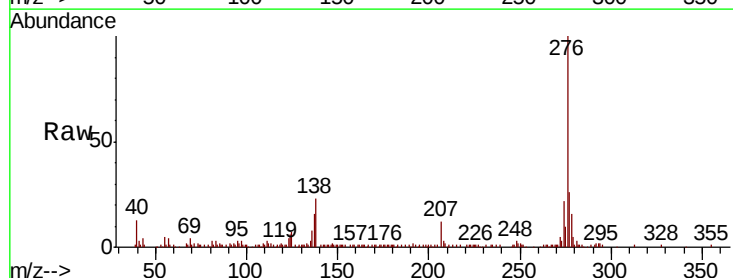
Instrument :
BNA_F
ClientSampled :
CS-6

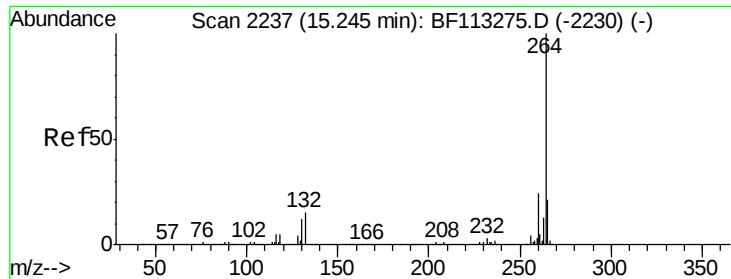
Tgt Ion: 228 Resp: 486002
Ion Ratio Lower Upper
228 100
226 30.1 24.3 36.5
229 21.2 16.3 24.5



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.903 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.02 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion: 276 Resp: 125668
Ion Ratio Lower Upper
276 100
138 21.1 18.1 27.1
277 24.9 20.2 30.4



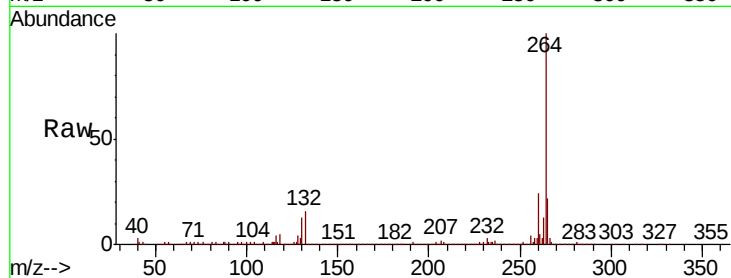


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Instrument :
BNA_F
ClientSampleId :
CS-6

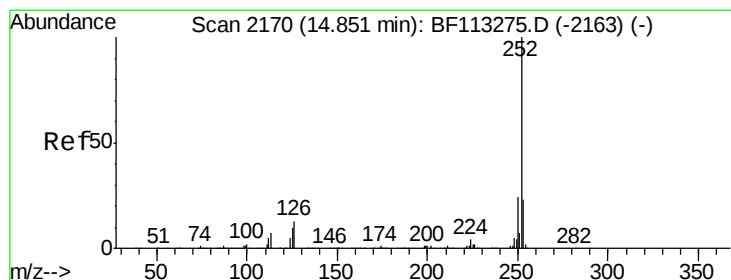
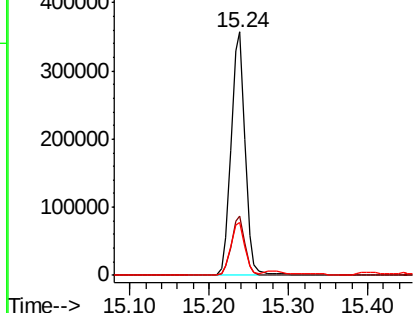
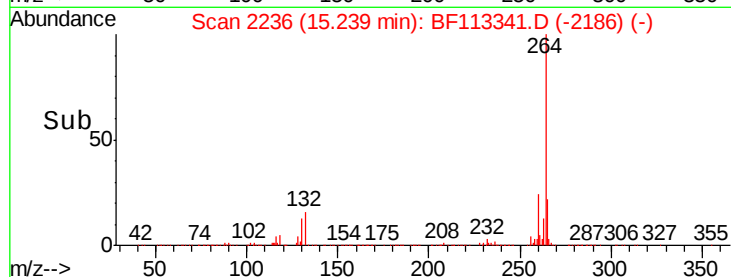
Tgt Ion:264 Resp: 438347

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.1	28.7
265	21.8	17.1	25.7



Abundance

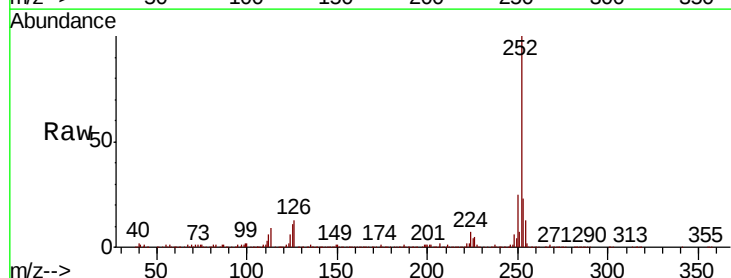
Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 25.190 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

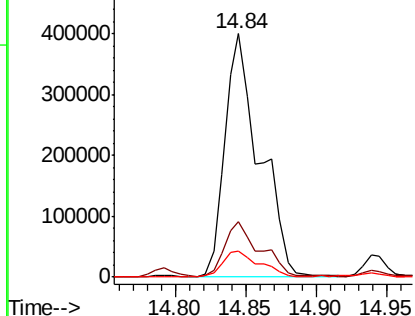
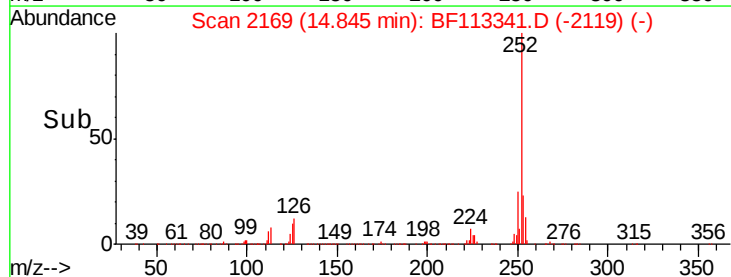
Tgt Ion:252 Resp: 685922

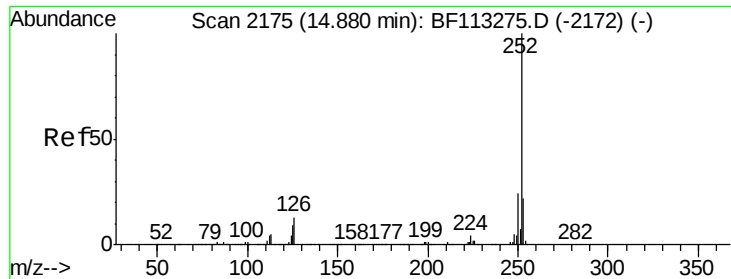
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	10.7	7.6	11.4



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

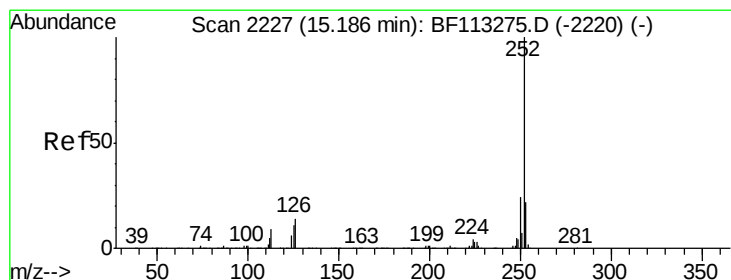
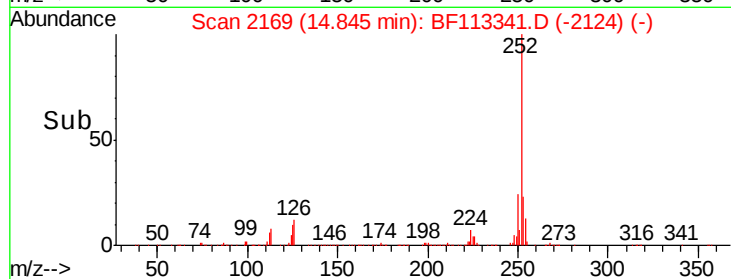
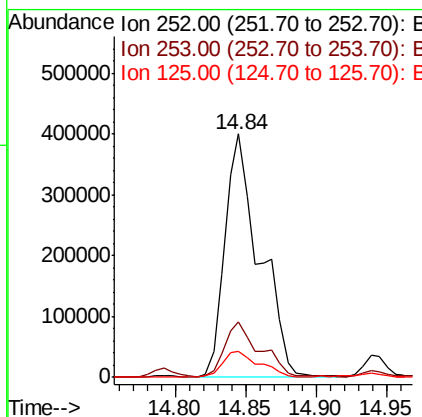
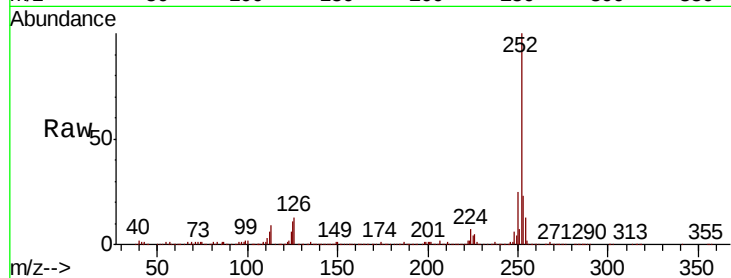




#89
Benzo(k)fluoranthene
Concen: 28.684 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

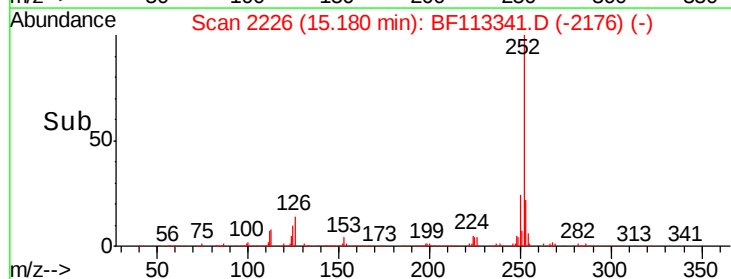
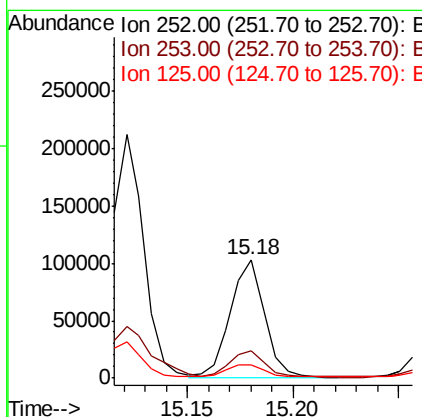
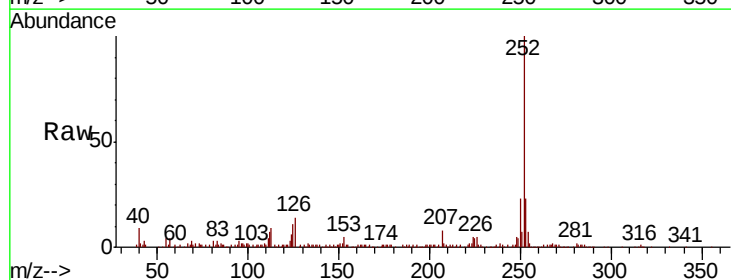
Instrument :
BNA_F
ClientSampleId :
CS-6

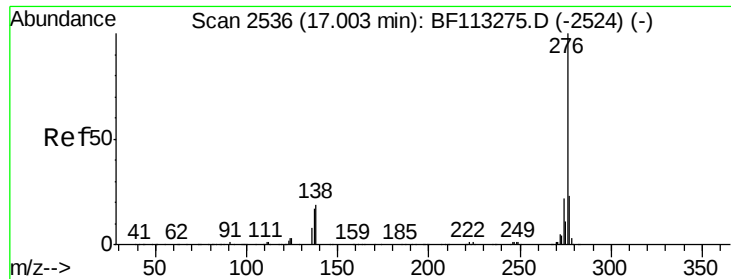
Tgt Ion:252 Resp: 685922
Ion Ratio Lower Upper
252 100
253 22.8 17.7 26.5
125 10.7 7.3 10.9



#90
Benzo(a)pyrene
Concen: 4.744 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113341.D
Acq: 27 Mar 2019 20:07

Tgt Ion:252 Resp: 114534
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 10.8 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 5.132 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF113341.D

Acq: 27 Mar 2019 20:07

Instrument :

BNA_F

ClientSampleId :

CS-6

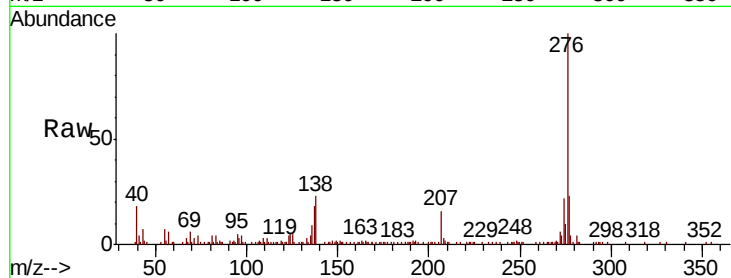
Tgt Ion: 276 Resp: 108000

Ion Ratio Lower Upper

276 100

277 22.9 18.8 28.2

138 22.6 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

