

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032819\
 Data File : BF113395.D
 Acq On : 29 Mar 2019 2:46
 Operator : JU/SJ
 Sample : 2086-03DL 2X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-13DL

Quant Time: Mar 29 05:25:56 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	181942	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	718026	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	340550	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	615596	20.00	ng	0.00
76) Chrysene-d12	13.84	240	452004	20.00	ng	0.00
87) Perylene-d12	15.24	264	488822	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	608334	54.67	ng	0.00
7) Phenol-d6	6.35	99	797299	56.64	ng	-0.01
23) Nitrobenzene-d5	7.26	82	466671	38.58	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	219980	52.29	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	966139	33.85	ng	0.00
79) Terphenyl-d14	12.79	244	847984	41.35	ng	-0.01

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	59737	6.756	ng	# 74
25) Isophorone	7.26	82	466667	19.905	ng	# 64
49) Acenaphthylene	9.59	152	95314	2.692	ng	98
50) Dimethylphthalate	9.45	163	71756	2.843	ng	98
51) 2,6-Dinitrotoluene	9.73	165	45259	7.949	ng	# 27
52) Acenaphthene	9.76	154	57995	2.908	ng	98
55) Dibenzofuran	9.94	168	87336	2.913	ng	95
56) 4-Nitrophenol	9.94	139	29523	6.450	ng	# 8
57) 2,4-Dinitrotoluene	9.73	165	45259	6.251	ng	# 23
58) Fluorene	10.28	166	71849	3.085	ng	100
71) Phenanthrene	11.24	178	1051613	34.399	ng	99
72) Anthracene	11.29	178	159184	5.126	ng	98
73) Carbazole	11.44	167	175530	5.924	ng	97
75) Fluoranthene	12.43	202	2326221	67.311	ng	98
78) Pyrene	12.65	202	1847726	58.991	ng	99
81) Benzo(a)anthracene	13.83	228	384261	14.852	ng	96
83) Chrysene	13.87	228	1107083	42.126	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	202000	8.956	ng	95
88) Benzo(b)fluoranthene	14.85	252	1332950	43.897	ng	98
89) Benzo(k)fluoranthene	14.85	252	1332950	49.986	ng	# 98
90) Benzo(a)pyrene	15.19	252	290851	10.804	ng	98
92) Benzo(g,h,i)perylene	17.00	276	155792	6.638	ng	97

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

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ALS Vial  : 25    Sample Multiplier: 1
```

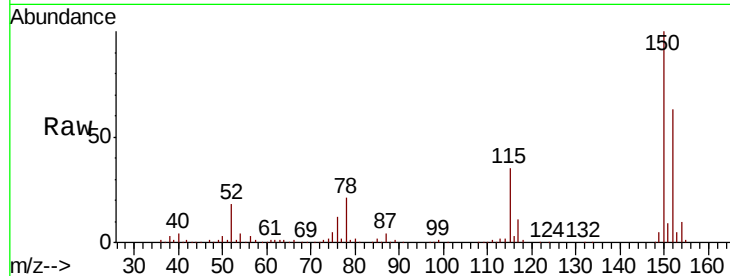


#1

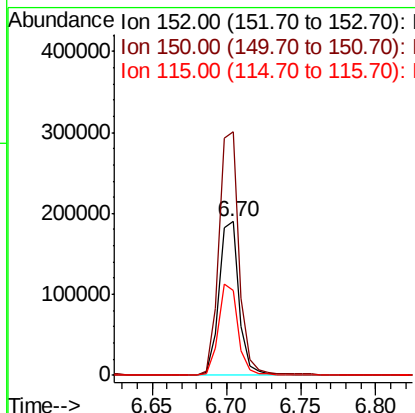
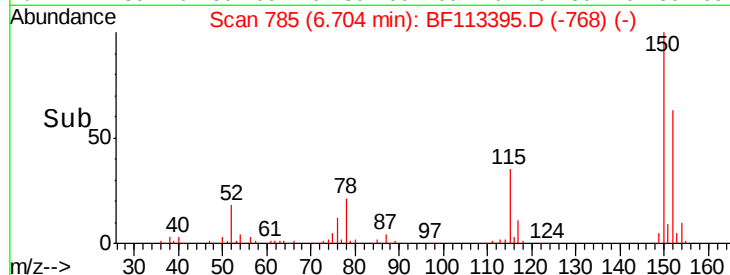
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tgt Ion:152 Resp: 181942
Ion Ratio Lower Upper
152 100
150 158.7 124.7 187.1
115 55.3 46.0 69.0



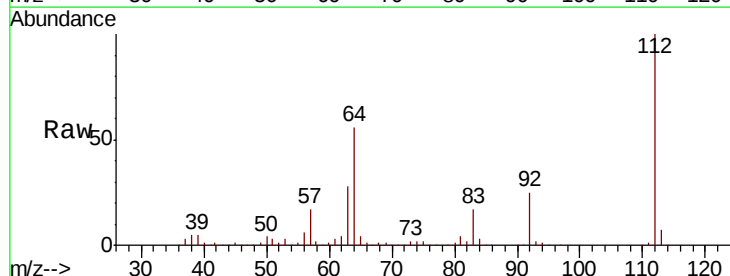
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



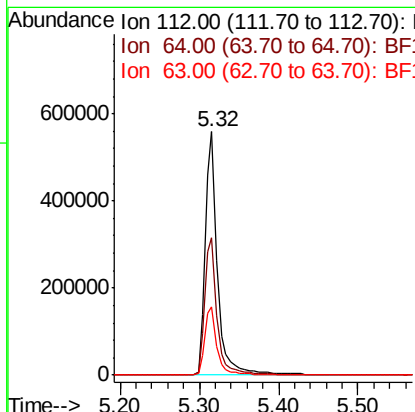
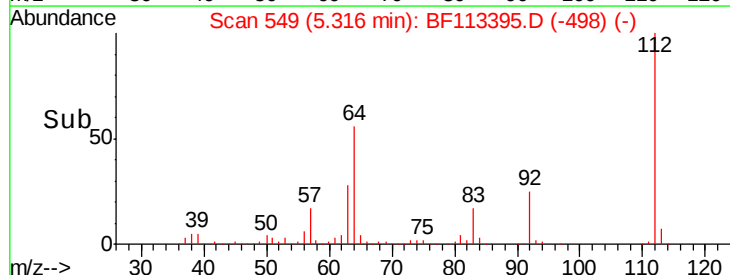
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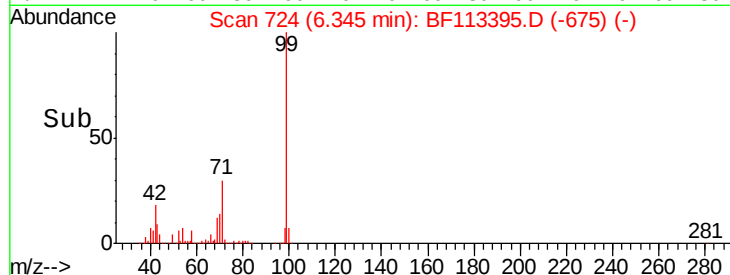
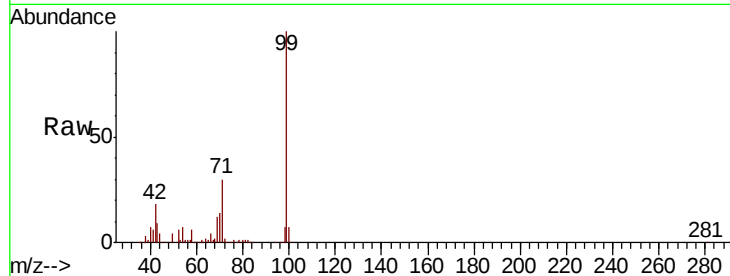
2-Fluorophenol
Concen: 54.671 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Tgt Ion:112 Resp: 608334
Ion Ratio Lower Upper
112 100
64 56.2 49.2 73.8
63 28.1 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: 56.641 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

CS-13DL

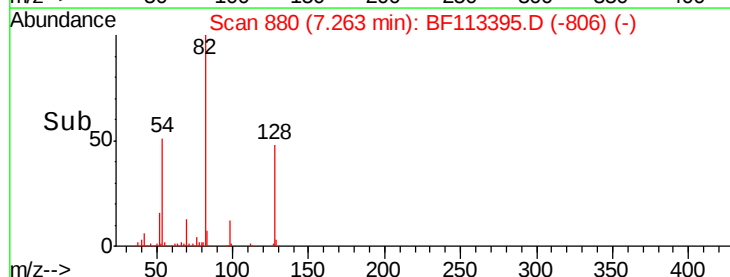
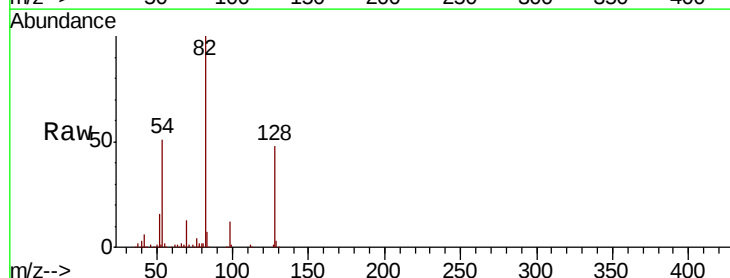
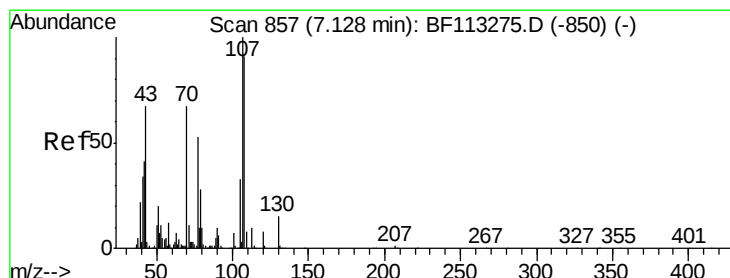
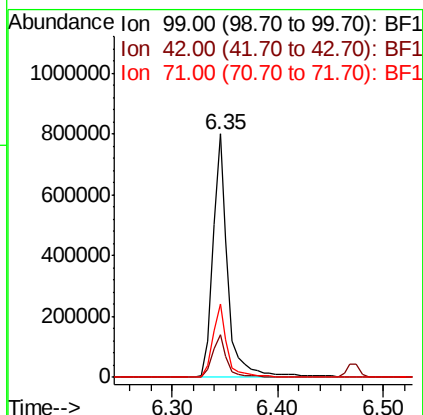
Tgt Ion: 99 Resp: 797299

Ion Ratio Lower Upper

99 100

42 17.5 14.8 22.2

71 30.3 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 6.756 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Tgt Ion: 70 Resp: 59737

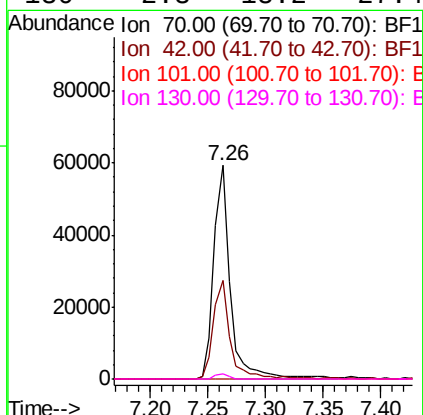
Ion Ratio Lower Upper

70 100

42 45.9 48.4 72.6#

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#

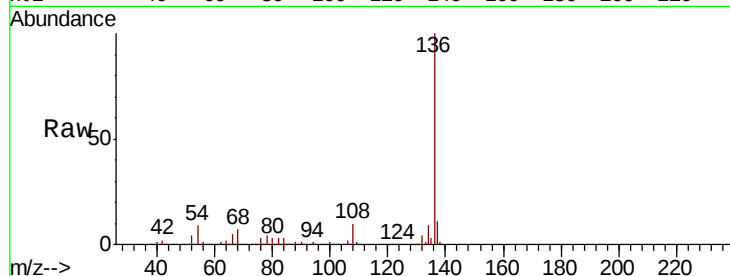




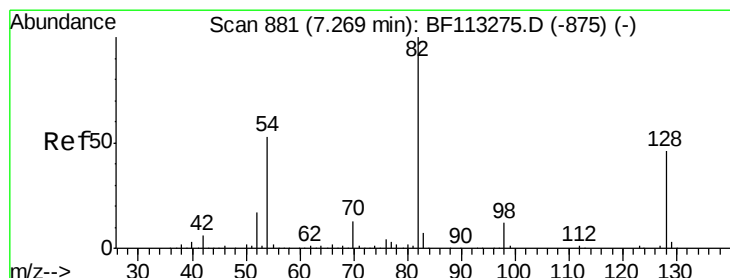
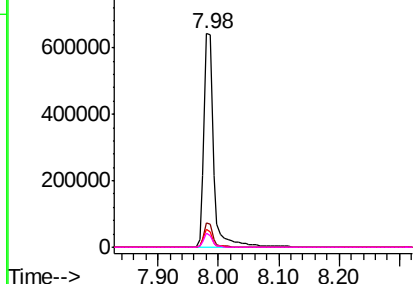
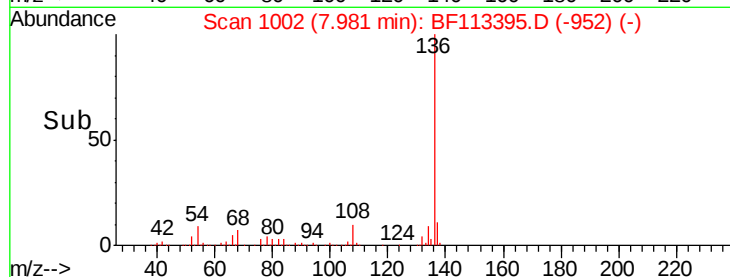
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.98 min Scan# 1002
Delta R.T. -0.01 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tgt Ion:	136	Resp:	718026
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.7	7.0	10.6
68	6.6	4.8	7.2

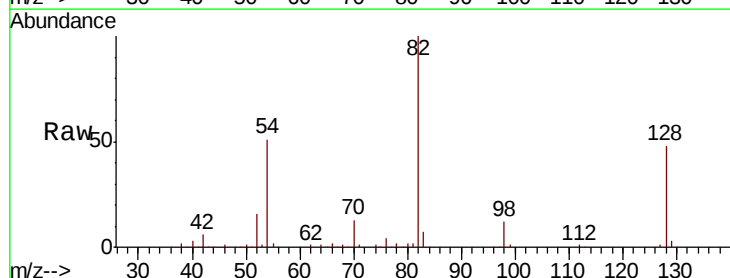


Abundance Ion 136.00 (135.70 to 136.70): E
1000000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

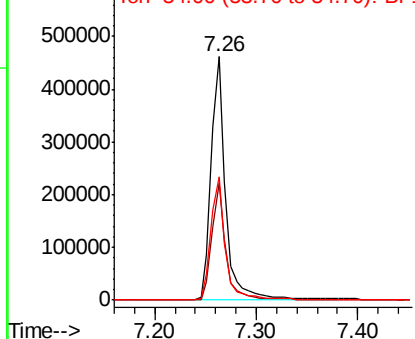
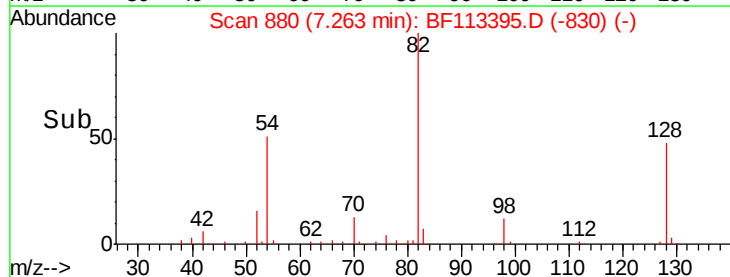


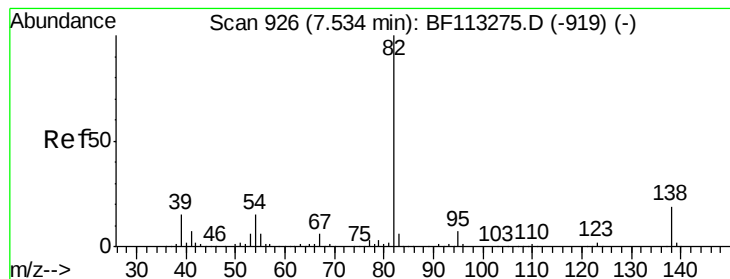
#23
Nitrobenzene-d5
Concen: 38.576 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.01 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Tgt Ion:	82	Resp:	466671
Ion	Ratio	Lower	Upper
82	100		
128	48.0	36.5	54.7
54	50.6	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: 19.905 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.27 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

CS-13DL

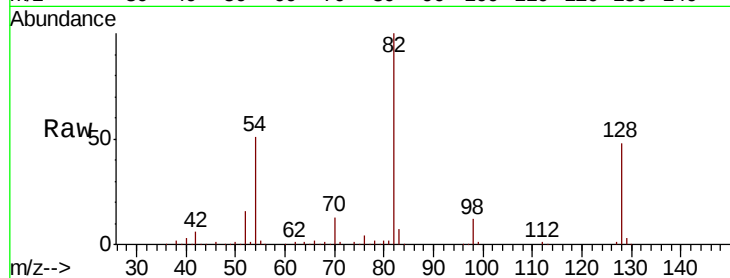
Tgt Ion: 82 Resp: 466667

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

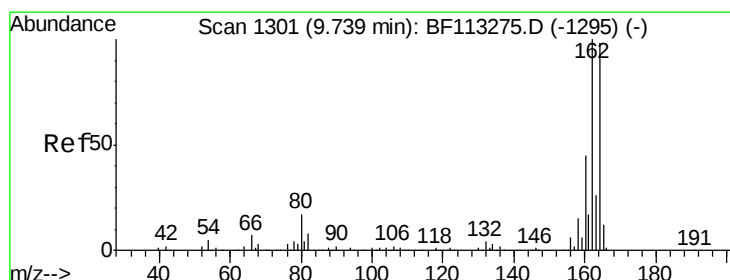
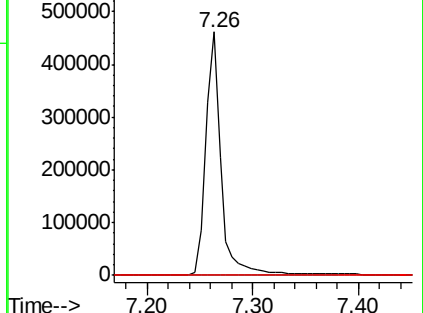
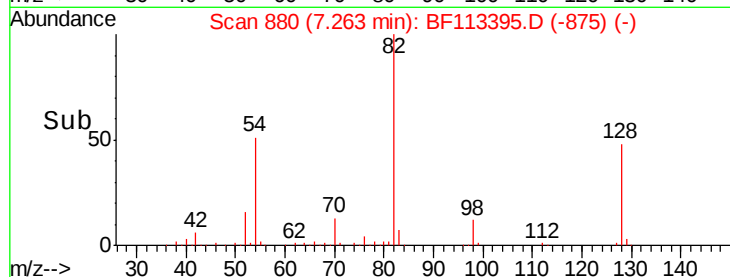
138 0.0 15.2 22.8#



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: BF113395.D

Acq: 29 Mar 2019 2:46

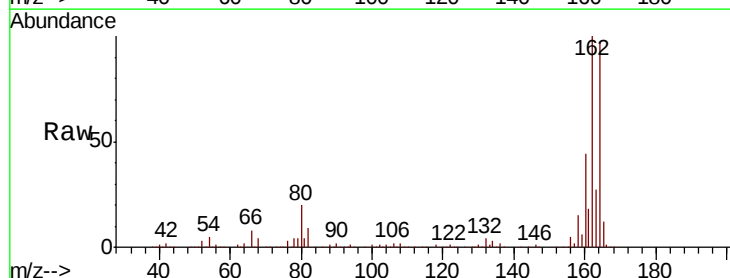
Tgt Ion: 164 Resp: 340550

Ion Ratio Lower Upper

164 100

162 102.6 81.8 122.6

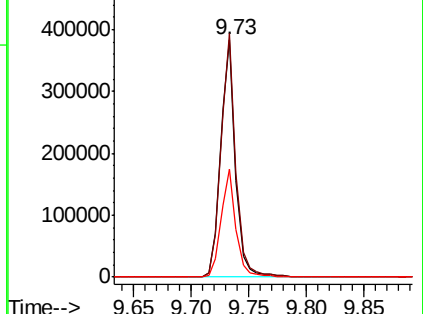
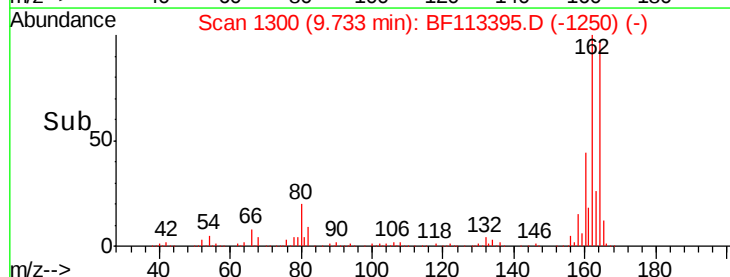
160 45.5 36.4 54.6

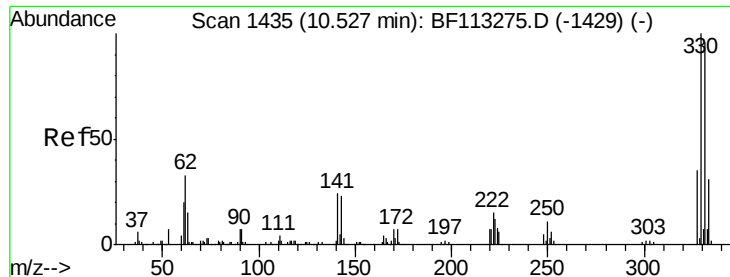


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

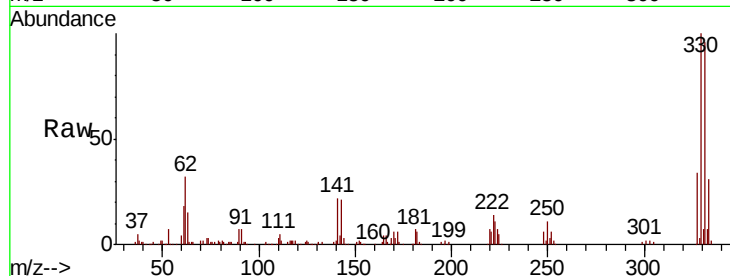




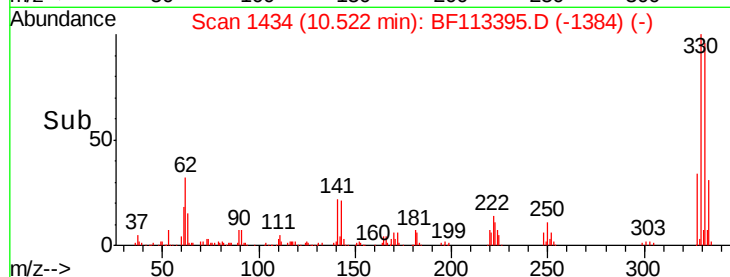
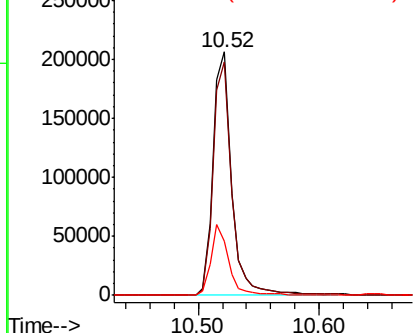
#42
 2,4,6-Tribromophenol
 Concen: 52.294 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

Instrument :
 BNA_F
 ClientSampled :
 CS-13DL

Tgt Ion:330 Resp: 219980
 Ion Ratio Lower Upper
 330 100
 332 96.6 77.8 116.6
 141 27.9 22.7 34.1

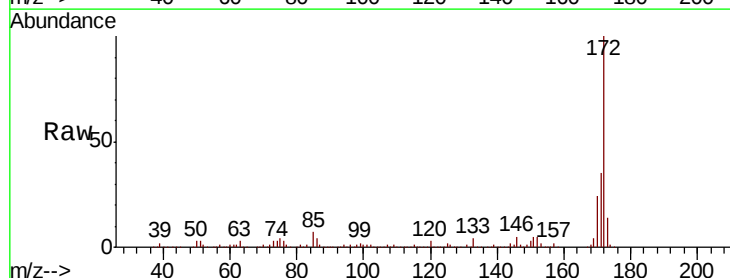


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

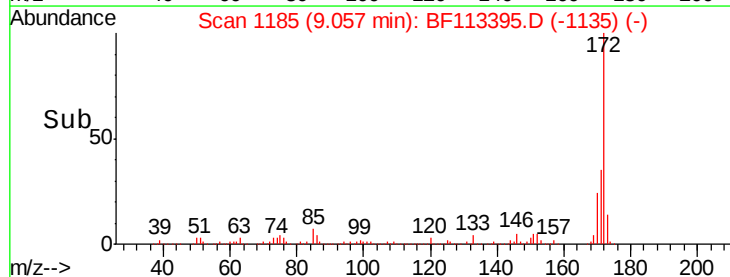
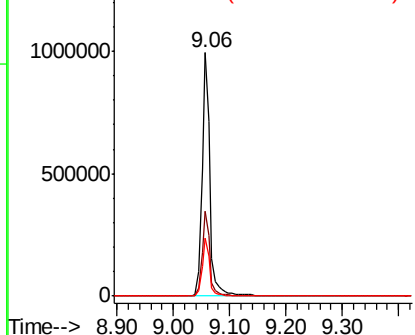


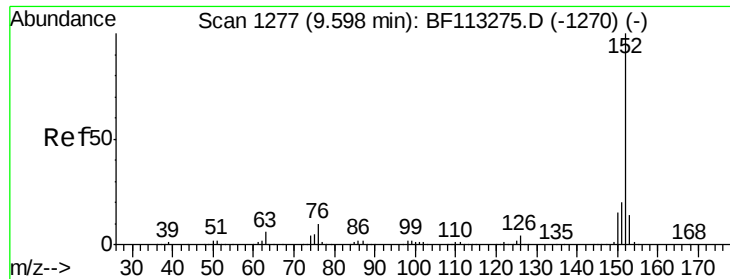
#45
 2-Fluorobiphenyl
 Concen: 33.853 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

Tgt Ion:172 Resp: 966139
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.0 43.6
 170 23.9 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





#49

Acenaphthylene

Concen: 2.692 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Instrument :

BNA_F

ClientSampled :

CS-13DL

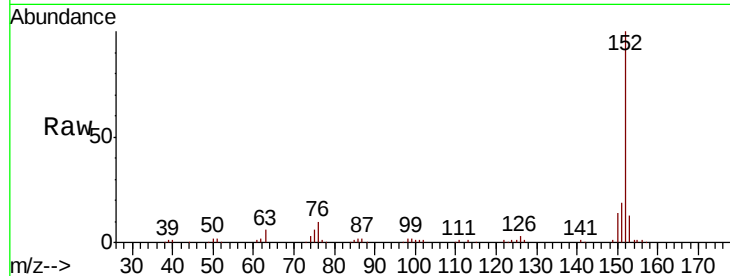
Tgt Ion:152 Resp: 95314

Ion Ratio Lower Upper

152 100

151 19.0 16.2 24.4

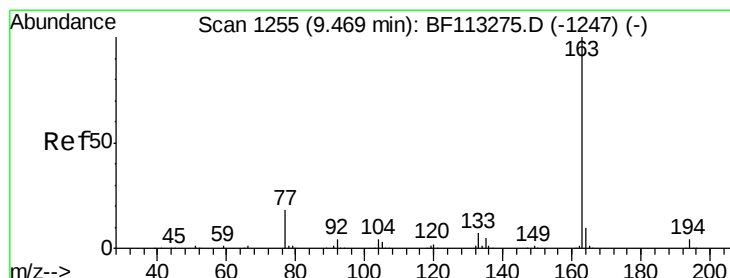
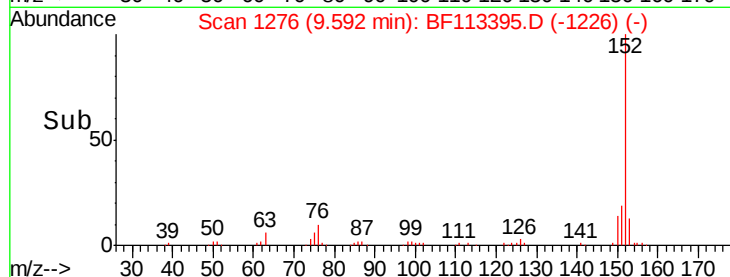
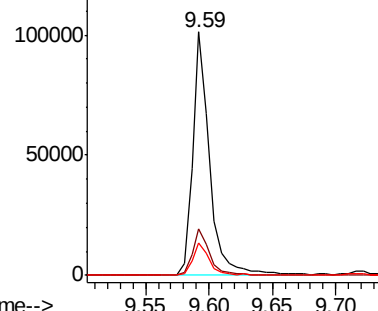
153 13.3 11.0 16.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 2.843 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

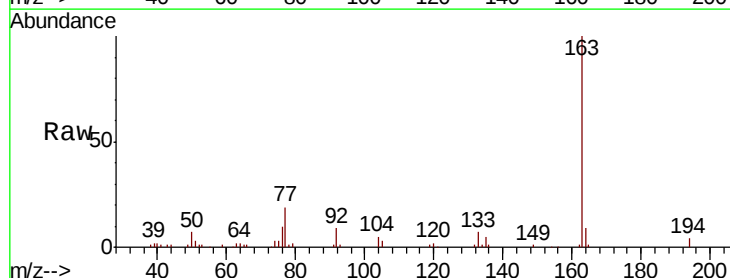
Tgt Ion:163 Resp: 71756

Ion Ratio Lower Upper

163 100

194 4.3 3.0 4.6

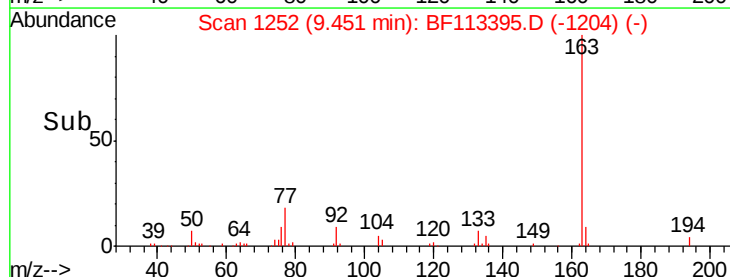
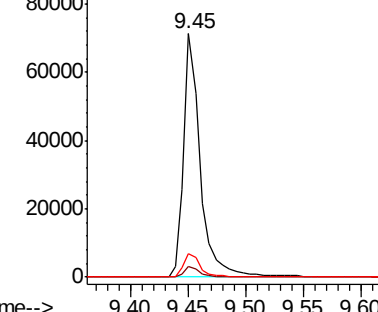
164 9.5 8.1 12.1

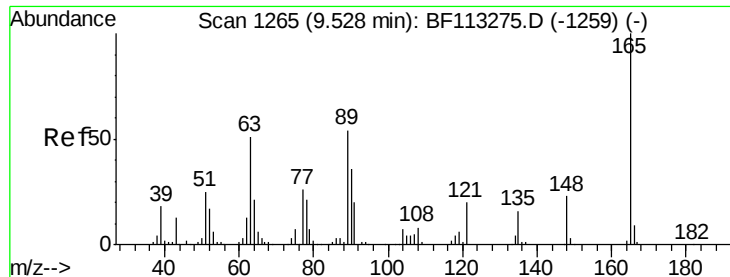


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

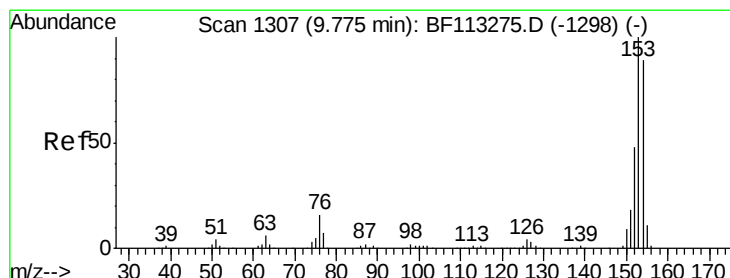
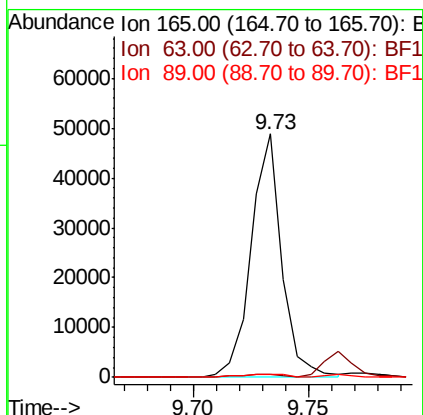
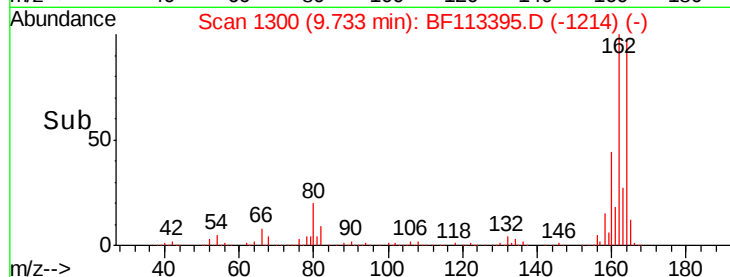
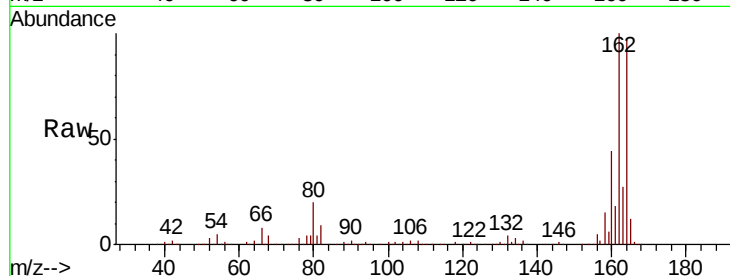




#51
2,6-Dinitrotoluene
Concen: 7.949 ng
RT: 9.73 min Scan# 1300
Delta R.T. 0.21 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

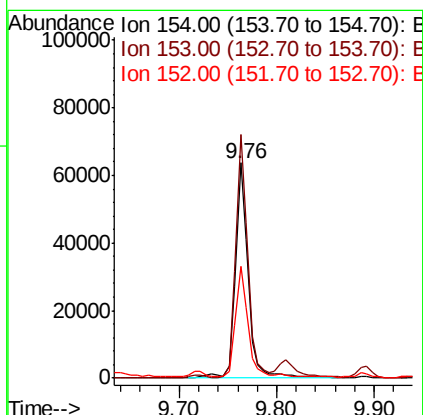
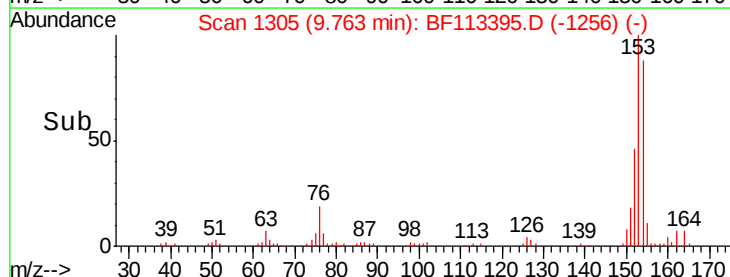
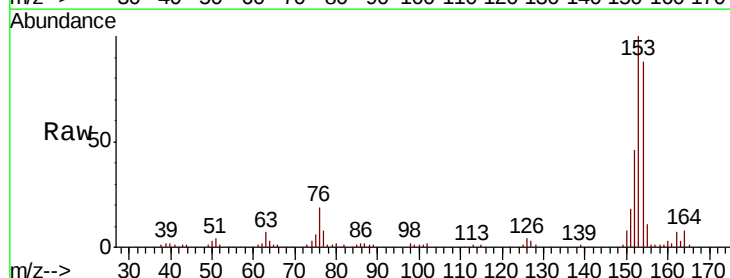
Instrument :
BNA_F
ClientSampleId :
CS-13DL

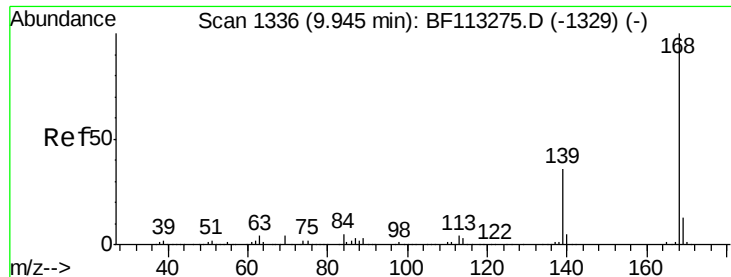
Tgt Ion:165 Resp: 45259
Ion Ratio Lower Upper
165 100
63 1.3 43.4 65.0#
89 1.5 43.1 64.7#



#52
Acenaphthene
Concen: 2.908 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Tgt Ion:154 Resp: 57995
Ion Ratio Lower Upper
154 100
153 113.1 89.5 134.3
152 52.1 43.3 64.9

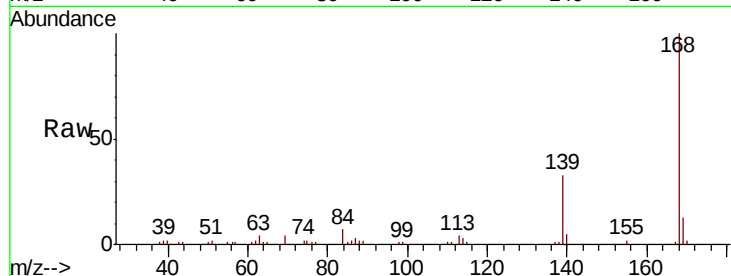




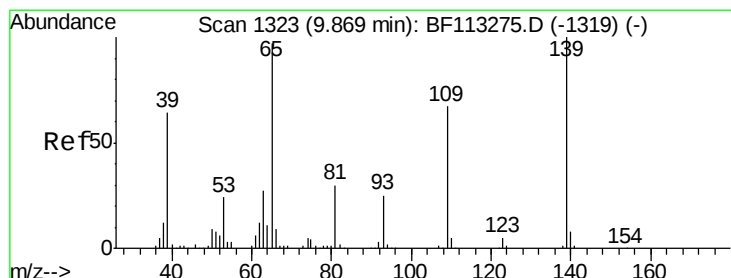
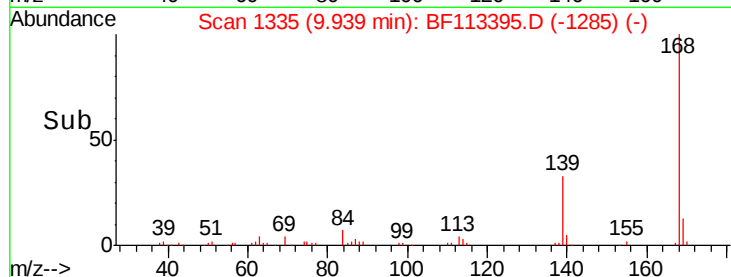
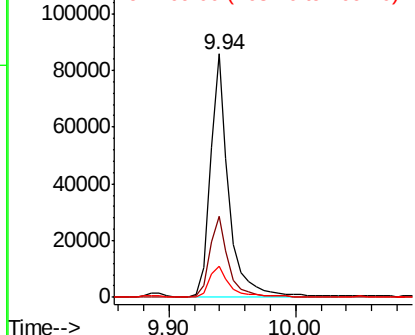
#55
Dibenzenofuran
Concen: 2.913 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Instrument :
BNA_F
ClientSampled :
CS-13DL

Tgt Ion:168 Resp: 87336
Ion Ratio Lower Upper
168 100
139 33.2 29.7 44.5
169 13.0 10.7 16.1

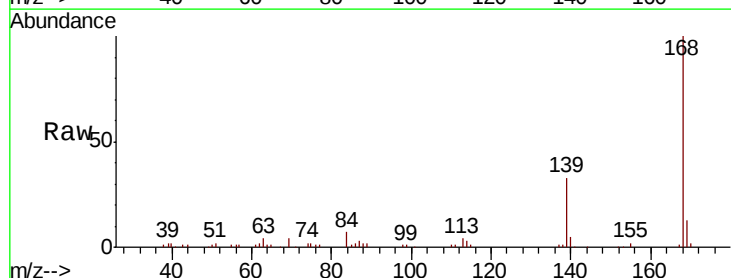


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

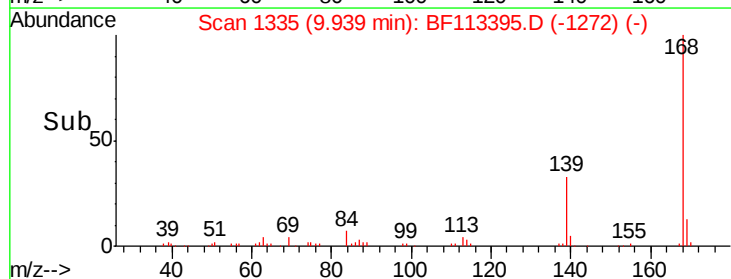
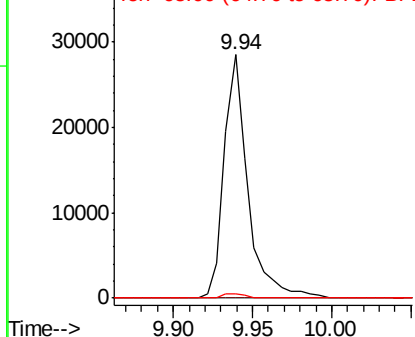


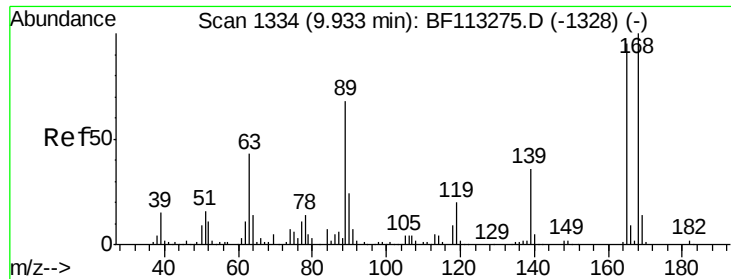
#56
4-Nitrophenol
Concen: 6.450 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.07 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Tgt Ion:139 Resp: 29523
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 1.6 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

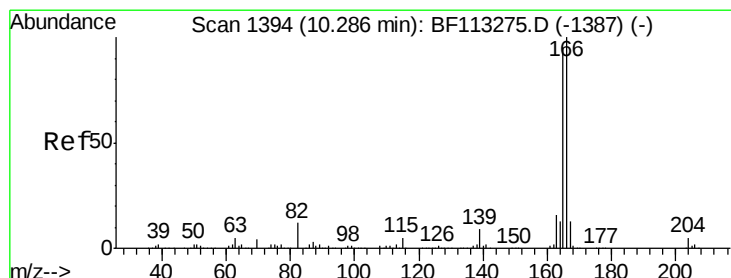
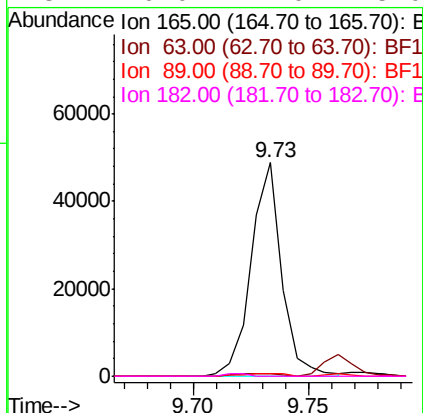
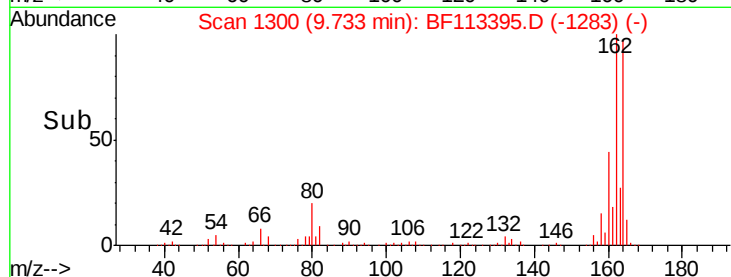
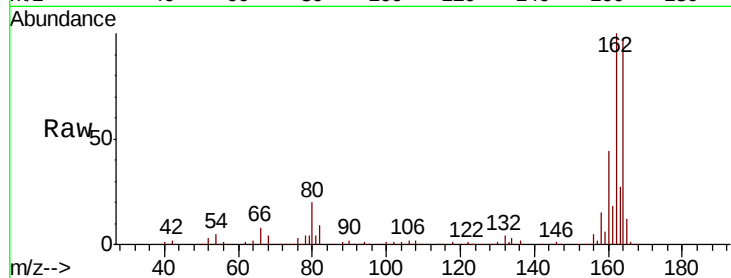




#57
 2,4-Dinitrotoluene
 Concen: 6.251 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. -0.20 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

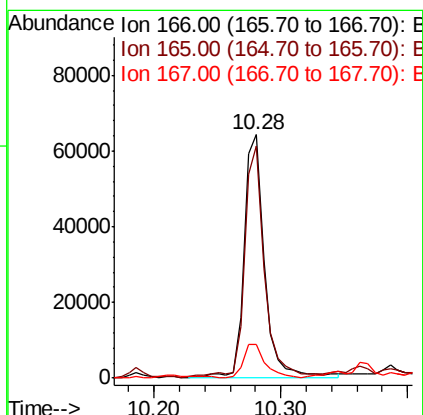
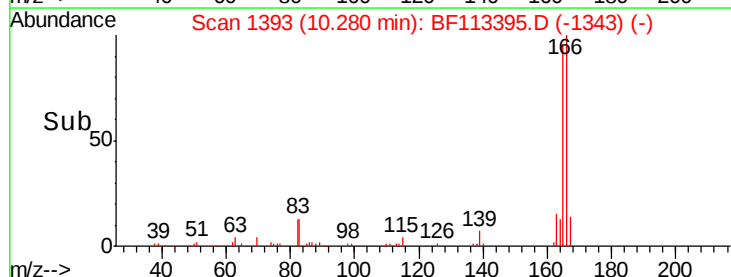
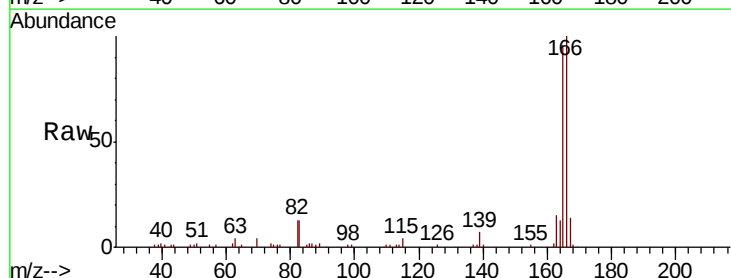
Instrument :
 BNA_F
 ClientSampleId :
 CS-13DL

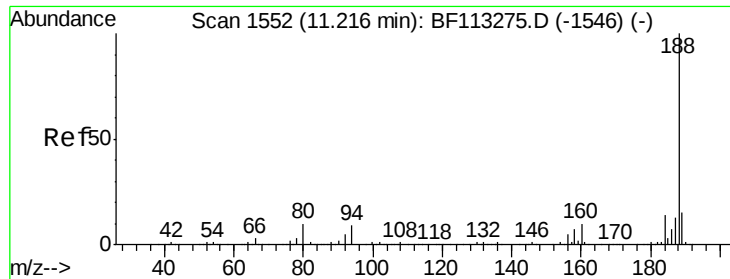
Tgt Ion:	165	Resp:	45259
Ion	Ratio	Lower	Upper
165	100		
63	1.3	37.5	56.3#
89	1.5	57.4	86.2#
182	0.0	2.0	3.0#



#58
 Fluorene
 Concen: 3.085 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

Tgt Ion:	166	Resp:	71849
Ion	Ratio	Lower	Upper
166	100		
165	95.5	76.2	114.2
167	14.0	10.7	16.1

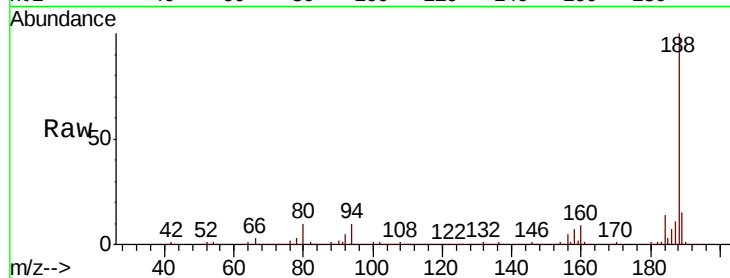




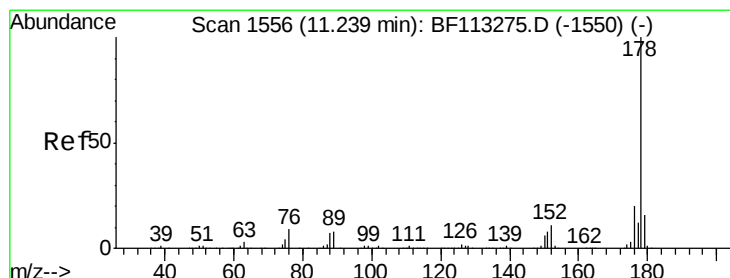
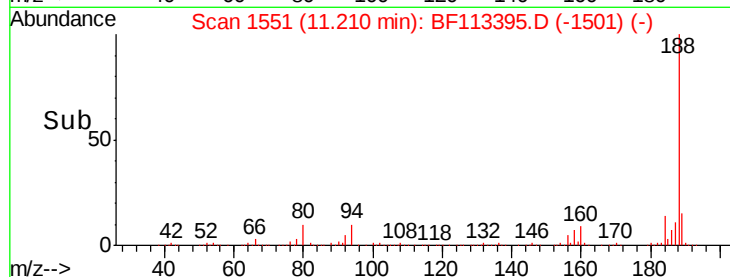
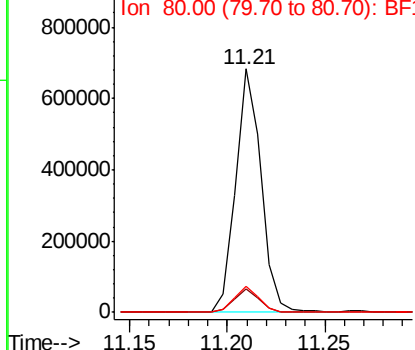
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tgt Ion:188 Resp: 615596
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.4 7.7 11.5

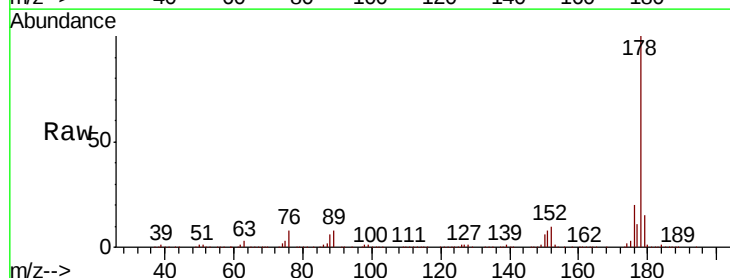


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

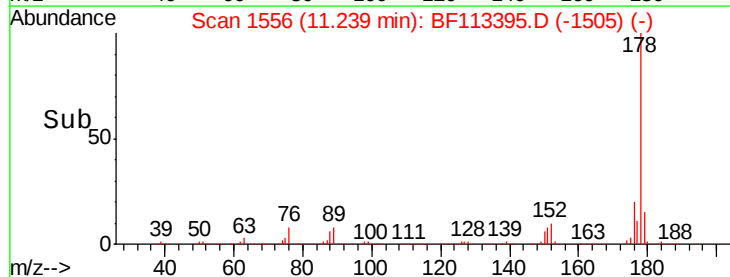
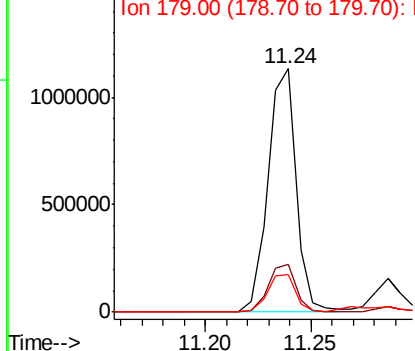


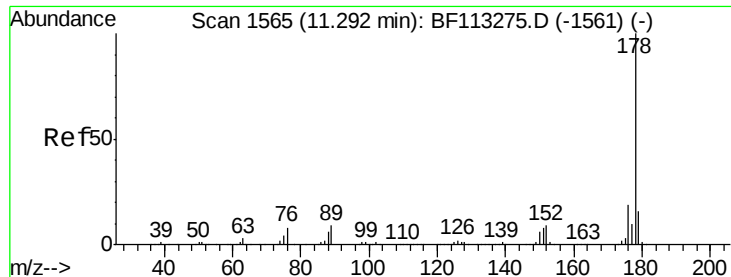
#71
Phenanthrene
Concen: 34.399 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Tgt Ion:178 Resp: 1051613
Ion Ratio Lower Upper
178 100
176 19.8 16.2 24.2
179 15.4 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

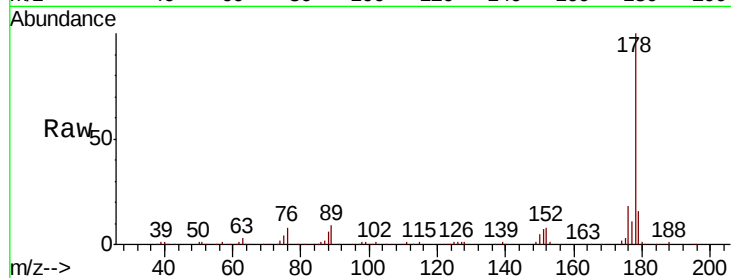




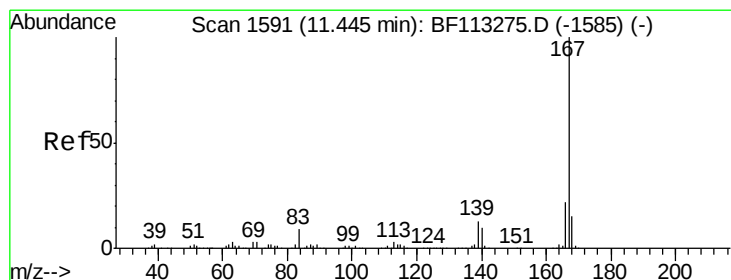
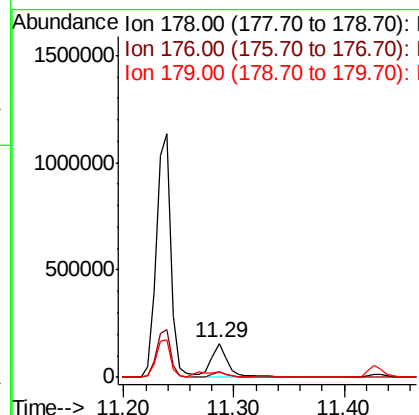
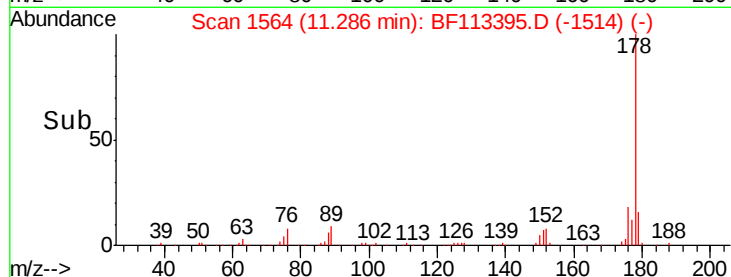
#72
 Anthracene
 Concen: 5.126 ng
 RT: 11.29 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

Instrument :
 BNA_F
 ClientSampleId :
 CS-13DL

Tgt Ion:178 Resp: 159184
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.2
 179 16.5 12.8 19.2

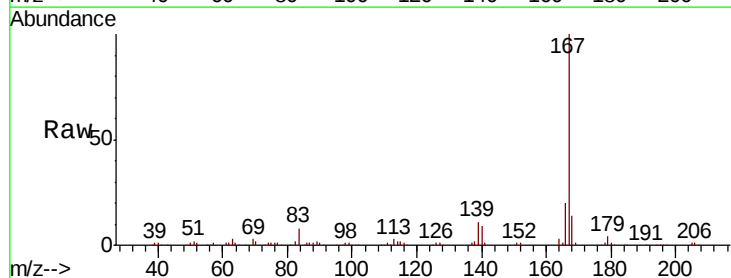


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

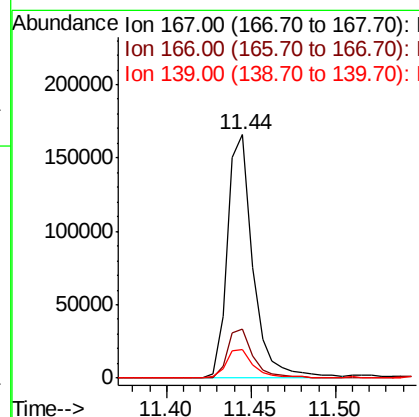
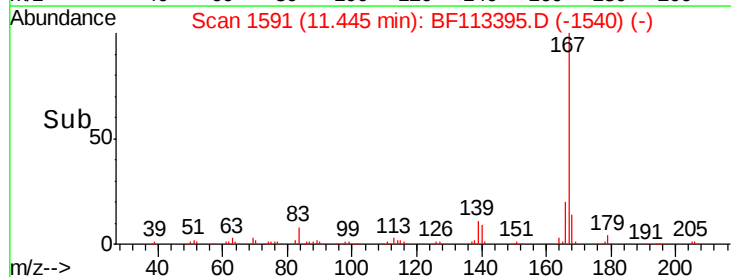


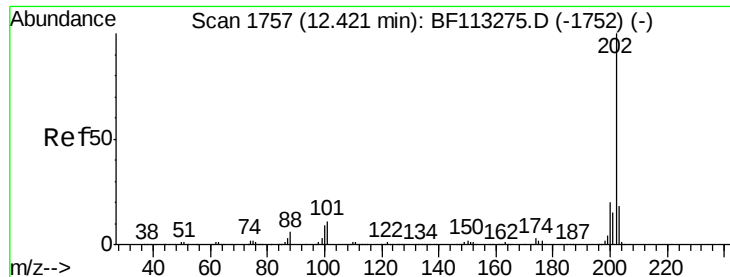
#73
 Carbazole
 Concen: 5.924 ng
 RT: 11.44 min Scan# 1591
 Delta R.T. -0.00 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

Tgt Ion:167 Resp: 175530
 Ion Ratio Lower Upper
 167 100
 166 20.2 17.4 26.0
 139 11.5 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: 67.311 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

CS-13DL

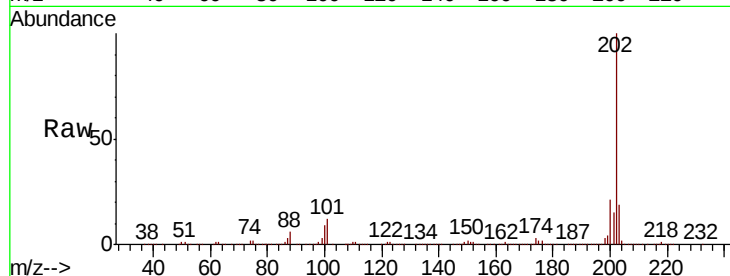
Tgt Ion:202 Resp: 2326221

Ion Ratio Lower Upper

202 100

101 12.0 0.0 31.4

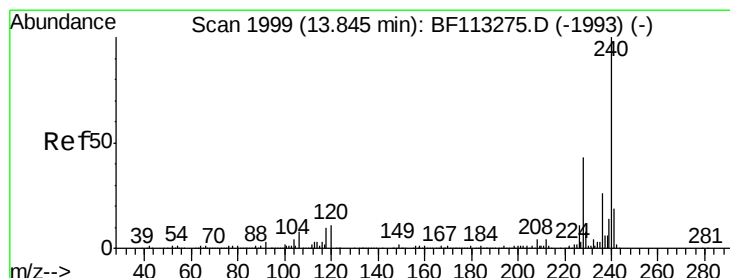
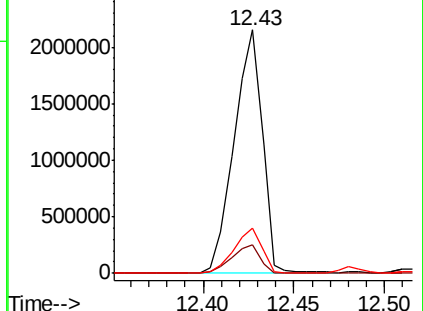
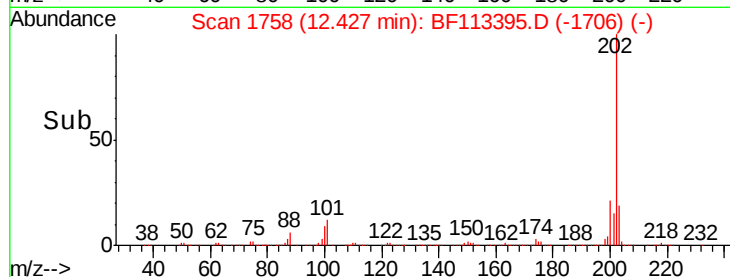
203 18.7 0.0 38.0



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: BF113395.D

Acq: 29 Mar 2019 2:46

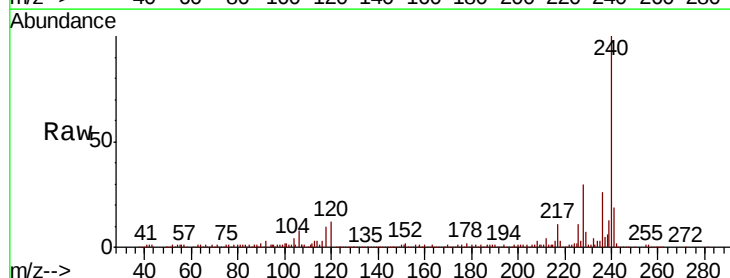
Tgt Ion:240 Resp: 452004

Ion Ratio Lower Upper

240 100

120 11.7 8.8 13.2

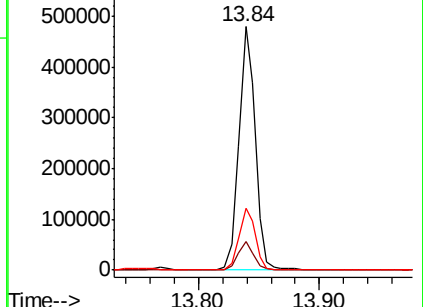
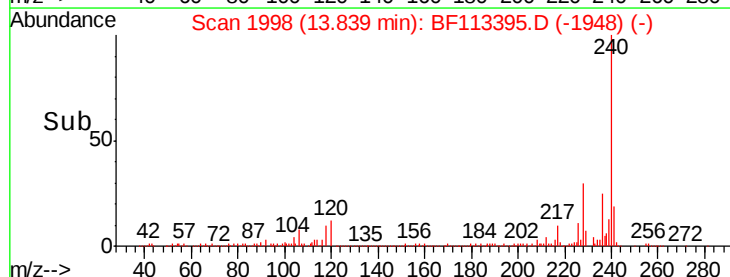
236 25.5 20.9 31.3

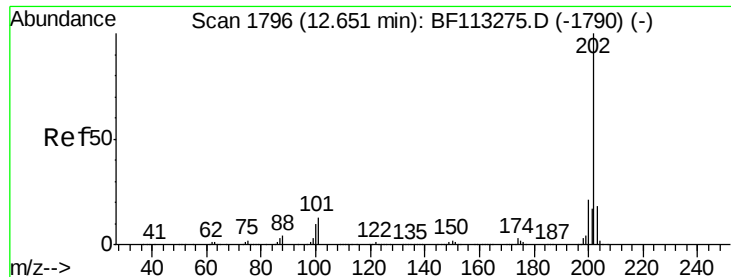


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 58.991 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.00 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

CS-13DL

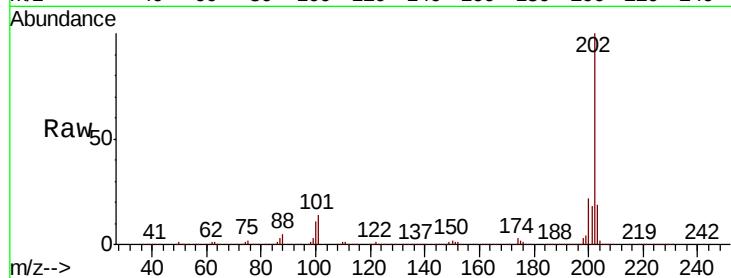
Tgt Ion:202 Resp: 1847726

Ion Ratio Lower Upper

202 100

200 21.5 16.8 25.2

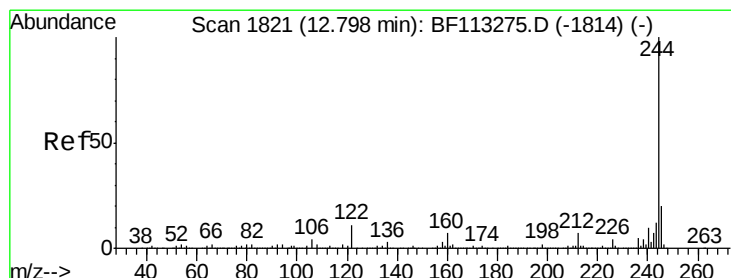
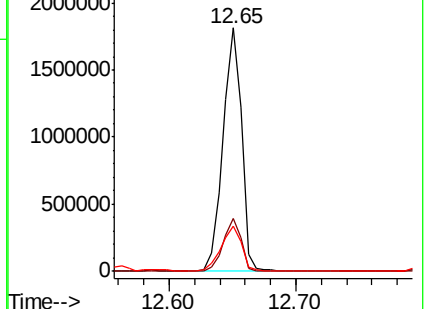
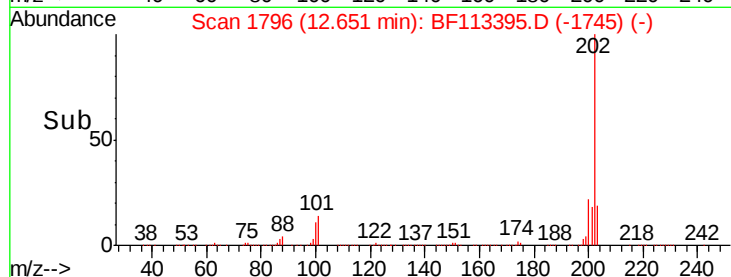
203 18.7 14.4 21.6



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: 41.351 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.01 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

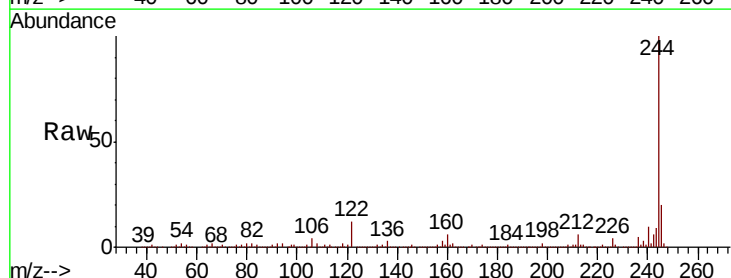
Tgt Ion:244 Resp: 847984

Ion Ratio Lower Upper

244 100

212 6.4 5.5 8.3

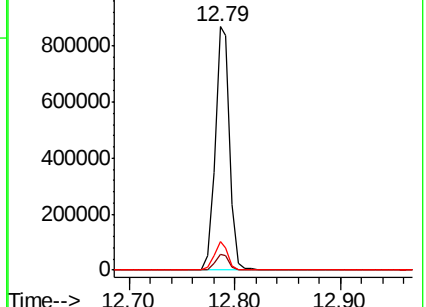
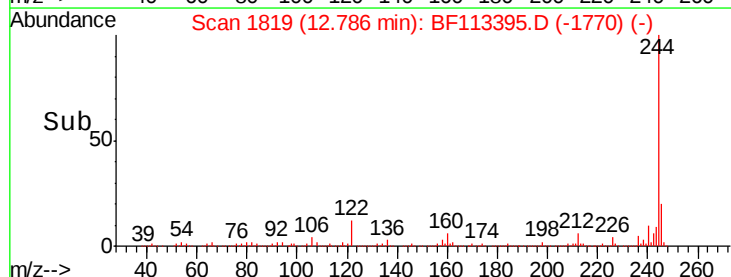
122 11.6 8.6 13.0

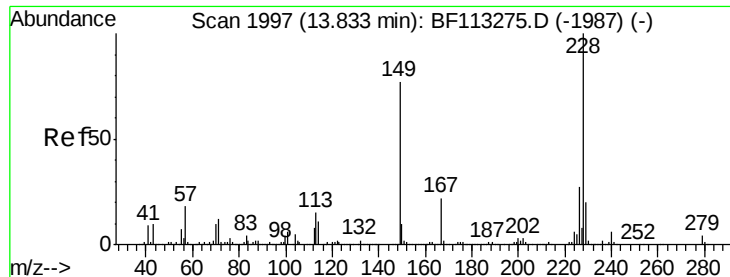


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 14.852 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.01 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

CS-13DL

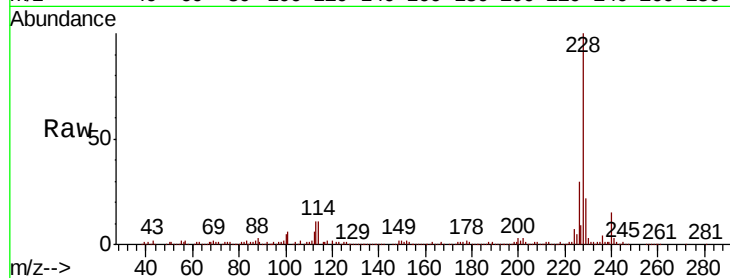
Tgt Ion:228 Resp: 384261

Ion Ratio Lower Upper

228 100

226 29.8 21.8 32.8

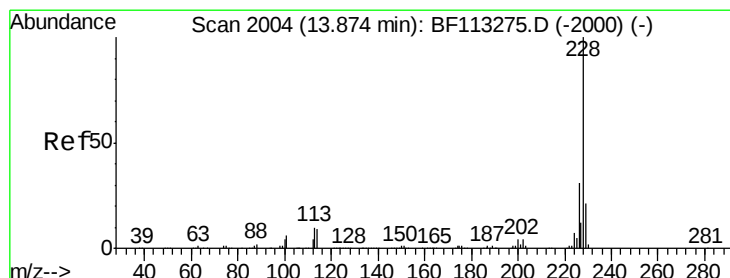
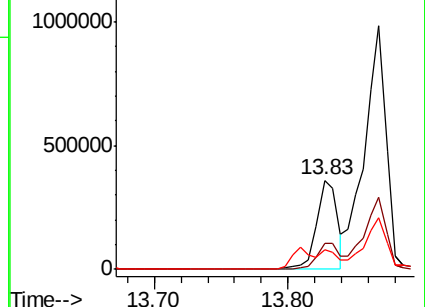
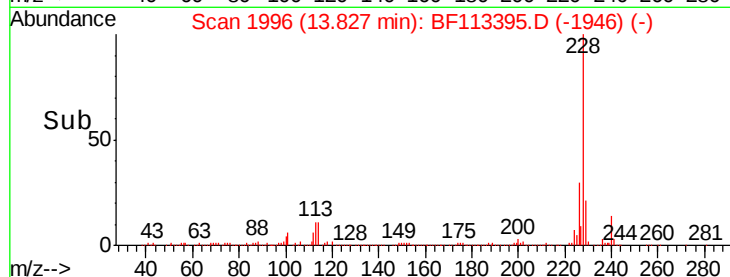
229 21.6 16.2 24.4



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: 42.126 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.01 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

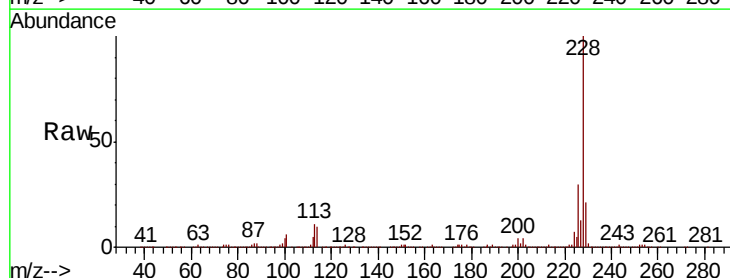
Tgt Ion:228 Resp: 1107083

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

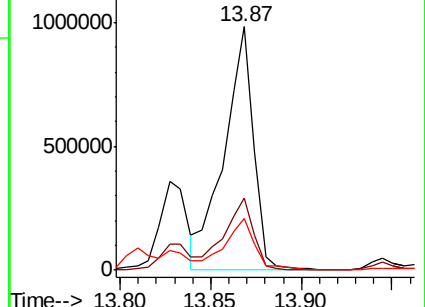
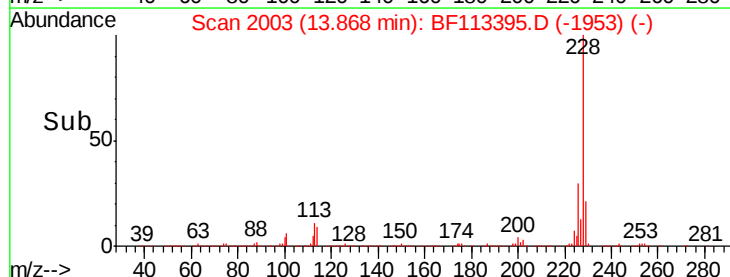
229 21.4 16.3 24.5

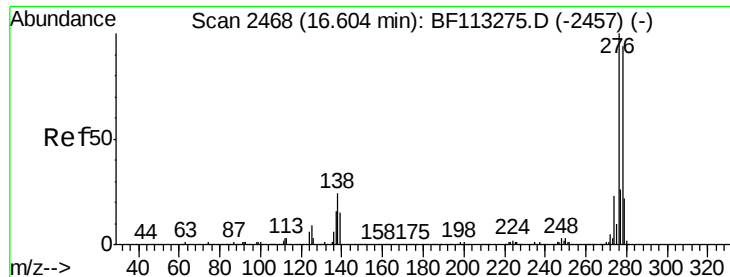


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

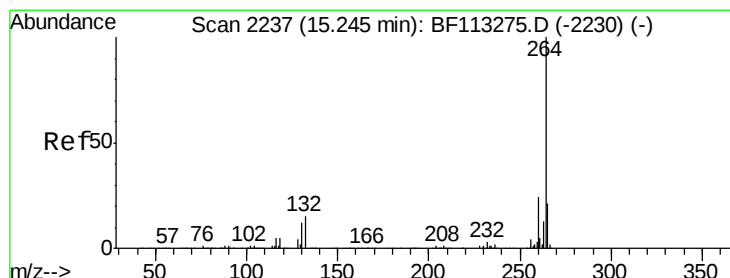
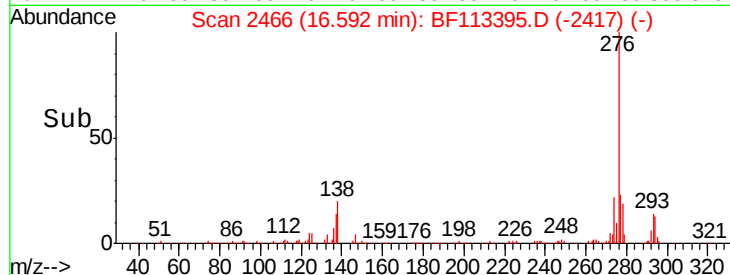
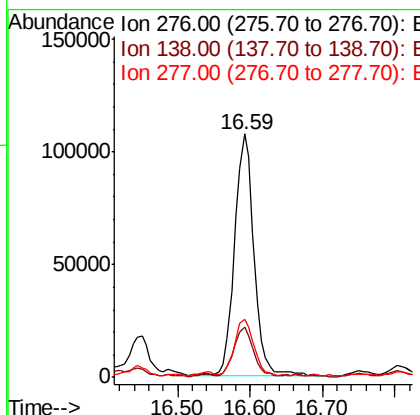
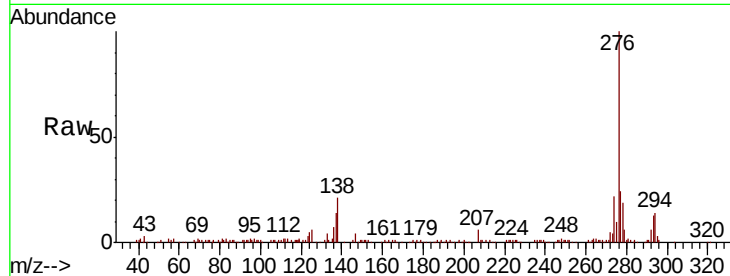




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 8.956 ng
 RT: 16.59 min Scan# 2466
 Delta R.T. -0.01 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

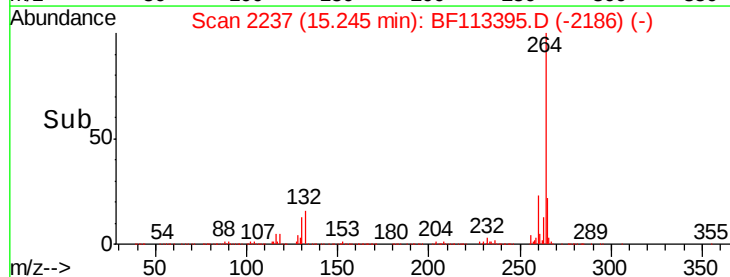
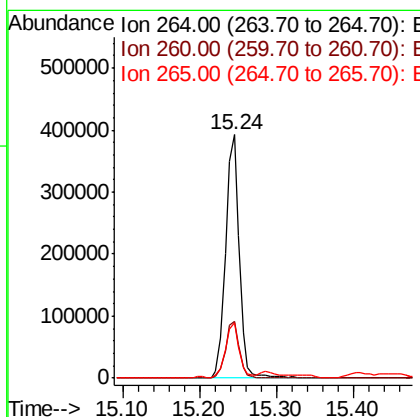
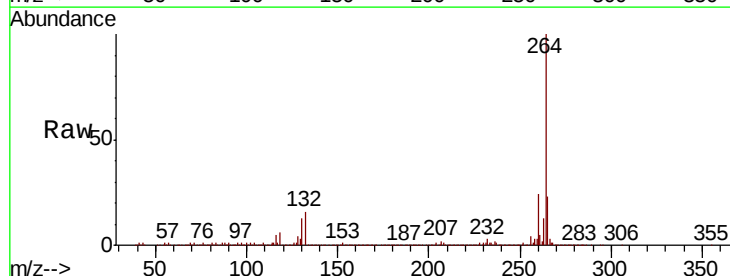
Instrument :
 BNA_F
 ClientSampleID :
 CS-13DL

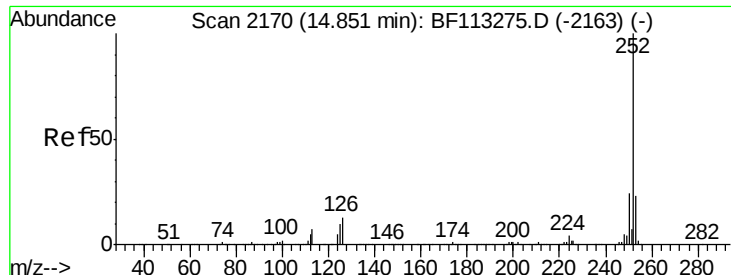
Tgt Ion: 276 Resp: 202000
 Ion Ratio Lower Upper
 276 100
 138 20.4 18.1 27.1
 277 22.6 20.2 30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. -0.00 min
 Lab File: BF113395.D
 Acq: 29 Mar 2019 2:46

Tgt Ion: 264 Resp: 488822
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.1 28.7
 265 22.6 17.1 25.7

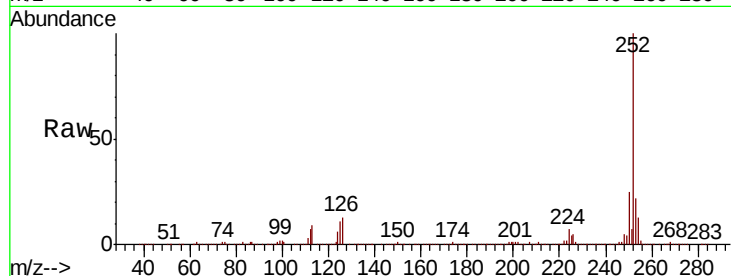




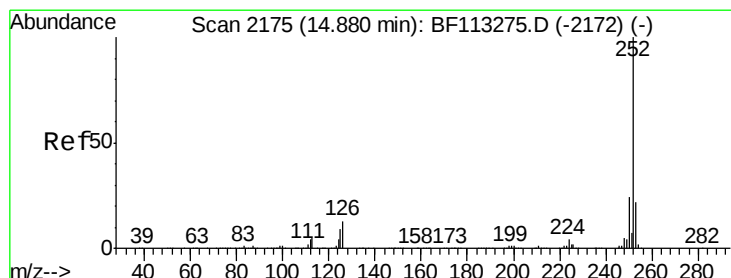
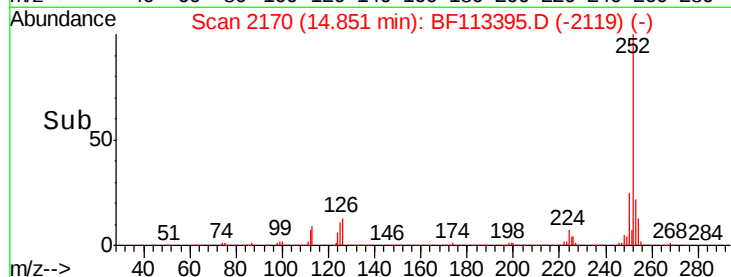
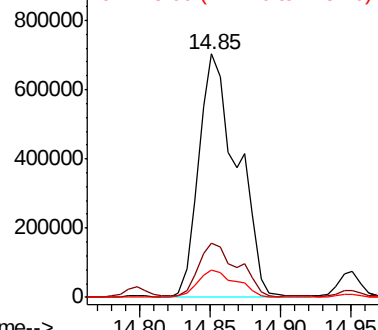
#88
Benzo(b)fluoranthene
Concen: 43.897 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.00 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Instrument :
BNA_F
ClientSampleId :
CS-13DL

Tgt Ion:252 Resp: 1332950
Ion Ratio Lower Upper
252 100
253 22.4 18.0 27.0
125 11.3 7.6 11.4

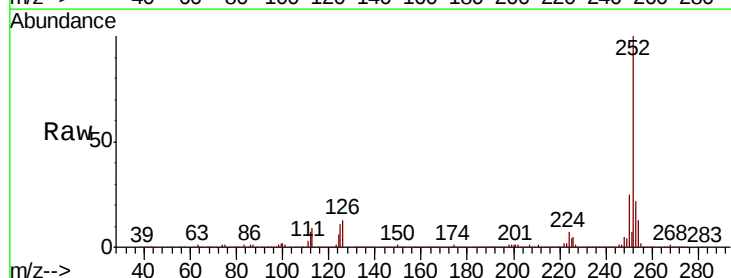


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

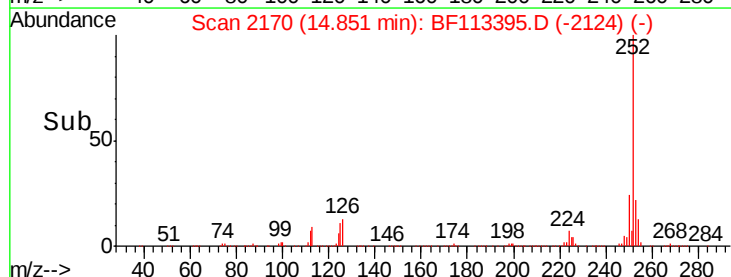
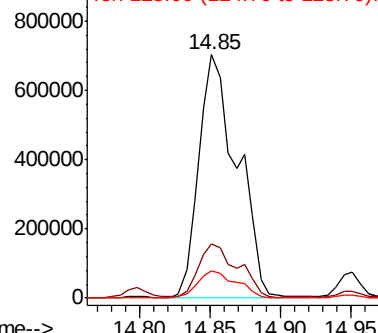


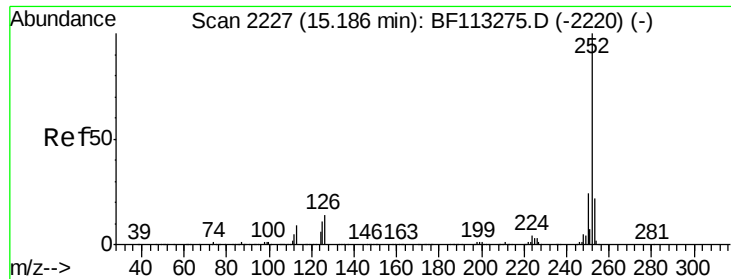
#89
Benzo(k)fluoranthene
Concen: 49.986 ng
RT: 14.85 min Scan# 2170
Delta R.T. -0.03 min
Lab File: BF113395.D
Acq: 29 Mar 2019 2:46

Tgt Ion:252 Resp: 1332950
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 11.3 7.3 10.9#



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





#90

Benzo(a)pyrene

Concen: 10.804 ng

RT: 15.19 min Scan# 2227

Delta R.T. -0.00 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

Instrument :

BNA_F

ClientSampleId :

CS-13DL

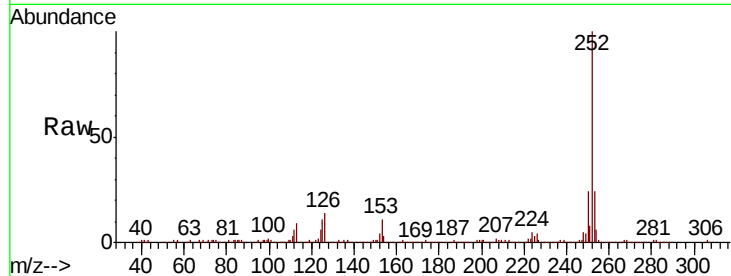
Tgt Ion:252 Resp: 290851

Ion Ratio Lower Upper

252 100

253 23.7 17.9 26.9

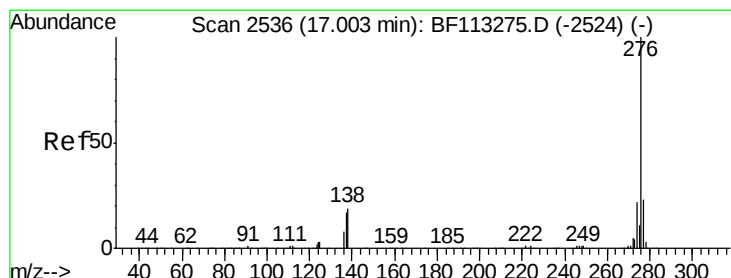
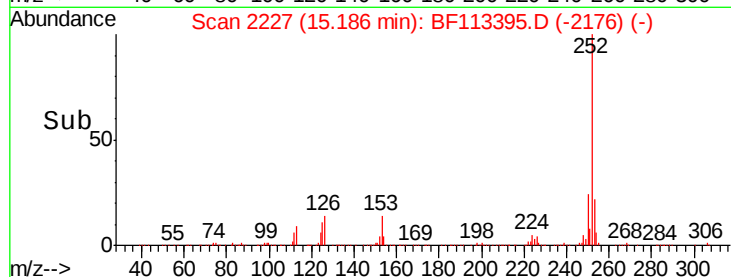
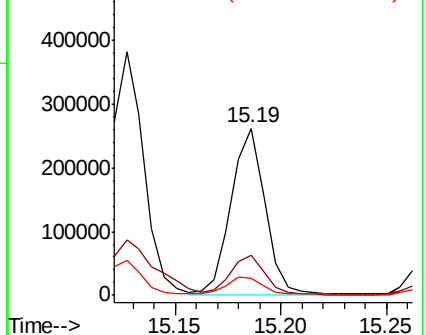
125 10.6 8.8 13.2



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: 6.638 ng

RT: 17.00 min Scan# 2535

Delta R.T. -0.01 min

Lab File: BF113395.D

Acq: 29 Mar 2019 2:46

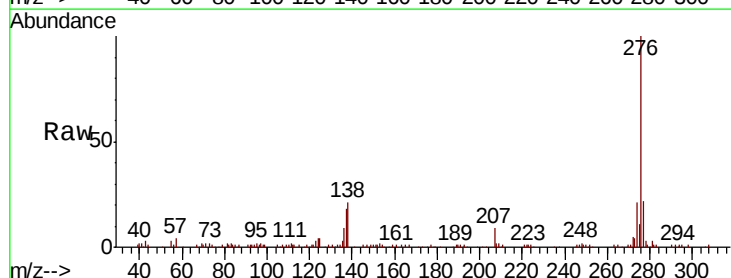
Tgt Ion:276 Resp: 155792

Ion Ratio Lower Upper

276 100

277 22.3 18.8 28.2

138 21.4 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

