

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF032719\
 Data File : BF113336.D
 Acq On : 27 Mar 2019 17:44
 Operator : JU/SJ
 Sample : K2086-06
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CS-16

Quant Time: Mar 28 01:08:40 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	173493	20.00	ng	0.00
21) Naphthalene-d8	7.98	136	658729	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	316837	20.00	ng	0.00
64) Phenanthrene-d10	11.21	188	609673	20.00	ng	0.00
76) Chrysene-d12	13.84	240	411402	20.00	ng	0.00
87) Perylene-d12	15.24	264	436950	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	926854	87.35	ng	0.00
7) Phenol-d6	6.35	99	1213378	90.40	ng	0.00
23) Nitrobenzene-d5	7.26	82	734806	66.21	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	323991	82.78	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1380538	63.92	ng	0.00
79) Terphenyl-d14	12.79	244	1292564	69.25	ng	0.00

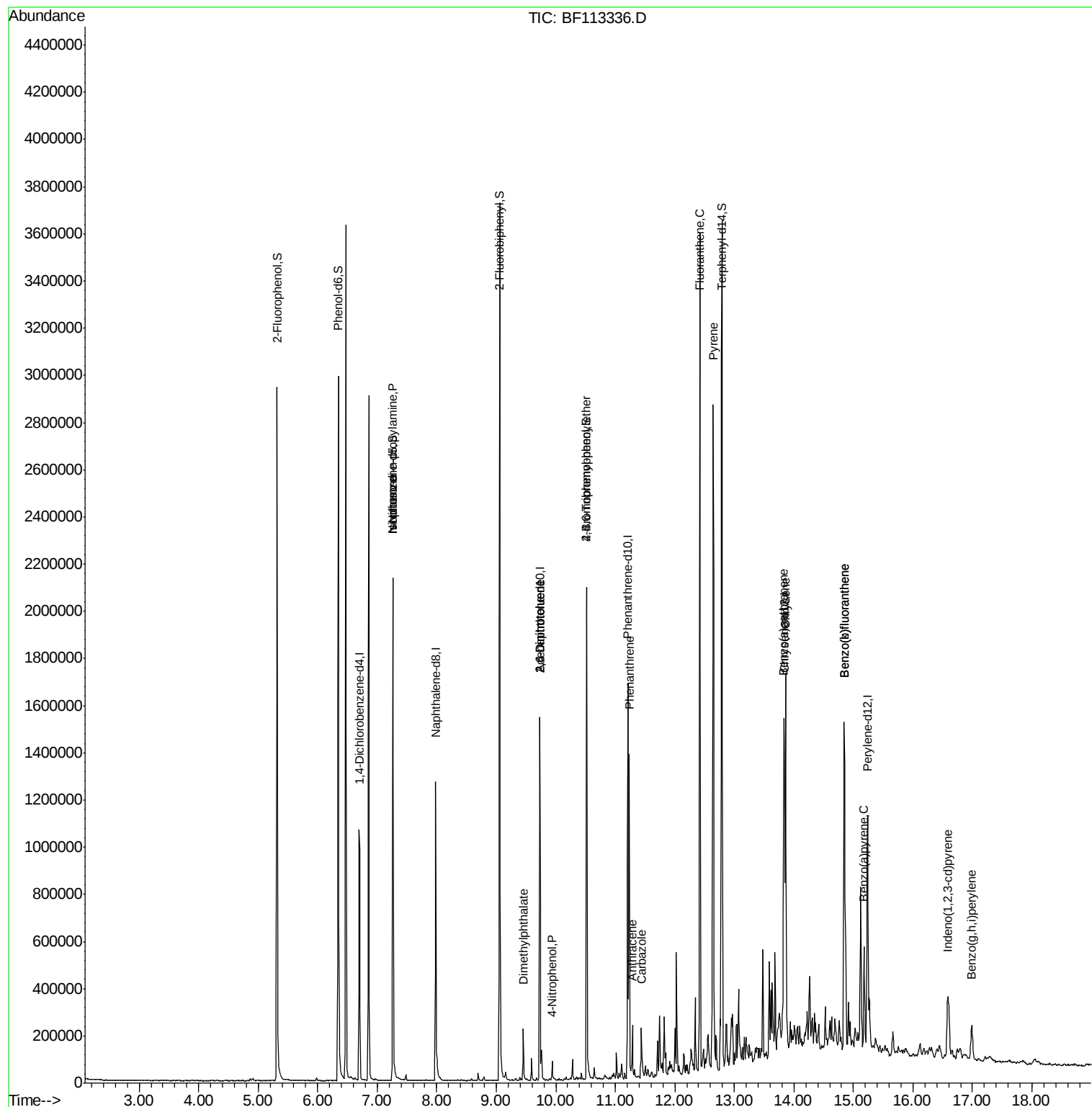
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.26	70	94202	11.173	ng	# 75
25) Isophorone	7.26	82	728763	33.883	ng	# 64
50) Dimethylphthalate	9.45	163	98620	4.200	ng	99
51) 2,6-Dinitrotoluene	9.73	165	41745	7.881	ng	# 26
56) 4-Nitrophenol	9.94	139	12822	3.011	ng	# 7
57) 2,4-Dinitrotoluene	9.73	165	41746	6.197	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	18302	2.754	ng	# 1
71) Phenanthrene	11.23	178	493702	16.306	ng	99
72) Anthracene	11.29	178	99671	3.241	ng	97
73) Carbazole	11.44	167	94102	3.207	ng	97
75) Fluoranthene	12.42	202	1472046	43.008	ng	99
78) Pyrene	12.64	202	1212574	42.533	ng	100
81) Benzo(a)anthracene	13.83	228	270559	11.489	ng	95
83) Chrysene	13.86	228	657561	27.490	ng	98
86) Indeno(1,2,3-cd)pyrene	16.59	276	153413	7.473	ng	97
88) Benzo(b)fluoranthene	14.84	252	936487	34.502	ng	98
89) Benzo(k)fluoranthene	14.84	252	936487	39.288	ng	# 97
90) Benzo(a)pyrene	15.18	252	188365	7.828	ng	97
92) Benzo(g,h,i)perylene	16.99	276	117796	5.615	ng	98

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

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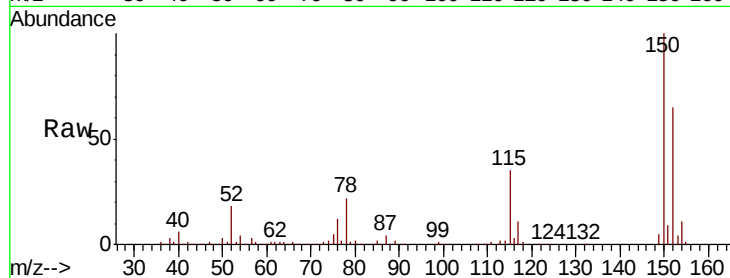


#1

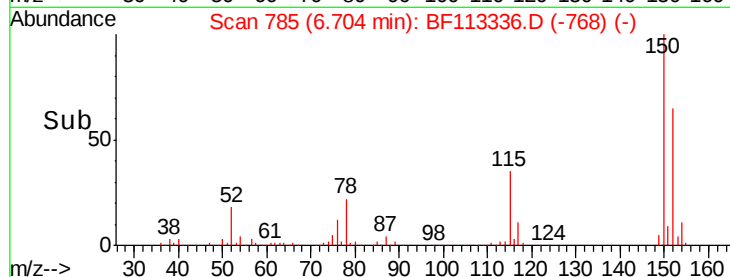
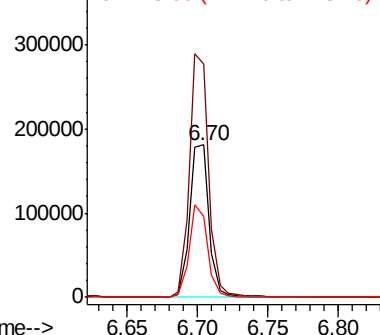
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.00 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:152 Resp: 173493
Ion Ratio Lower Upper
152 100
150 153.3 124.7 187.1
115 53.4 46.0 69.0



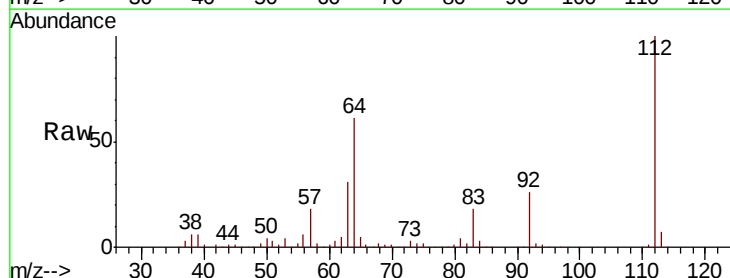
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



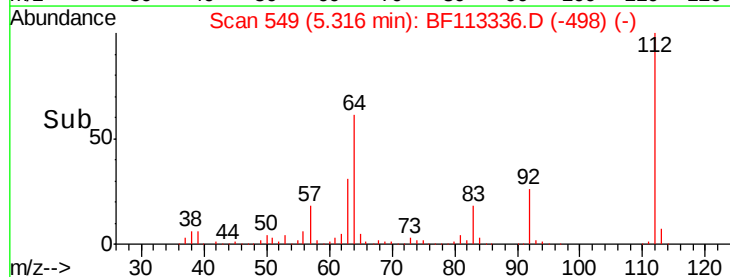
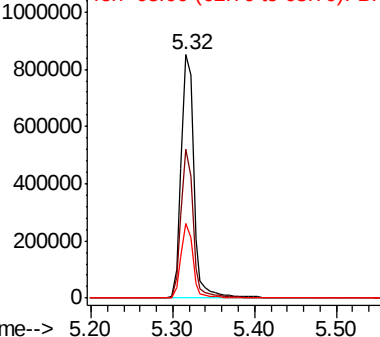
#5

2-Fluorophenol
Concen: 87.353 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.00 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:112 Resp: 926854
Ion Ratio Lower Upper
112 100
64 61.1 49.2 73.8
63 30.8 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: 90.397 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

Instrument :

BNA_F

ClientSampled :

CS-16

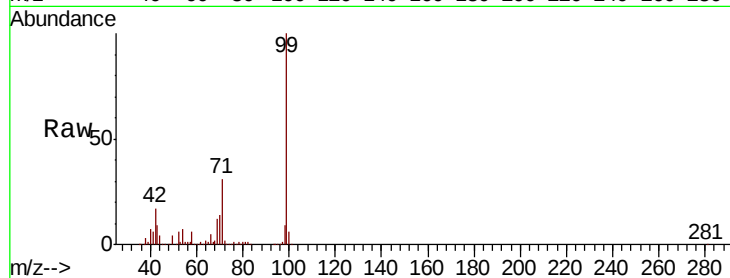
Tgt Ion: 99 Resp: 1213378

Ion Ratio Lower Upper

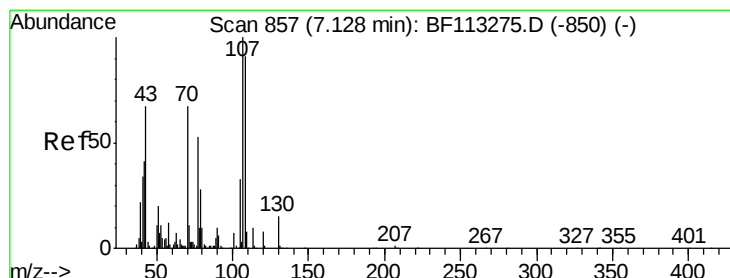
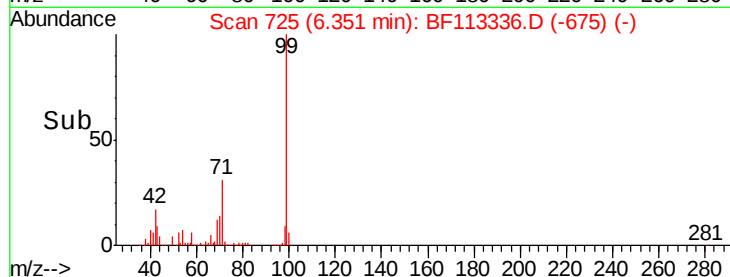
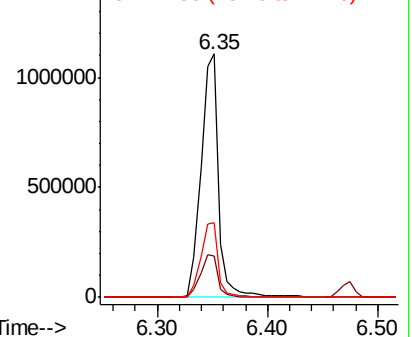
99 100

42 17.0 14.8 22.2

71 30.5 24.9 37.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000 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: 11.173 ng

RT: 7.26 min Scan# 880

Delta R.T. 0.14 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

Tgt Ion: 70 Resp: 94202

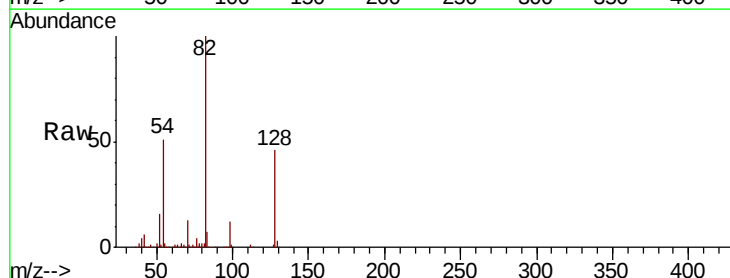
Ion Ratio Lower Upper

70 100

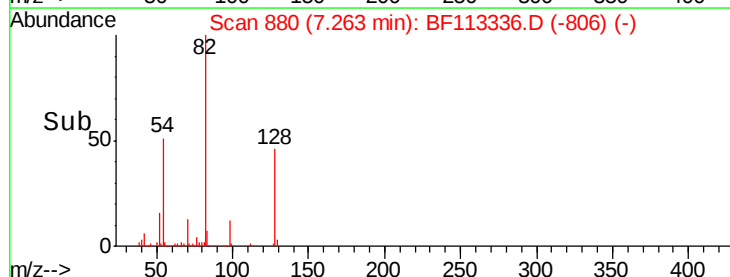
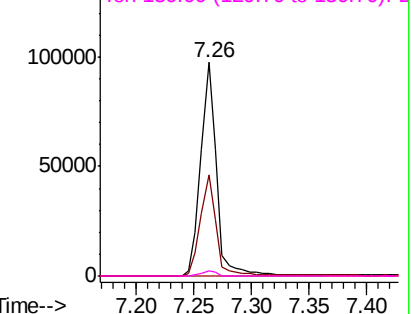
42 47.1 48.4 72.6#

101 0.0 7.8 11.8#

130 2.5 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BF1
150000 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: BF113336.D

Acq: 27 Mar 2019 17:44

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 658729

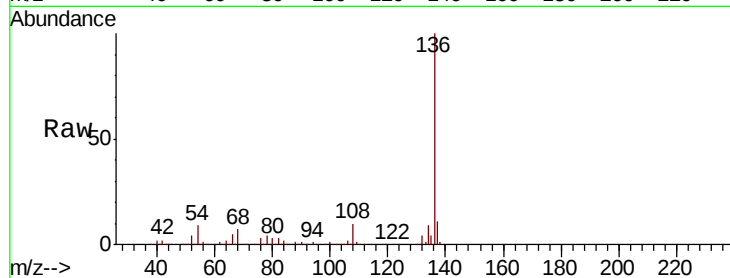
Ion Ratio Lower Upper

136 100

137 11.5 8.9 13.3

54 8.6 7.0 10.6

68 6.5 4.8 7.2

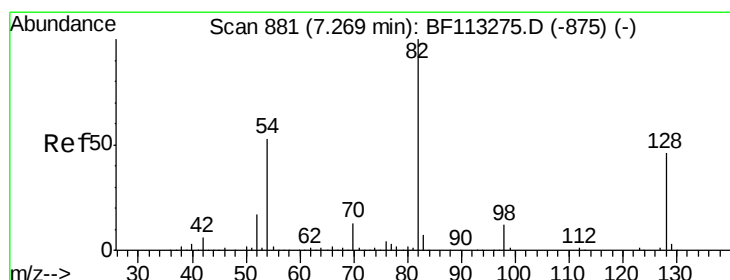
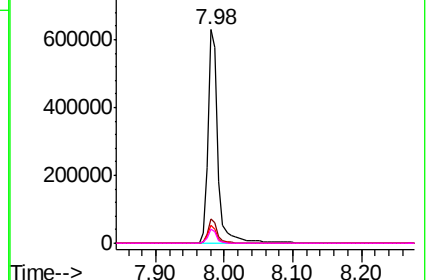
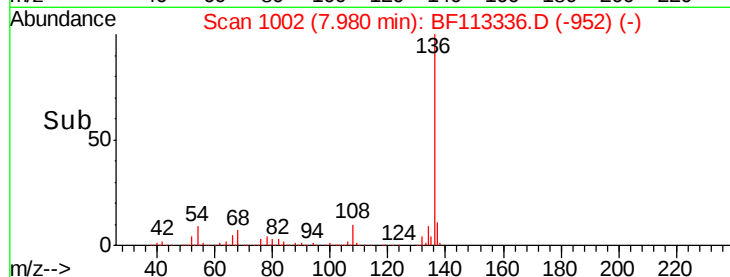


Abundance Ion 136.00 (135.70 to 136.70): E

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: 66.209 ng

RT: 7.26 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

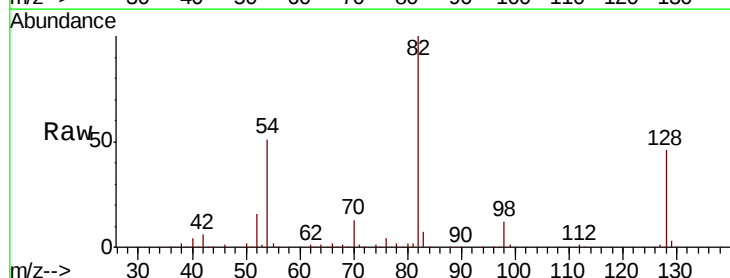
Tgt Ion: 82 Resp: 734806

Ion Ratio Lower Upper

82 100

128 46.2 36.5 54.7

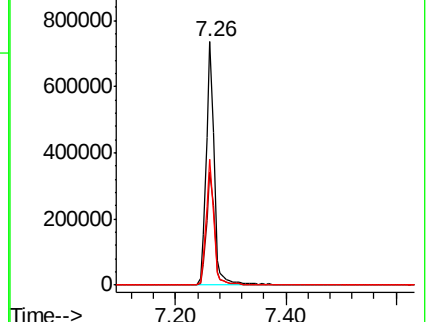
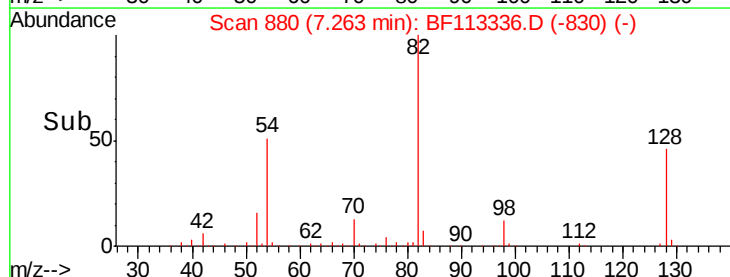
54 51.4 42.2 63.2

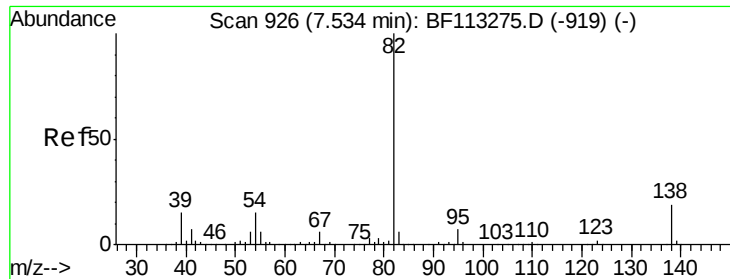


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

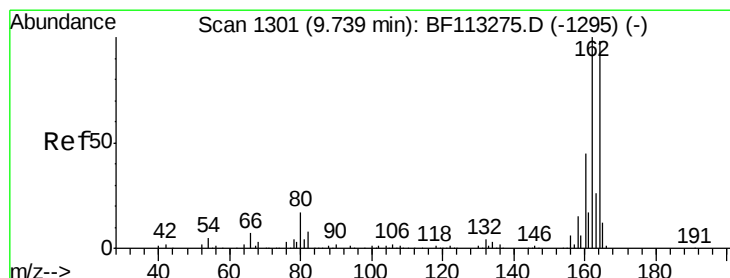
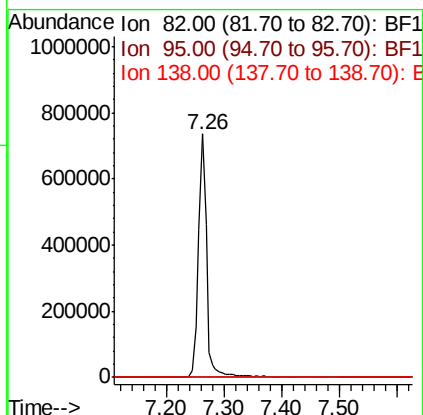
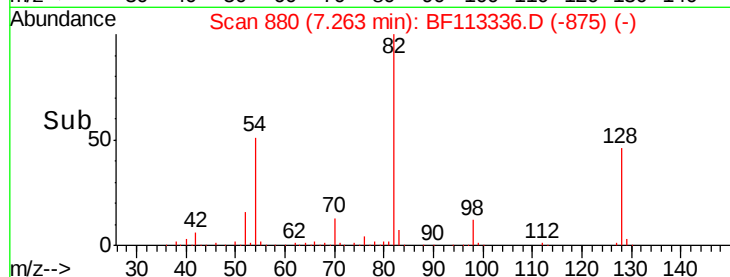
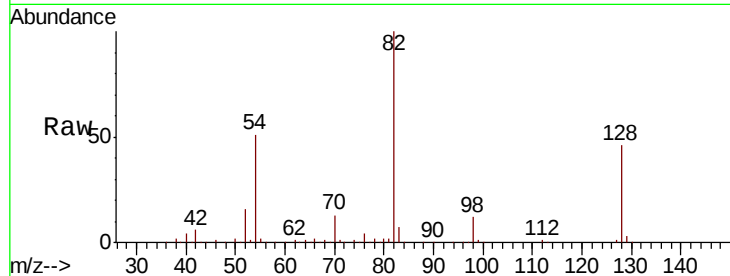




#25
Isophorone
Concen: 33.883 ng
RT: 7.26 min Scan# 880
Delta R.T. -0.27 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

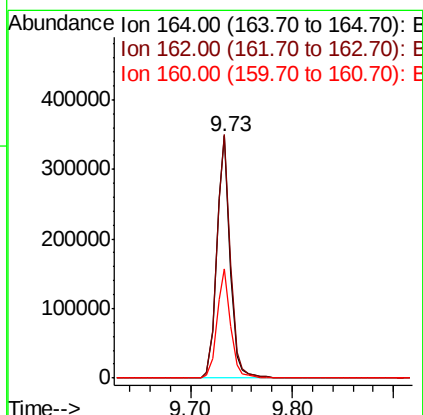
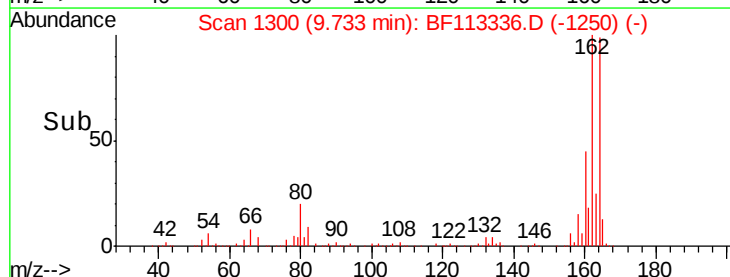
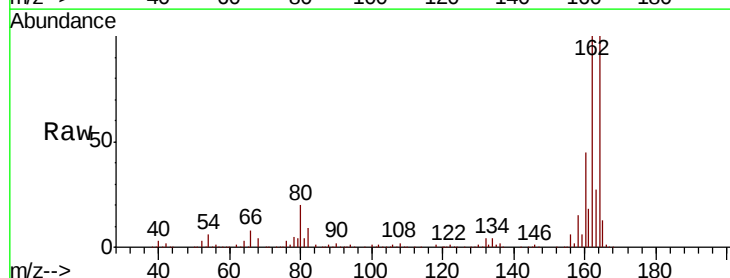
Instrument :
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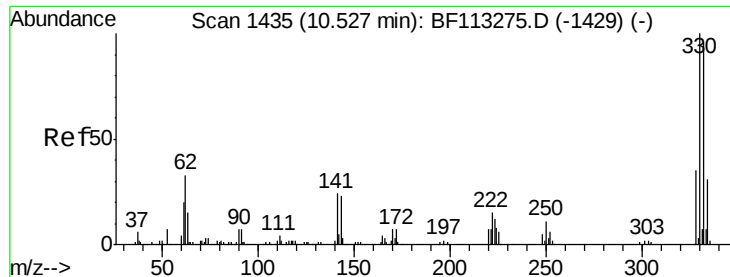
Tgt Ion: 82 Resp: 728763
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.2 22.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion: 164 Resp: 316837
Ion Ratio Lower Upper
164 100
162 100.5 81.8 122.6
160 44.9 36.4 54.6

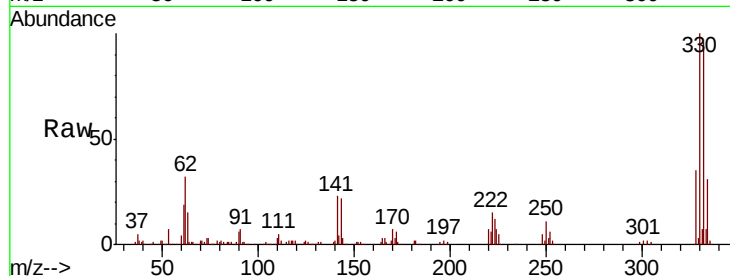




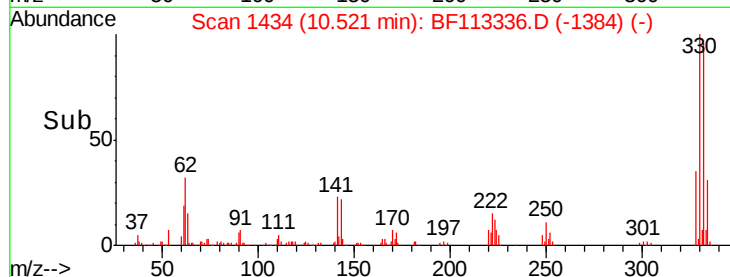
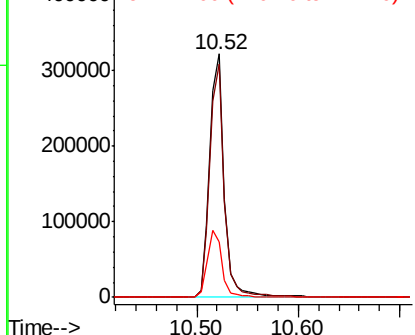
#42
 2,4,6-Tribromophenol
 Concen: 82.785 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

Instrument :
 BNA_F
 ClientSampleId :
 CS-16

Tgt Ion:330 Resp: 323991
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.8 116.6
 141 27.8 22.7 34.1

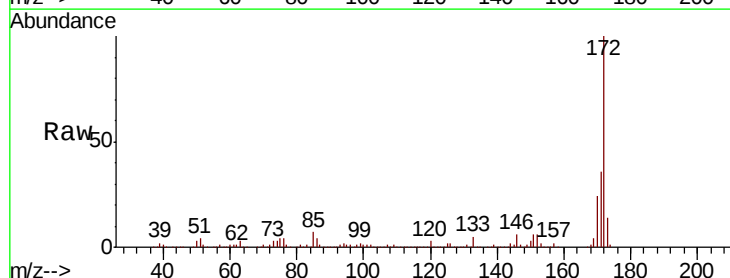


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

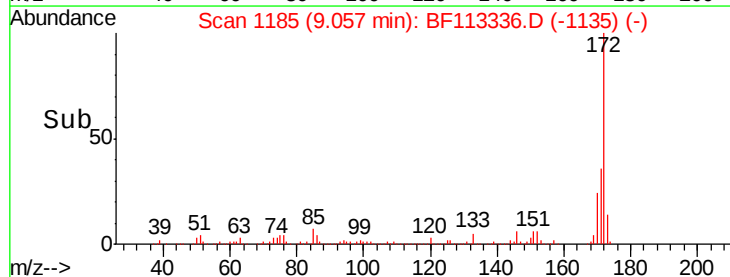
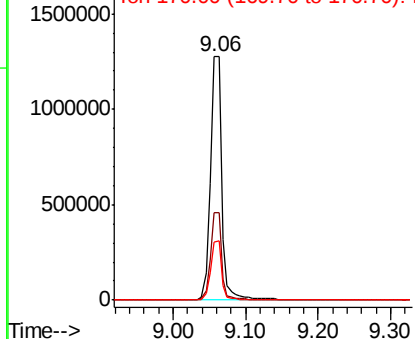


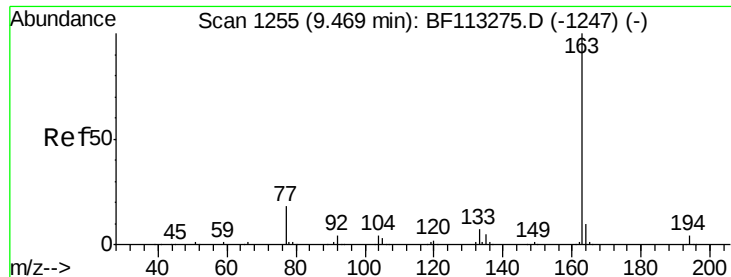
#45
 2-Fluorobiphenyl
 Concen: 63.920 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

Tgt Ion:172 Resp: 1380538
 Ion Ratio Lower Upper
 172 100
 171 35.9 29.0 43.6
 170 24.0 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

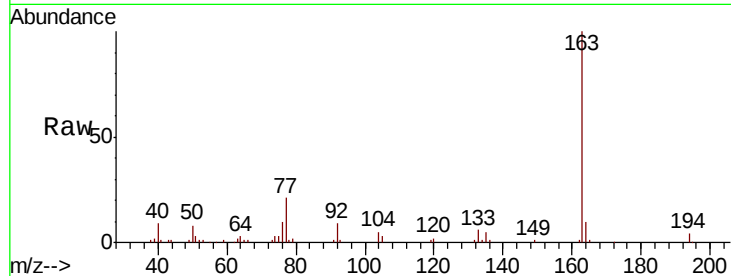




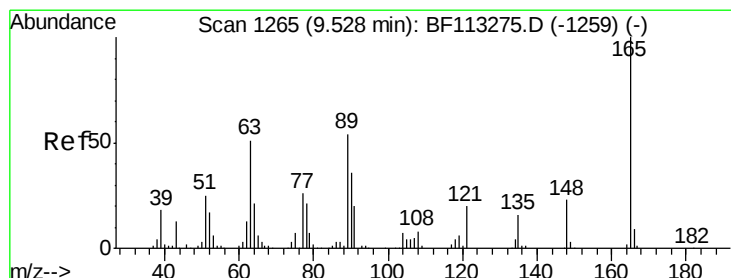
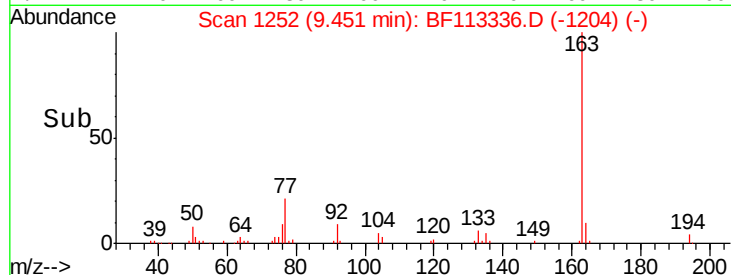
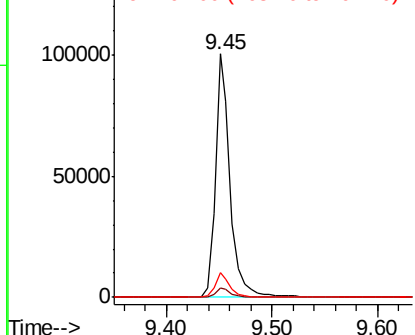
#50
 Dimethylphthalate
 Concen: 4.200 ng
 RT: 9.45 min Scan# 1252
 Delta R.T. -0.02 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

Instrument :
 BNA_F
 ClientSampled :
 CS-16

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.4	8.1	12.1

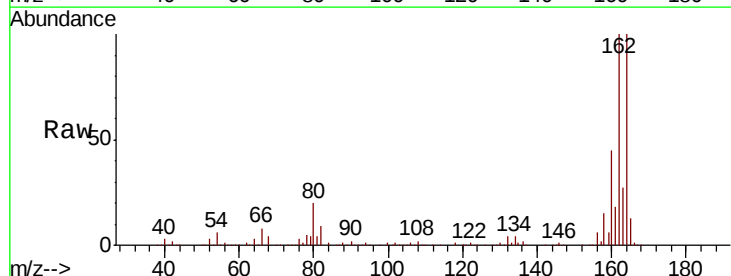


Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

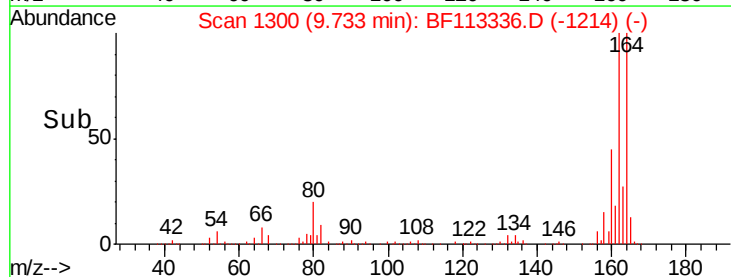
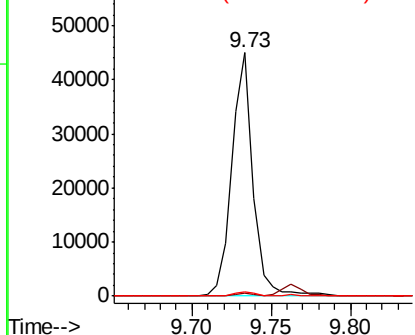


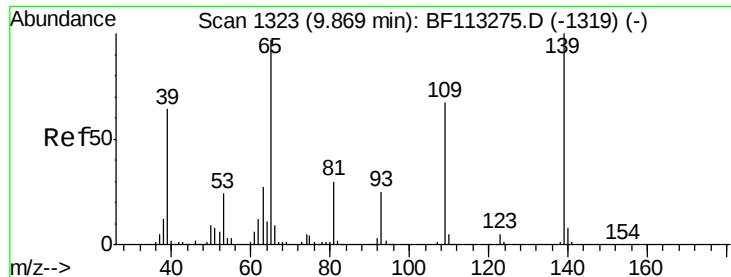
#51
 2,6-Dinitrotoluene
 Concen: 7.881 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.21 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

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

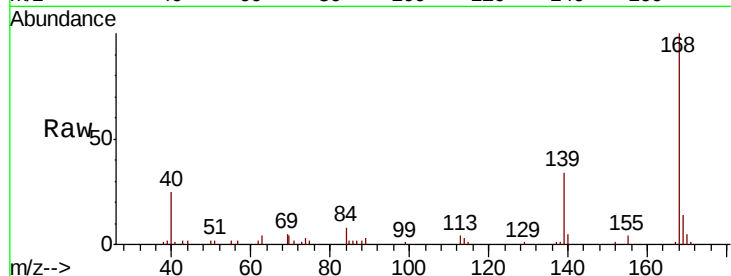




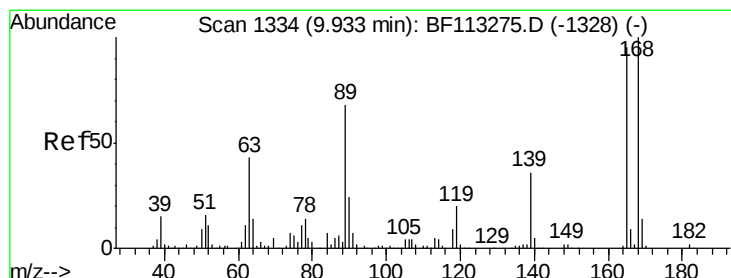
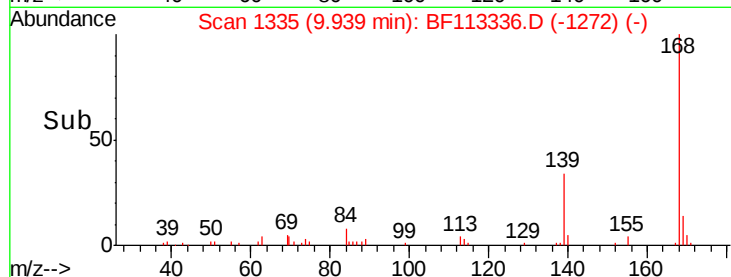
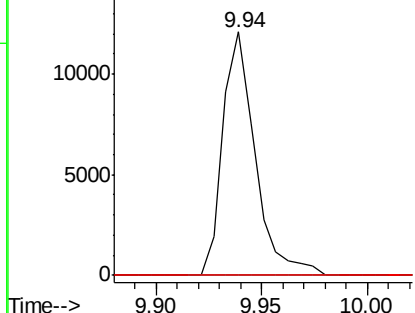
#56
4-Nitrophenol
Concen: 3.011 ng
RT: 9.94 min Scan# 1335
Delta R.T. 0.07 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:139 Resp: 12822
Ion Ratio Lower Upper
139 100
109 0.0 46.9 86.9#
65 0.0 77.2 117.2#

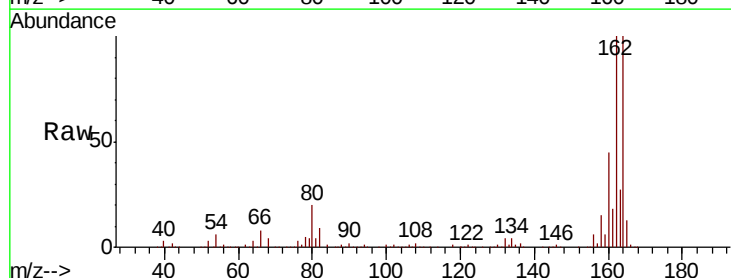


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

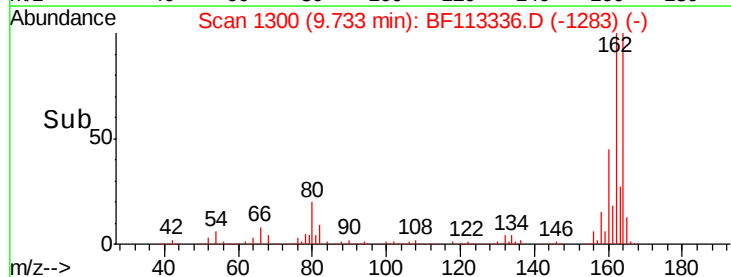
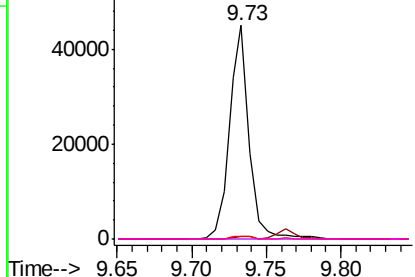


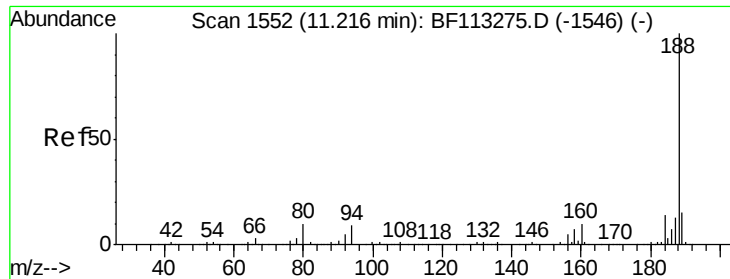
#57
2,4-Dinitrotoluene
Concen: 6.197 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:165 Resp: 41746
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

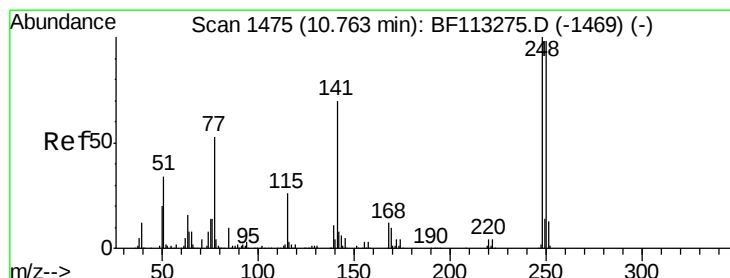
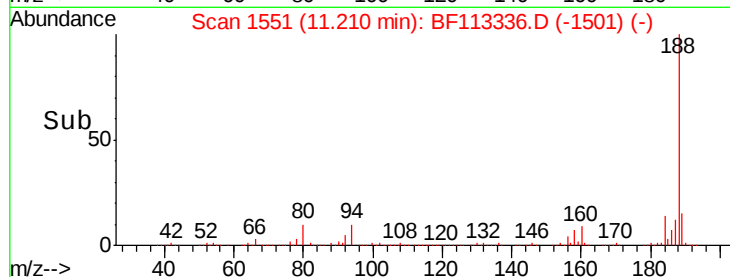
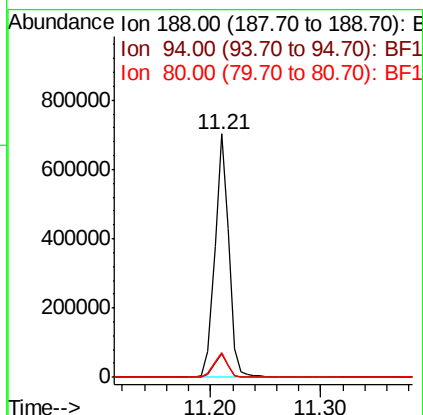
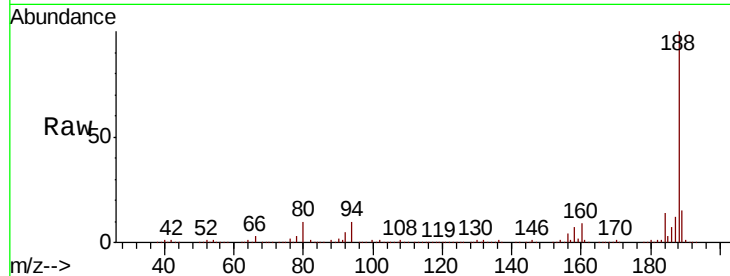




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.21 min Scan# 1551
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

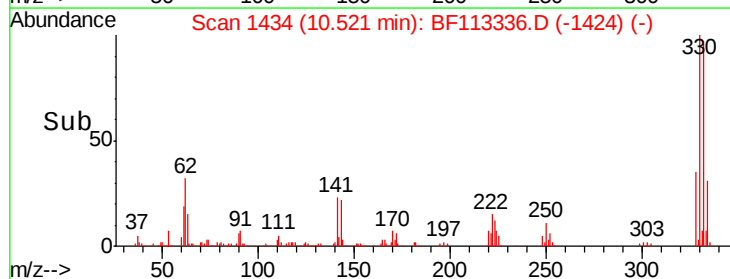
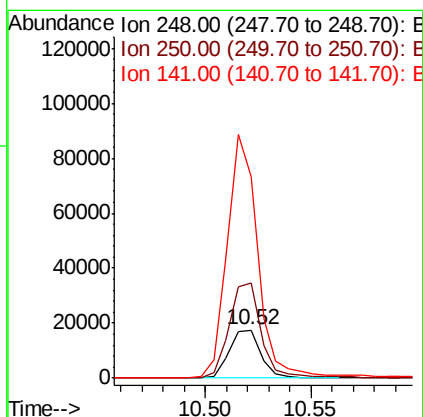
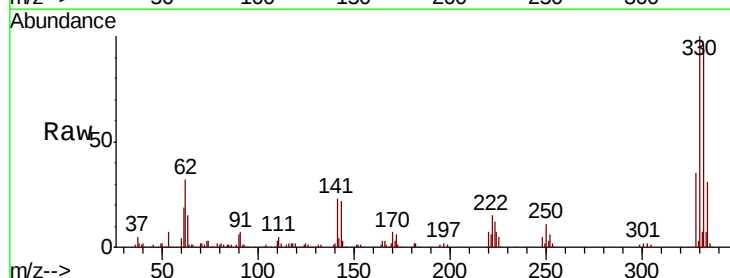
Instrument :
BNA_F
ClientSampleId :
CS-16

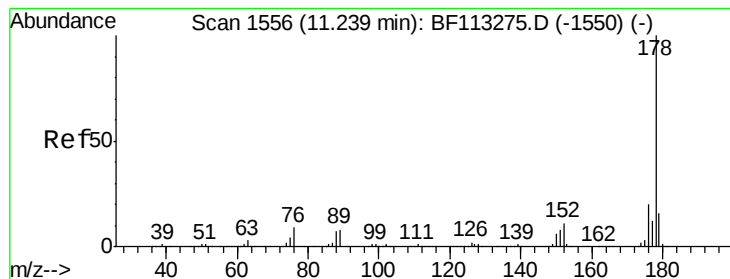
Tgt Ion:188 Resp: 609673
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.6
80 10.1 7.7 11.5



#67
4-Bromophenyl-phenylether
Concen: 2.754 ng
RT: 10.52 min Scan# 1434
Delta R.T. -0.24 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:248 Resp: 18302
Ion Ratio Lower Upper
248 100
250 197.6 78.3 117.5#
141 417.8 56.2 84.4#





#71

Phenanthrene

Concen: 16.306 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

Instrument :

BNA_F

ClientSampleId :

CS-16

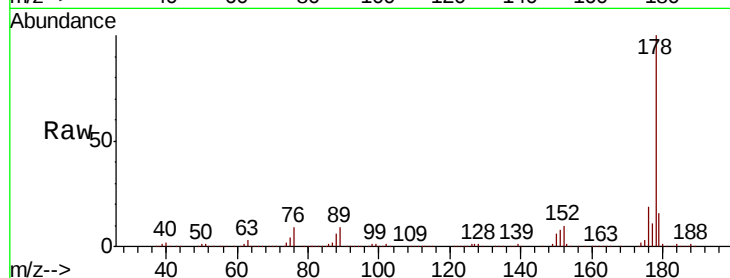
Tgt Ion:178 Resp: 493702

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.2

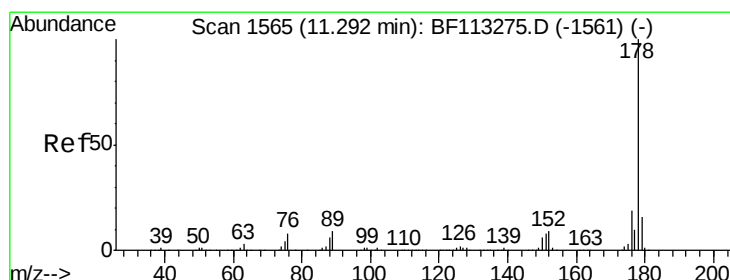
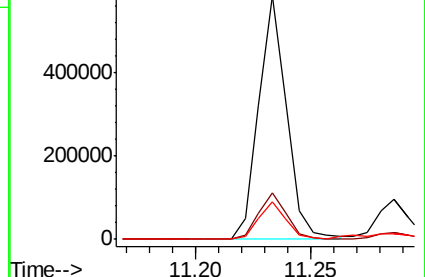
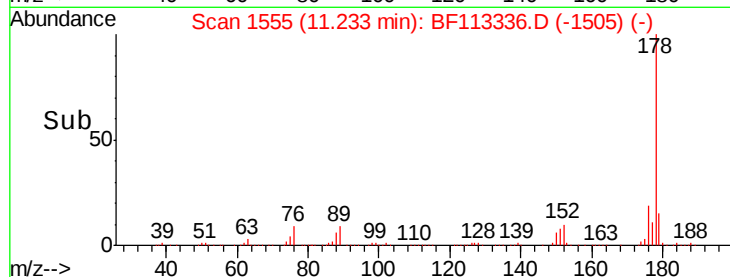
179 15.5 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 3.241 ng

RT: 11.29 min Scan# 1564

Delta R.T. -0.01 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

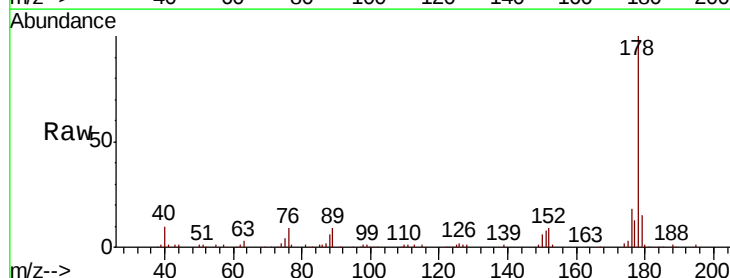
Tgt Ion:178 Resp: 99671

Ion Ratio Lower Upper

178 100

176 18.2 15.4 23.2

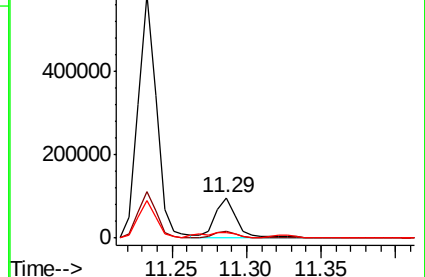
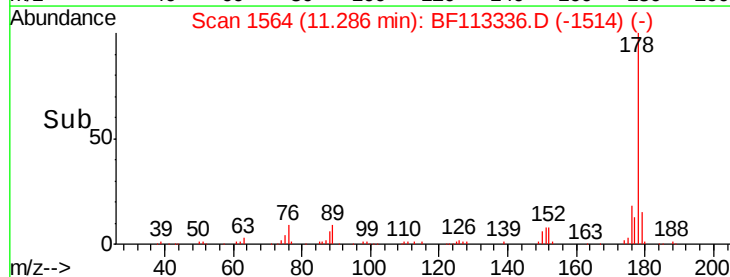
179 14.7 12.8 19.2

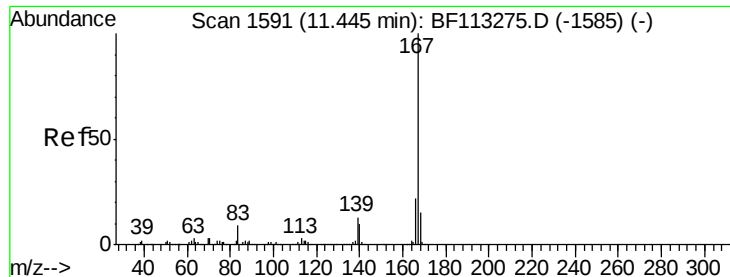


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

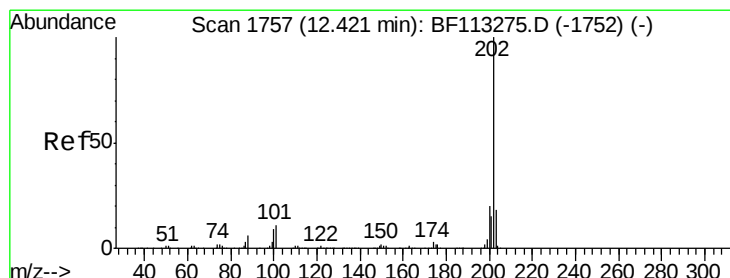
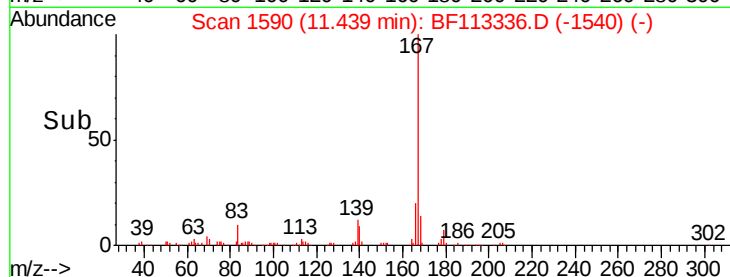
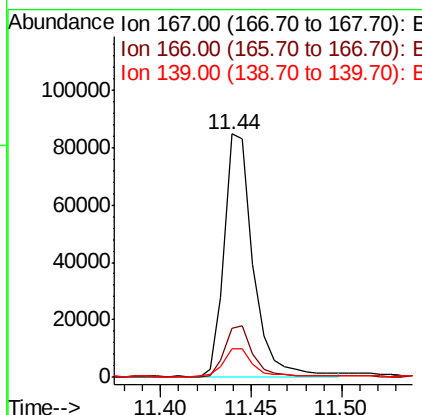
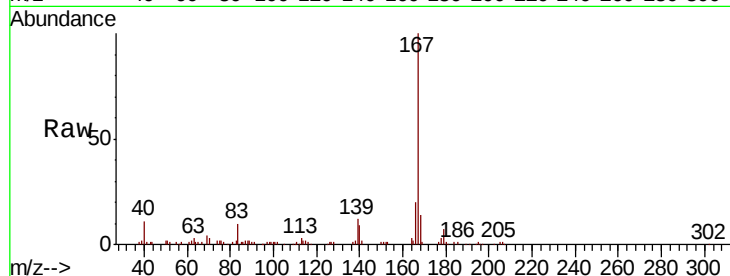




#73
 Carbazole
 Concen: 3.207 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. -0.01 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

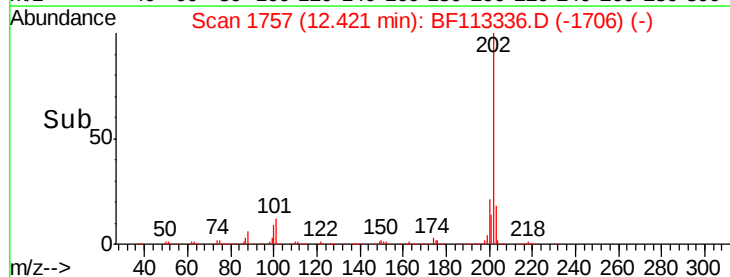
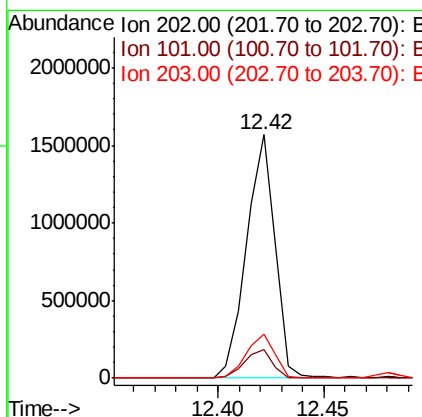
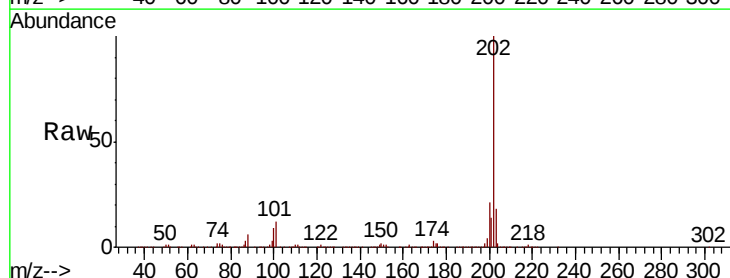
Instrument :
 BNA_F
 ClientSampleId :
 CS-16

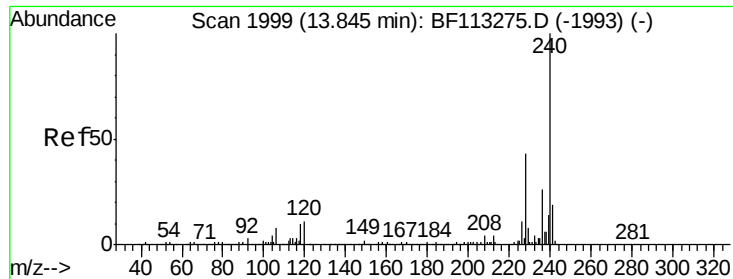
Tgt Ion:167 Resp: 94102
 Ion Ratio Lower Upper
 167 100
 166 20.3 17.4 26.0
 139 11.8 10.4 15.6



#75
 Fluoranthene
 Concen: 43.008 ng
 RT: 12.42 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

Tgt Ion:202 Resp: 1472046
 Ion Ratio Lower Upper
 202 100
 101 11.6 0.0 31.4
 203 18.3 0.0 38.0

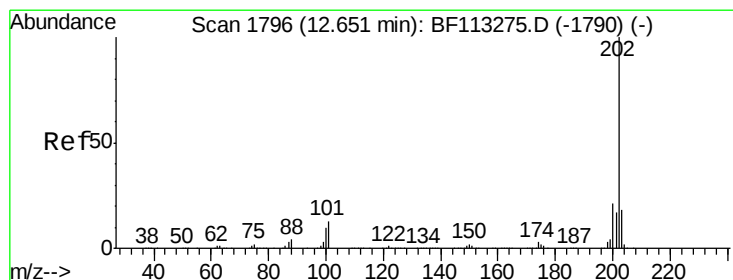
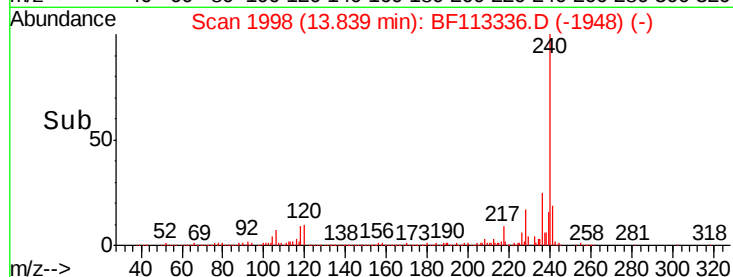
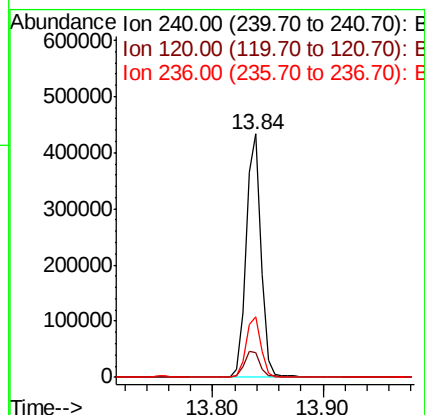
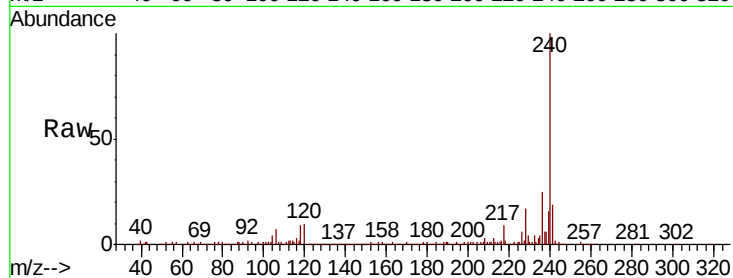




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.84 min Scan# 1998
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

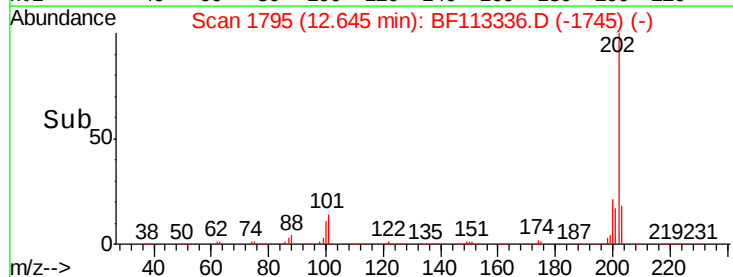
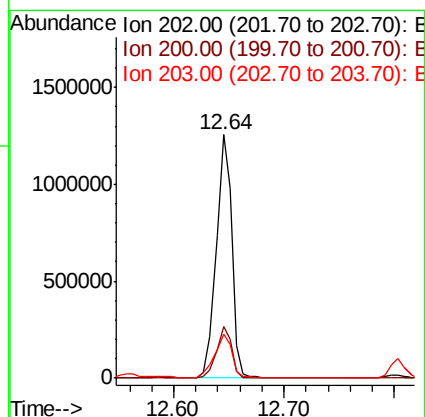
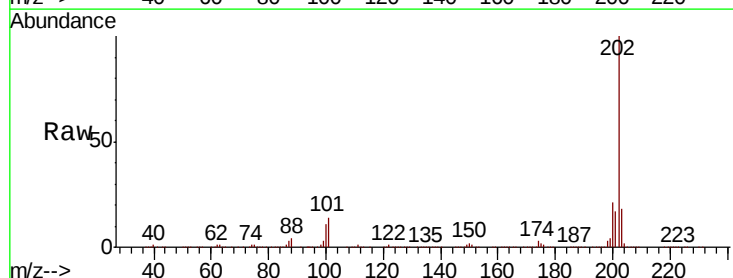
Instrument :
BNA_F
ClientSampleId :
CS-16

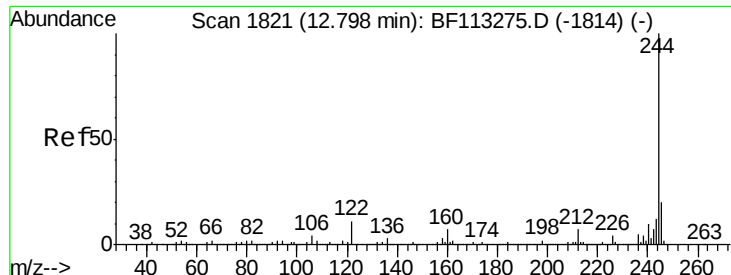
Tgt Ion:240 Resp: 411402
Ion Ratio Lower Upper
240 100
120 10.4 8.8 13.2
236 25.1 20.9 31.3



#78
Pyrene
Concen: 42.533 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:202 Resp: 1212574
Ion Ratio Lower Upper
202 100
200 21.0 16.8 25.2
203 18.1 14.4 21.6

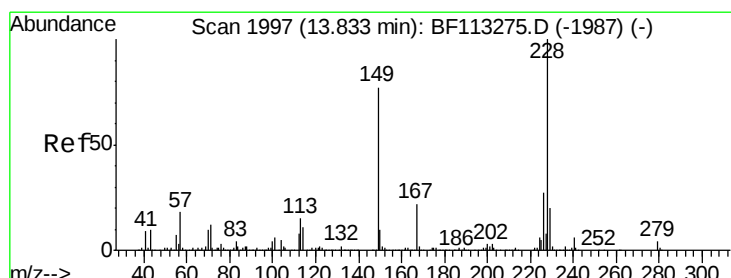
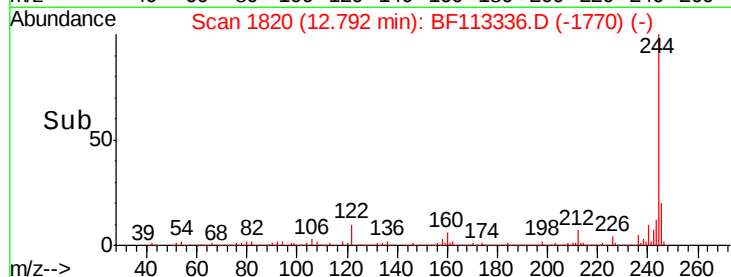
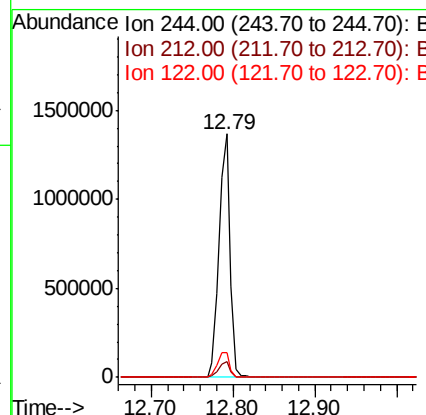
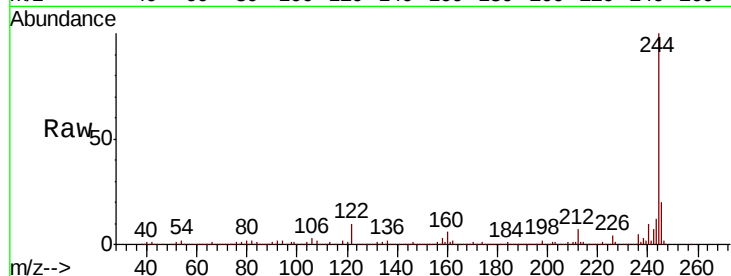




#79
 Terphenyl-d14
 Concen: 69.252 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

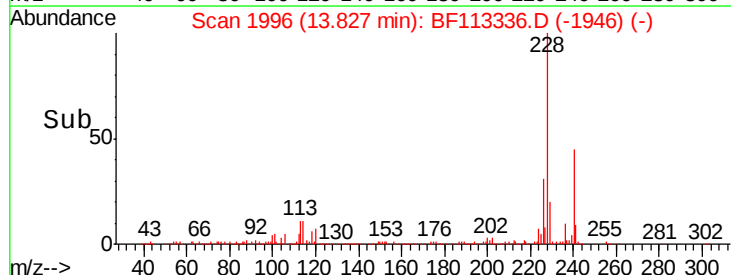
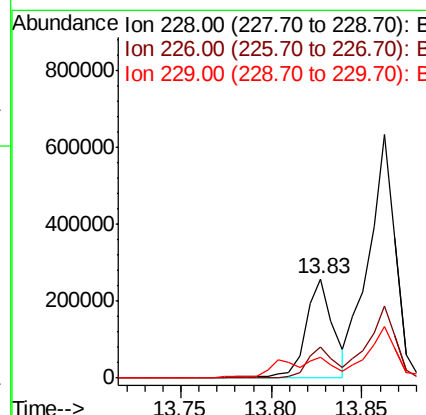
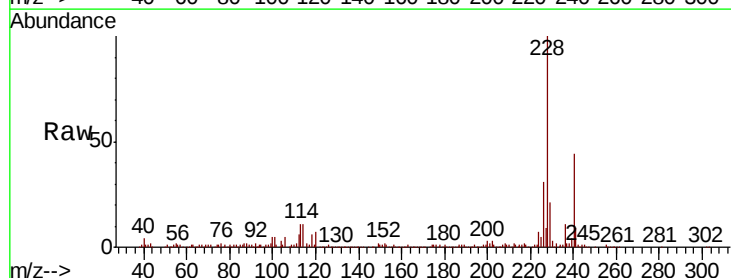
Instrument :
 BNA_F
 ClientSampleId :
 CS-16

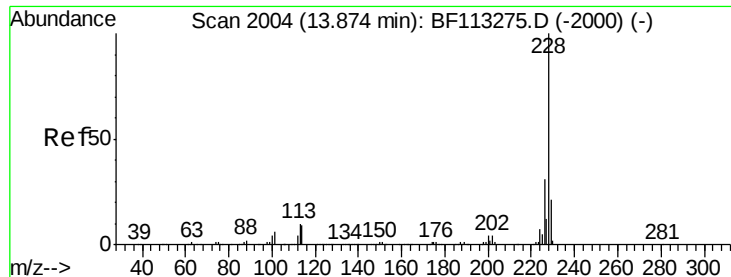
Tgt Ion:244 Resp: 1292564
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.5 8.3
 122 10.3 8.6 13.0



#81
 Benzo(a)anthracene
 Concen: 11.489 ng
 RT: 13.83 min Scan# 1996
 Delta R.T. -0.01 min
 Lab File: BF113336.D
 Acq: 27 Mar 2019 17:44

Tgt Ion:228 Resp: 270559
 Ion Ratio Lower Upper
 228 100
 226 31.1 21.8 32.8
 229 20.7 16.2 24.4





#83

Chrysene

Concen: 27.490 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

Instrument :

BNA_F

ClientSampleId :

CS-16

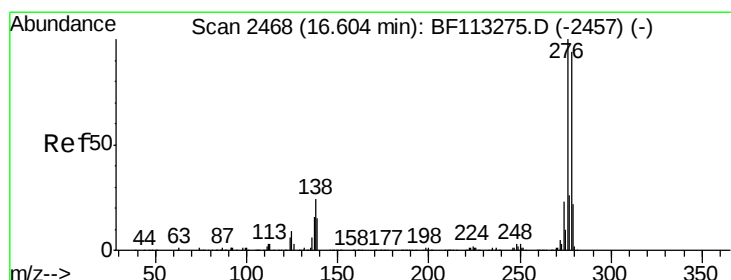
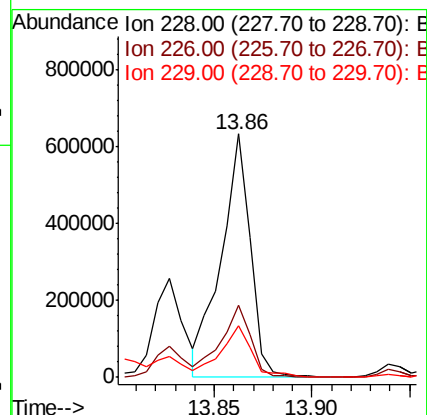
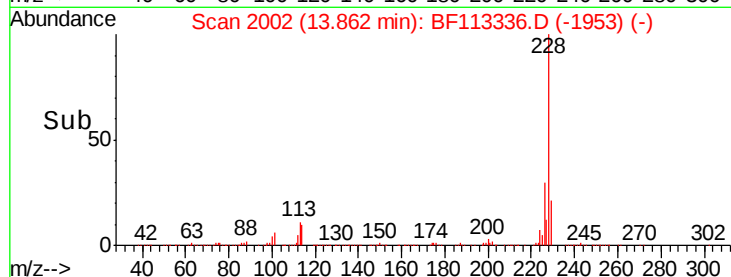
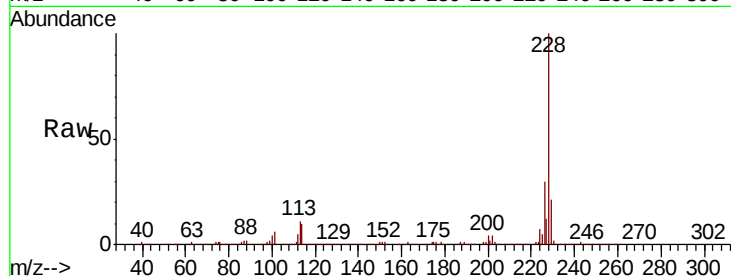
Tgt Ion:228 Resp: 657561

Ion Ratio Lower Upper

228 100

226 29.8 24.3 36.5

229 21.4 16.3 24.5



#86

Indeno(1,2,3-cd)pyrene

Concen: 7.473 ng

RT: 16.59 min Scan# 2465

Delta R.T. -0.02 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

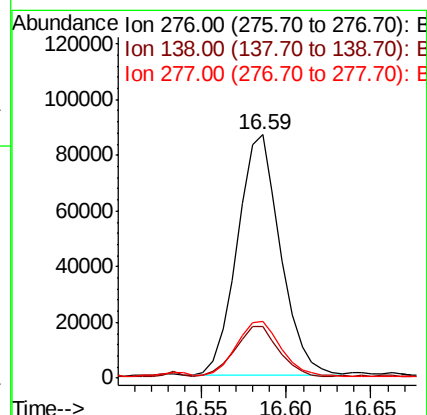
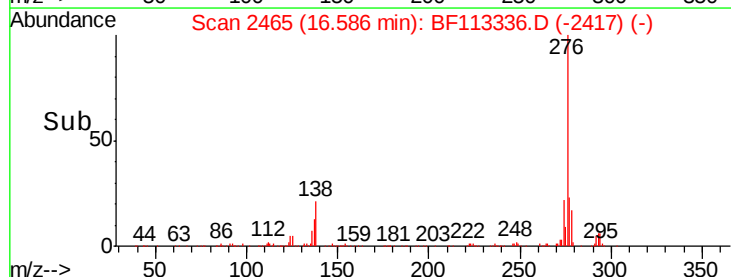
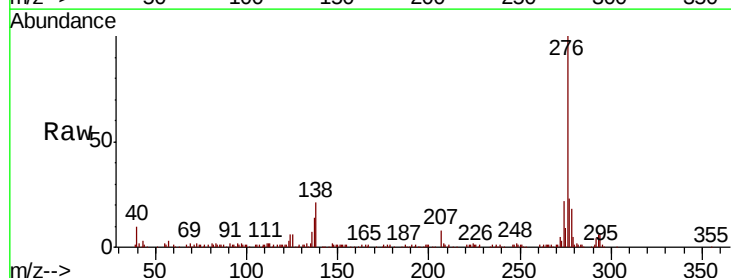
Tgt Ion:276 Resp: 153413

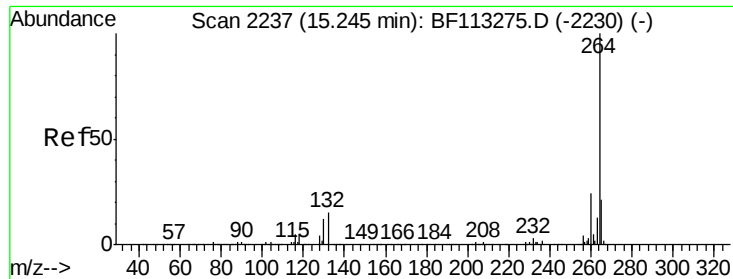
Ion Ratio Lower Upper

276 100

138 20.9 18.1 27.1

277 24.2 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: BF113336.D

Acq: 27 Mar 2019 17:44

Instrument :

BNA_F

ClientSampleId :

CS-16

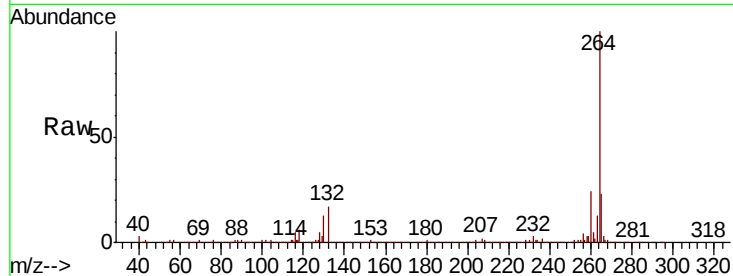
Tgt Ion:264 Resp: 436950

Ion Ratio Lower Upper

264 100

260 24.4 19.1 28.7

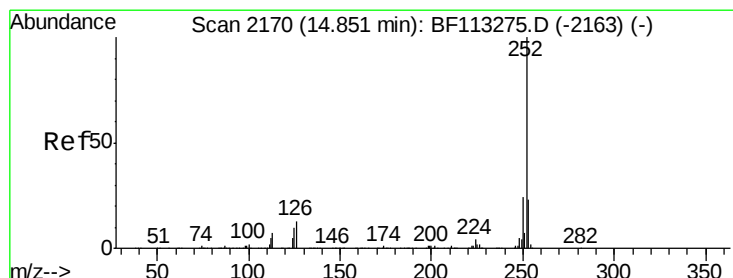
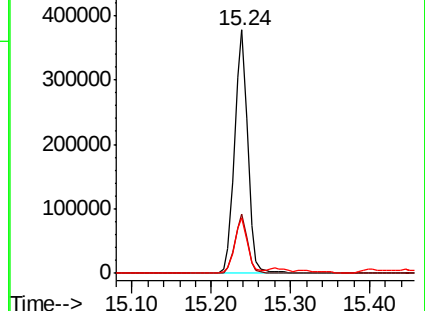
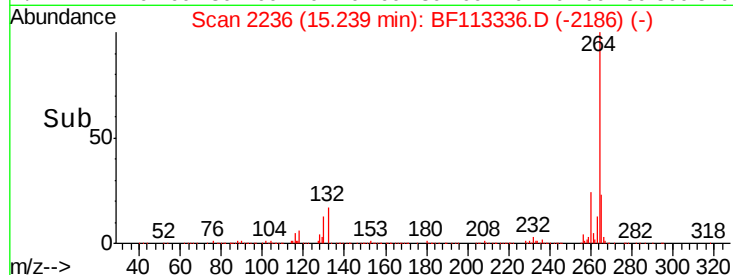
265 22.6 17.1 25.7



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: 34.502 ng

RT: 14.84 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

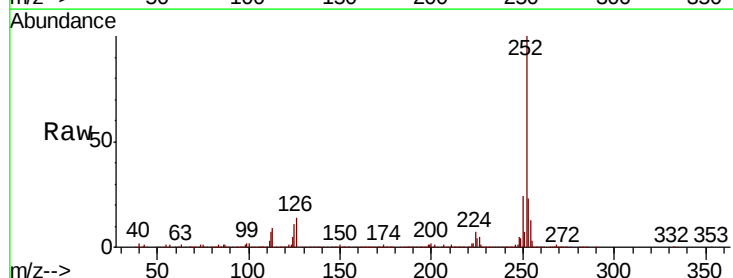
Tgt Ion:252 Resp: 936487

Ion Ratio Lower Upper

252 100

253 22.7 18.0 27.0

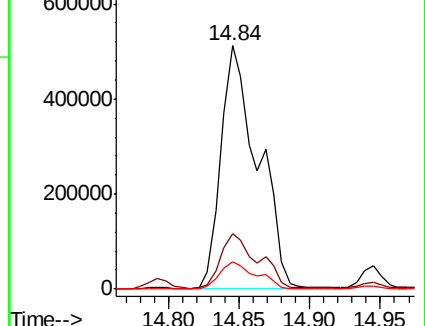
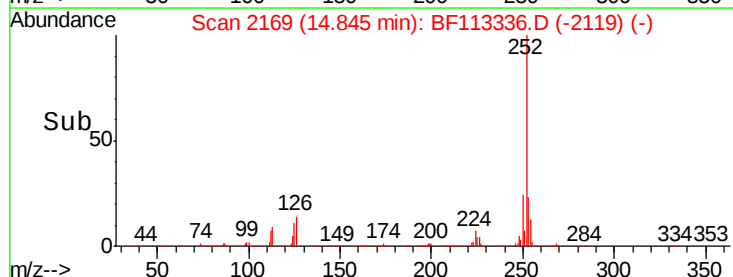
125 11.1 7.6 11.4

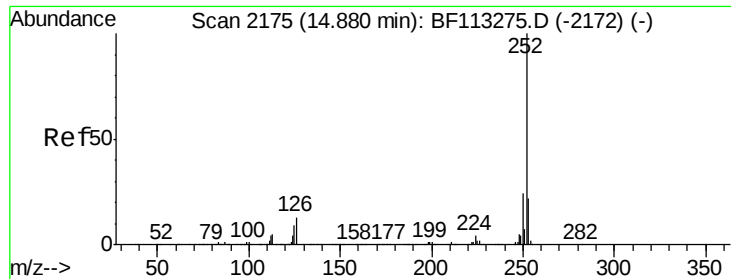


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

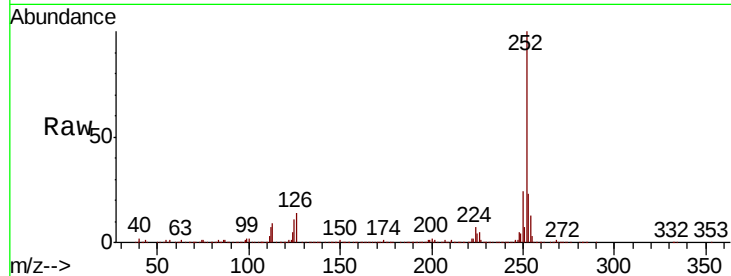




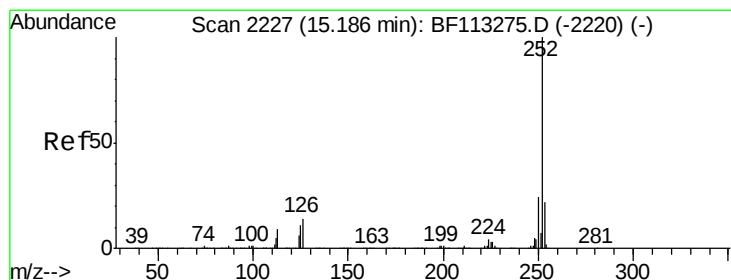
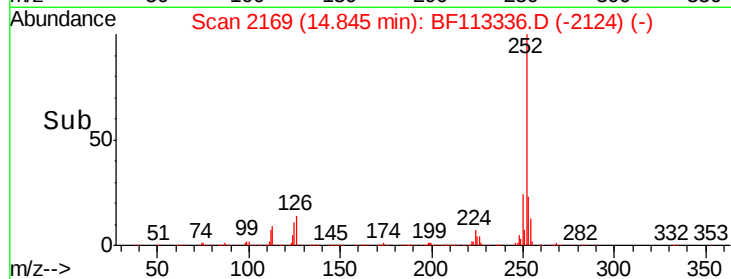
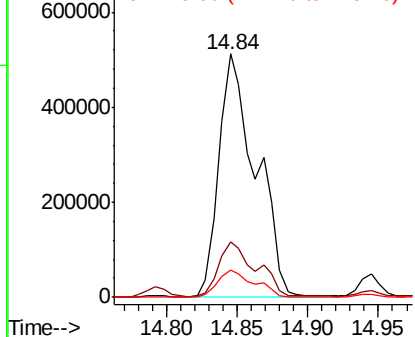
#89
Benzo(k)fluoranthene
Concen: 39.288 ng
RT: 14.84 min Scan# 2169
Delta R.T. -0.04 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Instrument :
BNA_F
ClientSampleId :
CS-16

Tgt Ion:252 Resp: 936487
Ion Ratio Lower Upper
252 100
253 22.7 17.7 26.5
125 11.1 7.3 10.9#

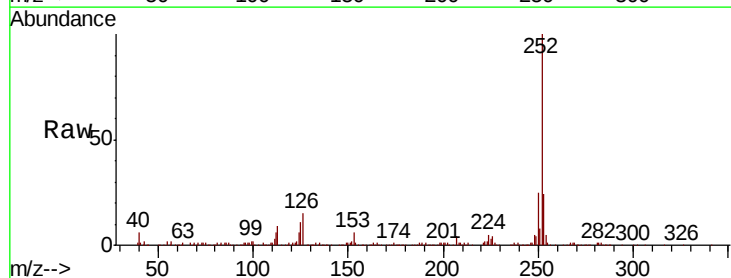


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

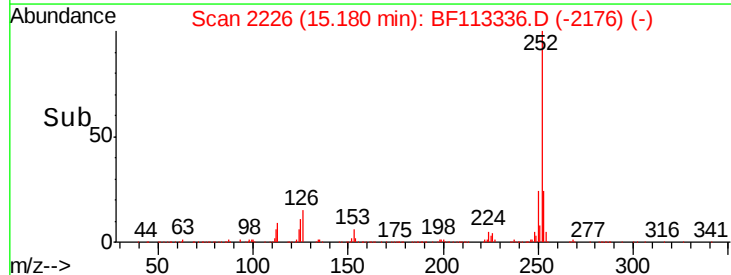
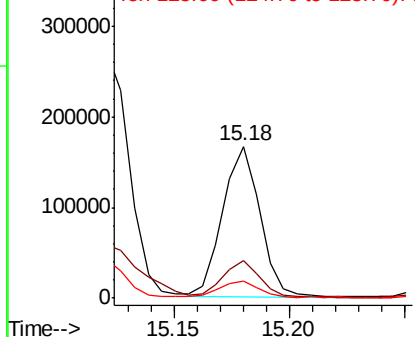


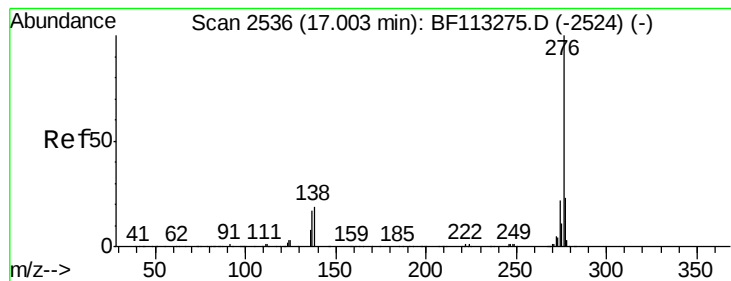
#90
Benzo(a)pyrene
Concen: 7.828 ng
RT: 15.18 min Scan# 2226
Delta R.T. -0.01 min
Lab File: BF113336.D
Acq: 27 Mar 2019 17:44

Tgt Ion:252 Resp: 188365
Ion Ratio Lower Upper
252 100
253 24.5 17.9 26.9
125 11.2 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: 5.615 ng

RT: 16.99 min Scan# 2533

Delta R.T. -0.02 min

Lab File: BF113336.D

Acq: 27 Mar 2019 17:44

Instrument :

BNA_F

ClientSampleId :

CS-16

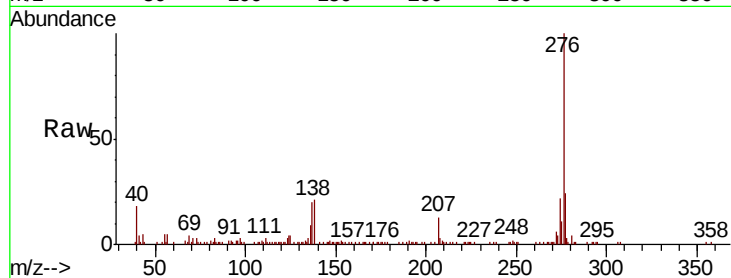
Tgt Ion: 276 Resp: 117796

Ion Ratio Lower Upper

276 100

277 23.8 18.8 28.2

138 20.9 15.6 23.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

