

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122618\
 Data File : BF111725.D
 Acq On : 26 Dec 2018 20:36
 Operator : JU/SJ
 Sample : J6520-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-165

Quant Time: Dec 27 02:15:11 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	201125	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	747076	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	352528	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	589913	20.00	ng	0.00
76) Chrysene-d12	14.06	240	502405	20.00	ng	0.01
87) Perylene-d12	15.54	264	411247	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1023055	86.70	ng	0.02
7) Phenol-d6	6.54	99	1330478	88.60	ng	0.02
23) Nitrobenzene-d5	7.46	82	851316	66.33	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	344414	82.68	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	1281926	53.00	ng	0.00
79) Terphenyl-d14	13.00	244	1069681	40.38	ng	0.00

Target Compounds

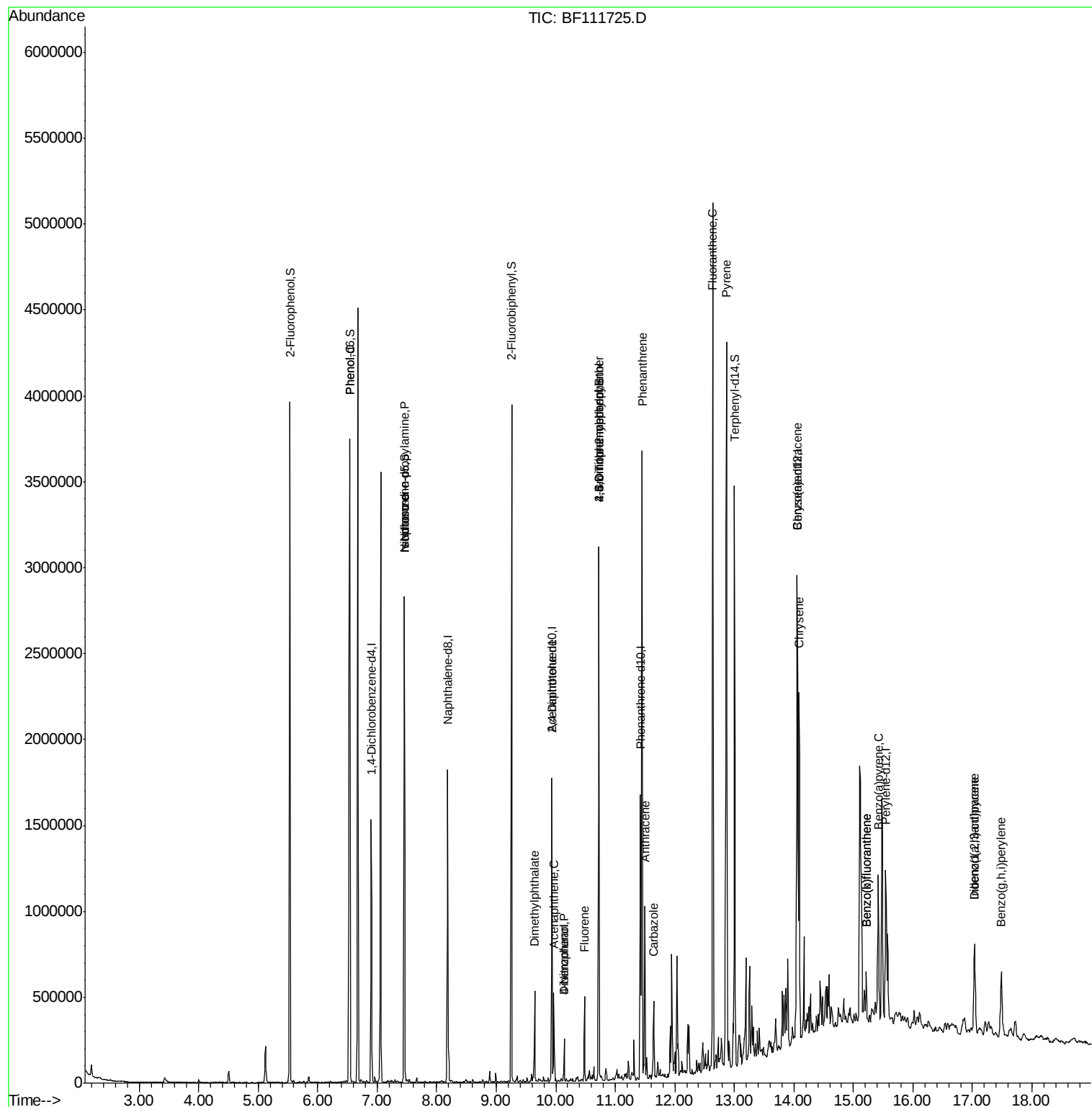
						Qvalue
10) Phenol	6.55	94	109580	6.467	ng	91
19) n-Nitroso-di-n-propylamine	7.46	70	117060	11.738	ng	# 77
25) Isophorone	7.46	82	848650	37.246	ng	# 64
50) Dimethylphthalate	9.65	163	212723	8.252	ng	97
52) Acenaphthene	9.97	154	104884	4.940	ng	99
55) Dibenzofuran	10.14	168	75779	2.362	ng	93
56) 4-Nitrophenol	10.14	139	27297	6.525	ng	# 10
57) 2,4-Dinitrotoluene	9.93	165	45860	7.423	ng	# 24
58) Fluorene	10.48	166	120494	5.213	ng	99
65) 4,6-Dinitro-2-methylphenol	10.72	198	700	6.940	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	21387	2.923	ng	# 1
71) Phenanthrene	11.45	178	1478695	47.265	ng	95
72) Anthracene	11.50	178	381764	12.157	ng	95
73) Carbazole	11.65	167	151722	4.977	ng	94
75) Fluoranthene	12.64	202	2043404	64.500	ng	97
78) Pyrene	12.87	202	1786785	50.362	ng	98
81) Benzo(a)anthracene	14.05	228	922169	32.163	ng	100
83) Chrysene	14.09	228	771318	27.371	ng	98
86) Indeno(1,2,3-cd)pyrene	17.03	276	354891	14.814	ng	# 83
88) Benzo(b)fluoranthene	15.22	252	125152	5.207	ng	95
89) Benzo(k)fluoranthene	15.22	252	125152	5.469	ng	95
90) Benzo(a)pyrene	15.42	252	418460	19.164	ng	97
91) Dibenzo(a,h)anthracene	17.04	278	81996	4.288	ng	# 73
92) Benzo(g,h,i)perylene	17.49	276	321328	17.210	ng	# 87

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

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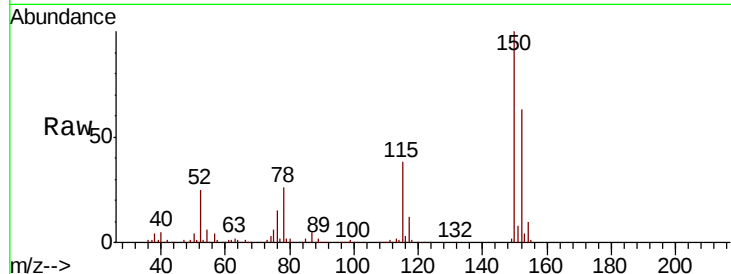


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.6	126.6	189.8
115	60.3	50.7	76.1

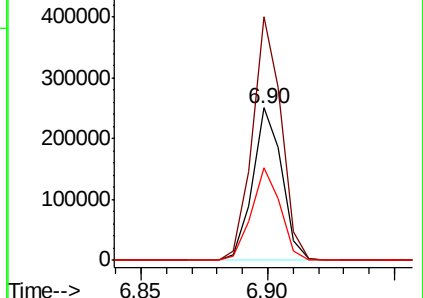
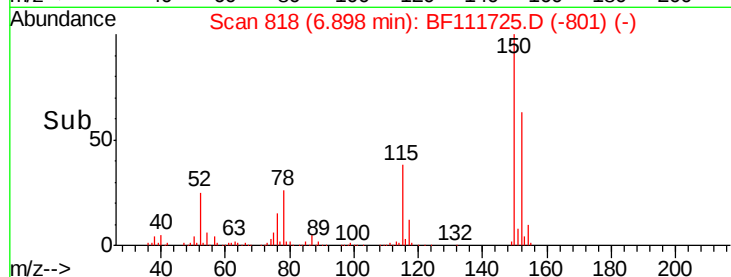


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

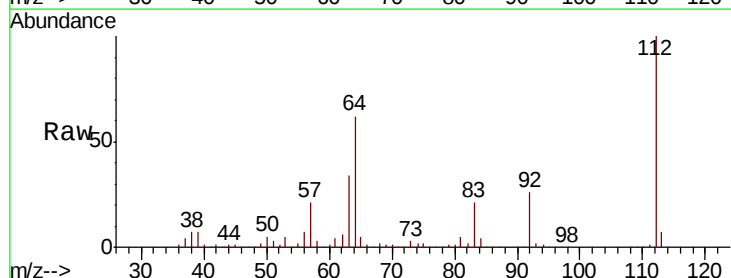
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 86.704 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.0	51.8	77.6
63	34.0	26.8	40.2

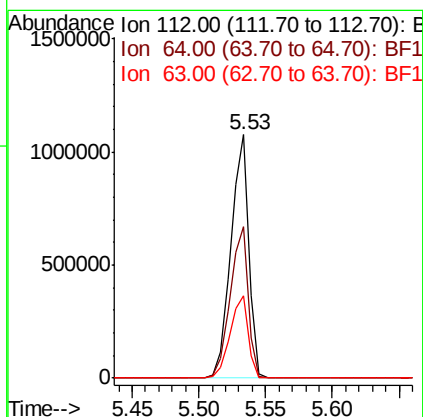
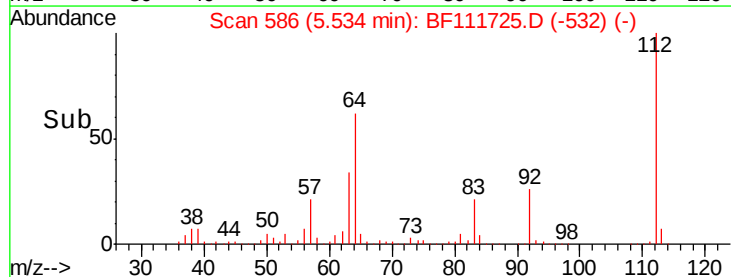


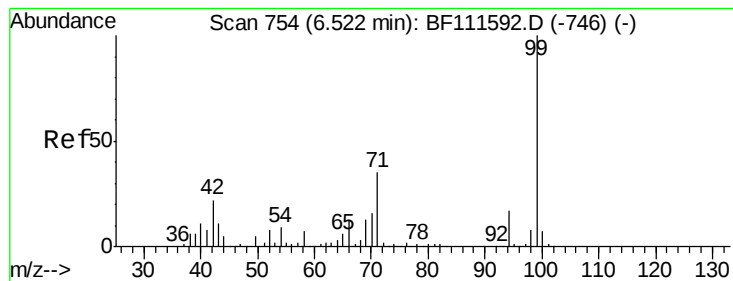
Abundance

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: 88.601 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-165

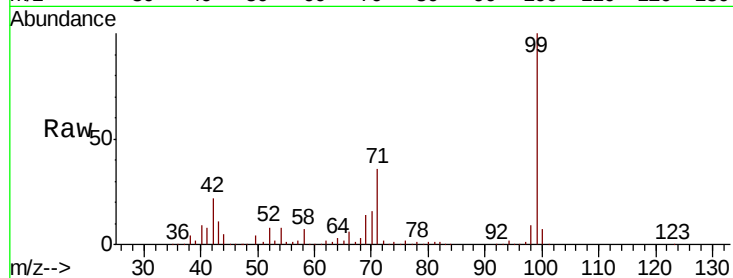
Tot Ion: 99 Resp: 1330478

Ion Ratio Lower Upper

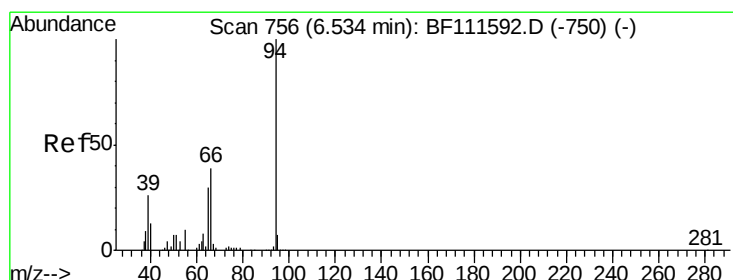
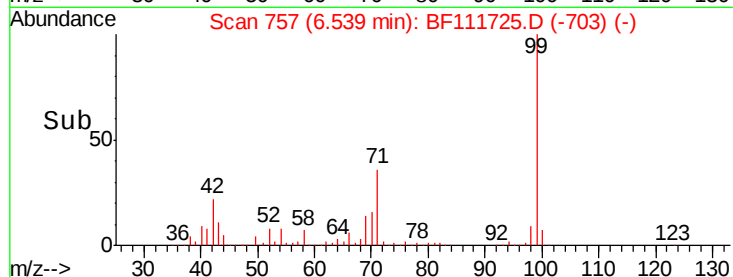
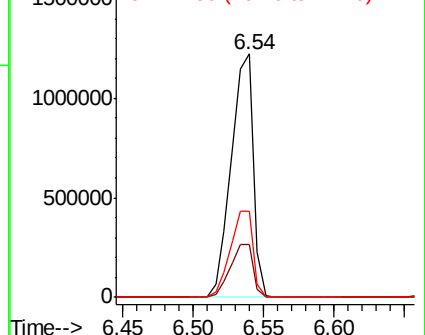
99 100

42 21.6 17.4 26.0

71 35.6 26.1 39.1



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



#10

Phenol

Concen: 6.467 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

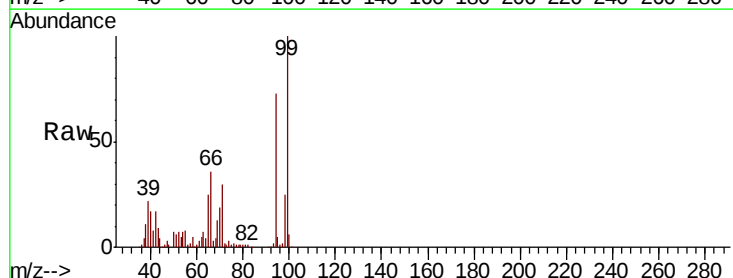
Tgt Ion: 94 Resp: 109580

Ion Ratio Lower Upper

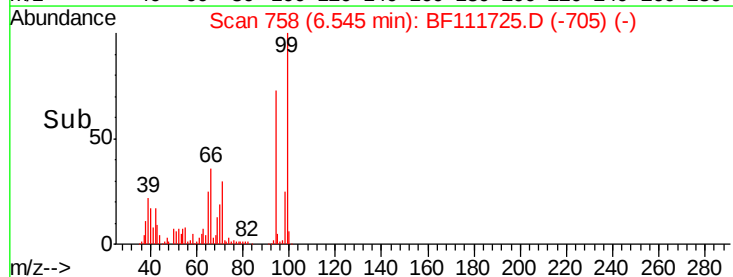
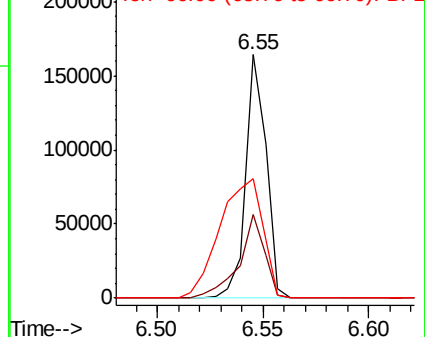
94 100

65 34.1 11.7 51.7

66 49.1 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

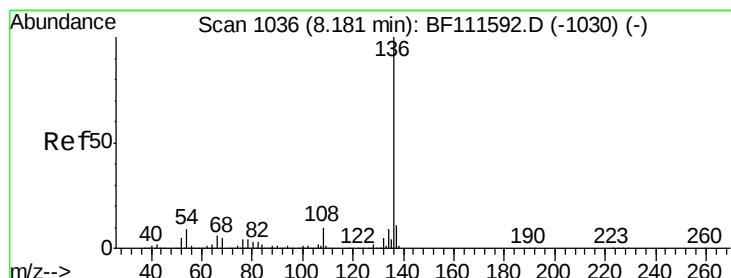
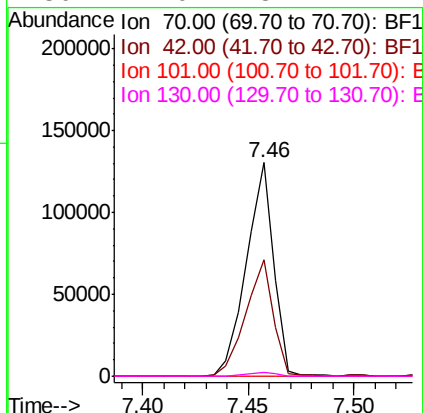
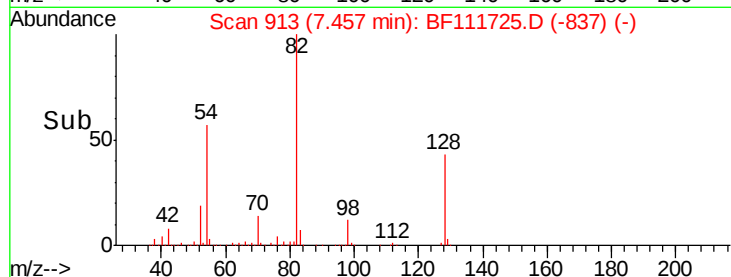
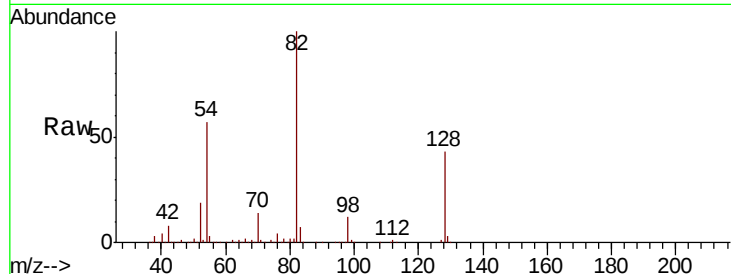




#19
n-Nitroso-di-n-propylamine
Concen: 11.738 ng
RT: 7.46 min Scan# 913
Delta R.T. 0.15 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

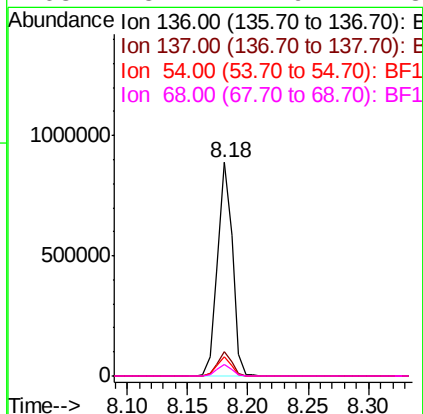
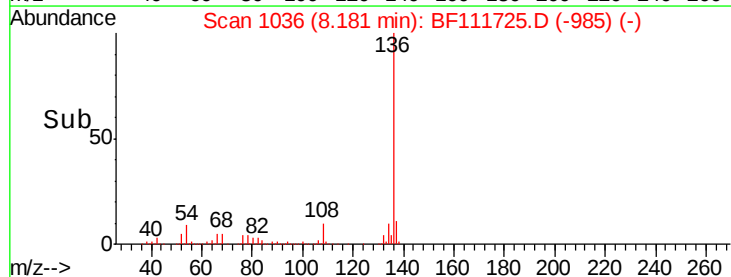
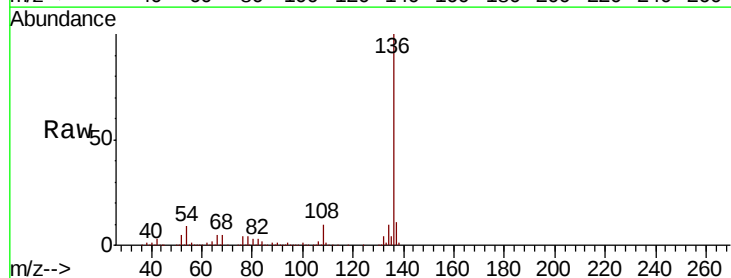
Instrument :
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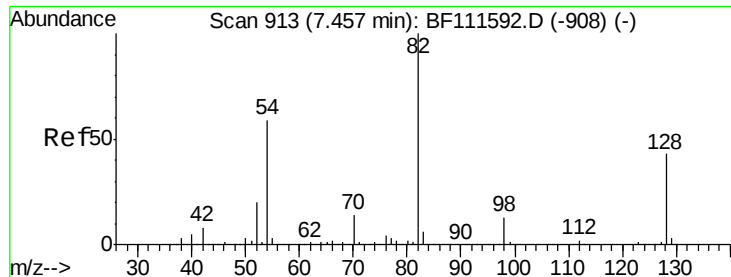
Tot Ion: 70 Resp: 117060
Ion Ratio Lower Upper
70 100
42 54.6 53.2 79.8
101 0.0 8.2 12.4#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:136 Resp: 747076
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 9.1 7.7 11.5
68 5.4 4.9 7.3

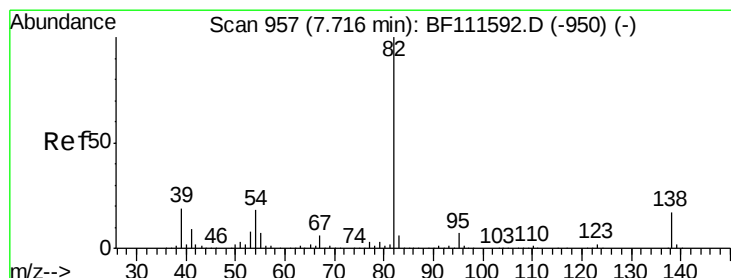
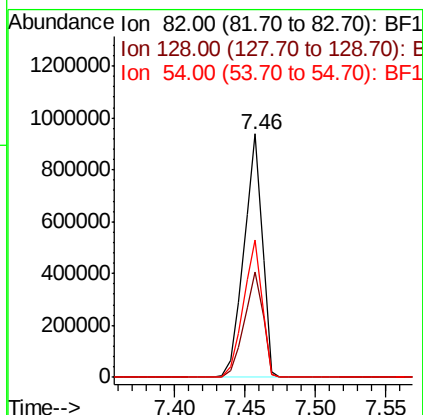
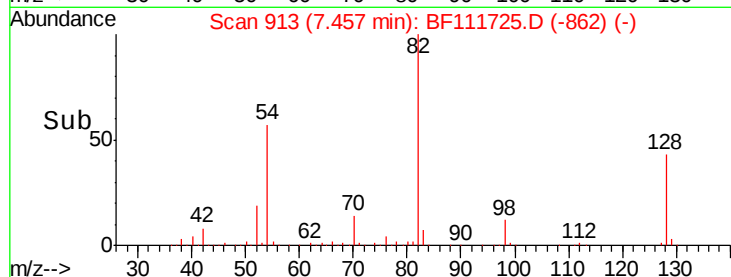
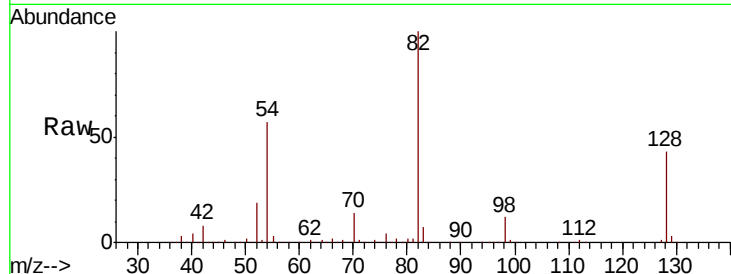




#23
Nitrobenzene-d5
Concen: 66.329 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

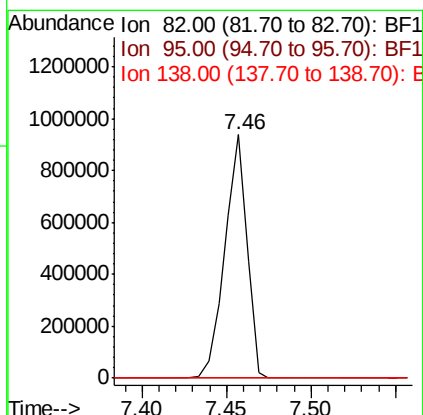
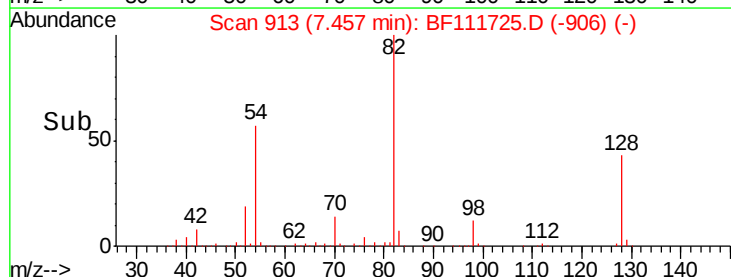
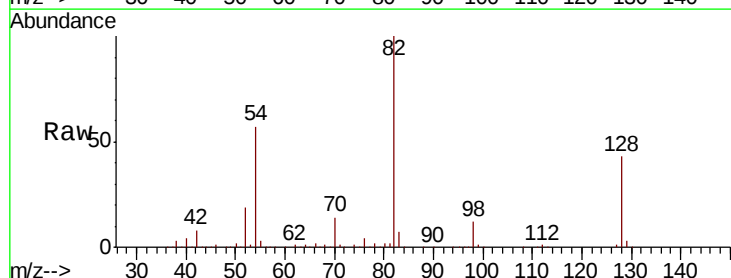
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

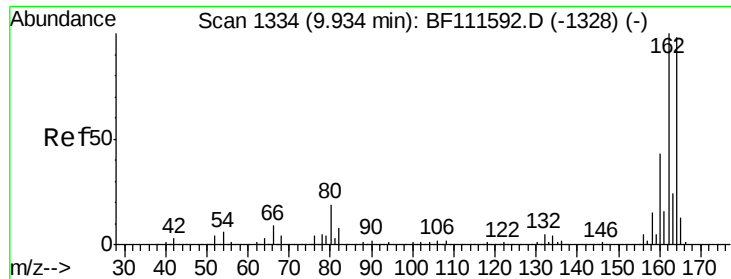
Tot Ion: 82 Resp: 851316
Ion Ratio Lower Upper
82 100
128 43.4 37.4 56.2
54 56.5 47.6 71.4



#25
Isophorone
Concen: 37.246 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.26 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion: 82 Resp: 848650
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 15.1 22.7#

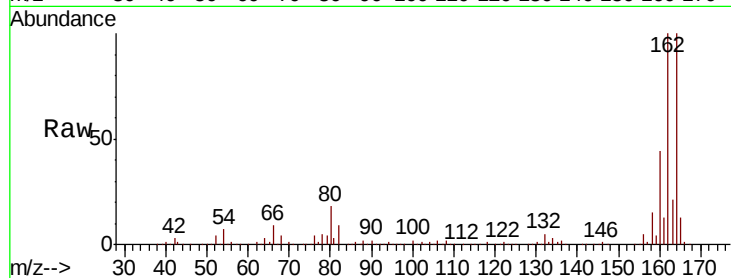




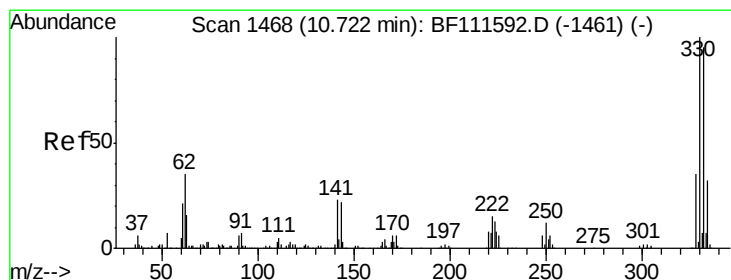
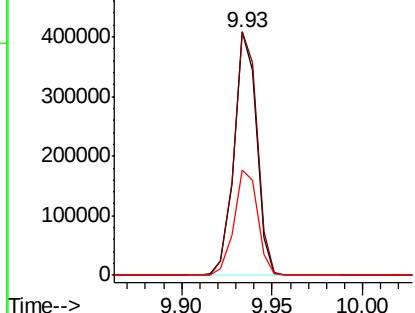
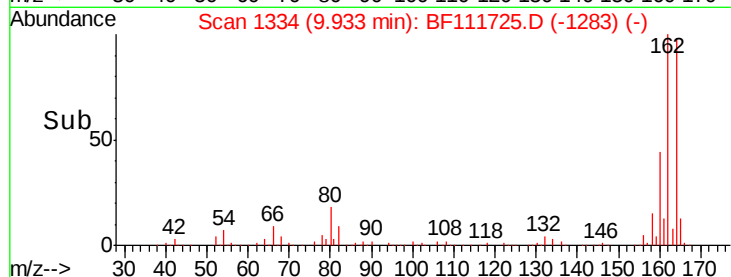
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

Tot Ion:164 Resp: 352528
Ion Ratio Lower Upper
164 100
162 100.2 81.4 122.0
160 43.6 35.7 53.5

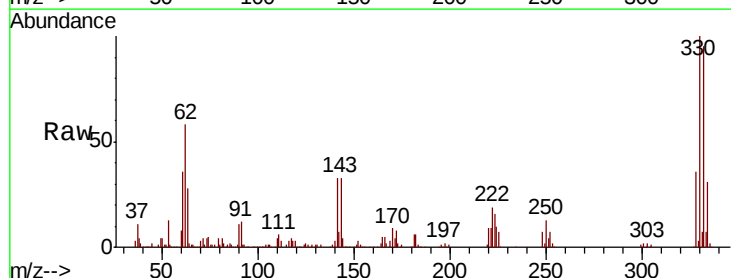


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

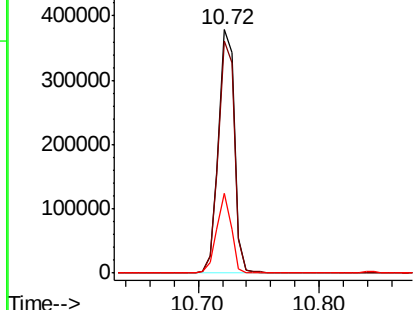
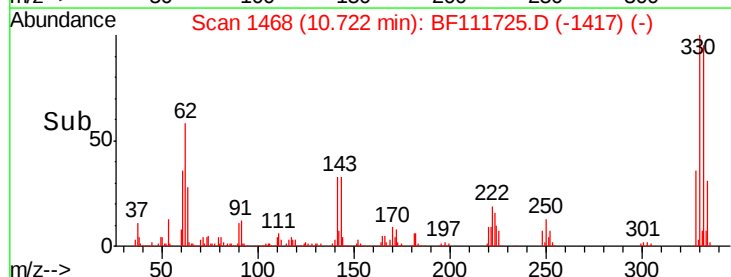


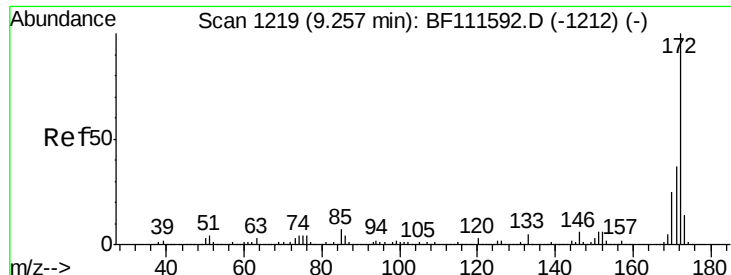
#42
2,4,6-Tribromophenol
Concen: 82.685 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:330 Resp: 344414
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 30.2 31.0 46.6#



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

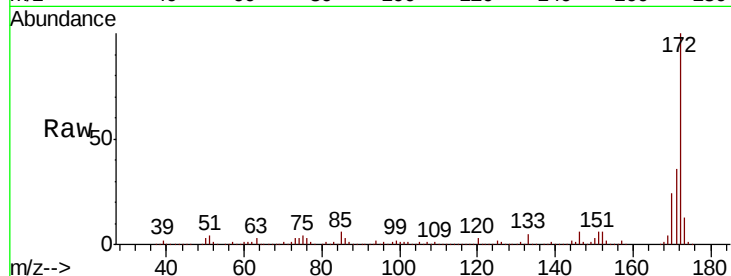




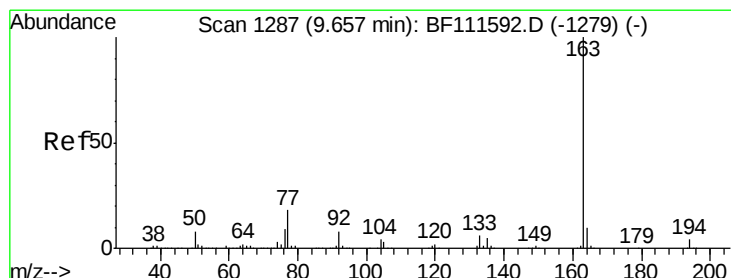
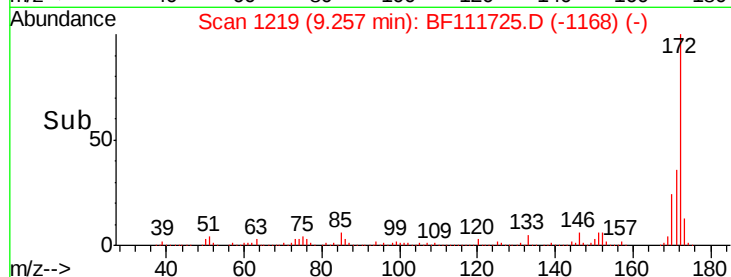
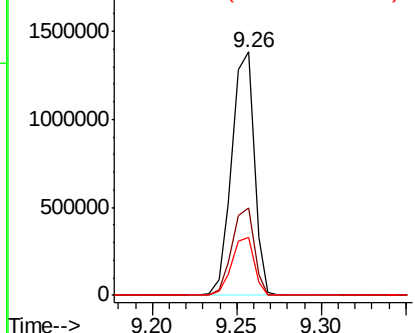
#45
2-Fluorobiphenyl
Concen: 53.003 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

Tot Ion:172 Resp: 1281926
Ion Ratio Lower Upper
172 100
171 36.1 33.0 49.4
170 24.0 22.3 33.5

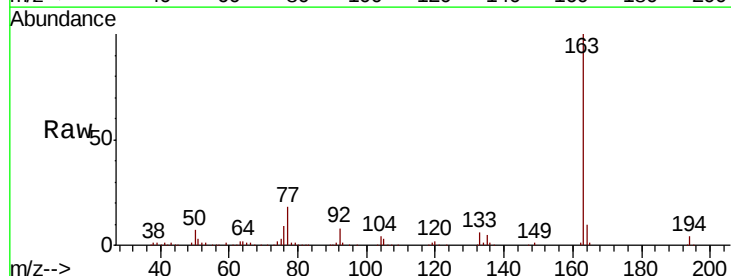


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

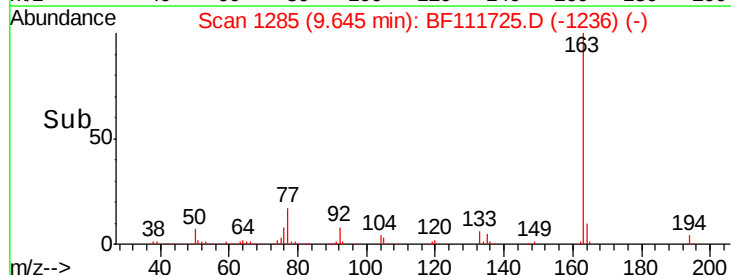
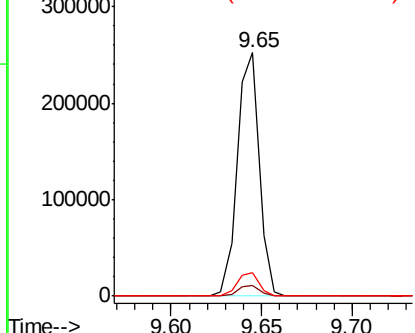


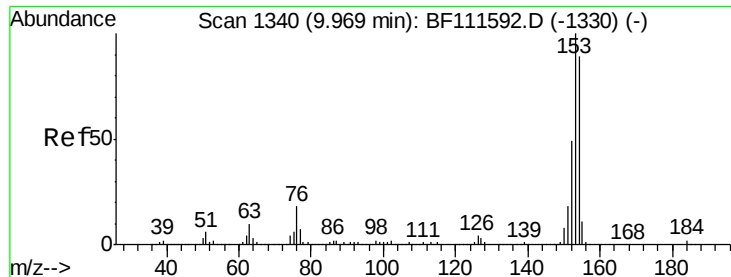
#50
Dimethylphthalate
Concen: 8.252 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:163 Resp: 212723
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.8 8.9 13.3



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





#52

Acenaphthene

Concen: 4.940 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-165

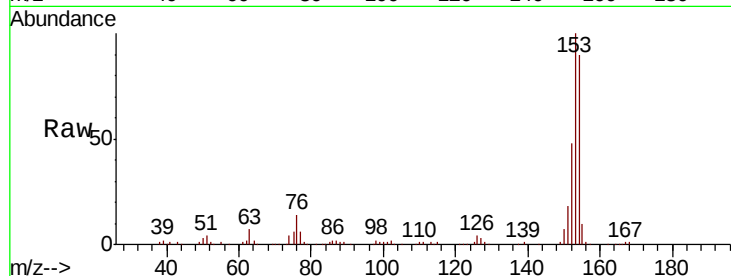
Tot Ion:154 Resp: 104884

Ion Ratio Lower Upper

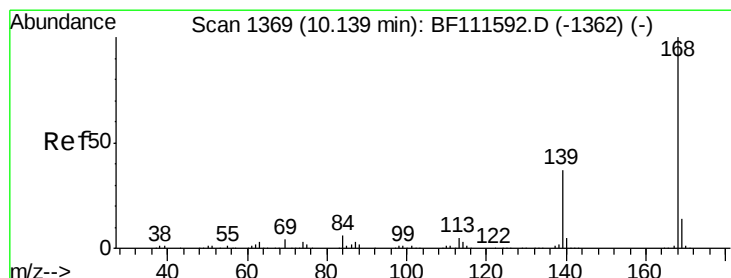
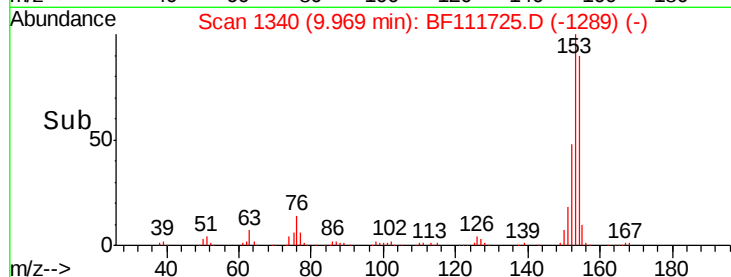
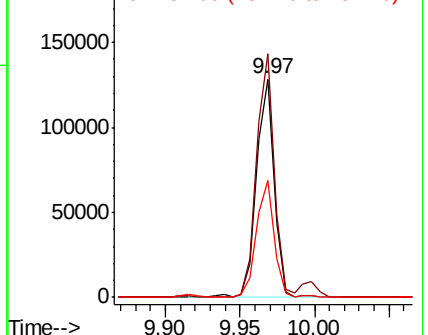
154 100

153 111.6 87.8 131.8

152 53.5 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 2.362 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

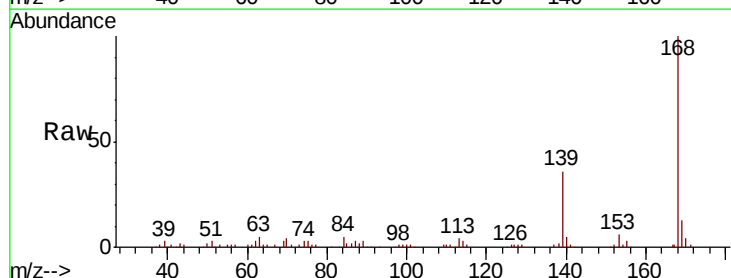
Tgt Ion:168 Resp: 75779

Ion Ratio Lower Upper

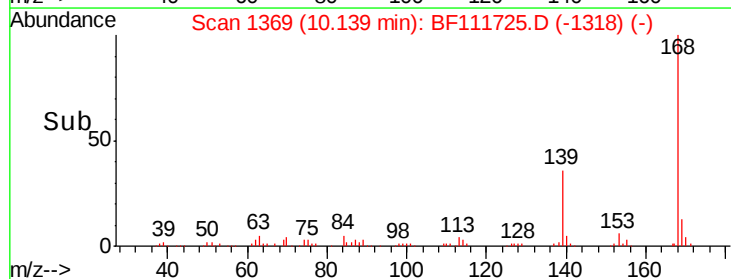
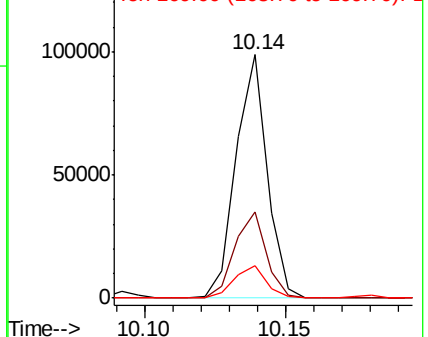
168 100

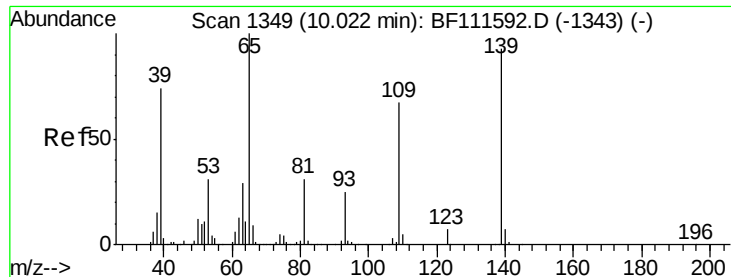
139 35.6 32.6 49.0

169 13.1 11.8 17.6



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

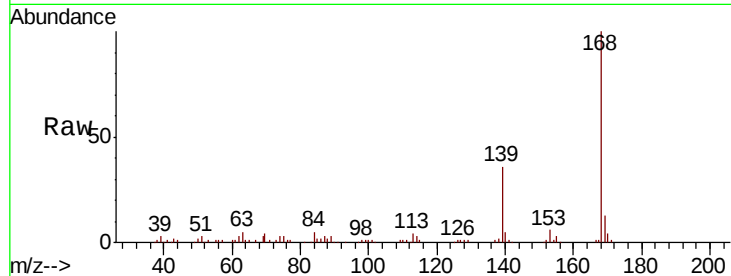




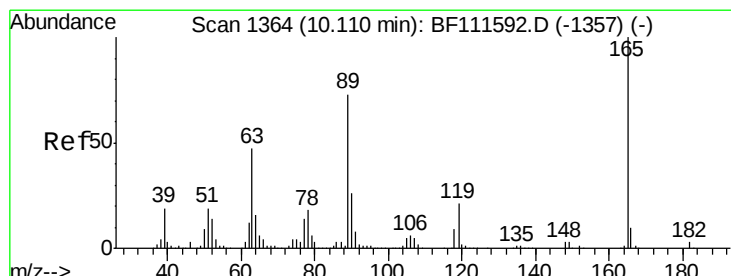
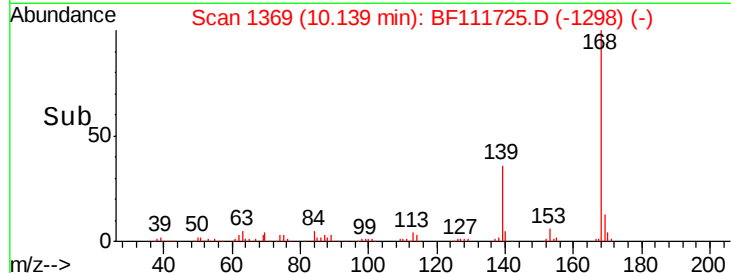
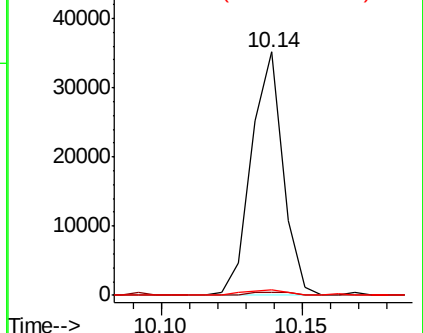
#56
4-Nitrophenol
Concen: 6.525 ng
RT: 10.14 min Scan# 1369
Delta R.T. 0.12 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

Tot Ion:139 Resp: 27297
Ion Ratio Lower Upper
139 100
109 1.4 41.8 81.8#
65 2.5 79.6 119.6#

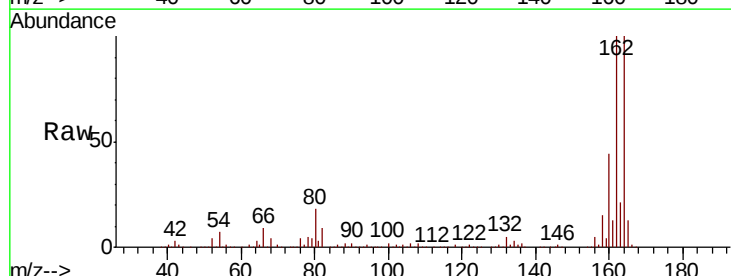


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

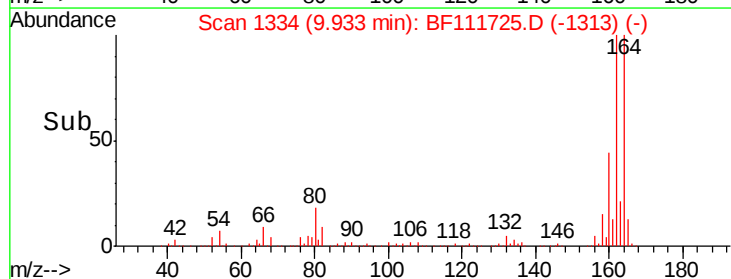
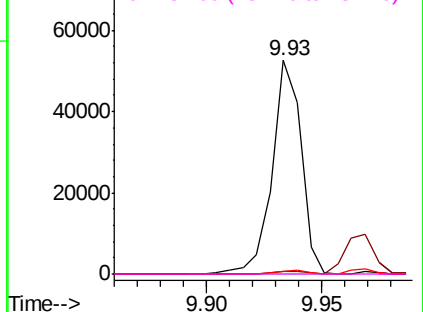


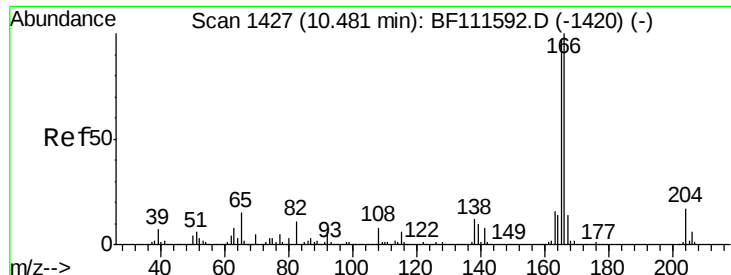
#57
2,4-Dinitrotoluene
Concen: 7.423 ng
RT: 9.93 min Scan# 1334
Delta R.T. -0.18 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:165 Resp: 45860
Ion Ratio Lower Upper
165 100
63 1.0 34.6 52.0#
89 1.5 56.2 84.4#
182 0.0 1.8 2.6#



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





#58

Fluorene

Concen: 5.213 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.00 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-165

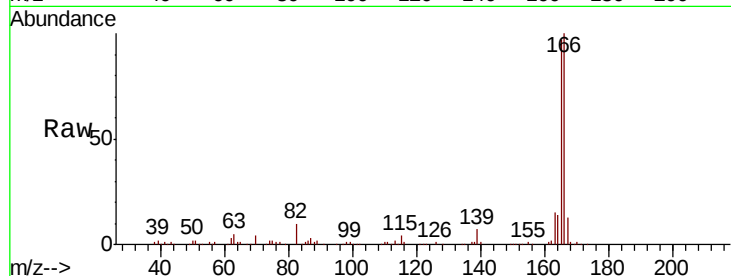
Tot Ion:166 Resp: 120494

Ion Ratio Lower Upper

166 100

165 97.5 78.4 117.6

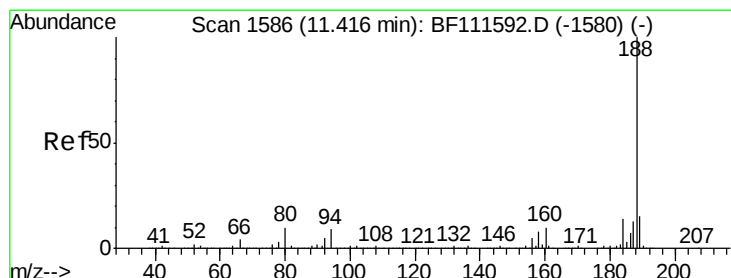
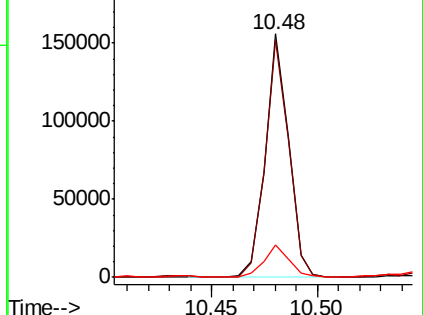
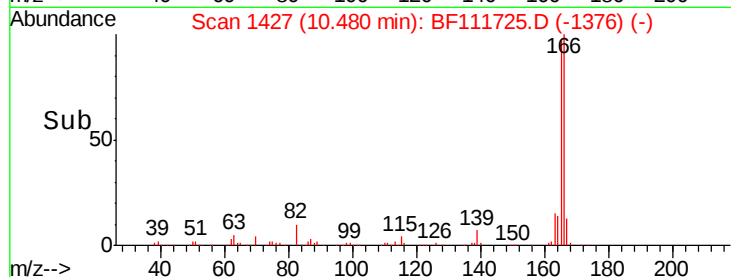
167 13.3 11.2 16.8



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1587

Delta R.T. 0.01 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

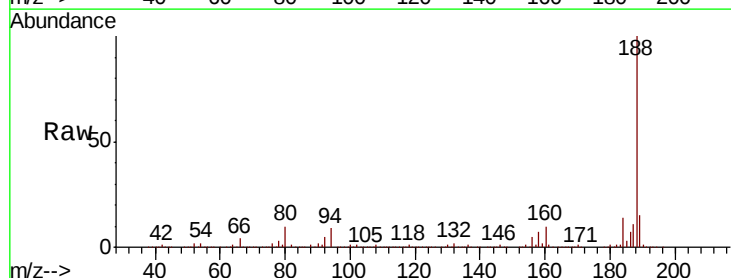
Tgt Ion:188 Resp: 589913

Ion Ratio Lower Upper

188 100

94 8.6 9.6 14.4#

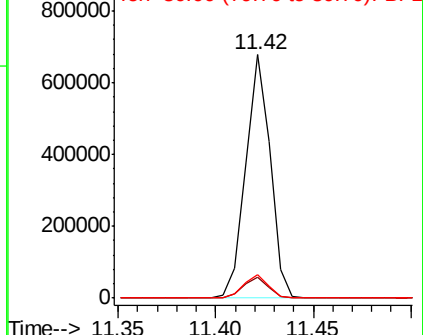
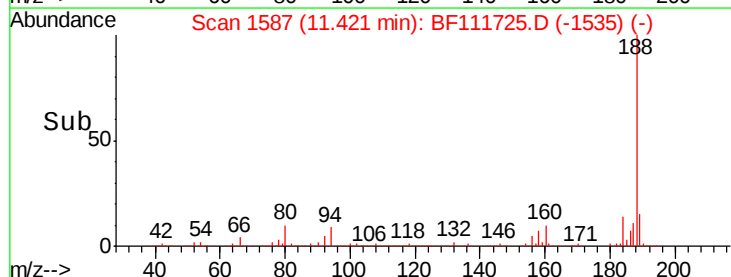
80 9.6 9.8 14.6#

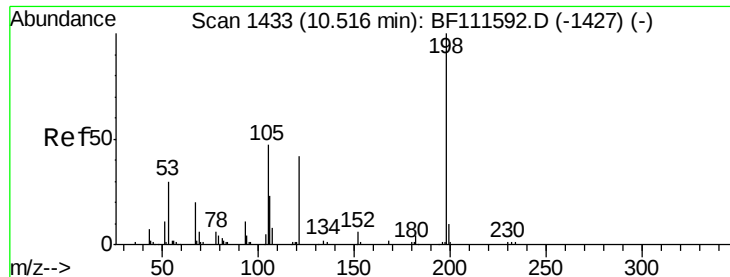


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 6.940 ng

RT: 10.72 min Scan# 1468

Delta R.T. 0.21 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-165

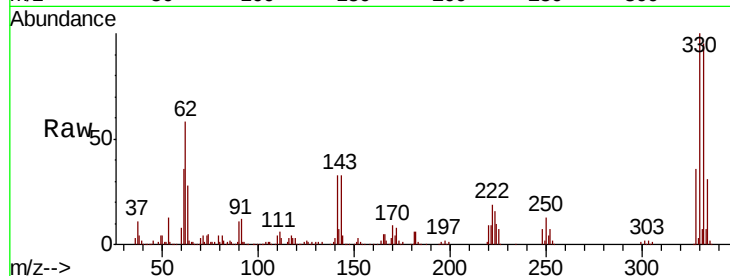
Tot Ion:198 Resp: 700

Ion Ratio Lower Upper

198 100

51 309.7 48.0 88.0#

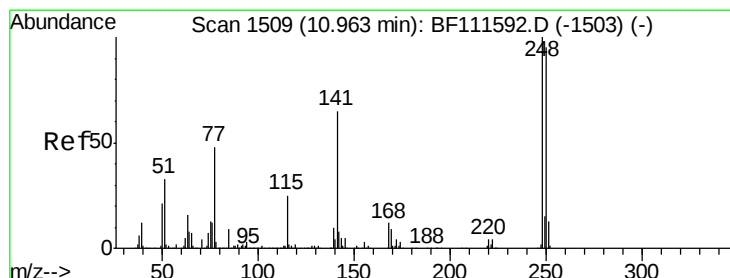
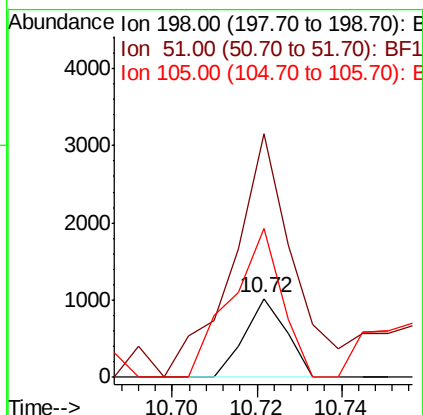
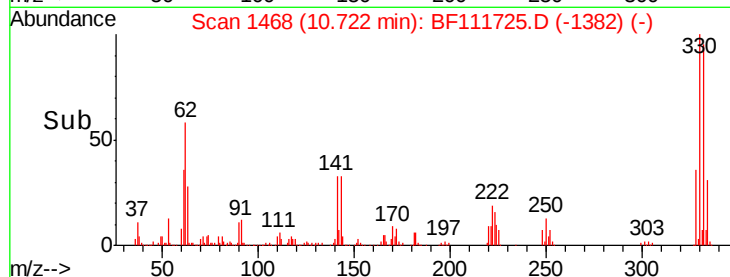
105 188.9 34.0 74.0#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 2.923 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.24 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

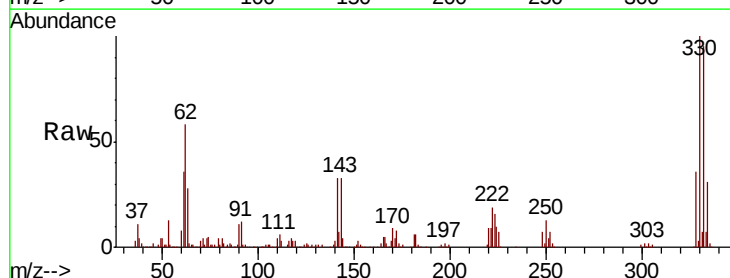
Tgt Ion:248 Resp: 21387

Ion Ratio Lower Upper

248 100

250 191.9 77.0 115.4#

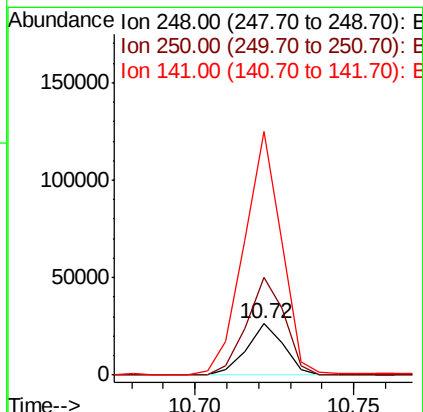
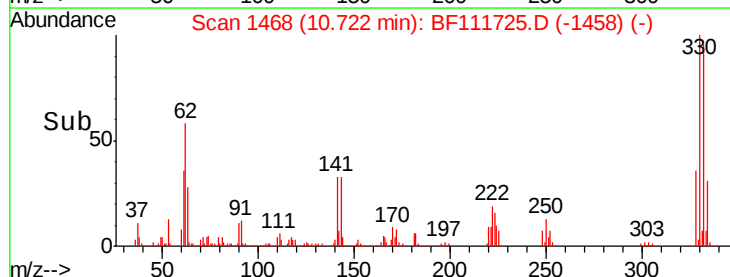
141 476.1 63.0 94.6#

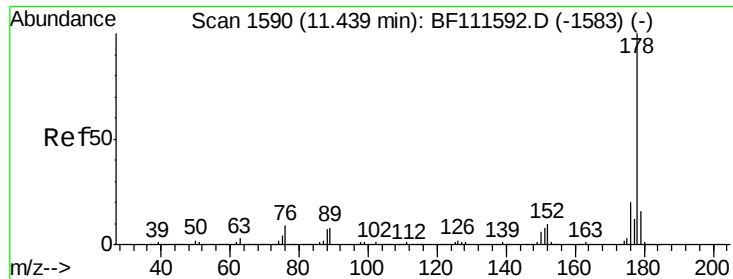


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

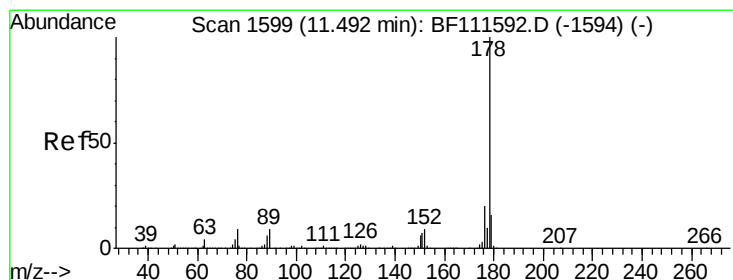
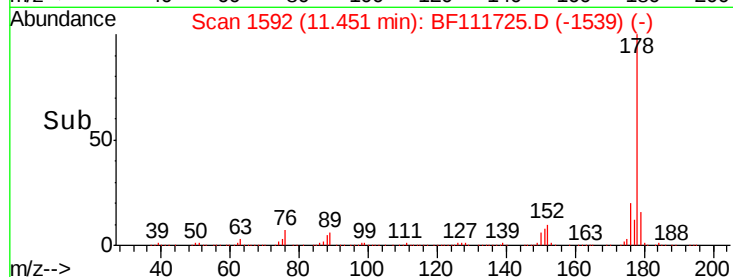
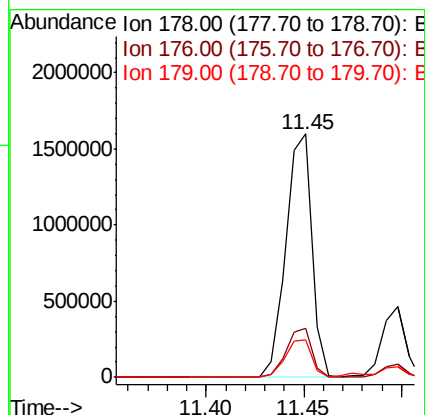
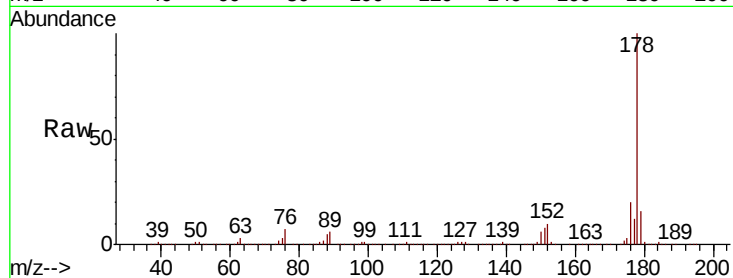




#71
Phenanthrene
Concen: 47.265 ng
RT: 11.45 min Scan# 1592
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

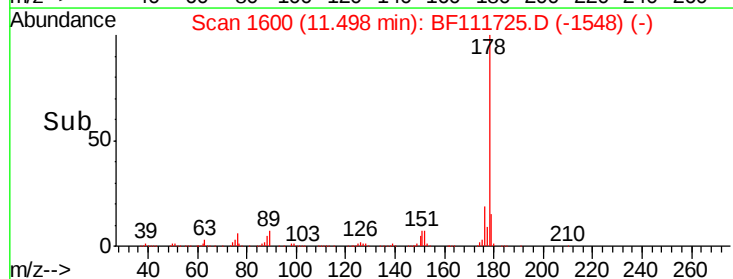
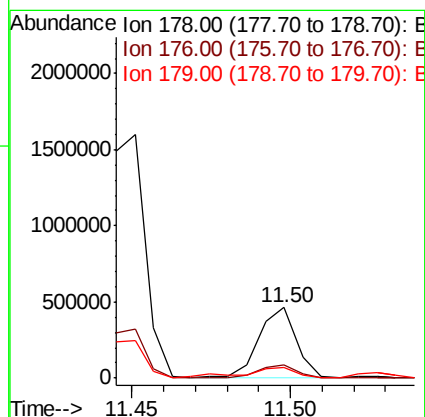
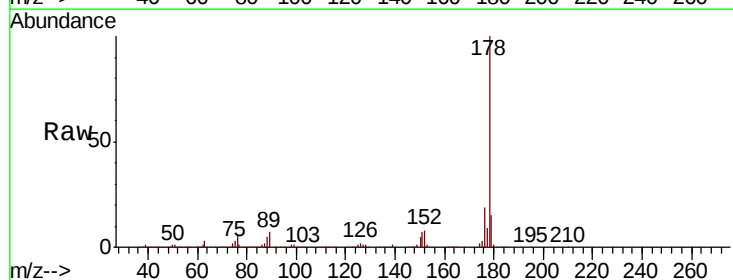
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

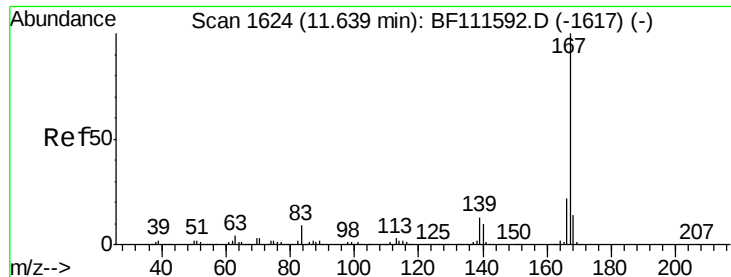
Tot Ion:178 Resp: 1478695
Ion Ratio Lower Upper
178 100
176 20.0 18.1 27.1
179 15.7 14.0 21.0



#72
Anthracene
Concen: 12.157 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:178 Resp: 381764
Ion Ratio Lower Upper
178 100
176 19.0 17.2 25.8
179 15.0 13.8 20.8

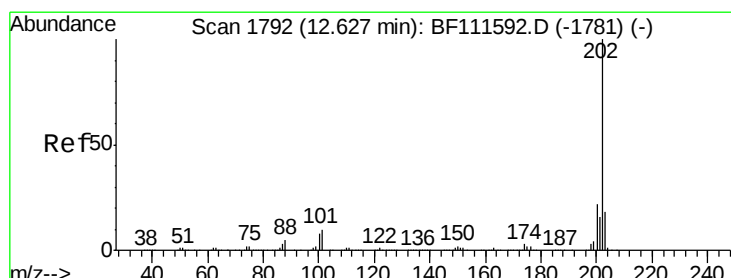
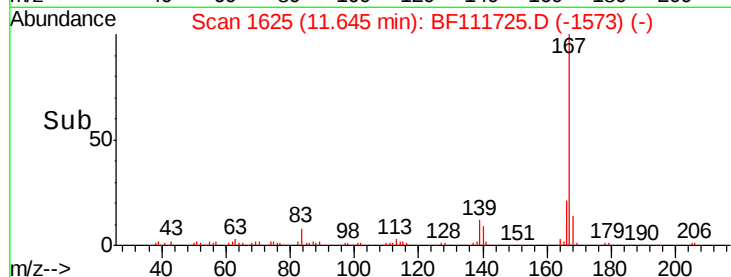
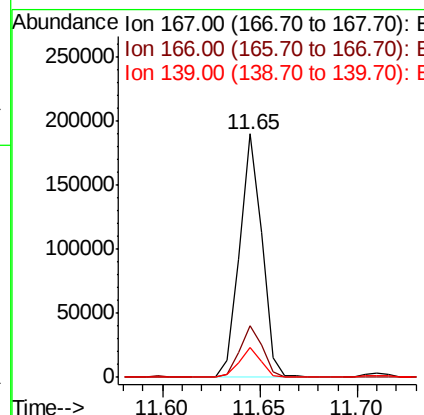
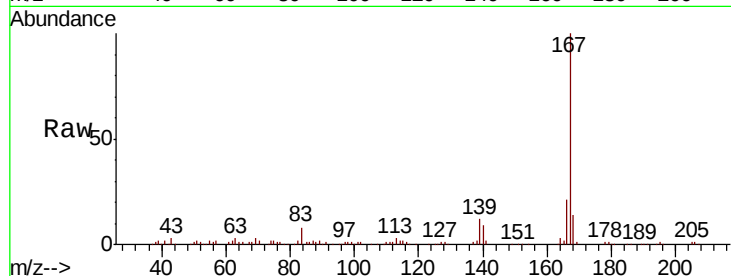




#73
 Carbazole
 Concen: 4.977 ng
 RT: 11.65 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF111725.D
 Acq: 26 Dec 2018 20:36

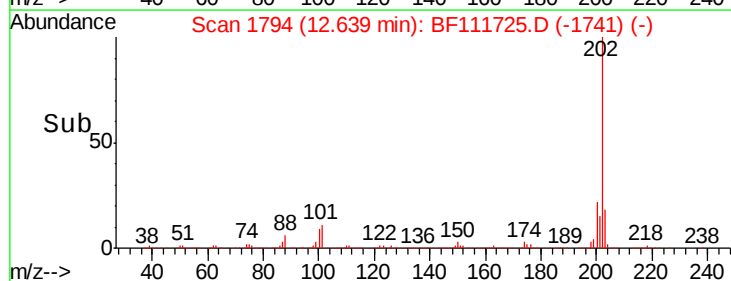
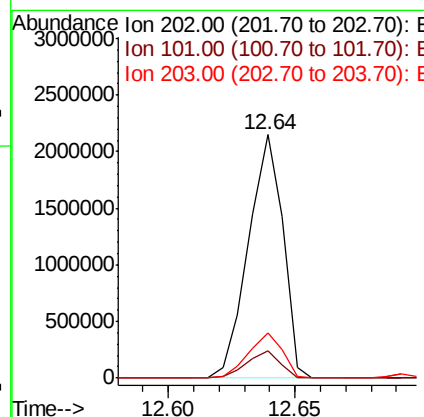
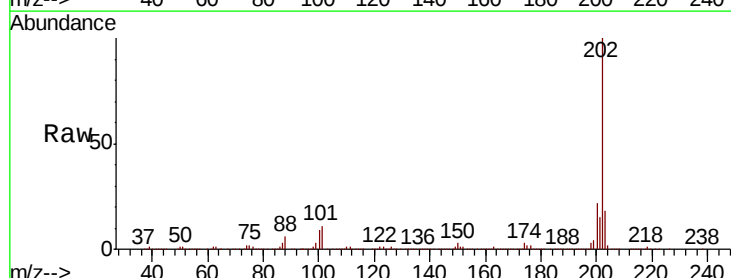
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-165

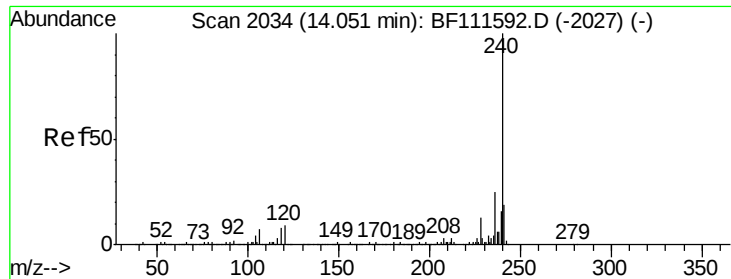
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.0	19.3	28.9
139	12.4	11.9	17.9



#75
 Fluoranthene
 Concen: 64.500 ng
 RT: 12.64 min Scan# 1794
 Delta R.T. 0.01 min
 Lab File: BF111725.D
 Acq: 26 Dec 2018 20:36

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	33.8
203	18.4	0.0	38.6

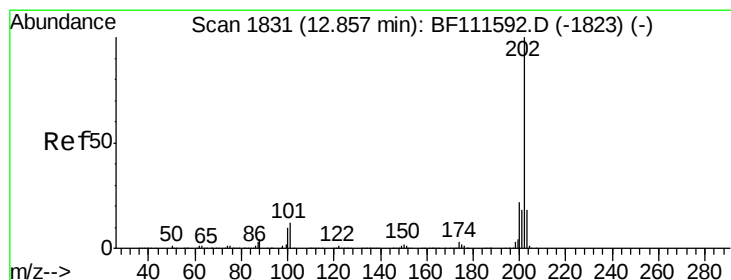
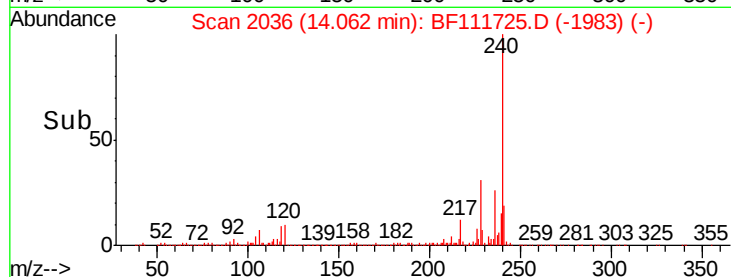
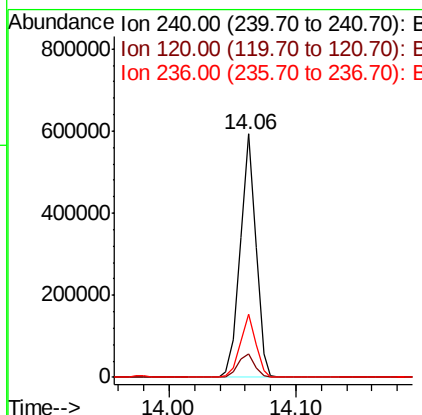
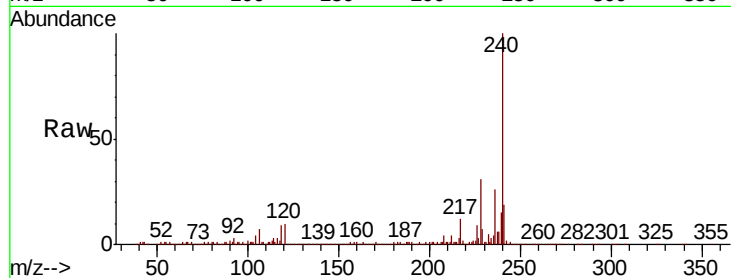




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF111725.D
 Acq: 26 Dec 2018 20:36

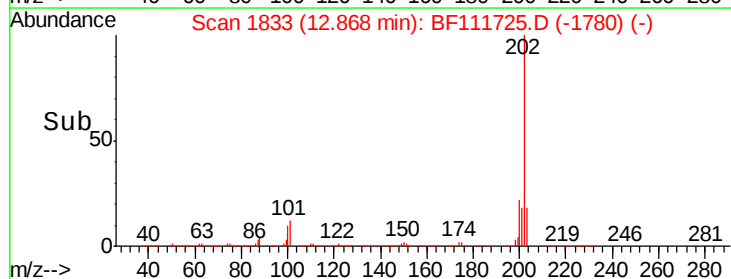
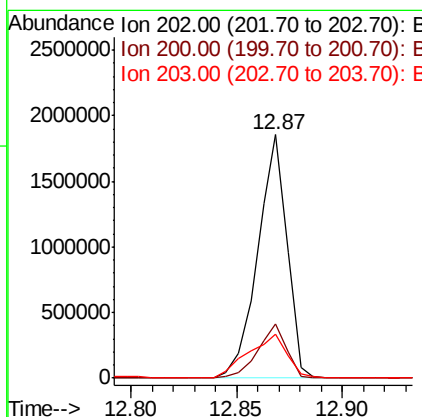
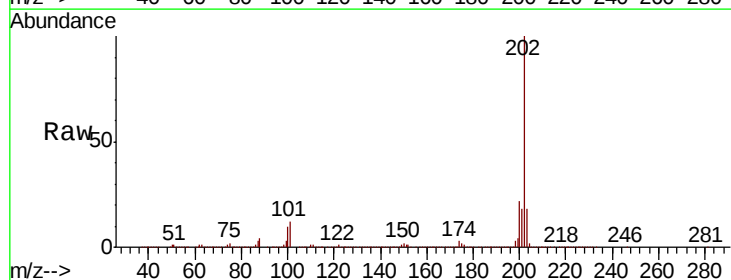
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-165

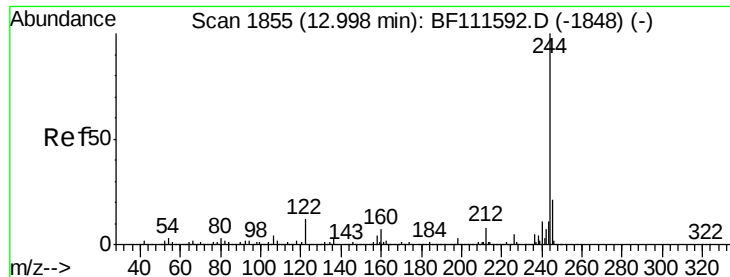
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.8	12.2	18.2#
236	25.8	20.2	30.2



#78
 Pyrene
 Concen: 50.362 ng
 RT: 12.87 min Scan# 1833
 Delta R.T. 0.01 min
 Lab File: BF111725.D
 Acq: 26 Dec 2018 20:36

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.2	19.0	28.4
203	18.3	15.2	22.8

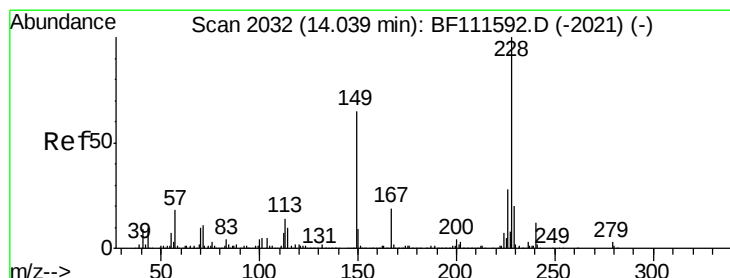
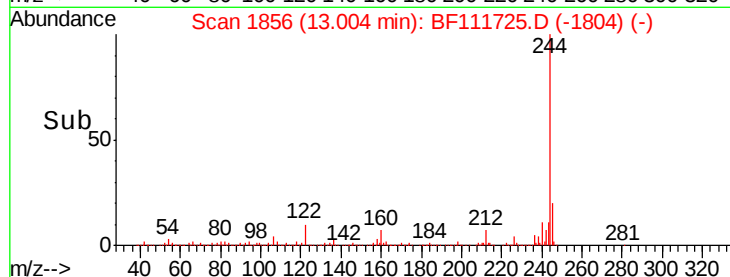
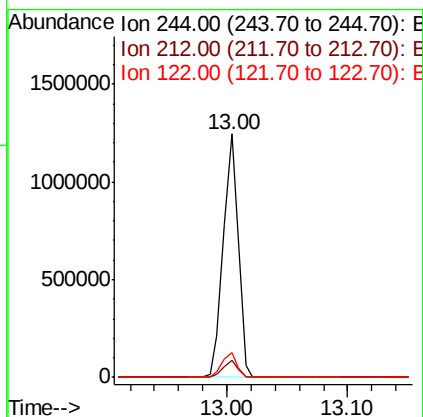
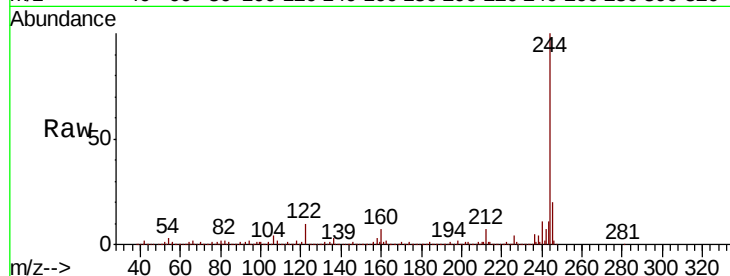




#79
 Terphenyl-d14
 Concen: 40.377 ng
 RT: 13.00 min Scan# 1856
 Delta R.T. 0.01 min
 Lab File: BF111725.D
 Acq: 26 Dec 2018 20:36

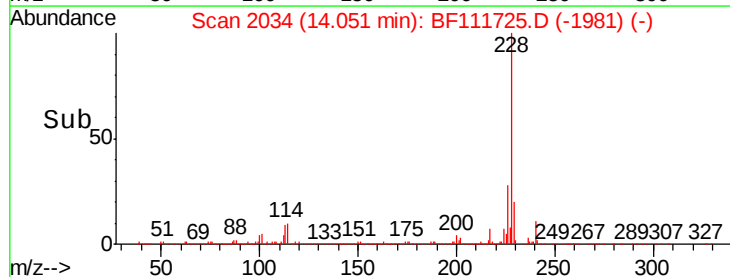
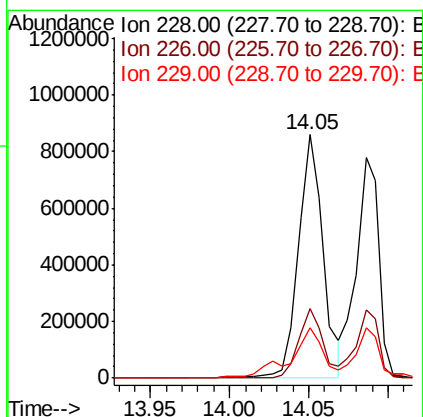
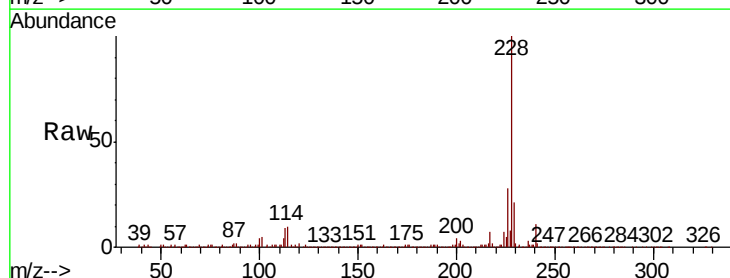
Instrument :
 BNA_F
 ClientSampleId :
 ROLLOFF-165

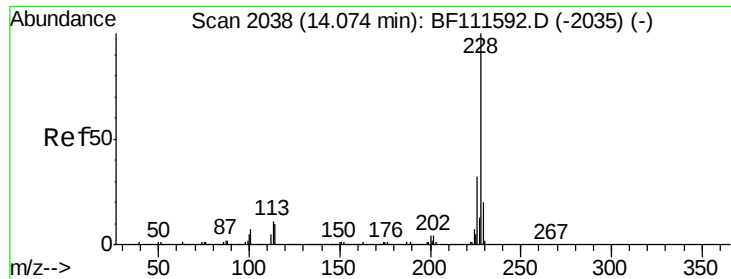
Tot Ion:244 Resp: 1069681
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.7 8.5
 122 10.2 13.1 19.7#



#81
 Benzo(a)anthracene
 Concen: 32.163 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. 0.01 min
 Lab File: BF111725.D
 Acq: 26 Dec 2018 20:36

Tgt Ion:228 Resp: 922169
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.6 34.0
 229 20.6 16.3 24.5

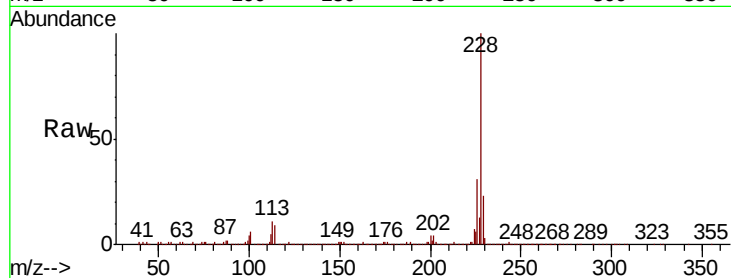




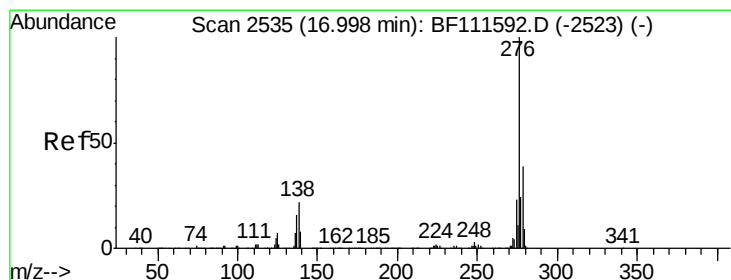
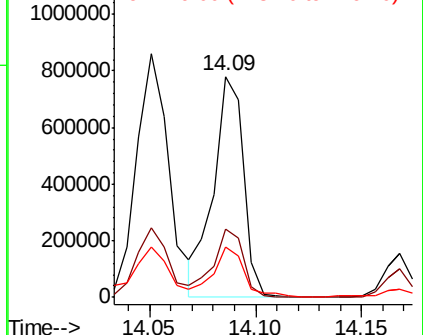
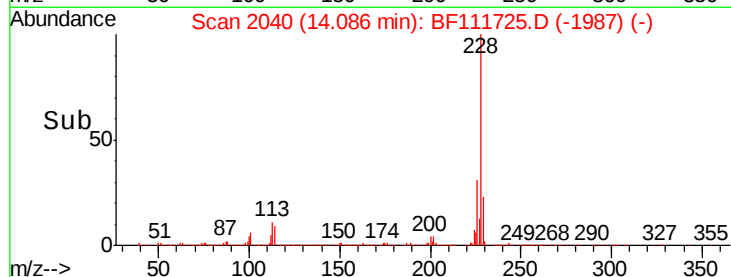
#83
Chrysene
Concen: 27.371 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

Tot Ion:228 Resp: 771318
Ion Ratio Lower Upper
228 100
226 30.8 25.3 37.9
229 23.0 17.2 25.8

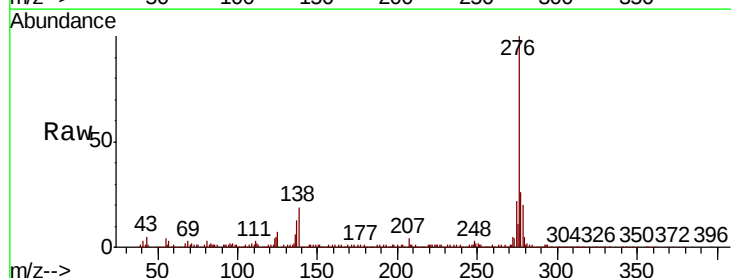


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

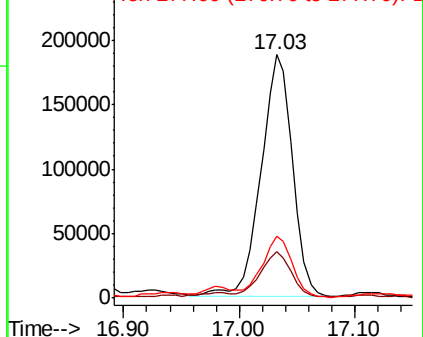
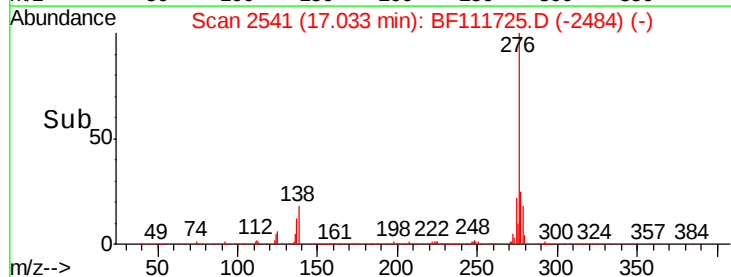


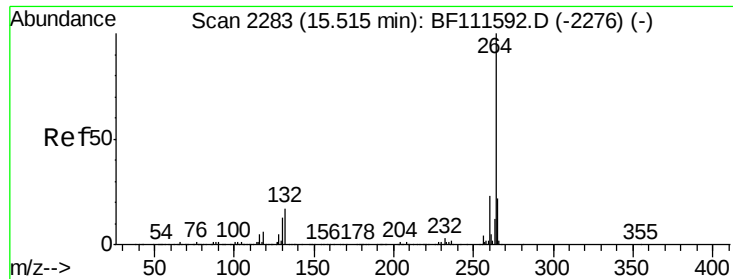
#86
Indeno(1,2,3-cd)pyrene
Concen: 14.814 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.04 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion:276 Resp: 354891
Ion Ratio Lower Upper
276 100
138 18.3 27.8 41.6#
277 24.0 20.1 30.1



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2288

Delta R.T. 0.03 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-165

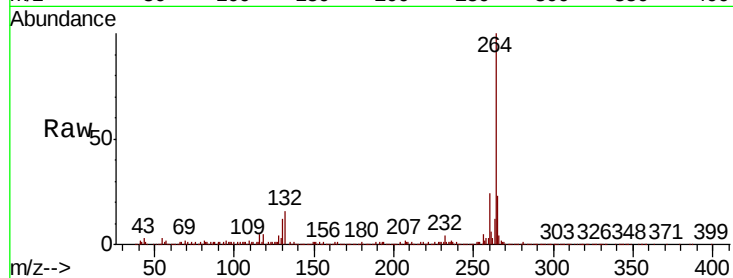
Tot Ion:264 Resp: 411247

Ion Ratio Lower Upper

264 100

260 23.9 18.3 27.5

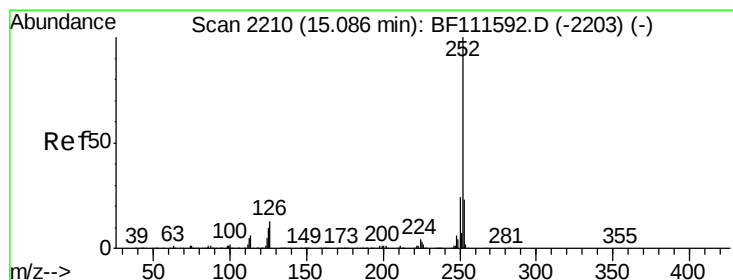
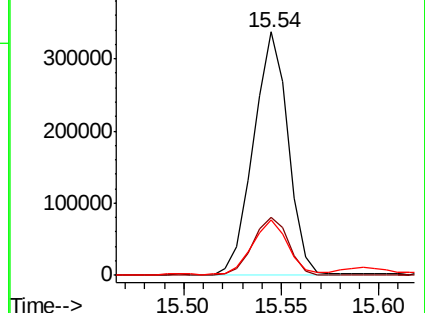
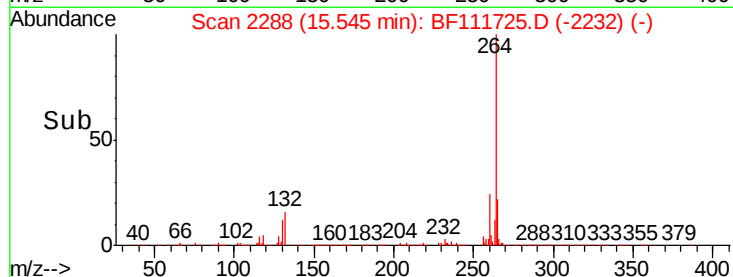
265 22.7 17.7 26.5



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: 5.207 ng

RT: 15.22 min Scan# 2232

Delta R.T. 0.13 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

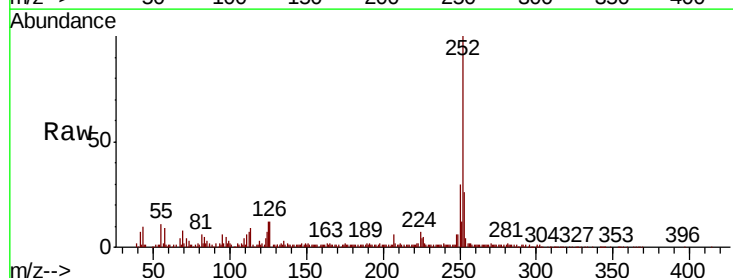
Tgt Ion:252 Resp: 125152

Ion Ratio Lower Upper

252 100

253 25.9 18.2 27.2

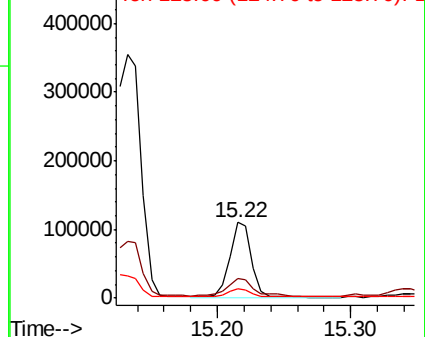
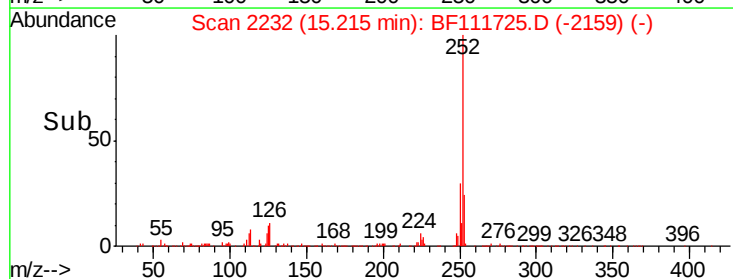
125 12.2 10.4 15.6

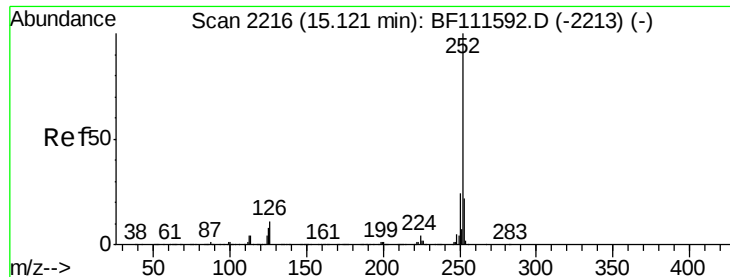


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

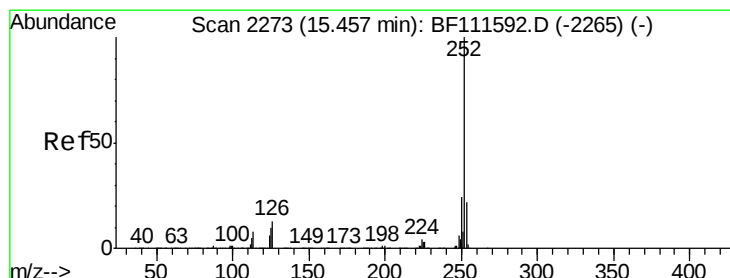
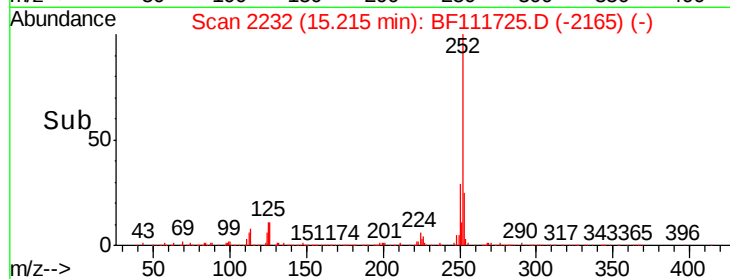
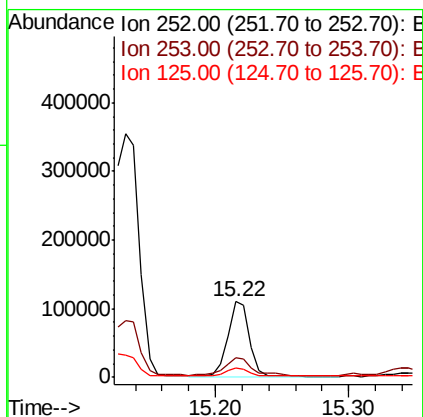
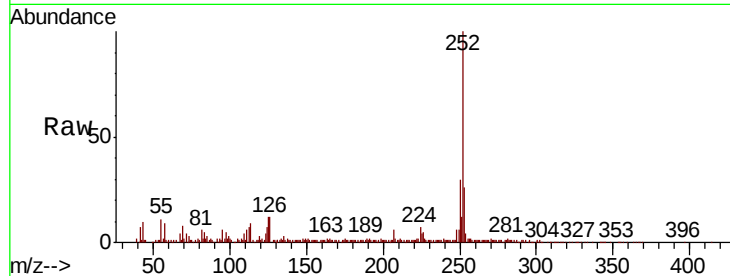




#89
Benzo(k)fluoranthene
Concen: 5.469 ng
RT: 15.22 min Scan# 2232
Delta R.T. 0.09 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

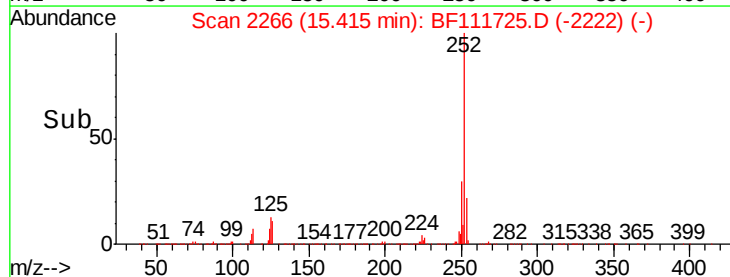
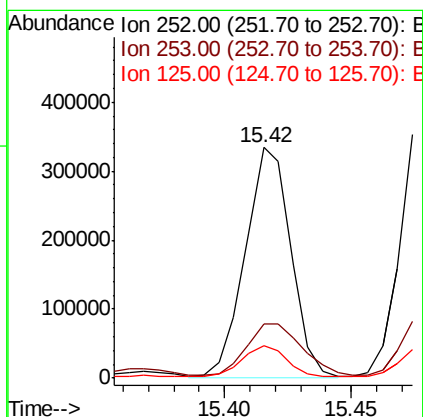
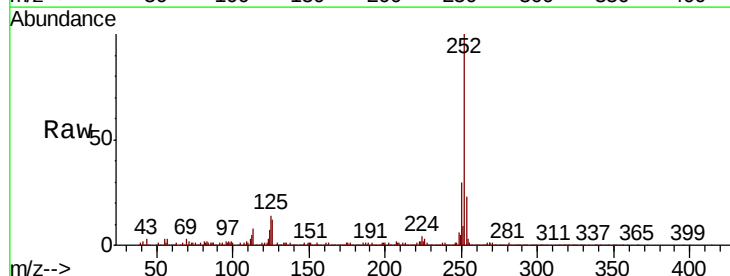
Instrument :
BNA_F
ClientSampleId :
ROLLOFF-165

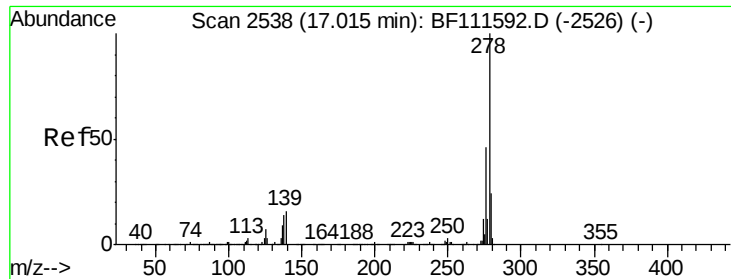
Tot Ion	Ratio	Lower	Upper
252	100		
253	25.9	18.1	27.1
125	12.2	9.8	14.8



#90
Benzo(a)pyrene
Concen: 19.164 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.04 min
Lab File: BF111725.D
Acq: 26 Dec 2018 20:36

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	13.8	12.3	18.5





#91

Dibenzo(a,h)anthracene

Concen: 4.288 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.02 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

Instrument :

BNA_F

ClientSampleId :

ROLLOFF-165

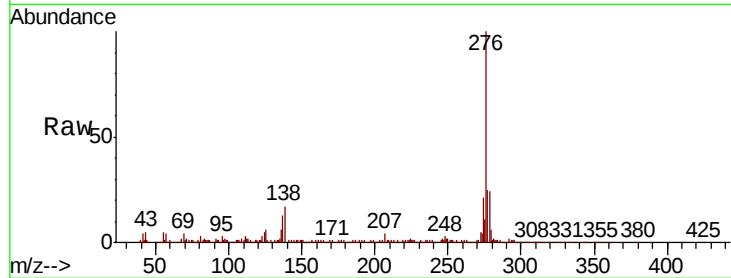
Tot Ion:278 Resp: 81996

Ion Ratio Lower Upper

278 100

139 0.0 18.2 27.4#

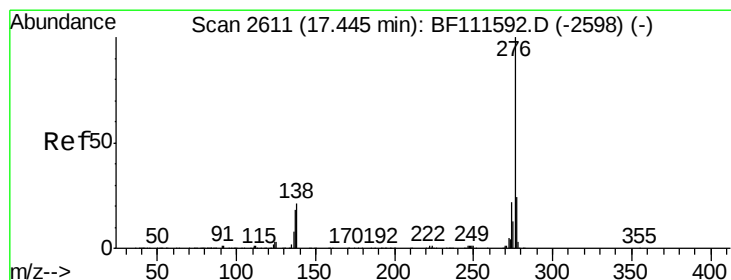
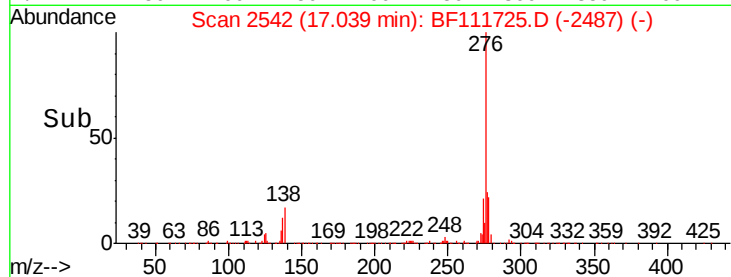
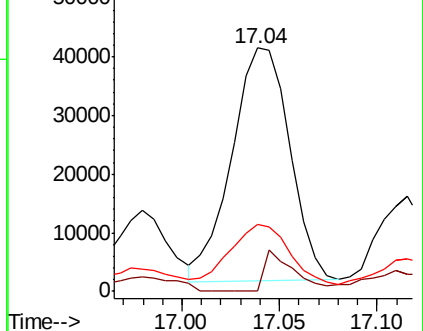
279 27.4 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 17.210 ng

RT: 17.49 min Scan# 2618

Delta R.T. 0.04 min

Lab File: BF111725.D

Acq: 26 Dec 2018 20:36

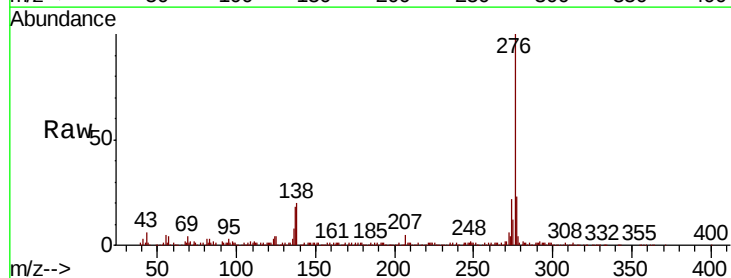
Tgt Ion:276 Resp: 321328

Ion Ratio Lower Upper

276 100

277 22.8 19.2 28.8

138 19.9 24.9 37.3#



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

