

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
 Data File : BF101492.D
 Acq On : 18 Dec 2017 20:30
 Operator : SJ/JU
 Sample : I6677-07 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-B

Quant Time: Dec 19 01:24:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 18 15:38:59 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	143979	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	527264	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	198894	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	318937	20.00	ng	0.00
75) Chrysene-d12	13.99	240	244095	20.00	ng	0.00
86) Perylene-d12	15.46	264	206786	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	228299	23.62	ng	0.00
7) Phenol-d6	6.45	99	277242	23.05	ng	0.00
23) Nitrobenzene-d5	7.37	82	138148	14.58	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	39123	20.41	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	262697	20.49	ng	0.00
78) Terphenyl-d14	12.92	244	190049	18.77	ng	0.00

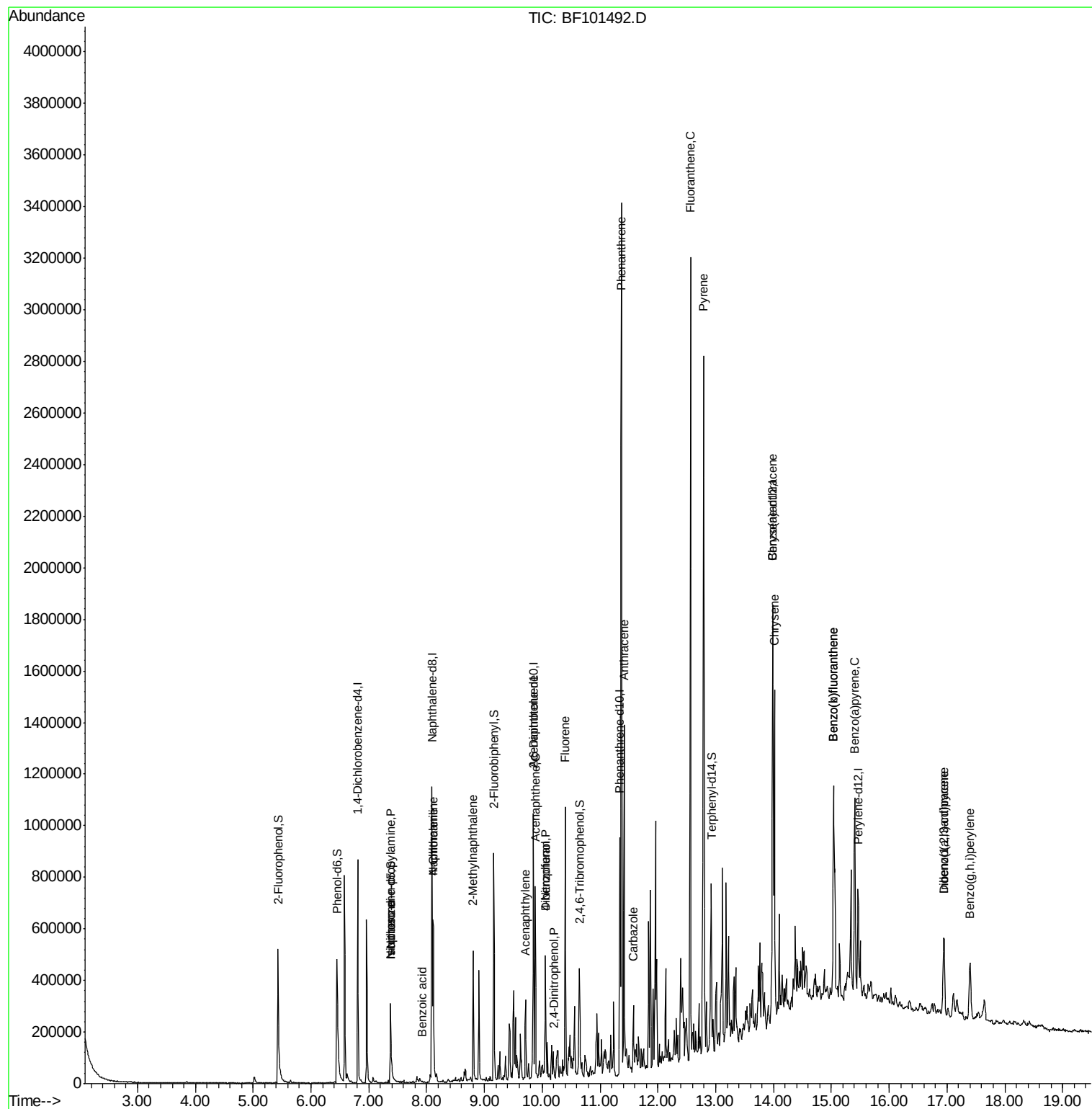
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	19457	2.46	ng	# 78
25) Isophorone	7.37	82	138148	7.27	ng	# 64
31) Naphthalene	8.12	128	302857	11.41	ng	# 98
32) Benzoic acid	7.92	122	126	7.98	ng	# 35
33) 4-Chloroaniline	8.12	127	38753	3.36	ng	# 36
37) 2-Methylnaphthalene	8.80	142	149192	8.63	ng	# 98
48) Acenaphthylene	9.71	152	102324	4.80	ng	# 97
50) 2,6-Dinitrotoluene	9.85	165	30856	9.49	ng	# 26
51) Acenaphthene	9.88	154	142516	11.13	ng	# 99
53) 2,4-Dinitrophenol	10.21	184	116	10.41	ng	# 57
54) Dibenzofuran	10.06	168	174462	10.72	ng	# 96
55) 4-Nitrophenol	10.06	139	65950	37.31	ng	# 10
57) Fluorene	10.40	166	278233	20.21	ng	# 99
70) Phenanthrene	11.37	178	1289741	72.72	ng	# 99
71) Anthracene	11.42	178	502592	27.74	ng	# 99
72) Carbazole	11.57	167	87514	5.16	ng	# 99
74) Fluoranthene	12.56	202	1341928	72.08	ng	# 98
77) Pyrene	12.79	202	1264558	69.03	ng	# 100
80) Benzo(a)anthracene	13.98	228	611648	37.95	ng	# 98
82) Chrysene	14.02	228	507515	33.35	ng	# 97
85) Indeno(1,2,3-cd)pyrene	16.95	276	193404	14.27	ng	# 90
87) Benzo(b)fluoranthene	15.04	252	653064	51.81	ng	# 96
88) Benzo(k)fluoranthene	15.04	252	652859	53.27	ng	# 99
89) Benzo(a)pyrene	15.40	252	372575	32.07	ng	# 98
90) Dibenzo(a,h)anthracene	16.94	278	47510	4.76	ng	# 69
91) Benzo(g,h,i)perylene	17.40	276	185594	18.79	ng	# 96

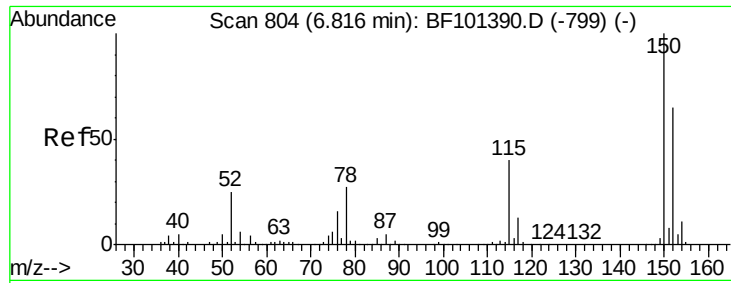
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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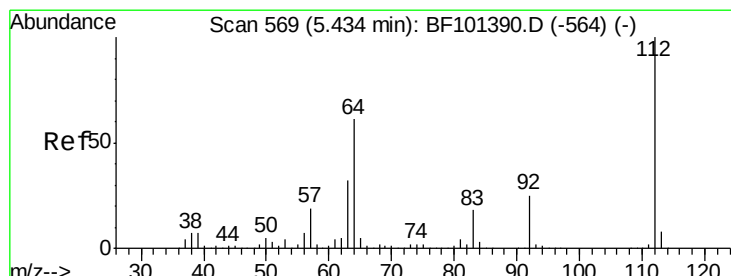
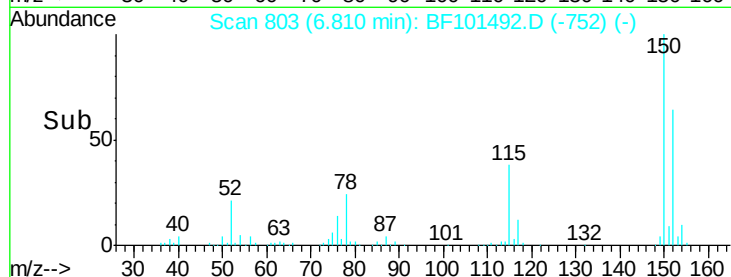
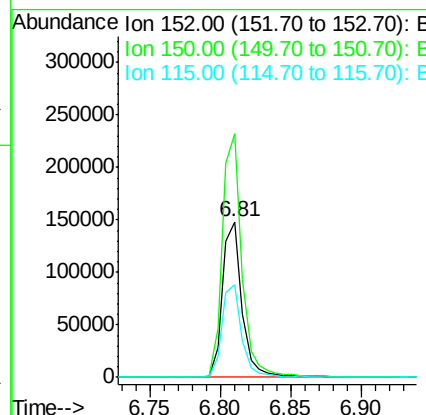
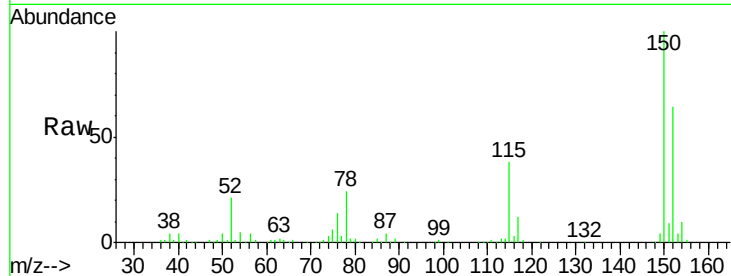




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.00 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

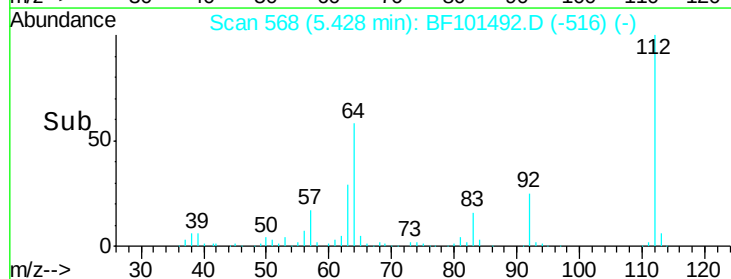
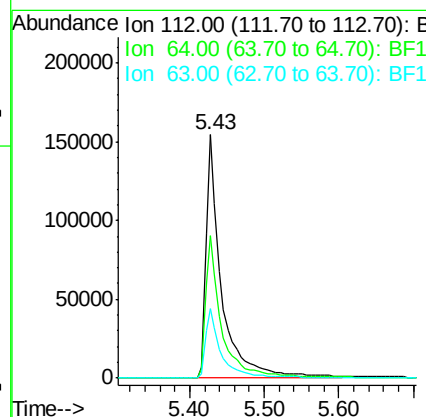
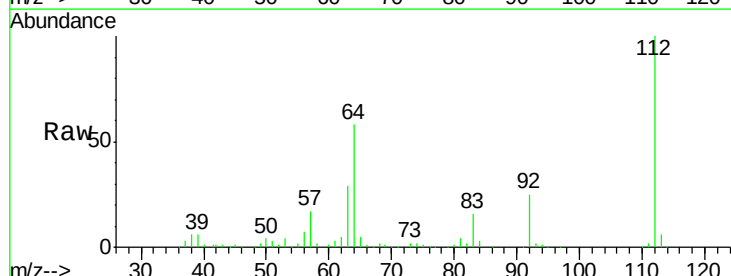
Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-B

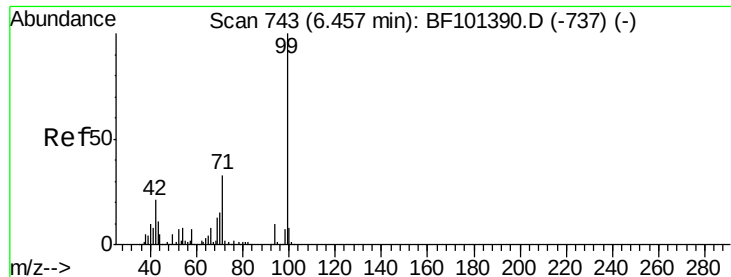
Tot Ion:152 Resp: 143979
 Ion Ratio Lower Upper
 152 100
 150 156.3 124.6 186.8
 115 59.3 50.1 75.1



#5
 2-Fluorophenol
 Concen: 23.62 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

Tgt Ion:112 Resp: 228299
 Ion Ratio Lower Upper
 112 100
 64 58.4 47.9 71.9
 63 28.8 23.7 35.5





#7

Phenol-d6

Concen: 23.05 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.00 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

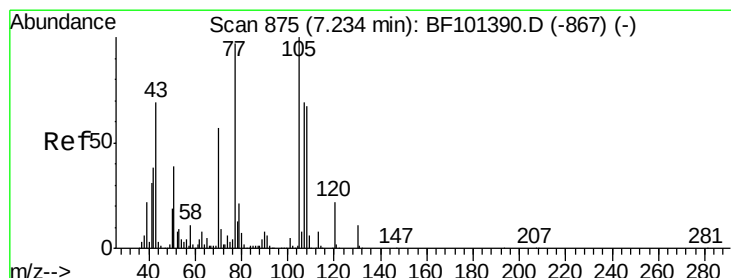
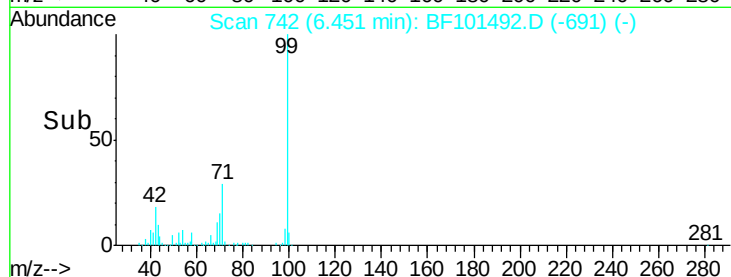
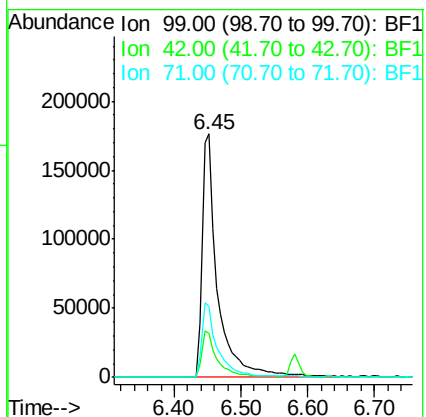
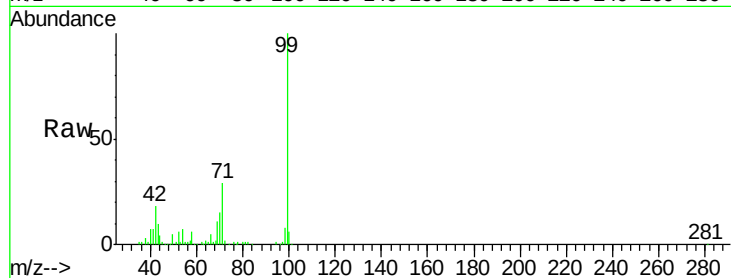
Tot Ion: 99 Resp: 277242

Ion Ratio Lower Upper

99 100

42 17.9 14.5 21.7

71 29.1 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.46 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Tgt Ion: 70 Resp: 19457

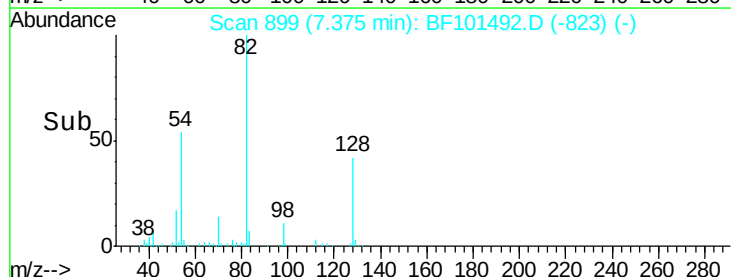
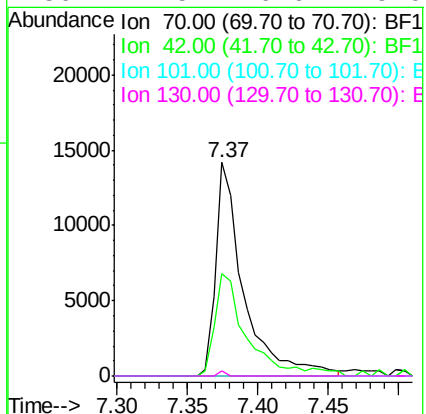
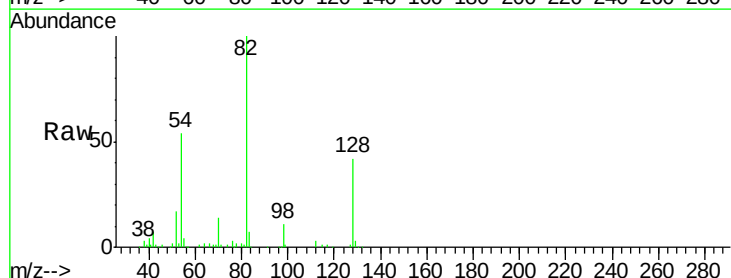
Ion Ratio Lower Upper

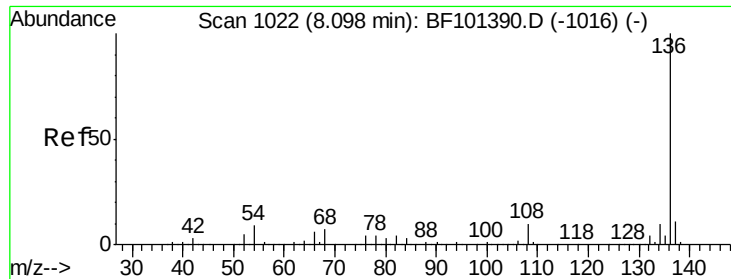
70 100

42 48.1 47.5 71.3

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

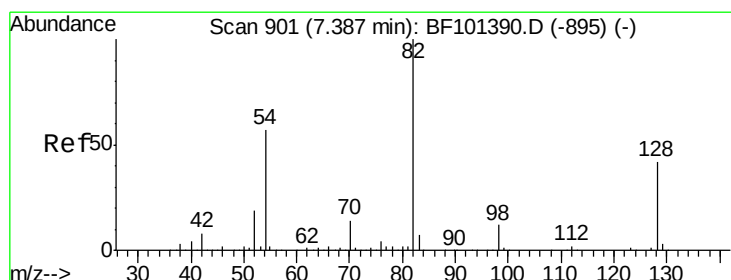
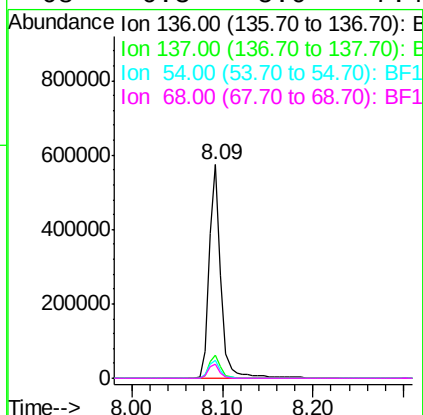
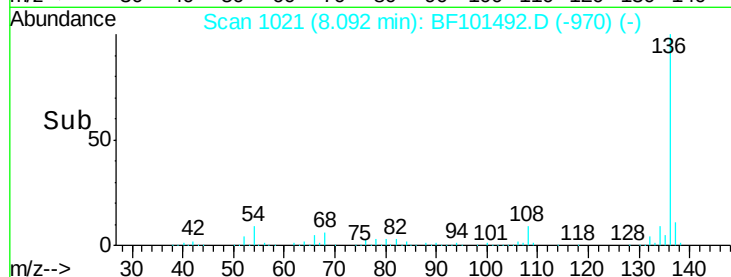
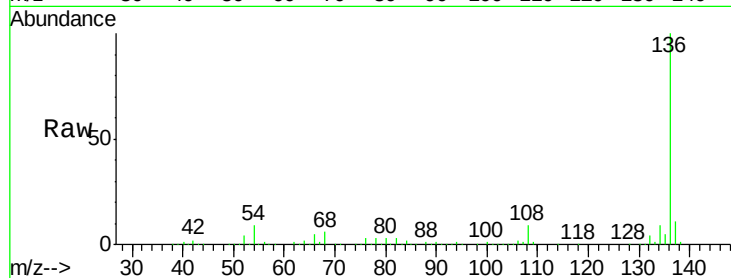




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

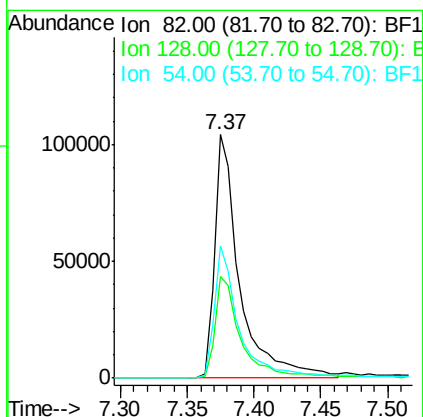
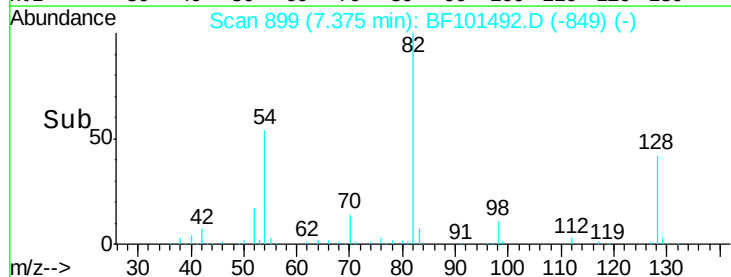
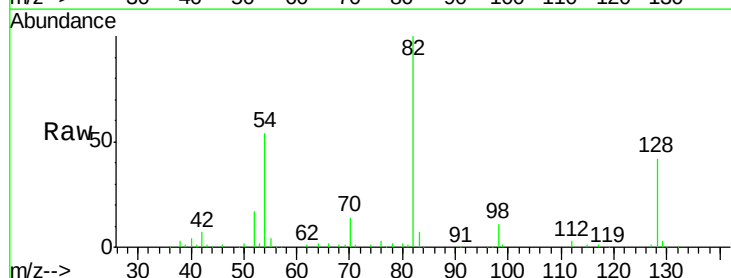
Instrument :
BNA_F
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OR-01-121517-B

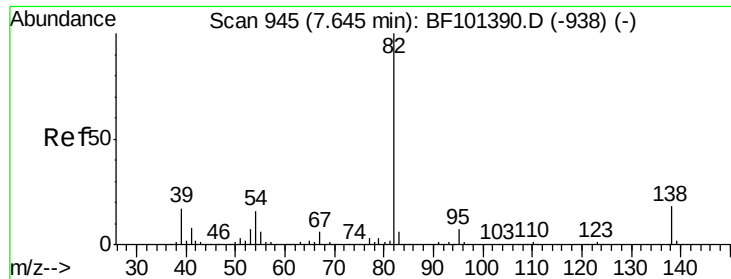
Tot Ion:	136	Resp:	527264
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.7	6.6	9.8
68	6.3	5.0	7.4



#23
Nitrobenzene-d5
Concen: 14.58 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Tgt Ion:	82	Resp:	138148
Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	54.1	41.4	62.2





#25

Isophorone

Concen: 7.27 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

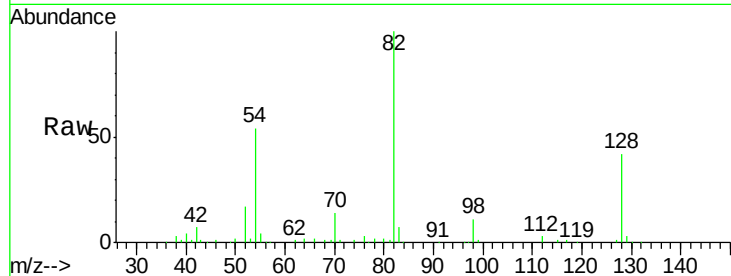
Tot Ion: 82 Resp: 138148

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

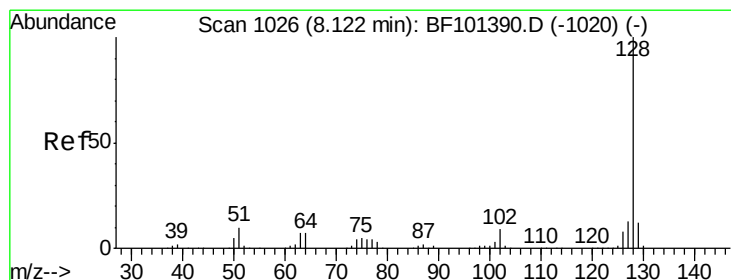
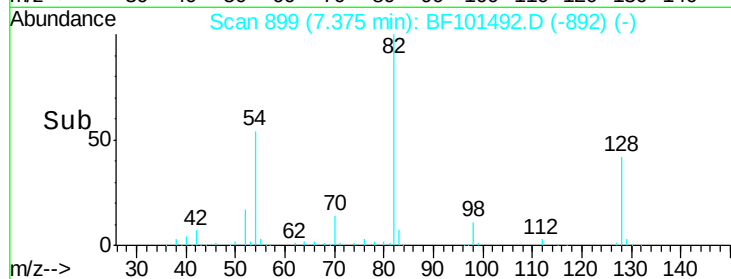
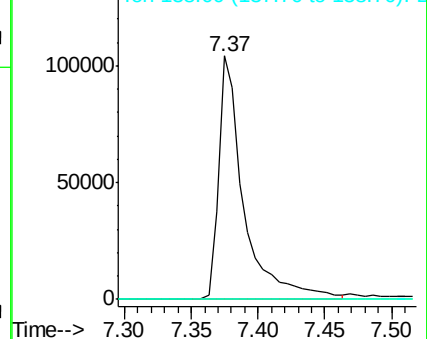
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 11.41 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.00 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

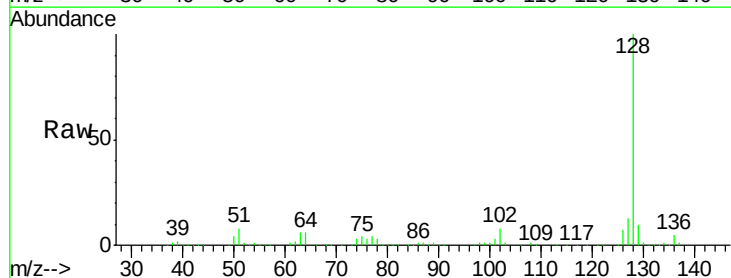
Tgt Ion: 128 Resp: 302857

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

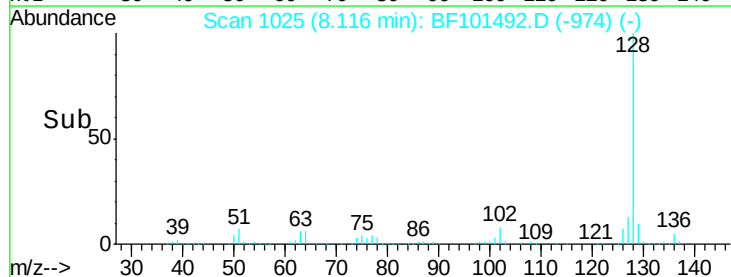
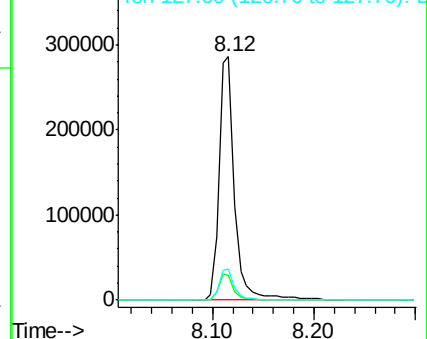
127 13.0 10.9 16.3

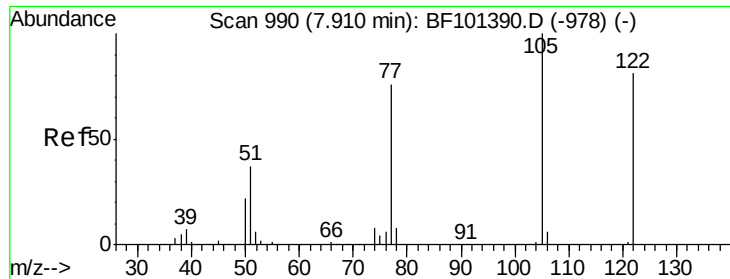


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

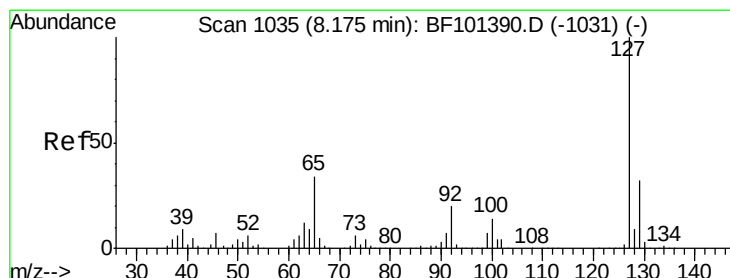
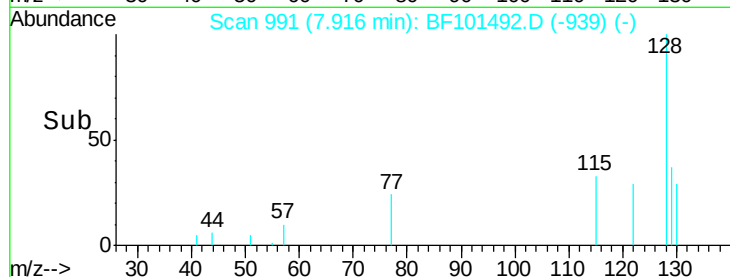
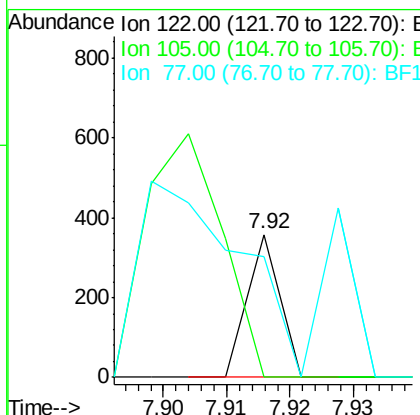
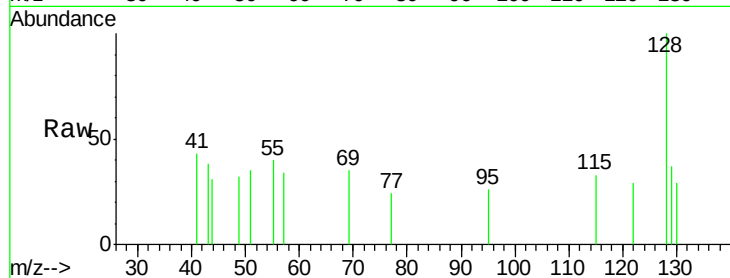




#32
Benzoic acid
Concen: 7.98 ng
RT: 7.92 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

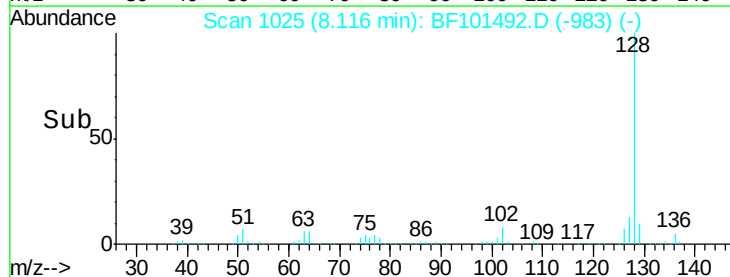
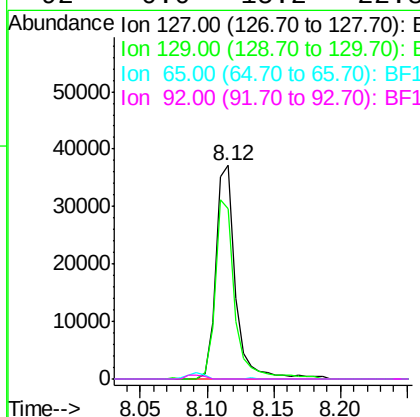
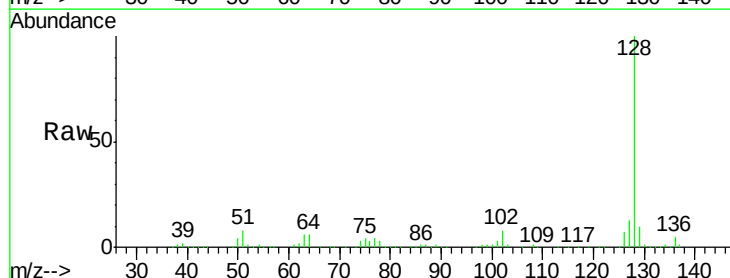
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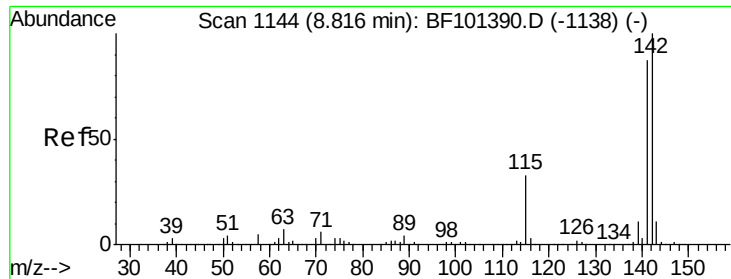
Tot Ion:122 Resp: 126
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 84.6 70.7 110.7



#33
4-Chloroaniline
Concen: 3.36 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Tgt Ion:127 Resp: 38753
Ion Ratio Lower Upper
127 100
129 79.4 25.9 38.9#
65 0.0 25.0 37.4#
92 0.0 15.2 22.8#

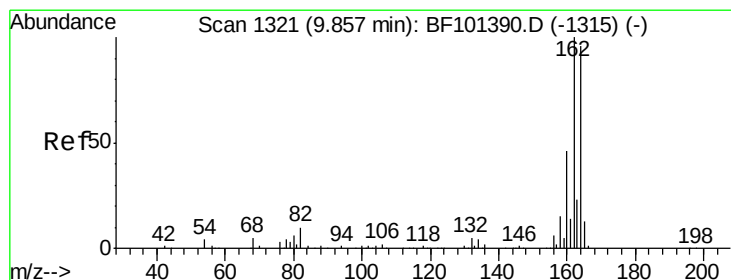
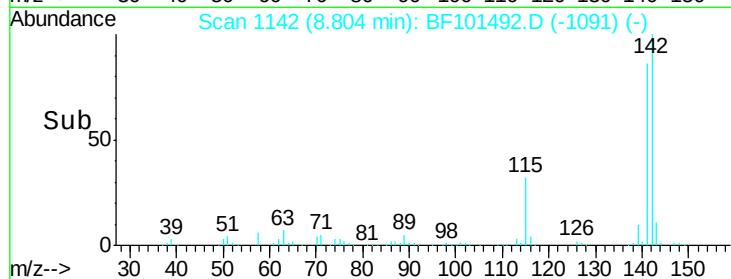
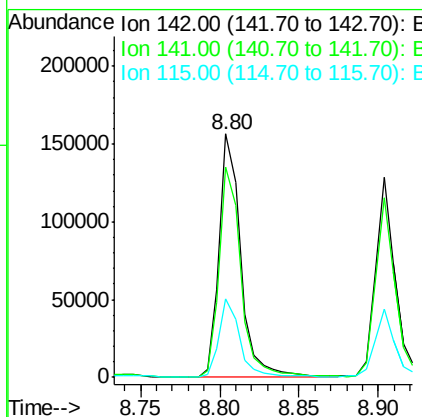
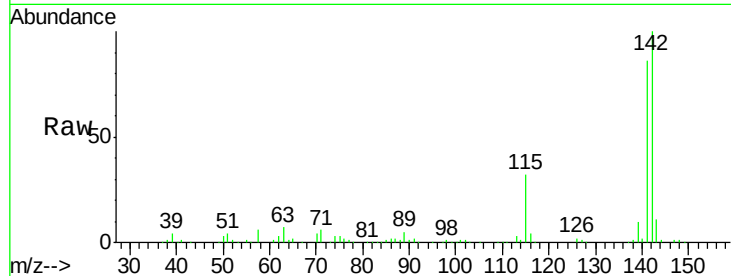




#37
2-Methylnaphthalene
Concen: 8.63 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

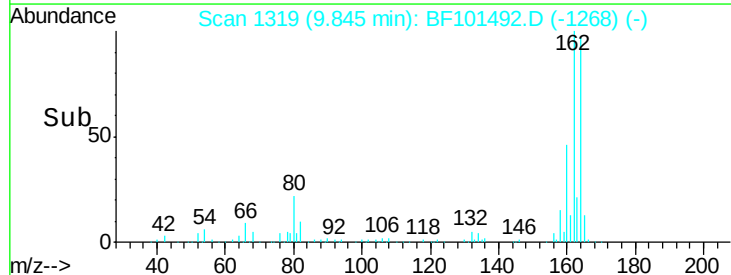
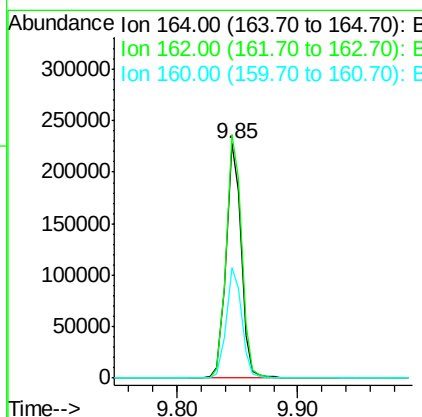
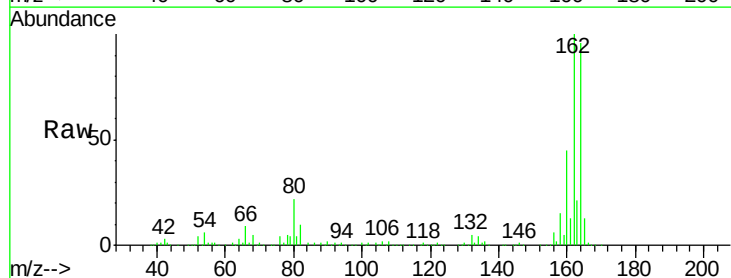
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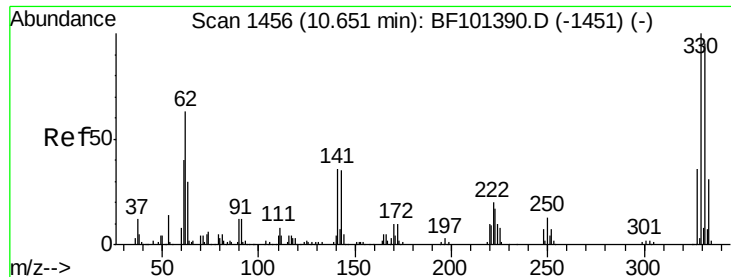
Tot Ion:142 Resp: 149192
Ion Ratio Lower Upper
142 100
141 86.2 70.8 106.2
115 32.4 26.1 39.1



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Tgt Ion:164 Resp: 198894
Ion Ratio Lower Upper
164 100
162 104.0 86.1 129.1
160 47.3 38.3 57.5

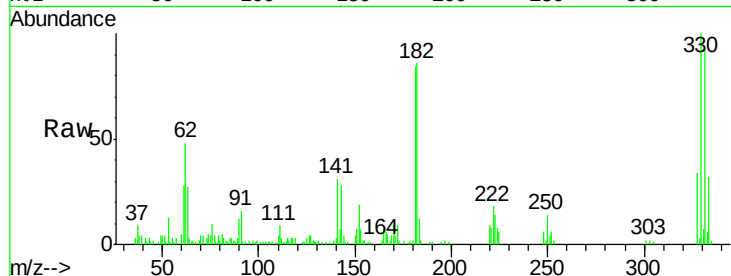




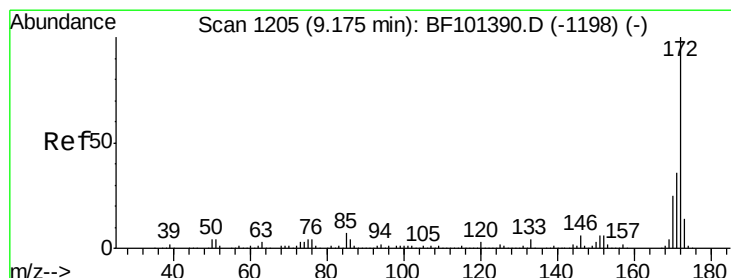
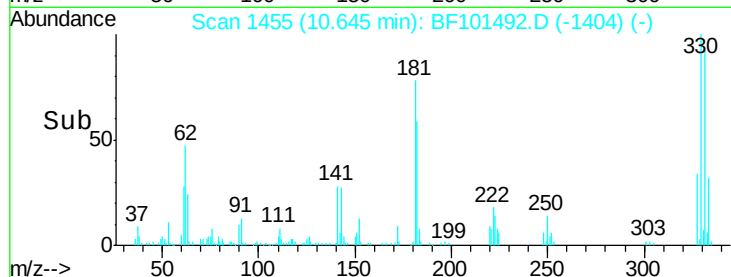
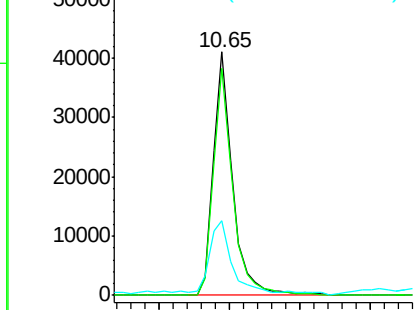
#41
 2,4,6-Tribromophenol
 Concen: 20.41 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.00 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-B

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.0	77.0	115.6
141	32.7	29.9	44.9

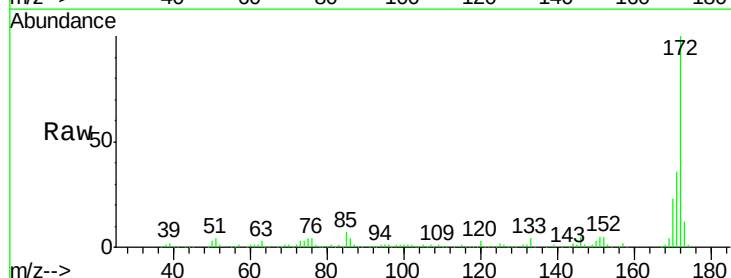


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

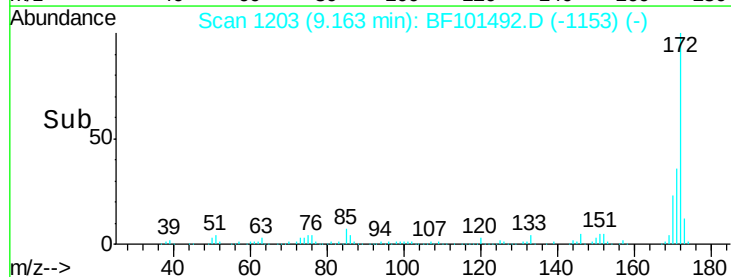
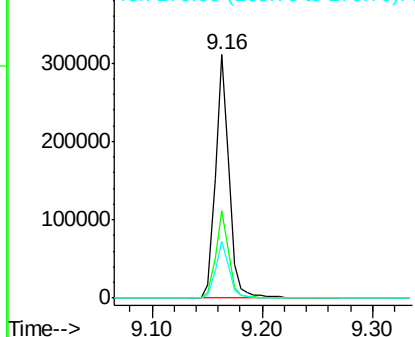


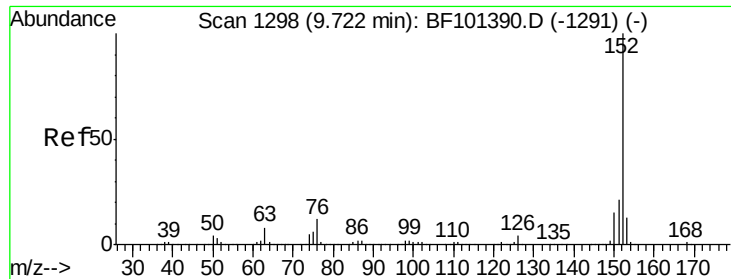
#44
 2-Fluorobiphenyl
 Concen: 20.49 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.4	19.6	29.4



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





#48

Acenaphthylene

Concen: 4.80 ng

RT: 9.71 min Scan# 1296

Delta R.T. -0.00 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

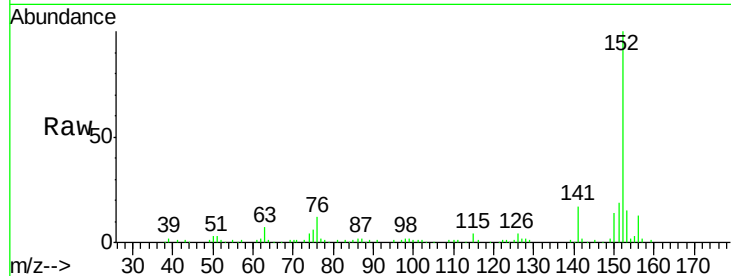
Tot Ion:152 Resp: 102324

Ion Ratio Lower Upper

152 100

151 19.4 16.3 24.5

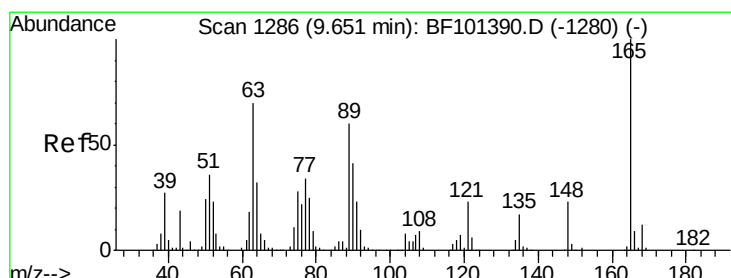
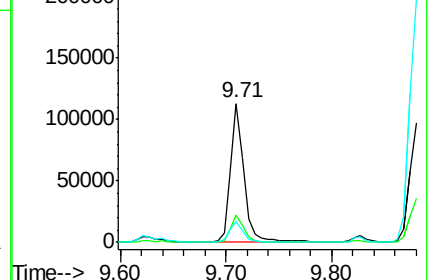
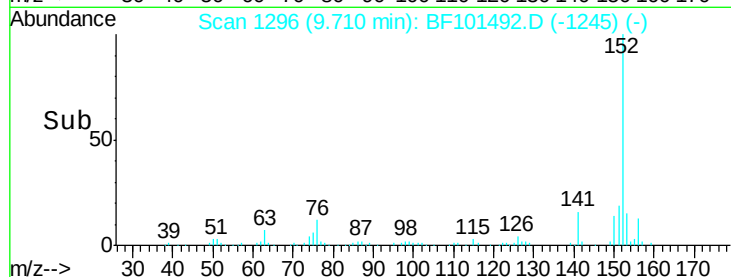
153 14.7 10.7 16.1



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

2,6-Dinitrotoluene

Concen: 9.49 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.20 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

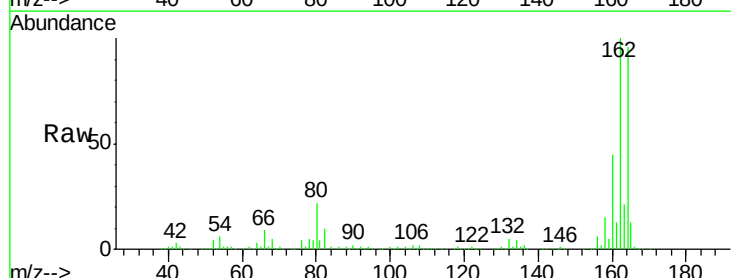
Tgt Ion:165 Resp: 30856

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

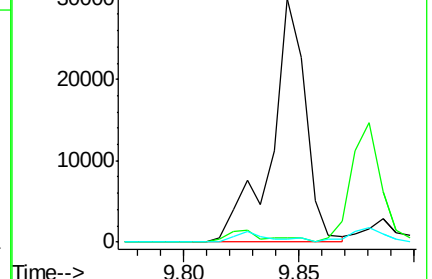
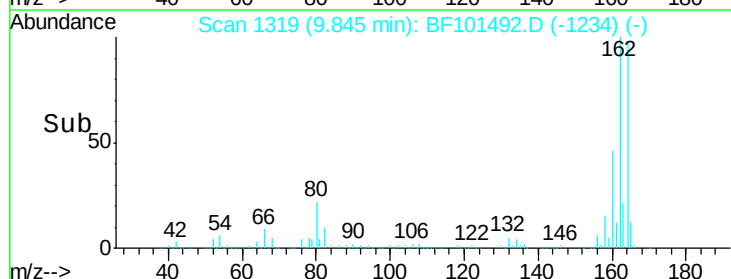
89 1.5 44.0 66.0#

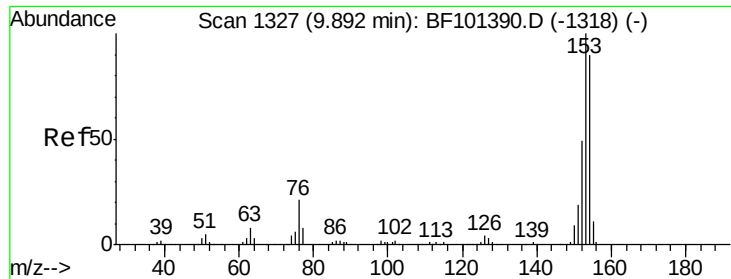


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1





#51

Acenaphthene

Concen: 11.13 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.00 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

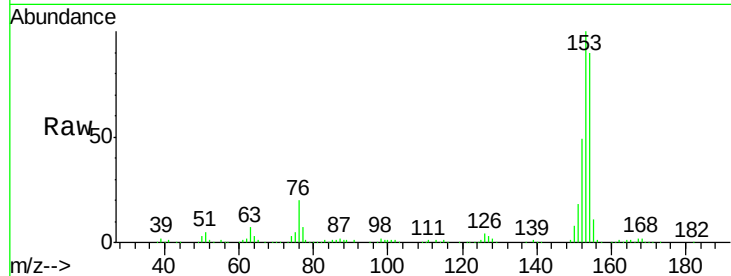
Tot Ion:154 Resp: 142516

Ion Ratio Lower Upper

154 100

153 111.7 91.2 136.8

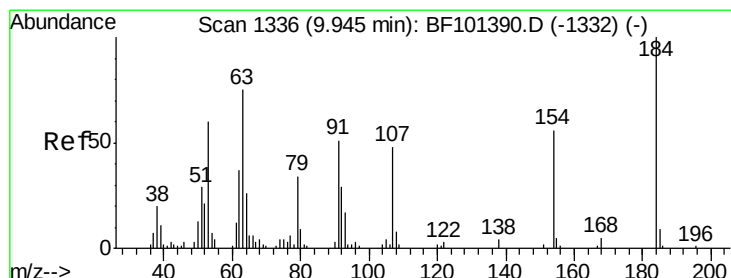
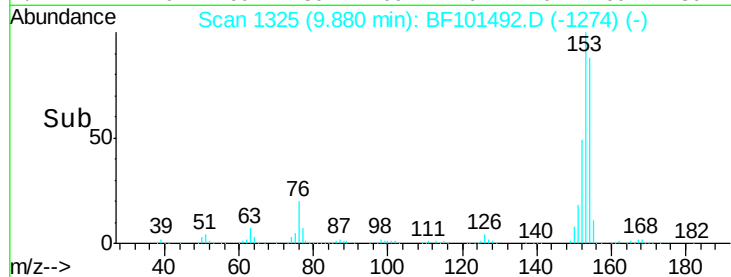
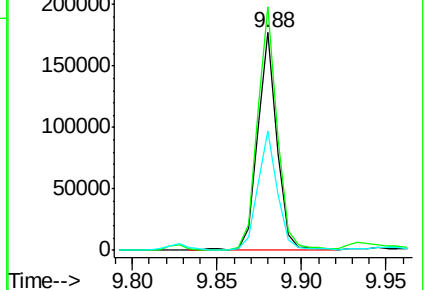
152 54.7 43.8 65.8



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



#53

2,4-Dinitrophenol

Concen: 10.41 ng

RT: 10.21 min Scan# 1381

Delta R.T. 0.27 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

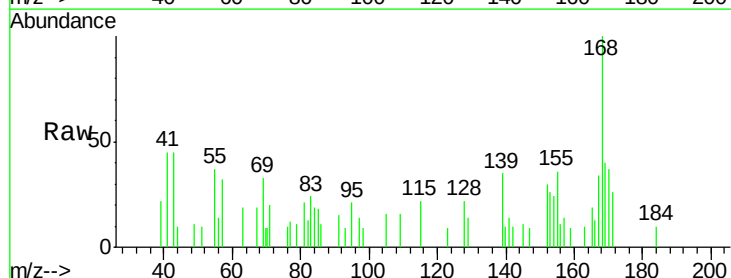
Tgt Ion:184 Resp: 116

Ion Ratio Lower Upper

184 100

63 195.7 54.2 81.2#

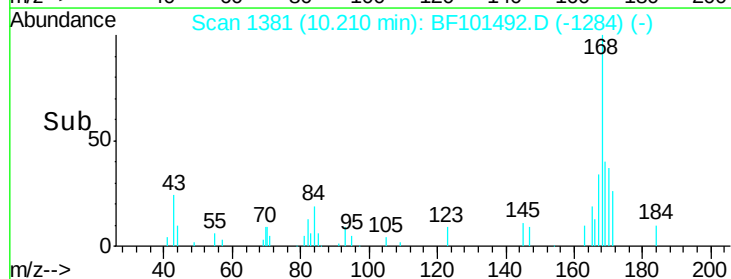
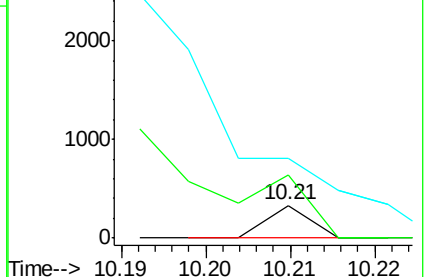
154 245.3 184.0 276.0

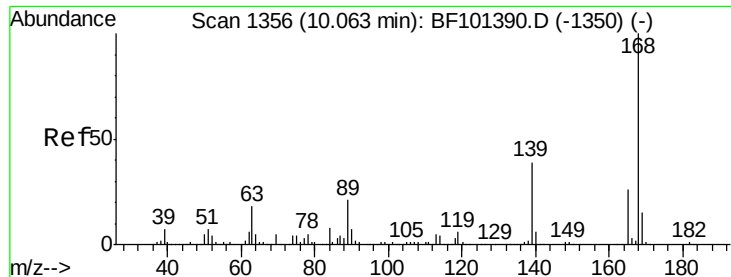


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 10.72 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.01 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

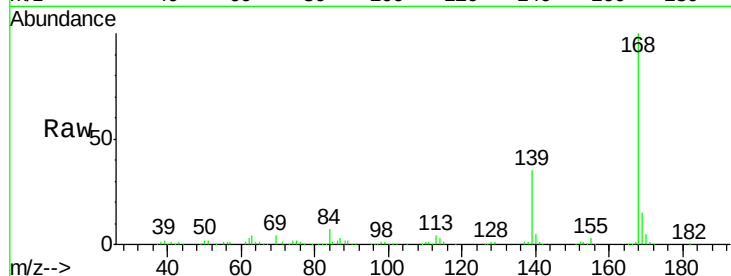
Tot Ion:168 Resp: 174462

Ion Ratio Lower Upper

168 100

139 34.9 30.1 45.1

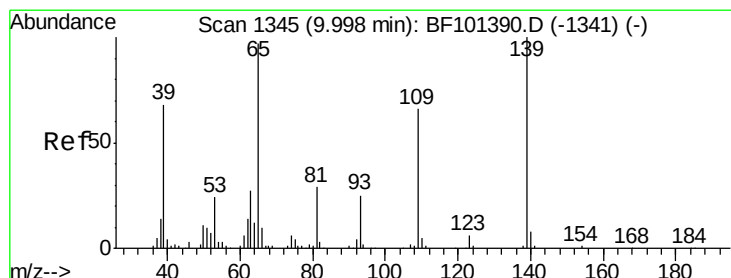
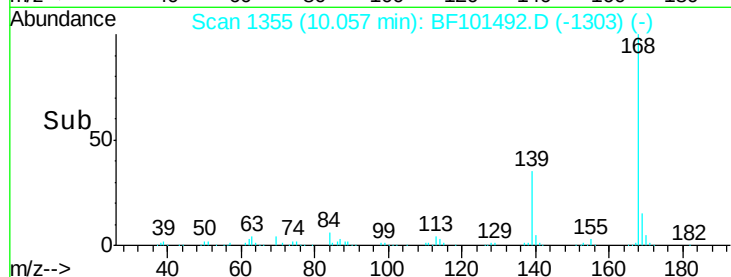
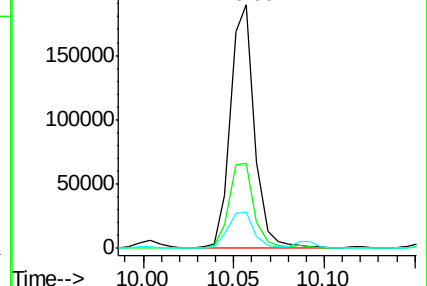
169 14.7 10.9 16.3



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



#55

4-Nitrophenol

Concen: 37.31 ng

RT: 10.06 min Scan# 1355

Delta R.T. 0.06 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

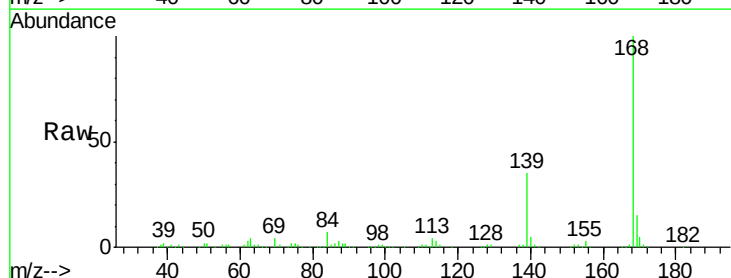
Tgt Ion:139 Resp: 65950

Ion Ratio Lower Upper

139 100

109 1.0 48.4 88.4#

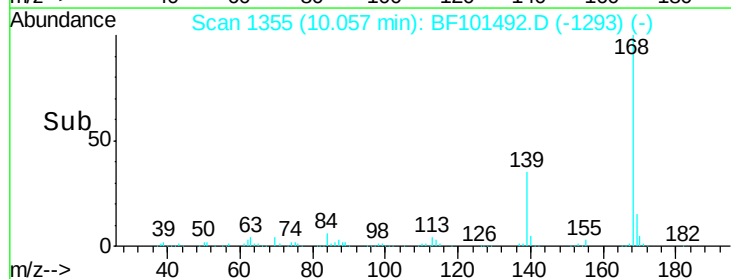
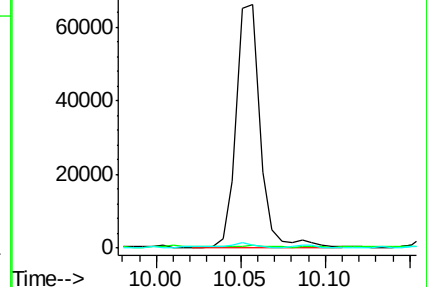
65 1.5 72.6 112.6#

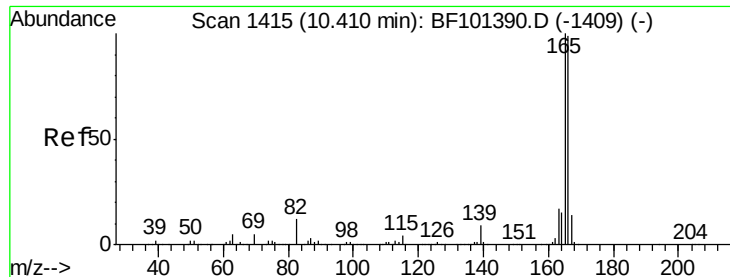


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

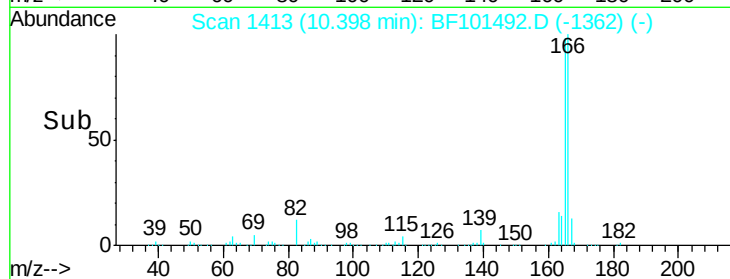
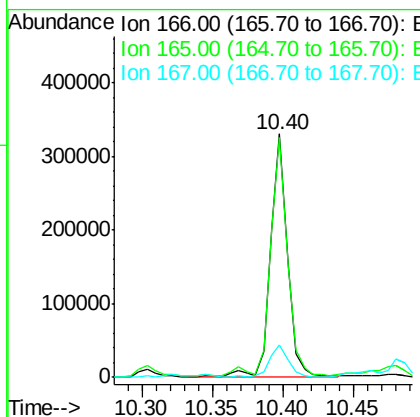
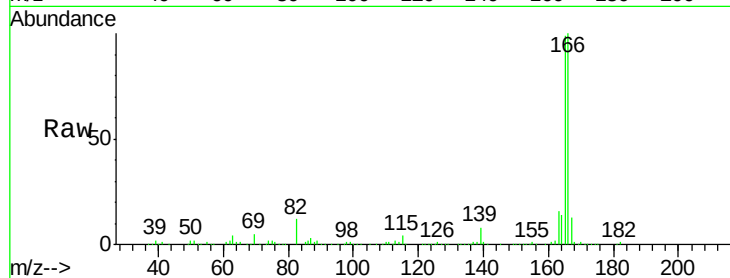




#57
 Fluorene
 Concen: 20.21 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.00 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

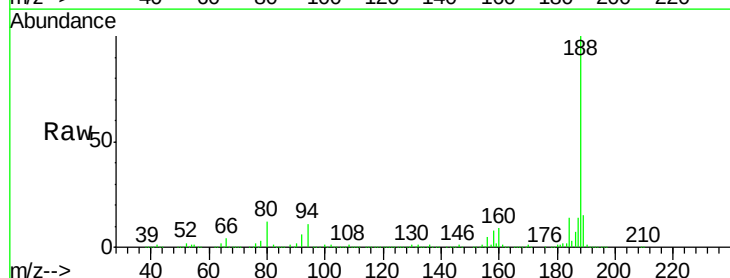
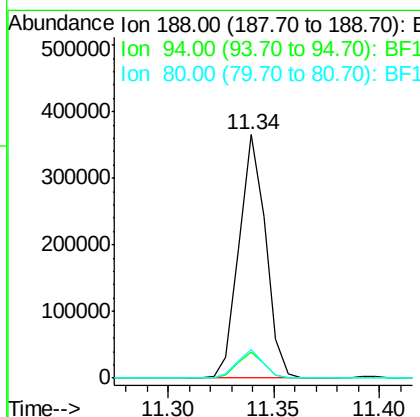
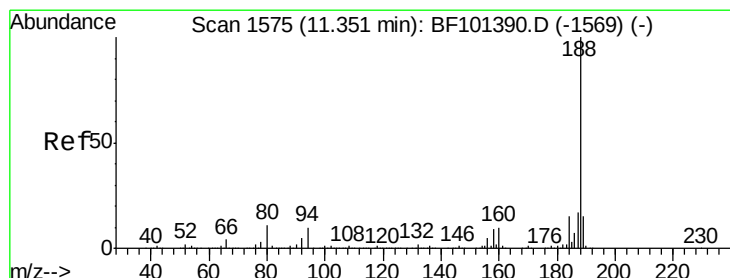
Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-B

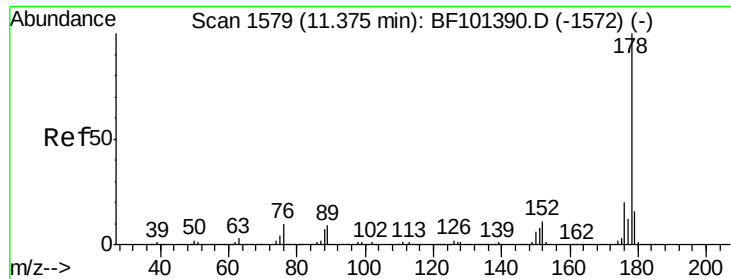
Tot Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.8	119.8
167	13.5	10.6	16.0



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.6	8.5	12.7
80	11.5	9.2	13.8

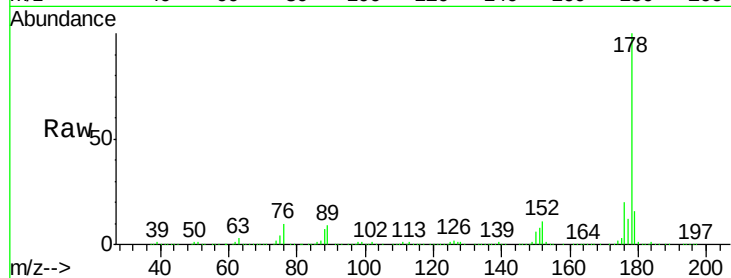




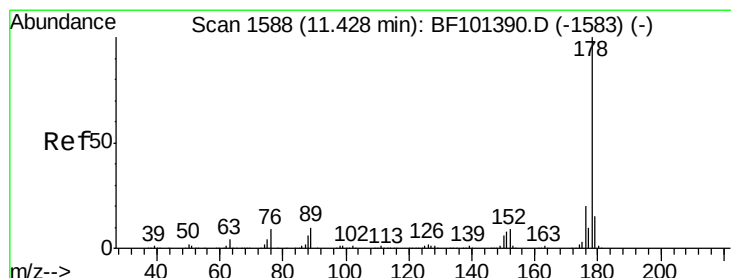
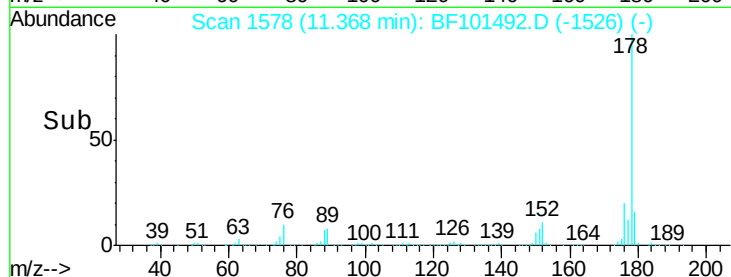
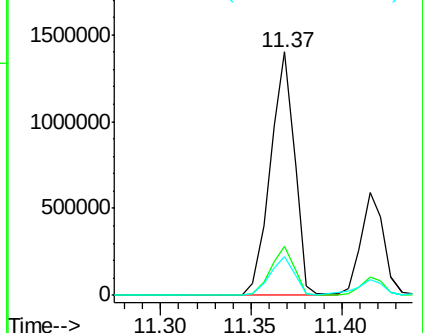
#70
Phenanthrene
Concen: 72.72 ng
RT: 11.37 min Scan# 1578
Delta R.T. 0.01 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Instrument :
BNA_F
ClientSampleId :
OR-01-121517-B

Tot Ion:178 Resp: 1289741
Ion Ratio Lower Upper
178 100
176 20.1 15.8 23.8
179 15.9 13.0 19.6

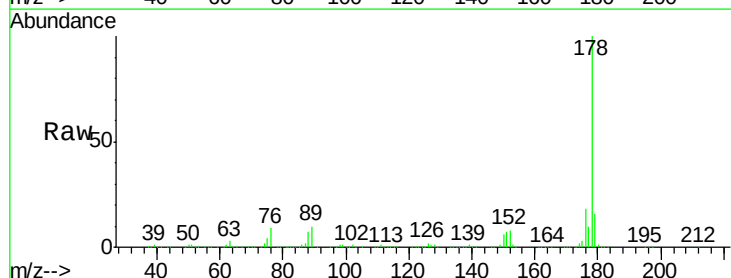


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

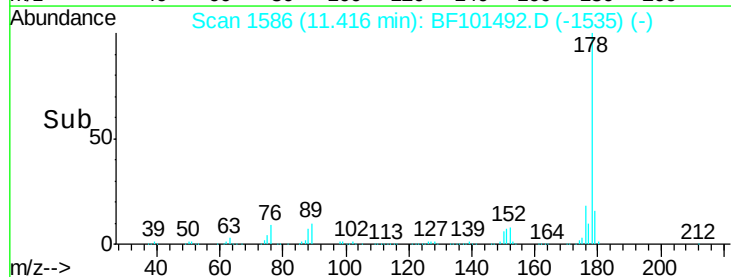
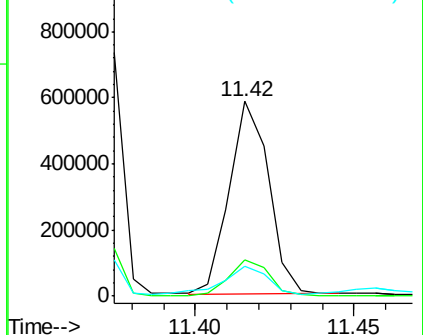


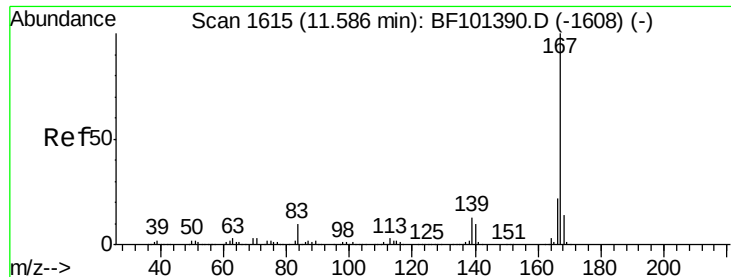
#71
Anthracene
Concen: 27.74 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Tgt Ion:178 Resp: 502592
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.2
179 15.7 12.6 19.0



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

Carbazole

Concen: 5.16 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.00 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

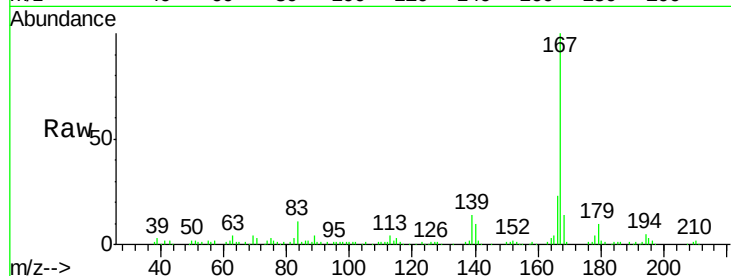
Tot Ion:167 Resp: 87514

Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

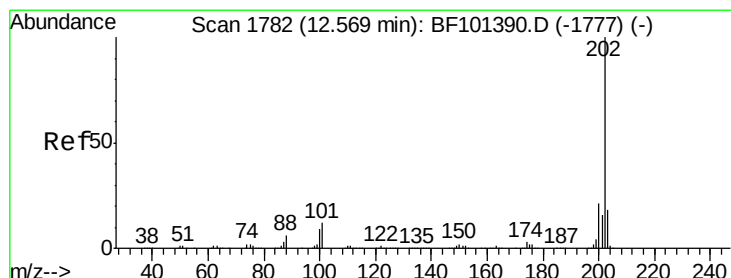
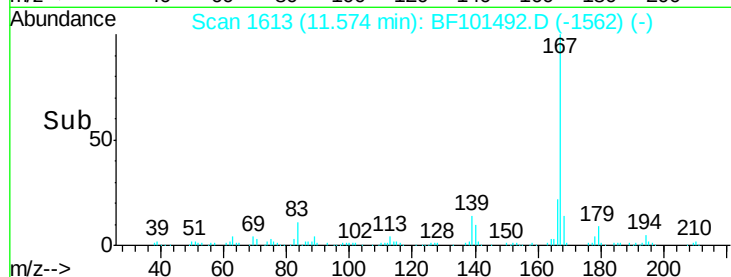
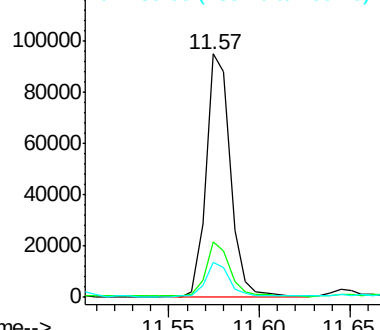
139 14.1 10.9 16.3



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



#74

Fluoranthene

Concen: 72.08 ng

RT: 12.56 min Scan# 1781

Delta R.T. 0.01 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

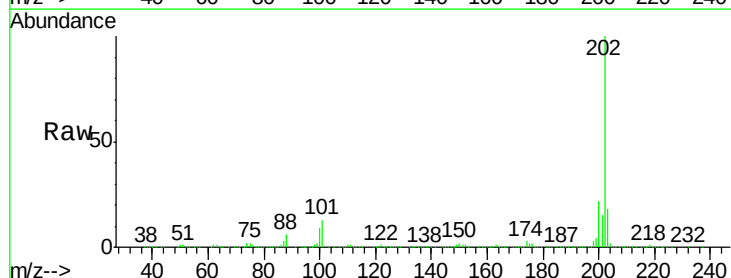
Tgt Ion:202 Resp: 1341928

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

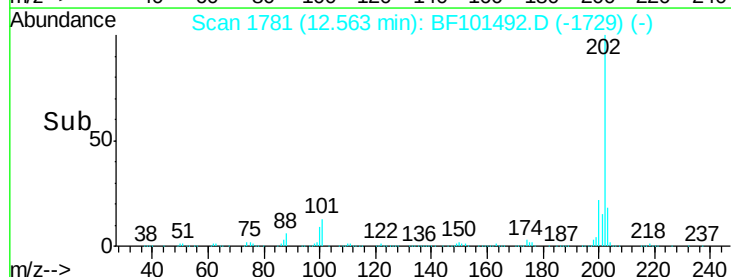
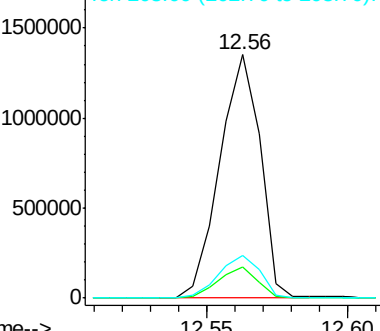
203 17.7 0.0 38.1

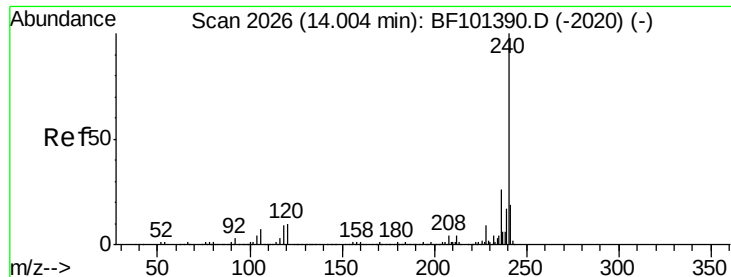


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

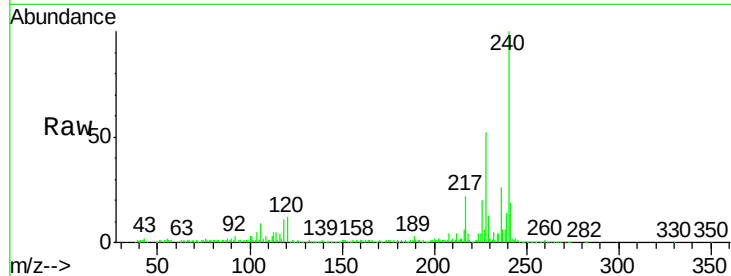
Tot Ion:240 Resp: 244095

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

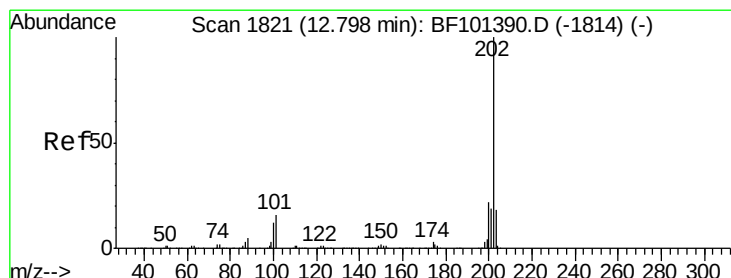
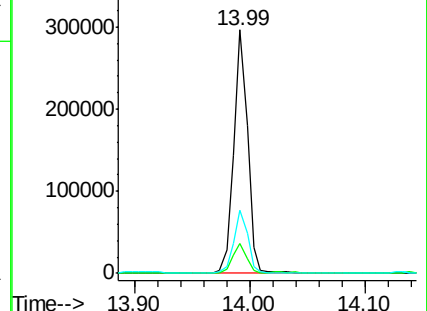
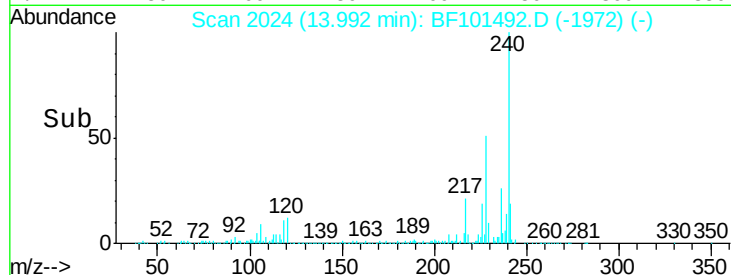
236 26.2 20.7 31.1



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



#77

Pyrene

Concen: 69.03 ng

RT: 12.79 min Scan# 1820

Delta R.T. 0.01 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

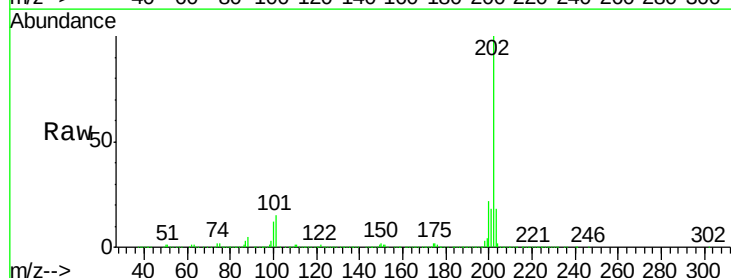
Tgt Ion:202 Resp: 1264558

Ion Ratio Lower Upper

202 100

200 21.9 17.4 26.2

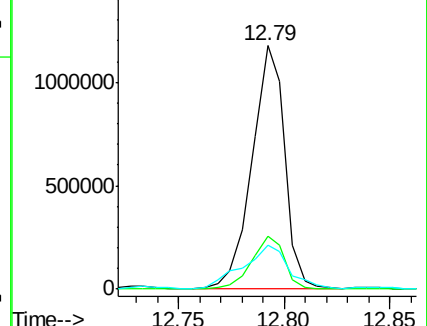
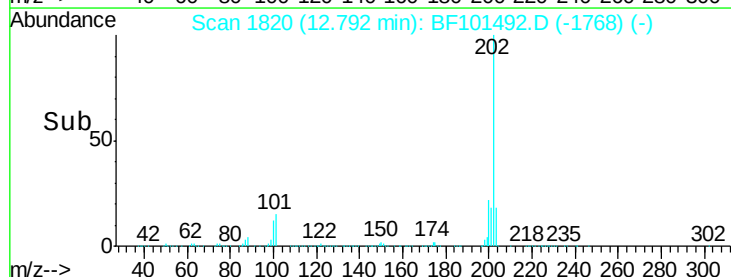
203 18.1 14.3 21.5

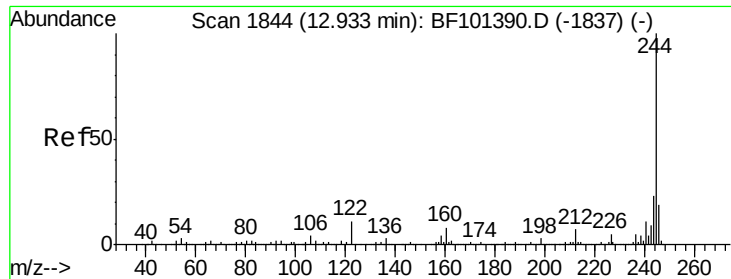


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

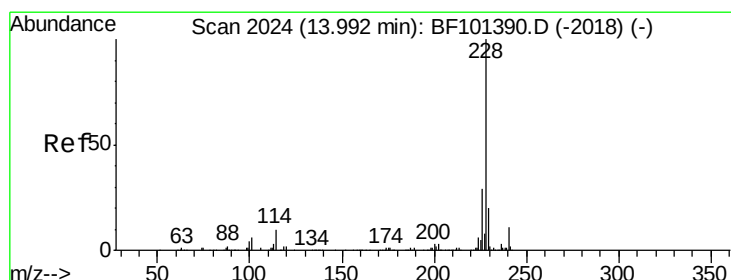
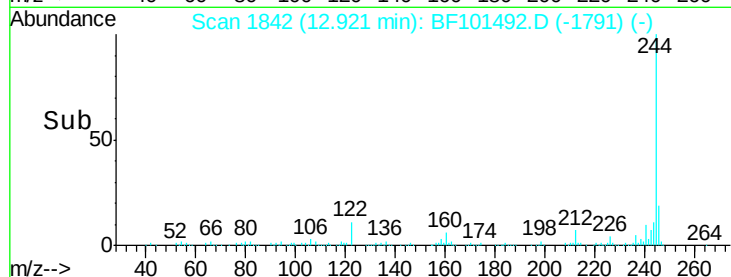
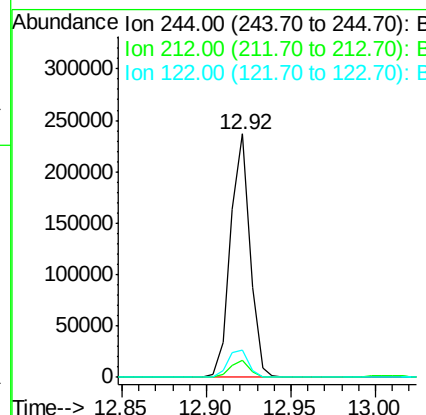
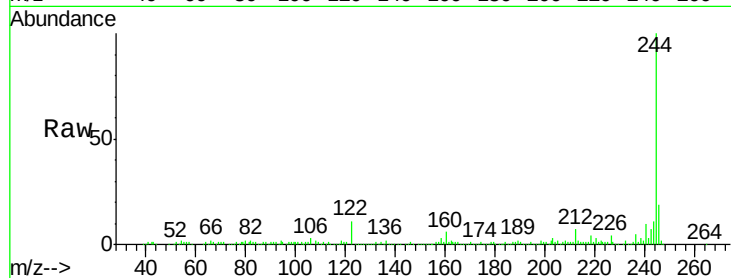




#78
 Terphenyl-d14
 Concen: 18.77 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

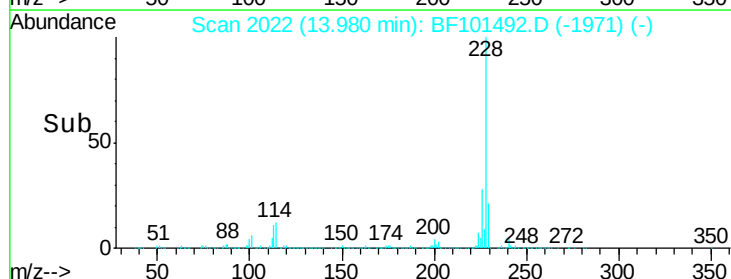
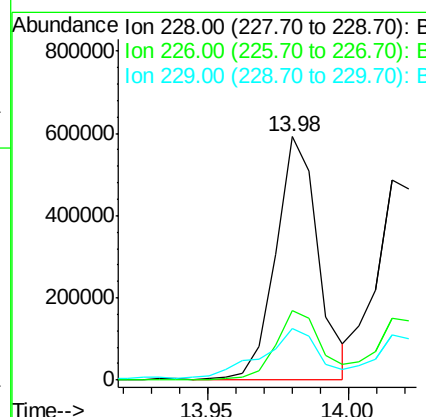
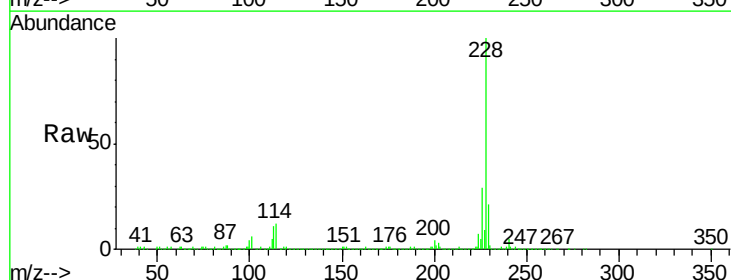
Instrument :
 BNA_F
 ClientSampleId :
 OR-01-121517-B

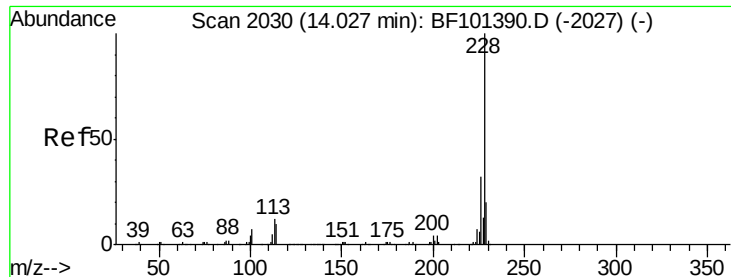
Tot Ion:244 Resp: 190049
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.2 11.0 16.4



#80
 Benzo(a)anthracene
 Concen: 37.95 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.00 min
 Lab File: BF101492.D
 Acq: 18 Dec 2017 20:30

Tgt Ion:228 Resp: 611648
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.6 33.8
 229 21.3 15.8 23.6

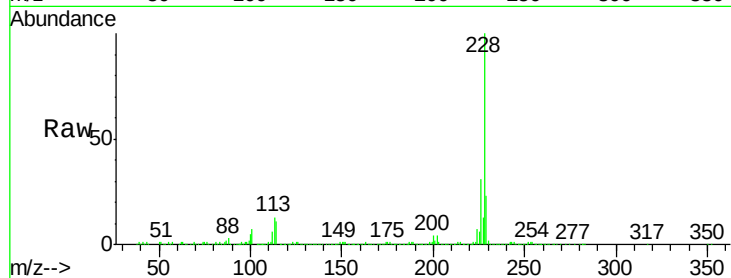




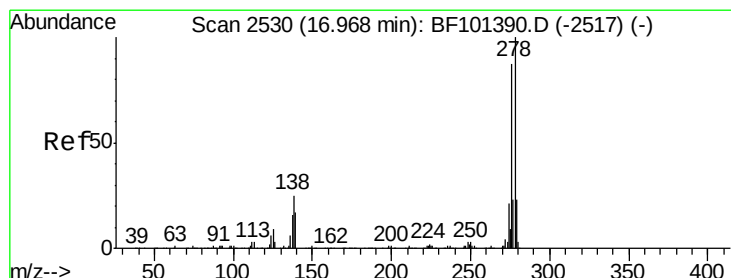
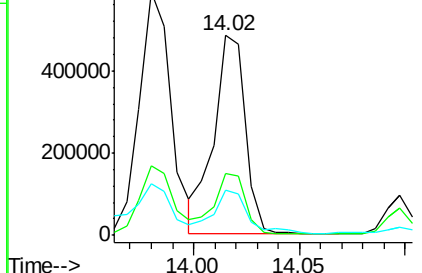
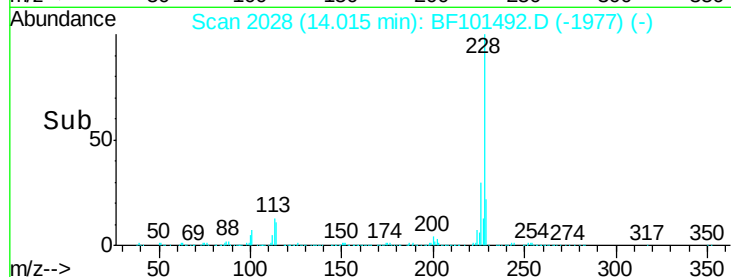
#82
Chrysene
Concen: 33.35 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Instrument :
BNA_F
ClientSampleId :
OR-01-121517-B

Tot Ion:228 Resp: 507515
Ion Ratio Lower Upper
228 100
226 30.8 25.0 37.6
229 22.8 16.2 24.4

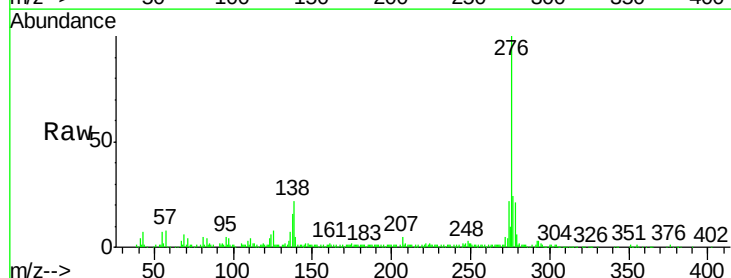


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

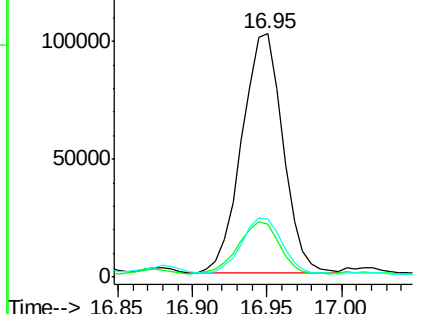
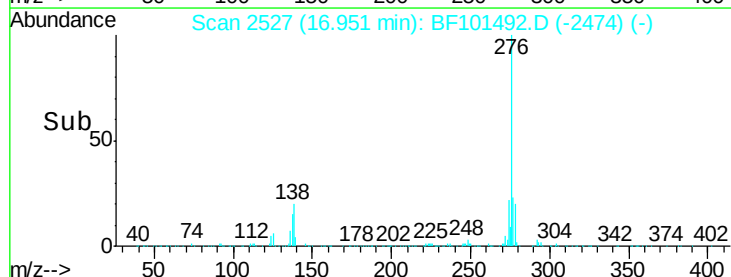


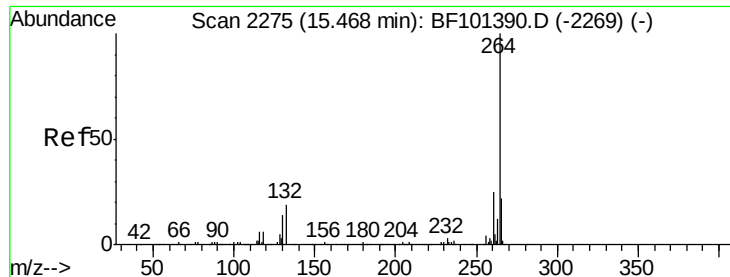
#85
Indeno(1,2,3-cd)pyrene
Concen: 14.27 ng
RT: 16.95 min Scan# 2527
Delta R.T. 0.01 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Tgt Ion:276 Resp: 193404
Ion Ratio Lower Upper
276 100
138 22.9 25.0 37.6#
277 23.7 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

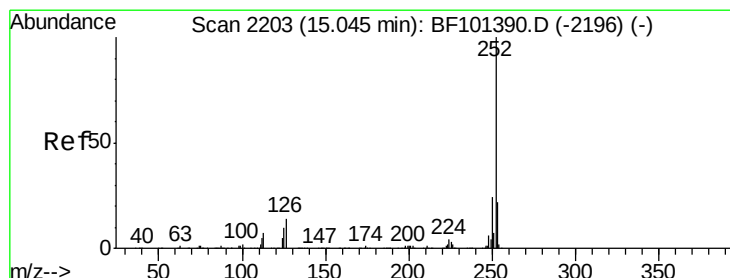
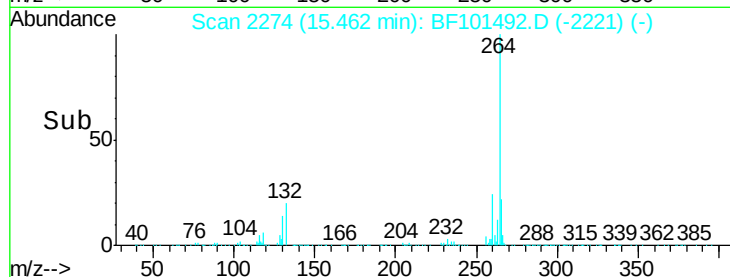
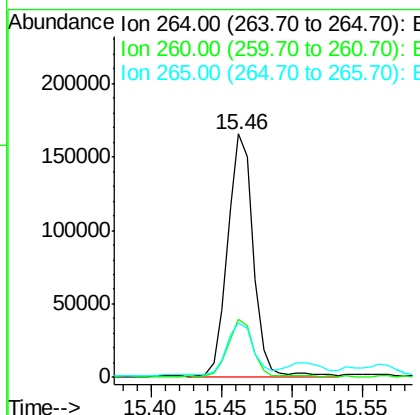
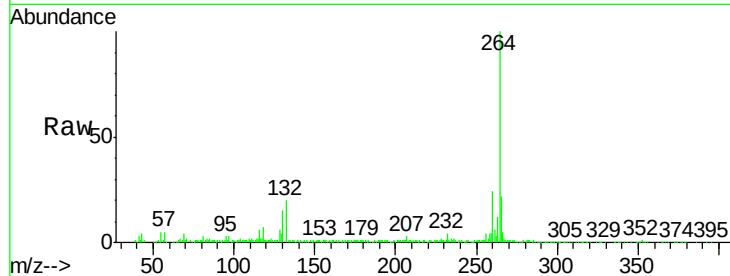




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

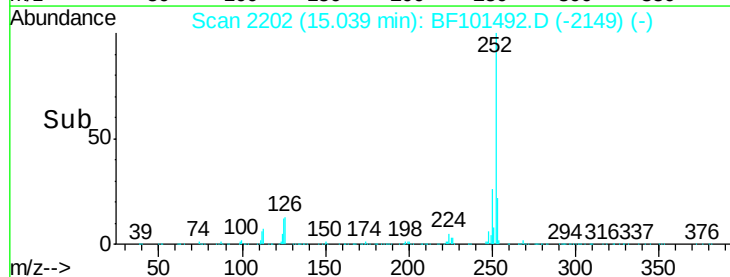
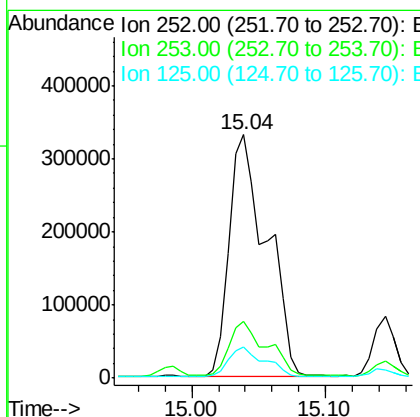
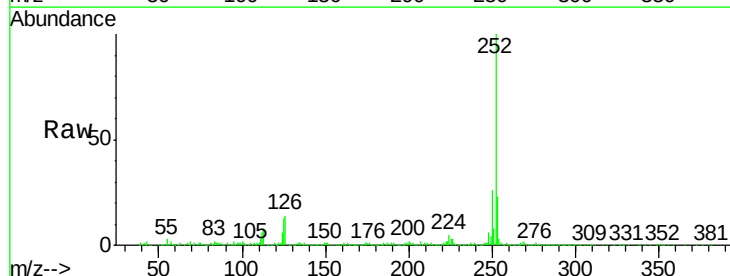
Instrument :
BNA_F
ClientSampleId :
OR-01-121517-B

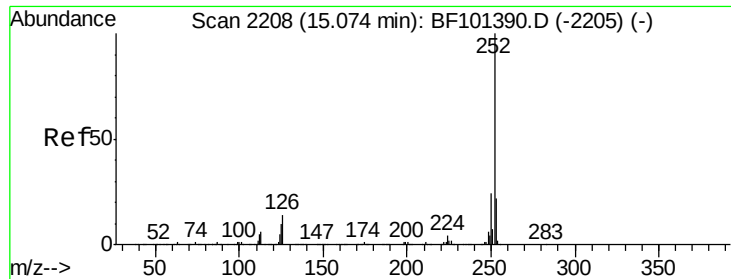
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 51.81 ng
RT: 15.04 min Scan# 2202
Delta R.T. 0.01 min
Lab File: BF101492.D
Acq: 18 Dec 2017 20:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.6	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 53.27 ng

RT: 15.04 min Scan# 2202

Delta R.T. -0.02 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

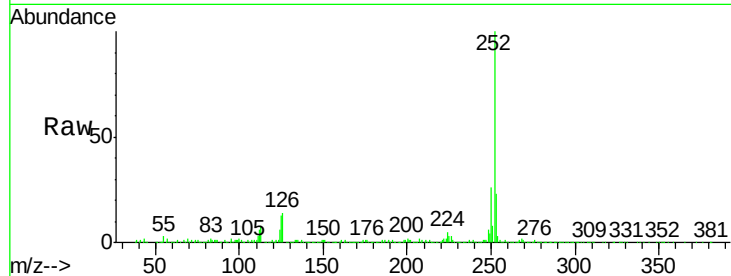
Tot Ion:252 Resp: 652859

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

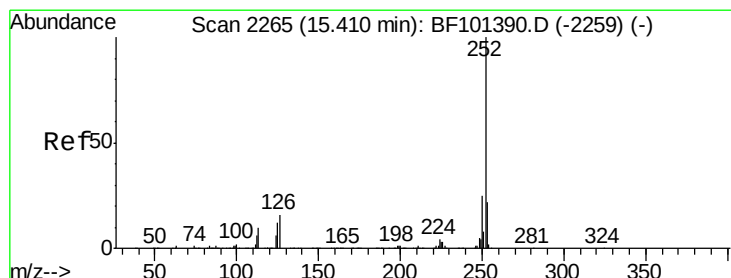
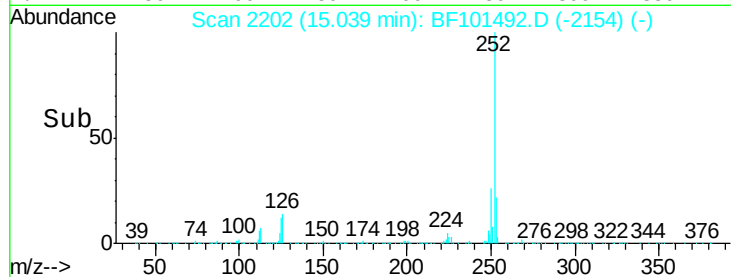
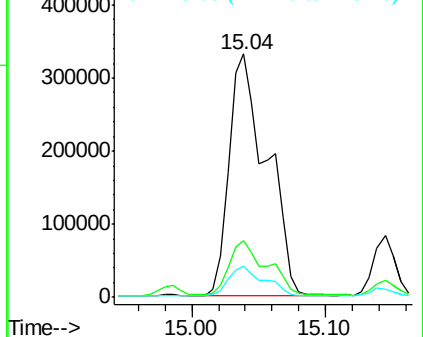
125 12.6 10.2 15.2



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



#89

Benzo(a)pyrene

Concen: 32.07 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.01 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

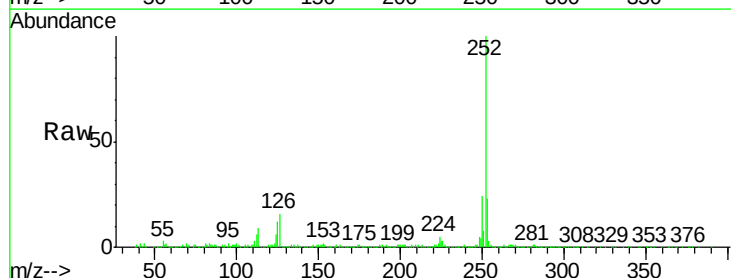
Tgt Ion:252 Resp: 372575

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

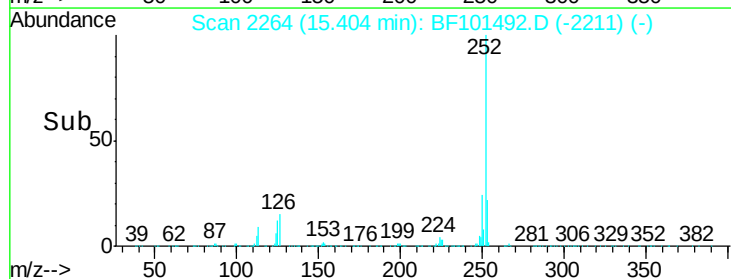
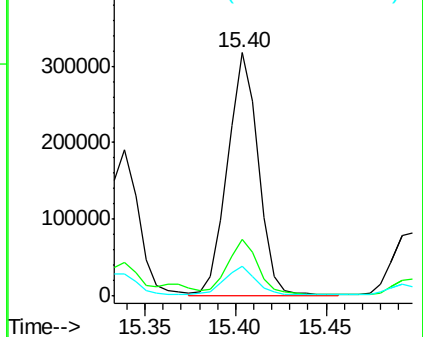
125 12.4 9.8 14.6

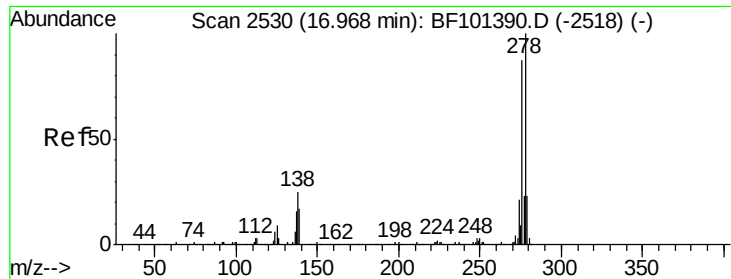


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.76 ng

RT: 16.94 min Scan# 2526

Delta R.T. 0.01 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

Instrument :

BNA_F

ClientSampleId :

OR-01-121517-B

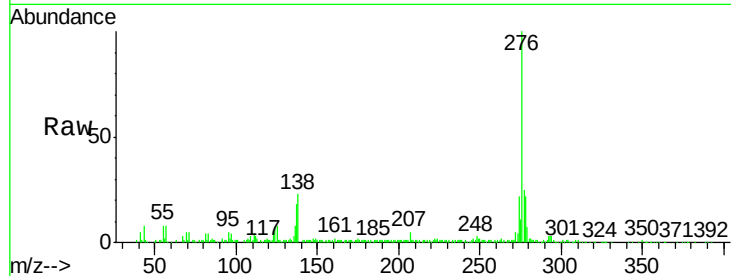
Tot Ion:278 Resp: 47510

Ion Ratio Lower Upper

278 100

139 0.0 15.9 23.9#

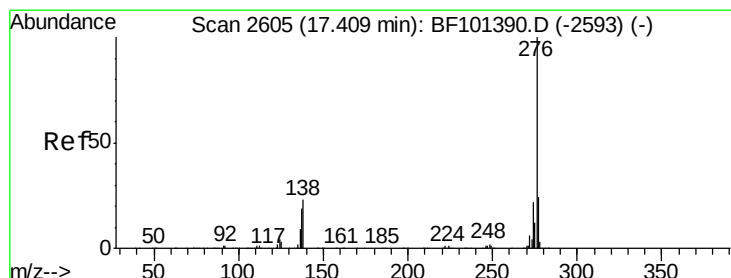
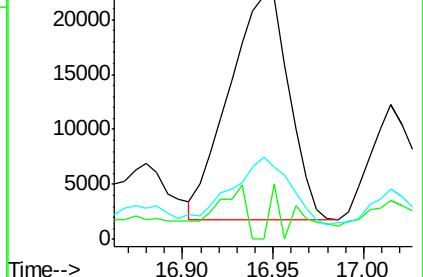
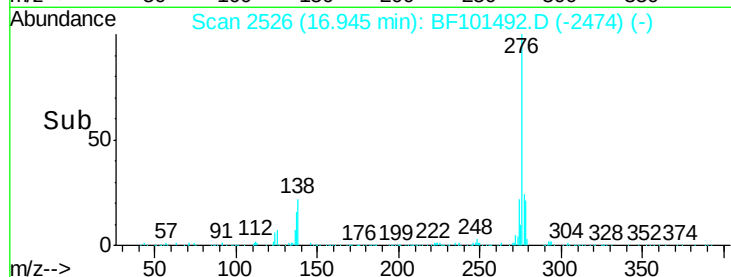
279 34.0 19.0 28.4#



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



#91

Benzo(g,h,i)perylene

Concen: 18.79 ng

RT: 17.40 min Scan# 2603

Delta R.T. 0.02 min

Lab File: BF101492.D

Acq: 18 Dec 2017 20:30

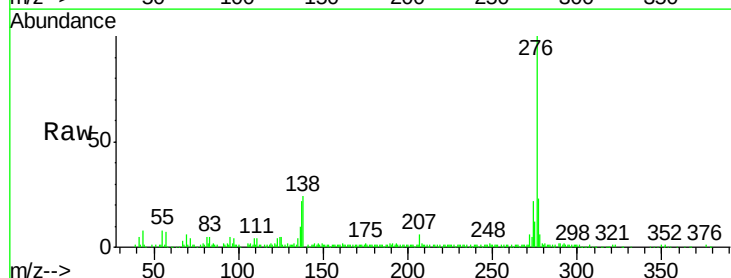
Tgt Ion:276 Resp: 185594

Ion Ratio Lower Upper

276 100

277 23.3 17.9 26.9

138 24.1 21.8 32.8



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

