

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082417\
 Data File : BF098007.D
 Acq On : 24 Aug 2017 17:41
 Operator : SJ/JU
 Sample : I4924-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11975-COMP

Quant Time: Aug 25 00:59:56 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

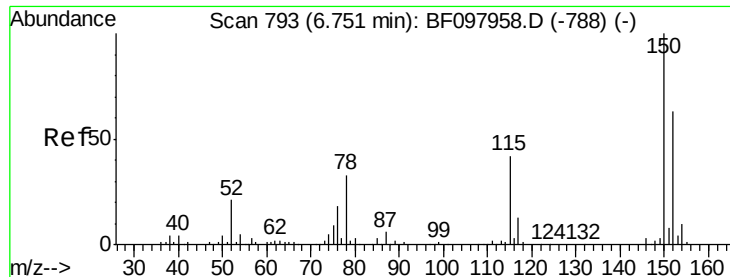
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	111792	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	443924	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	196078	20.00	ng	-0.02
63) Phenanthrene-d10	11.25	188	381373	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	288331	20.00	ng	-0.01
86) Perylene-d12	15.30	264	240716	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	1032308	140.46	ng	0.00
7) Phenol-d6	6.37	99	1428013	143.00	ng	-0.01
23) Nitrobenzene-d5	7.30	82	870886	106.57	ng	-0.02
41) 2,4,6-Tribromophenol	10.56	330	261039	153.44	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1258718	94.32	ng	-0.01
78) Terphenyl-d14	12.85	244	1091340	78.93	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.39	94	33511	2.87	ng	97
19) n-Nitroso-di-n-propylamine	7.30	70	117339	17.17	ng	# 71
25) Isophorone	7.30	82	853830	50.25	ng	# 67
49) Dimethylphthalate	9.49	163	143696	10.03	ng	99
56) 2,4-Dinitrotoluene	9.77	165	24725	6.89	ng	# 33
64) 4,6-Dinitro-2-methylphenol	10.56	198	636	8.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.56	248	16862	4.26	ng	# 1
70) Phenanthrene	11.27	178	149506	7.36	ng	99
74) Fluoranthene	12.46	202	410338	19.34	ng	99
77) Pyrene	12.69	202	365664	15.51	ng	98
80) Benzo(a)anthracene	13.87	228	180348	10.44	ng	98
82) Chrysene	13.91	228	171416	9.97	ng	97
87) Benzo(b)fluoranthene	14.90	252	317328	20.91	ng	99
88) Benzo(k)fluoranthene	15.00	252	32174	2.26	ng	94
89) Benzo(a)pyrene	15.24	252	154124	11.47	ng	98
91) Benzo(g,h,i)perylene	17.08	276	101502	8.90	ng	# 91

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

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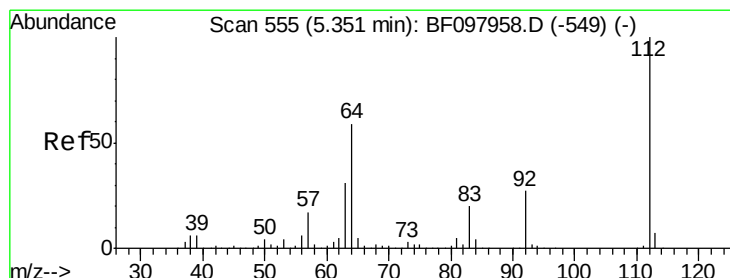
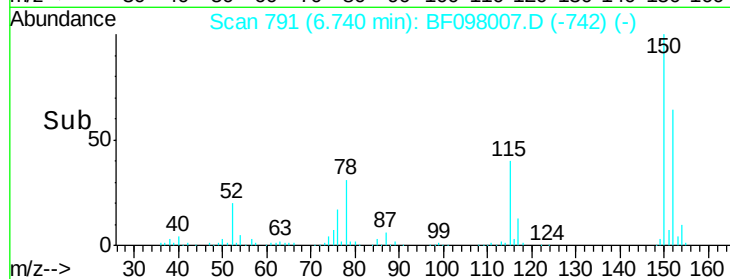
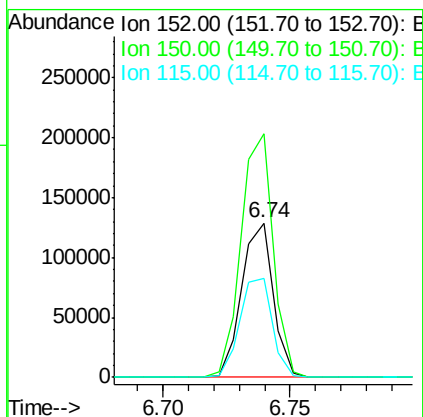
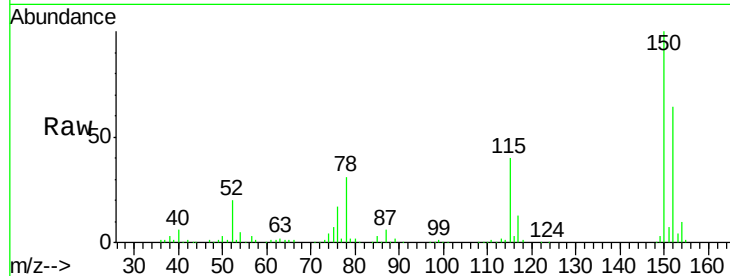


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 791
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

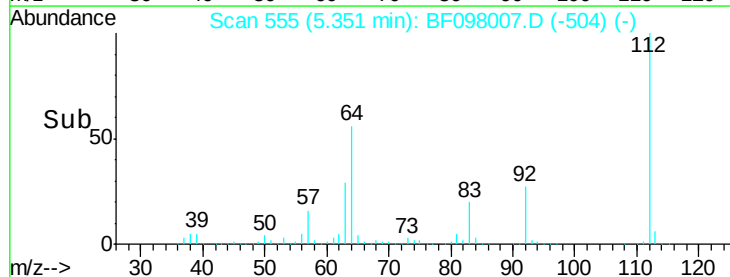
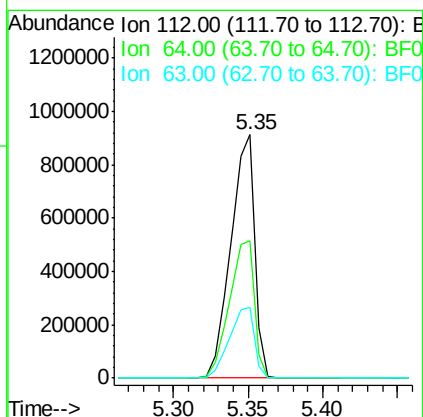
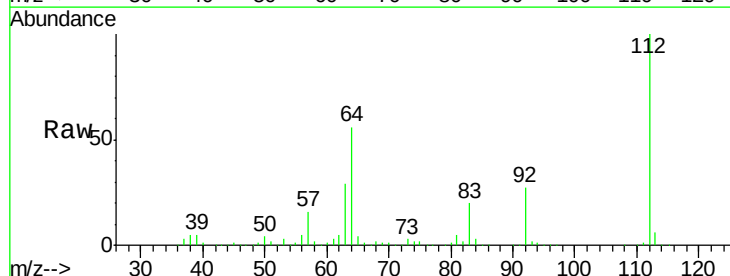
Tot Ion:152 Resp: 111792
Ion Ratio Lower Upper
152 100
150 157.5 126.2 189.2
115 63.6 52.2 78.2

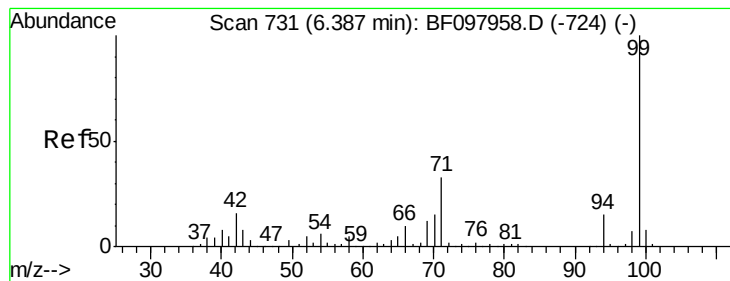


#5

2-Fluorophenol
Concen: 140.46 ng
RT: 5.35 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion:112 Resp: 1032308
Ion Ratio Lower Upper
112 100
64 56.4 46.0 69.0
63 29.0 23.4 35.0





#7

Phenol-d6

Concen: 143.00 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

ClientSampleId :

72-11975-COMP

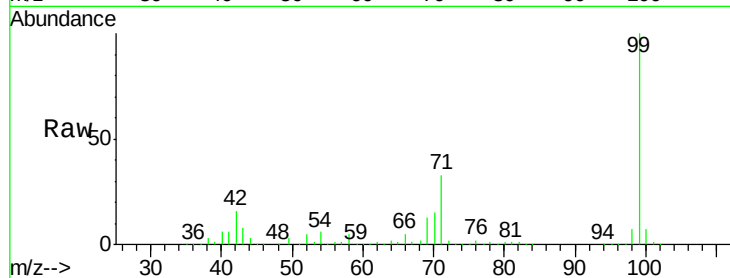
Tot Ion: 99 Resp: 1428013

Ion Ratio Lower Upper

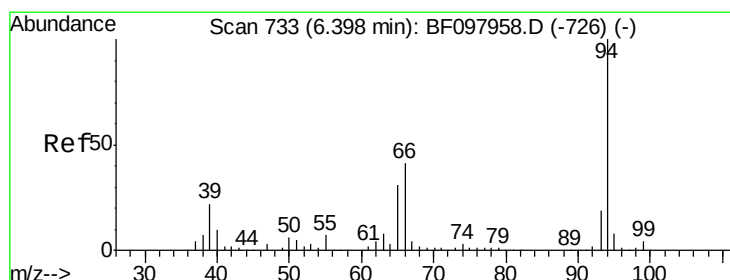
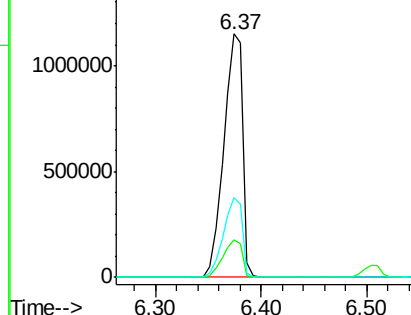
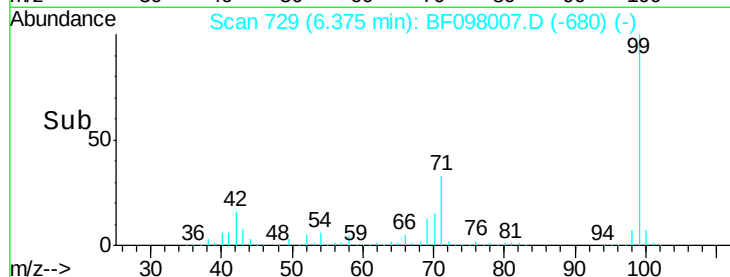
99 100

42 15.7 13.5 20.3

71 33.0 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.87 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

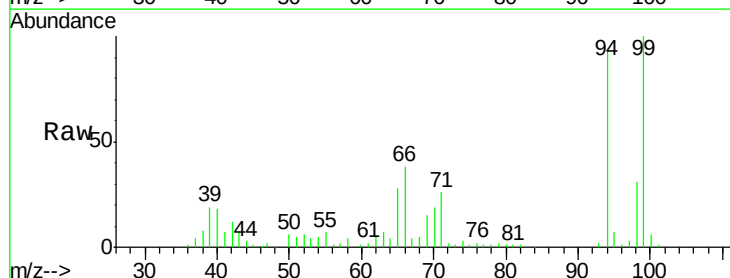
Tgt Ion: 94 Resp: 33511

Ion Ratio Lower Upper

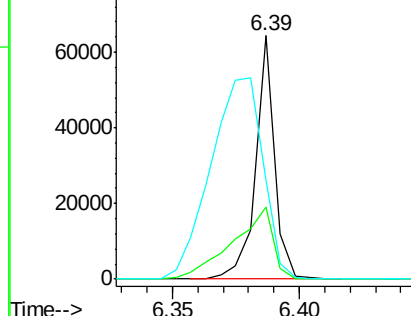
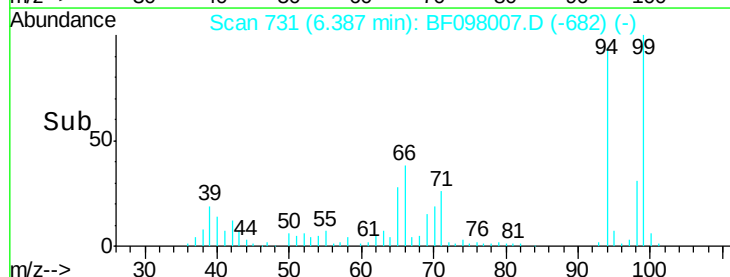
94 100

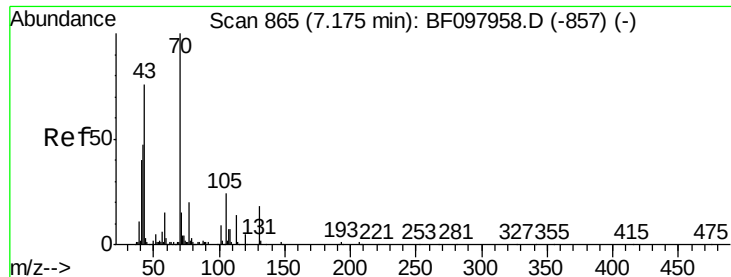
65 29.6 9.9 49.9

66 40.5 23.1 63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0

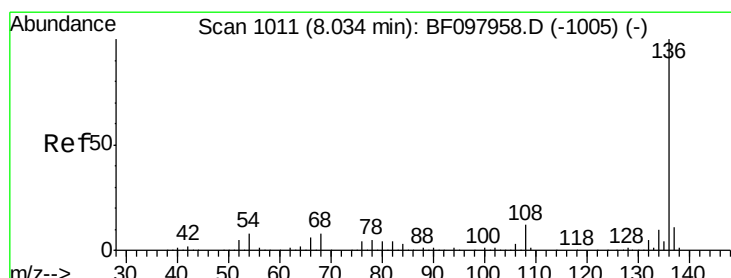
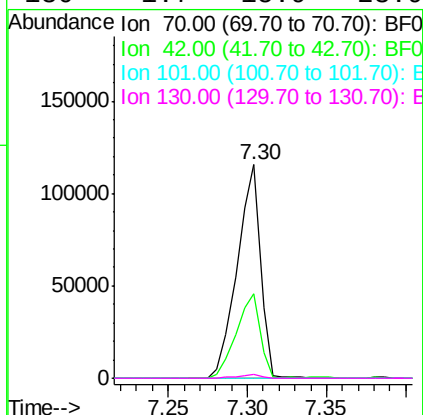
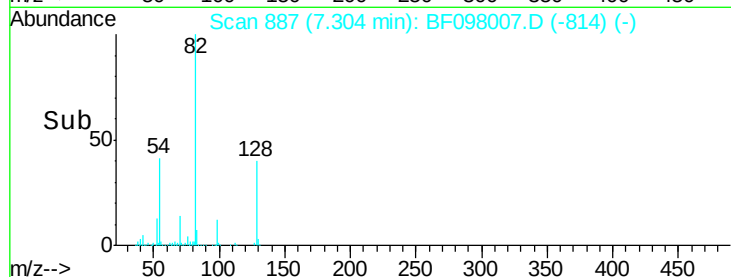
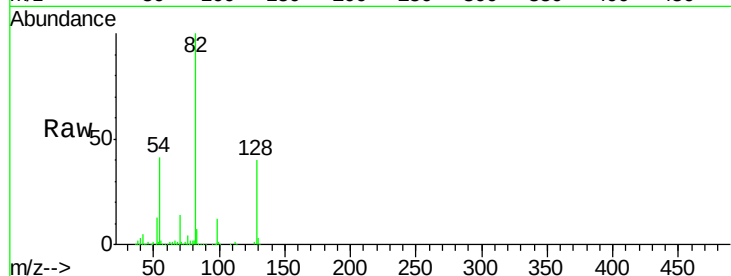




#19
n-Nitroso-di-n-propylamine
Concen: 17.17 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.13 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

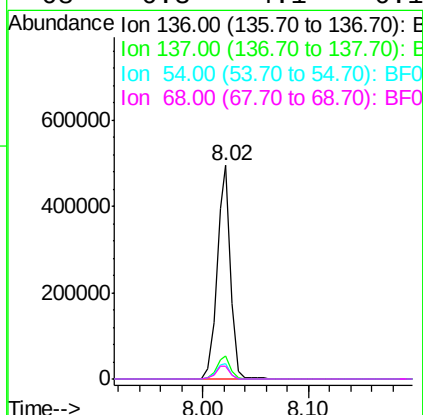
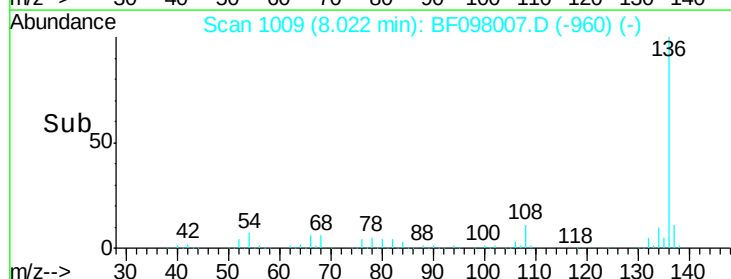
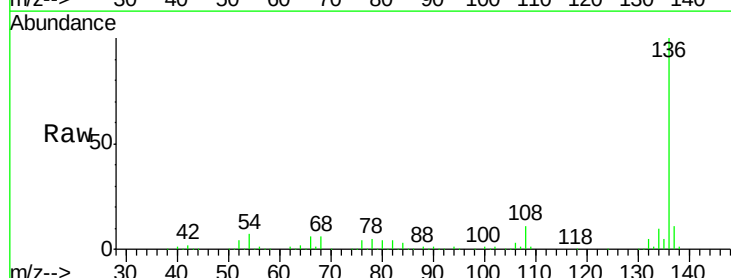
Instrument :
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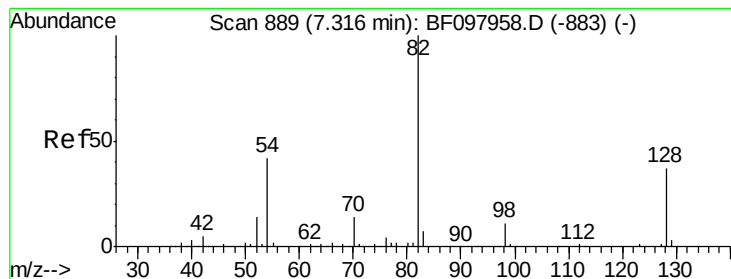
Tot Ion: 70 Resp: 117339
Ion Ratio Lower Upper
70 100
42 39.8 47.2 70.8#
101 0.0 7.2 10.8#
130 1.7 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion: 136 Resp: 443924
Ion Ratio Lower Upper
136 100
137 10.6 8.5 12.7
54 7.1 4.9 7.3
68 6.3 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 106.57 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.02 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

ClientSampleId :

72-11975-COMP

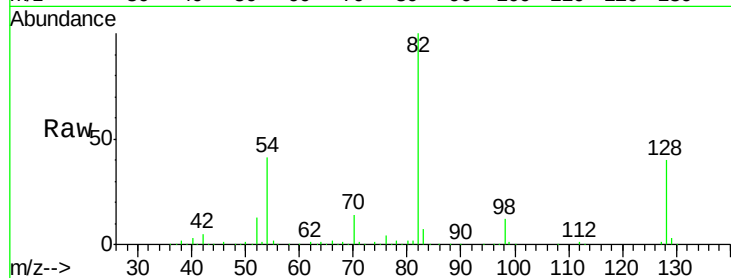
Tot Ion: 82 Resp: 870886

Ion Ratio Lower Upper

82 100

128 39.7 34.0 51.0

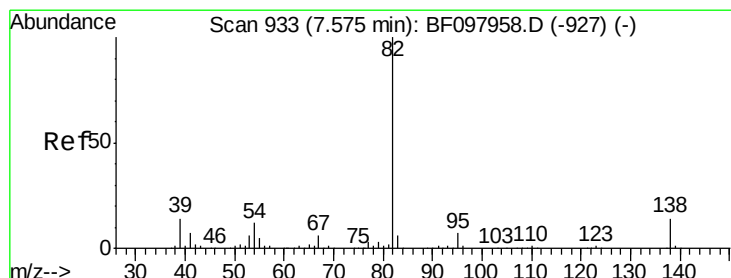
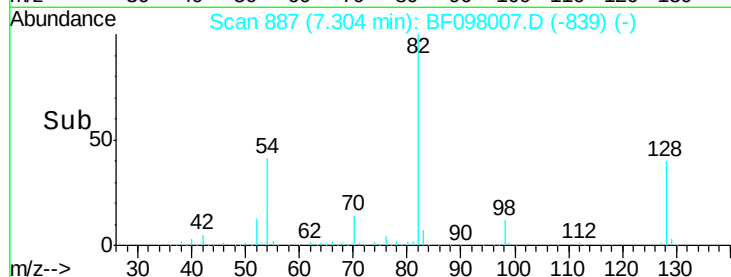
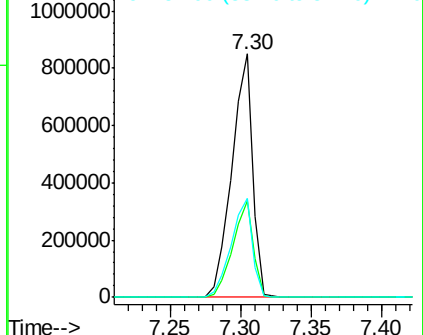
54 40.9 42.2 63.2#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 50.25 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.28 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

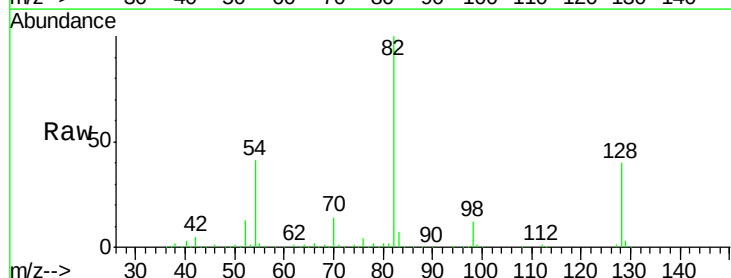
Tgt Ion: 82 Resp: 853830

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

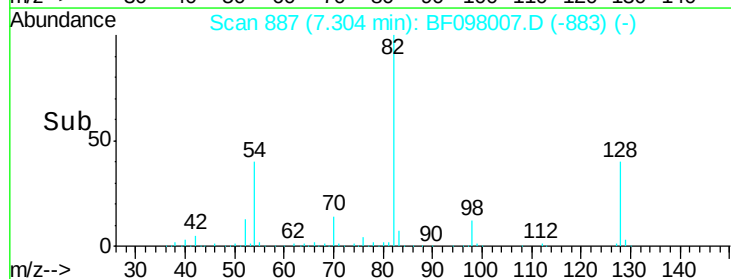
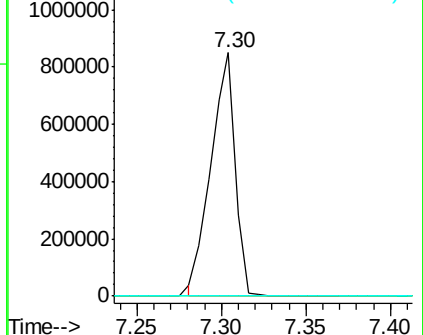
138 0.0 13.1 19.7#

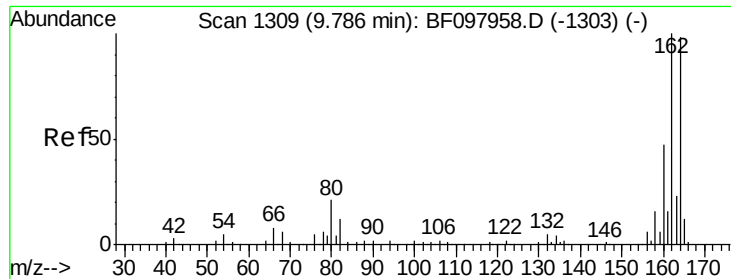


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

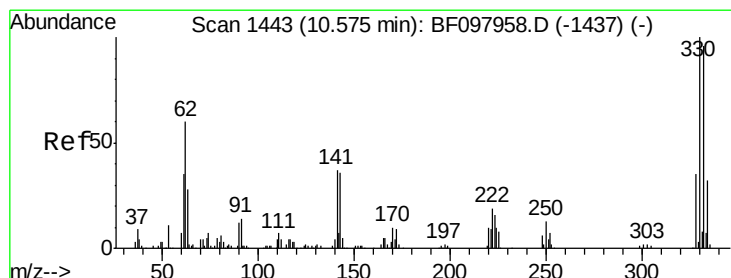
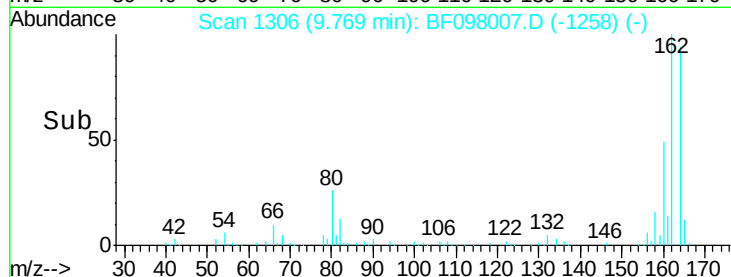
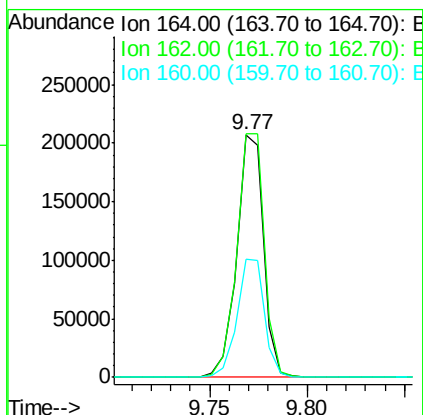
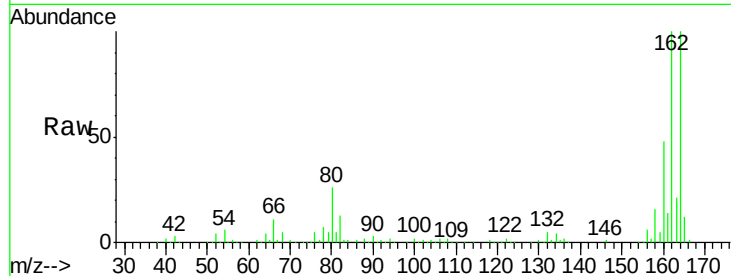




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

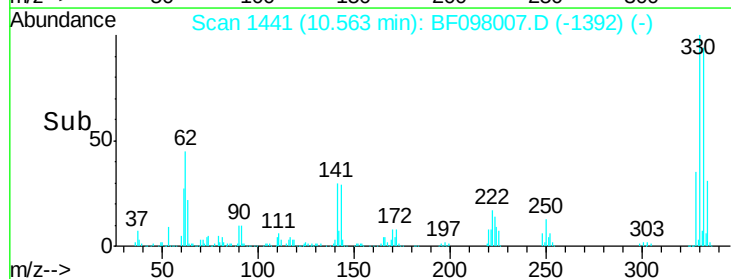
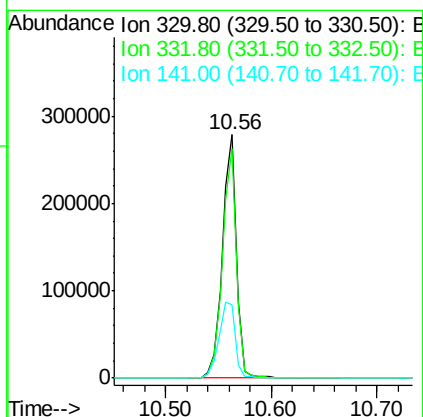
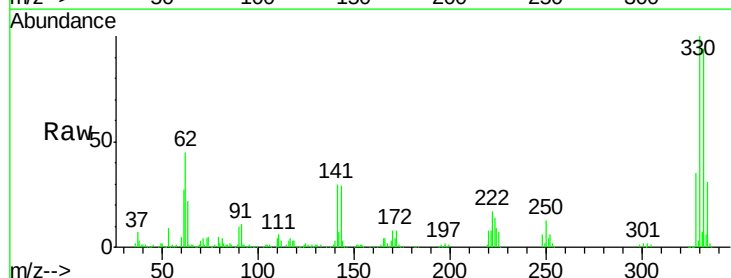
Instrument :
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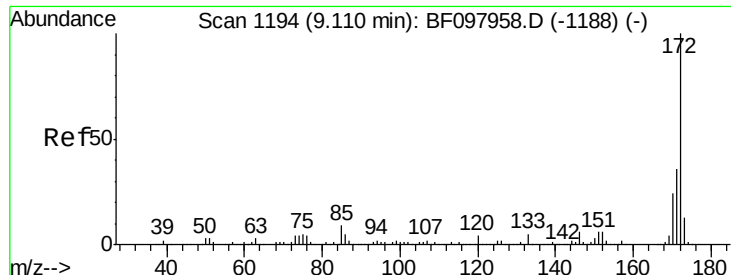
Tot Ion:164 Resp: 196078
 Ion Ratio Lower Upper
 164 100
 162 100.1 82.6 123.8
 160 48.5 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 153.44 ng
 RT: 10.56 min Scan# 1441
 Delta R.T. -0.01 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

Tgt Ion:330 Resp: 261039
 Ion Ratio Lower Upper
 330 100
 332 94.2 76.6 115.0
 141 37.2 31.4 47.2

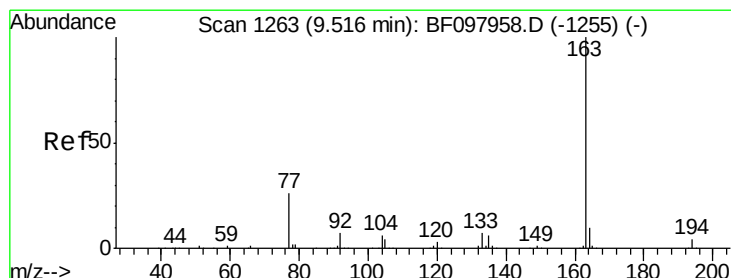
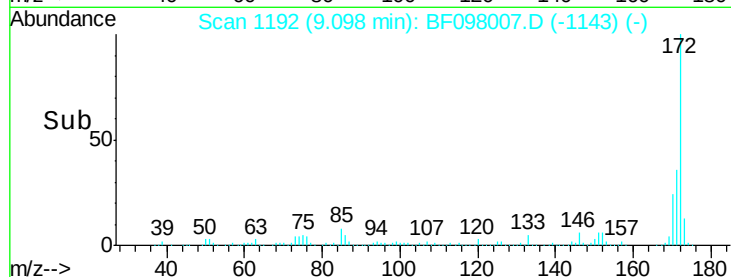
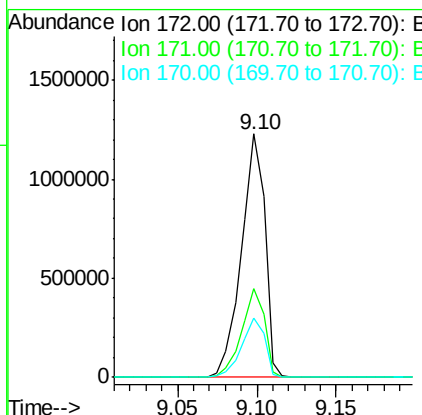
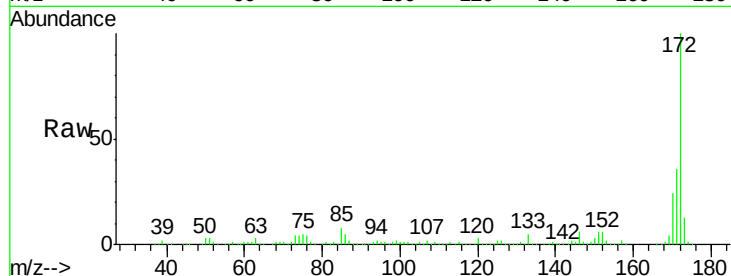




#44
2-Fluorobiphenyl
Concen: 94.32 ng
RT: 9.10 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

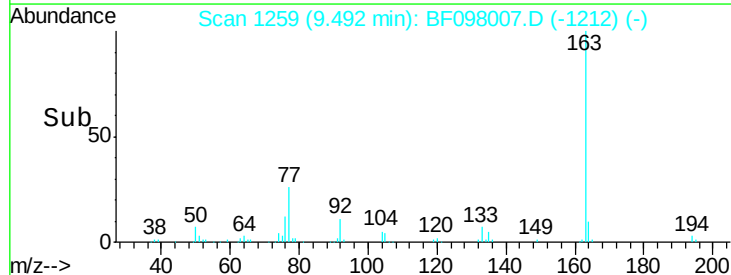
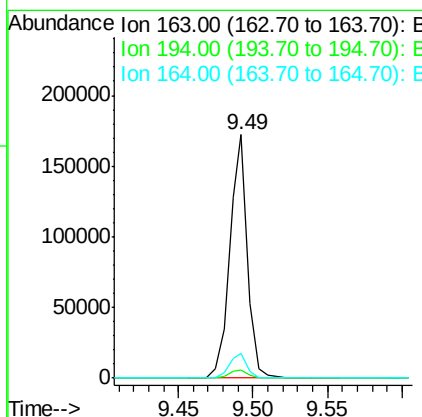
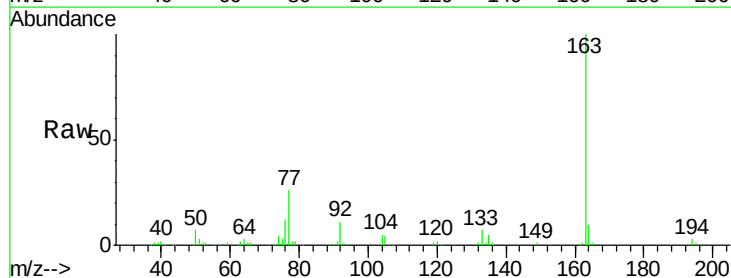
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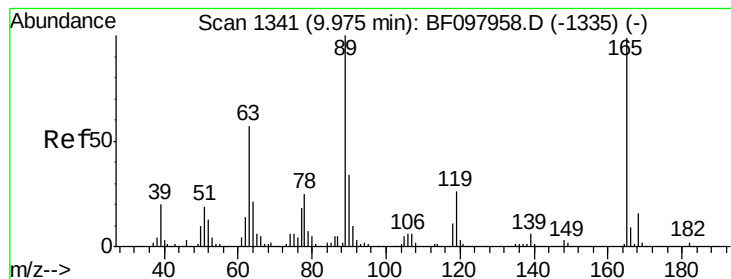
Tot Ion:172 Resp: 1258718
Ion Ratio Lower Upper
172 100
171 36.3 29.6 44.4
170 24.5 19.8 29.8



#49
Dimethylphthalate
Concen: 10.03 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion:163 Resp: 143696
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.1 8.4 12.6





#56

2,4-Dinitrotoluene

Concen: 6.89 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.21 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

ClientSampleId :

72-11975-COMP

Tot Ion:165 Resp: 24725

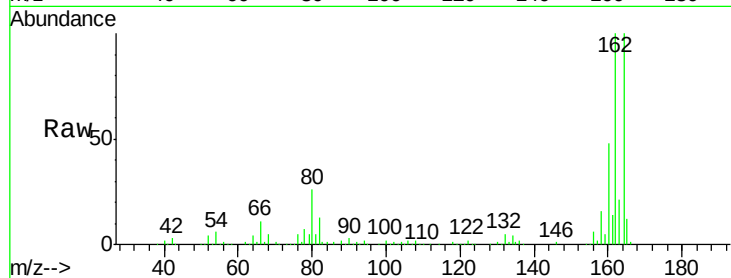
Ion Ratio Lower Upper

165 100

63 1.3 25.4 38.0#

89 1.7 46.4 69.6#

182 0.0 1.8 2.6#

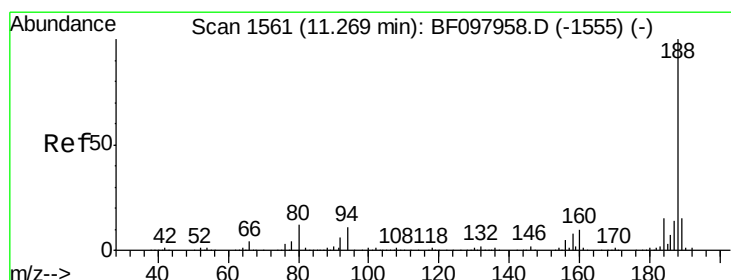
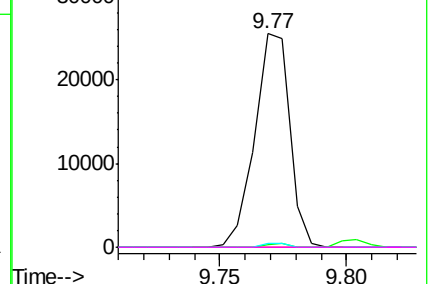
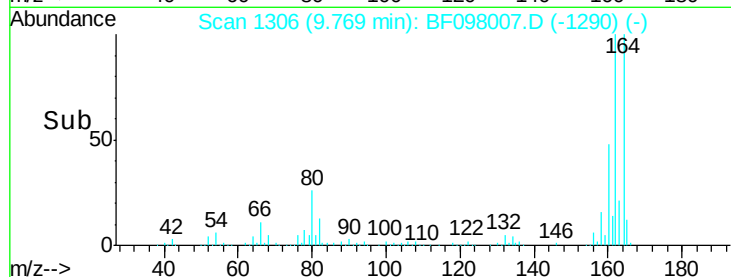


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

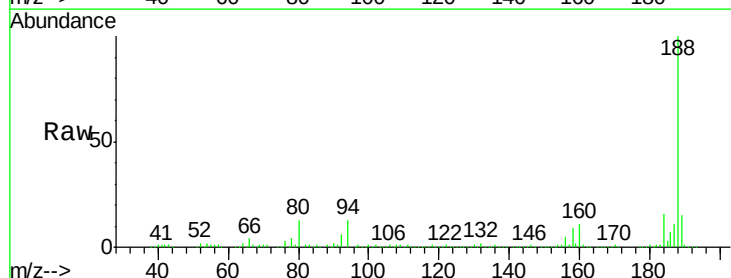
Tgt Ion:188 Resp: 381373

Ion Ratio Lower Upper

188 100

94 12.7 9.4 14.2

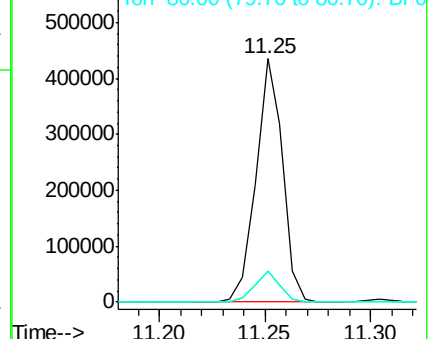
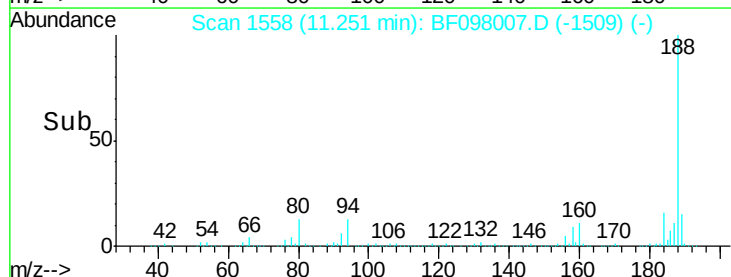
80 12.9 10.2 15.2

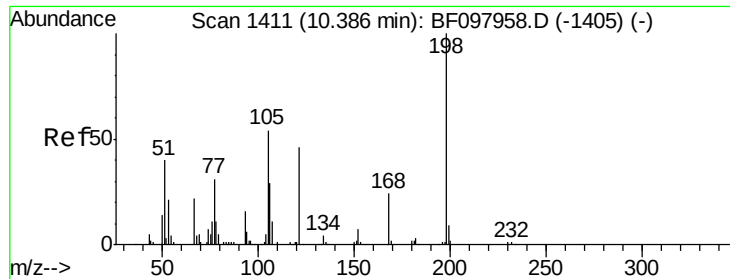


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#64

4,6-Dinitro-2-methylphenol

Concen: 8.61 ng

RT: 10.56 min Scan# 1441

Delta R.T. 0.18 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

ClientSampleId :

72-11975-COMP

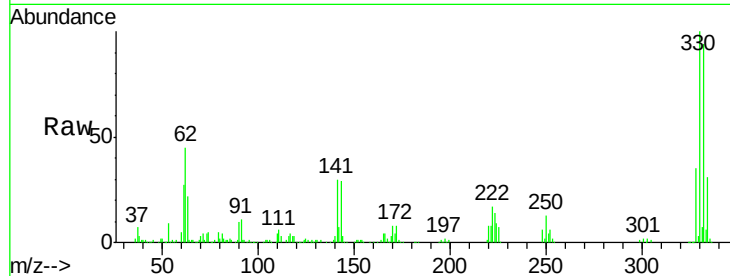
Tot Ion:198 Resp: 636

Ion Ratio Lower Upper

198 100

51 137.4 53.2 93.2#

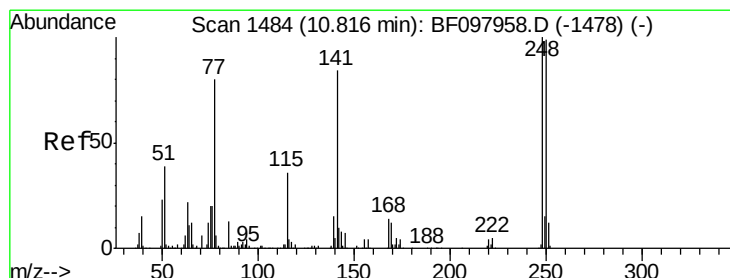
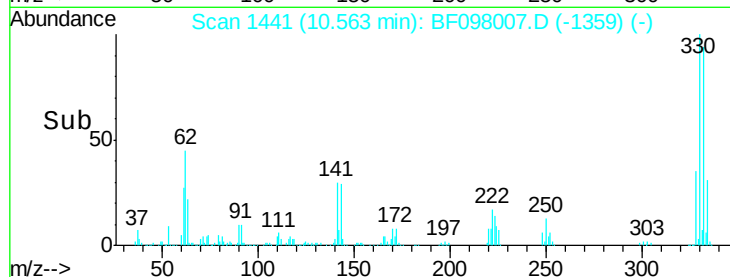
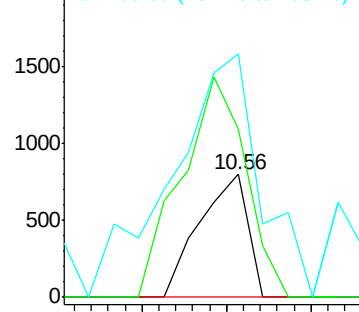
105 198.4 45.8 85.8#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E



#66

4-Bromophenyl-phenylether

Concen: 4.26 ng

RT: 10.56 min Scan# 1441

Delta R.T. -0.25 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

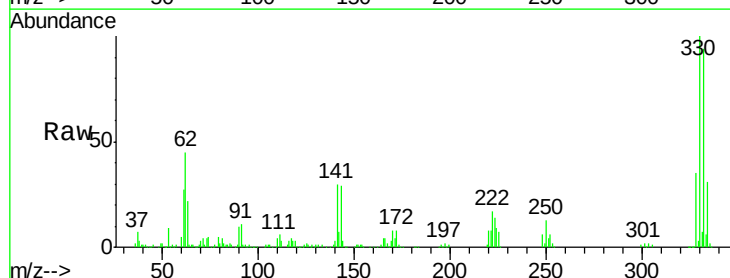
Tgt Ion:248 Resp: 16862

Ion Ratio Lower Upper

248 100

250 214.7 76.8 115.2#

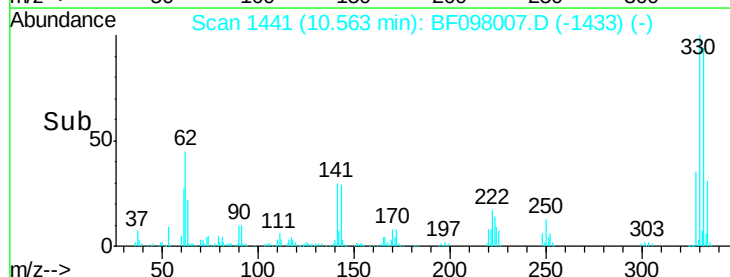
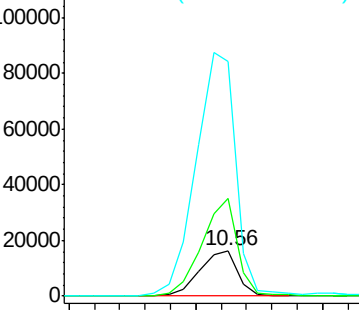
141 517.1 68.6 103.0#

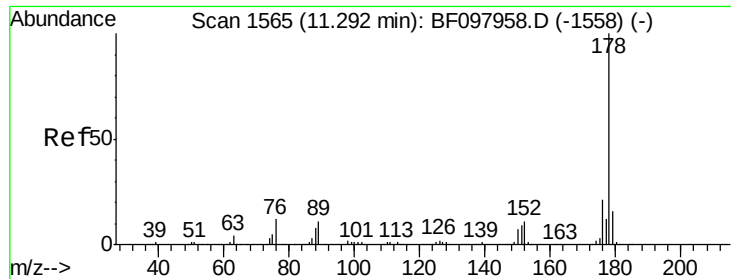


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 7.36 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

ClientSampleId :

72-11975-COMP

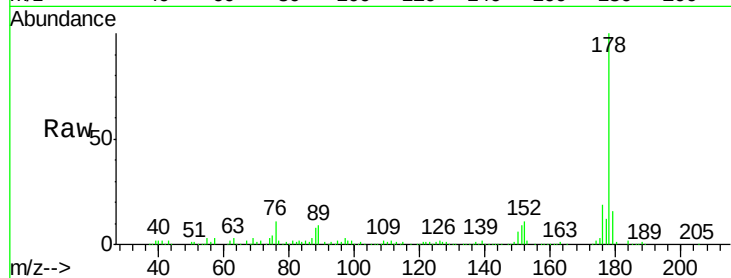
Tot Ion:178 Resp: 149506

Ion Ratio Lower Upper

178 100

176 19.2 16.2 24.4

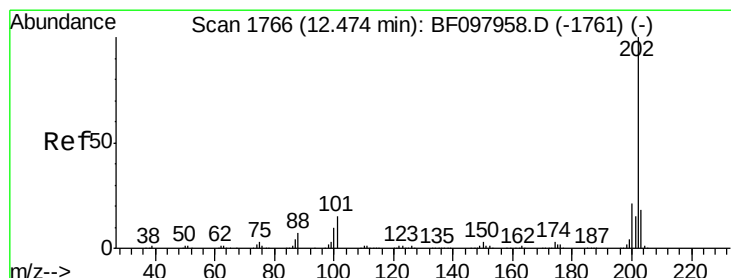
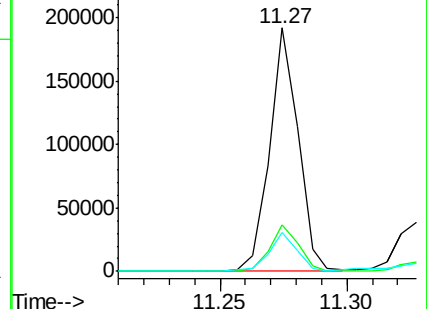
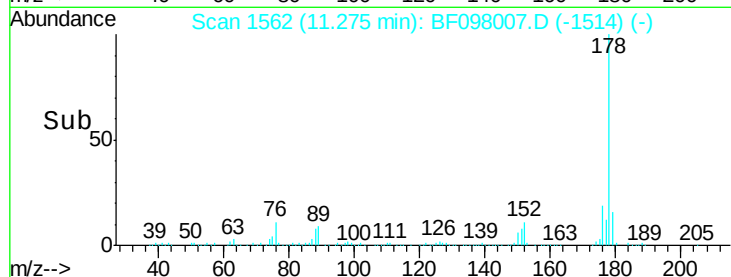
179 15.9 12.6 19.0



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



#74

Fluoranthene

Concen: 19.34 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

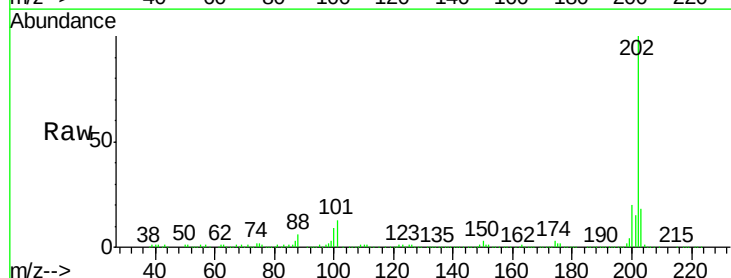
Tgt Ion:202 Resp: 410338

Ion Ratio Lower Upper

202 100

101 12.8 0.0 33.2

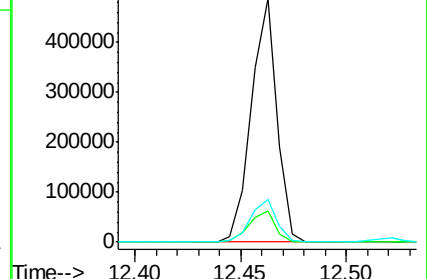
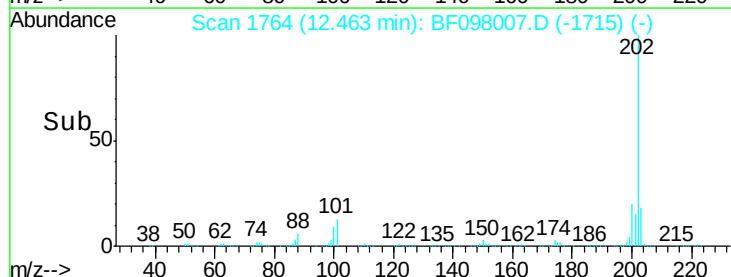
203 17.6 0.0 38.1

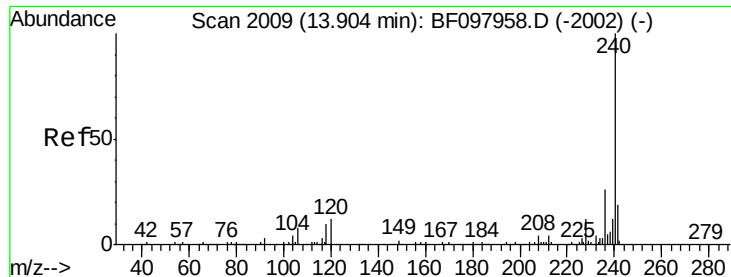


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.89 min Scan# 2006

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

Instrument :

BNA_F

ClientSampleId :

72-11975-COMP

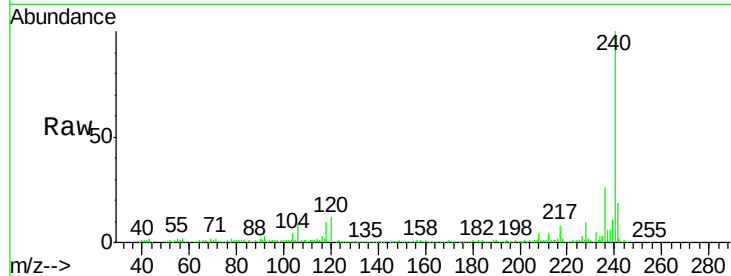
Tot Ion:240 Resp: 288331

Ion Ratio Lower Upper

240 100

120 11.9 5.8 8.8#

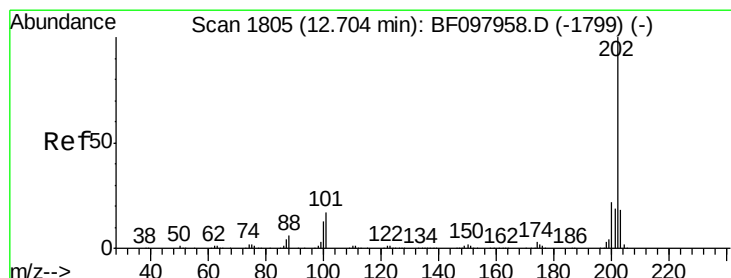
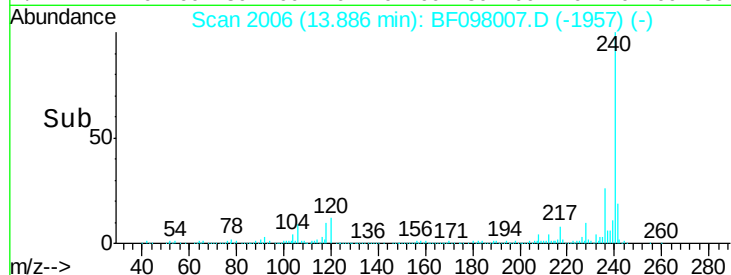
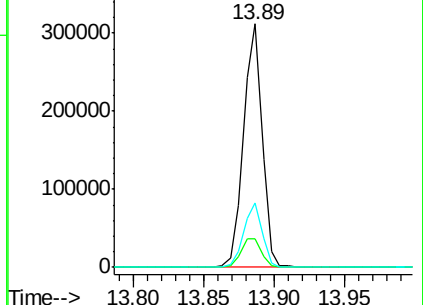
236 26.3 20.5 30.7



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: 15.51 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF098007.D

Acq: 24 Aug 2017 17:41

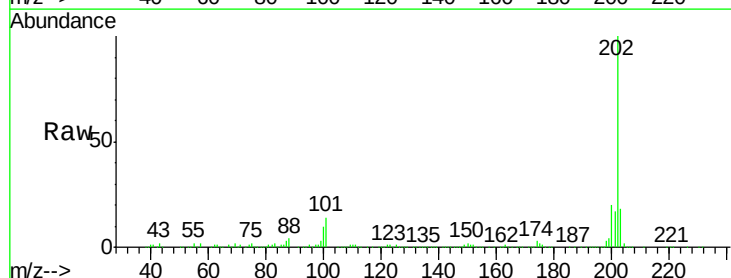
Tgt Ion:202 Resp: 365664

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

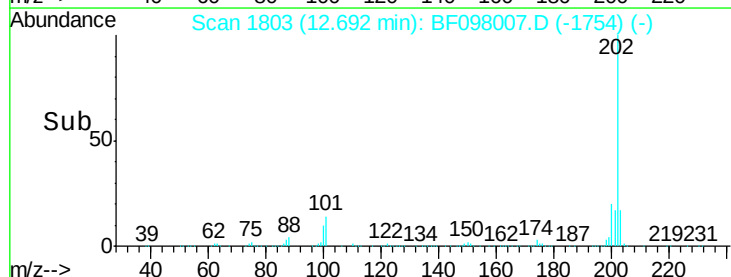
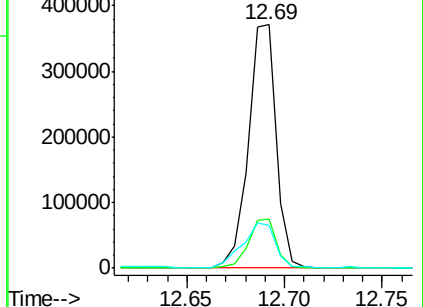
203 17.5 14.4 21.6

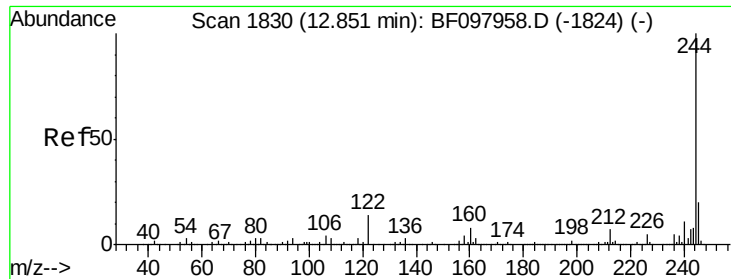


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

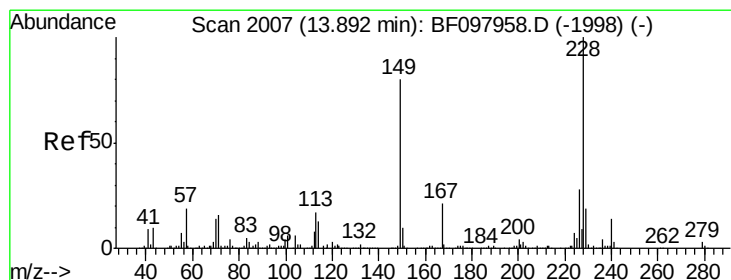
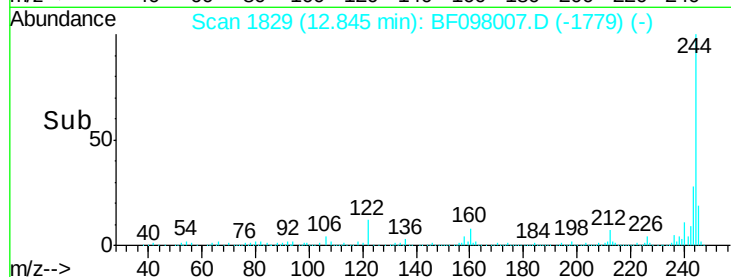
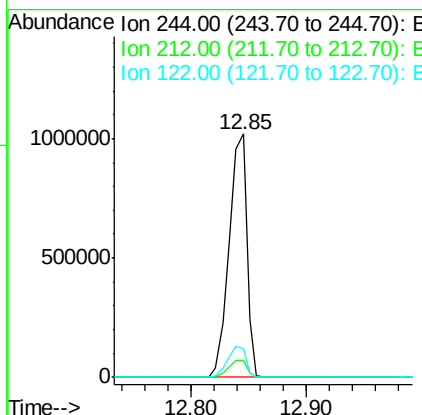
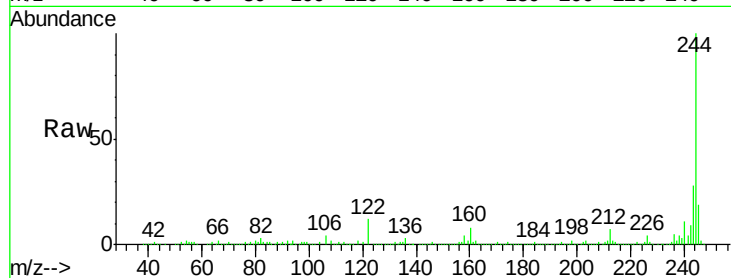




#78
 Terphenyl-d14
 Concen: 78.93 ng
 RT: 12.85 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

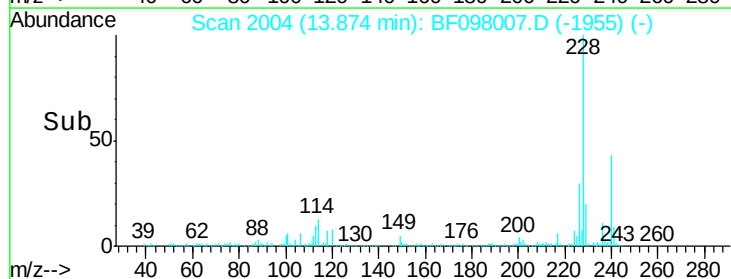
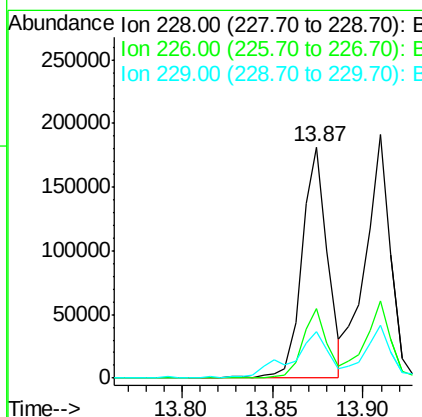
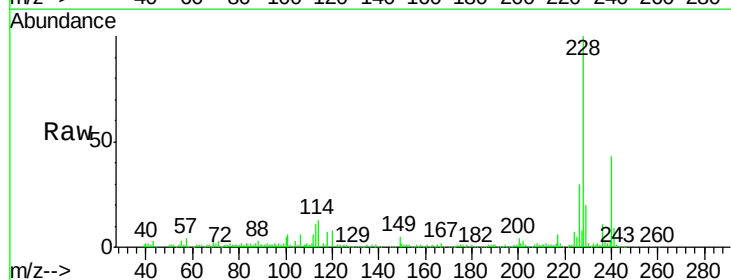
Instrument :
 BNA_F
 ClientSampleId :
 72-11975-COMP

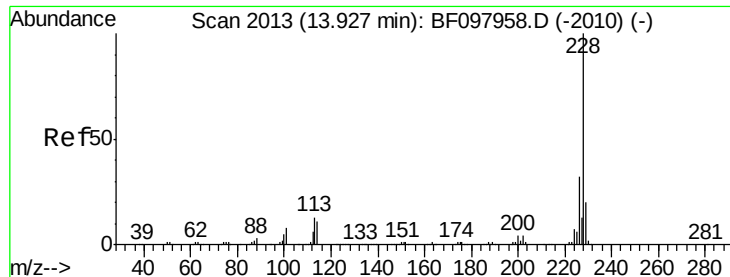
Tot Ion:244 Resp: 1091340
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 11.7 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 10.44 ng
 RT: 13.87 min Scan# 2004
 Delta R.T. -0.01 min
 Lab File: BF098007.D
 Acq: 24 Aug 2017 17:41

Tgt Ion:228 Resp: 180348
 Ion Ratio Lower Upper
 228 100
 226 30.1 22.6 33.8
 229 20.0 16.3 24.5

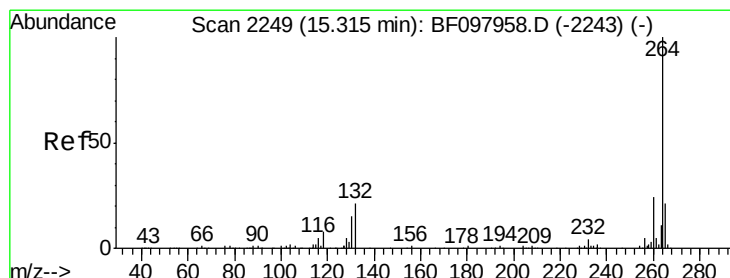
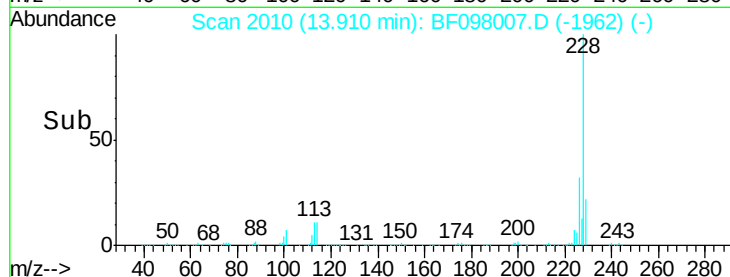
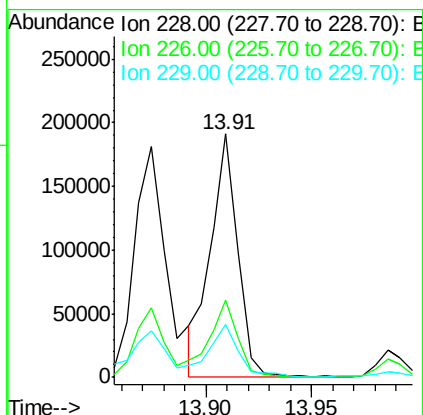
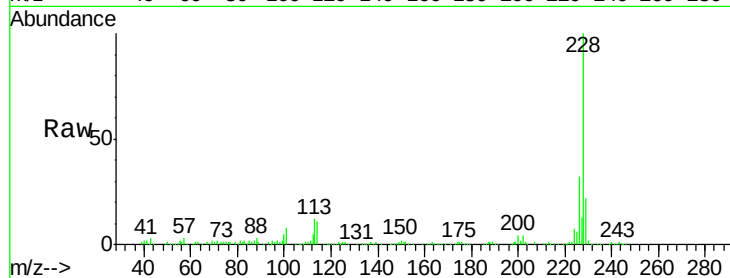




#82
Chrysene
Concen: 9.97 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

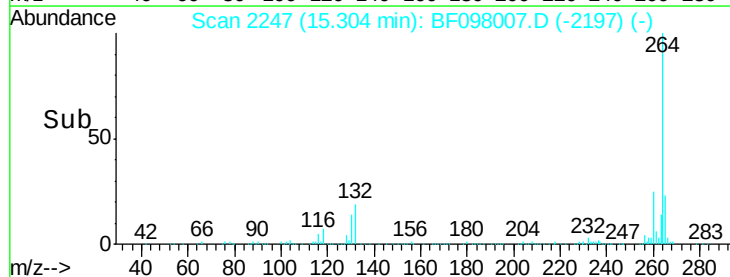
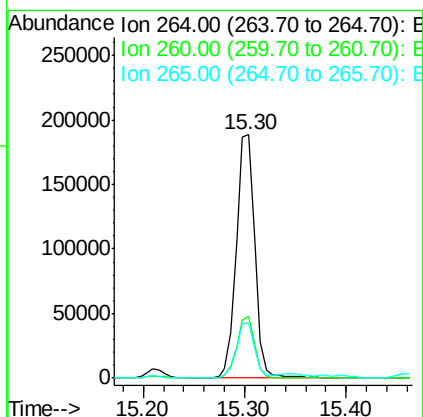
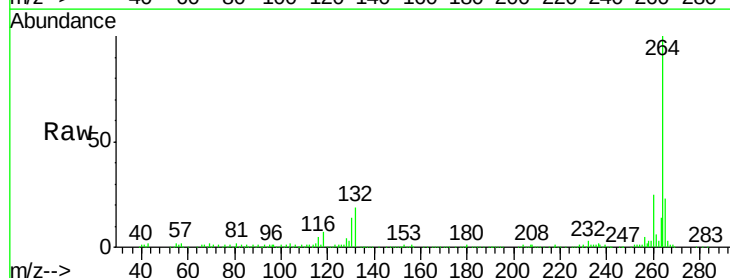
Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

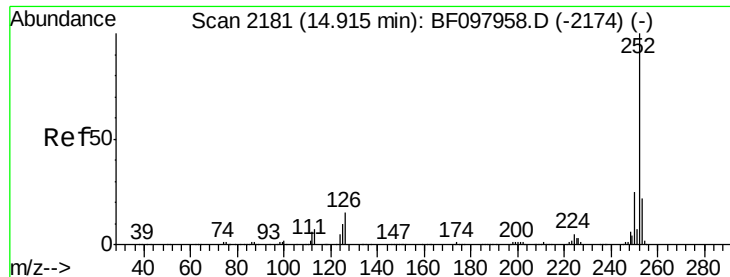
Tot Ion: 228 Resp: 171416
Ion Ratio Lower Upper
228 100
226 31.8 24.9 37.3
229 22.0 15.8 23.6



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion: 264 Resp: 240716
Ion Ratio Lower Upper
264 100
260 25.4 19.5 29.3
265 22.9 17.2 25.8

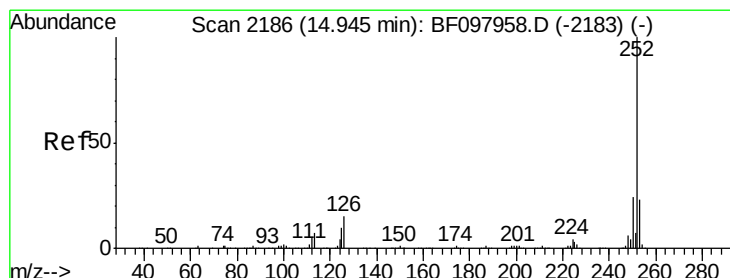
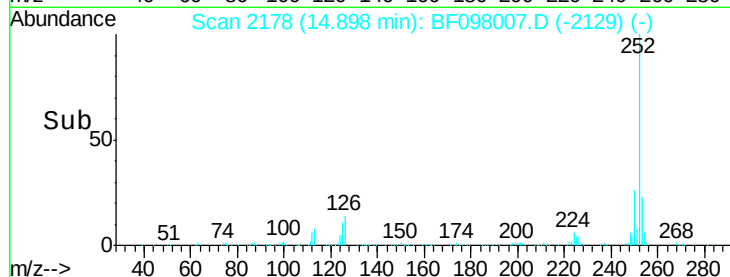
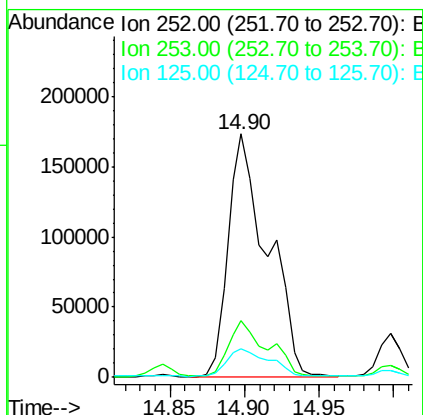
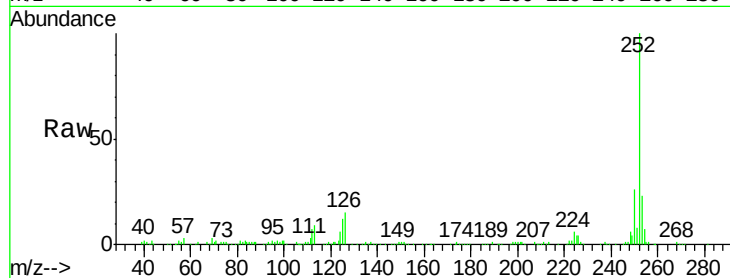




#87
Benzo(b)fluoranthene
Concen: 20.91 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

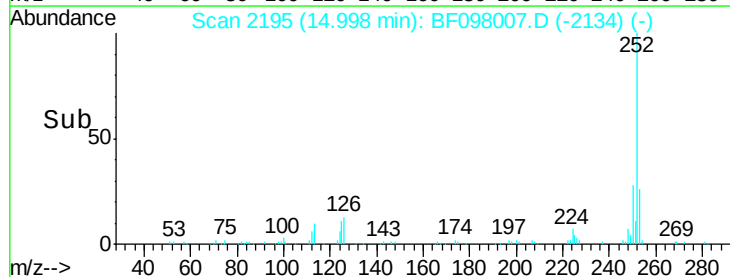
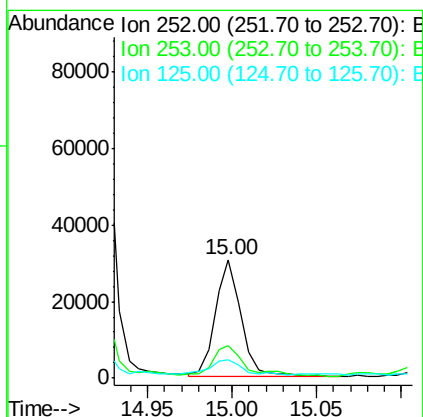
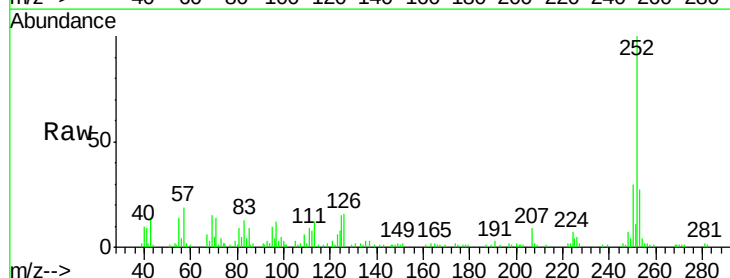
Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

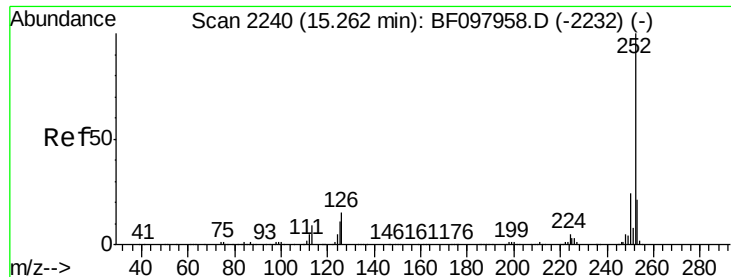
Tot Ion:252 Resp: 317328
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 11.6 9.8 14.8



#88
Benzo(k)fluoranthene
Concen: 2.26 ng
RT: 15.00 min Scan# 2195
Delta R.T. 0.06 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion:252 Resp: 32174
Ion Ratio Lower Upper
252 100
253 27.2 18.4 27.6
125 14.9 13.1 19.7

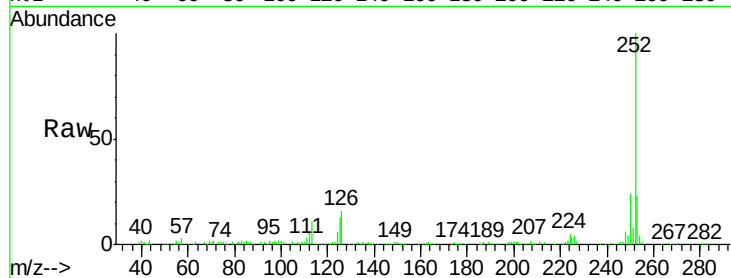




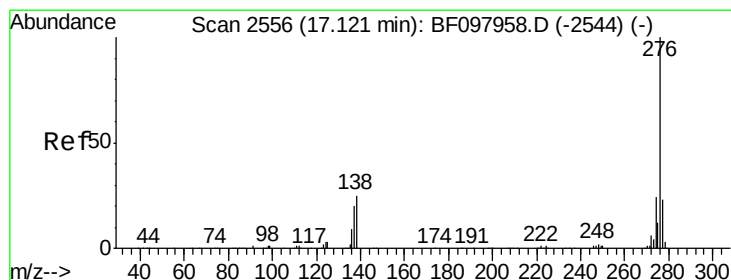
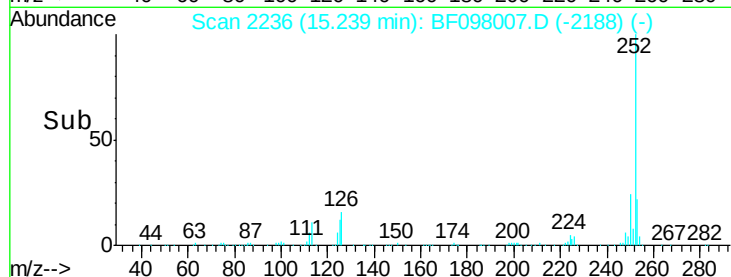
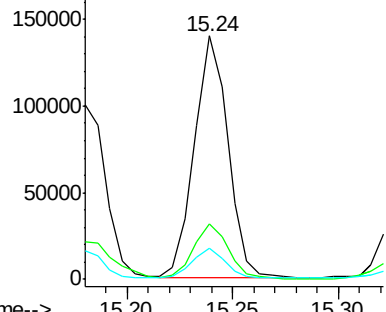
#89
Benzo(a)pyrene
Concen: 11.47 ng
RT: 15.24 min Scan# 2236
Delta R.T. -0.02 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Instrument :
BNA_F
ClientSampleId :
72-11975-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	12.6	11.0	16.4

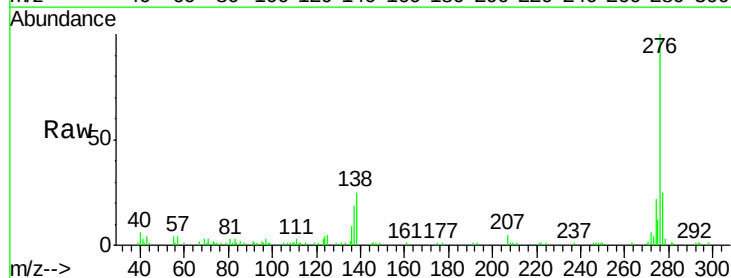


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 8.90 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.03 min
Lab File: BF098007.D
Acq: 24 Aug 2017 17:41

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.6	28.0
138	24.5	25.4	38.0



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

