

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072417\
 Data File : BF096987.D
 Acq On : 24 Jul 2017 13:20
 Operator : SJ/JU
 Sample : I4317-03RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-TP-1-2-3-COMPARE

Quant Time: Jul 24 14:02:40 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.54	152	135882	20.00	ng	-0.06
21) Naphthalene-d8	7.82	136	538145	20.00	ng	-0.06
38) Acenaphthene-d10	9.57	164	67964	20.00	ng	-0.06
63) Phenanthrene-d10	11.05	188	185796	20.00	ng	-0.06
75) Chrysene-d12	13.67	240	31871	20.00	ng	-0.06
86) Perylene-d12	15.03	264	1000	20.00	ng	-0.08

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.19	112	1029912	113.96	ng	-0.01
7) Phenol-d6	6.22	99	469074	43.25	ng	-0.04
23) Nitrobenzene-d5	7.10	82	795364	91.55	ng	-0.06
41) 2,4,6-Tribromophenol	10.36	330	243811	420.27	ng	-0.06
44) 2-Fluorobiphenyl	8.90	172	1226400	285.09	ng	-0.06
78) Terphenyl-d14	12.63	244	408370	222.21	ng	-0.06

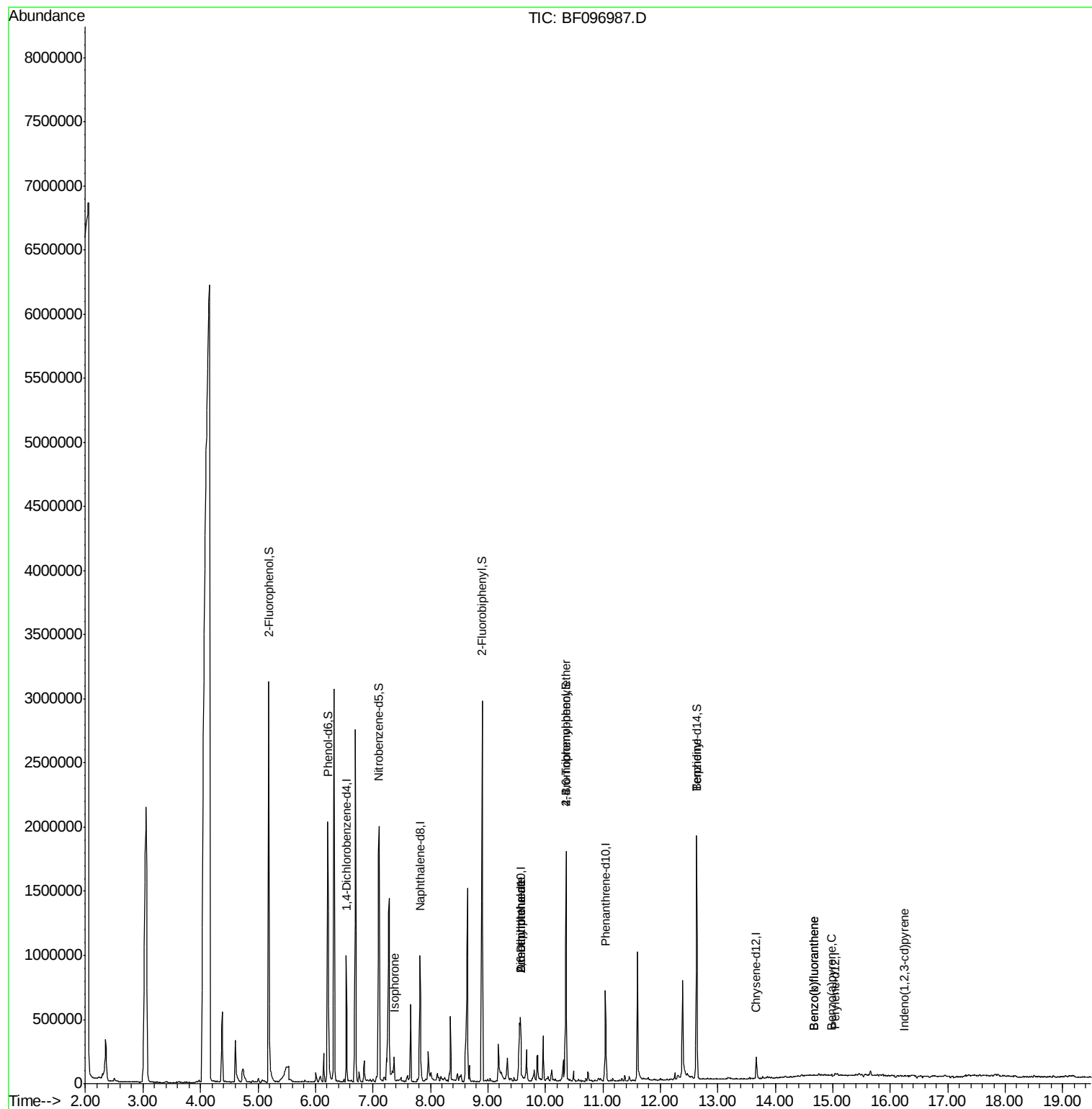
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Isophorone	7.37	82	66080	4.089	ng	97
49) Dimethylphthalate	9.57	163	41099	8.031	ng	# 1
50) 2,6-Dinitrotoluene	9.57	165	8816	7.953	ng	# 48
60) 4-Chlorophenyl-phenylether	9.96	204	880	Below Cal		# 1
66) 4-Bromophenyl-phenylether	10.36	248	15515	8.179	ng	# 1
76) Benzidine	12.63	184	5469	5.238	ng	# 51
85) Indeno(1,2,3-cd)pyrene	16.25	276	117	3.390	ng	# 44
87) Benzo(b)fluoranthene	14.66	252	856	14.193	ng	# 24
88) Benzo(k)fluoranthene	14.66	252	856	14.988	ng	# 27
89) Benzo(a)pyrene	14.98	252	119	2.151	ng	# 1

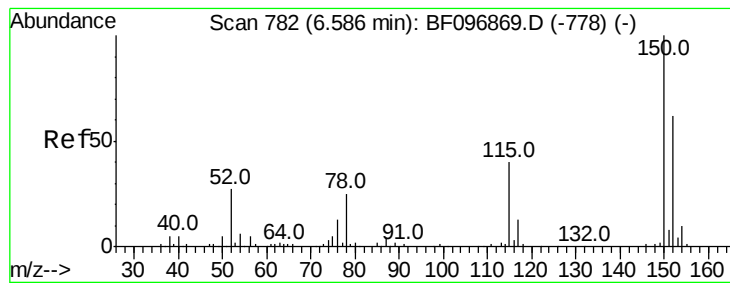
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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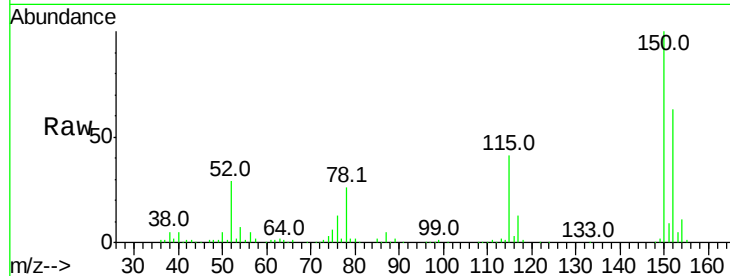


#1

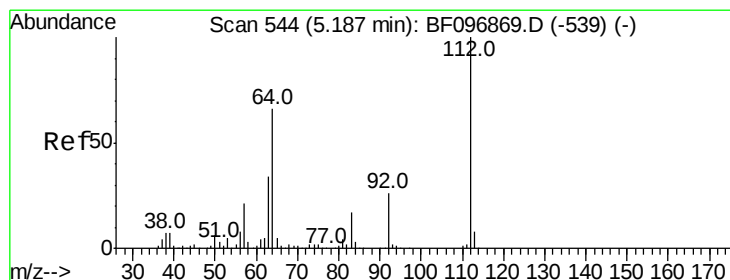
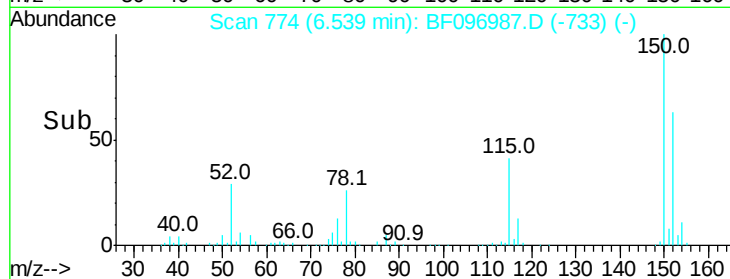
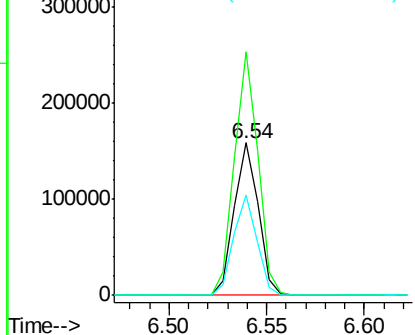
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.54 min Scan# 774
 Delta R.T. -0.06 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-TP-1-2-3-COMP

Tot Ion:152 Resp: 135882
 Ion Ratio Lower Upper
 152 100
 150 160.0 126.2 189.2
 115 66.3 52.2 78.2



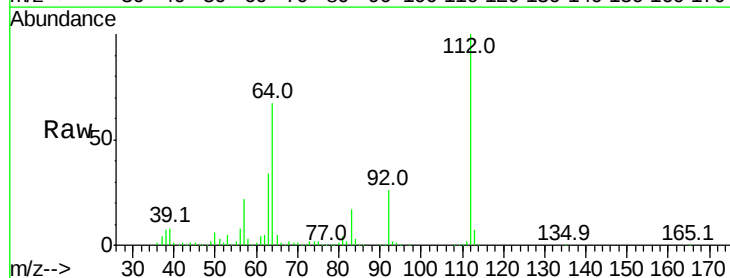
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



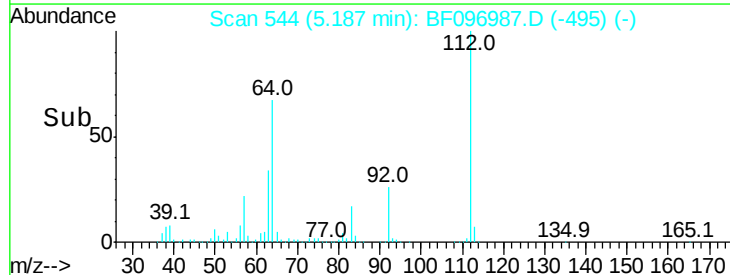
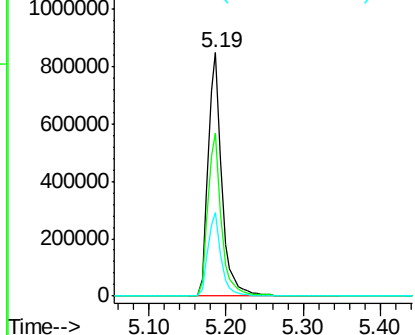
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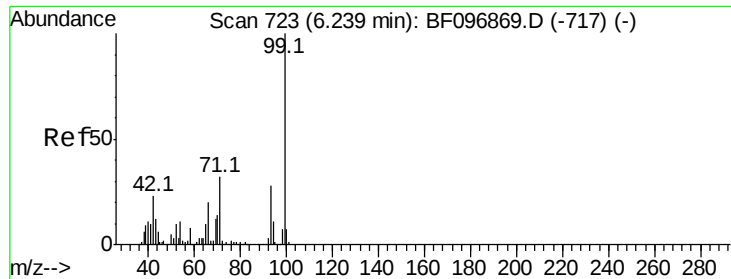
2-Fluorophenol
 Concen: 113.963 ng
 RT: 5.19 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

Tgt Ion:112 Resp: 1029912
 Ion Ratio Lower Upper
 112 100
 64 66.7 46.0 69.0
 63 34.1 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 43.253 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

Instrument :

BNA_F

ClientSampleId :

SP-1-TP-1-2-3-COMP

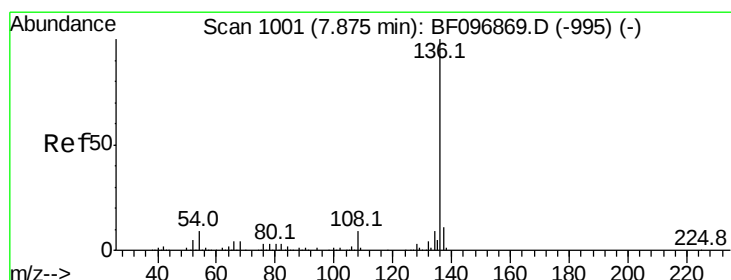
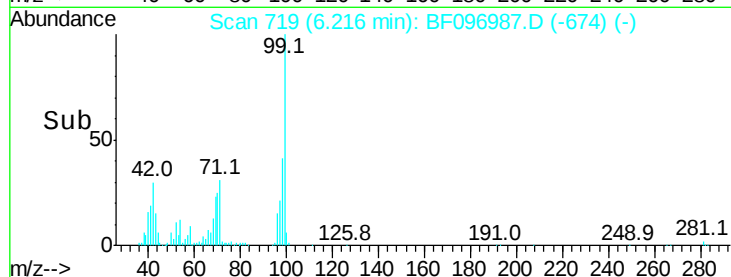
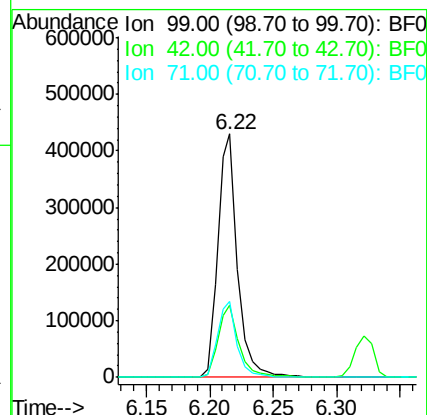
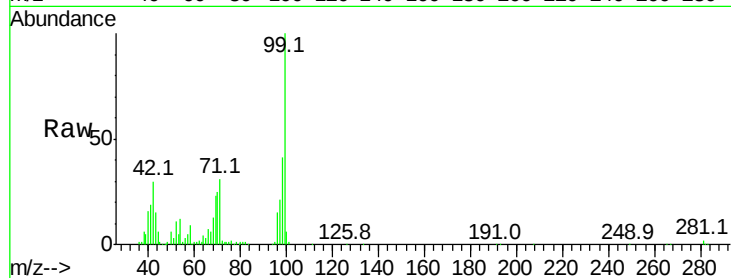
Tot Ion: 99 Resp: 469074

Ion Ratio Lower Upper

99 100

42 29.8 13.5 20.3#

71 31.3 24.5 36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.82 min Scan# 992

Delta R.T. -0.06 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

Tgt Ion: 136 Resp: 538145

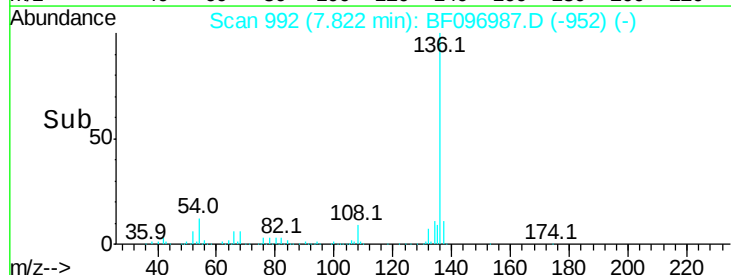
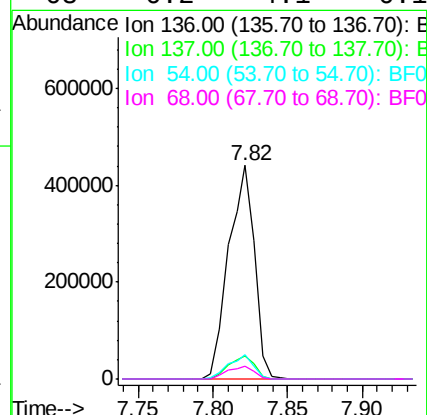
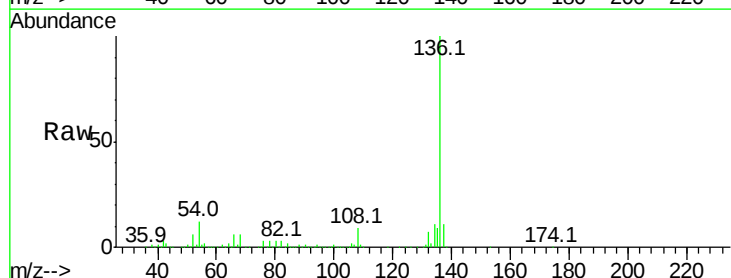
Ion Ratio Lower Upper

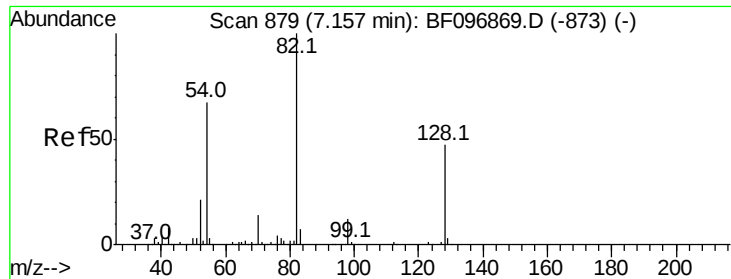
136 100

137 10.8 8.5 12.7

54 11.5 4.9 7.3#

68 6.2 4.1 6.1#

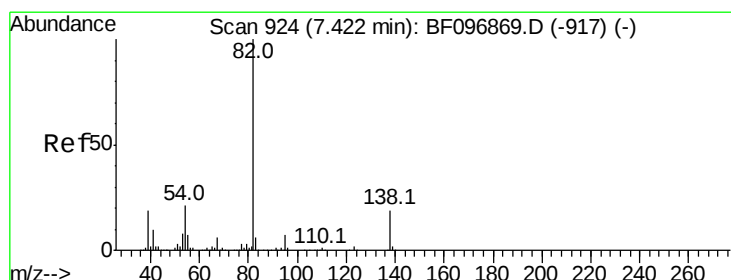
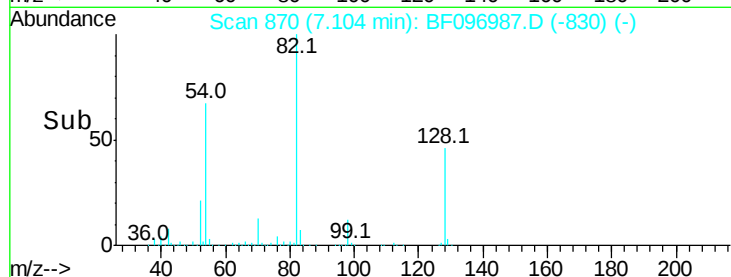
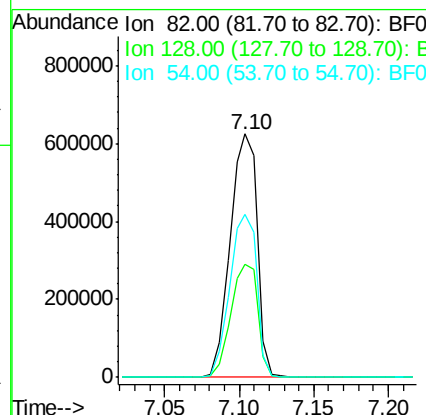
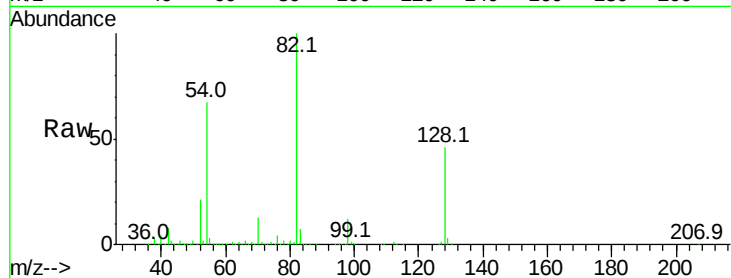




#23
 Nitrobenzene-d5
 Concen: 91.547 ng
 RT: 7.10 min Scan# 870
 Delta R.T. -0.06 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

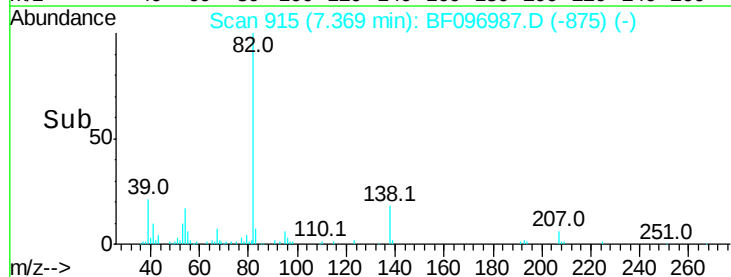
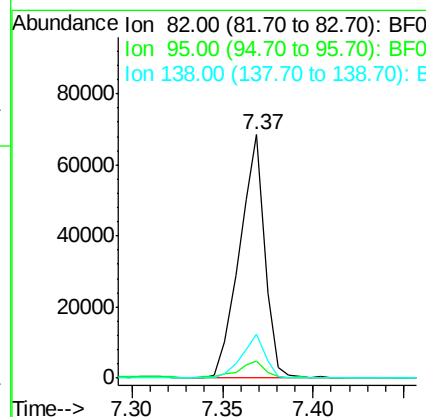
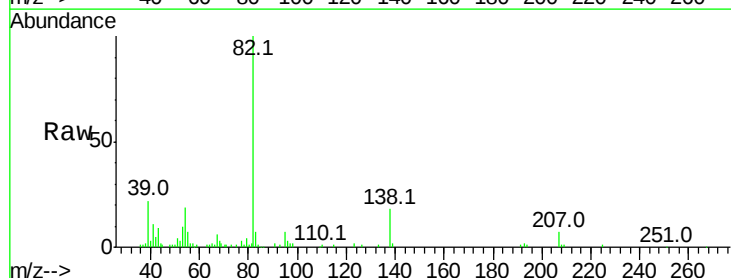
Instrument :
 BNA_F
 ClientSampleId :
 SP-1-TP-1-2-3-COMP

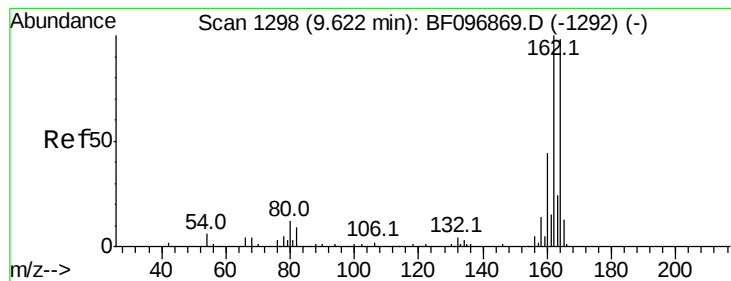
Tot Ion: 82 Resp: 795364
 Ion Ratio Lower Upper
 82 100
 128 46.2 34.0 51.0
 54 67.0 42.2 63.2#



#25
 Isophorone
 Concen: 4.089 ng
 RT: 7.37 min Scan# 915
 Delta R.T. -0.06 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

Tgt Ion: 82 Resp: 66080
 Ion Ratio Lower Upper
 82 100
 95 7.0 5.3 7.9
 138 17.9 13.1 19.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.57 min Scan# 1289

Delta R.T. -0.06 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

Instrument :

BNA_F

ClientSampleId :

SP-1-TP-1-2-3-COMP

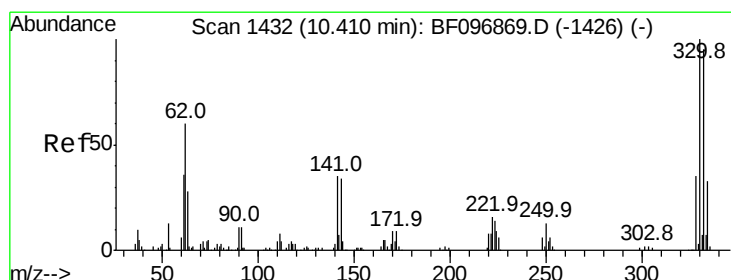
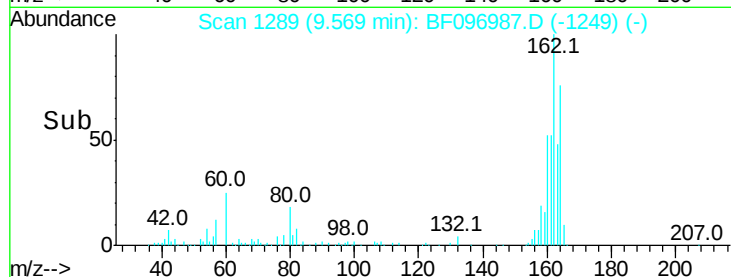
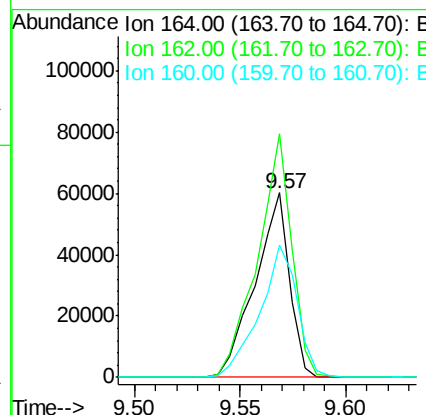
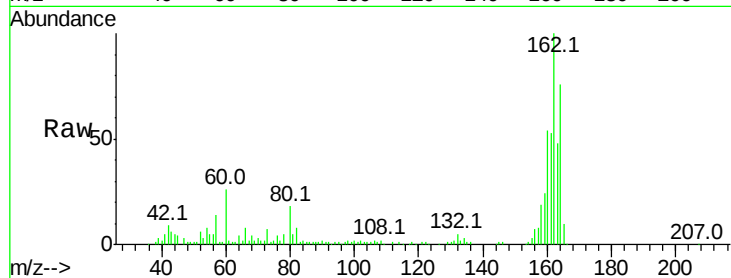
Tot Ion:164 Resp: 67964

Ion Ratio Lower Upper

164 100

162 132.1 82.6 123.8#

160 71.4 36.2 54.2#



#41

2,4,6-Tribromophenol

Concen: 420.269 ng

RT: 10.36 min Scan# 1424

Delta R.T. -0.06 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

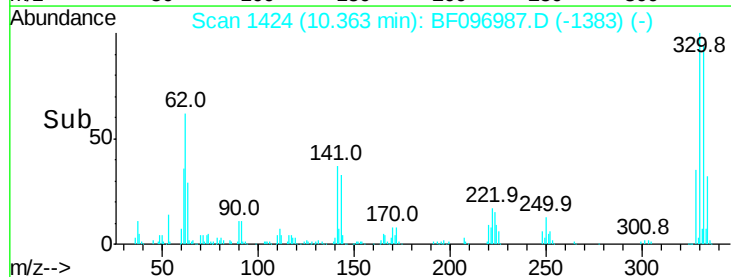
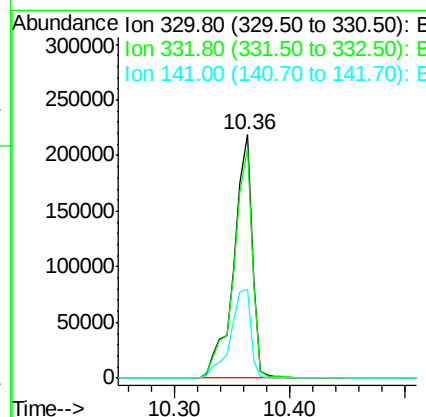
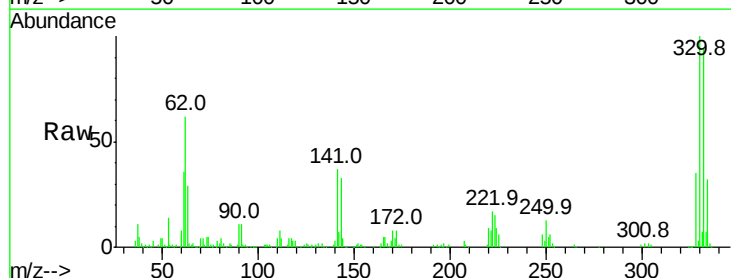
Tgt Ion:330 Resp: 243811

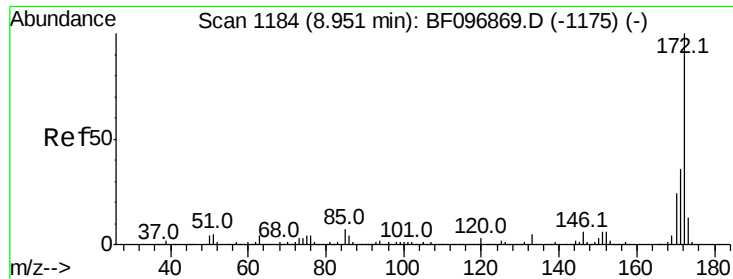
Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

141 40.2 31.4 47.2

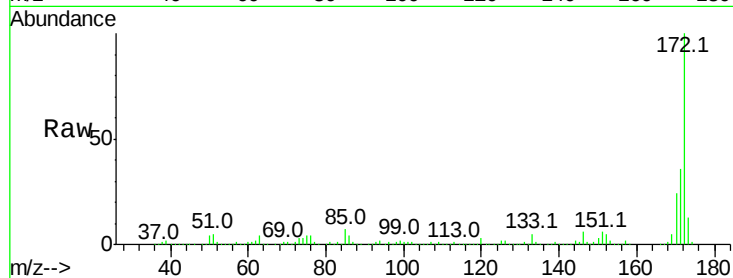




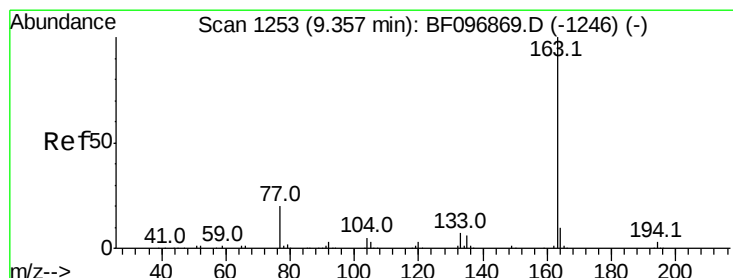
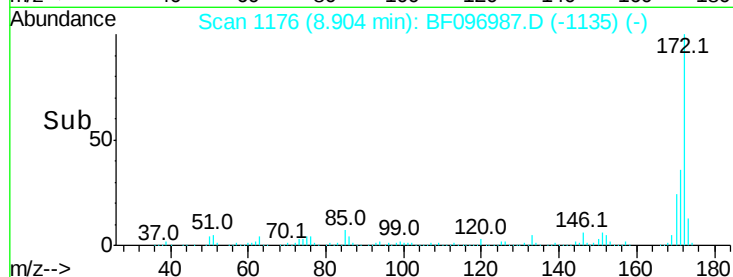
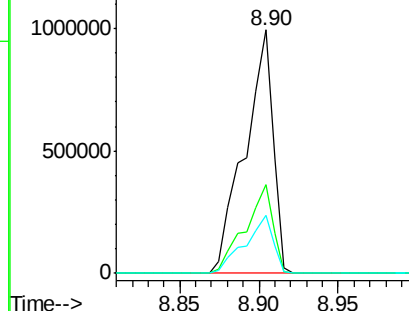
#44
2-Fluorobiphenyl
Concen: 285.094 ng
RT: 8.90 min Scan# 1176
Delta R.T. -0.06 min
Lab File: BF096987.D
Acq: 24 Jul 2017 13:20

Instrument :
BNA_F
ClientSampleId :
SP-1-TP-1-2-3-COMP

Tot Ion:172 Resp: 1226400
Ion Ratio Lower Upper
172 100
171 36.5 29.6 44.4
170 24.1 19.8 29.8

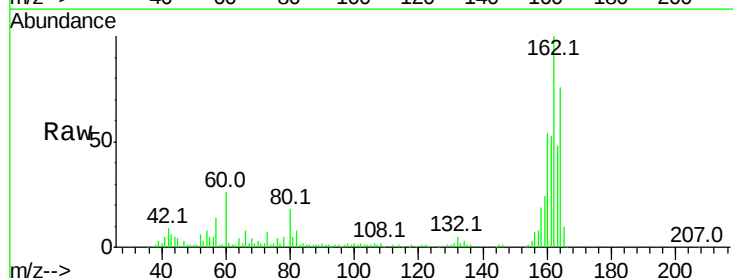


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

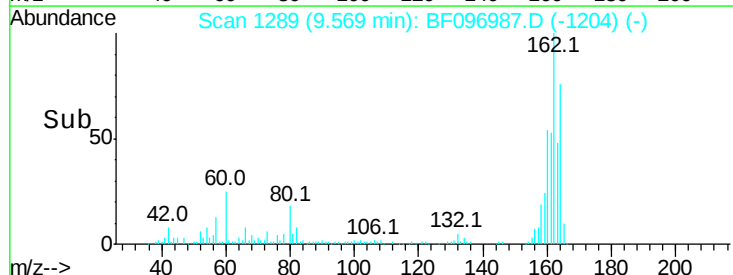
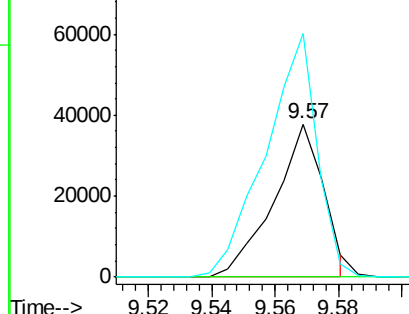


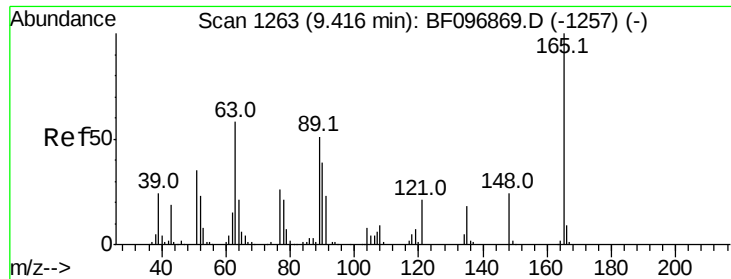
#49
Dimethylphthalate
Concen: 8.031 ng
RT: 9.57 min Scan# 1289
Delta R.T. 0.20 min
Lab File: BF096987.D
Acq: 24 Jul 2017 13:20

Tgt Ion:163 Resp: 41099
Ion Ratio Lower Upper
163 100
194 0.0 2.6 4.0#
164 159.2 8.4 12.6#



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

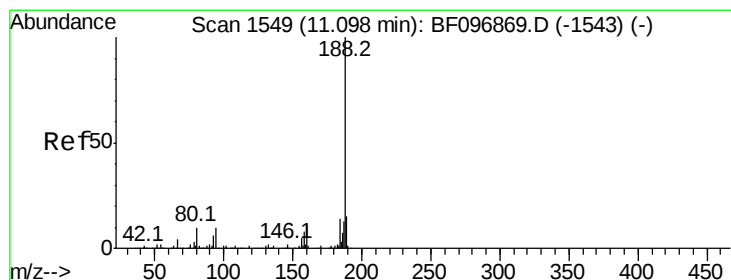
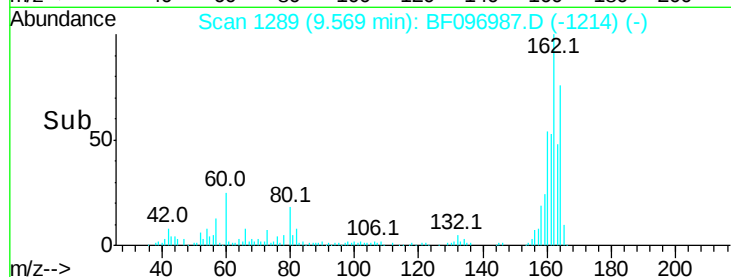
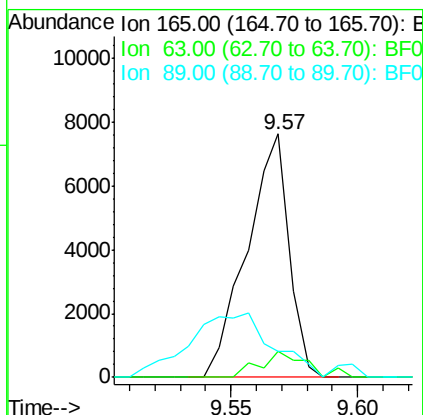
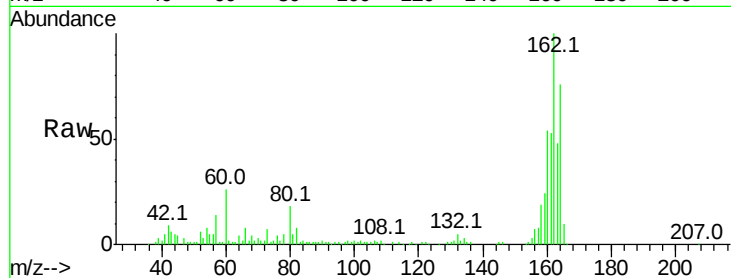




#50
 2,6-Dinitrotoluene
 Concen: 7.953 ng
 RT: 9.57 min Scan# 1289
 Delta R.T. 0.14 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

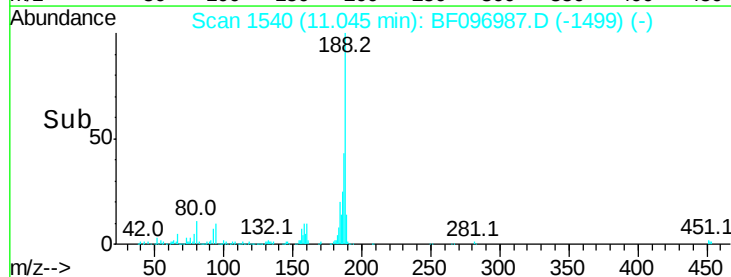
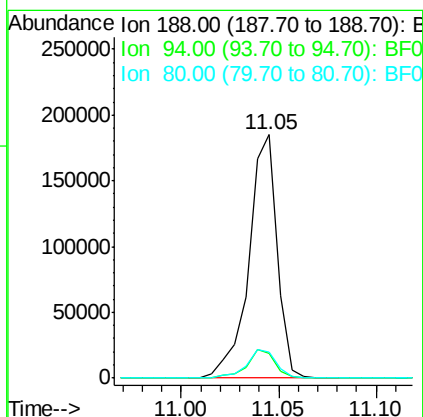
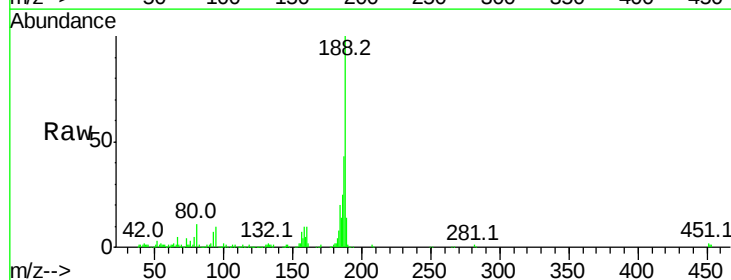
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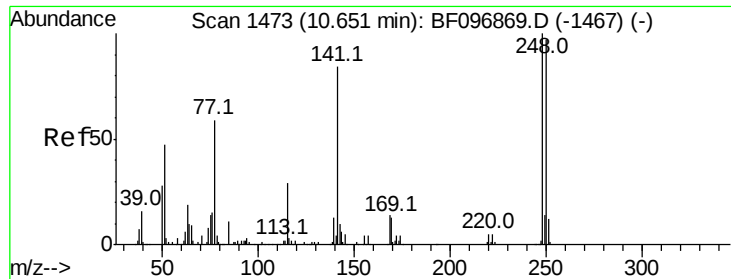
Tot Ion:165 Resp: 8816
 Ion Ratio Lower Upper
 165 100
 63 10.6 34.3 51.5#
 89 10.9 37.1 55.7#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.05 min Scan# 1540
 Delta R.T. -0.06 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

Tgt Ion:188 Resp: 185796
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 10.7 10.2 15.2

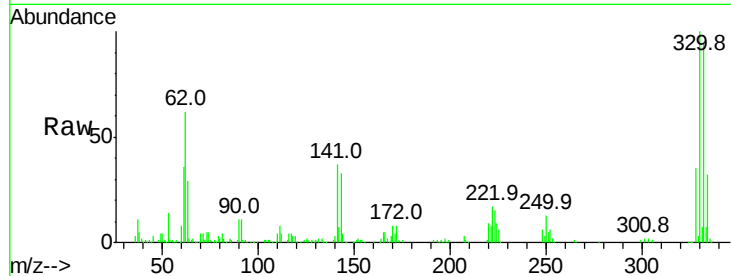




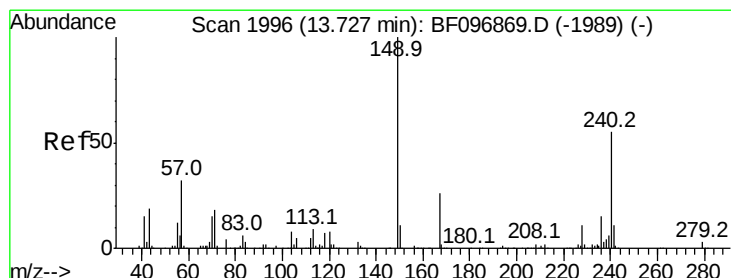
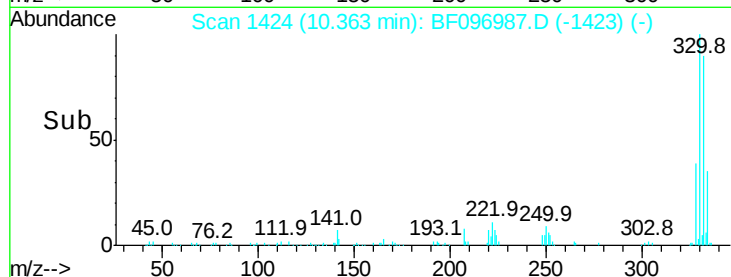
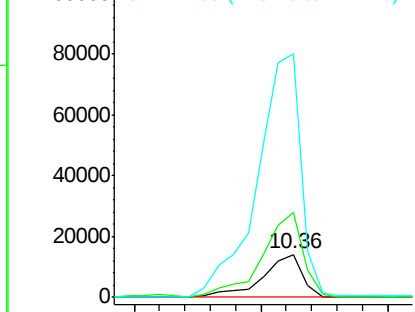
#66
 4-Bromophenyl-phenylether
 Concen: 8.179 ng
 RT: 10.36 min Scan# 1424
 Delta R.T. -0.29 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

Instrument :
 BNA_F
 ClientSampleId :
 SP-1-TP-1-2-3-COMP

Tot Ion:248 Resp: 15515
 Ion Ratio Lower Upper
 248 100
 250 196.7 76.8 115.2#
 141 567.0 68.6 103.0#

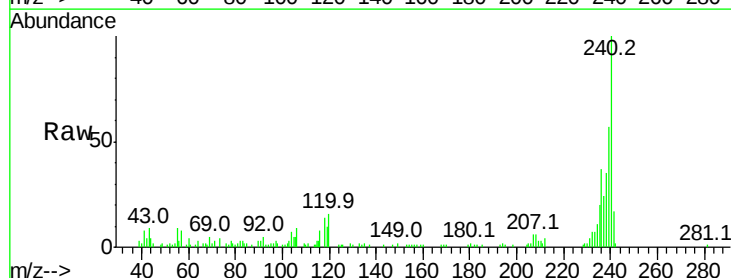


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

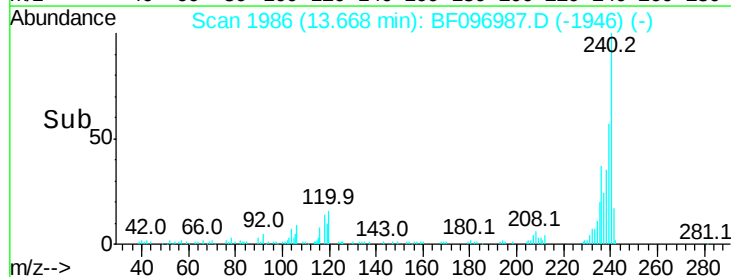
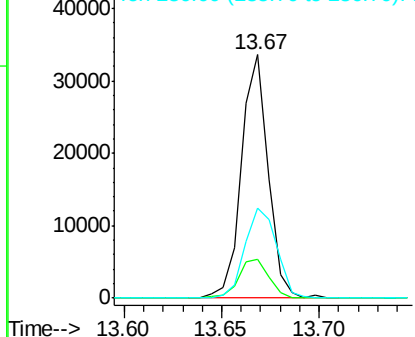


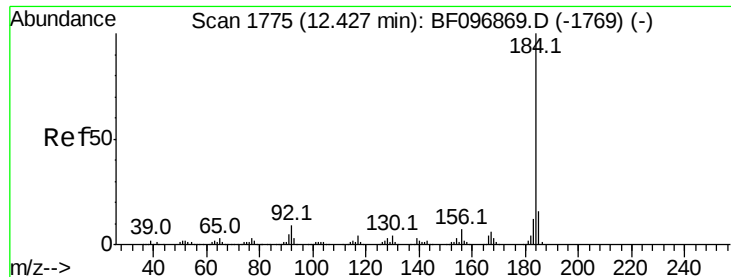
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.67 min Scan# 1986
 Delta R.T. -0.06 min
 Lab File: BF096987.D
 Acq: 24 Jul 2017 13:20

Tgt Ion:240 Resp: 31871
 Ion Ratio Lower Upper
 240 100
 120 15.9 5.8 8.8#
 236 37.2 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





#76

Benzidine

Concen: 5.238 ng

RT: 12.63 min Scan# 1810

Delta R.T. 0.20 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

Instrument :

BNA_F

ClientSampleId :

SP-1-TP-1-2-3-COMP

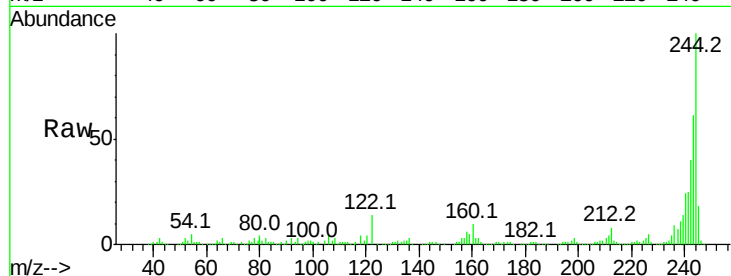
Tot Ion:184 Resp: 5469

Ion Ratio Lower Upper

184 100

185 30.5 15.5 23.3#

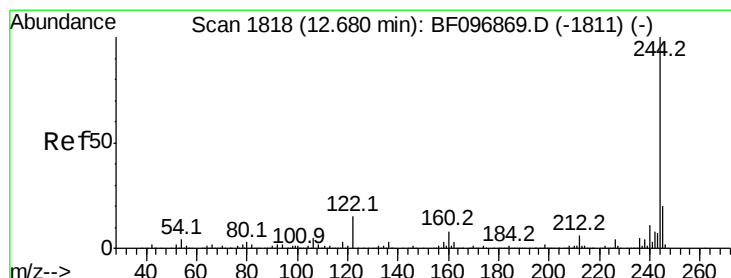
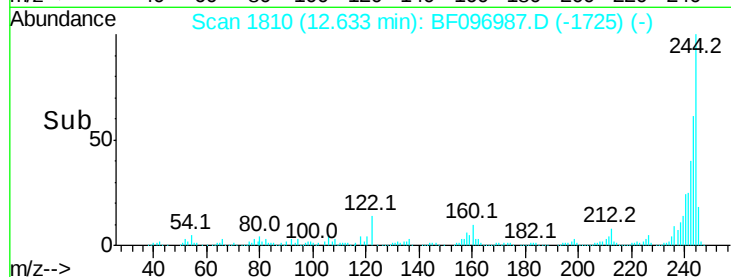
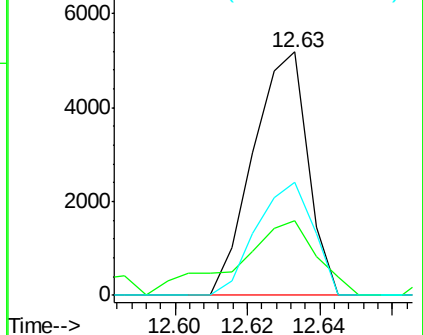
183 46.4 9.8 14.6#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Terphenyl-d14

Concen: 222.215 ng

RT: 12.63 min Scan# 1809

Delta R.T. -0.06 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

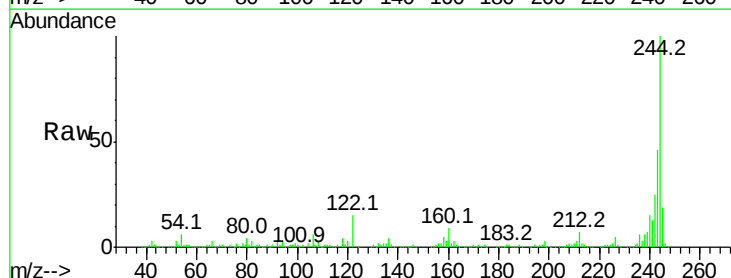
Tgt Ion:244 Resp: 408370

Ion Ratio Lower Upper

244 100

212 7.1 6.0 9.0

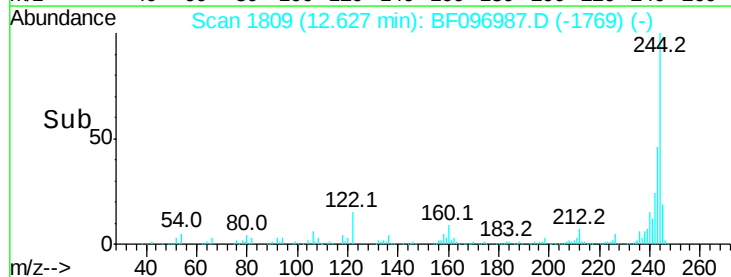
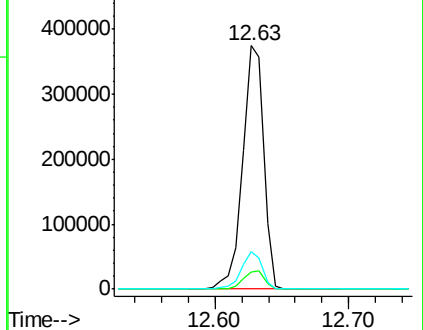
122 15.3 10.3 15.5

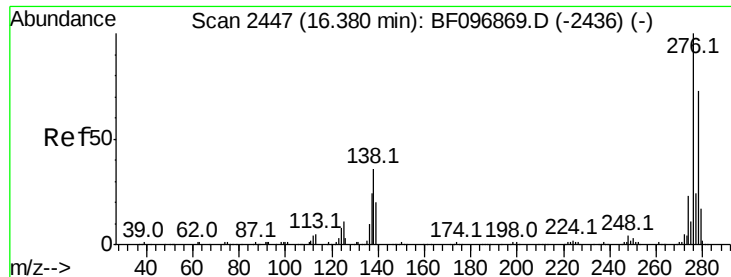


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

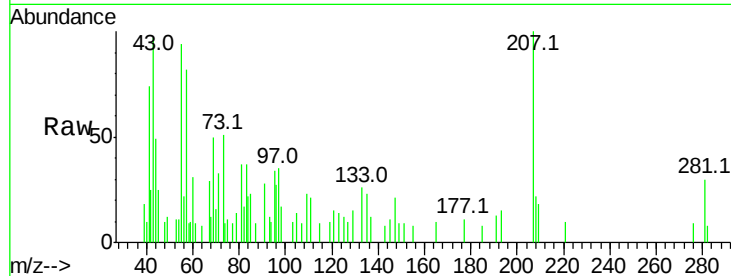




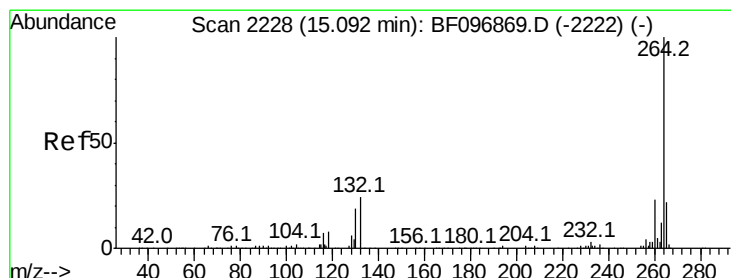
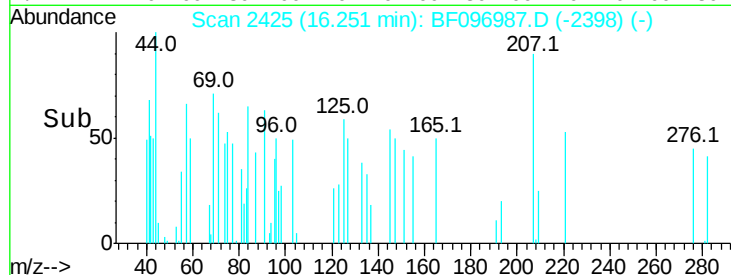
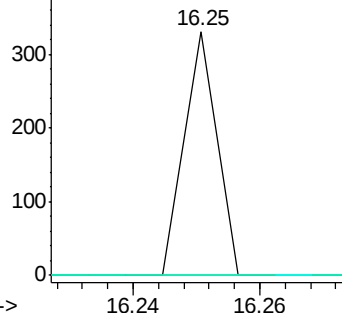
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.390 ng
RT: 16.25 min Scan# 2425
Delta R.T. -0.14 min
Lab File: BF096987.D
Acq: 24 Jul 2017 13:20

Instrument :
BNA_F
ClientSampleId :
SP-1-TP-1-2-3-COMP

Tot Ion:276 Resp: 117
Ion Ratio Lower Upper
276 100
138 0.0 27.8 41.6#
277 0.0 20.2 30.4#

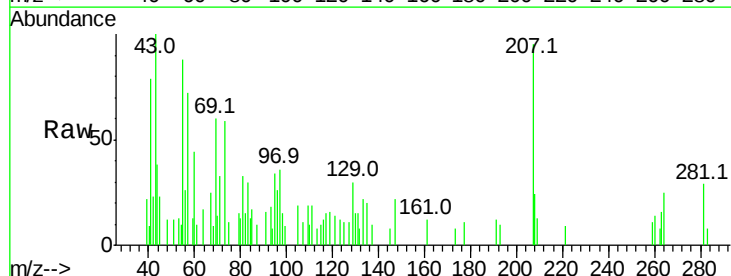


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

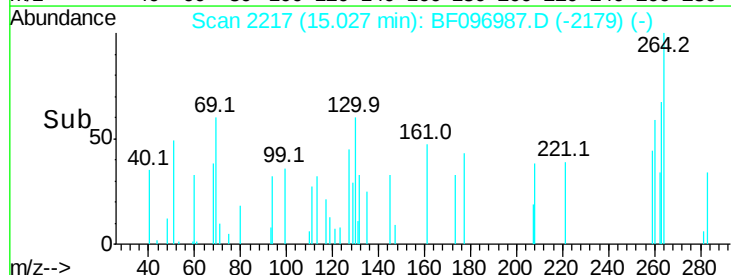
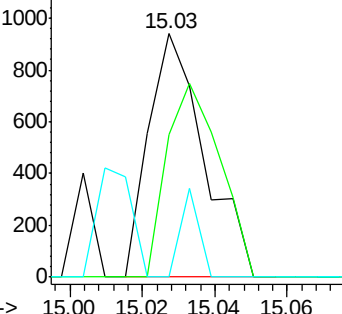


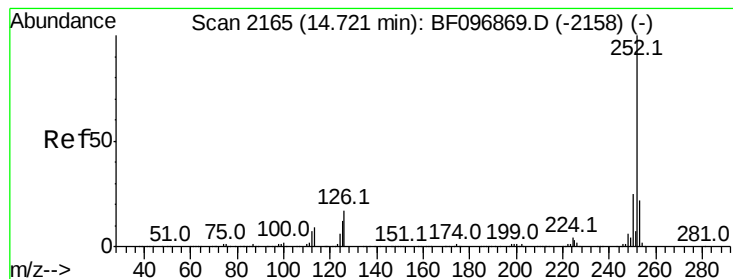
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.03 min Scan# 2217
Delta R.T. -0.08 min
Lab File: BF096987.D
Acq: 24 Jul 2017 13:20

Tgt Ion:264 Resp: 1000
Ion Ratio Lower Upper
264 100
260 58.6 19.5 29.3#
265 0.0 17.2 25.8#



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





#87

Benzo(b)fluoranthene

Concen: 14.193 ng

RT: 14.66 min Scan# 2155

Delta R.T. -0.06 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

Instrument :

BNA_F

ClientSampleId :

SP-1-TP-1-2-3-COMP

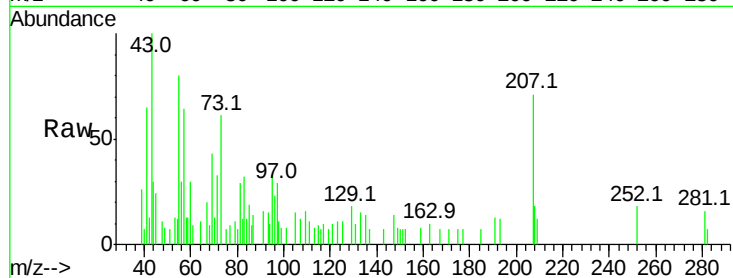
Tot Ion:252 Resp: 856

Ion Ratio Lower Upper

252 100

253 0.0 18.1 27.1#

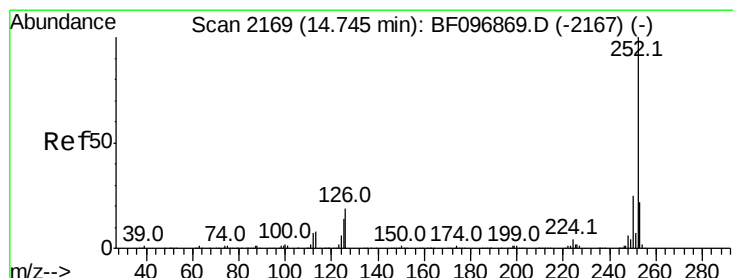
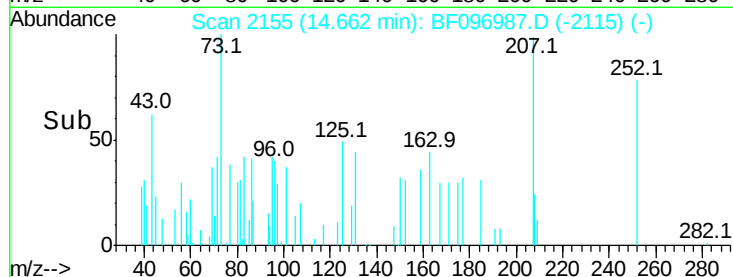
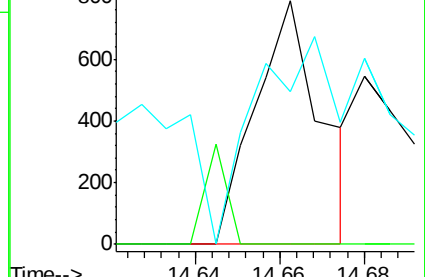
125 62.7 9.8 14.8#



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



#88

Benzo(k)fluoranthene

Concen: 14.988 ng

RT: 14.66 min Scan# 2155

Delta R.T. -0.09 min

Lab File: BF096987.D

Acq: 24 Jul 2017 13:20

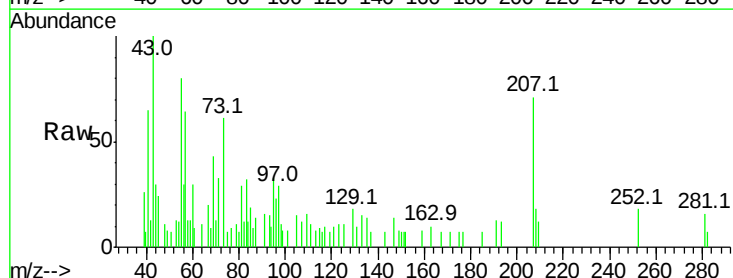
Tgt Ion:252 Resp: 856

Ion Ratio Lower Upper

252 100

253 0.0 18.4 27.6#

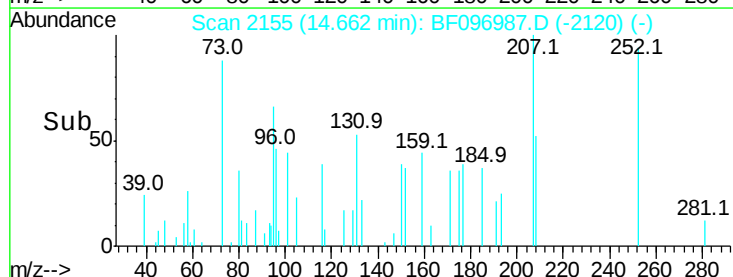
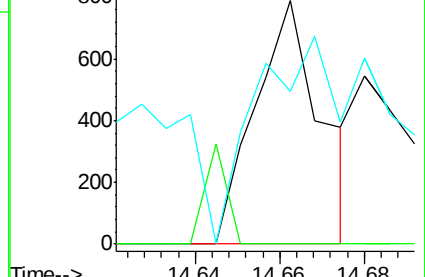
125 62.7 13.1 19.7#

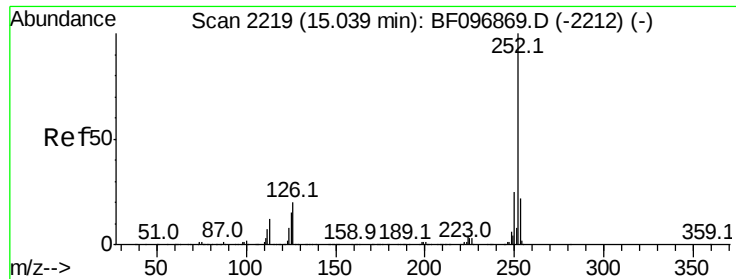


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.151 ng

RT: 14.98 min Scan# 2209

Delta R.T. -0.07 min

Lab File: BF096987.D

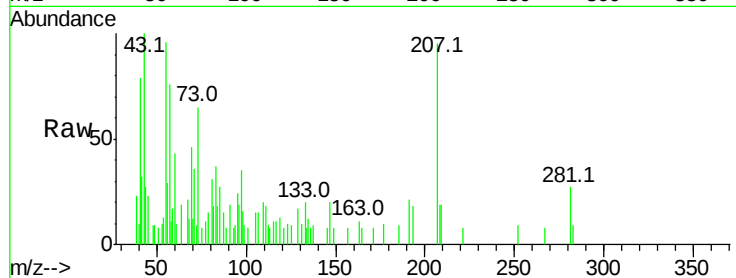
Acq: 24 Jul 2017 13:20

Instrument :

BNA_F

ClientSampleId :

SP-1-TP-1-2-3-COMP



Tot Ion: 252 Resp: 119

Ion Ratio Lower Upper

252 100

253 0.0 17.5 26.3#

125 109.8 11.0 16.4#

