

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\OLD\
 Data File : BF086475.D
 Acq On : 28 Apr 2016 20:56
 Operator : UM/SJ
 Sample : H2654-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-5(0-6FTBGS)

Quant Time: Apr 29 08:53:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF042716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 27 14:20:52 2016
 Response via : Initial Calibration

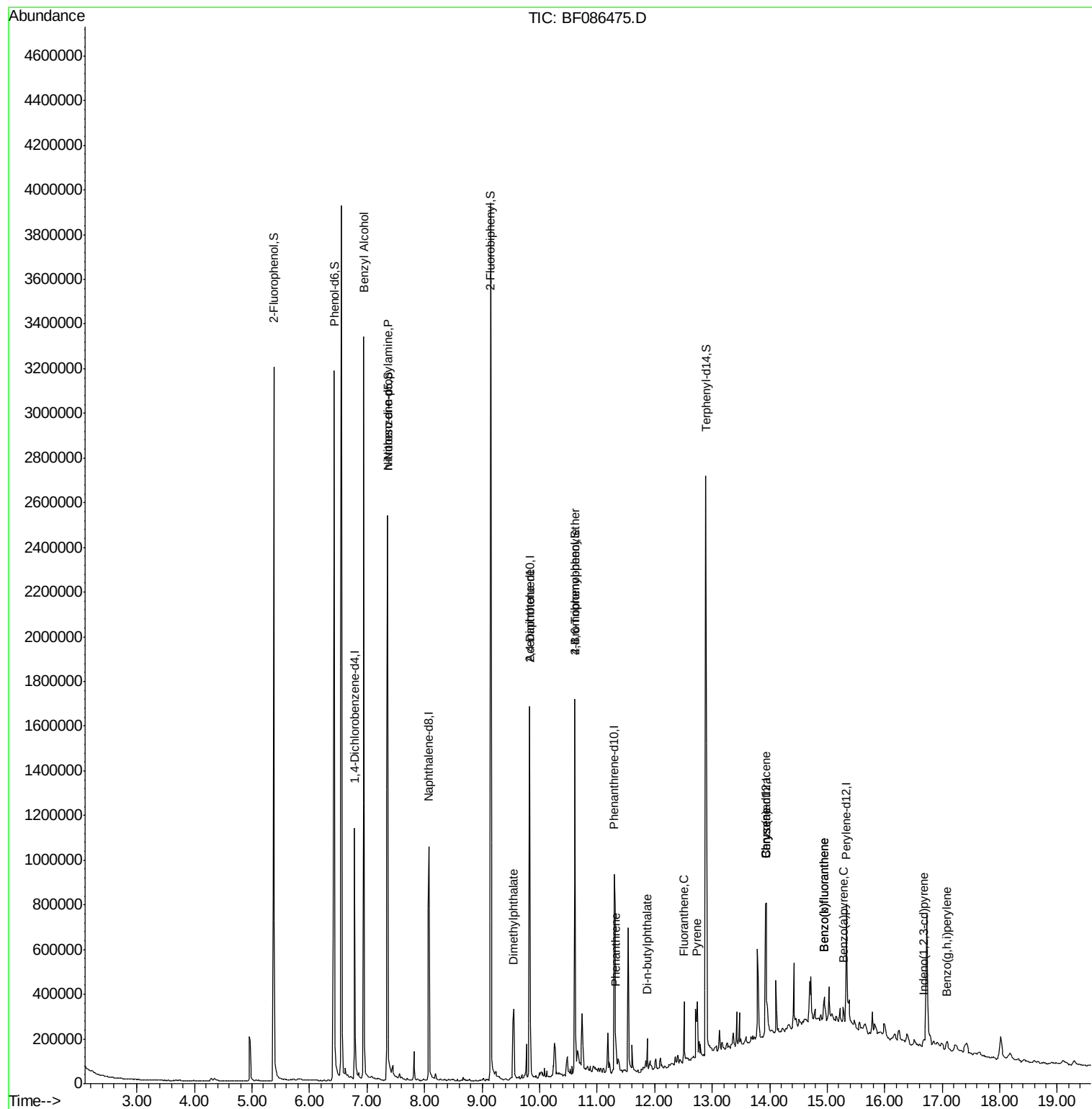
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	160978	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	664553	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	309778	20.00	ng	-0.02
63) Phenanthrene-d10	11.30	188	503342	20.00	ng	-0.02
75) Chrysene-d12	13.94	240	309823	20.00	ng	-0.02
86) Perylene-d12	15.33	264	309121	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	890723	95.44	ng	-0.01
7) Phenol-d6	6.43	99	1533029	117.69	ng	-0.01
23) Nitrobenzene-d5	7.36	82	1004518	81.48	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	237071	72.57	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1341953	73.54	ng	-0.02
78) Terphenyl-d14	12.89	244	1007623	71.65	ng	-0.02
Target Compounds						Qvalue
15) Benzyl Alcohol	6.94	79	16819	2.04	ng	# 37
19) n-Nitroso-di-n-propylamine	7.36	70	132826	15.43	ng	# 78
49) Dimethylphthalate	9.55	163	181648	7.79	ng	98
56) 2,4-Dinitrotoluene	9.82	165	40304	6.56	ng	# 16
66) 4-Bromophenyl-phenylether	10.61	248	14140	2.73	ng	# 1
70) Phenanthrene	11.32	178	52938	2.00	ng	100
73) Di-n-butylphthalate	11.87	149	65967	2.33	ng	# 99
74) Fluoranthene	12.51	202	117536	4.41	ng	96
77) Pyrene	12.74	202	112533	5.04	ng	98
80) Benzo(a)anthracene	13.93	228	58427	3.54	ng	95
82) Chrysene	13.93	228	58427	3.25	ng	97
85) Indeno(1,2,3-cd)pyrene	16.68	276	33743	2.54	ng	94
87) Benzo(b)fluoranthene	14.95	252	84080	4.62	ng	# 92
88) Benzo(k)fluoranthene	14.95	252	84401	4.45	ng	# 90
89) Benzo(a)pyrene	15.28	252	46469	2.71	ng	# 89
91) Benzo(g,h,i)perylene	17.08	276	31324	2.22	ng	96

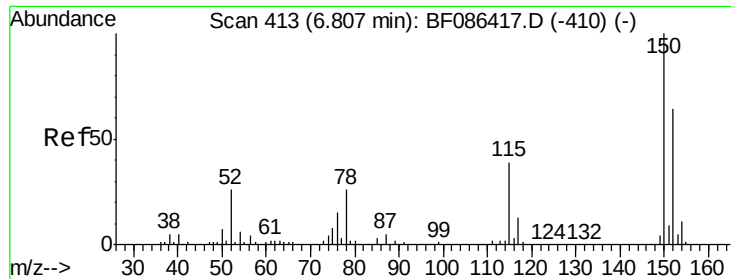
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

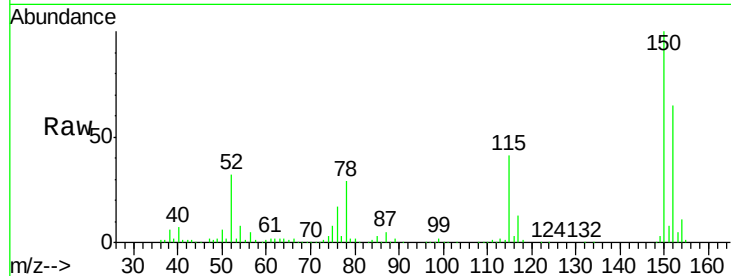
Tot Ion:152 Resp: 160978

Ion Ratio Lower Upper

152 100

150 154.6 125.8 188.6

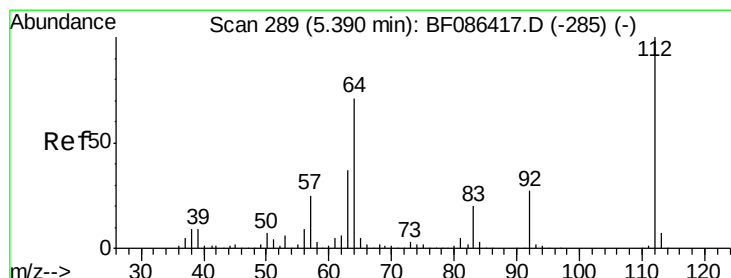
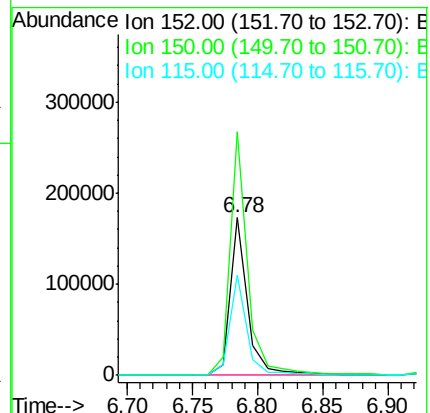
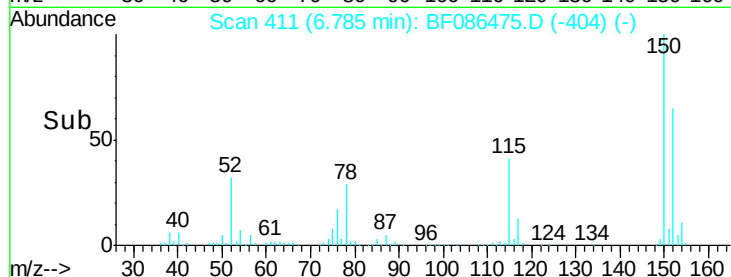
115 63.7 51.5 77.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 95.44 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.01 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

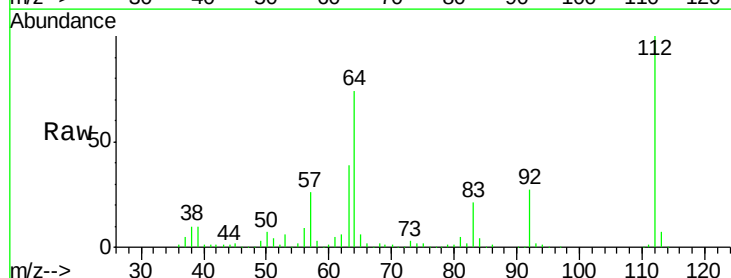
Tgt Ion:112 Resp: 890723

Ion Ratio Lower Upper

112 100

64 73.8 52.1 78.1

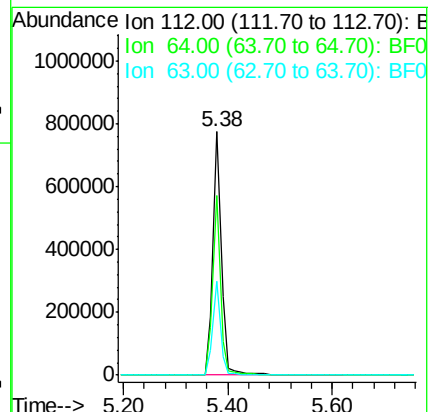
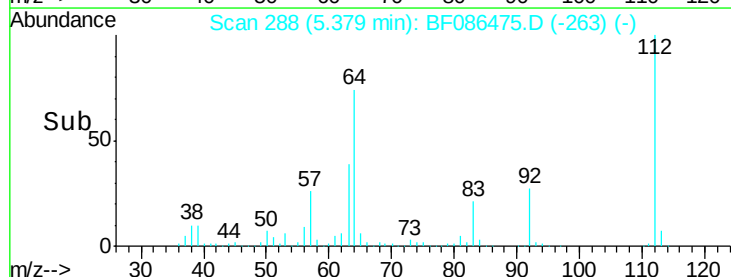
63 38.5 25.7 38.5

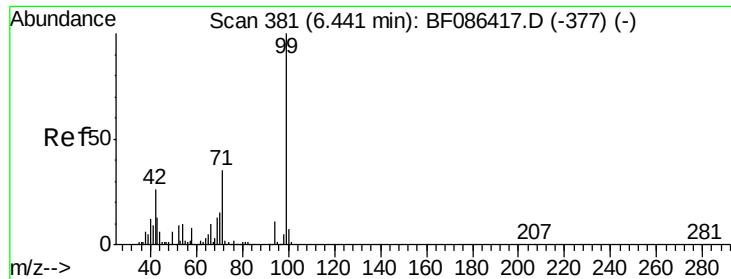


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 117.69 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

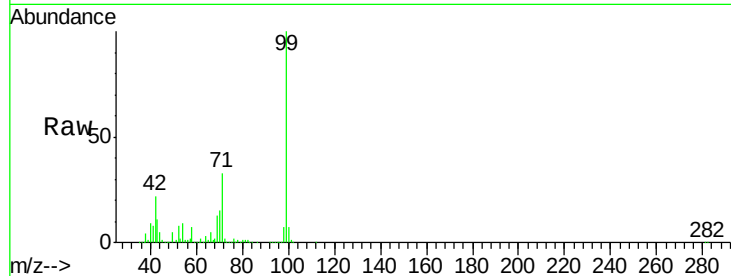
BNA_F

ClientSampleId :

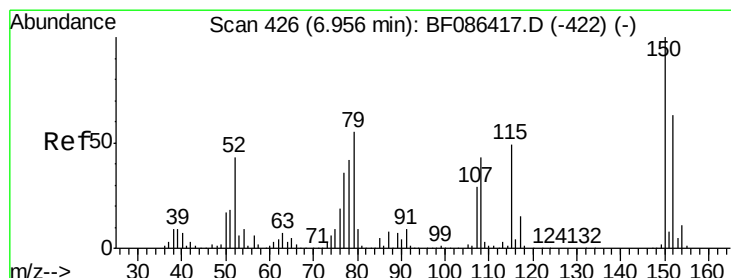
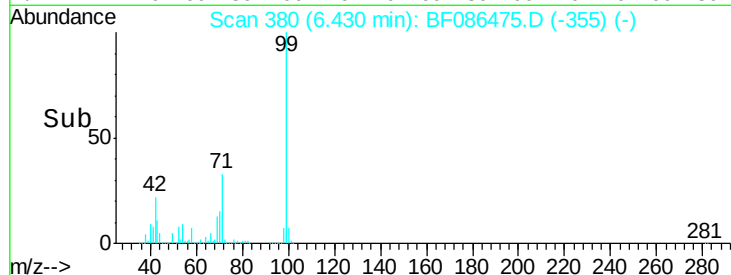
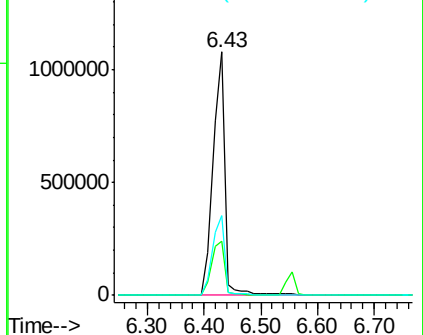
26WARD-2A-CS-5(0-6FTBGS)

Tot Ion: 99 Resp: 1533029

Ion	Ratio	Lower	Upper
99	100		
42	22.2	13.6	20.4#
71	32.9	24.6	36.8



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



#15

Benzyl Alcohol

Concen: 2.04 ng

RT: 6.94 min Scan# 425

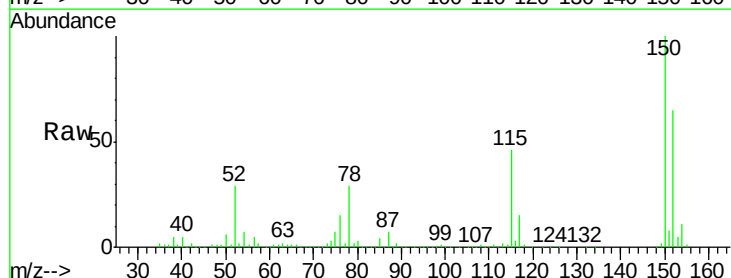
Delta R.T. -0.01 min

Lab File: BF086475.D

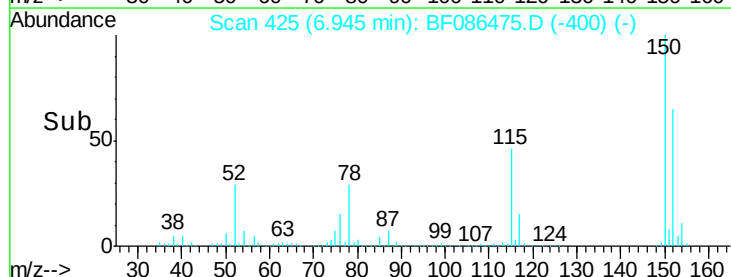
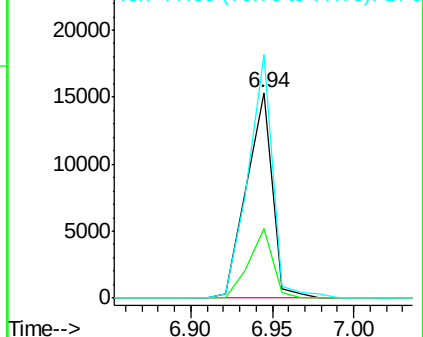
Acq: 28 Apr 2016 20:56

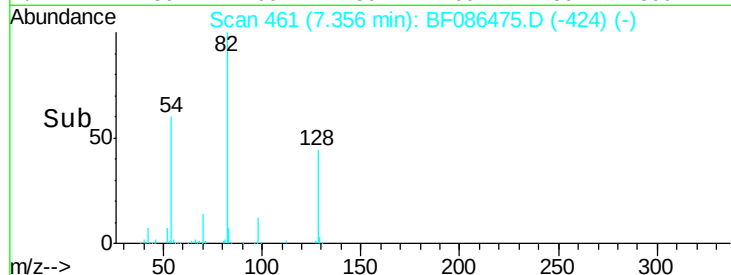
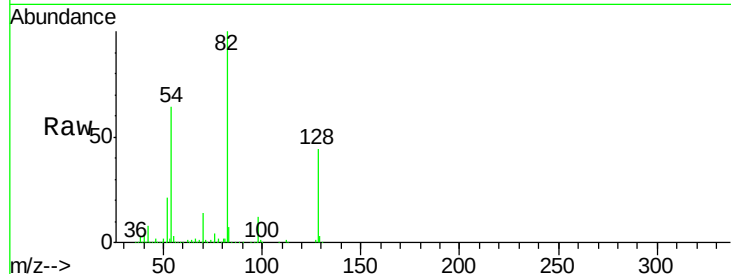
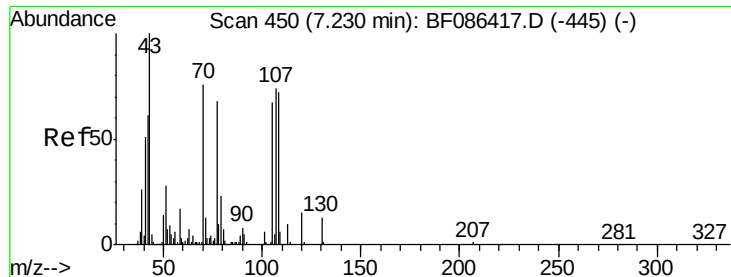
Tgt Ion: 79 Resp: 16819

Ion	Ratio	Lower	Upper
79	100		
108	33.9	68.4	102.6#
77	118.5	50.6	76.0#



Abundance Ion 79.00 (78.70 to 79.70): BF0
Ion 108.00 (107.70 to 108.70): BF0
Ion 77.00 (76.70 to 77.70): BF0

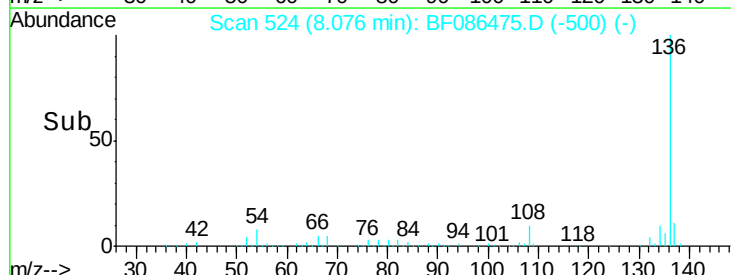
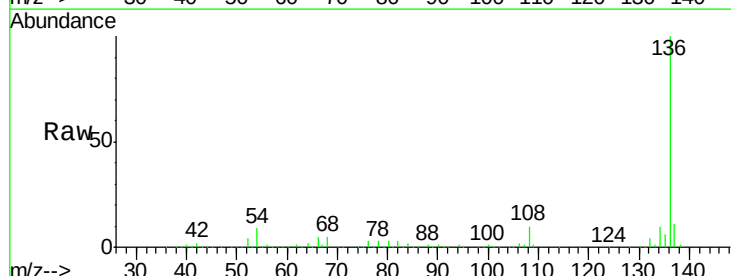
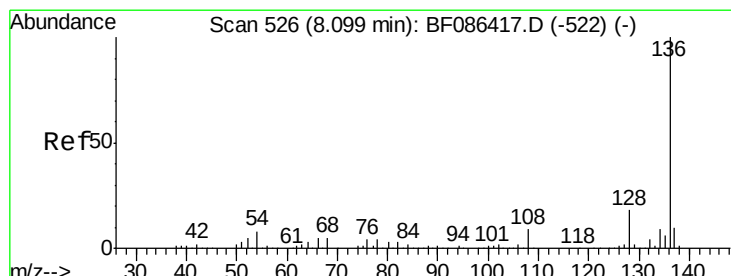
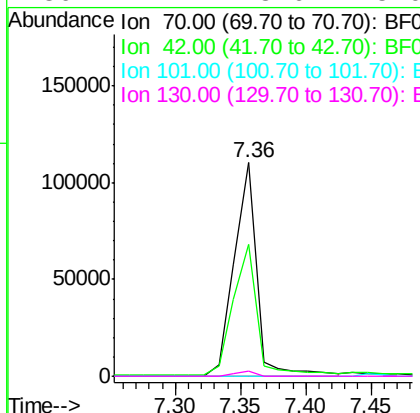




#19
n-Nitroso-di-n-propylamine
Concen: 15.43 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.13 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

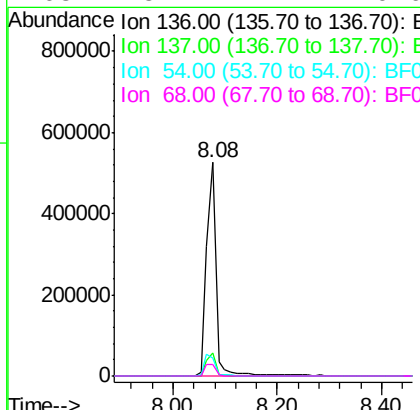
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

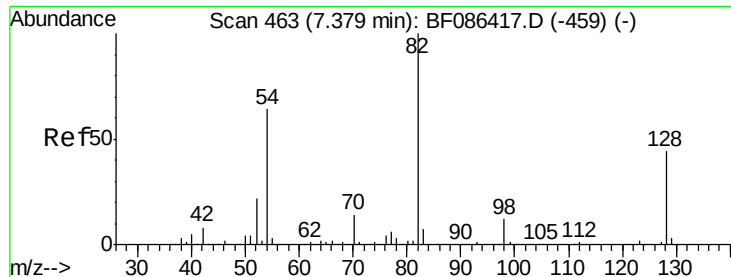
Tot Ion: 70 Resp: 132826
Ion Ratio Lower Upper
70 100
42 62.0 43.1 64.7
101 0.0 8.1 12.1#
130 2.2 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion:136 Resp: 664553
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 8.5 5.0 7.4#
68 5.4 4.4 6.6

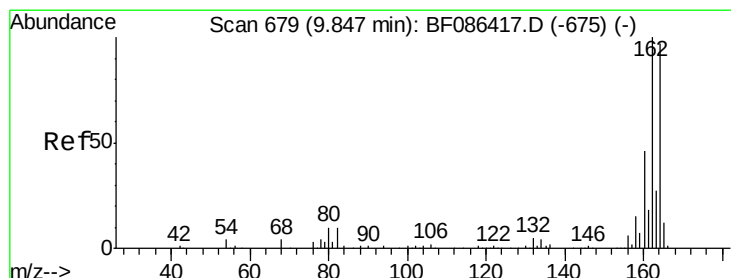
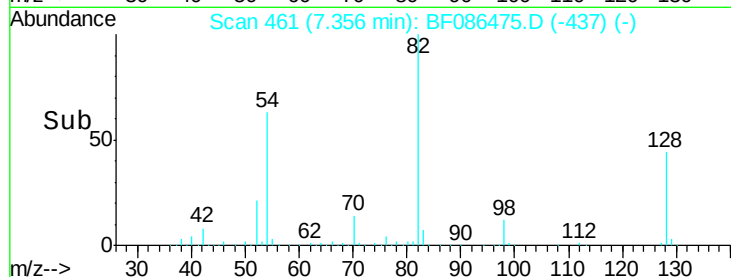
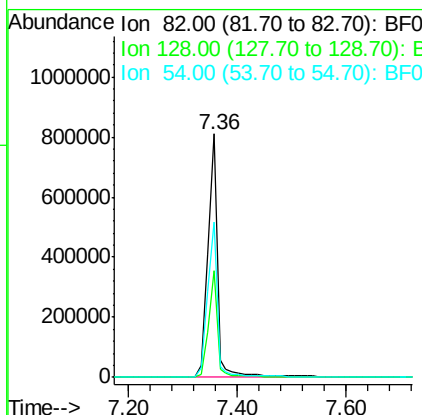
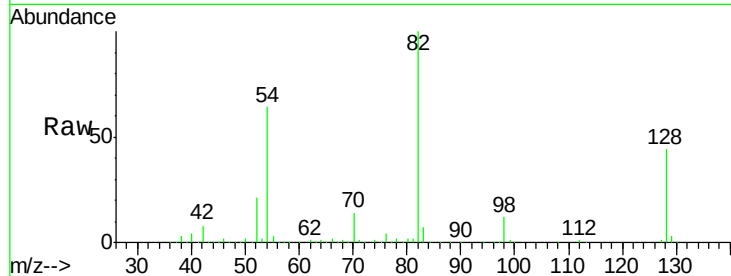




#23
 Nitrobenzene-d5
 Concen: 81.48 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.02 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

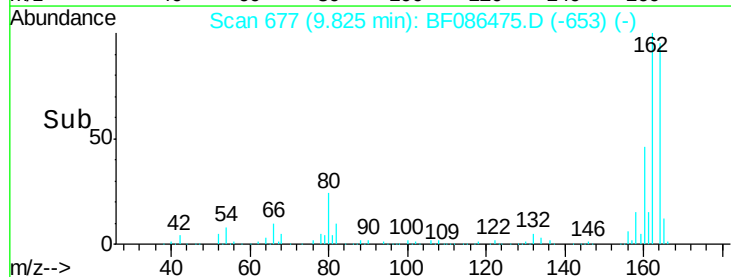
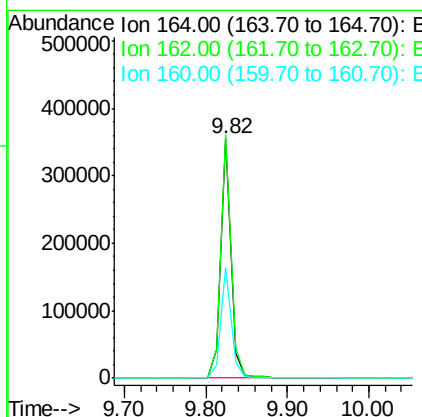
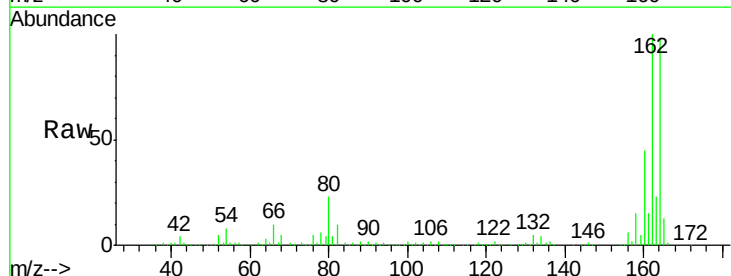
Instrument :
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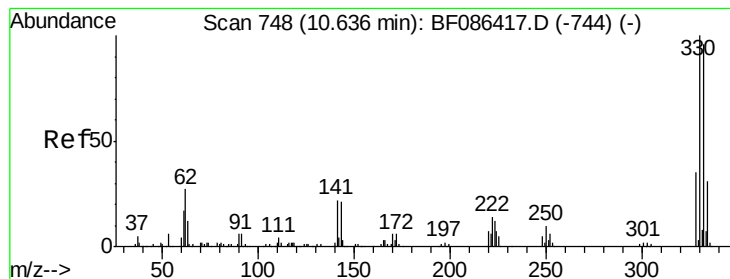
Tot Ion: 82 Resp: 1004518
 Ion Ratio Lower Upper
 82 100
 128 43.7 40.6 61.0
 54 63.5 38.1 57.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

Tgt Ion: 164 Resp: 309778
 Ion Ratio Lower Upper
 164 100
 162 101.7 82.8 124.2
 160 46.2 36.9 55.3





#41

2,4,6-Tribromophenol

Concen: 72.57 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

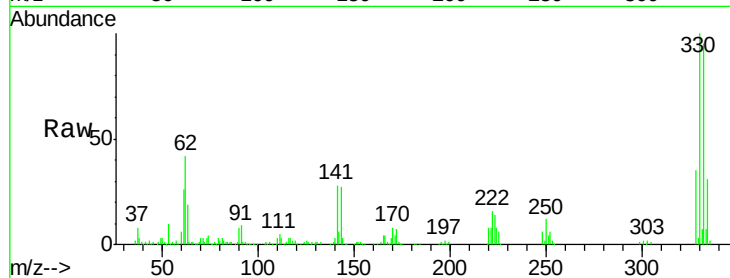
Tot Ion:330 Resp: 237071

Ion Ratio Lower Upper

330 100

332 94.7 79.0 118.4

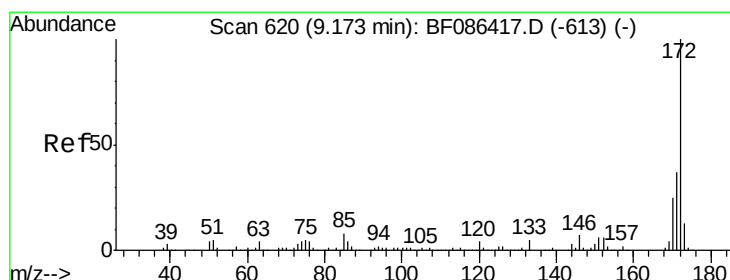
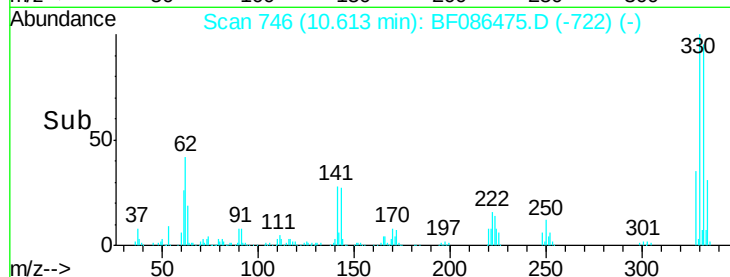
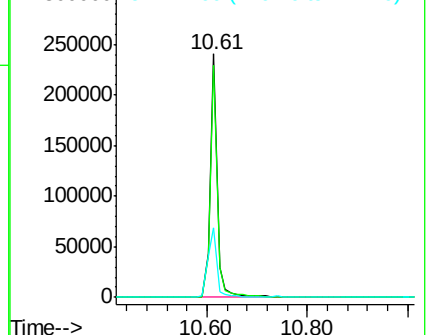
141 36.3 31.2 46.8



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: 73.54 ng

RT: 9.15 min Scan# 618

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

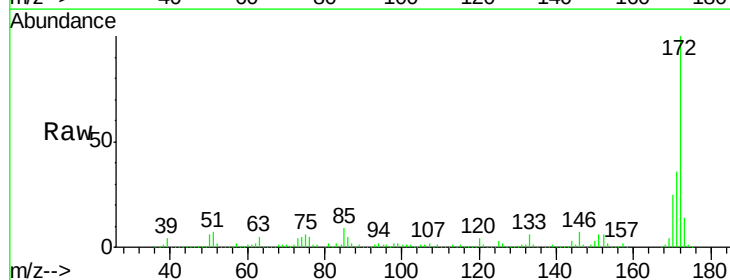
Tgt Ion:172 Resp: 1341953

Ion Ratio Lower Upper

172 100

171 36.5 29.0 43.6

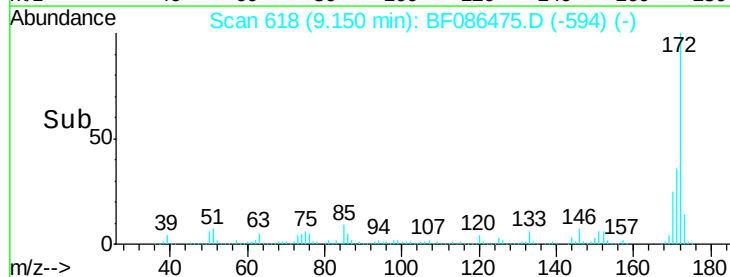
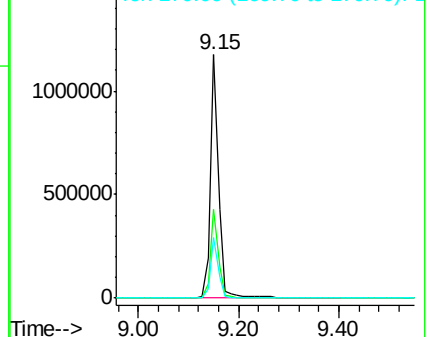
170 24.6 19.8 29.8

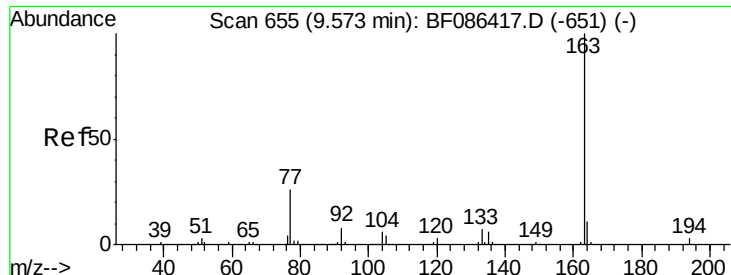


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

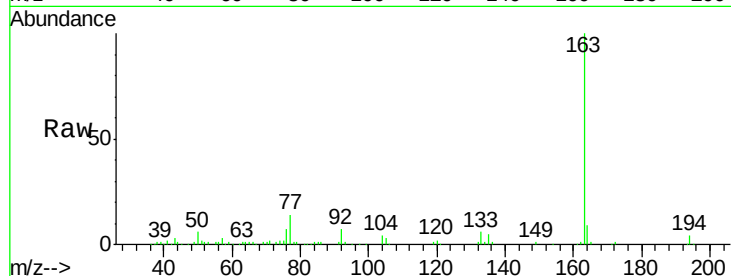




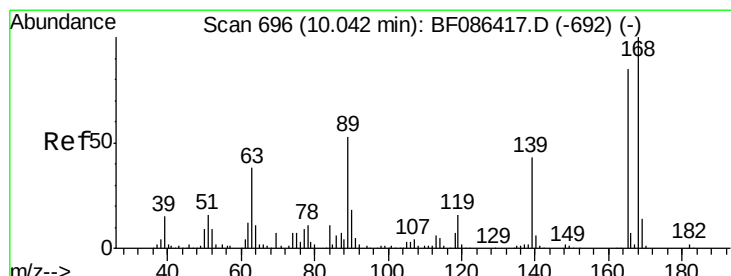
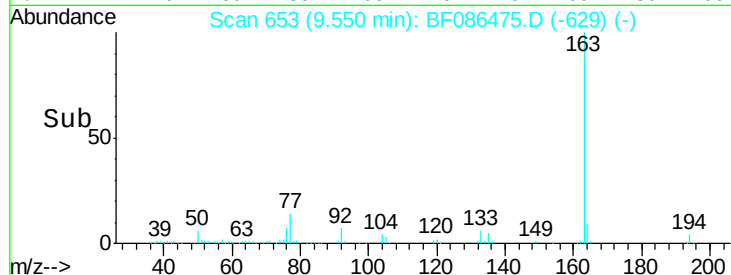
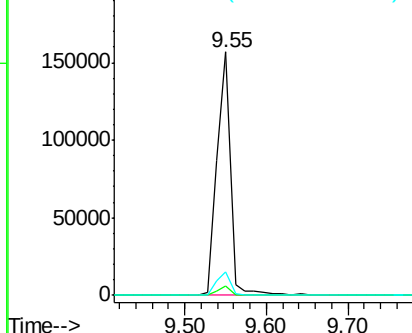
#49
Dimethylphthalate
Concen: 7.79 ng
RT: 9.55 min Scan# 653
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

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26WARD-2A-CS-5(0-6FTBGS)

Tot Ion:163 Resp: 181648
Ion Ratio Lower Upper
163 100
194 3.8 2.6 4.0
164 9.4 8.2 12.4

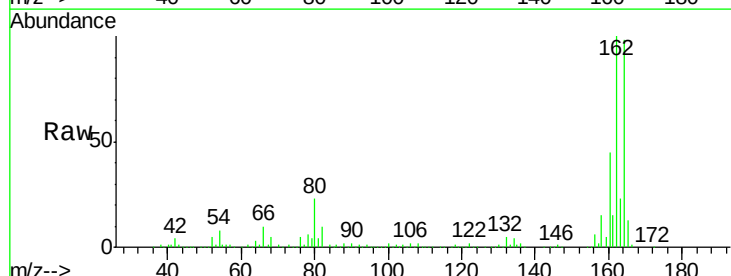


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

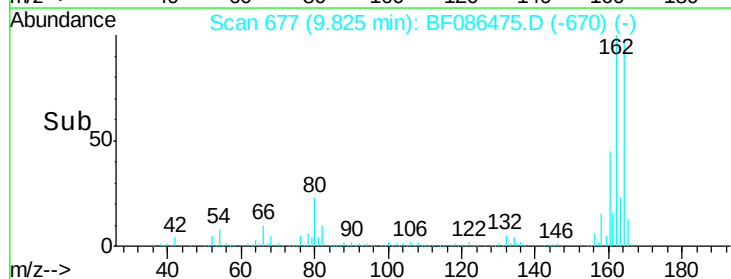
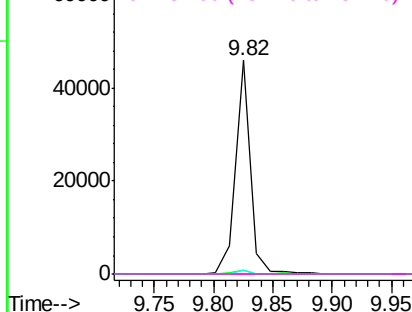


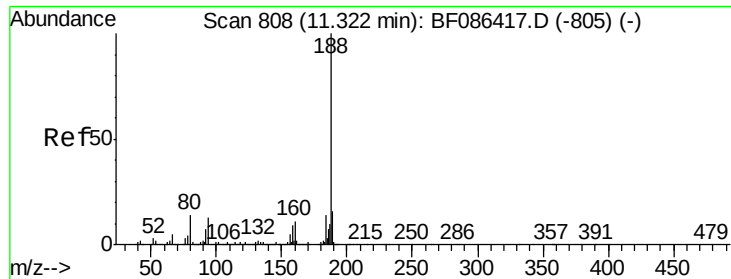
#56
2,4-Dinitrotoluene
Concen: 6.56 ng
RT: 9.82 min Scan# 677
Delta R.T. -0.22 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion:165 Resp: 40304
Ion Ratio Lower Upper
165 100
63 1.9 44.3 66.5#
89 1.9 70.0 105.0#
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: 11.30 min Scan# 806

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

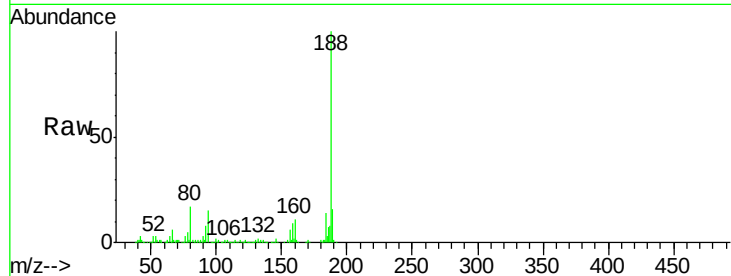
Tot Ion:188 Resp: 503342

Ion Ratio Lower Upper

188 100

94 15.3 6.8 10.2#

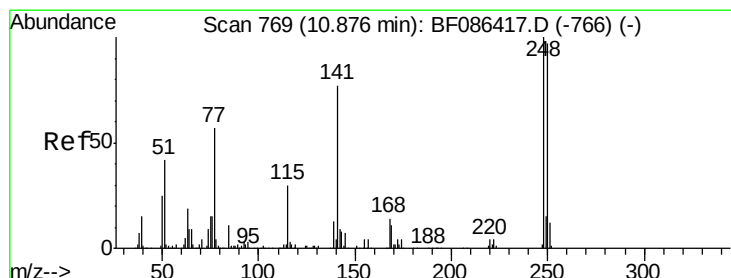
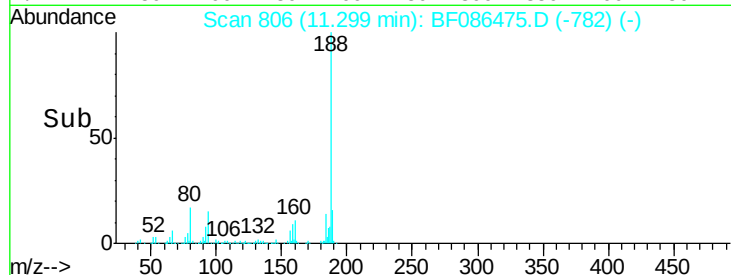
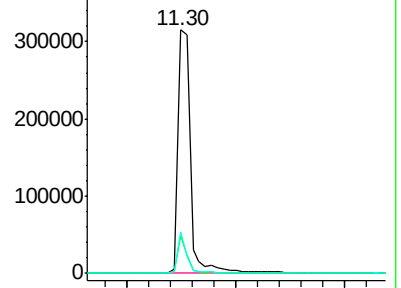
80 17.0 7.1 10.7#



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



#66

4-Bromophenyl-phenylether

Concen: 2.73 ng

RT: 10.61 min Scan# 746

Delta R.T. -0.26 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

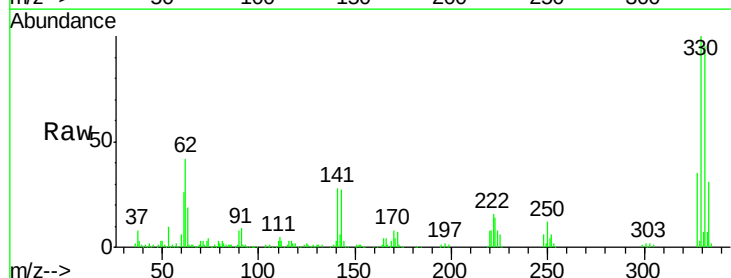
Tgt Ion:248 Resp: 14140

Ion Ratio Lower Upper

248 100

250 196.9 78.6 117.8#

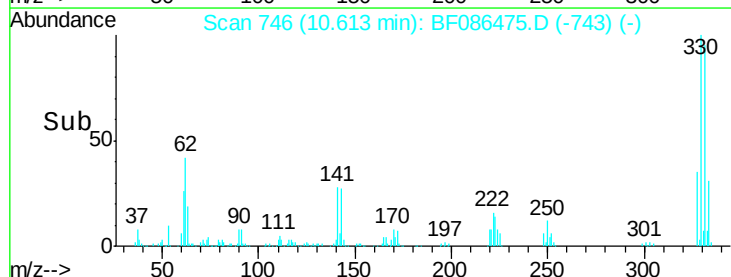
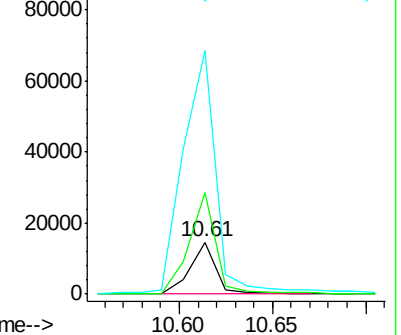
141 471.2 76.0 114.0#

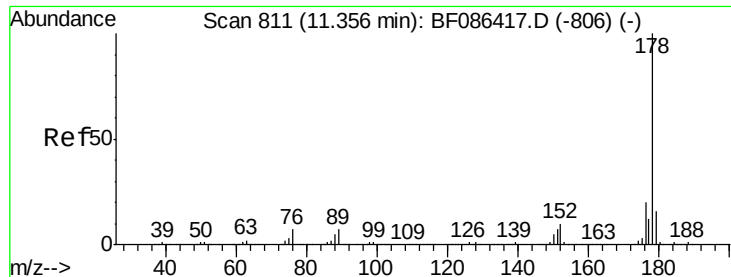


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

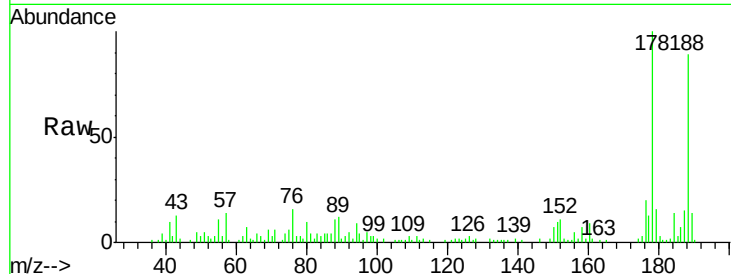




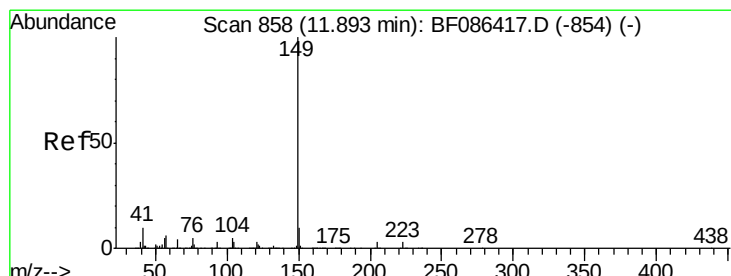
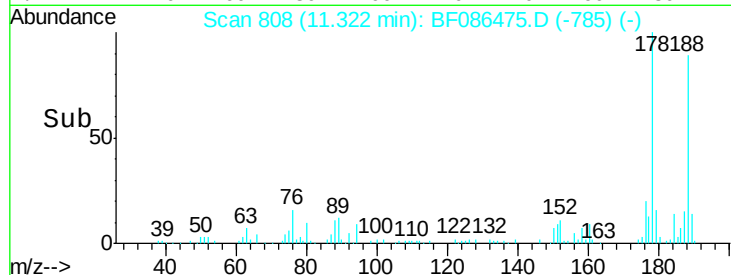
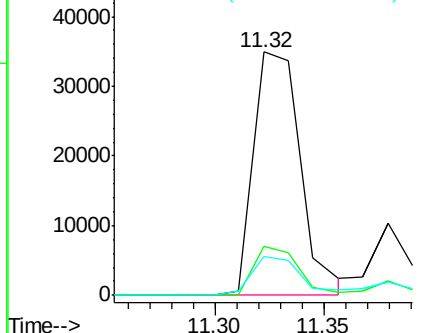
#70
Phenanthrene
Concen: 2.00 ng
RT: 11.32 min Scan# 808
Delta R.T. -0.03 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

Tot Ion:178 Resp: 52938
Ion Ratio Lower Upper
178 100
176 20.1 16.0 24.0
179 16.0 12.6 18.8

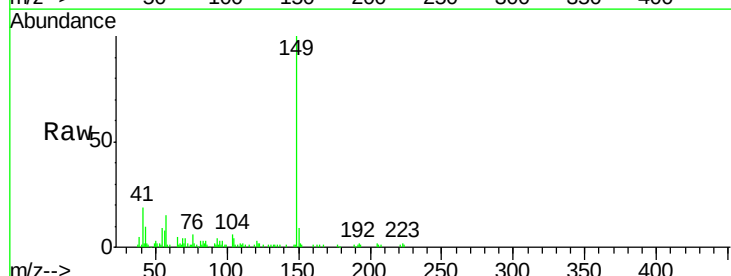


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

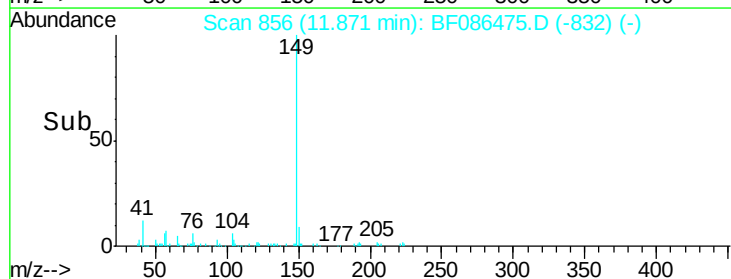
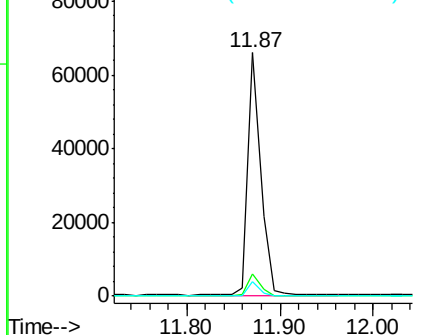


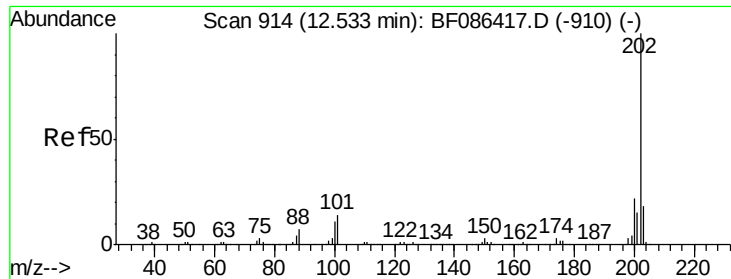
#73
Di-n-butylphthalate
Concen: 2.33 ng
RT: 11.87 min Scan# 856
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion:149 Resp: 65967
Ion Ratio Lower Upper
149 100
150 9.3 7.6 11.4
104 5.8 3.8 5.6#



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 4.41 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

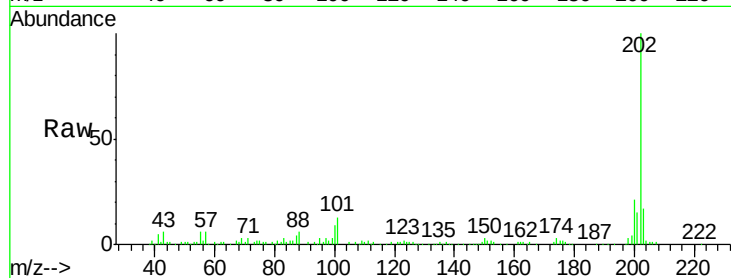
Tot Ion:202 Resp: 117536

Ion Ratio Lower Upper

202 100

101 13.0 0.0 35.4

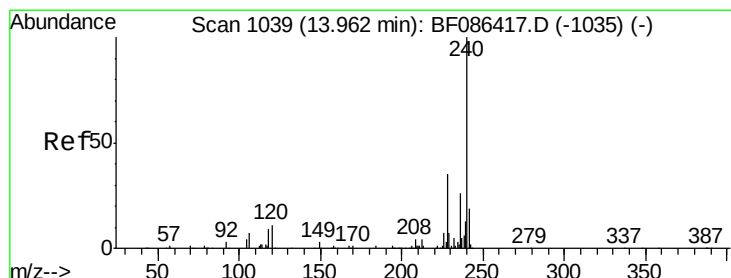
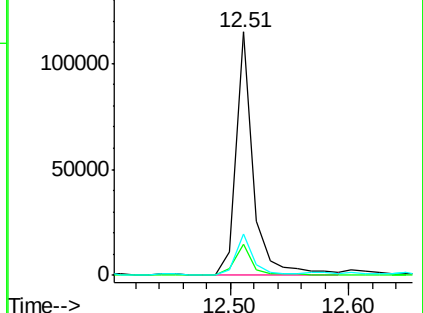
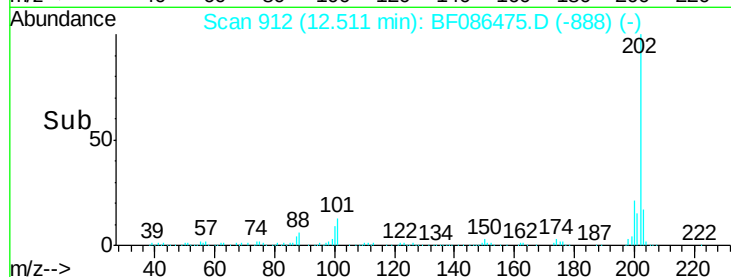
203 17.1 0.0 38.1



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: 13.94 min Scan# 1037

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

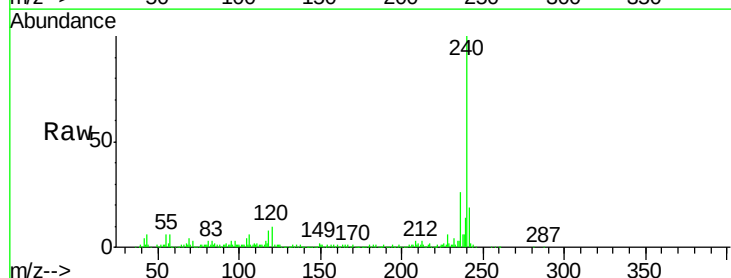
Tgt Ion:240 Resp: 309823

Ion Ratio Lower Upper

240 100

120 9.6 11.2 16.8#

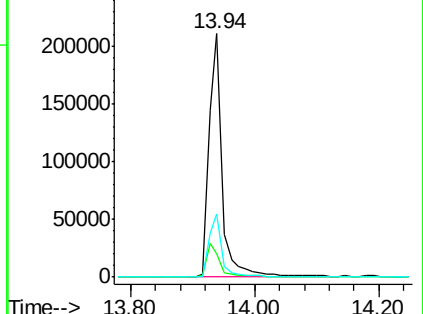
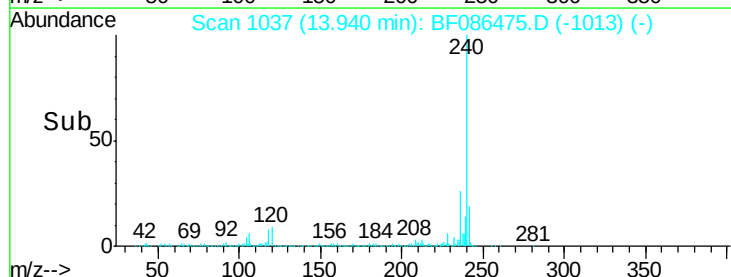
236 26.0 21.2 31.8

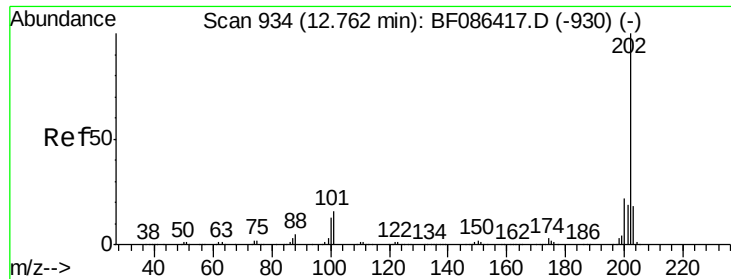


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.04 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-5(0-6FTBGS)

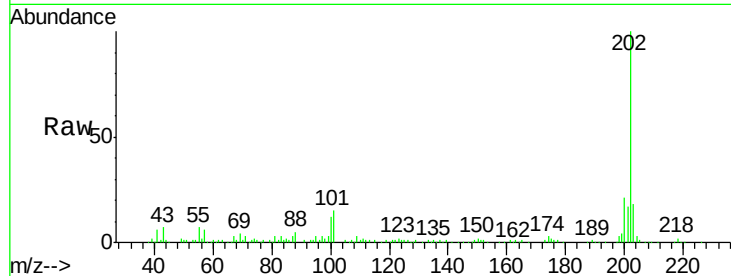
Tot Ion:202 Resp: 112533

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

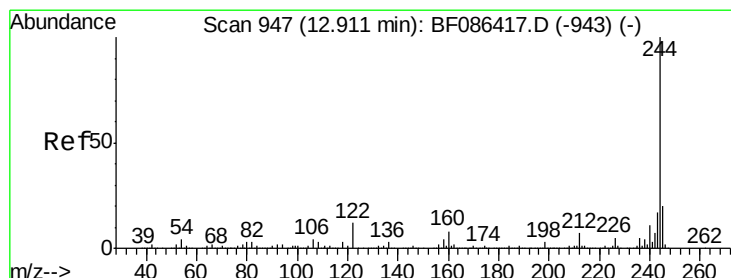
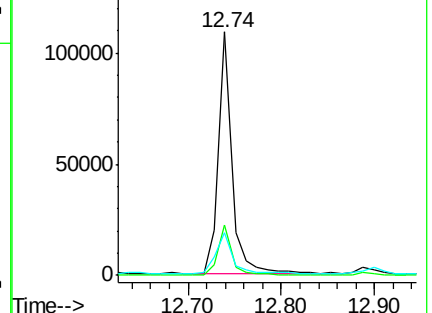
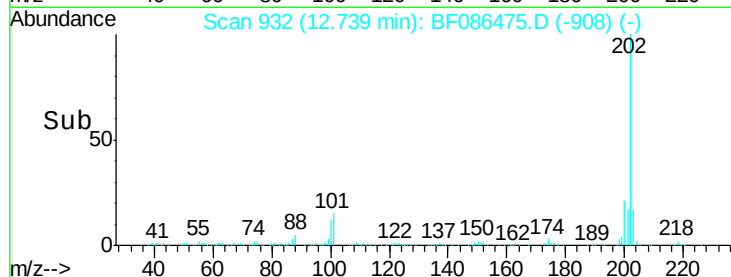
203 17.6 14.2 21.4



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: 71.65 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086475.D

Acq: 28 Apr 2016 20:56

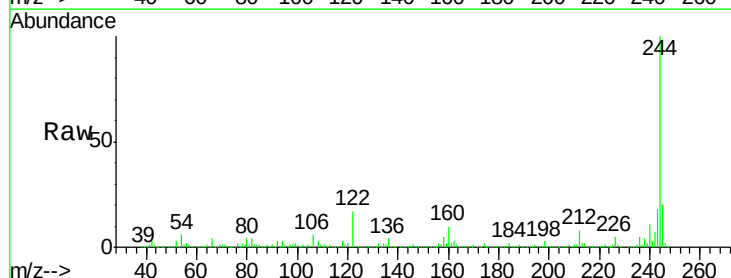
Tgt Ion:244 Resp: 1007623

Ion Ratio Lower Upper

244 100

212 8.1 6.2 9.2

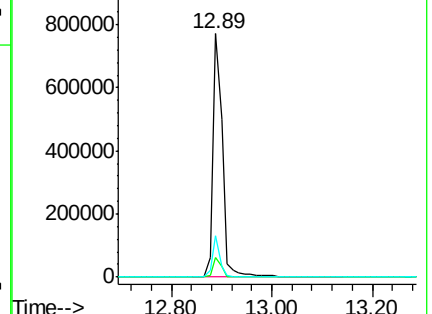
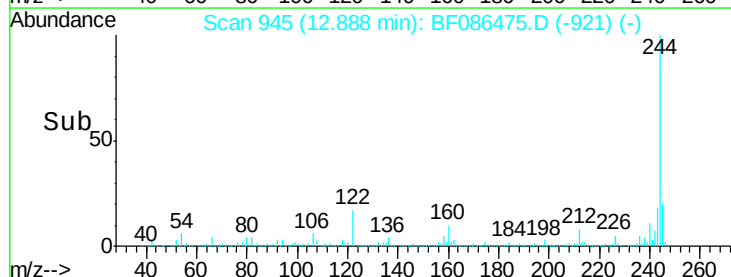
122 16.8 12.0 18.0

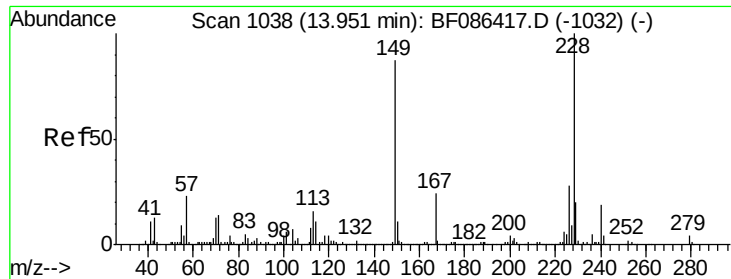


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

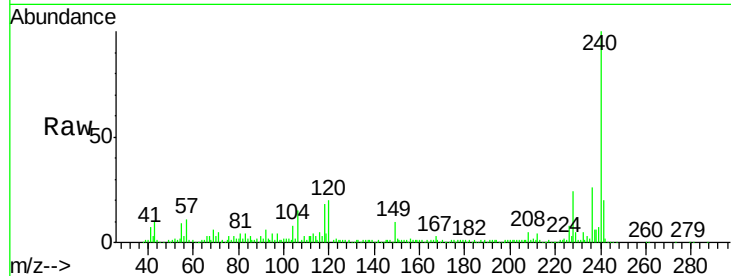




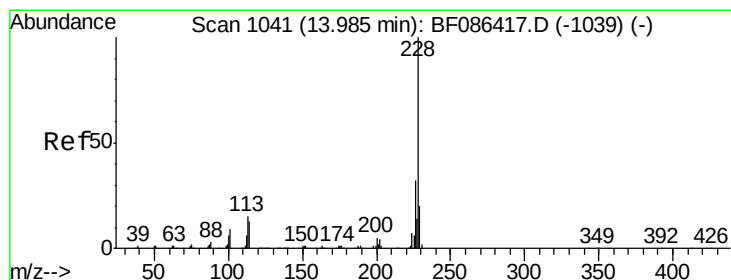
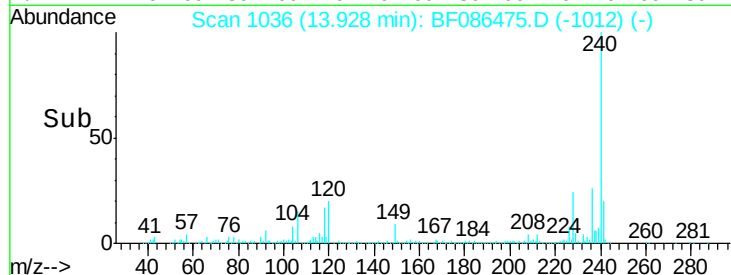
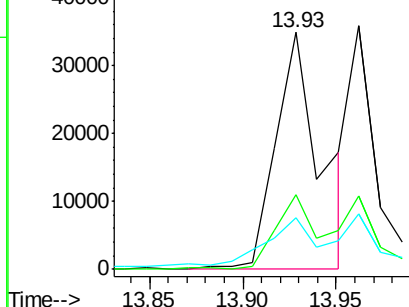
#80
Benzo(a)anthracene
Concen: 3.54 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

Tot Ion:228 Resp: 58427
Ion Ratio Lower Upper
228 100
226 31.4 22.5 33.7
229 22.0 16.6 25.0

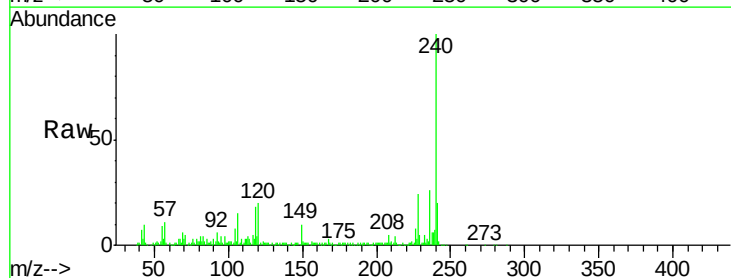


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

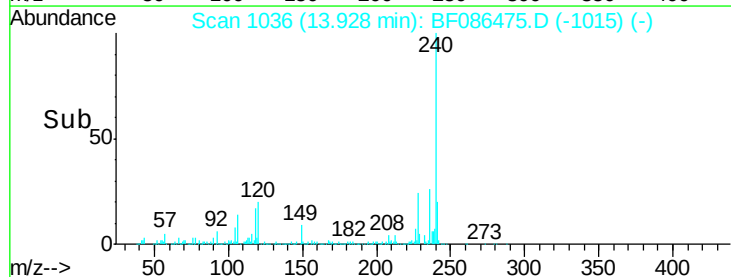
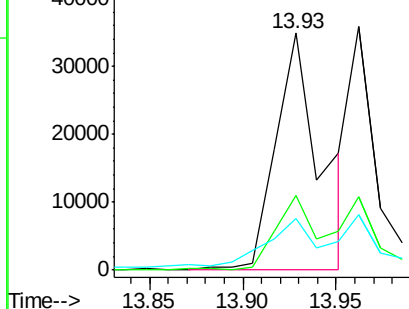


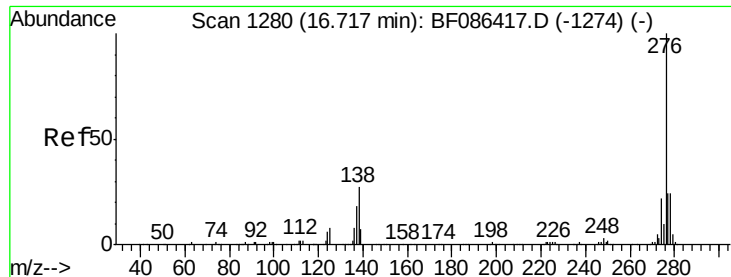
#82
Chrysene
Concen: 3.25 ng
RT: 13.93 min Scan# 1036
Delta R.T. -0.06 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion:228 Resp: 58427
Ion Ratio Lower Upper
228 100
226 31.4 24.4 36.6
229 22.0 15.8 23.8



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

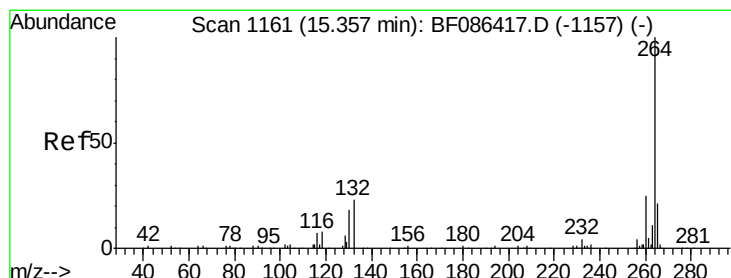
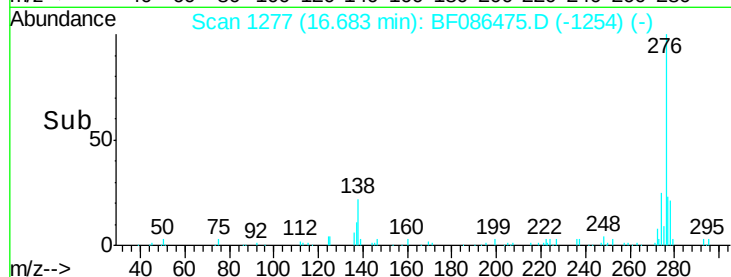
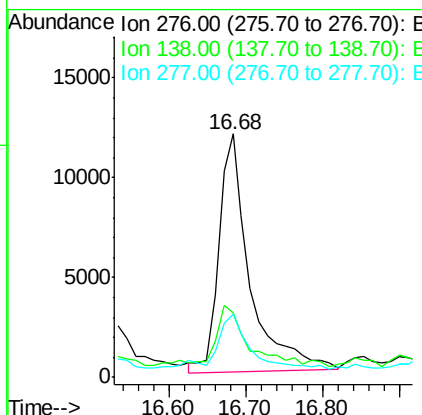
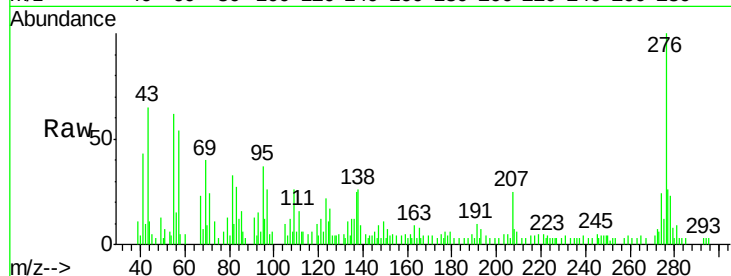




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.54 ng
 RT: 16.68 min Scan# 1277
 Delta R.T. -0.03 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

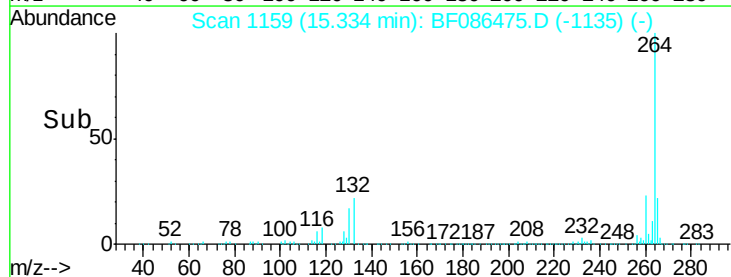
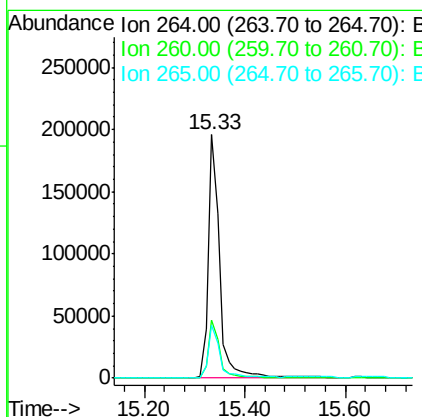
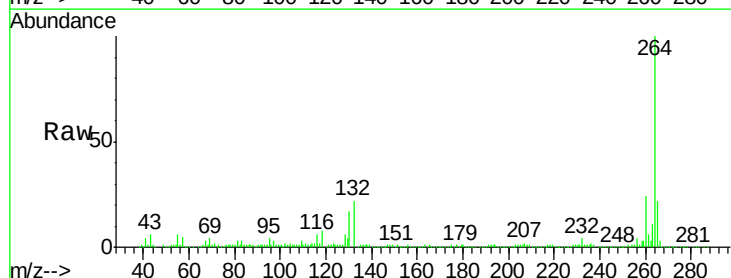
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-5(0-6FTBGS)

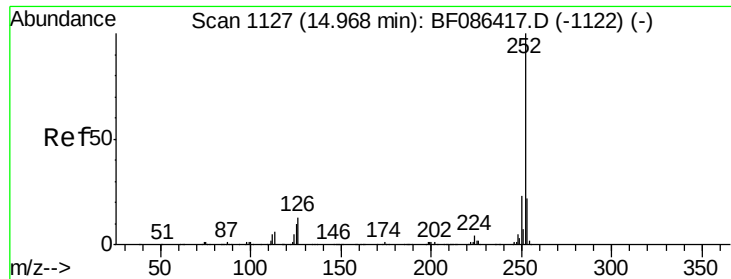
Tot Ion:276 Resp: 33743
 Ion Ratio Lower Upper
 276 100
 138 27.0 25.6 38.4
 277 26.5 20.5 30.7



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. -0.02 min
 Lab File: BF086475.D
 Acq: 28 Apr 2016 20:56

Tgt Ion:264 Resp: 309121
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.5 29.3
 265 21.7 17.3 25.9

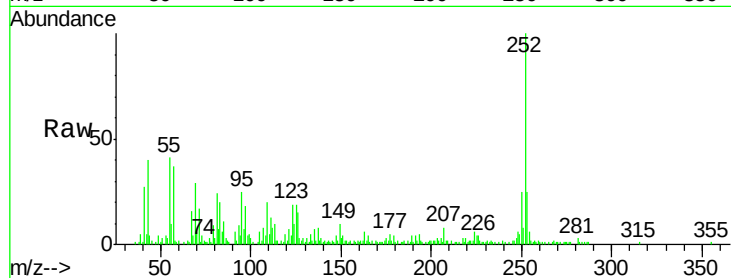




#87
Benzo(b)fluoranthene
Concen: 4.62 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	19.1	11.4	17.0

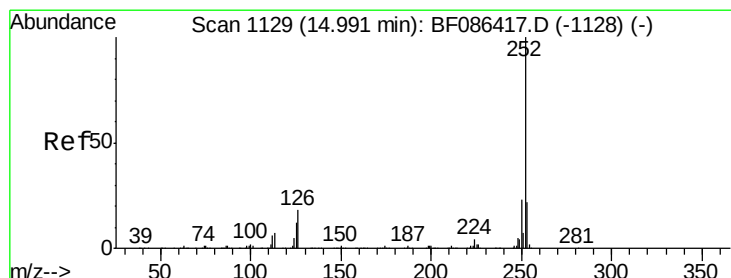
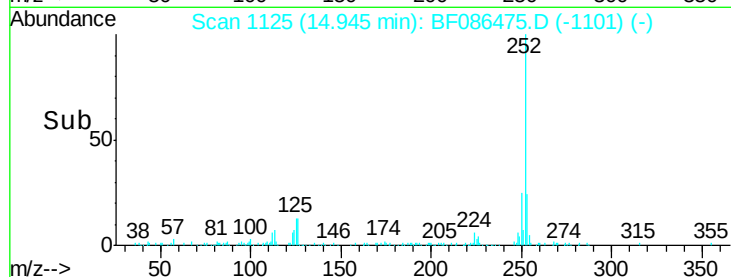
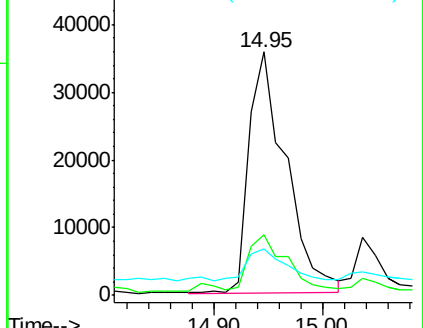


Abundance

Ion 252.00 (251.70 to 252.70): E

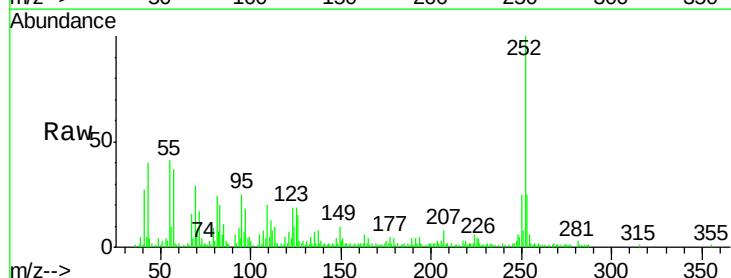
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 4.45 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.8	26.6
125	19.1	9.1	13.7

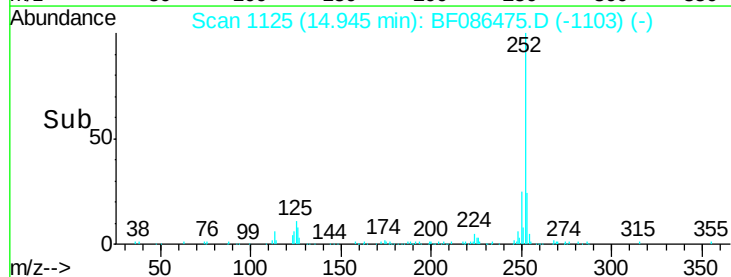
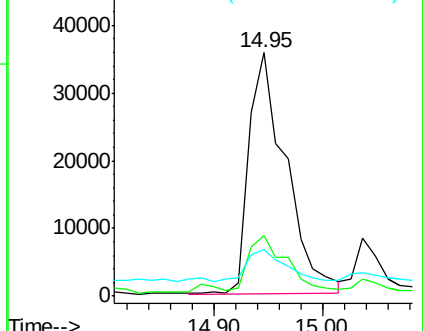


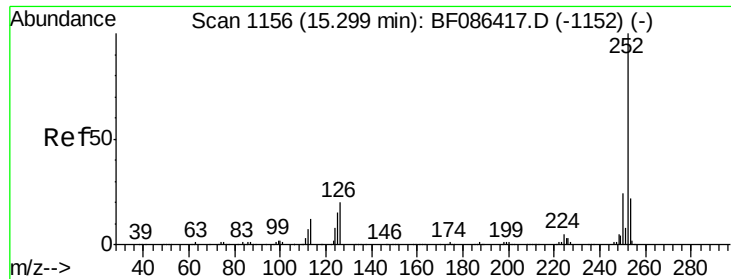
Abundance

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

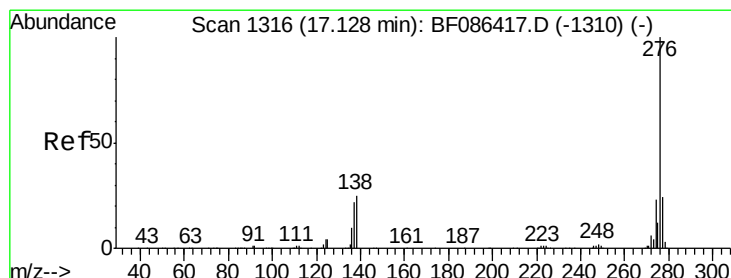
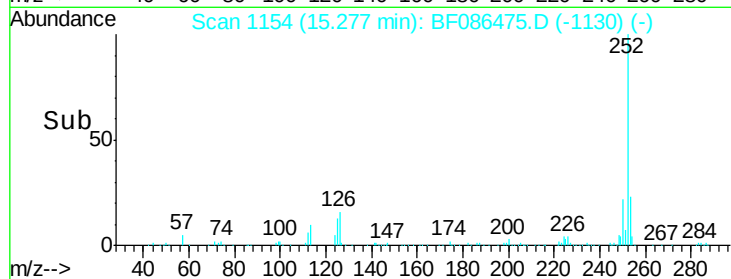
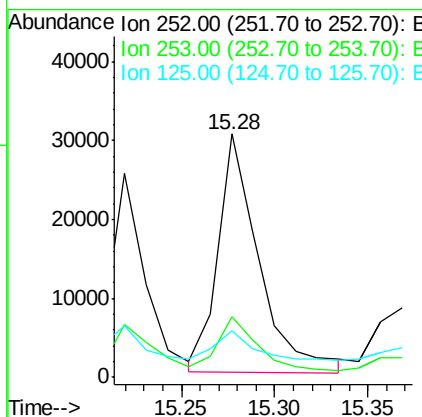
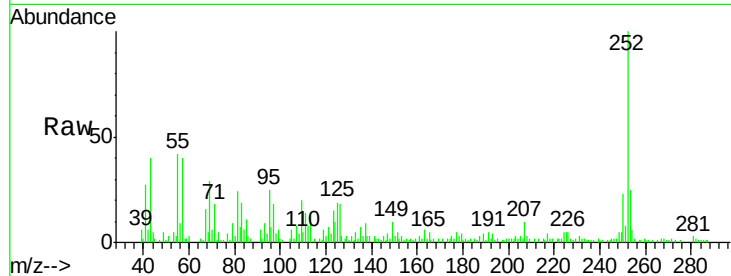




#89
Benzo(a)pyrene
Concen: 2.71 ng
RT: 15.28 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-5(0-6FTBGS)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.2	25.8
125	19.1	9.0	13.6



#91
Benzo(g,h,i)perylene
Concen: 2.22 ng
RT: 17.08 min Scan# 1312
Delta R.T. -0.05 min
Lab File: BF086475.D
Acq: 28 Apr 2016 20:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.2	19.6	29.4
138	26.7	23.6	35.4

