

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042816\OLD\
 Data File : BF086484.D
 Acq On : 29 Apr 2016 1:15
 Operator : UM/SJ
 Sample : H2654-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-19(0-6FTBGS)

Quant Time: Apr 29 08:56:43 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	143374	20.00	ng	-0.02
21) Naphthalene-d8	8.08	136	602503	20.00	ng	-0.02
38) Acenaphthene-d10	9.82	164	242622	20.00	ng	-0.02
63) Phenanthrene-d10	11.31	188	357892	20.00	ng	-0.01
75) Chrysene-d12	13.94	240	304834	20.00	ng	-0.02
86) Perylene-d12	15.35	264	281246	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	843739	101.51	ng	-0.01
7) Phenol-d6	6.43	99	1243948	107.23	ng	-0.01
23) Nitrobenzene-d5	7.36	82	831075	74.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	148306	57.96	ng	-0.02
44) 2-Fluorobiphenyl	9.15	172	1133810	80.93	ng	-0.02
78) Terphenyl-d14	12.89	244	760969	55.00	ng	-0.02

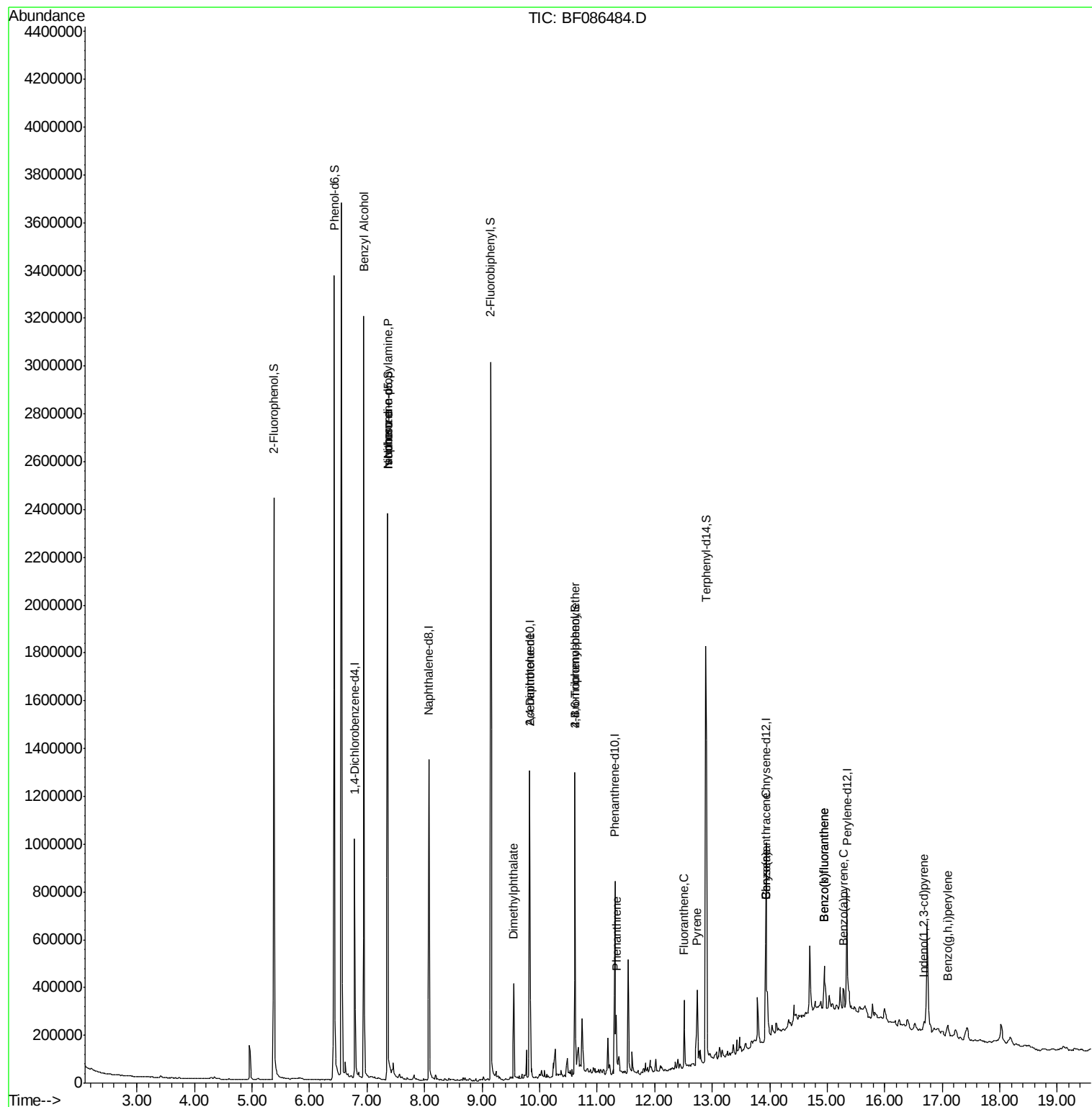
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.94	79	14772	2.01	ng	# 38
19) n-Nitroso-di-n-propylamine	7.36	70	111781	14.58	ng	# 75
25) Isophorone	7.36	82	603309	28.04	ng	# 68
49) Dimethylphthalate	9.55	163	171374	9.38	ng	99
56) 2,4-Dinitrotoluene	9.82	165	31040	6.45	ng	# 16
66) 4-Bromophenyl-phenylether	10.61	248	9116	2.47	ng	# 1
70) Phenanthrene	11.33	178	98587	5.25	ng	98
74) Fluoranthene	12.51	202	143814	7.59	ng	98
77) Pyrene	12.74	202	134788	6.14	ng	98
80) Benzo(a)anthracene	13.93	228	80116	4.93	ng	98
82) Chrysene	13.93	228	80116	4.54	ng	98
85) Indeno(1,2,3-cd)pyrene	16.68	276	41029	3.13	ng	96
87) Benzo(b)fluoranthene	14.95	252	135756	8.21	ng	97
88) Benzo(k)fluoranthene	14.95	252	135756	7.87	ng	# 95
89) Benzo(a)pyrene	15.29	252	67585	4.33	ng	# 92
91) Benzo(g,h,i)perylene	17.09	276	37705	2.94	ng	96

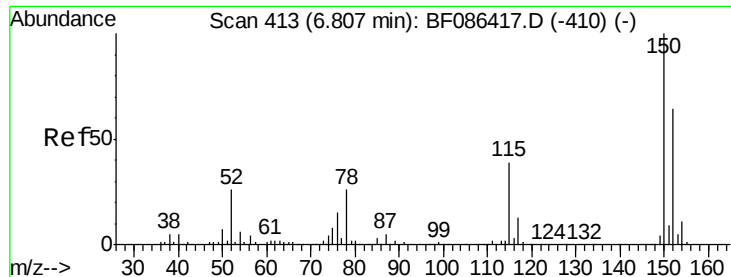
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF086484.D

Acq: 29 Apr 2016 1:15

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-19(0-6FTBGS)

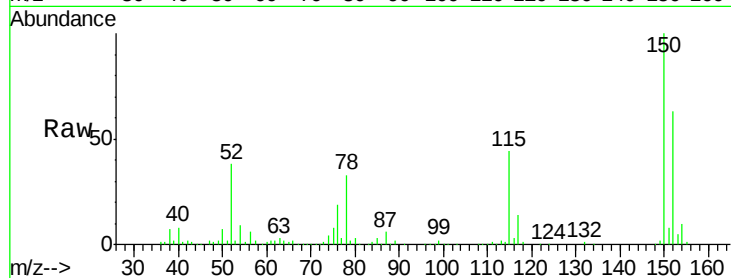
Tot Ion:152 Resp: 143374

Ion Ratio Lower Upper

152 100

150 159.3 125.8 188.6

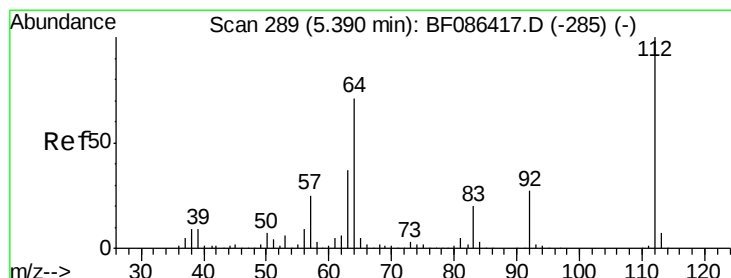
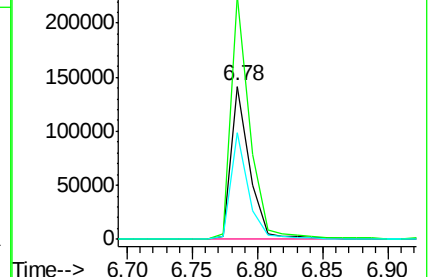
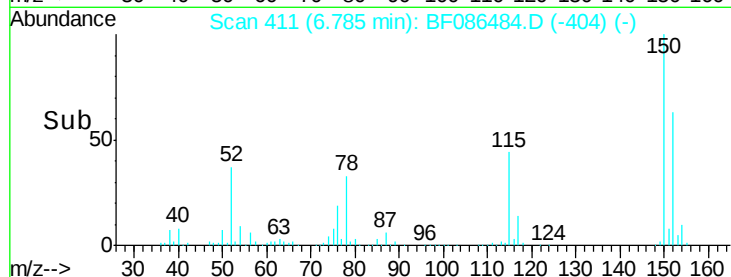
115 69.9 51.5 77.3



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: 101.51 ng

RT: 5.38 min Scan# 288

Delta R.T. -0.01 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

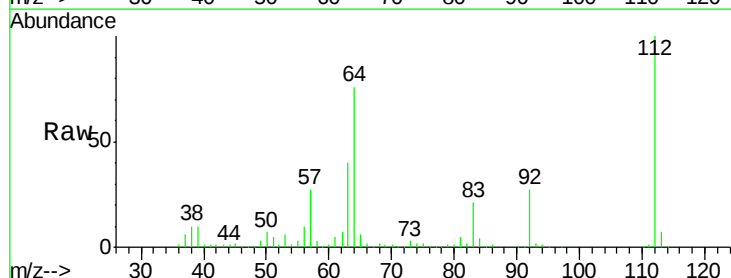
Tgt Ion:112 Resp: 843739

Ion Ratio Lower Upper

112 100

64 76.1 52.1 78.1

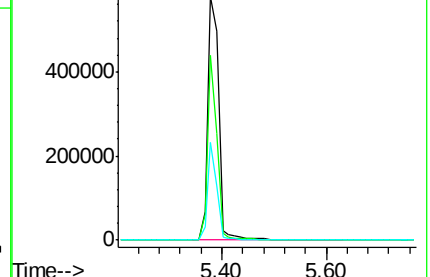
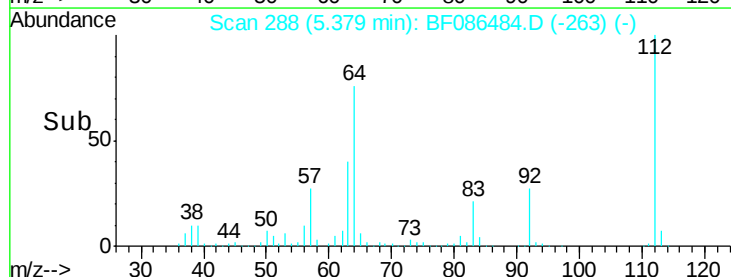
63 40.2 25.7 38.5

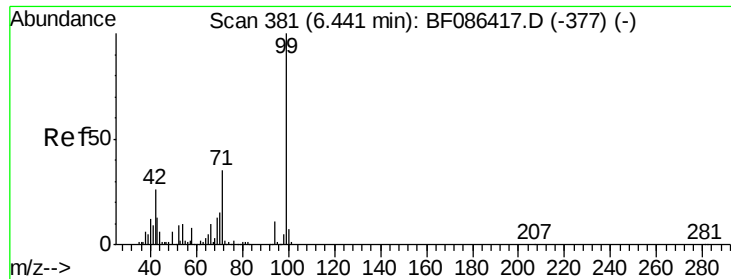


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 107.23 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.01 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

Instrument :

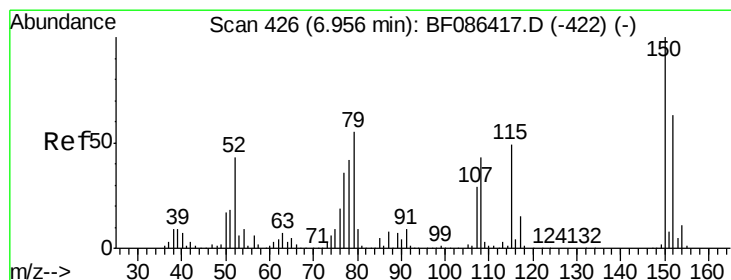
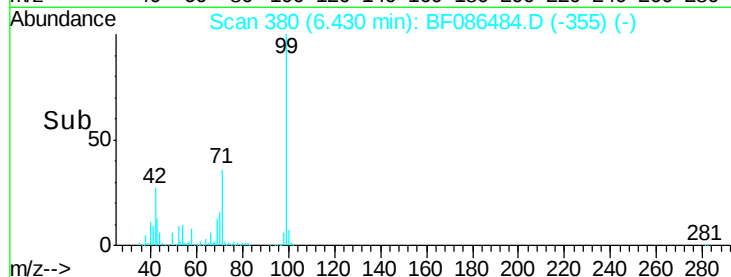
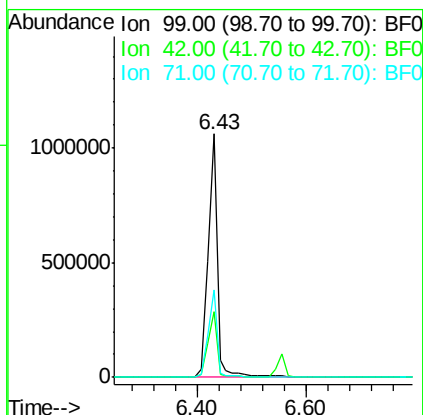
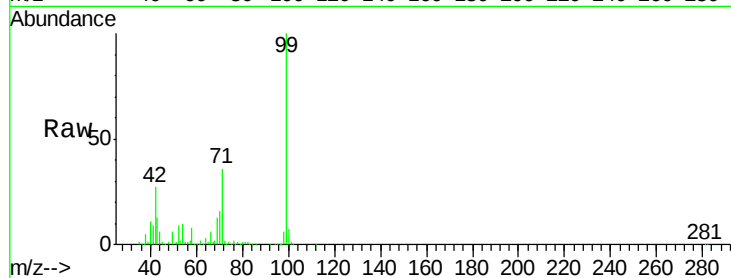
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Tot Ion: 99 Resp: 1243948

Ion	Ratio	Lower	Upper
99	100		
42	26.9	13.6	20.4#
71	35.7	24.6	36.8



#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 6.94 min Scan# 425

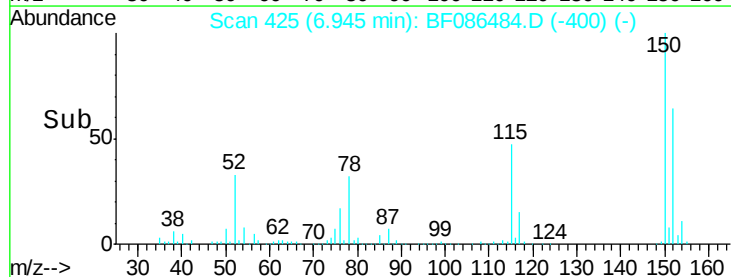
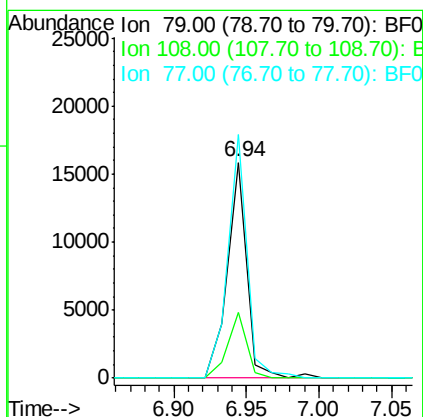
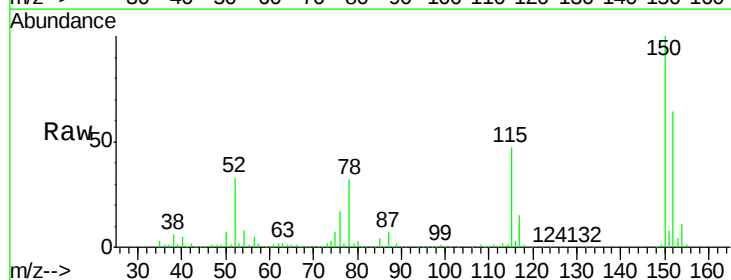
Delta R.T. -0.01 min

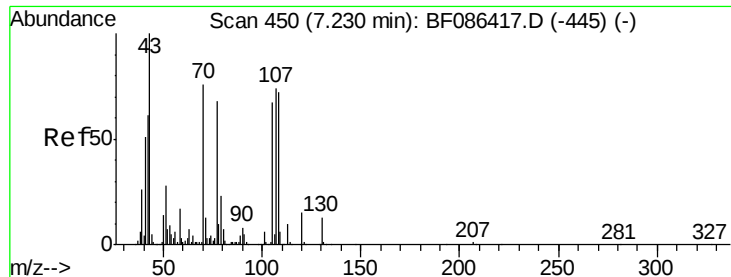
Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

Tgt Ion: 79 Resp: 14772

Ion	Ratio	Lower	Upper
79	100		
108	30.7	68.4	102.6#
77	112.9	50.6	76.0#

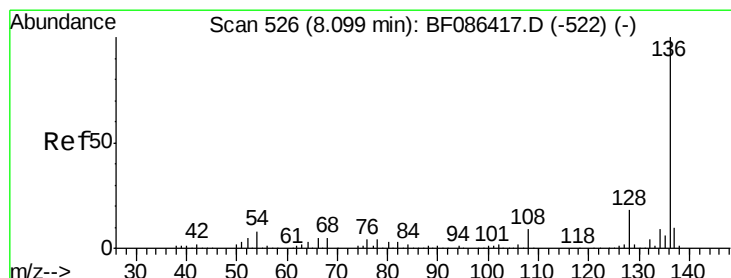
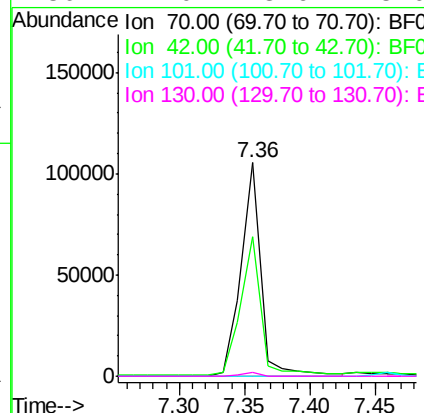
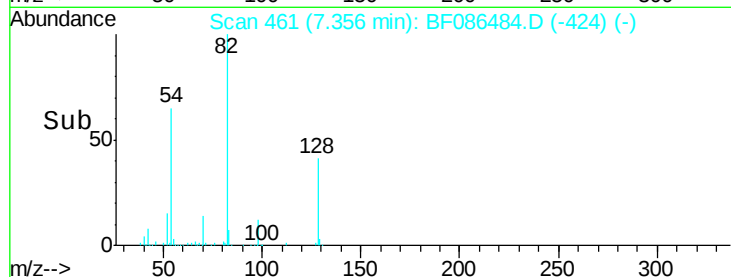
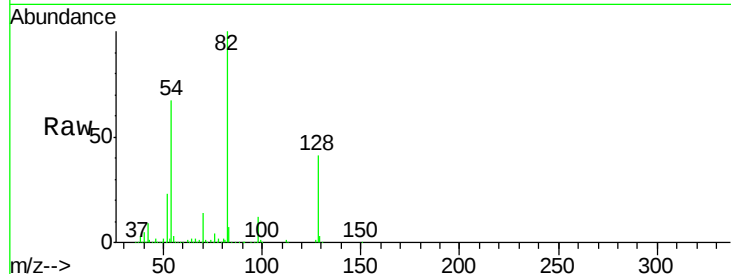




#19
n-Nitroso-di-n-propylamine
Concen: 14.58 ng
RT: 7.36 min Scan# 461
Delta R.T. 0.13 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

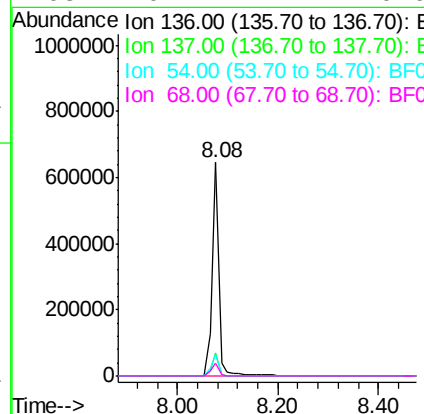
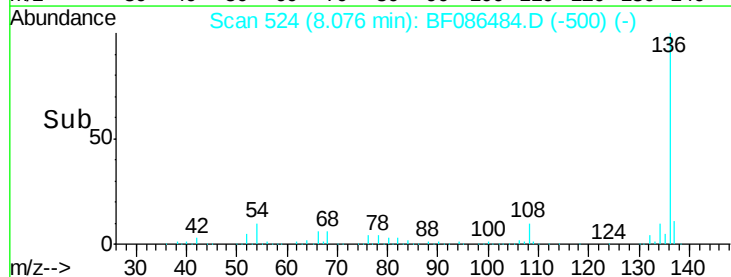
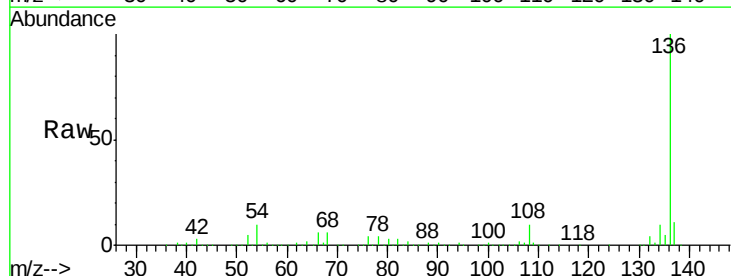
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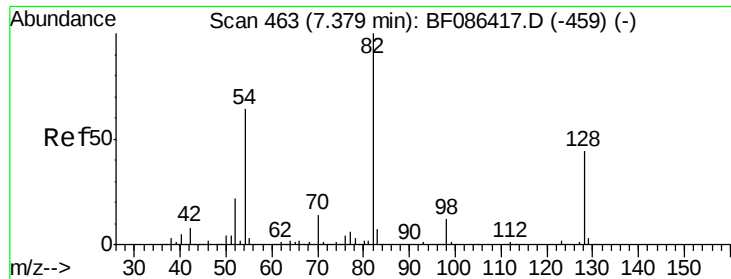
Tot Ion: 70 Resp: 111781
Ion Ratio Lower Upper
70 100
42 65.2 43.1 64.7#
101 0.0 8.1 12.1#
130 2.0 18.6 28.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 524
Delta R.T. -0.02 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

Tgt Ion: 136 Resp: 602503
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 10.2 5.0 7.4#
68 6.2 4.4 6.6

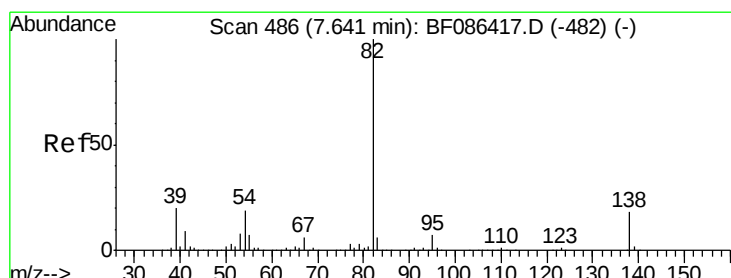
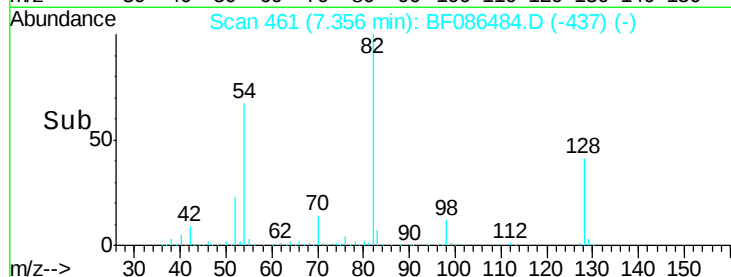
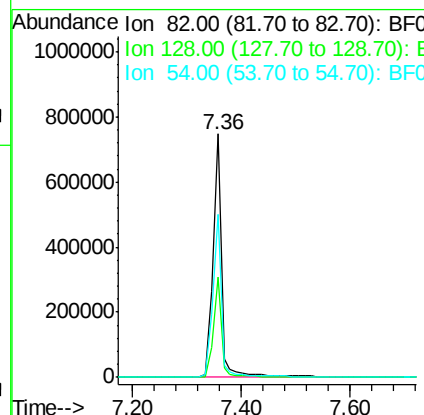
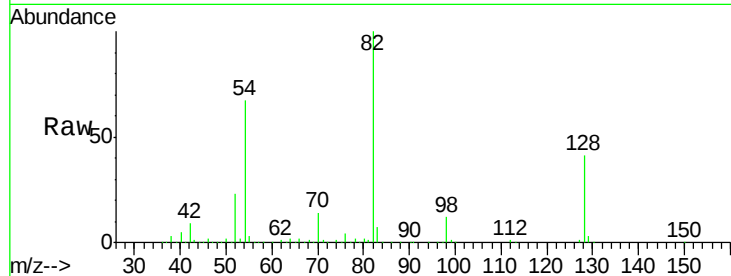




#23
Nitrobenzene-d5
Concen: 74.35 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.02 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

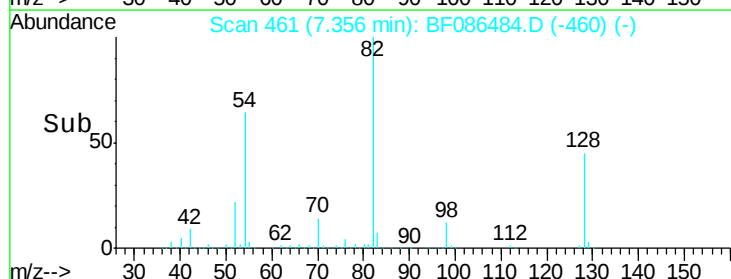
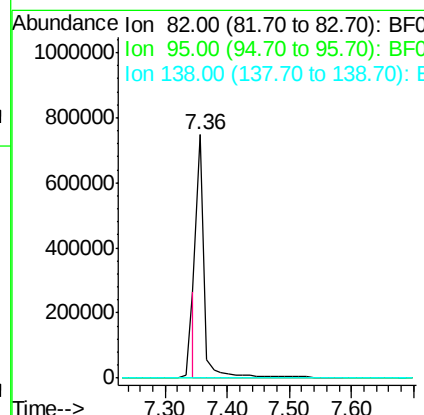
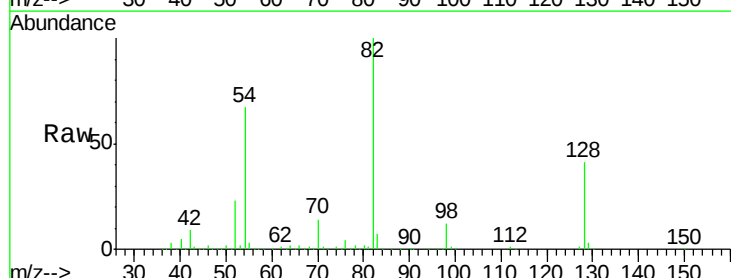
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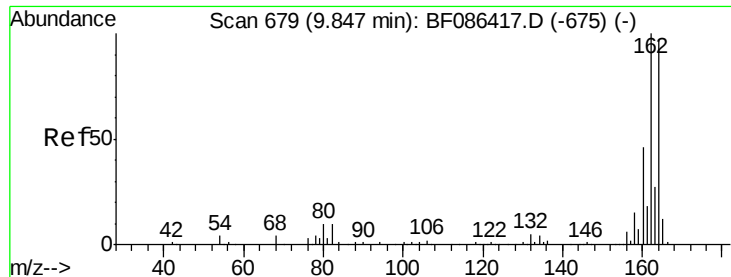
Tot Ion	82	Resp	831075
Ion Ratio	Lower	Upper	
82	100		
128	41.3	40.6	61.0
54	66.9	38.1	57.1#



#25
Isophorone
Concen: 28.04 ng
RT: 7.36 min Scan# 461
Delta R.T. -0.29 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

Tgt Ion	82	Resp	603309
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.1	7.7#
138	0.0	12.4	18.6#

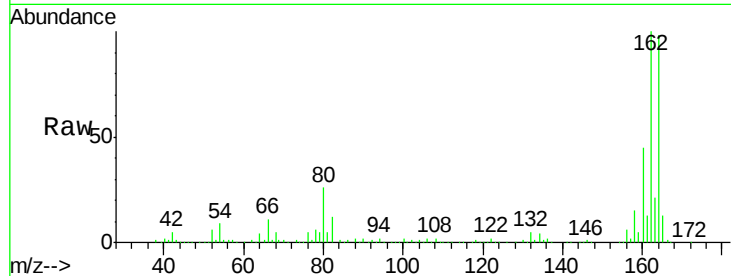




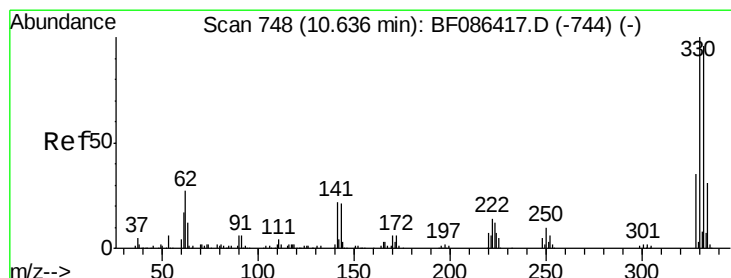
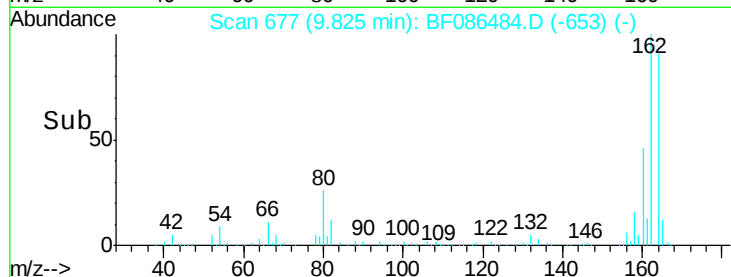
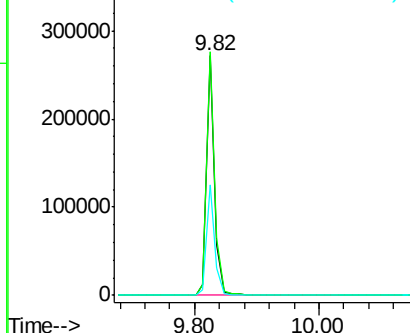
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.02 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-19(0-6FTBGS)

Tot Ion:164 Resp: 242622
 Ion Ratio Lower Upper
 164 100
 162 101.6 82.8 124.2
 160 46.0 36.9 55.3

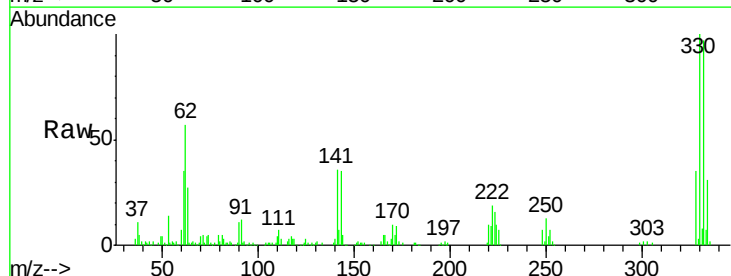


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

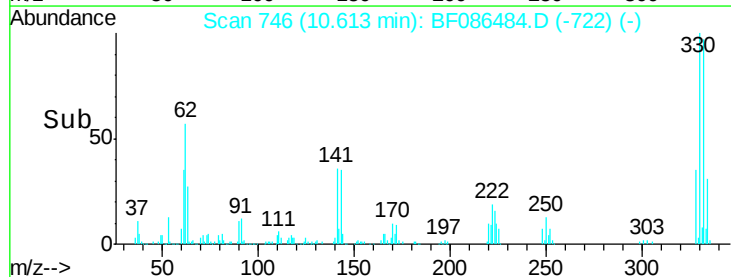
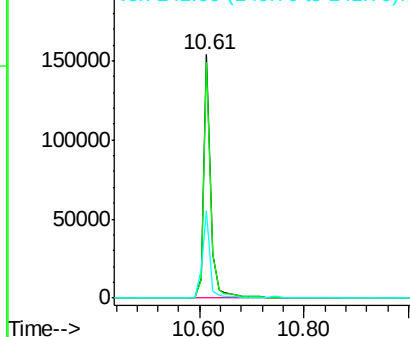


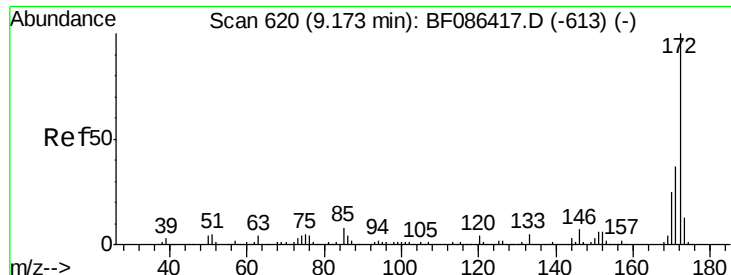
#41
 2,4,6-Tribromophenol
 Concen: 57.96 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.02 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

Tgt Ion:330 Resp: 148306
 Ion Ratio Lower Upper
 330 100
 332 97.0 79.0 118.4
 141 38.6 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



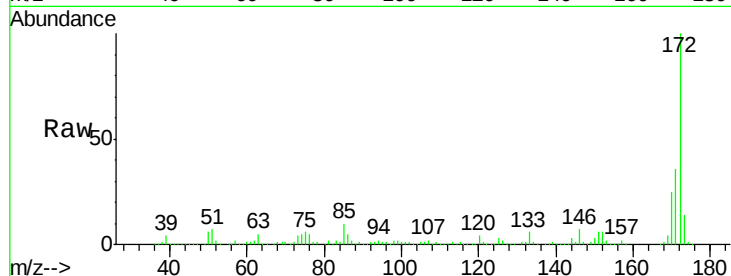


#44
 2-Fluorobiphenyl
 Concen: 80.93 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

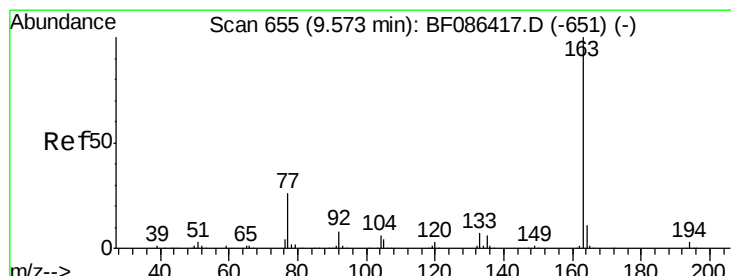
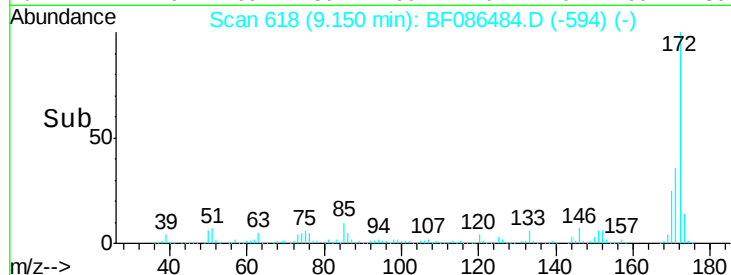
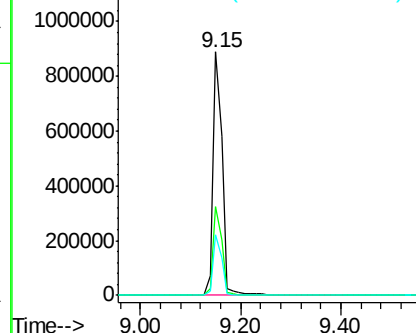
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Tot Ion:172 Resp: 1133810

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.6
170	24.6	19.8	29.8



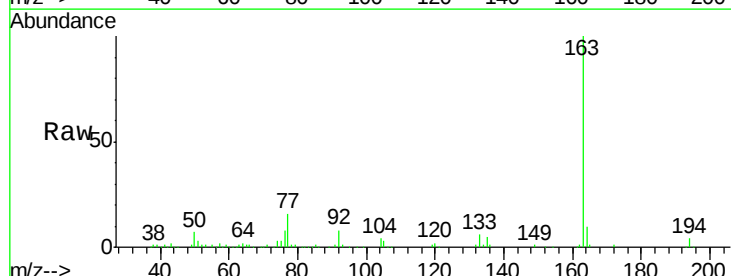
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



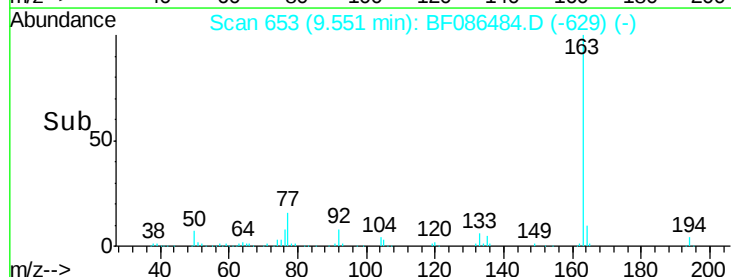
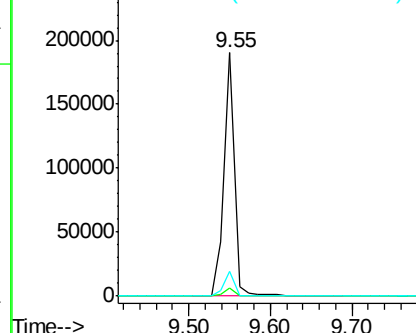
#49
 Dimethylphthalate
 Concen: 9.38 ng
 RT: 9.55 min Scan# 653
 Delta R.T. -0.02 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

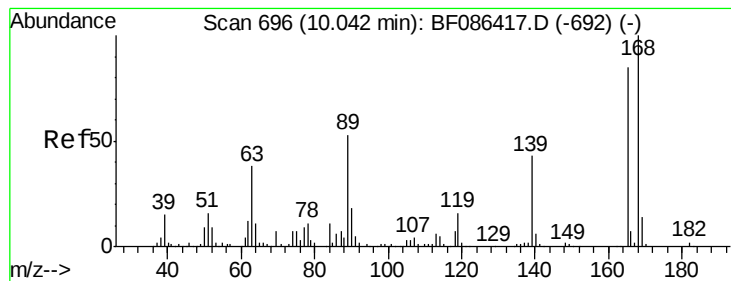
Tgt Ion:163 Resp: 171374

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	9.9	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

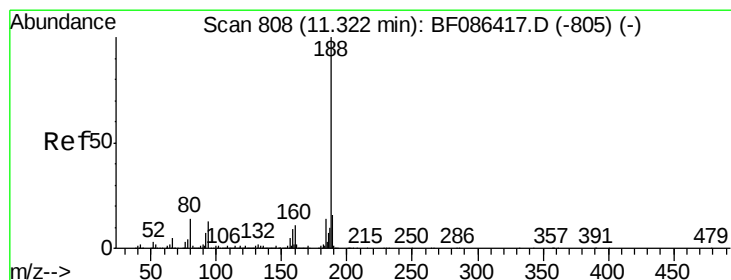
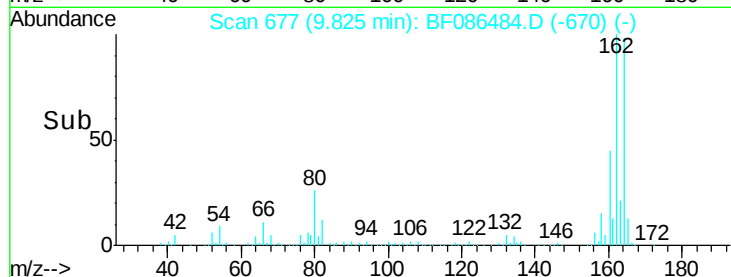
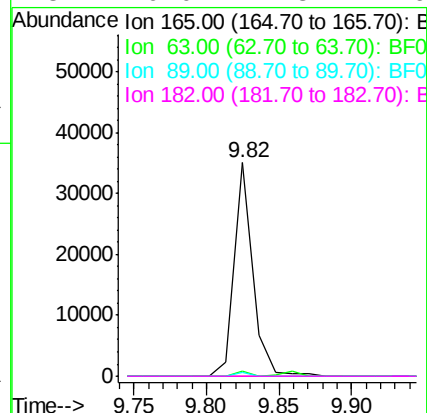
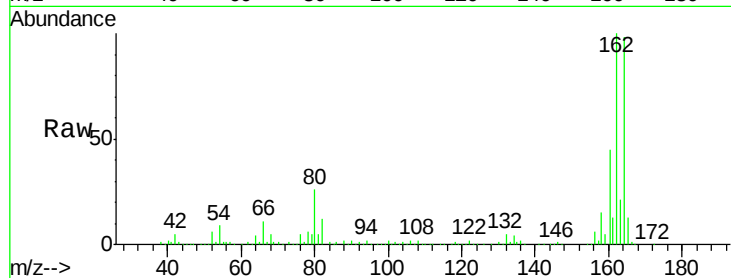




#56
 2,4-Dinitrotoluene
 Concen: 6.45 ng
 RT: 9.82 min Scan# 677
 Delta R.T. -0.22 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

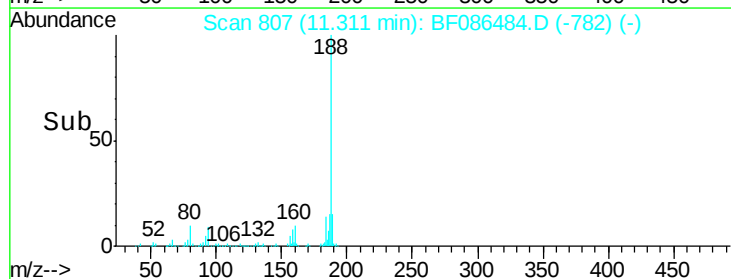
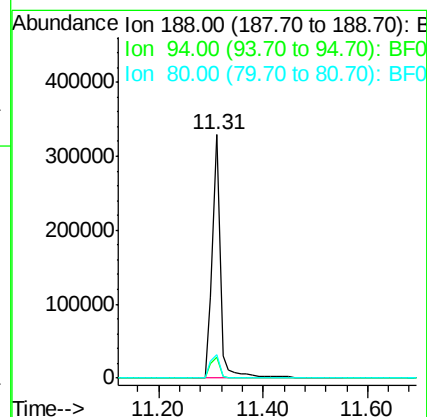
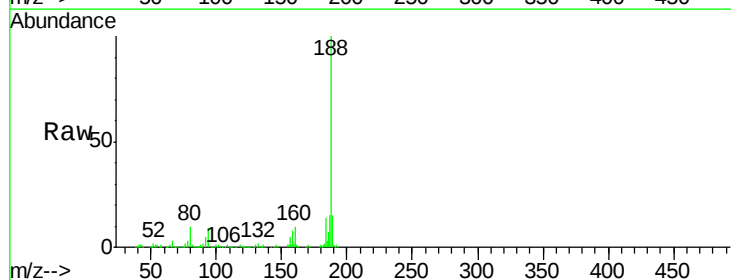
Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-19(0-6FTBGS)

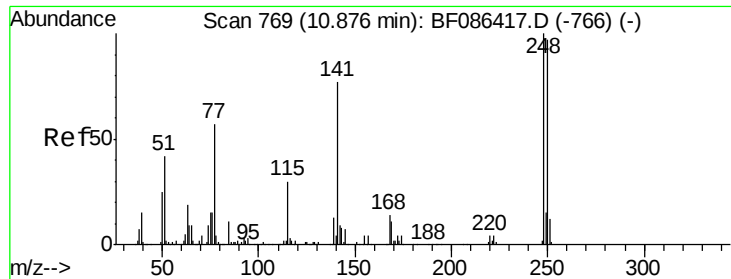
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.3	44.3	66.5#
89	1.8	70.0	105.0#
182	0.0	1.8	2.6#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.31 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	6.8	10.2
80	9.6	7.1	10.7

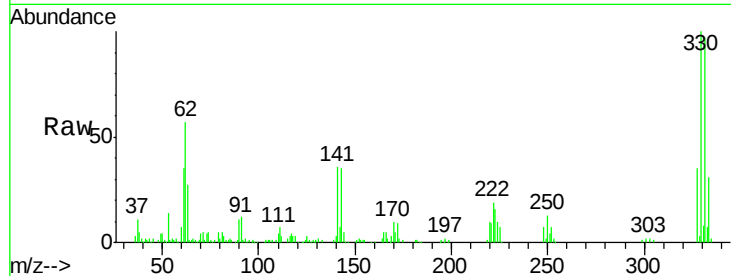




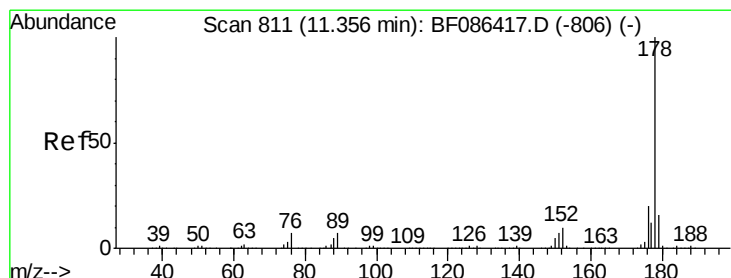
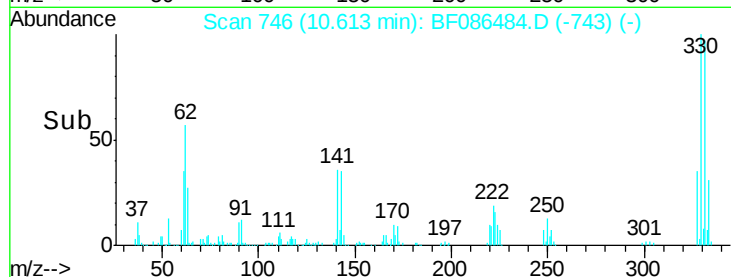
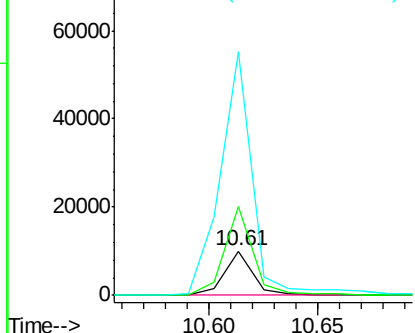
#66
 4-Bromophenyl-phenylether
 Concen: 2.47 ng
 RT: 10.61 min Scan# 746
 Delta R.T. -0.26 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

Instrument :
 BNA_F
 ClientSampleId :
 26WARD-2A-CS-19(0-6FTBGS)

Tot Ion:248 Resp: 9116
 Ion Ratio Lower Upper
 248 100
 250 199.0 78.6 117.8#
 141 548.1 76.0 114.0#

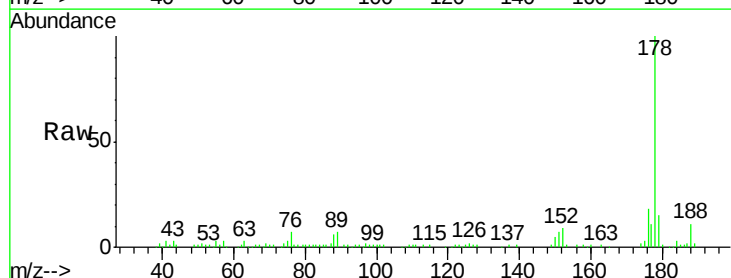


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

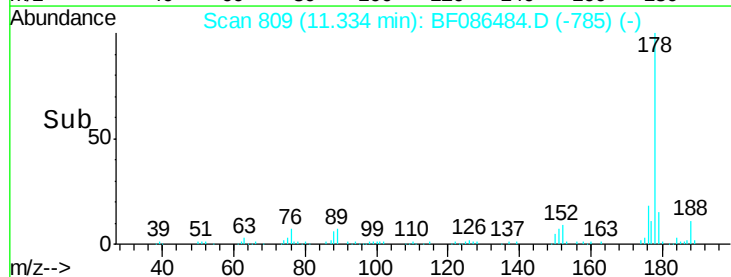
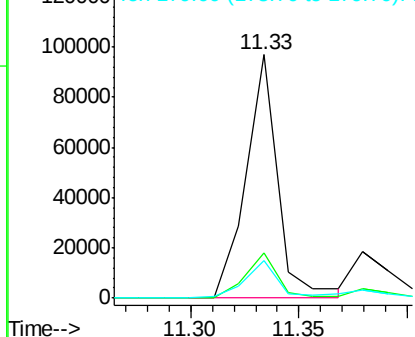


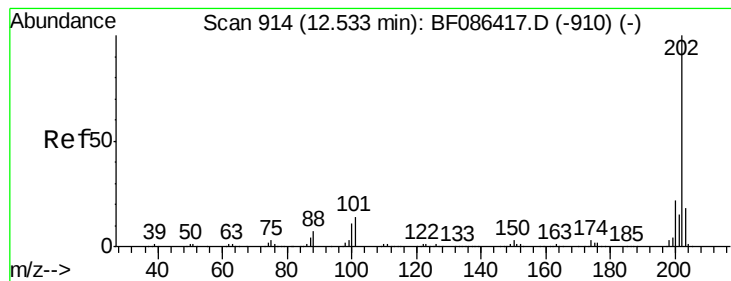
#70
 Phenanthrene
 Concen: 5.25 ng
 RT: 11.33 min Scan# 809
 Delta R.T. -0.02 min
 Lab File: BF086484.D
 Acq: 29 Apr 2016 1:15

Tgt Ion:178 Resp: 98587
 Ion Ratio Lower Upper
 178 100
 176 18.5 16.0 24.0
 179 15.3 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





#74

Fluoranthene

Concen: 7.59 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.02 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-19(0-6FTBGS)

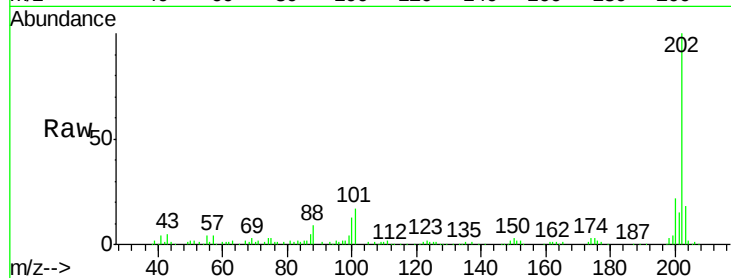
Tot Ion:202 Resp: 143814

Ion Ratio Lower Upper

202 100

101 17.4 0.0 35.4

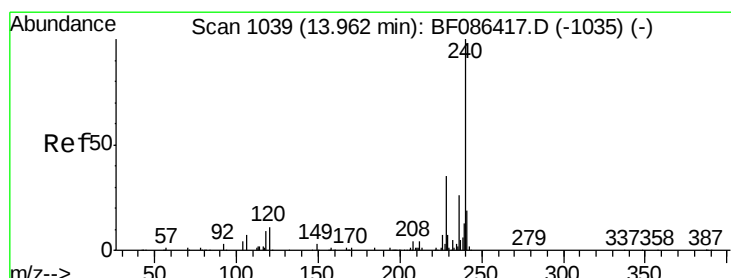
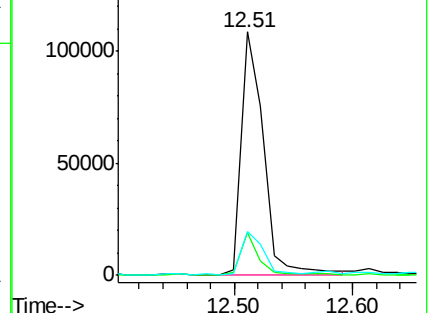
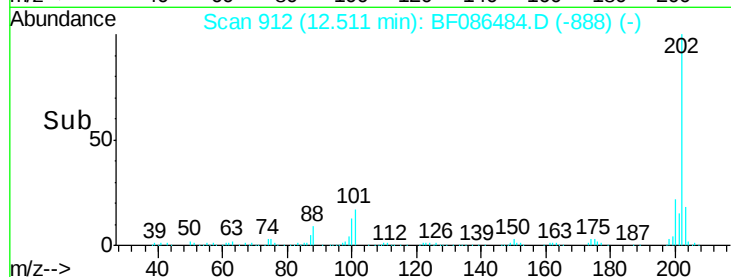
203 17.9 0.0 38.1



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: BF086484.D

Acq: 29 Apr 2016 1:15

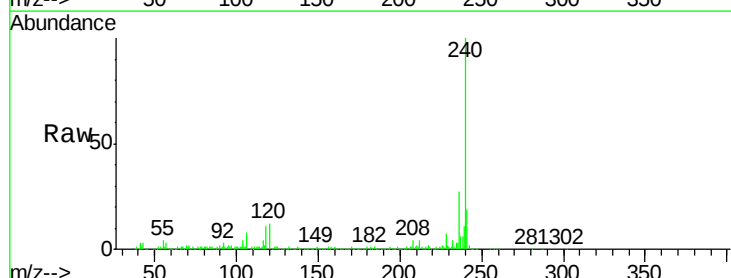
Tgt Ion:240 Resp: 304834

Ion Ratio Lower Upper

240 100

120 11.9 11.2 16.8

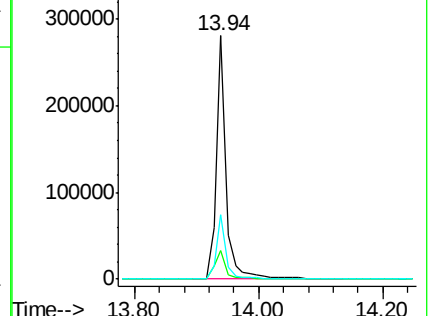
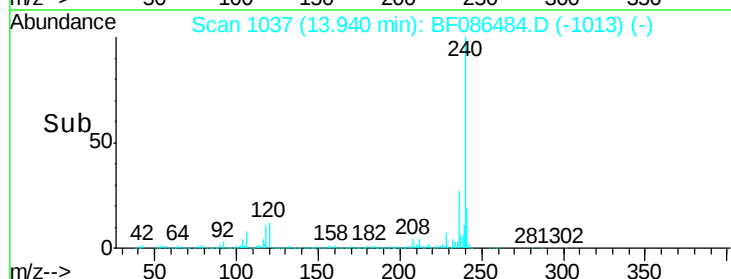
236 26.6 21.2 31.8

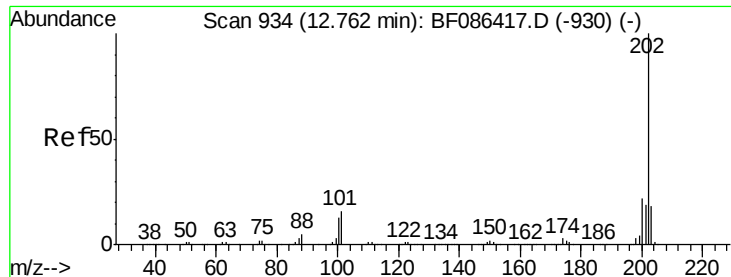


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.14 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.02 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-19(0-6FTBGS)

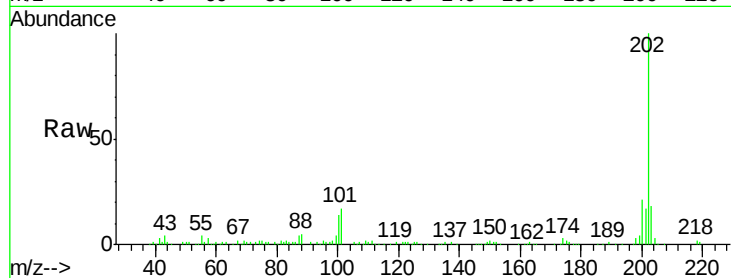
Tot Ion:202 Resp: 134788

Ion Ratio Lower Upper

202 100

200 20.7 17.7 26.5

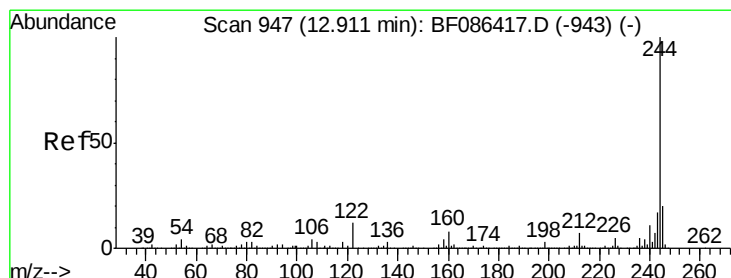
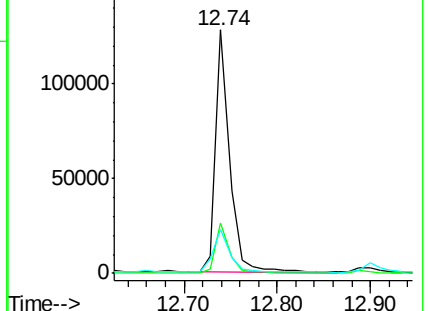
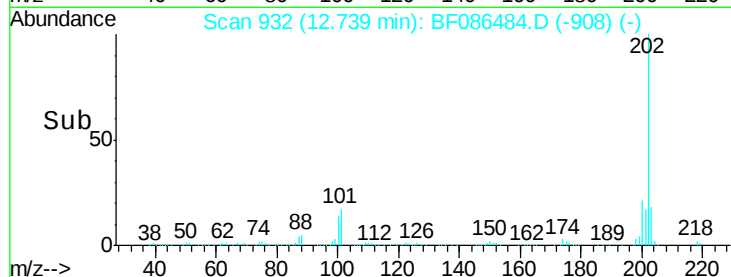
203 18.2 14.2 21.4



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: 55.00 ng

RT: 12.89 min Scan# 945

Delta R.T. -0.02 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

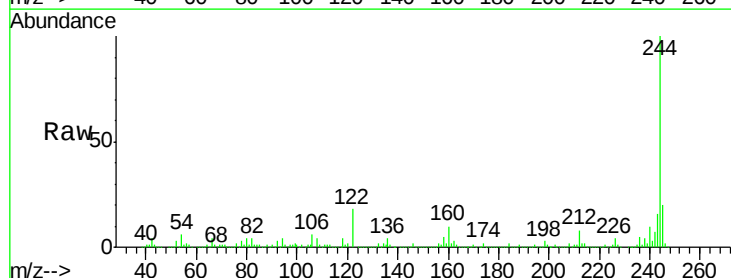
Tgt Ion:244 Resp: 760969

Ion Ratio Lower Upper

244 100

212 7.8 6.2 9.2

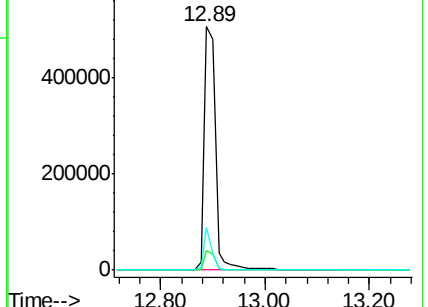
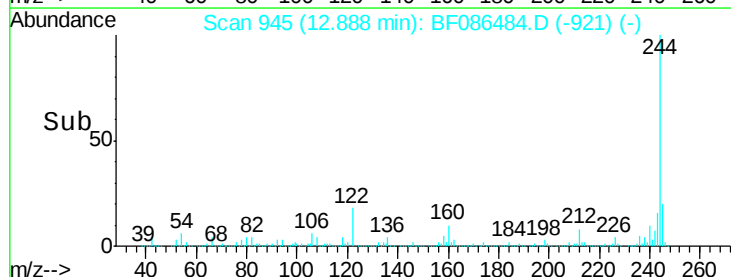
122 17.6 12.0 18.0

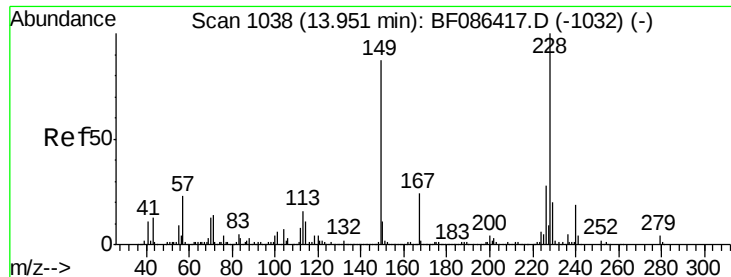


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.93 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.02 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-19(0-6FTBGS)

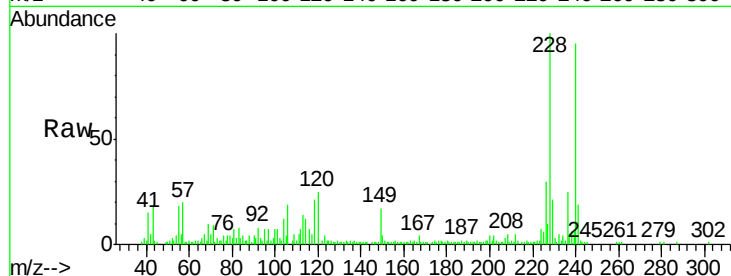
Tot Ion:228 Resp: 80116

Ion Ratio Lower Upper

228 100

226 29.6 22.5 33.7

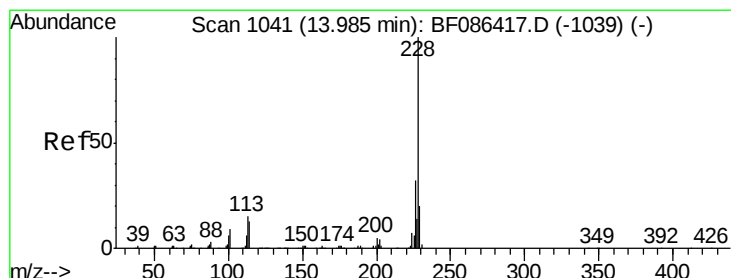
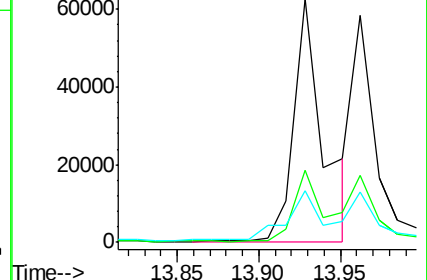
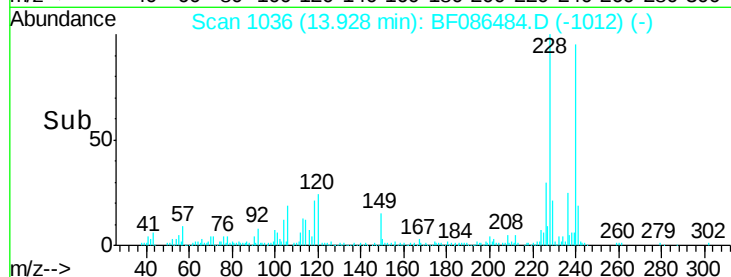
229 21.4 16.6 25.0



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: 4.54 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.06 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

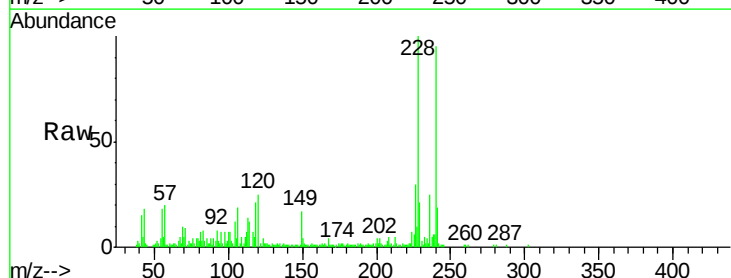
Tgt Ion:228 Resp: 80116

Ion Ratio Lower Upper

228 100

226 29.6 24.4 36.6

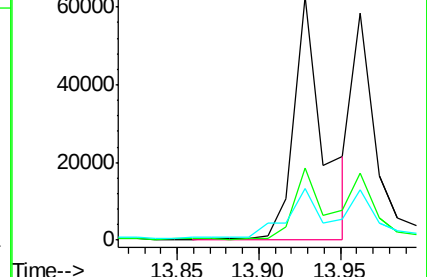
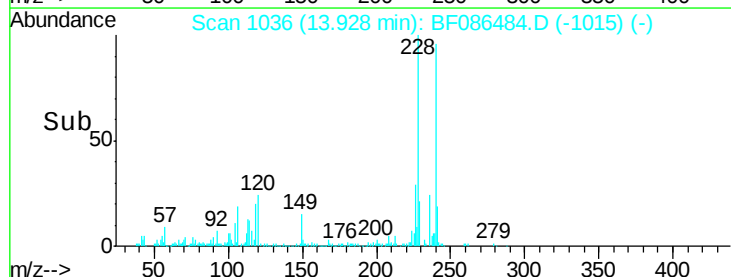
229 21.4 15.8 23.8

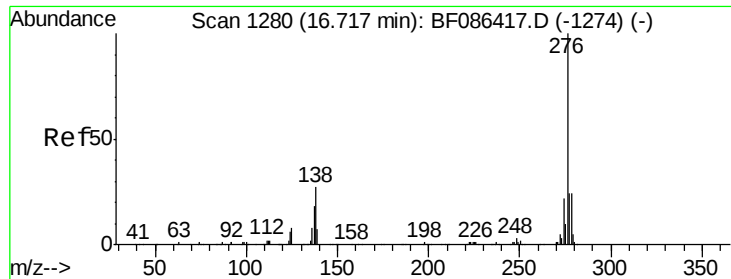


Abundance Ion 228.00 (227.70 to 228.70): E

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: 3.13 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.03 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

Instrument :

BNA_F

ClientSampleId :

26WARD-2A-CS-19(0-6FTBGS)

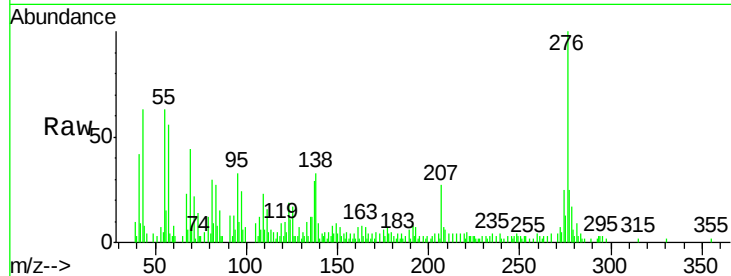
Tot Ion:276 Resp: 41029

Ion Ratio Lower Upper

276 100

138 28.1 25.6 38.4

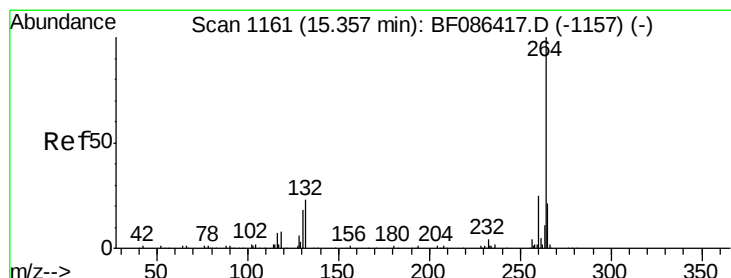
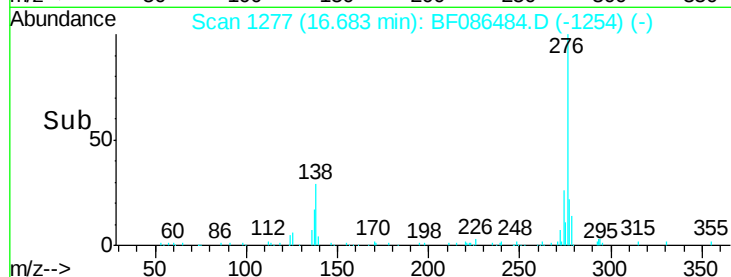
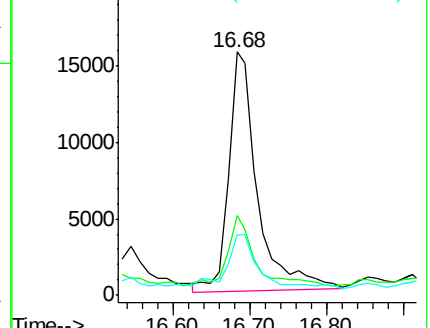
277 25.5 20.5 30.7



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: 20.00 ng

RT: 15.35 min Scan# 1160

Delta R.T. -0.01 min

Lab File: BF086484.D

Acq: 29 Apr 2016 1:15

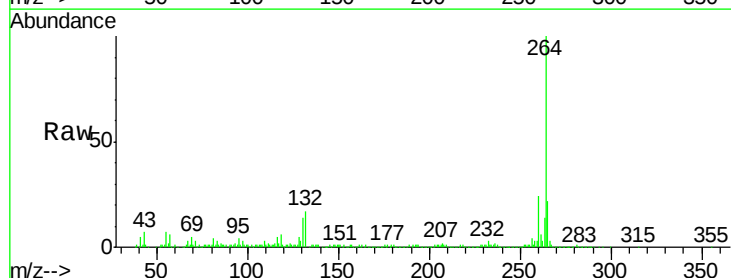
Tgt Ion:264 Resp: 281246

Ion Ratio Lower Upper

264 100

260 24.4 19.5 29.3

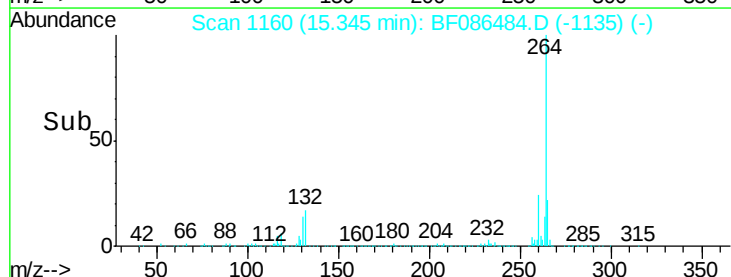
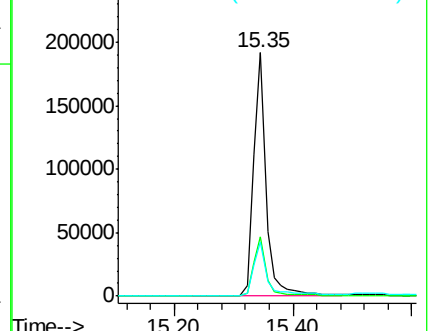
265 22.1 17.3 25.9

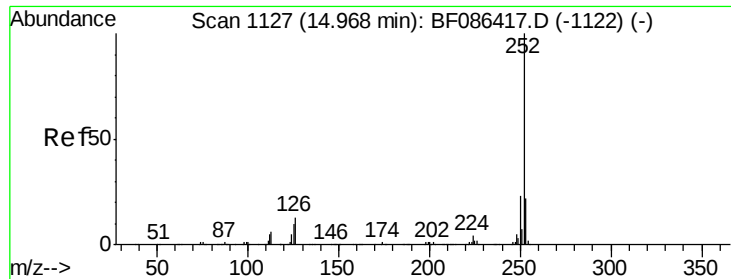


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

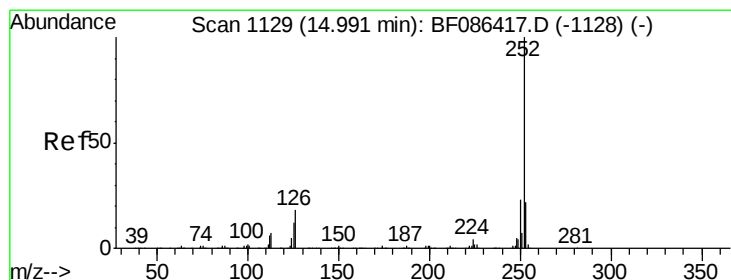
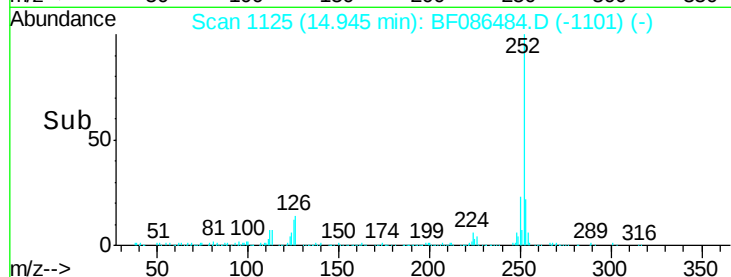
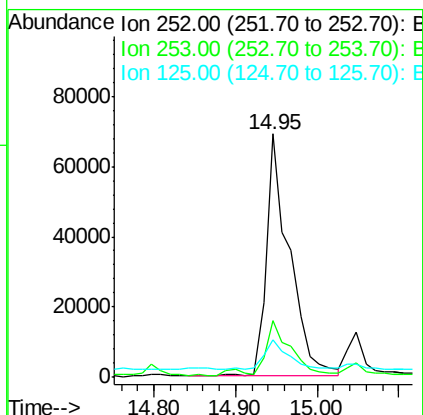
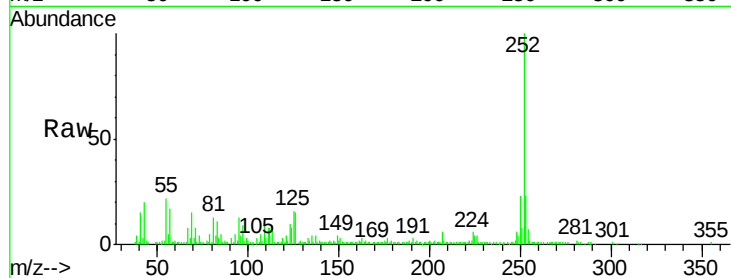




#87
Benzo(b)fluoranthene
Concen: 8.21 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

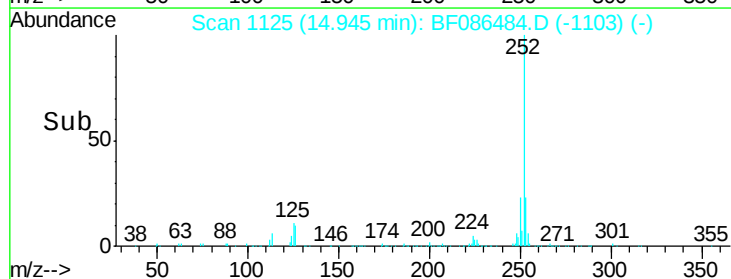
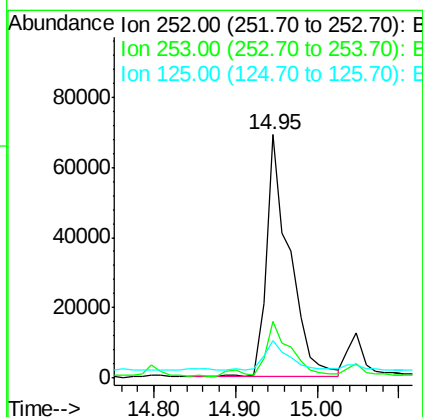
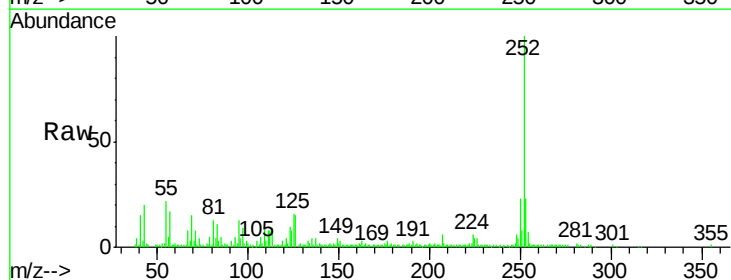
Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-19(0-6FTBGS)

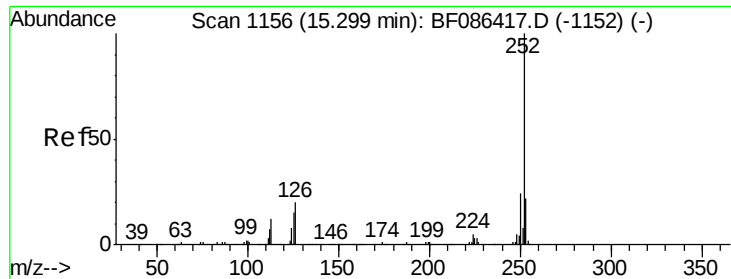
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	15.6	11.4	17.0



#88
Benzo(k)fluoranthene
Concen: 7.87 ng
RT: 14.95 min Scan# 1125
Delta R.T. -0.05 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.6
125	15.6	9.1	13.7#

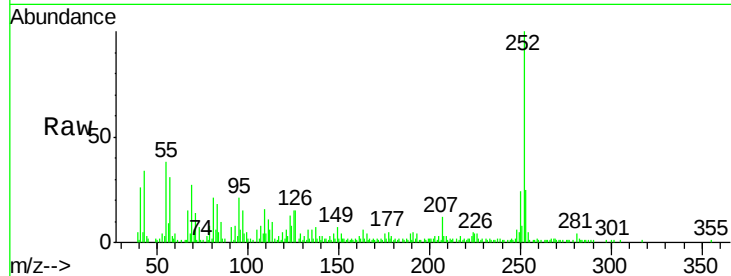




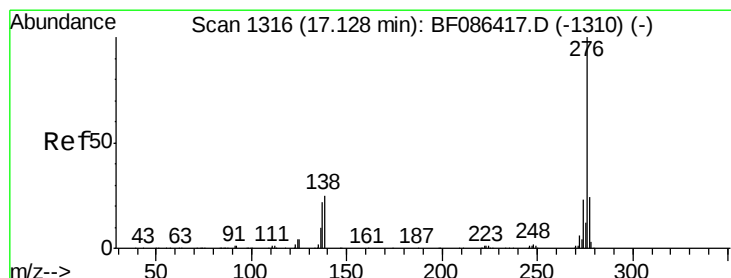
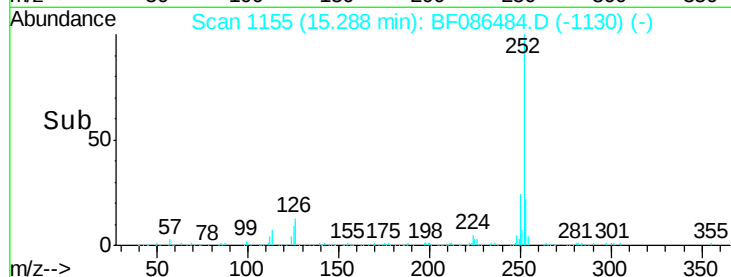
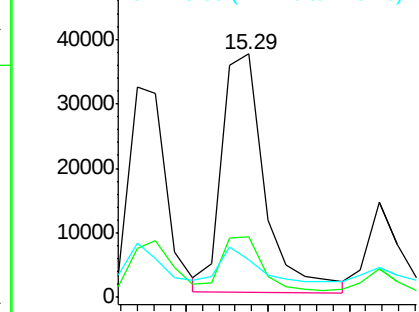
#89
Benzo(a)pyrene
Concen: 4.33 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

Instrument :
BNA_F
ClientSampleId :
26WARD-2A-CS-19(0-6FTBGS)

Tot Ion:252 Resp: 67585
Ion Ratio Lower Upper
252 100
253 24.7 17.2 25.8
125 15.4 9.0 13.6#

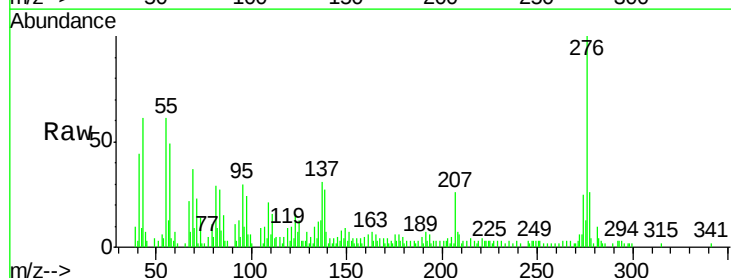


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.94 ng
RT: 17.09 min Scan# 1313
Delta R.T. -0.03 min
Lab File: BF086484.D
Acq: 29 Apr 2016 1:15

Tgt Ion:276 Resp: 37705
Ion Ratio Lower Upper
276 100
277 25.9 19.6 29.4
138 27.1 23.6 35.4



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

