

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040716\
 Data File : BF086129.D
 Acq On : 7 Apr 2016 13:50
 Operator : UM/SJ
 Sample : H2166-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5

Quant Time: Apr 08 01:38:41 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040216.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 01 23:17:06 2016
 Response via : Initial Calibration

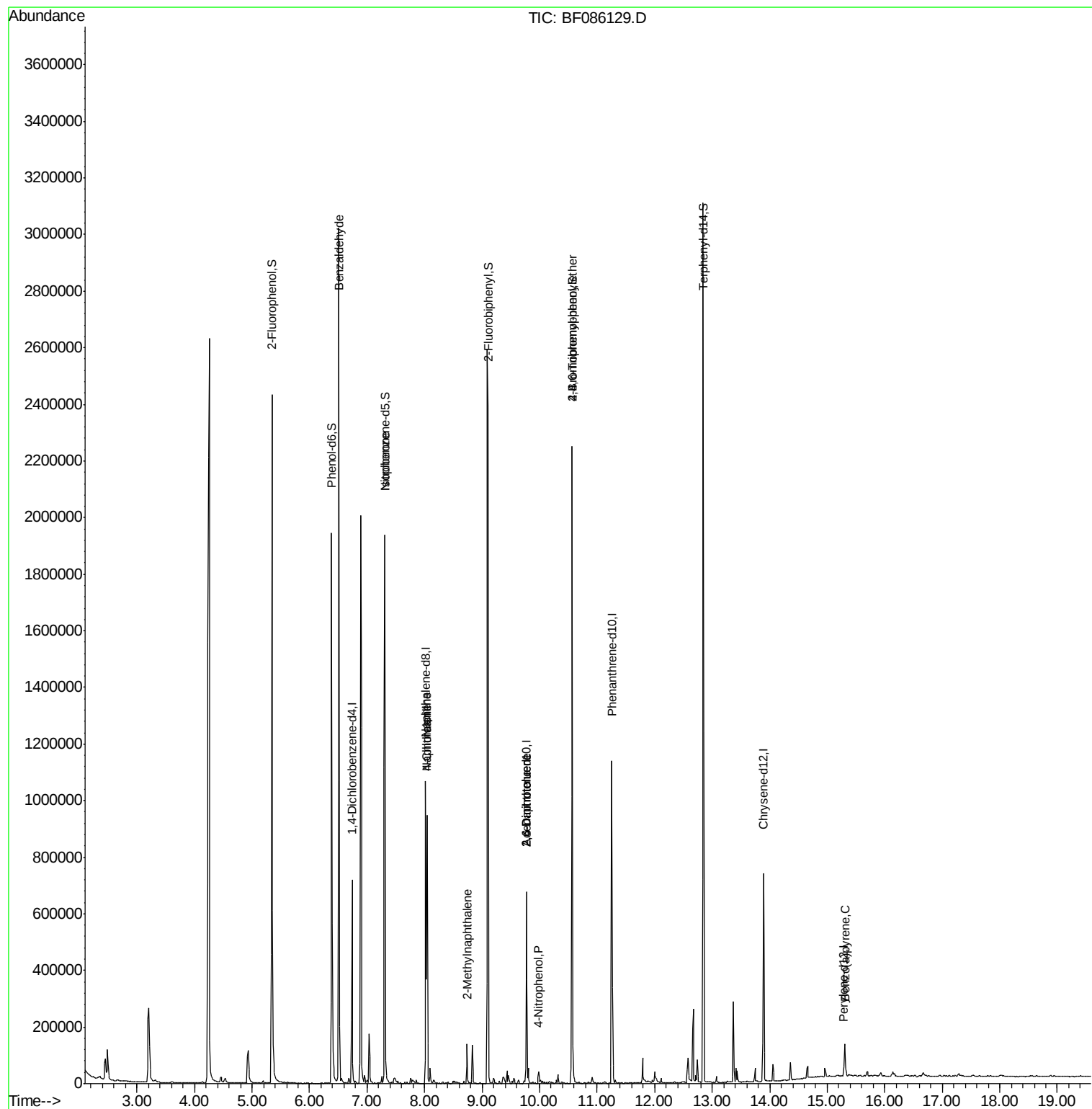
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	120606	20.00	ng	-0.03
21) Naphthalene-d8	8.02	136	468421	20.00	ng	-0.05
38) Acenaphthene-d10	9.77	164	142996	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	402367	20.00	ng	-0.05
75) Chrysene-d12	13.89	240	180959	20.00	ng	-0.03
86) Perylene-d12	15.29	264	5862	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	804846	114.07	ng	-0.02
7) Phenol-d6	6.38	99	743527	82.96	ng	-0.03
23) Nitrobenzene-d5	7.31	82	802409	101.02	ng	-0.03
41) 2,4,6-Tribromophenol	10.57	330	319235	237.85	ng	-0.03
44) 2-Fluorobiphenyl	9.10	172	1286060	149.54	ng	-0.03
78) Terphenyl-d14	12.84	244	1117950	145.22	ng	-0.03
Target Compounds						
9) Benzaldehyde	6.51	77	20062	4.16	ng	Qvalue 86
25) Isophorone	7.31	82	795350	50.73	ng	# 68
31) Naphthalene	8.04	128	424641	18.02	ng	98
33) 4-Chloroaniline	8.04	127	54737	5.75	ng	# 33
37) 2-Methylnaphthalene	8.74	142	45641	2.97	ng	99
50) 2,6-Dinitrotoluene	9.77	165	19058	8.50	ng	# 20
55) 4-Nitrophenol	9.98	139	6366	4.00	ng	# 10
56) 2,4-Dinitrotoluene	9.77	165	19055	6.72	ng	# 38
66) 4-Bromophenyl-phenylether	10.57	248	21764	5.30	ng	# 1
89) Benzo(a)pyrene	15.31	252	1440	4.41	ng	# 1

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

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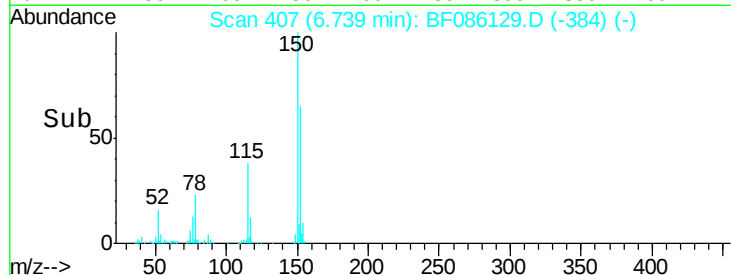
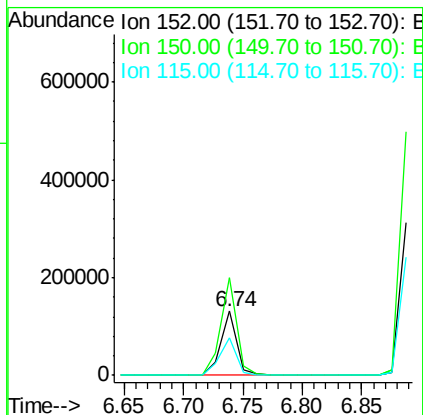
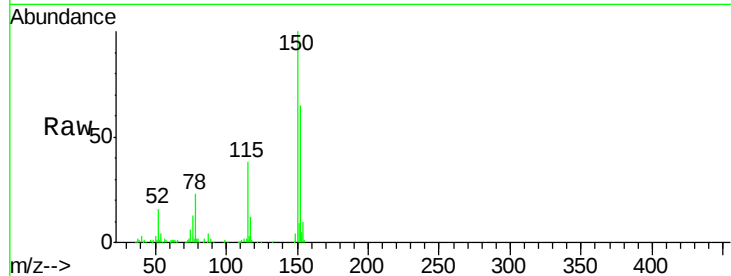


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.03 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

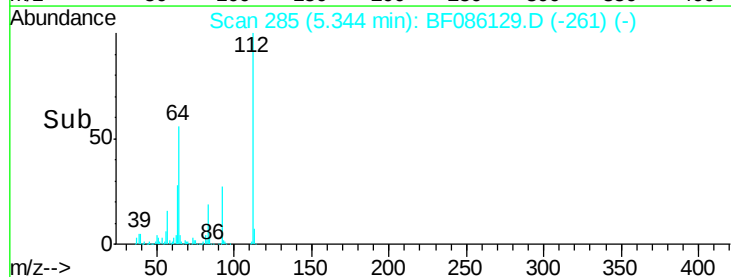
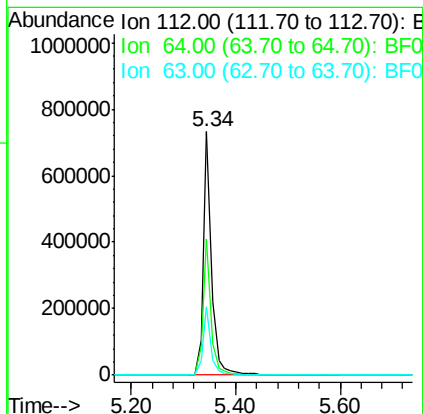
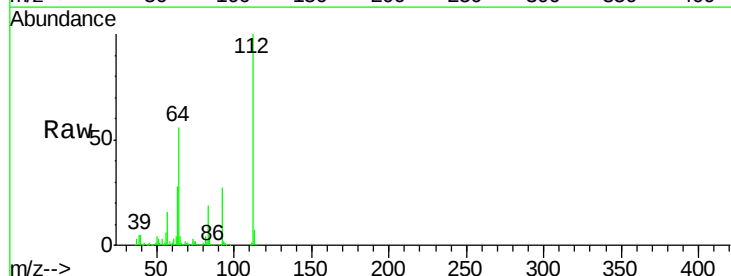
Tgt Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.2	186.2
115	58.1	47.0	70.6



#5

2-Fluorophenol
Concen: 114.07 ng
RT: 5.34 min Scan# 285
Delta R.T. -0.02 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.8	39.9	59.9
63	28.1	20.2	30.2





#7

Phenol-d6

Concen: 82.96 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.03 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5

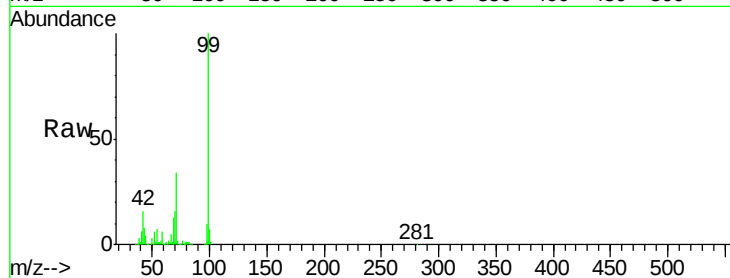
Tgt Ion: 99 Resp: 743527

Ion Ratio Lower Upper

99 100

42 16.3 11.1 16.7

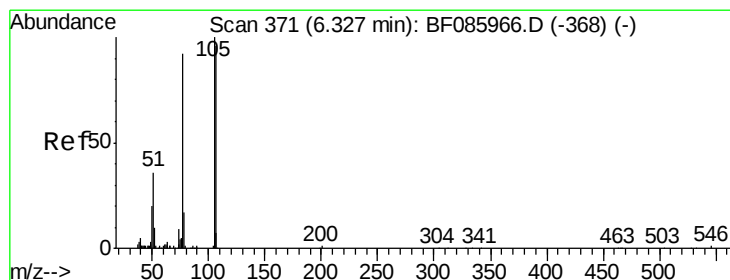
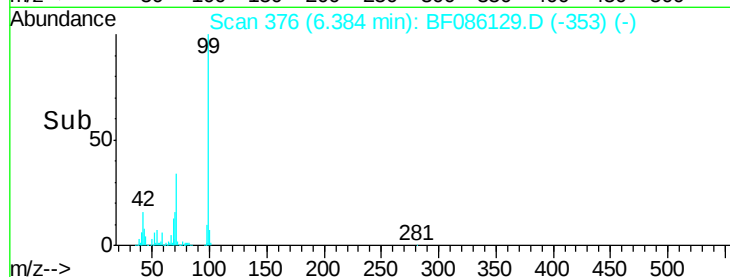
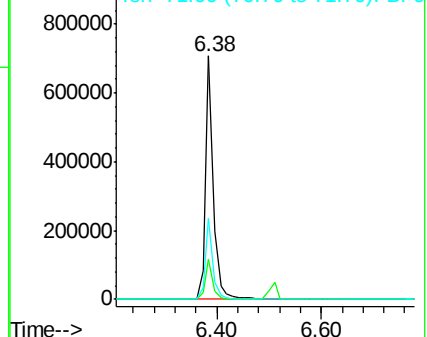
71 33.5 24.9 37.3



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



#9

Benzaldehyde

Concen: 4.16 ng

RT: 6.51 min Scan# 387

Delta R.T. 0.18 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

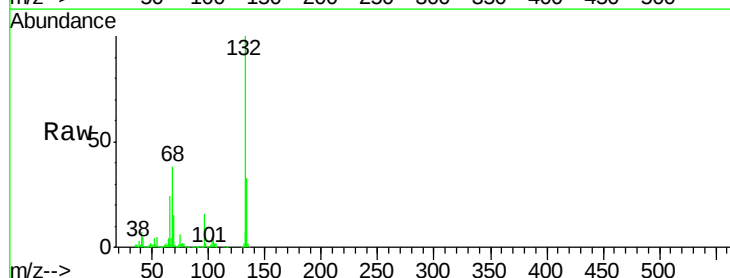
Tgt Ion: 77 Resp: 20062

Ion Ratio Lower Upper

77 100

105 84.5 80.1 120.1

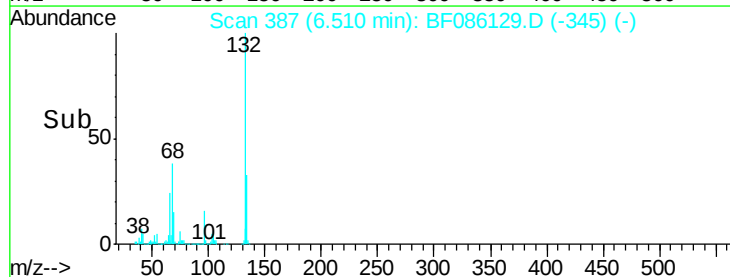
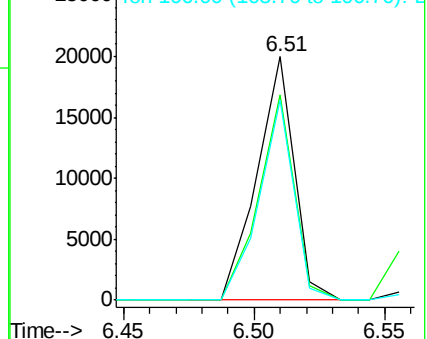
106 82.2 75.0 115.0

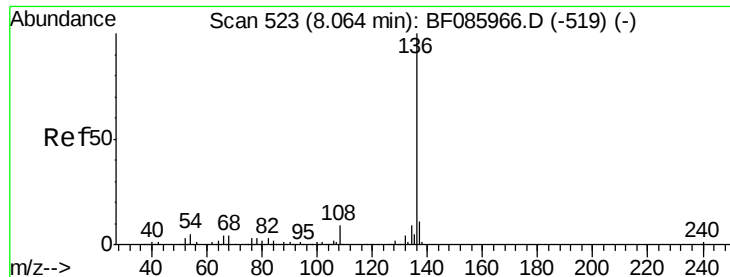


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

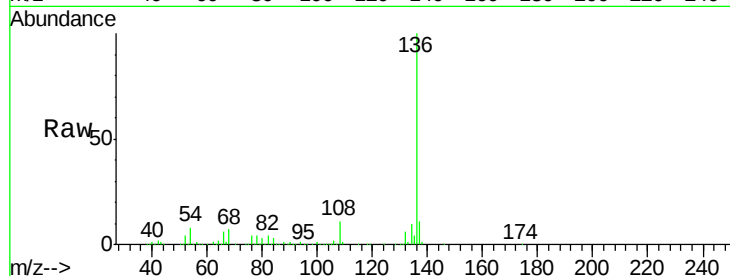




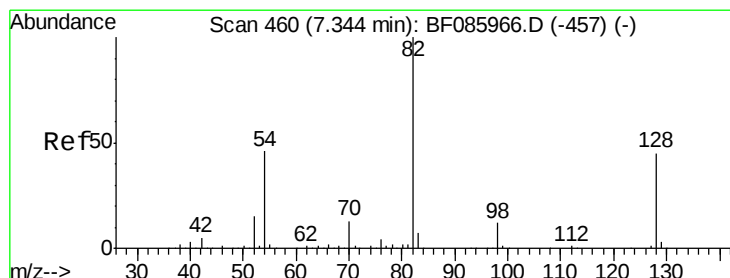
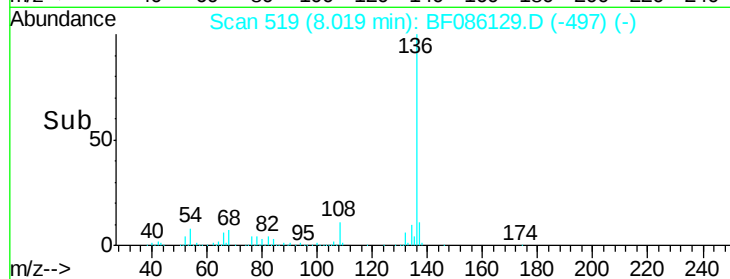
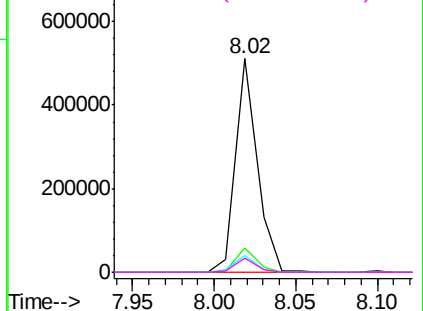
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.05 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Instrument :
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Tgt Ion:	136	Resp:	468421
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	7.9	7.4	11.0
68	6.6	5.8	8.8

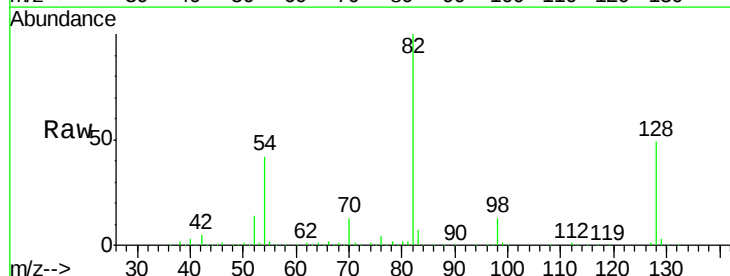


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

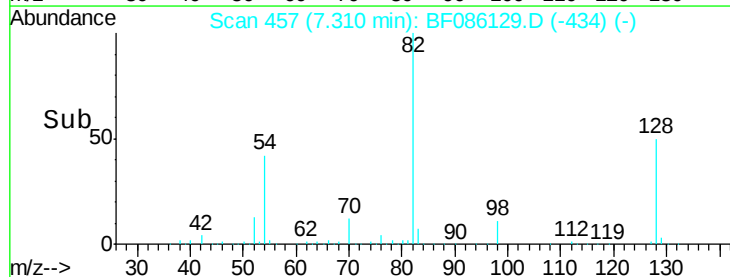
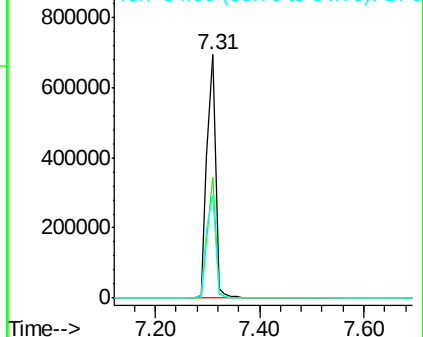


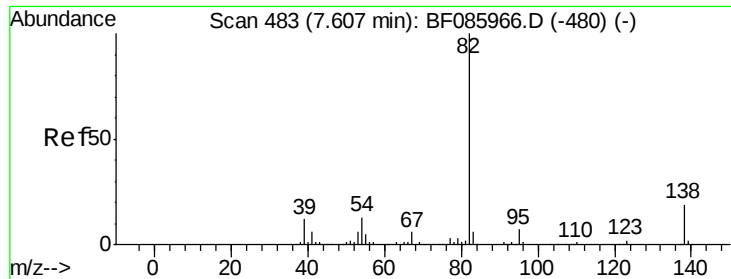
#23
Nitrobenzene-d5
Concen: 101.02 ng
RT: 7.31 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Tgt Ion:	82	Resp:	802409
Ion	Ratio	Lower	Upper
82	100		
128	49.5	41.8	62.8
54	42.5	33.4	50.0



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 50.73 ng

RT: 7.31 min Scan# 457

Delta R.T. -0.30 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5

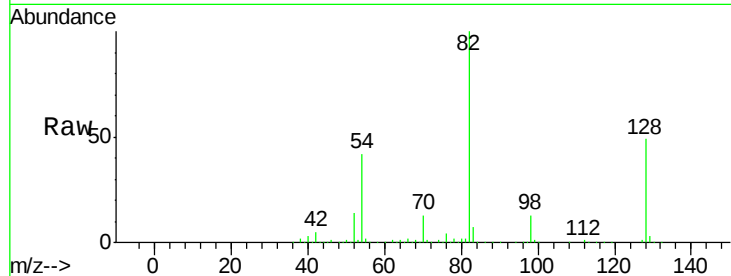
Tgt Ion: 82 Resp: 795350

Ion Ratio Lower Upper

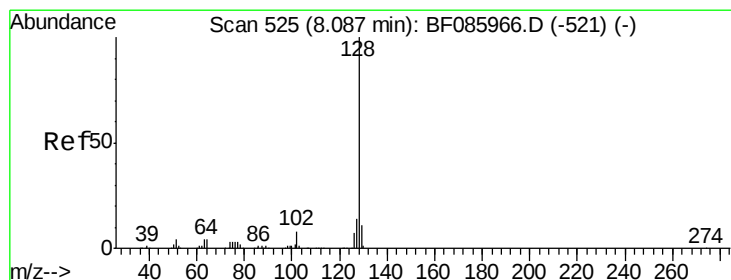
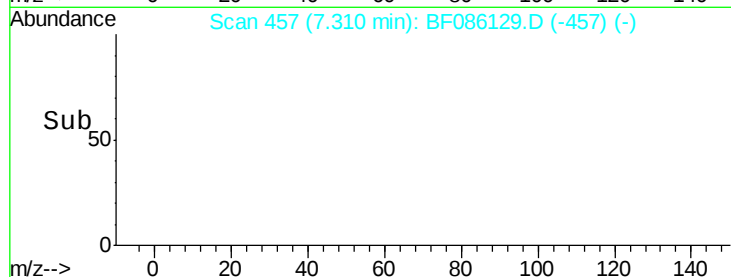
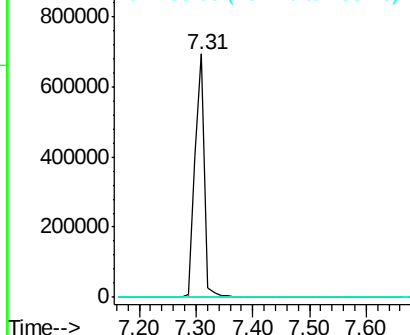
82 100

95 0.0 5.4 8.2#

138 0.0 12.9 19.3#



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



#31

Naphthalene

Concen: 18.02 ng

RT: 8.04 min Scan# 521

Delta R.T. -0.05 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

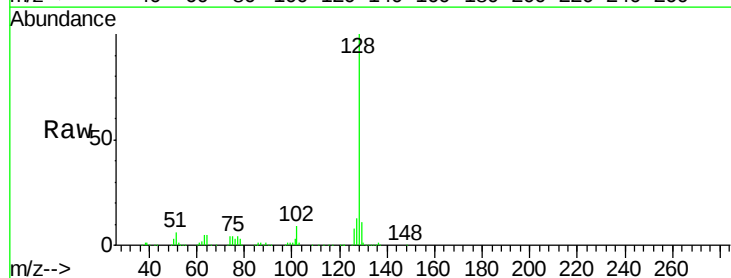
Tgt Ion: 128 Resp: 424641

Ion Ratio Lower Upper

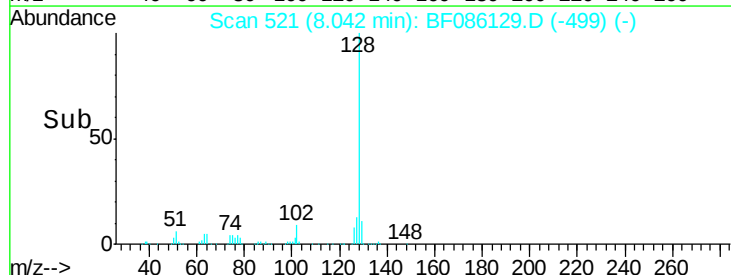
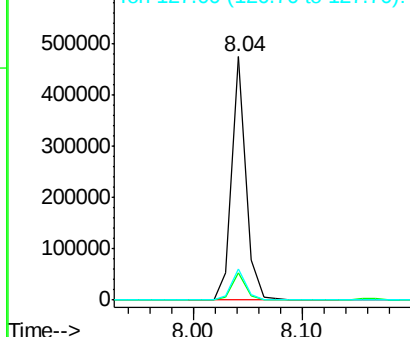
128 100

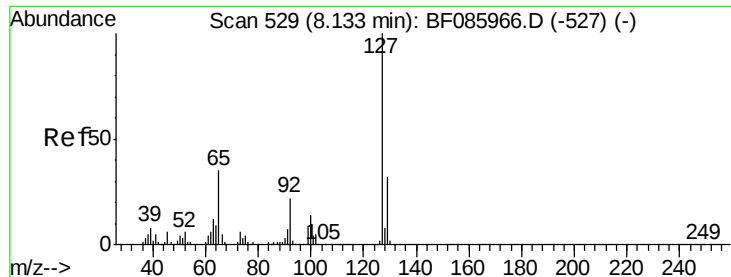
129 11.2 9.4 14.0

127 13.0 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

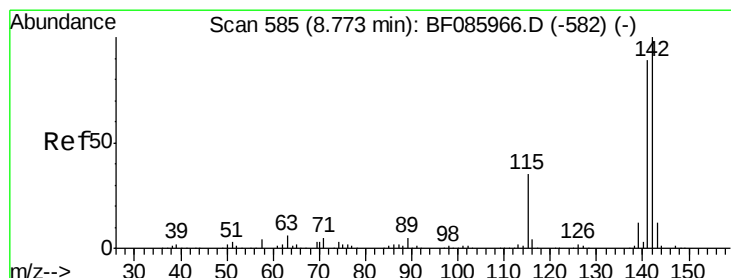
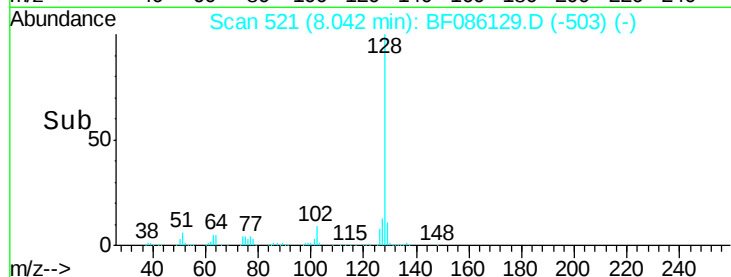
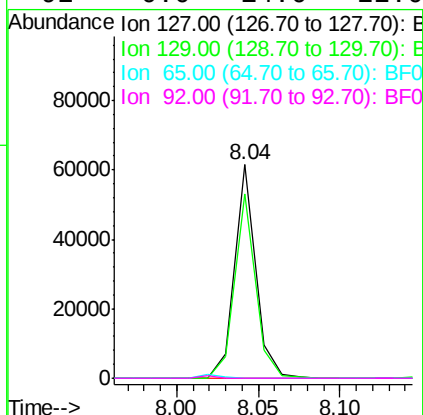
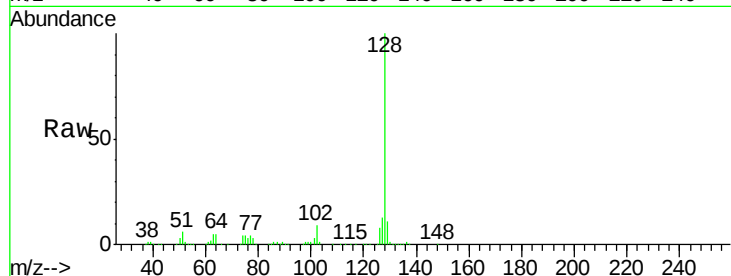




#33
 4-Chloroaniline
 Concen: 5.75 ng
 RT: 8.04 min Scan# 521
 Delta R.T. -0.09 min
 Lab File: BF086129.D
 Acq: 7 Apr 2016 13:50

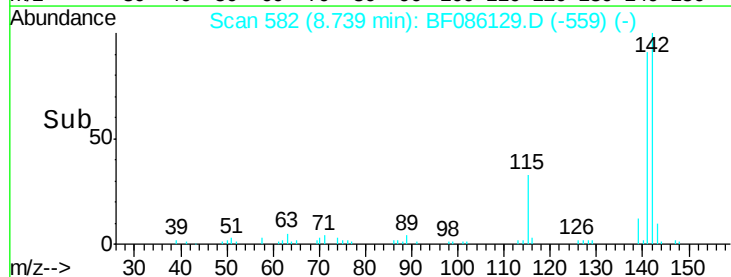
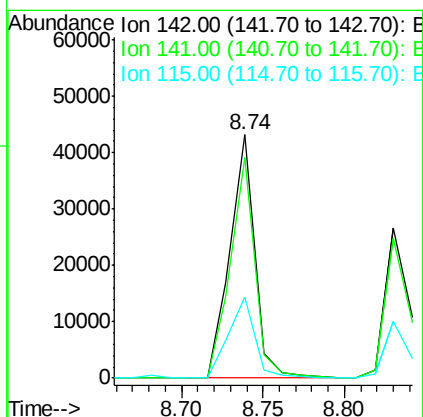
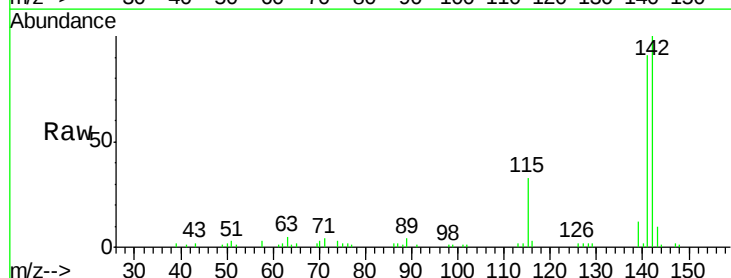
Instrument :
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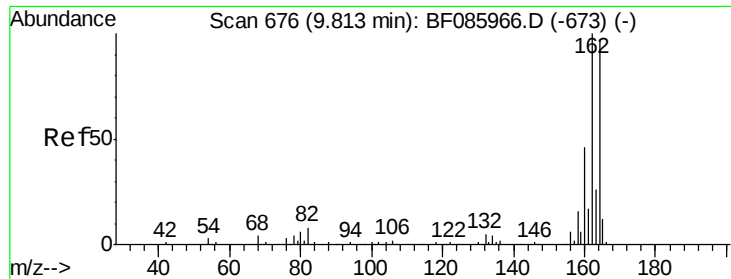
Tgt Ion:	127	Resp:	54737
Ion	Ratio	Lower	Upper
127	100		
129	86.1	26.1	39.1#
65	0.0	19.5	29.3#
92	0.0	14.6	22.0#



#37
 2-Methylnaphthalene
 Concen: 2.97 ng
 RT: 8.74 min Scan# 582
 Delta R.T. -0.03 min
 Lab File: BF086129.D
 Acq: 7 Apr 2016 13:50

Tgt Ion:	142	Resp:	45641
Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.6	107.4
115	33.3	26.8	40.2





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.05 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5

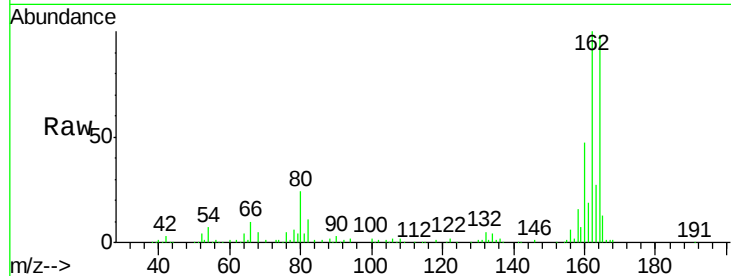
Tgt Ion:164 Resp: 142996

Ion Ratio Lower Upper

164 100

162 102.1 82.1 123.1

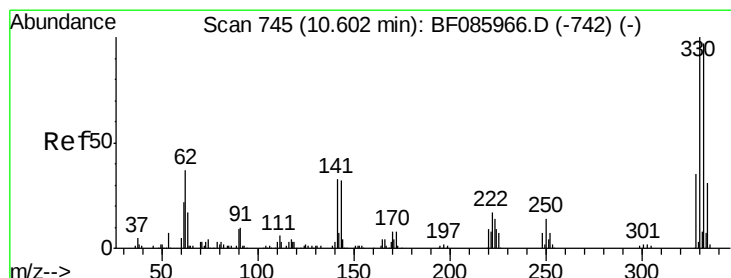
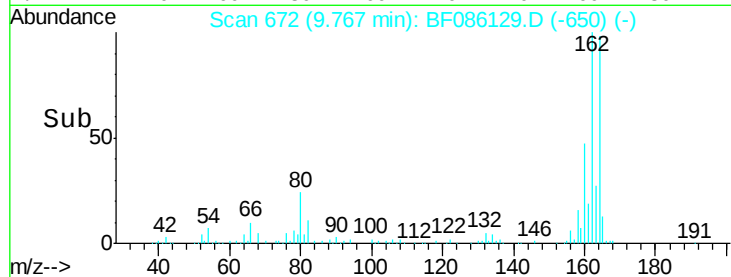
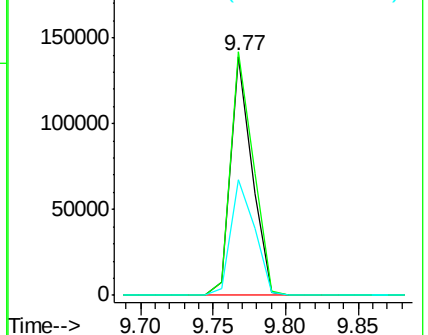
160 48.3 37.4 56.2



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: 237.85 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

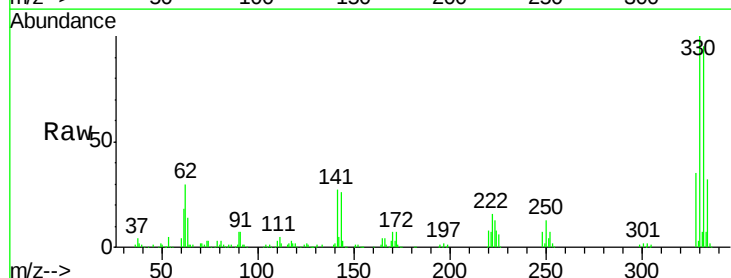
Tgt Ion:330 Resp: 319235

Ion Ratio Lower Upper

330 100

332 96.0 78.2 117.2

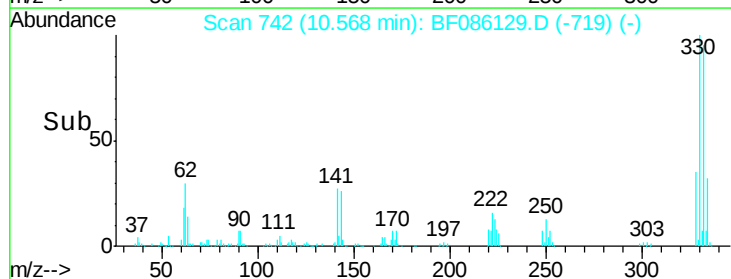
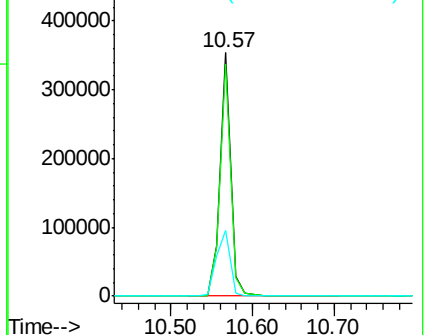
141 35.4 31.5 47.3

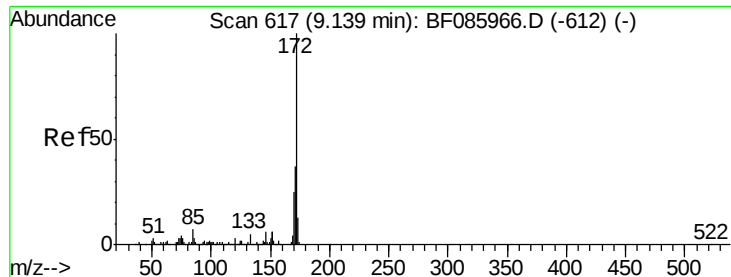


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 149.54 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.03 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

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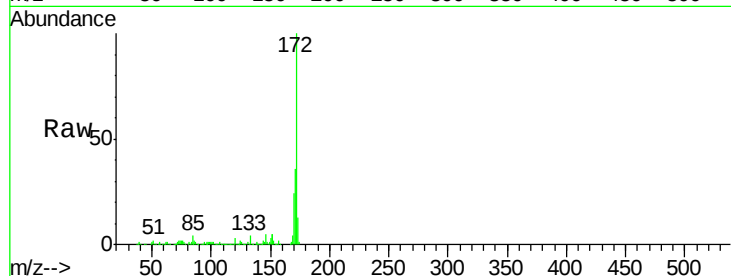
Tgt Ion:172 Resp: 1286060

Ion Ratio Lower Upper

172 100

171 36.0 29.4 44.2

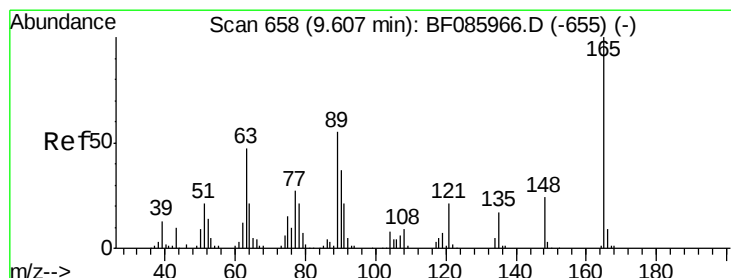
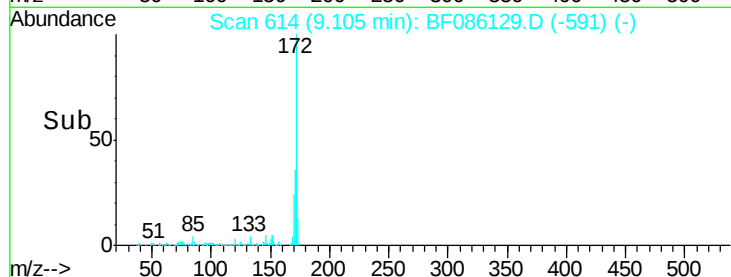
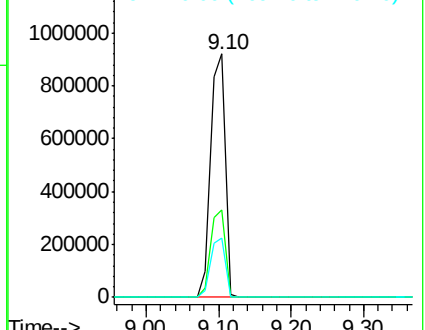
170 24.1 19.8 29.6



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



#50

2,6-Dinitrotoluene

Concen: 8.50 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.16 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

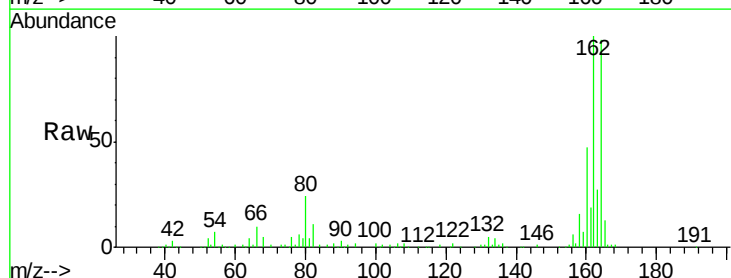
Tgt Ion:165 Resp: 19058

Ion Ratio Lower Upper

165 100

63 2.2 51.8 77.8#

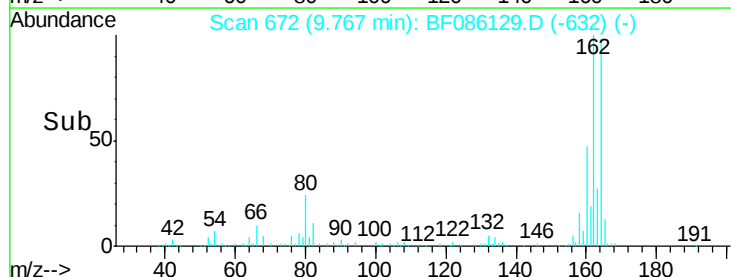
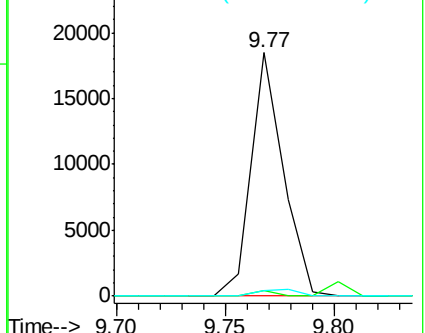
89 2.4 53.7 80.5#

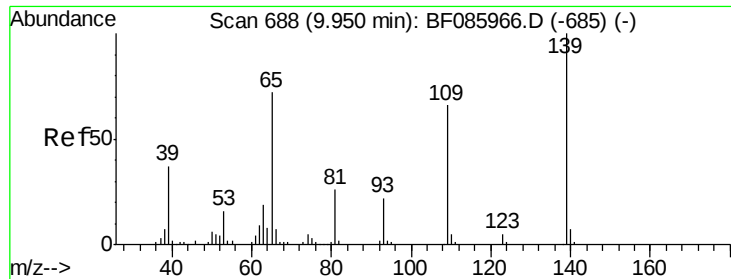


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

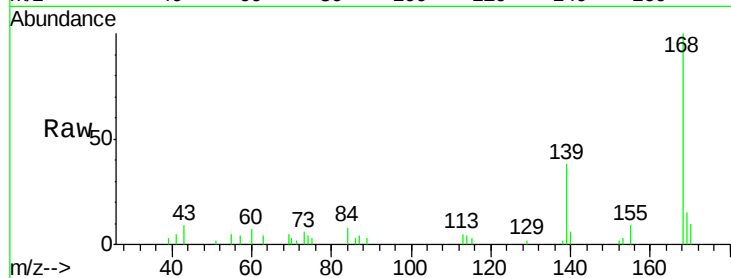




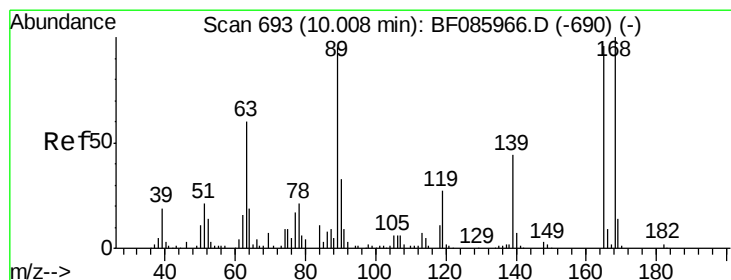
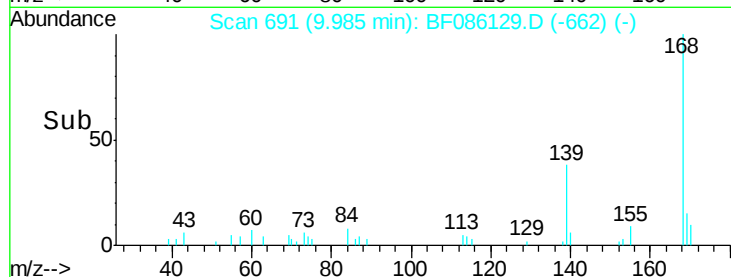
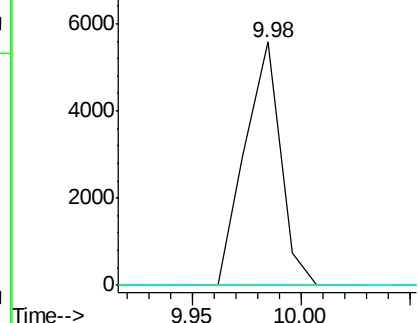
#55
4-Nitrophenol
Concen: 4.00 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.03 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tgt Ion:139 Resp: 6366
Ion Ratio Lower Upper
139 100
109 0.0 49.2 89.2#
65 0.0 66.9 106.9#

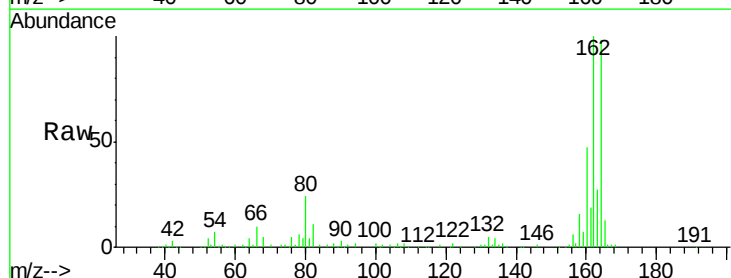


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

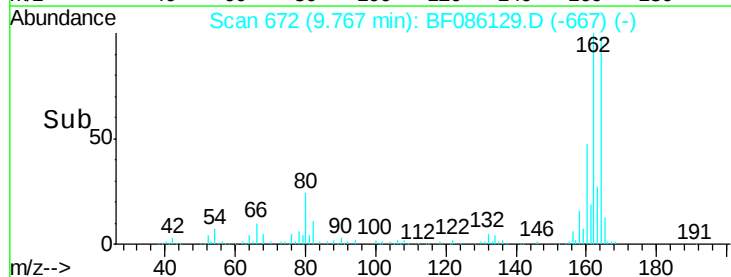
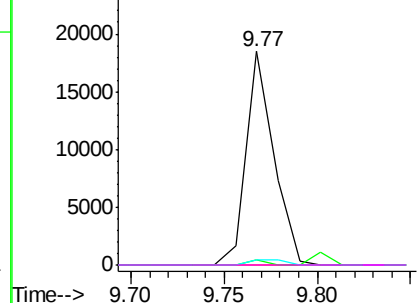


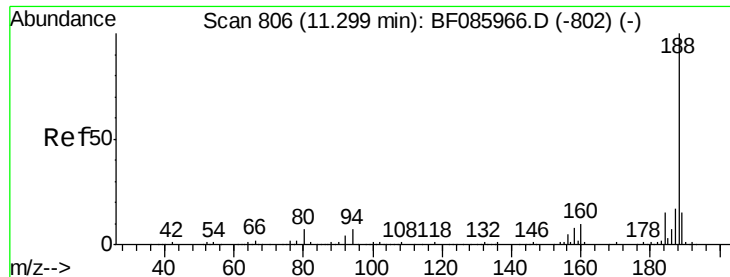
#56
2,4-Dinitrotoluene
Concen: 6.72 ng
RT: 9.77 min Scan# 672
Delta R.T. -0.24 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Tgt Ion:165 Resp: 19055
Ion Ratio Lower Upper
165 100
63 2.2 24.9 37.3#
89 2.4 41.0 61.6#
182 0.0 2.1 3.1#



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

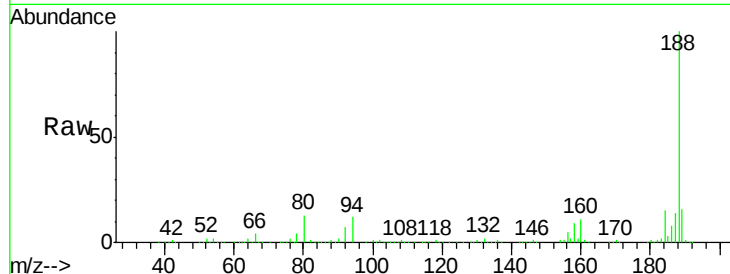




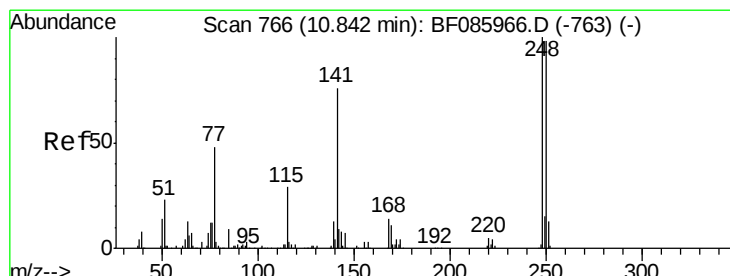
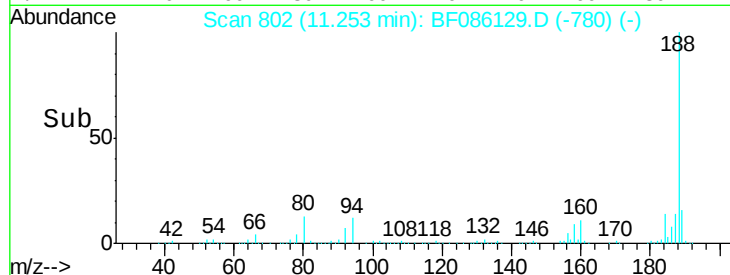
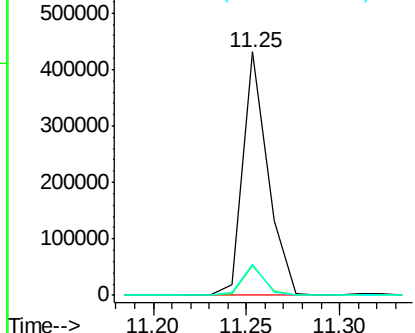
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.05 min
 Lab File: BF086129.D
 Acq: 7 Apr 2016 13:50

Instrument :
 BNA_F
 ClientSampleId :
 COMP-OFL4-AND-L5

Tgt Ion:188 Resp: 402367
 Ion Ratio Lower Upper
 188 100
 94 12.1 5.4 8.0#
 80 12.7 5.5 8.3#

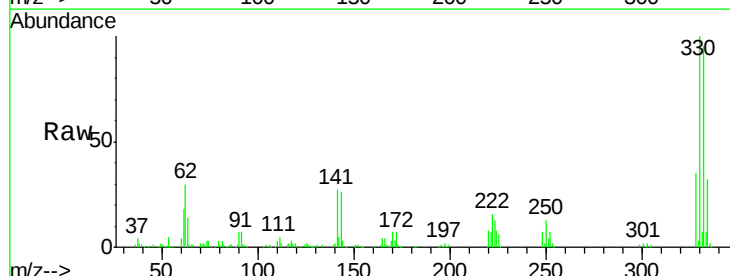


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

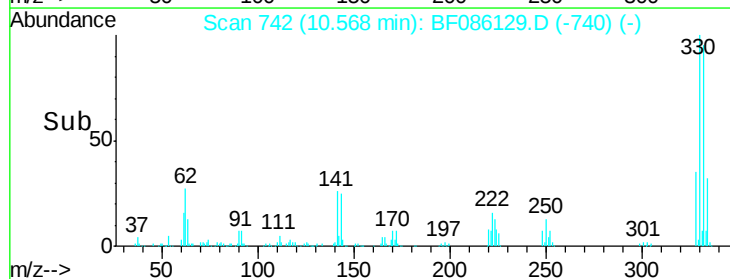
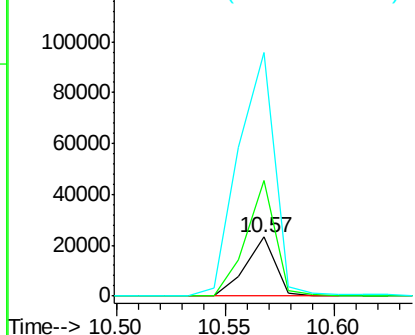


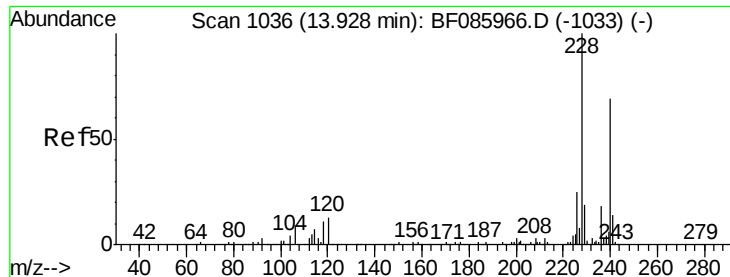
#66
 4-Bromophenyl-phenylether
 Concen: 5.30 ng
 RT: 10.57 min Scan# 742
 Delta R.T. -0.27 min
 Lab File: BF086129.D
 Acq: 7 Apr 2016 13:50

Tgt Ion:248 Resp: 21764
 Ion Ratio Lower Upper
 248 100
 250 196.1 77.4 116.0#
 141 414.6 63.6 95.4#



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: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

Instrument :

BNA_F

ClientSampleId :

COMP-OFL4-AND-L5

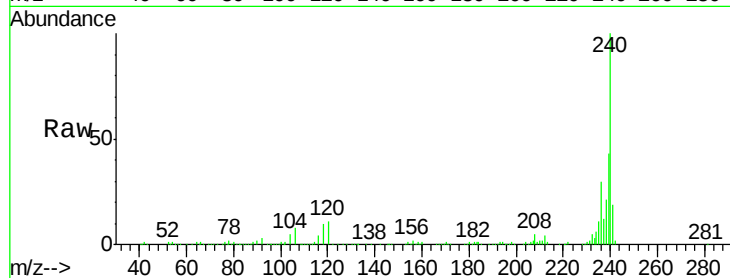
Tgt Ion:240 Resp: 180959

Ion Ratio Lower Upper

240 100

120 10.8 13.8 20.8#

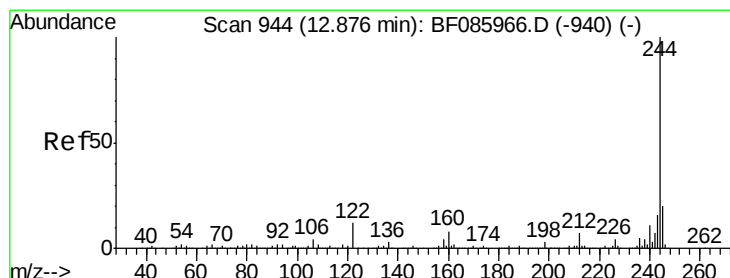
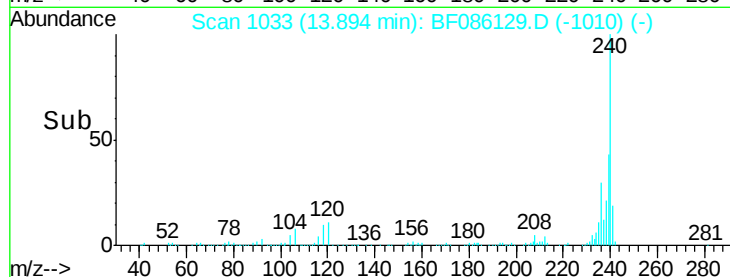
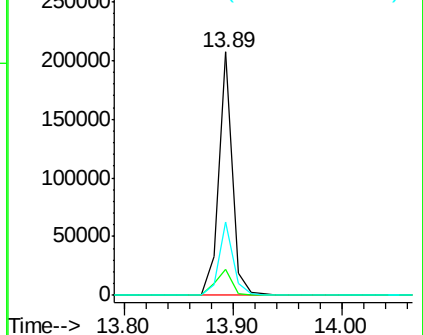
236 29.9 20.6 30.8



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



#78

Terphenyl-d14

Concen: 145.22 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.03 min

Lab File: BF086129.D

Acq: 7 Apr 2016 13:50

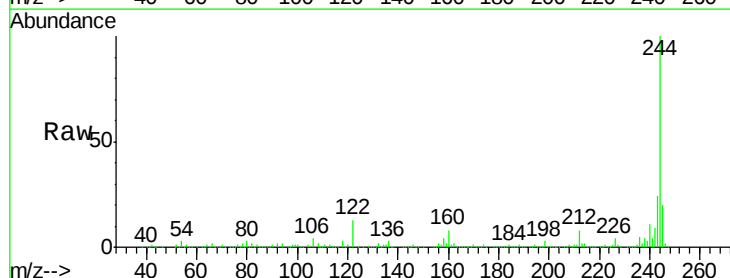
Tgt Ion:244 Resp: 1117950

Ion Ratio Lower Upper

244 100

212 7.5 6.1 9.1

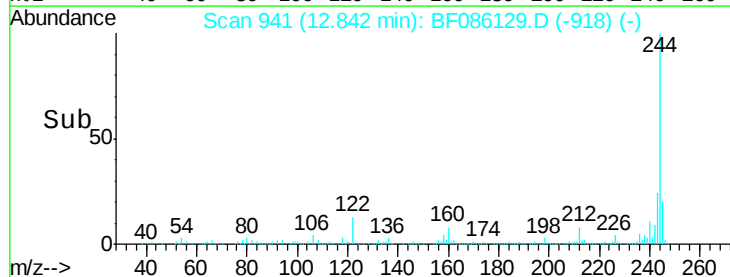
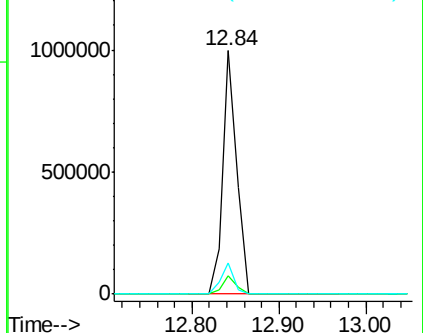
122 13.0 10.2 15.4

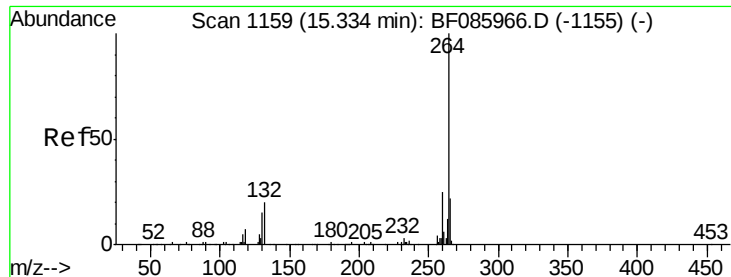


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

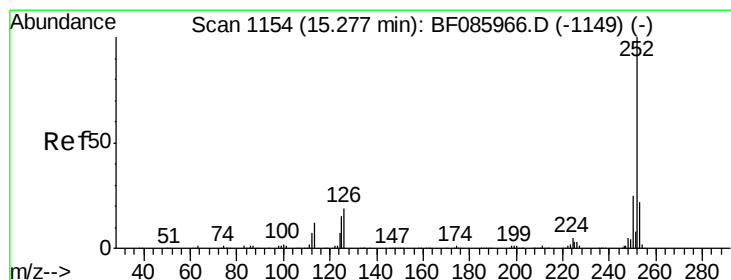
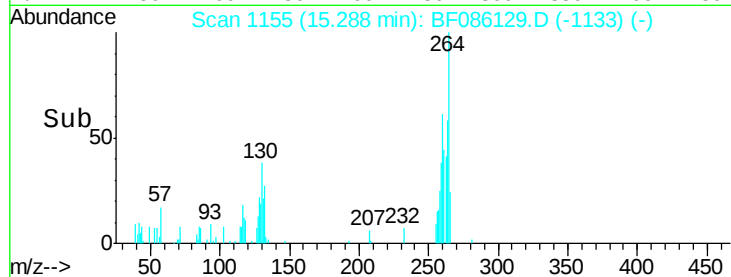
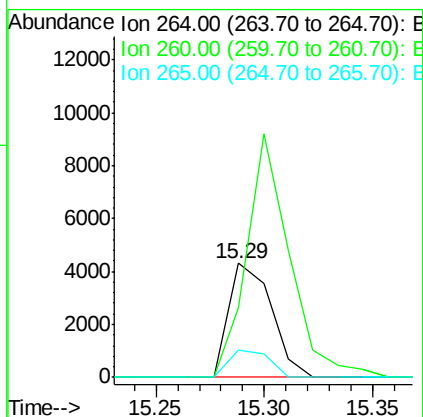
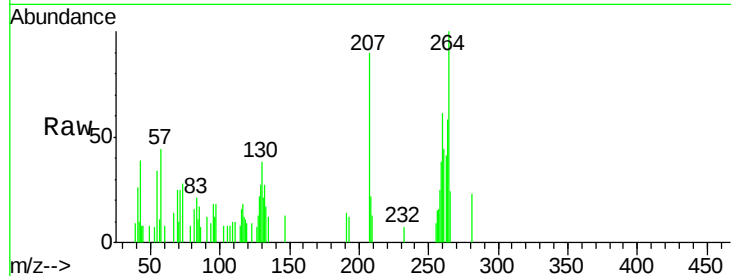




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.05 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Instrument :
BNA_F
ClientSampleId :
COMP-OFL4-AND-L5

Tgt Ion: 264 Resp: 5862
Ion Ratio Lower Upper
264 100
260 60.7 19.4 29.2#
265 24.1 17.2 25.8



#89
Benzo(a)pyrene
Concen: 4.41 ng
RT: 15.31 min Scan# 1157
Delta R.T. 0.03 min
Lab File: BF086129.D
Acq: 7 Apr 2016 13:50

Tgt Ion: 252 Resp: 1440
Ion Ratio Lower Upper
252 100
253 202.9 17.4 26.0#
125 79.4 10.3 15.5#

