

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032116\
 Data File : BF085629.D
 Acq On : 21 Mar 2016 18:34
 Operator : UM/SJ
 Sample : H1803-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-01

Quant Time: Mar 22 00:08:47 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF031816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 18 23:31:39 2016
 Response via : Initial Calibration

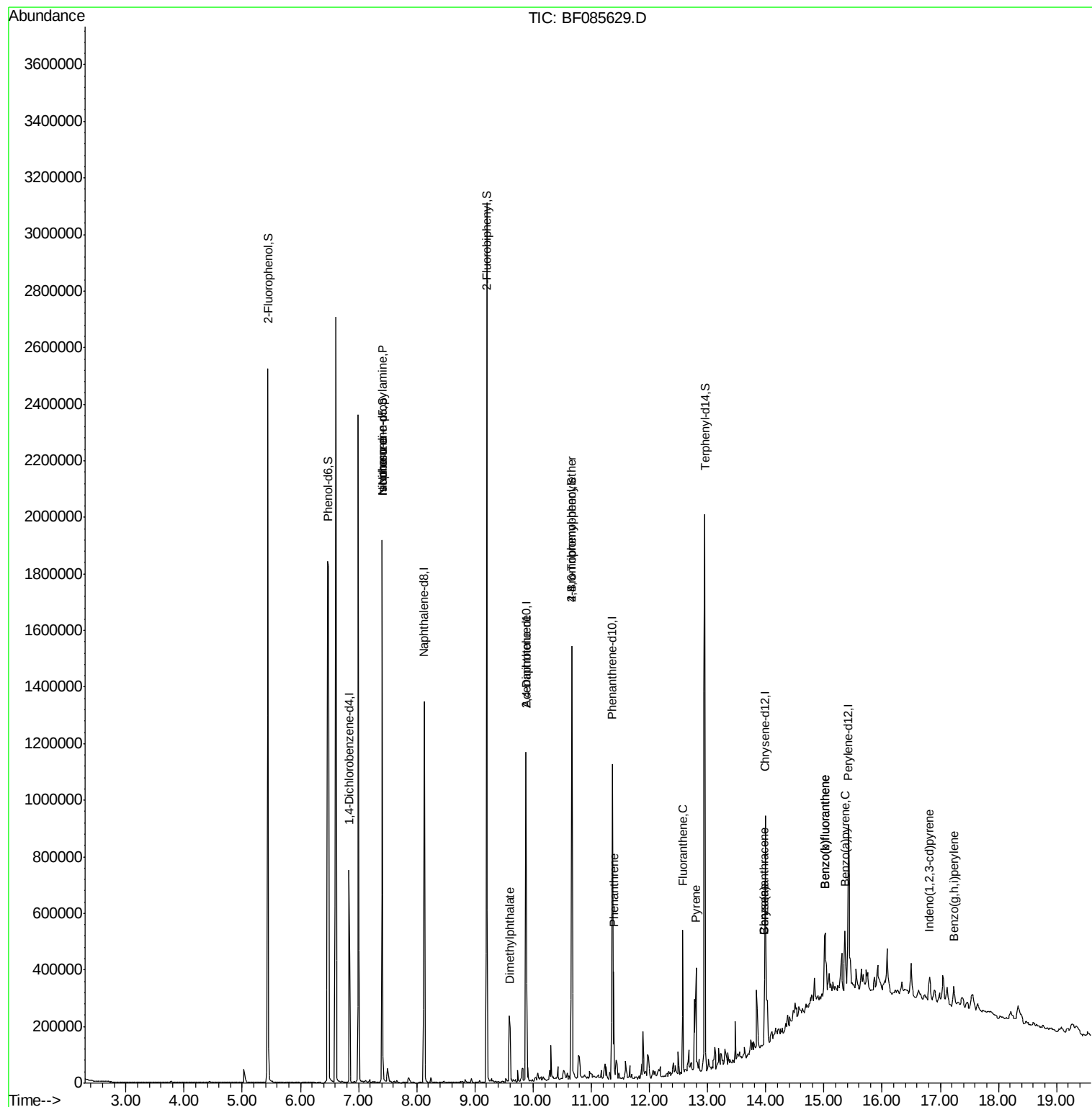
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	141034	20.00	ng	-0.02
21) Naphthalene-d8	8.13	136	581842	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	229777	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	377179	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	276427	20.00	ng	-0.02
86) Perylene-d12	15.42	264	283891	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	846182	100.78	ng	-0.01
7) Phenol-d6	6.48	99	1106597	102.76	ng	-0.01
23) Nitrobenzene-d5	7.41	82	672335	67.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	179574	79.78	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	979492	69.45	ng	-0.02
78) Terphenyl-d14	12.95	244	779686	67.87	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	88762	13.80	ng	# 77
25) Isophorone	7.41	82	501782	25.00	ng	# 68
49) Dimethylphthalate	9.60	163	131688	7.59	ng	98
56) 2,4-Dinitrotoluene	9.88	165	29665	6.19	ng	# 37
66) 4-Bromophenyl-phenylether	10.66	248	12146	3.22	ng	# 1
70) Phenanthrene	11.39	178	132020	6.64	ng	98
74) Fluoranthene	12.57	202	222589	10.69	ng	90
77) Pyrene	12.80	202	186355	9.39	ng	99
80) Benzo(a)anthracene	13.98	228	103642	6.46	ng	95
82) Chrysene	13.98	228	103642	6.71	ng	97
85) Indeno(1,2,3-cd)pyrene	16.81	276	57099	4.43	ng	96
87) Benzo(b)fluoranthene	15.02	252	171885	9.28	ng	98
88) Benzo(k)fluoranthene	15.02	252	171885	11.26	ng	# 95
89) Benzo(a)pyrene	15.36	252	97080	6.18	ng	97
91) Benzo(g,h,i)perylene	17.24	276	57905	4.57	ng	96

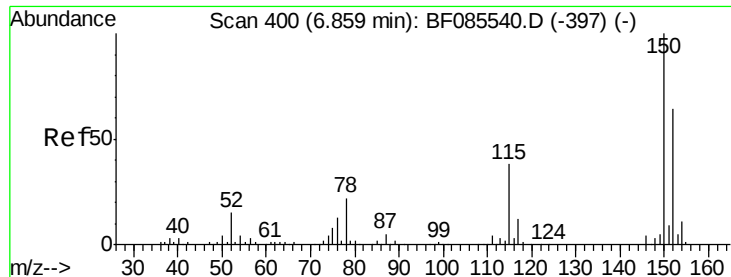
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampleId :

SP-01

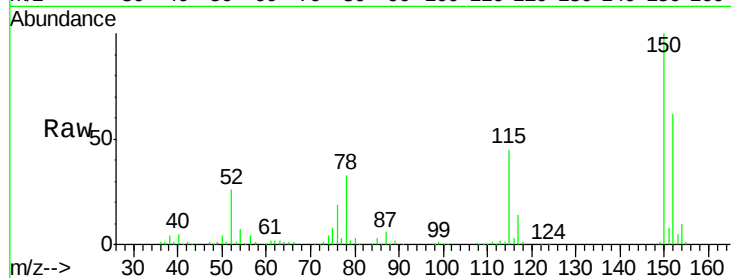
Tgt Ion:152 Resp: 141034

Ion Ratio Lower Upper

152 100

150 162.0 124.2 186.2

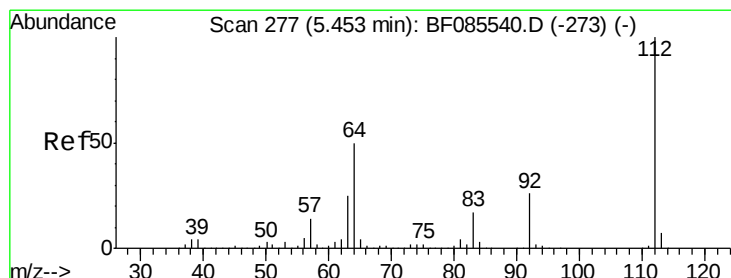
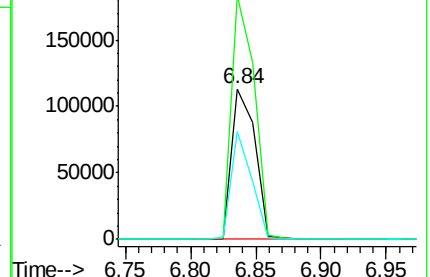
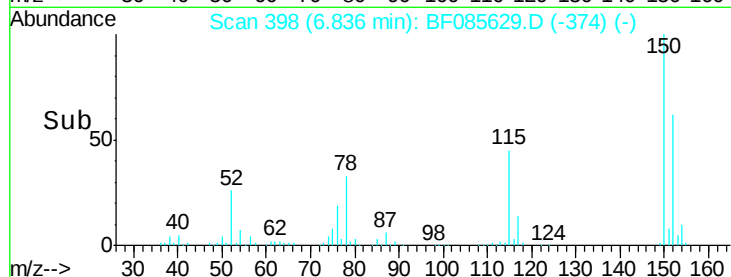
115 72.1 47.0 70.6#



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: 100.78 ng

RT: 5.44 min Scan# 276

Delta R.T. -0.01 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

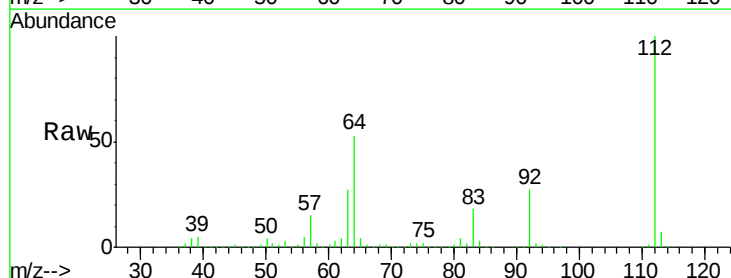
Tgt Ion:112 Resp: 846182

Ion Ratio Lower Upper

112 100

64 52.7 39.9 59.9

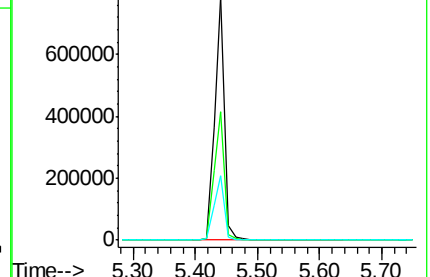
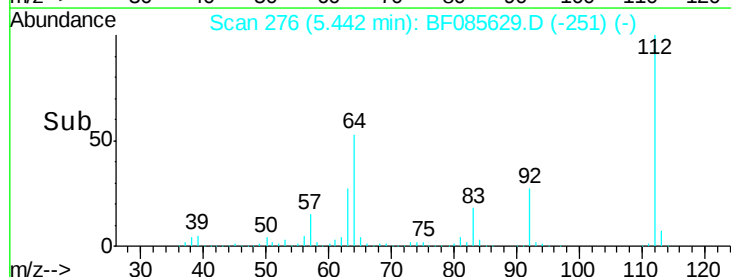
63 26.7 20.2 30.2

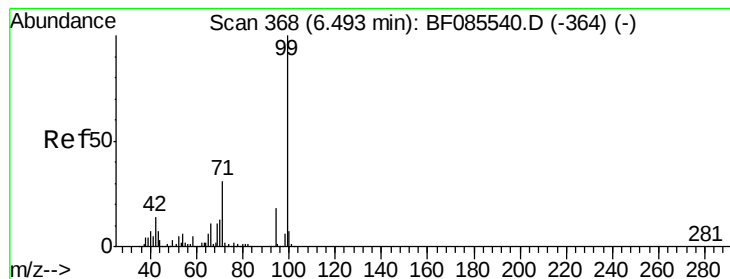


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 102.76 ng

RT: 6.48 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampleId :

SP-01

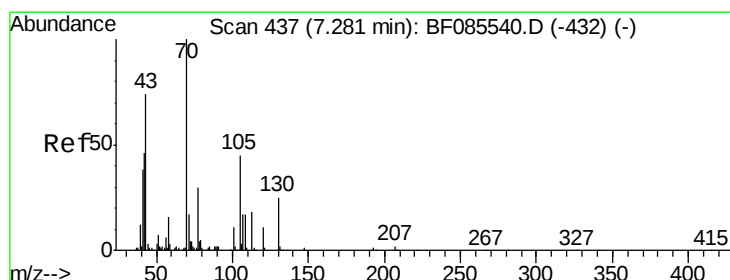
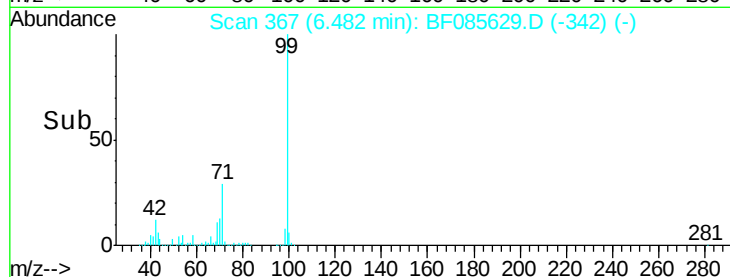
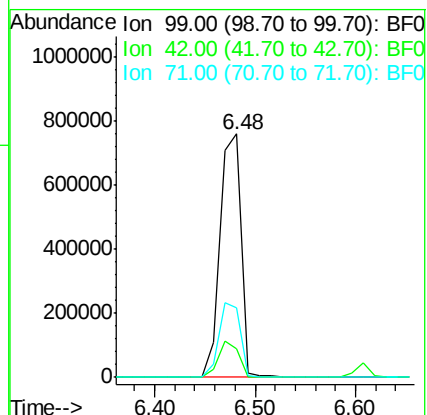
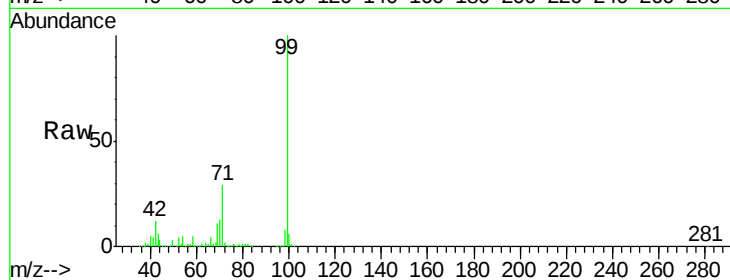
Tgt Ion: 99 Resp: 1106597

Ion Ratio Lower Upper

99 100

42 11.7 11.1 16.7

71 28.7 24.9 37.3



#19

n-Nitroso-di-n-propylamine

Concen: 13.80 ng

RT: 7.41 min Scan# 448

Delta R.T. 0.13 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Tgt Ion: 70 Resp: 88762

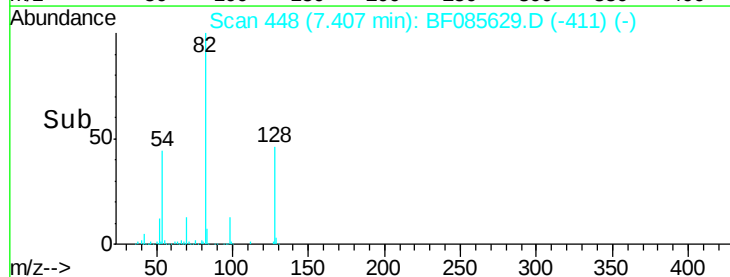
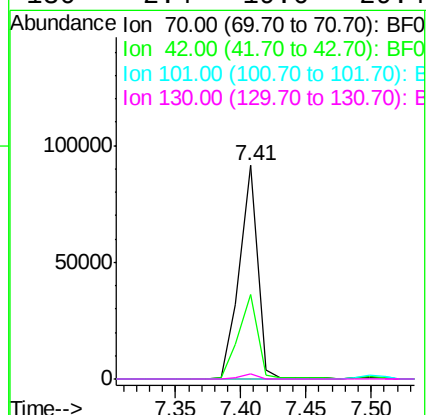
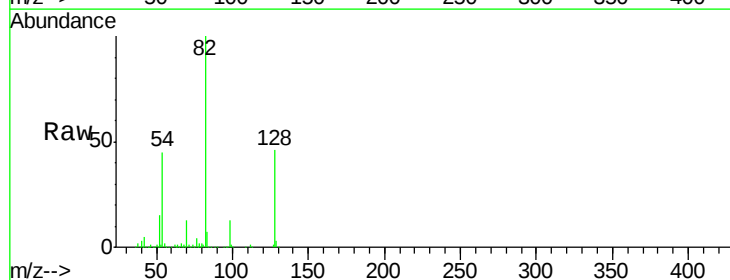
Ion Ratio Lower Upper

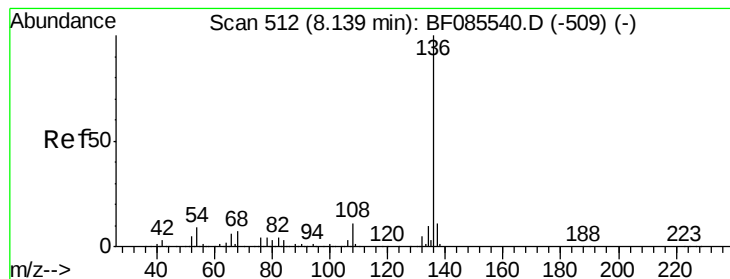
70 100

42 39.7 37.1 55.7

101 0.0 8.6 12.8#

130 2.4 19.6 29.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.13 min Scan# 511

Delta R.T. -0.01 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampleId :

SP-01

Tgt Ion:136 Resp: 581842

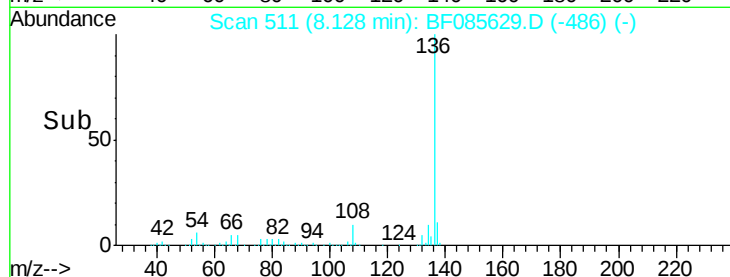
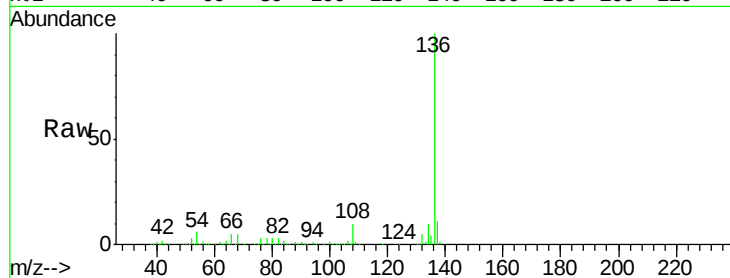
Ion Ratio Lower Upper

136 100

137 11.3 9.1 13.7

54 6.4 7.4 11.0#

68 5.5 5.8 8.8#

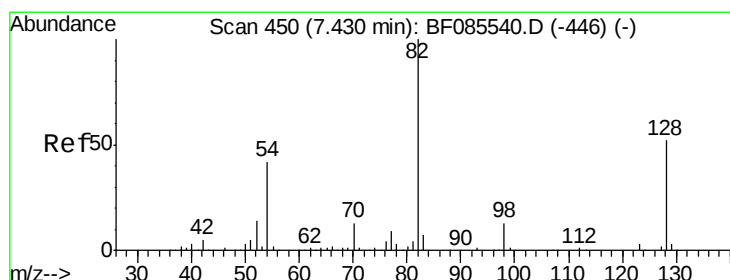
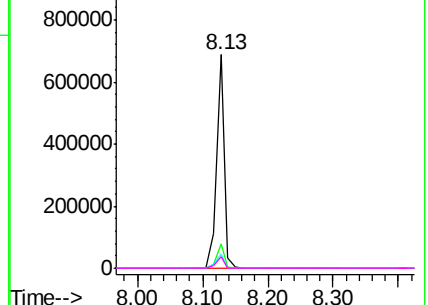


Abundance Ion 136.00 (135.70 to 136.70): E

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: 67.07 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

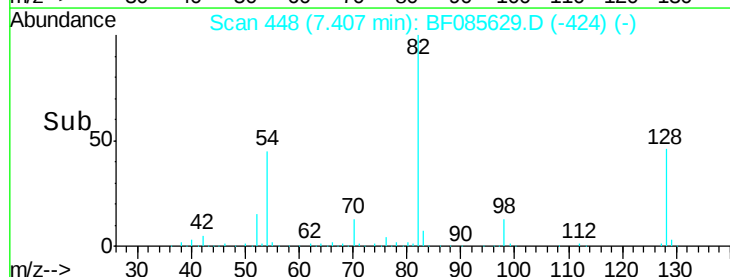
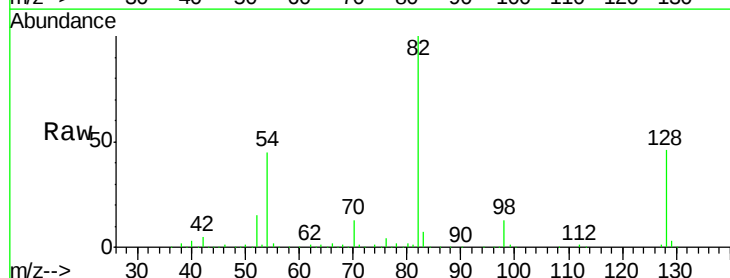
Tgt Ion: 82 Resp: 672335

Ion Ratio Lower Upper

82 100

128 45.7 41.8 62.8

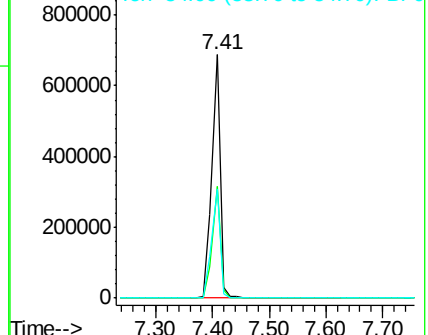
54 44.8 33.4 50.0

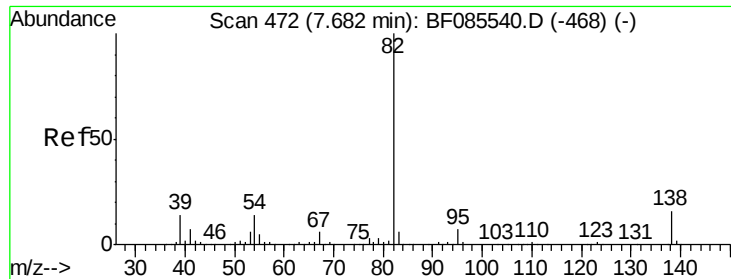


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 25.00 ng

RT: 7.41 min Scan# 448

Delta R.T. -0.27 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampled :

SP-01

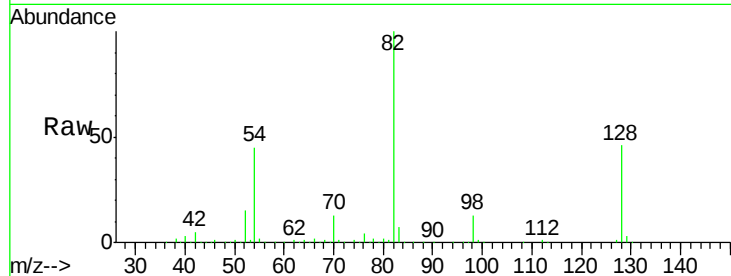
Tgt Ion: 82 Resp: 501782

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

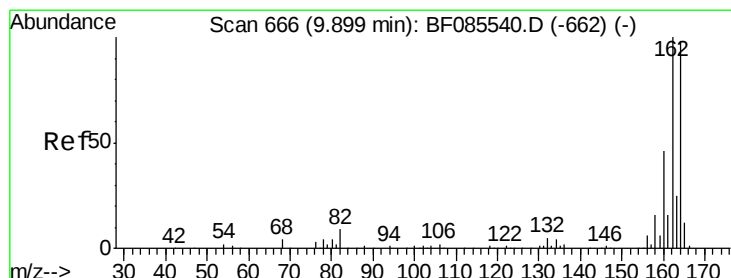
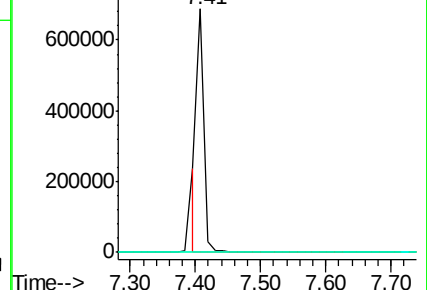
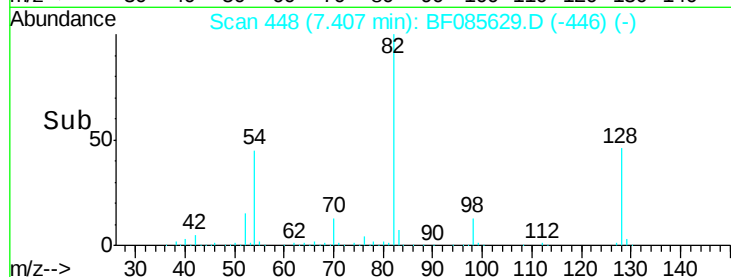
138 0.0 12.9 19.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 664

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

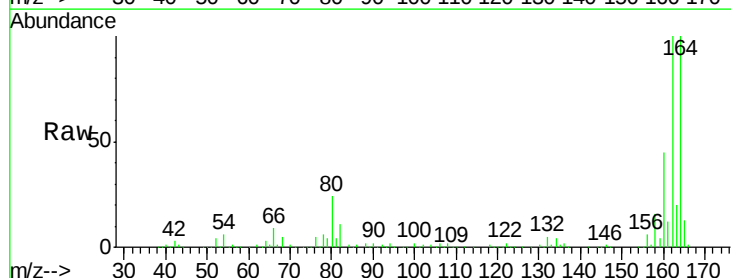
Tgt Ion: 164 Resp: 229777

Ion Ratio Lower Upper

164 100

162 100.4 82.1 123.1

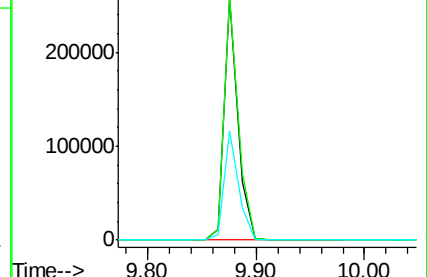
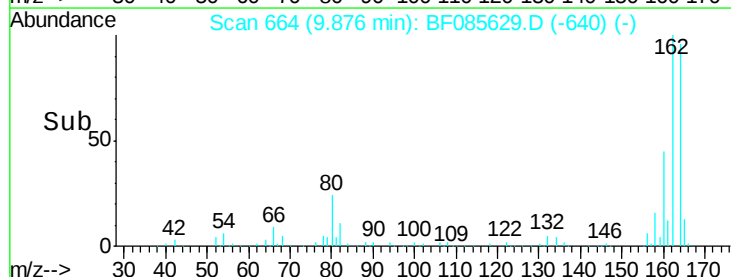
160 45.1 37.4 56.2

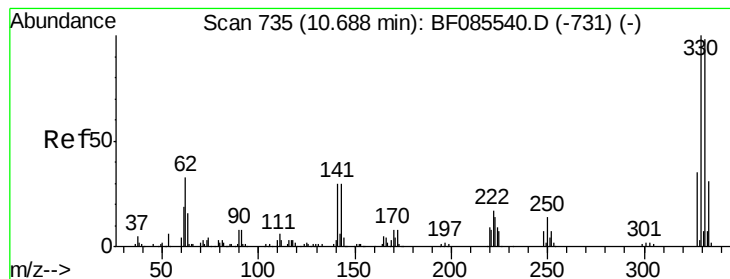


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

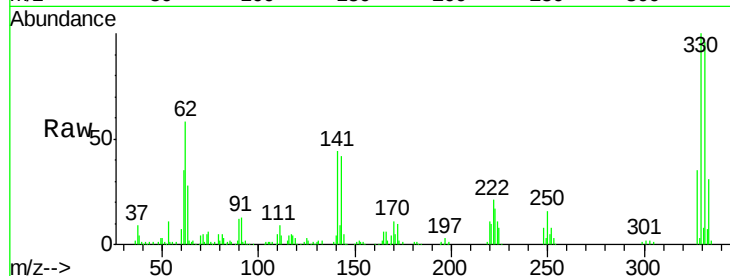




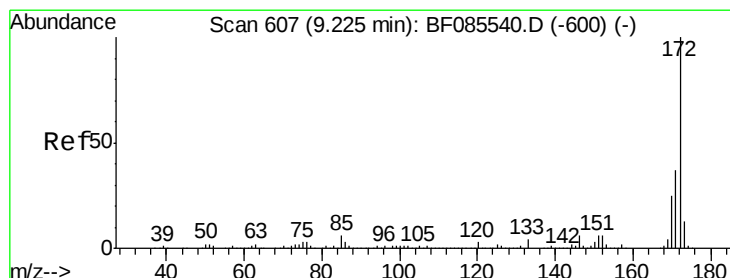
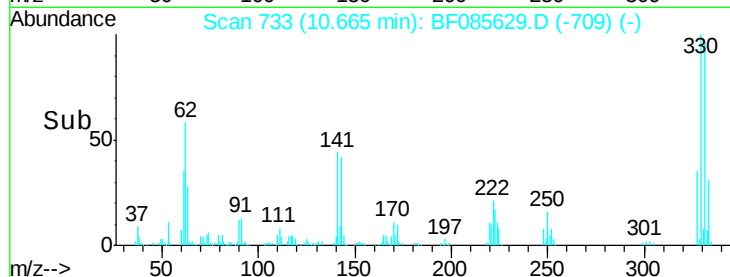
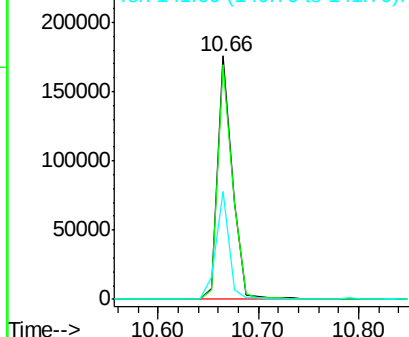
#41
 2,4,6-Tribromophenol
 Concen: 79.78 ng
 RT: 10.66 min Scan# 733
 Delta R.T. -0.02 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Instrument :
 BNA_F
 ClientSampled :
 SP-01

Tgt Ion:330 Resp: 179574
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.2 117.2
 141 40.6 31.5 47.3

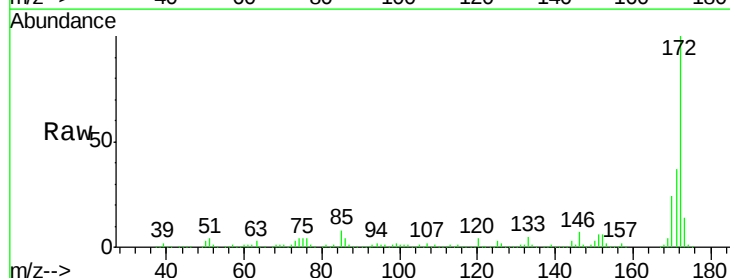


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

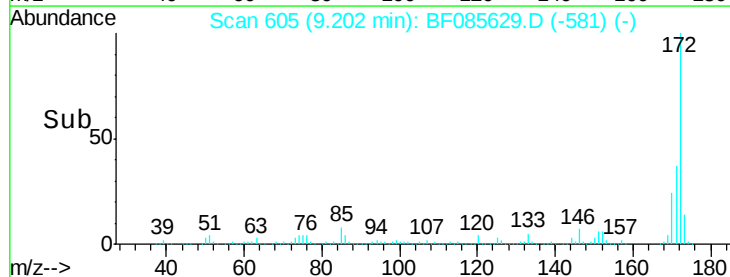
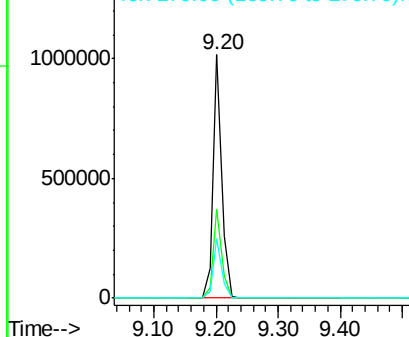


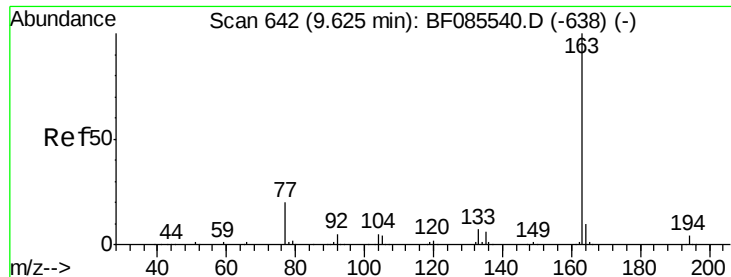
#44
 2-Fluorobiphenyl
 Concen: 69.45 ng
 RT: 9.20 min Scan# 605
 Delta R.T. -0.02 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Tgt Ion:172 Resp: 979492
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.4 44.2
 170 24.4 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

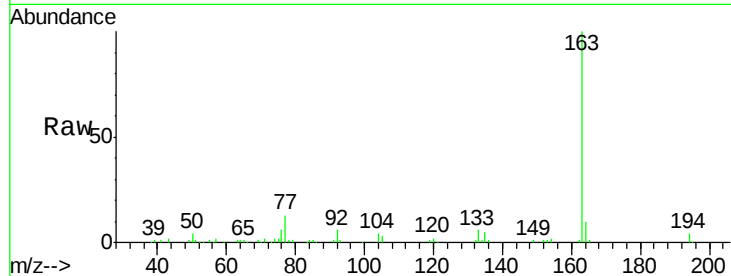




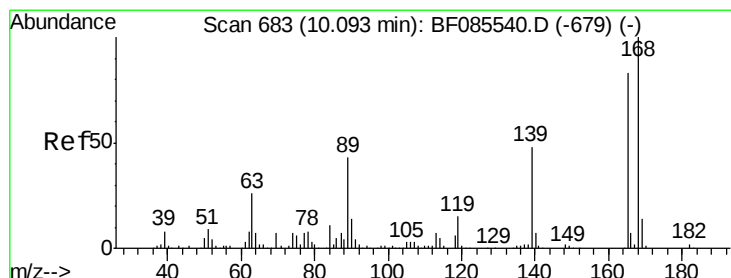
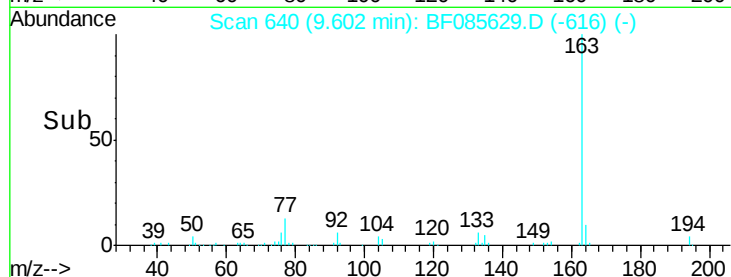
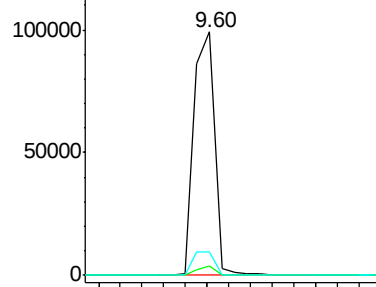
#49
Dimethylphthalate
Concen: 7.59 ng
RT: 9.60 min Scan# 640
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampleId :
SP-01

Tgt Ion:163 Resp: 131688
Ion Ratio Lower Upper
163 100
194 4.0 2.9 4.3
164 9.6 8.3 12.5

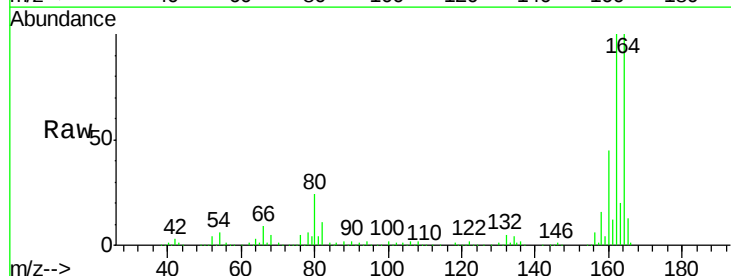


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

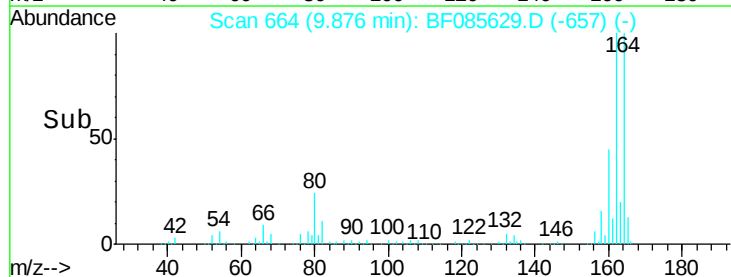
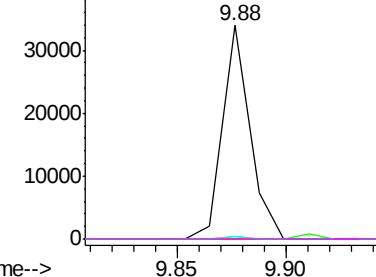


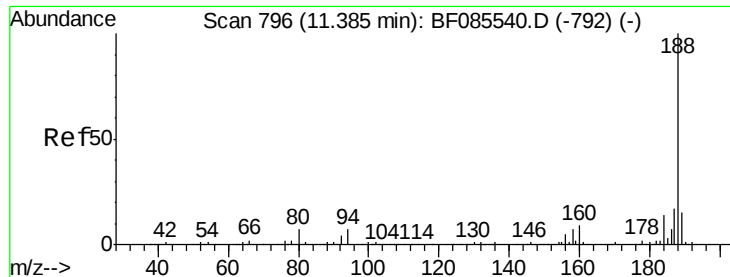
#56
2,4-Dinitrotoluene
Concen: 6.19 ng
RT: 9.88 min Scan# 664
Delta R.T. -0.22 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion:165 Resp: 29665
Ion Ratio Lower Upper
165 100
63 1.3 24.9 37.3#
89 1.4 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

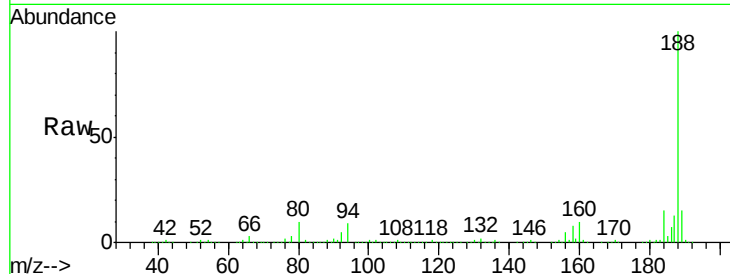




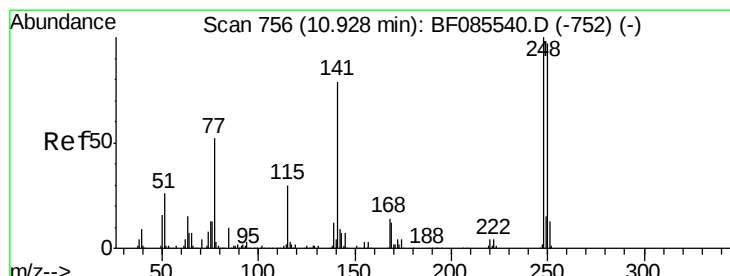
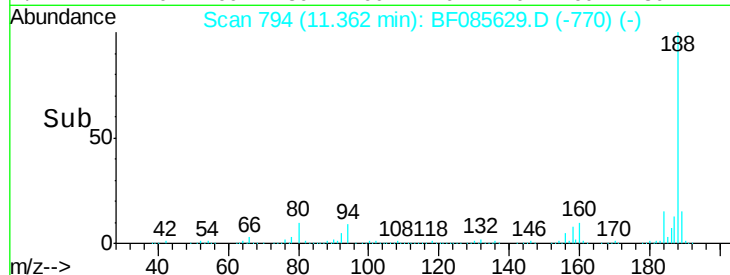
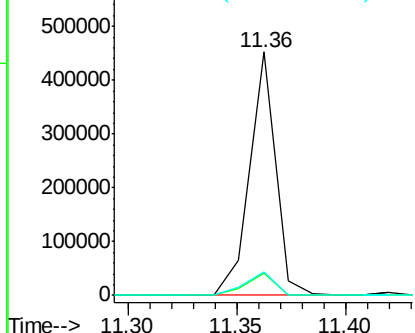
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 794
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Instrument :
BNA_F
ClientSampleId :
SP-01

Tgt Ion:188 Resp: 377179
Ion Ratio Lower Upper
188 100
94 9.2 5.4 8.0#
80 9.6 5.5 8.3#

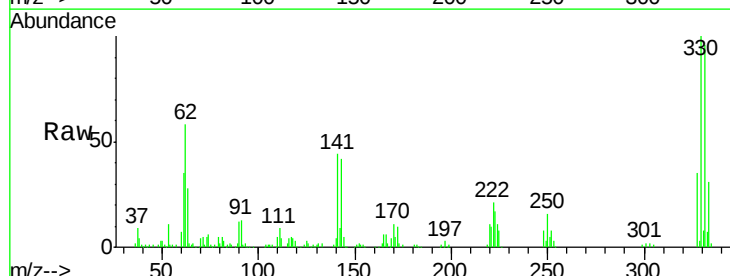


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

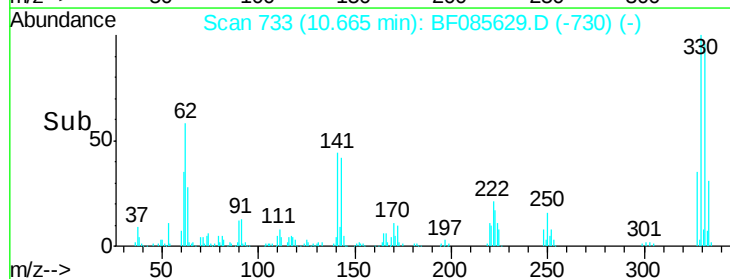
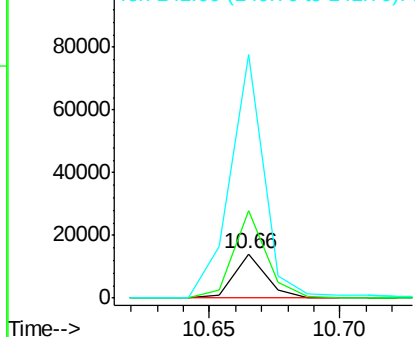


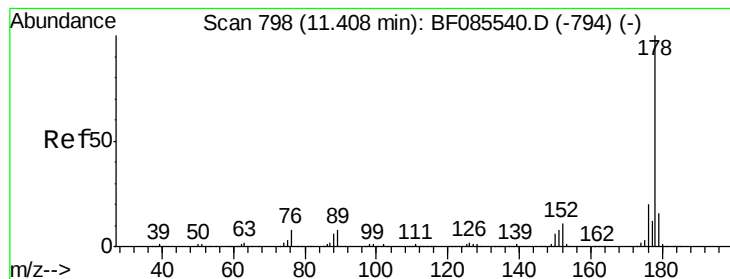
#66
4-Bromophenyl-phenylether
Concen: 3.22 ng
RT: 10.66 min Scan# 733
Delta R.T. -0.26 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion:248 Resp: 12146
Ion Ratio Lower Upper
248 100
250 196.6 77.4 116.0#
141 551.1 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





#70

Phenanthrene

Concen: 6.64 ng

RT: 11.39 min Scan# 796

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampleId :

SP-01

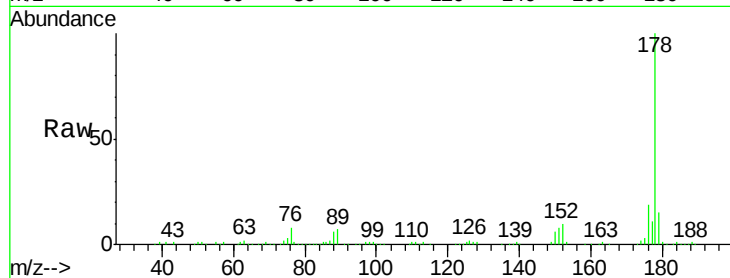
Tgt Ion:178 Resp: 132020

Ion Ratio Lower Upper

178 100

176 19.5 16.3 24.5

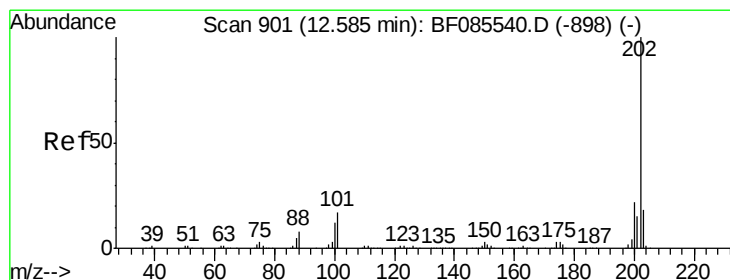
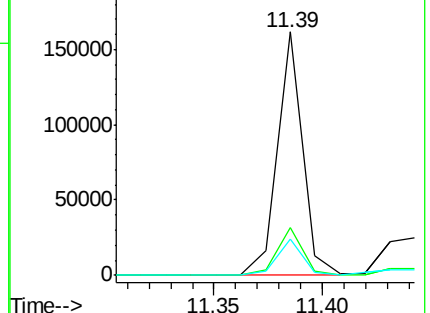
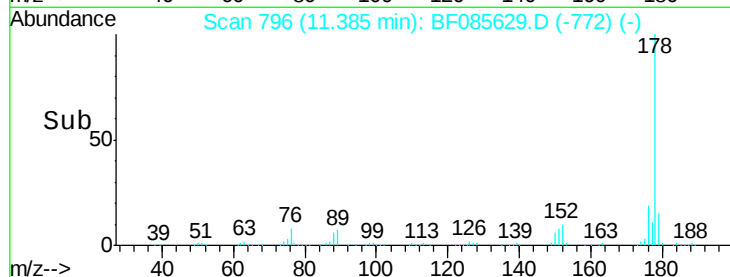
179 15.0 12.6 18.8



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



#74

Fluoranthene

Concen: 10.69 ng

RT: 12.57 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

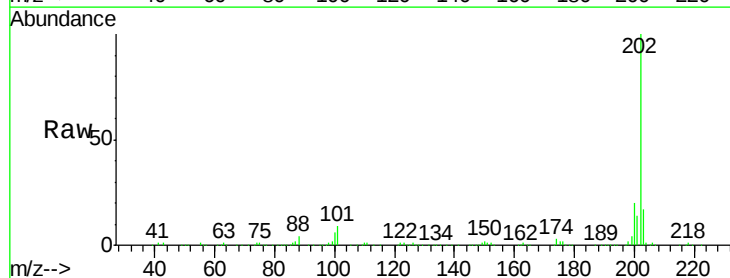
Tgt Ion:202 Resp: 222589

Ion Ratio Lower Upper

202 100

101 9.0 0.0 36.6

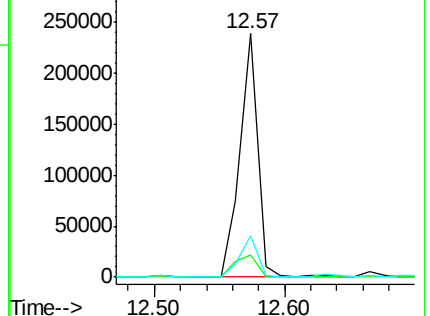
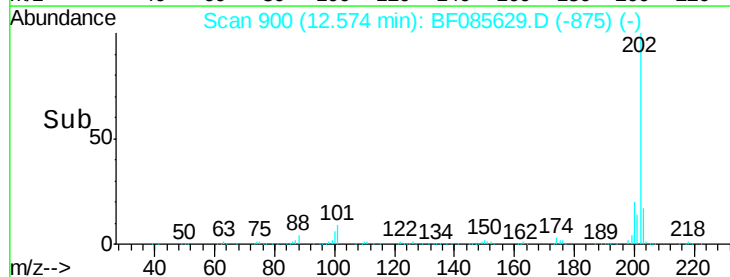
203 17.0 0.0 38.1

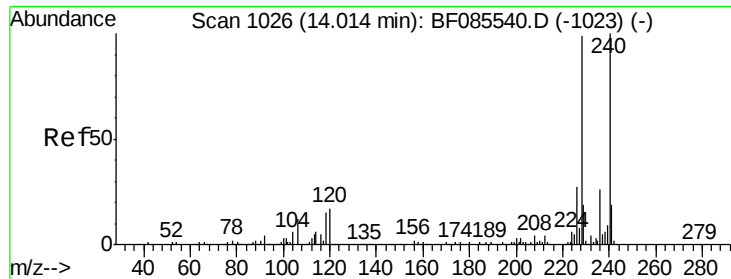


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.99 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampled :

SP-01

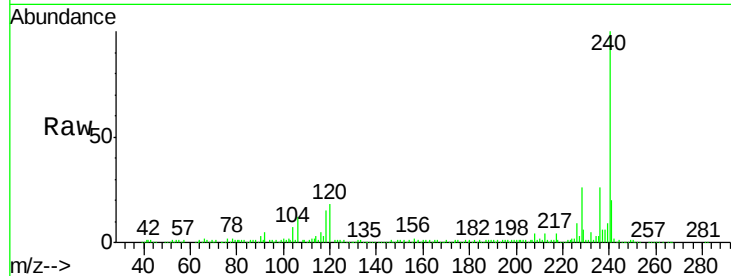
Tgt Ion:240 Resp: 276427

Ion Ratio Lower Upper

240 100

120 17.6 13.8 20.8

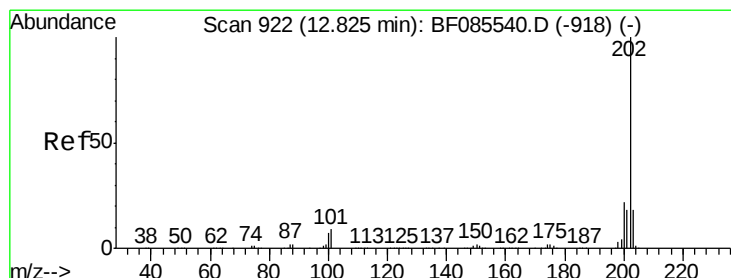
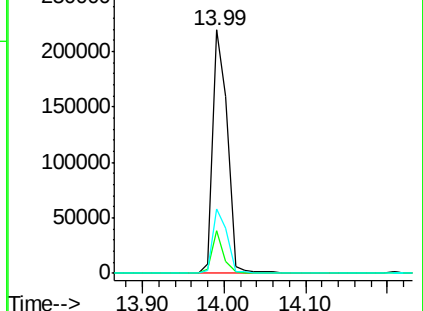
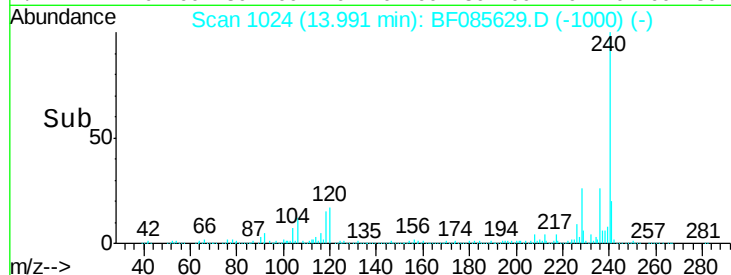
236 26.3 20.6 30.8



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



#77

Pyrene

Concen: 9.39 ng

RT: 12.80 min Scan# 920

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

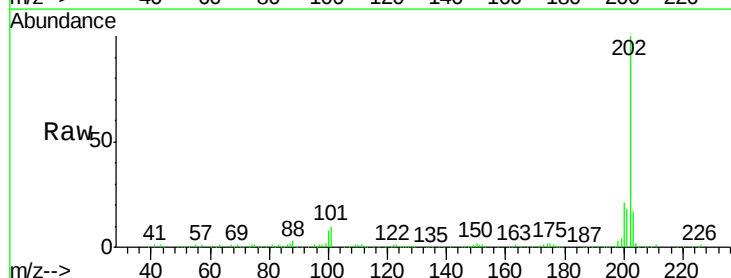
Tgt Ion:202 Resp: 186355

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

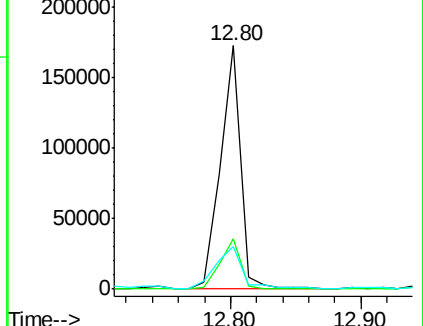
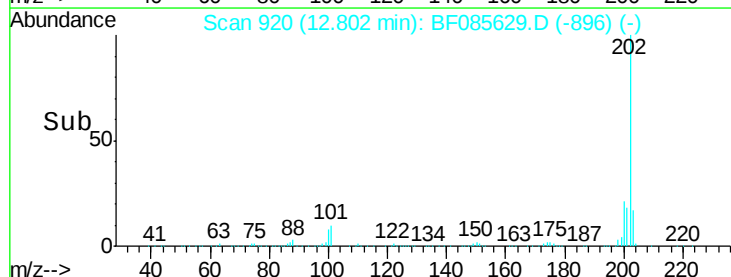
203 17.4 14.0 21.0

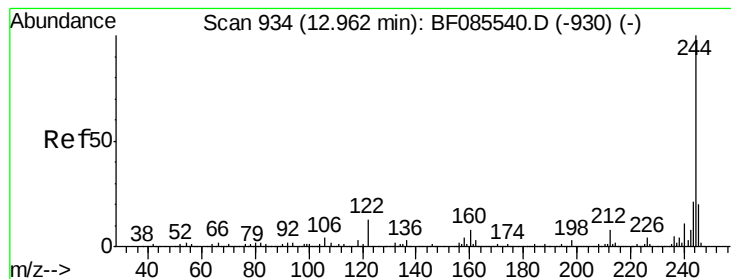


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 67.87 ng

RT: 12.95 min Scan# 933

Delta R.T. -0.01 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampleId :

SP-01

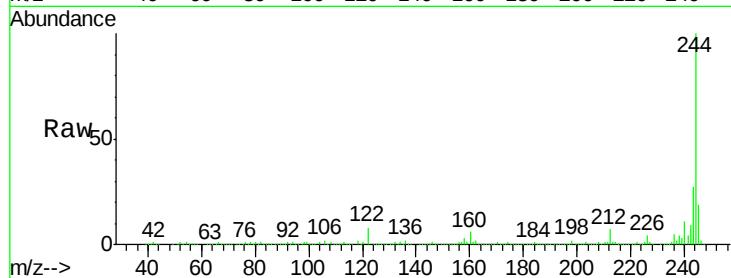
Tgt Ion:244 Resp: 779686

Ion Ratio Lower Upper

244 100

212 6.7 6.1 9.1

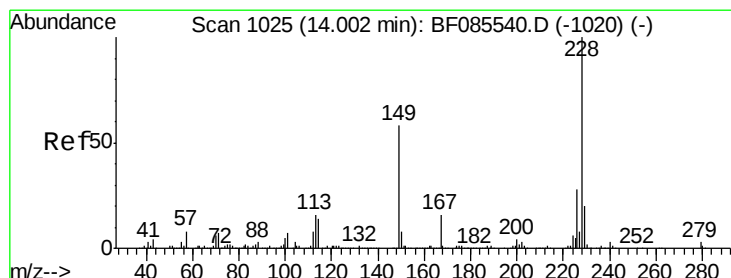
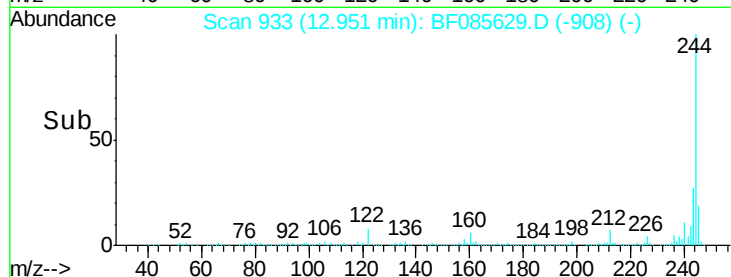
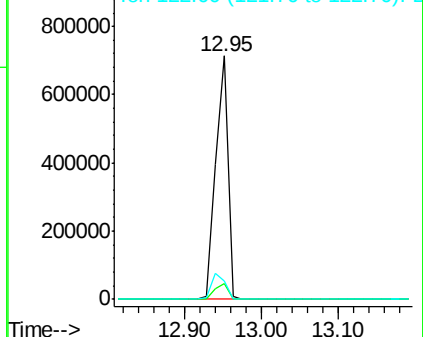
122 7.7 10.2 15.4#



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



#80

Benzo(a)anthracene

Concen: 6.46 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.02 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

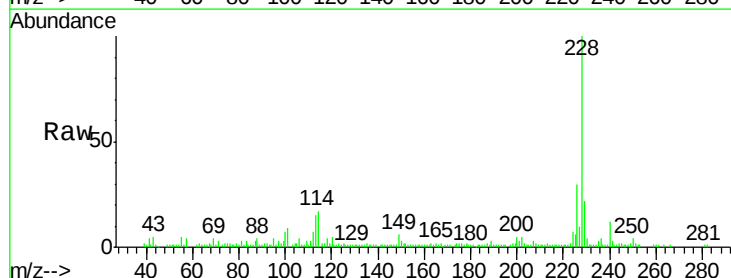
Tgt Ion:228 Resp: 103642

Ion Ratio Lower Upper

228 100

226 30.4 22.1 33.1

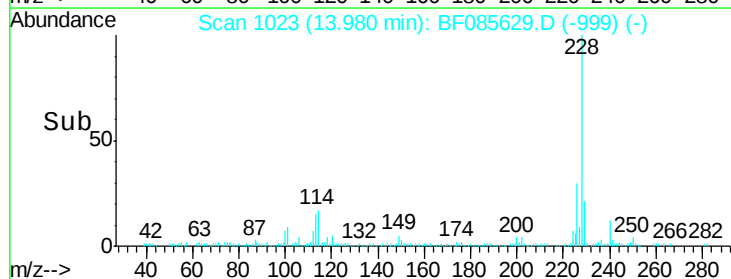
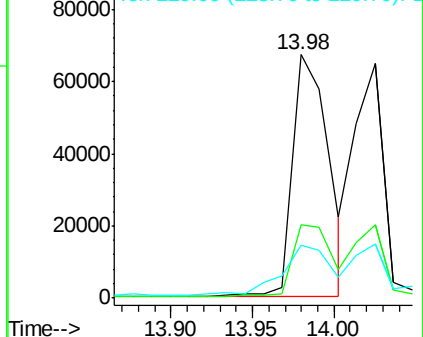
229 21.9 16.2 24.4

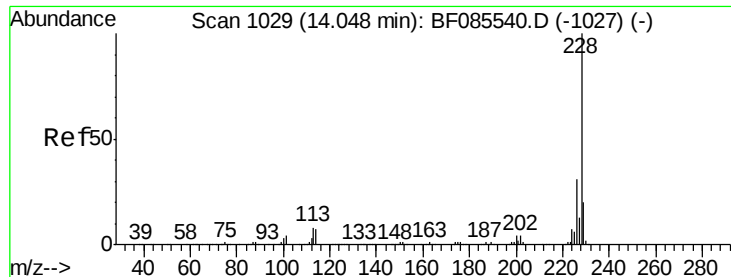


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 6.71 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.07 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

Instrument :

BNA_F

ClientSampleId :

SP-01

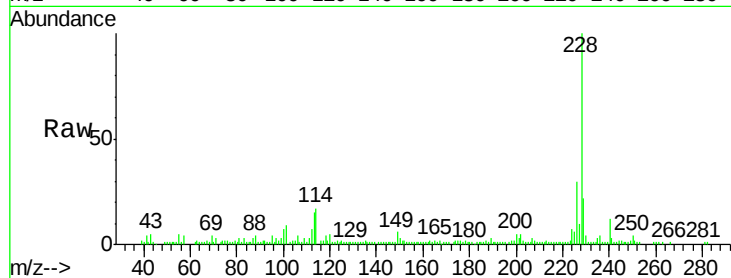
Tgt Ion:228 Resp: 103642

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

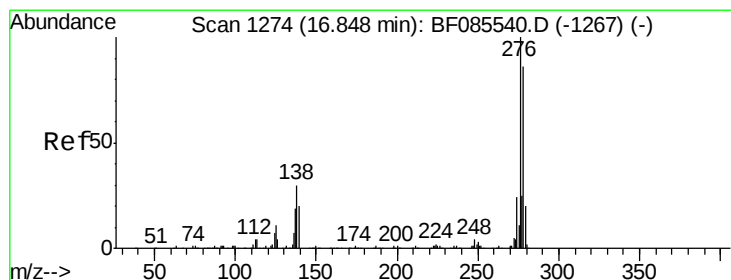
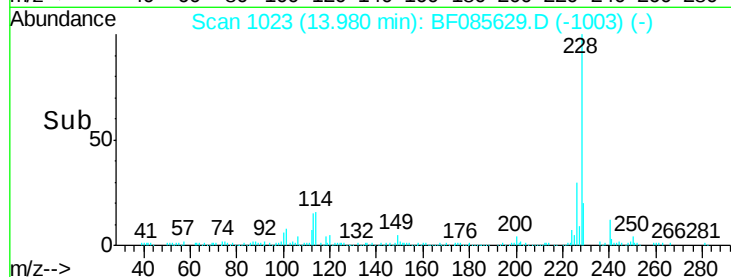
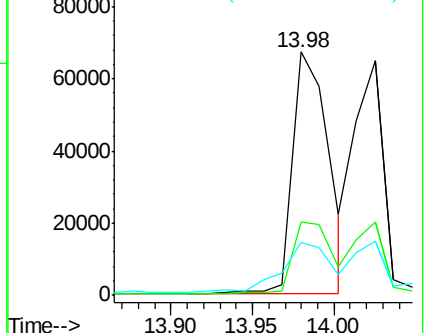
229 21.9 15.7 23.5



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: 4.43 ng

RT: 16.81 min Scan# 1271

Delta R.T. -0.03 min

Lab File: BF085629.D

Acq: 21 Mar 2016 18:34

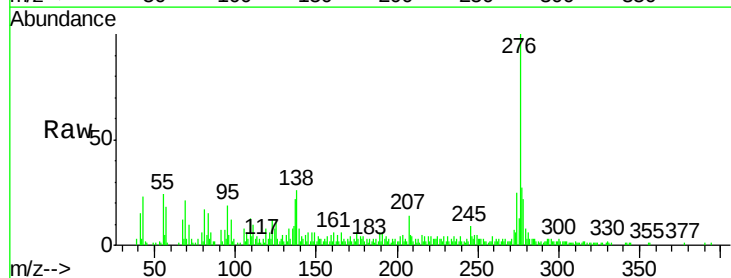
Tgt Ion:276 Resp: 57099

Ion Ratio Lower Upper

276 100

138 27.4 24.2 36.4

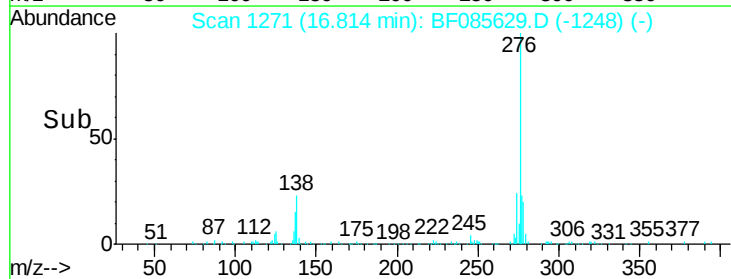
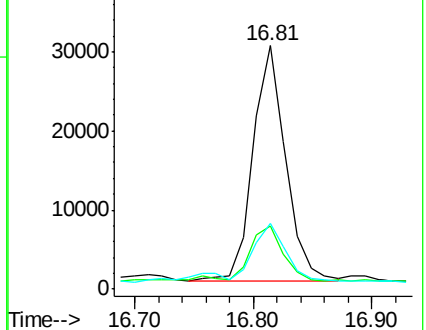
277 23.6 20.0 30.0

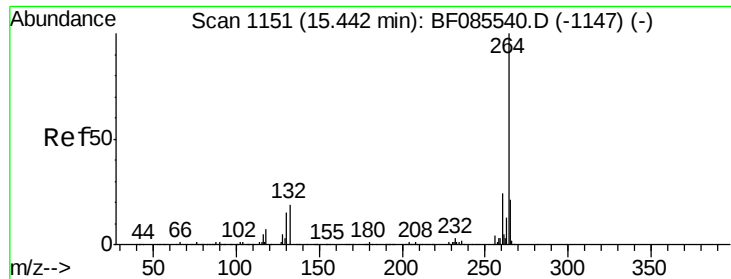


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

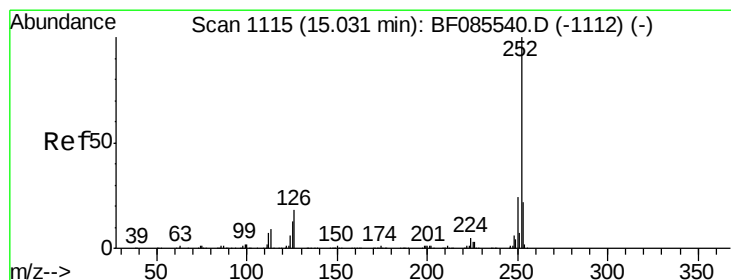
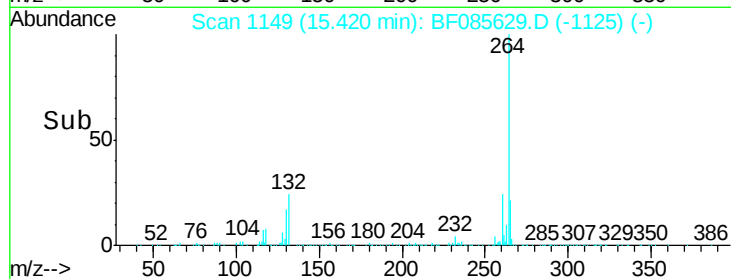
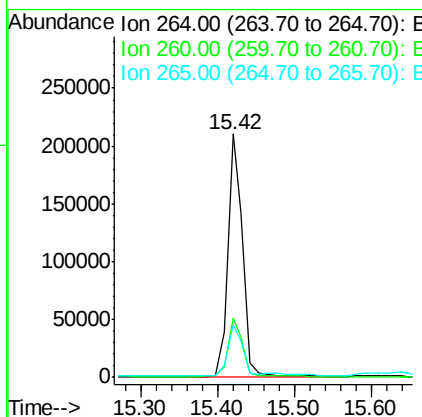
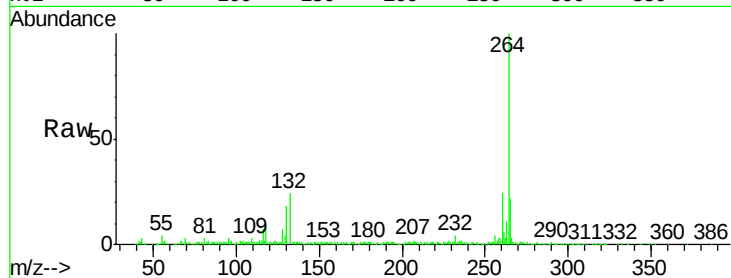




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1149
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

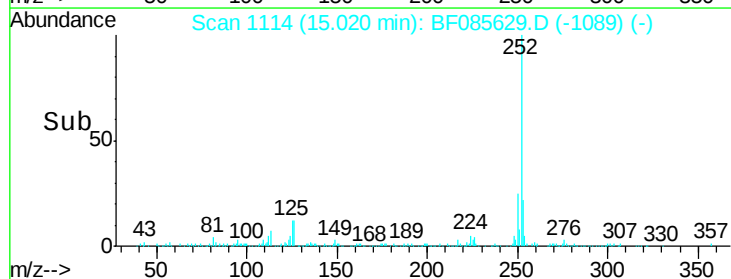
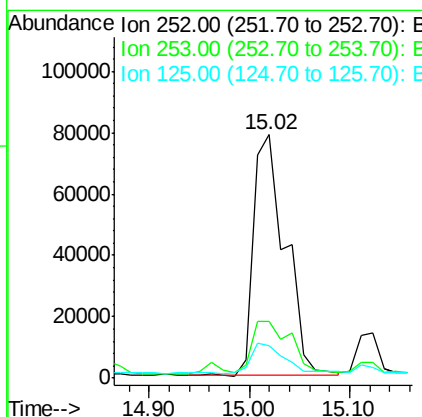
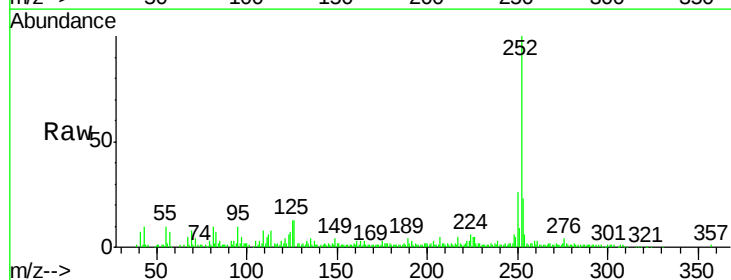
Instrument :
BNA_F
ClientSampled :
SP-01

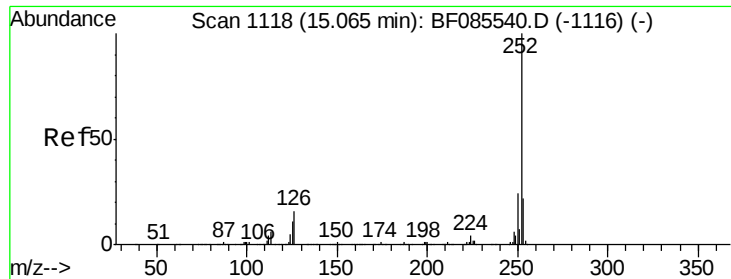
Tgt Ion:264 Resp: 283891
Ion Ratio Lower Upper
264 100
260 24.5 19.4 29.2
265 21.8 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 9.28 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.01 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion:252 Resp: 171885
Ion Ratio Lower Upper
252 100
253 23.5 17.6 26.4
125 13.4 10.3 15.5

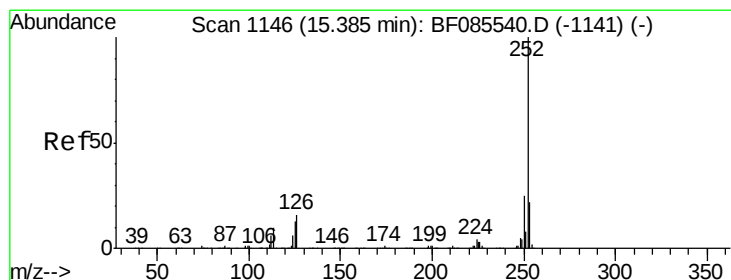
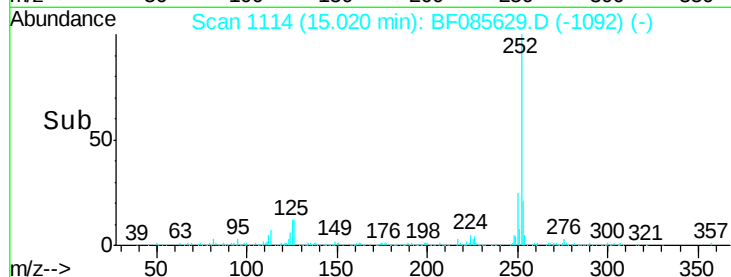
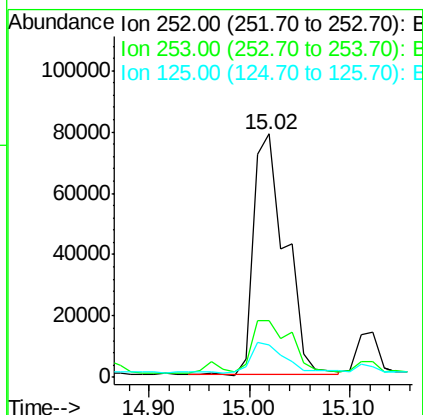
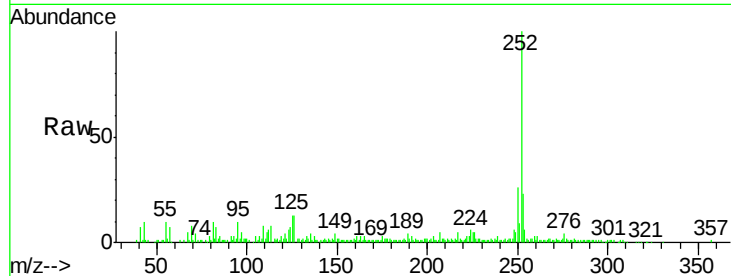




#88
Benzo(k)fluoranthene
Concen: 11.26 ng
RT: 15.02 min Scan# 1114
Delta R.T. -0.05 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

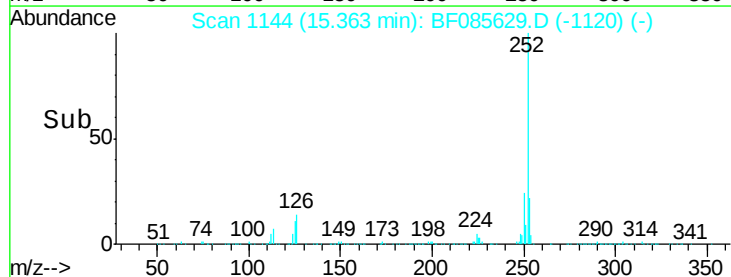
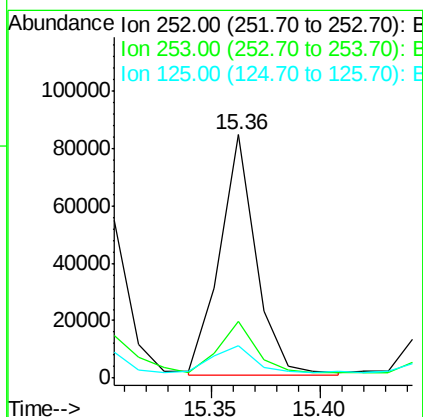
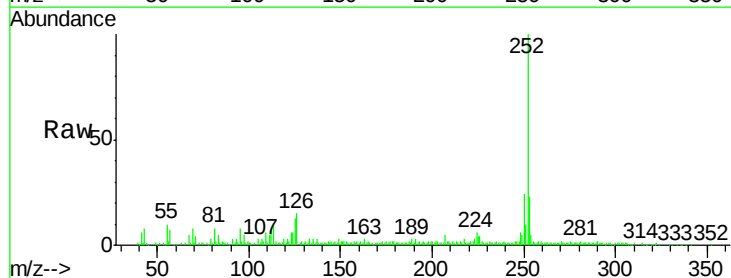
Instrument :
BNA_F
ClientSampleId :
SP-01

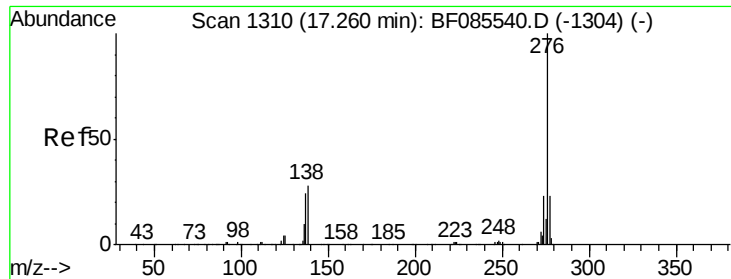
Tgt Ion:252 Resp: 171885
Ion Ratio Lower Upper
252 100
253 23.5 17.8 26.6
125 13.4 7.7 11.5#



#89
Benzo(a)pyrene
Concen: 6.18 ng
RT: 15.36 min Scan# 1144
Delta R.T. -0.02 min
Lab File: BF085629.D
Acq: 21 Mar 2016 18:34

Tgt Ion:252 Resp: 97080
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 13.2 10.3 15.5

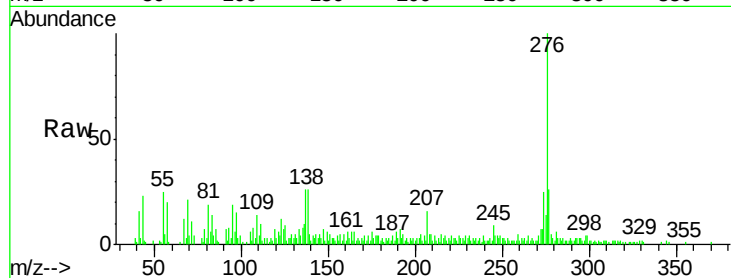




#91
 Benzo(g,h,i)perylene
 Concen: 4.57 ng
 RT: 17.24 min Scan# 1308
 Delta R.T. -0.02 min
 Lab File: BF085629.D
 Acq: 21 Mar 2016 18:34

Instrument :
 BNA_F
 ClientSampleId :
 SP-01

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	26.3	22.6	34.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

