

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102615\
 Data File : BF082532.D
 Acq On : 27 Oct 2015 5:35
 Operator : UM/IZ
 Sample : G4116-07RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE-14-01(0-2)

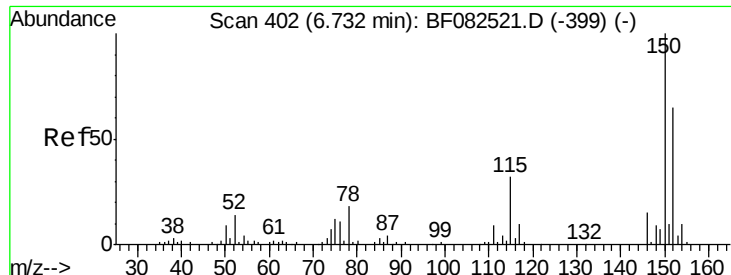
Quant Time: Oct 27 06:25:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 27 02:43:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	103922	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	386646	20.00	ng	-0.01
38) Acenaphthene-d10	9.77	164	192929	20.00	ng	0.00
63) Phenanthrene-d10	11.26	188	311374	20.00	ng	0.00
75) Chrysene-d12	13.91	240	233395	20.00	ng	0.00
86) Perylene-d12	15.35	264	205309	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	843664	160.26	ng	0.01
7) Phenol-d6	6.40	99	1136118	165.59	ng	0.02
23) Nitrobenzene-d5	7.30	82	624665	104.23	ng	0.00
41) 2,4,6-Tribromophenol	10.57	330	216776	150.05	ng	0.00
44) 2-Fluorobiphenyl	9.10	172	1133292	93.41	ng	0.00
78) Terphenyl-d14	12.85	244	816424	100.78	ng	0.00

Target Compounds				Qvalue		
9) Benzaldehyde	6.39	77	1615	Below Cal	#	3
15) Benzyl Alcohol	6.88	79	10878	2.28	ng	54
19) n-Nitroso-di-n-propylamine	7.30	70	83504	18.68	ng	80
25) Isophorone	7.30	82	624656	52.46	ng	64
49) Dimethylphthalate	9.50	163	302186	22.51	ng	99
55) 4-Nitrophenol	9.98	139	1353	7.43	ng	11
56) 2,4-Dinitrotoluene	9.77	165	25004	7.00	ng	10
66) 4-Bromophenyl-phenylether	10.56	248	15814	5.41	ng	1
70) Phenanthrene	11.28	178	66374	4.14	ng	97
74) Fluoranthene	12.47	202	99416	6.04	ng	95
77) Pyrene	12.70	202	82258	5.73	ng	99
79) Butylbenzylphthalate	13.32	149	66092	10.95	ng	98
80) Benzo(a)anthracene	13.90	228	53045	4.24	ng	98
82) Chrysene	13.90	228	53045	4.49	ng	94
87) Benzo(b)fluoranthene	14.95	252	70679	5.80	ng	# 86
88) Benzo(k)fluoranthene	14.95	252	70679	7.11	ng	# 88
89) Benzo(a)pyrene	15.29	252	33483	3.17	ng	# 88
91) Benzo(g,h,i)perylene	17.14	276	18795	2.15	ng	# 87

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.73 min Scan# 402

Delta R.T. -0.00 min

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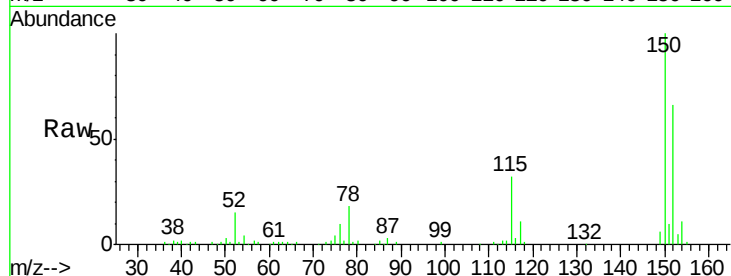
Tgt Ion:152 Resp: 103922

Ion Ratio Lower Upper

152 100

150 152.5 123.4 185.0

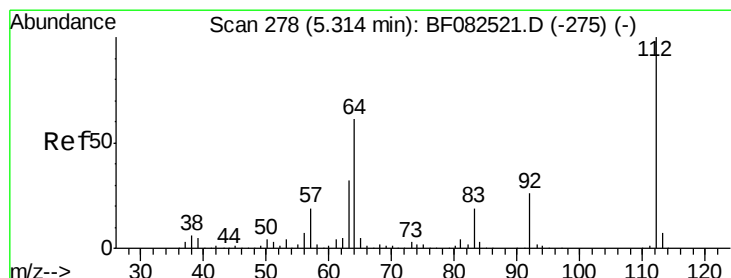
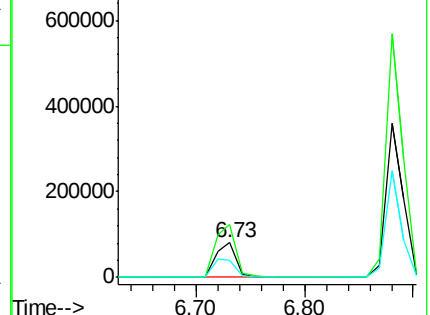
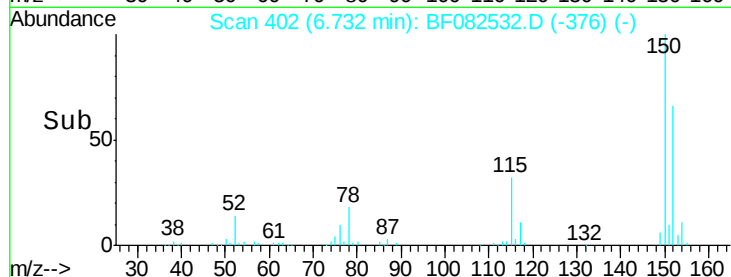
115 49.2 39.0 58.4



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: 160.26 ng

RT: 5.33 min Scan# 279

Delta R.T. 0.01 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

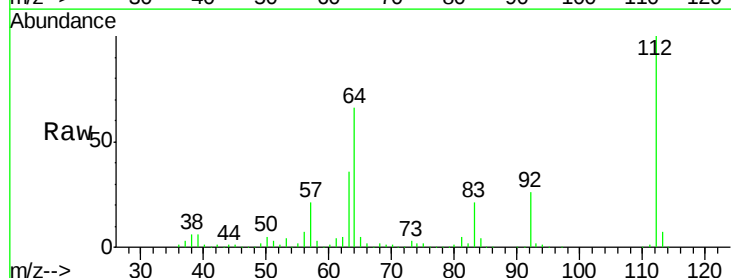
Tgt Ion:112 Resp: 843664

Ion Ratio Lower Upper

112 100

64 66.0 49.0 73.4

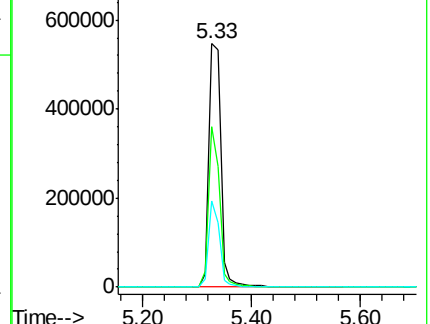
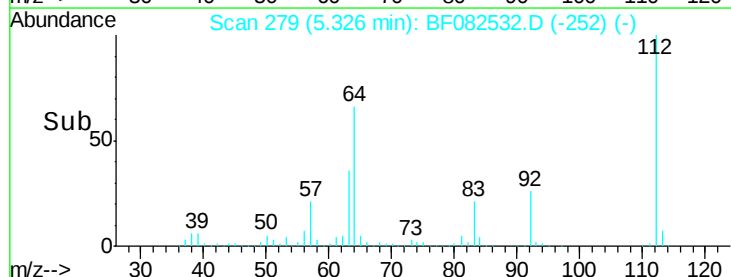
63 35.6 25.8 38.6

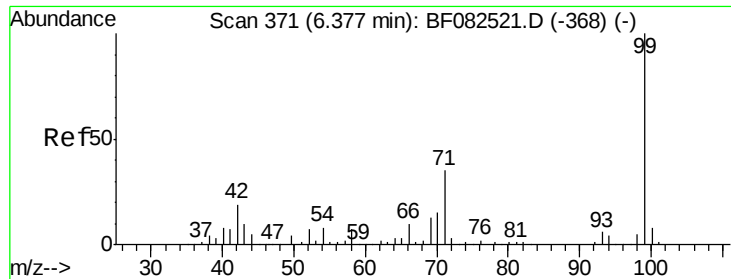


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 165.59 ng

RT: 6.40 min Scan# 373

Delta R.T. 0.02 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Instrument :

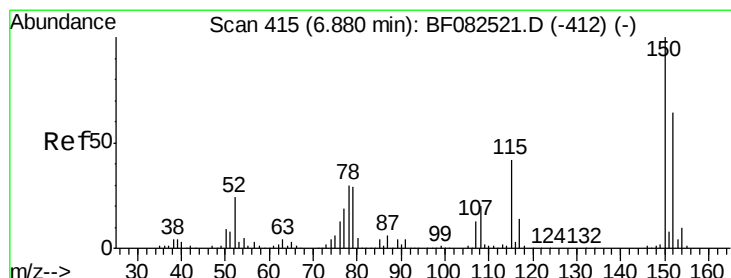
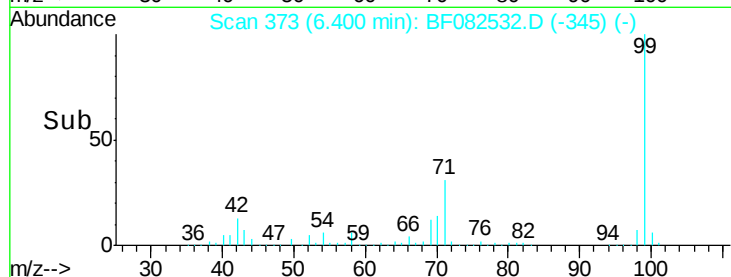
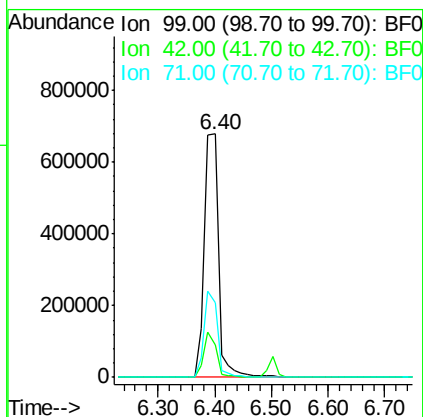
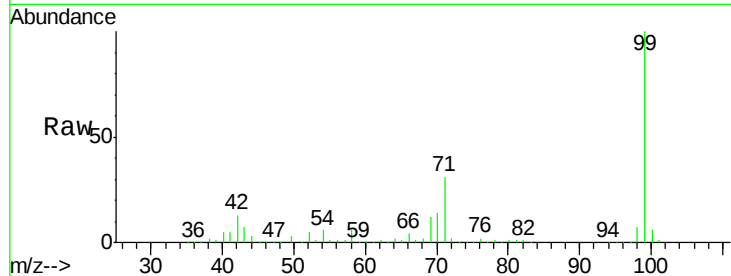
BNA_F

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BRIDGE-14-01(0-2)

Tgt Ion: 99 Resp: 1136118

Ion	Ratio	Lower	Upper
99	100		
42	13.4	15.1	22.7#
71	30.6	28.2	42.2



#15

Benzyl Alcohol

Concen: 2.28 ng

RT: 6.88 min Scan# 415

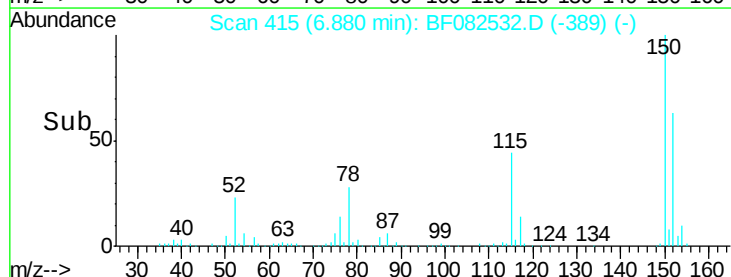
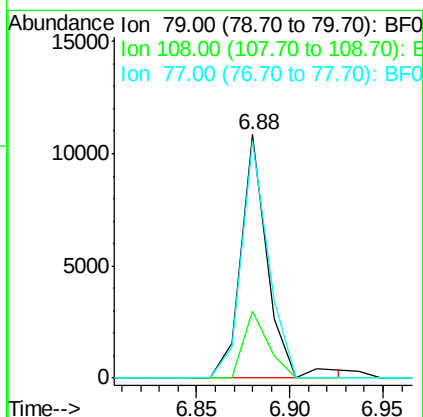
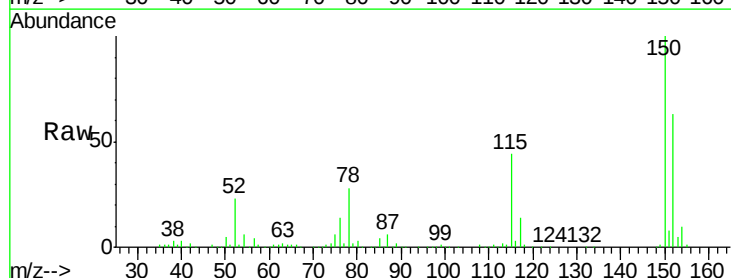
Delta R.T. -0.00 min

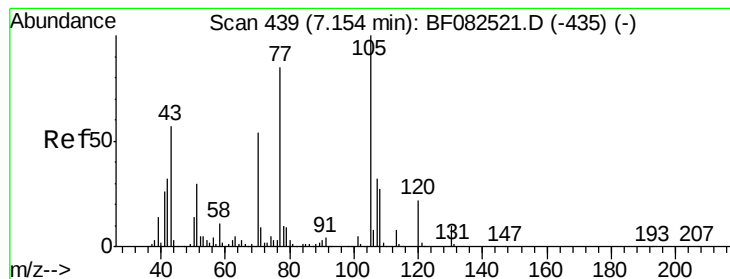
Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Tgt Ion: 79 Resp: 10878

Ion	Ratio	Lower	Upper
79	100		
108	27.6	55.0	82.6#
77	97.6	52.5	78.7#





#19

n-Nitroso-di-n-propylamine

Concen: 18.68 ng

RT: 7.30 min Scan# 452

Delta R.T. 0.15 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

Tgt Ion: 70 Resp: 83504

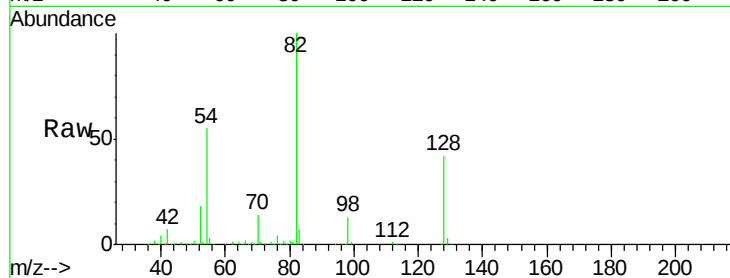
Ion Ratio Lower Upper

70 100

42 47.9 46.9 70.3

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

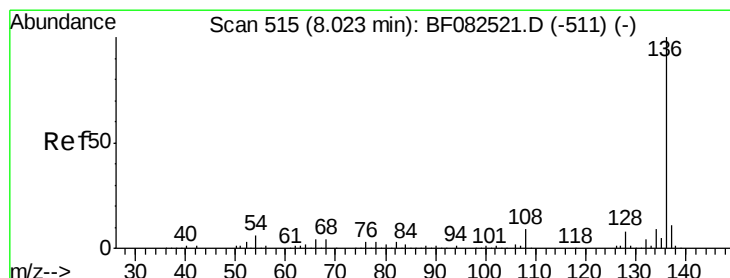
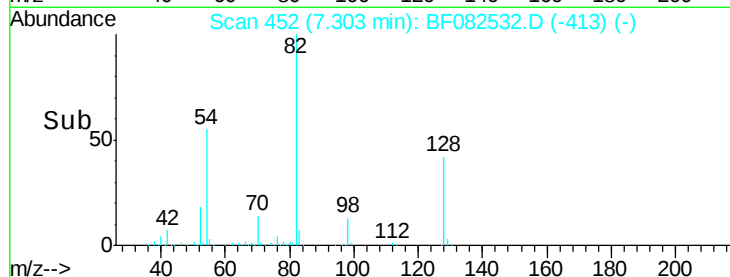
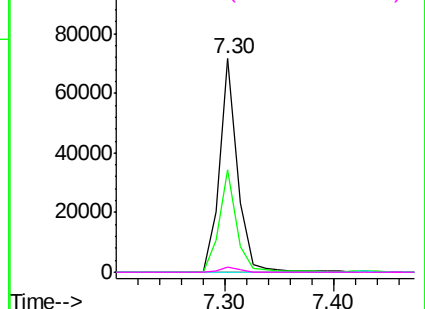


Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.01 min Scan# 514

Delta R.T. -0.01 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Tgt Ion: 136 Resp: 386646

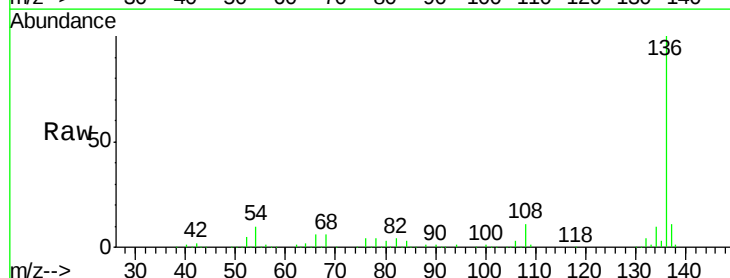
Ion Ratio Lower Upper

136 100

137 10.9 8.6 13.0

54 9.9 4.6 7.0#

68 6.1 3.2 4.8#

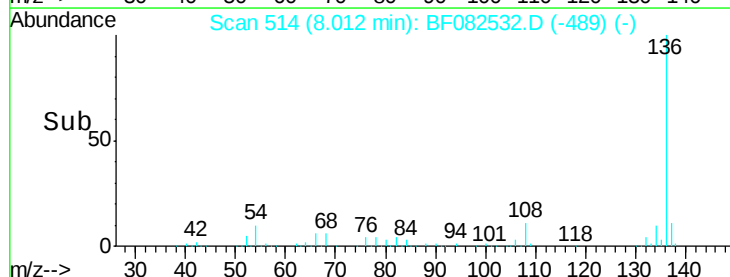
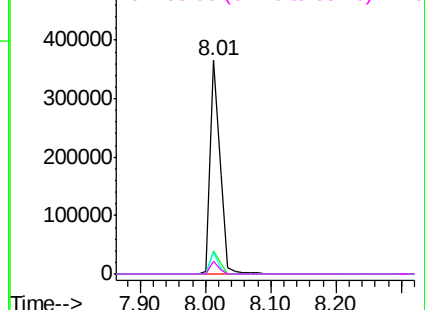


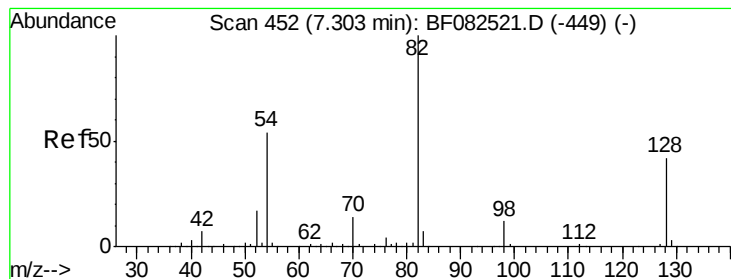
Abundance Ion 136.00 (135.70 to 136.70): E

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: 104.23 ng

RT: 7.30 min Scan# 452

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

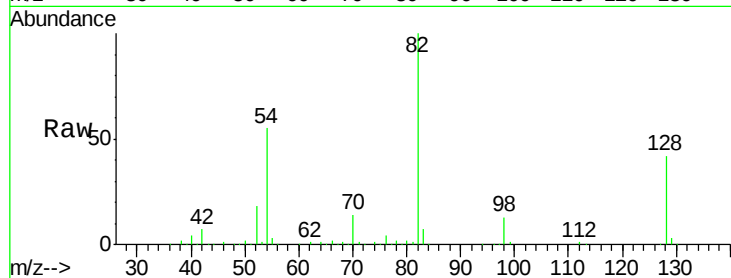
Tgt Ion: 82 Resp: 624665

Ion Ratio Lower Upper

82 100

128 42.3 33.4 50.0

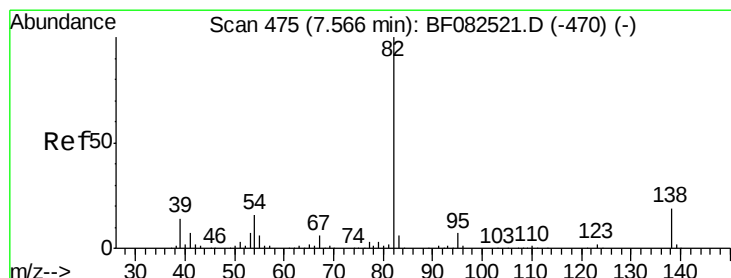
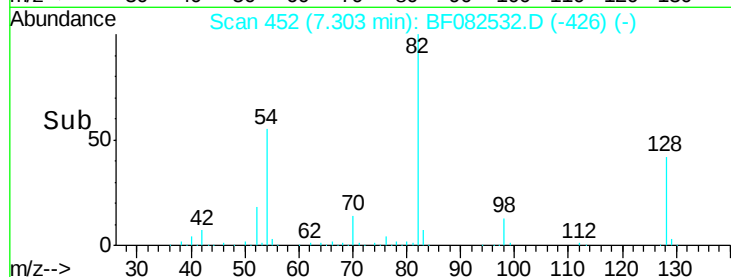
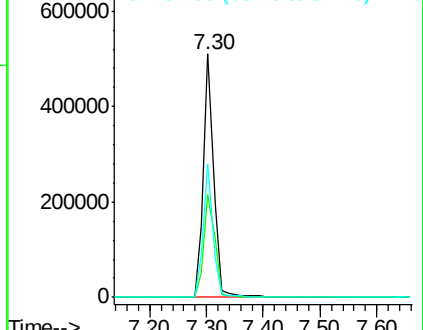
54 54.7 43.5 65.3



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#25

Isophorone

Concen: 52.46 ng

RT: 7.30 min Scan# 452

Delta R.T. -0.26 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

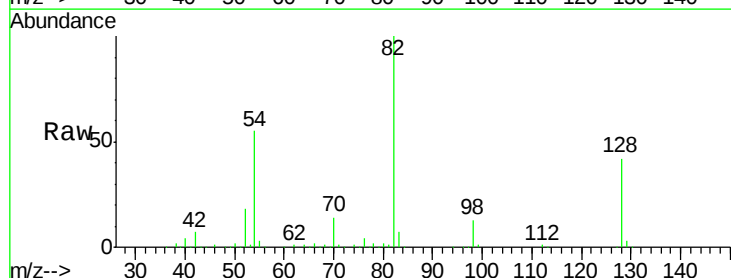
Tgt Ion: 82 Resp: 624656

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

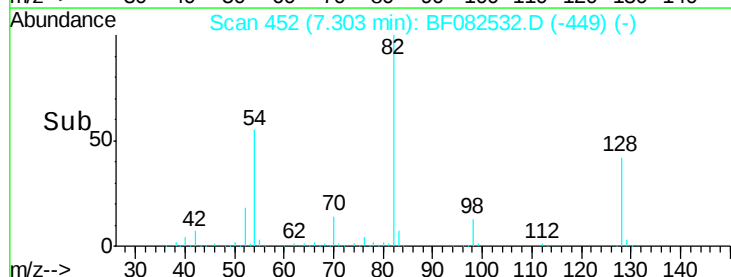
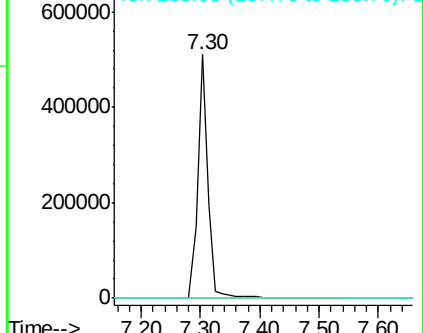
138 0.0 15.0 22.4#

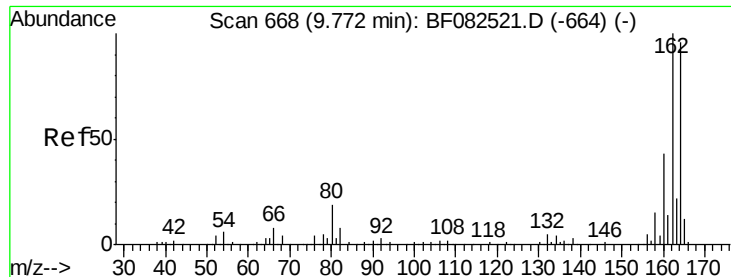


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0

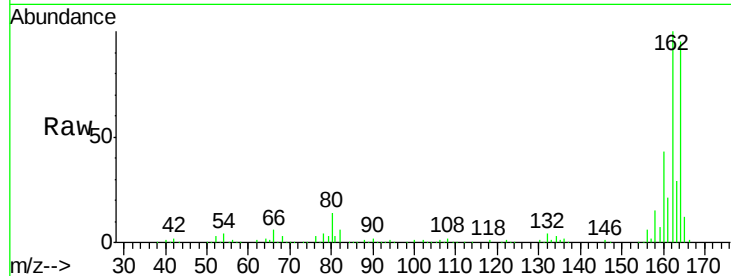




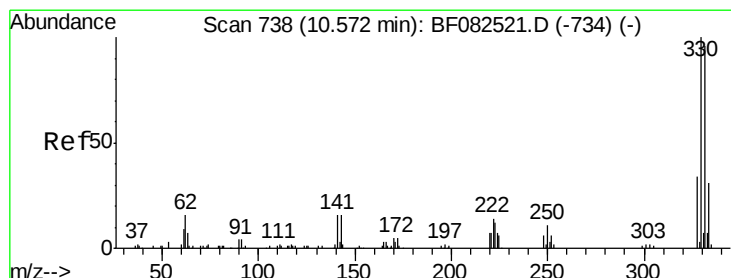
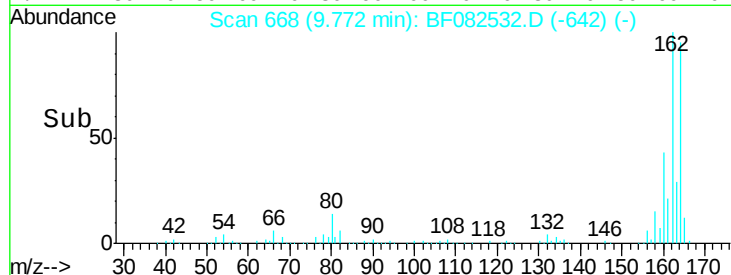
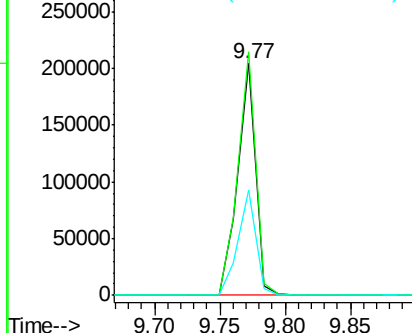
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.77 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BF082532.D
 Acq: 27 Oct 2015 5:35

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 ClientSampleId :
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Tgt Ion:164 Resp: 192929
 Ion Ratio Lower Upper
 164 100
 162 105.0 83.6 125.4
 160 45.6 36.0 54.0

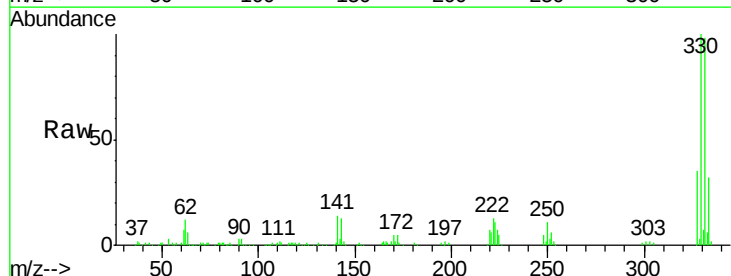


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

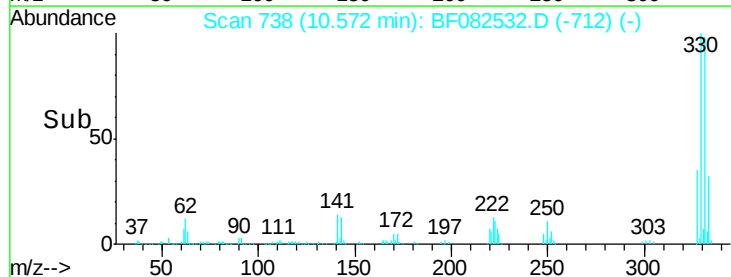
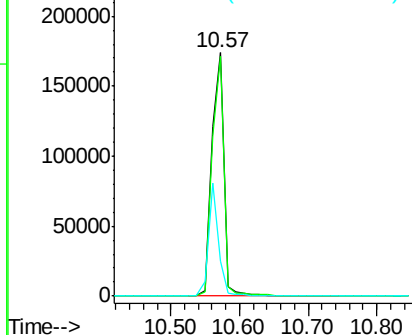


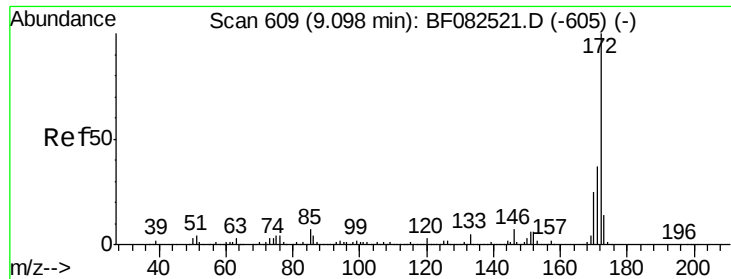
#41
 2,4,6-Tribromophenol
 Concen: 150.05 ng
 RT: 10.57 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF082532.D
 Acq: 27 Oct 2015 5:35

Tgt Ion:330 Resp: 216776
 Ion Ratio Lower Upper
 330 100
 332 96.8 77.4 116.0
 141 38.7 32.5 48.7



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

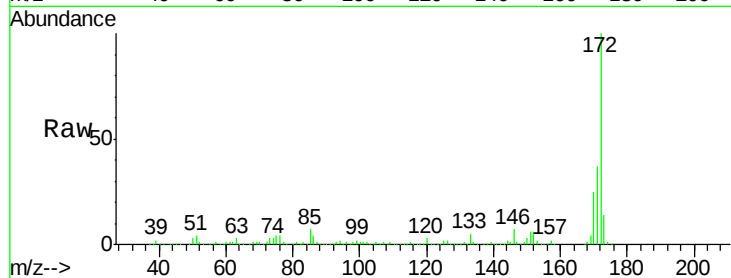




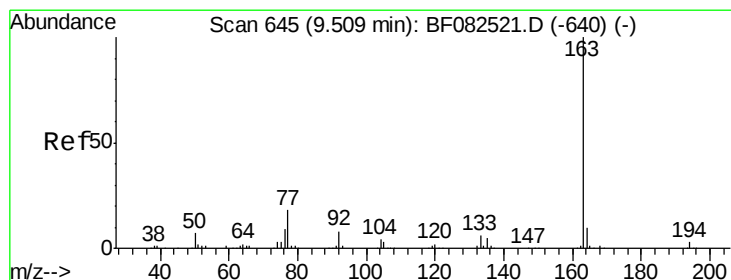
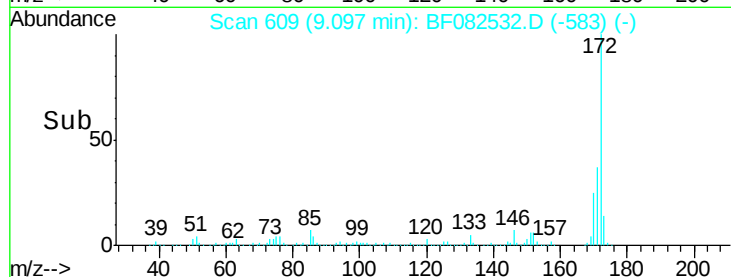
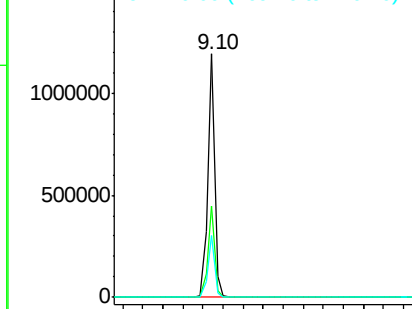
#44
 2-Fluorobiphenyl
 Concen: 93.41 ng
 RT: 9.10 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: BF082532.D
 Acq: 27 Oct 2015 5:35

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE-14-01(0-2)

Tgt Ion:172 Resp: 1133292
 Ion Ratio Lower Upper
 172 100
 171 37.3 29.3 43.9
 170 25.3 19.8 29.6

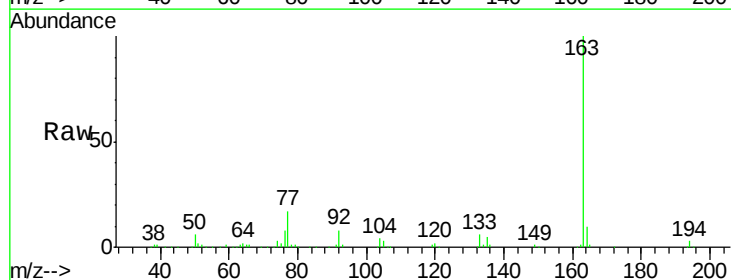


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

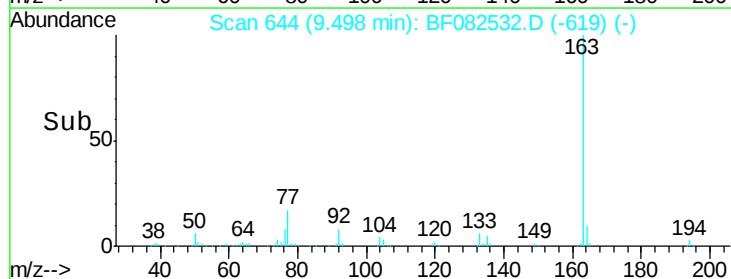
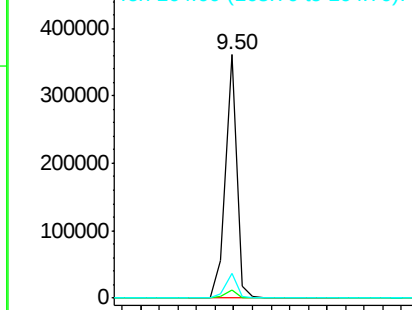


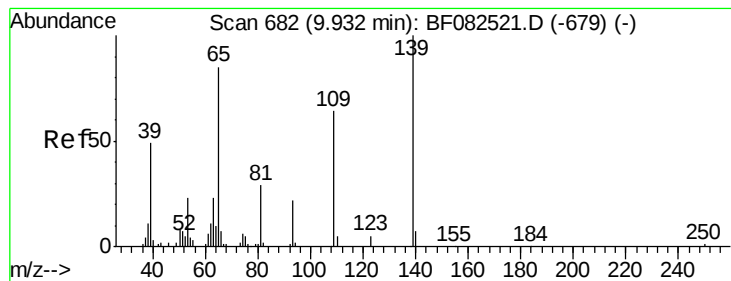
#49
 Dimethylphthalate
 Concen: 22.51 ng
 RT: 9.50 min Scan# 644
 Delta R.T. -0.01 min
 Lab File: BF082532.D
 Acq: 27 Oct 2015 5:35

Tgt Ion:163 Resp: 302186
 Ion Ratio Lower Upper
 163 100
 194 3.3 2.8 4.2
 164 10.1 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





#55

4-Nitrophenol

Concen: 7.43 ng

RT: 9.98 min Scan# 686

Delta R.T. 0.05 min

Lab File: BF082532.D

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ClientSampleId :

BRIDGE-14-01(0-2)

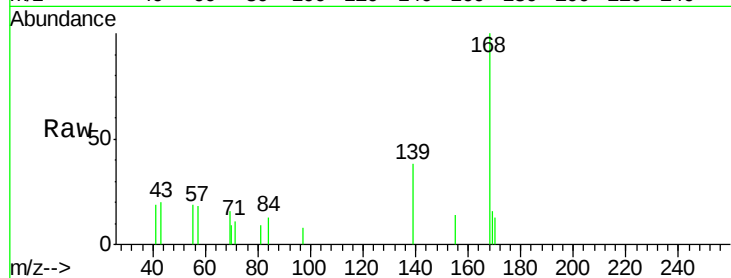
Tgt Ion:139 Resp: 1353

Ion Ratio Lower Upper

139 100

109 0.0 44.2 84.2#

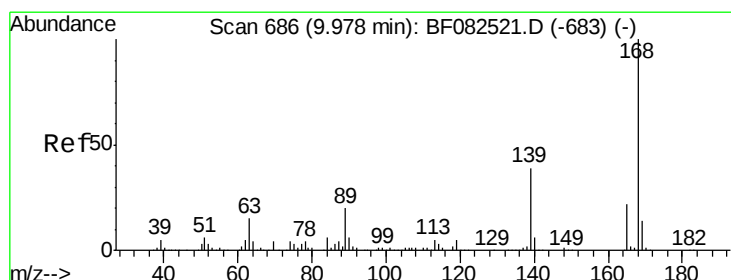
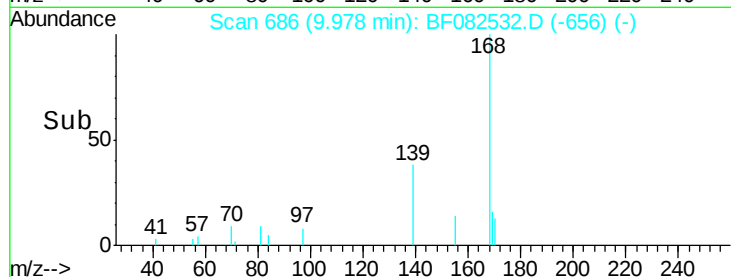
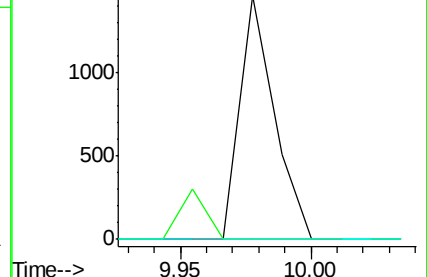
65 0.0 68.1 108.1#



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: 7.00 ng

RT: 9.77 min Scan# 668

Delta R.T. -0.21 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Tgt Ion:165 Resp: 25004

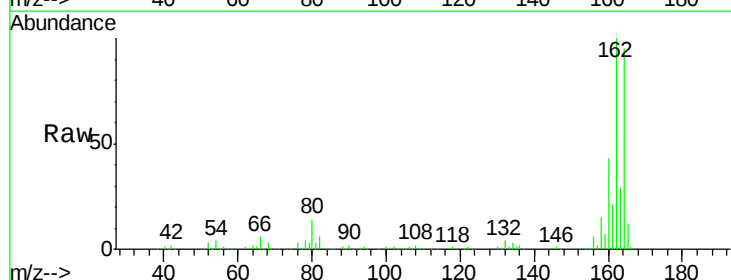
Ion Ratio Lower Upper

165 100

63 0.0 58.6 88.0#

89 1.2 72.3 108.5#

182 0.0 1.8 2.8#

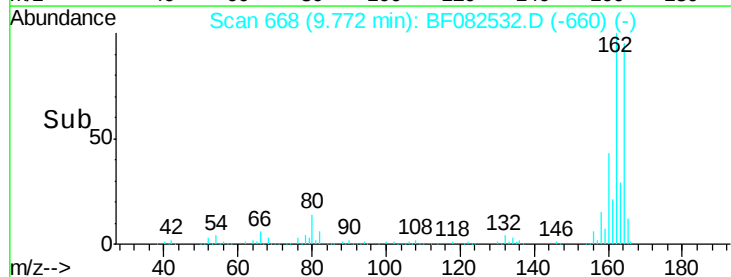
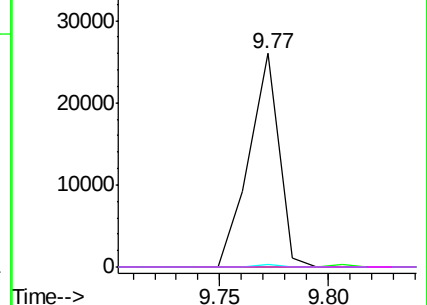


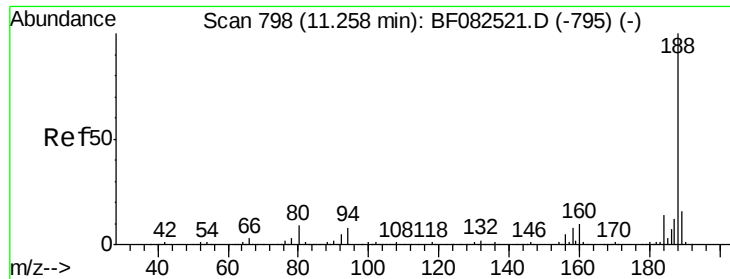
Abundance Ion 165.00 (164.70 to 165.70): E

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

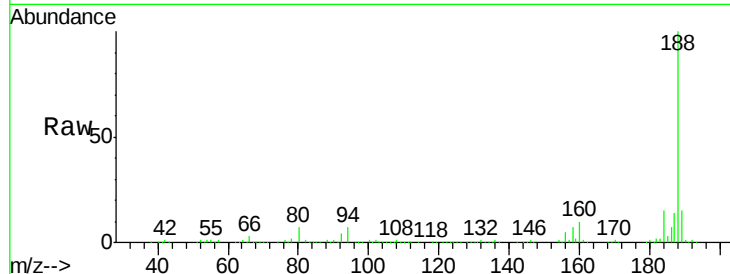




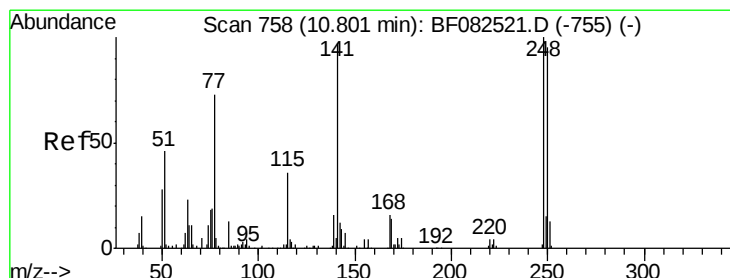
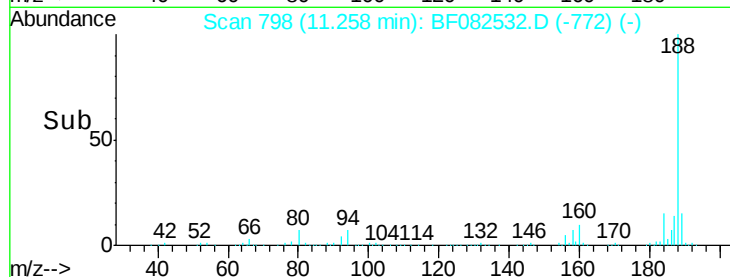
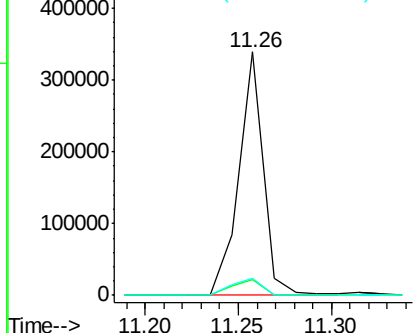
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.26 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF082532.D
 Acq: 27 Oct 2015 5:35

Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE-14-01(0-2)

Tgt Ion:188 Resp: 311374
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.4 9.6
 80 7.0 7.0 10.6#

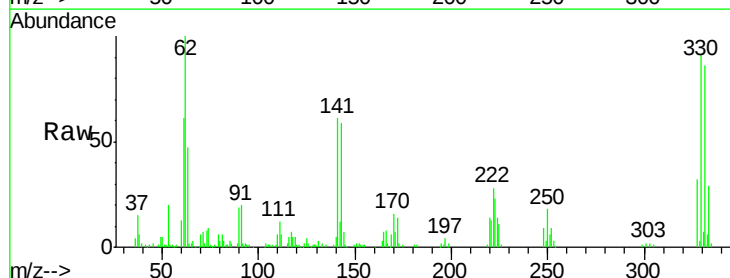


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

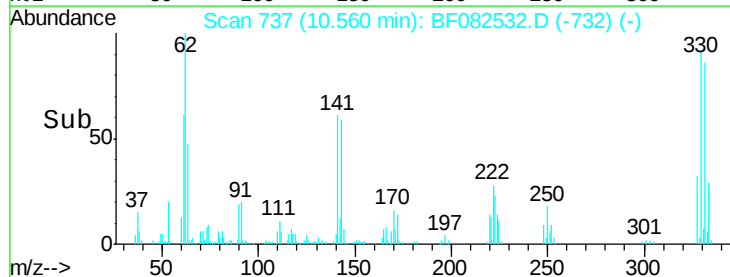
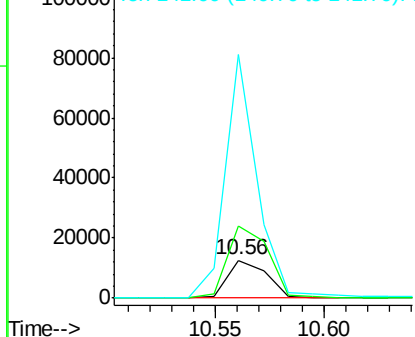


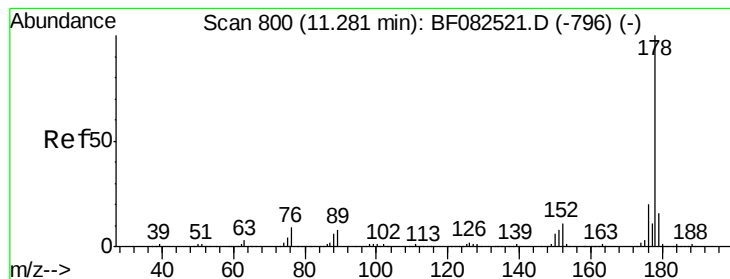
#66
 4-Bromophenyl-phenylether
 Concen: 5.41 ng
 RT: 10.56 min Scan# 737
 Delta R.T. -0.24 min
 Lab File: BF082532.D
 Acq: 27 Oct 2015 5:35

Tgt Ion:248 Resp: 15814
 Ion Ratio Lower Upper
 248 100
 250 188.6 76.0 114.0#
 141 640.3 77.5 116.3#



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: 4.14 ng

RT: 11.28 min Scan# 800

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

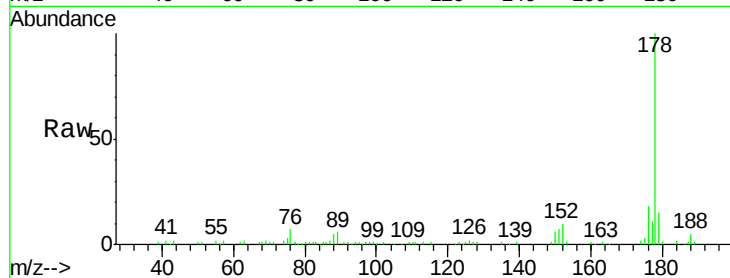
Tgt Ion:178 Resp: 66374

Ion Ratio Lower Upper

178 100

176 18.0 15.9 23.9

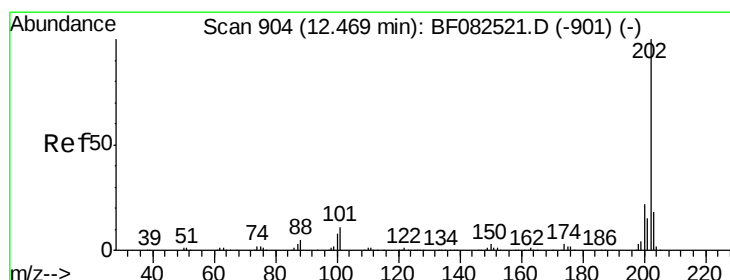
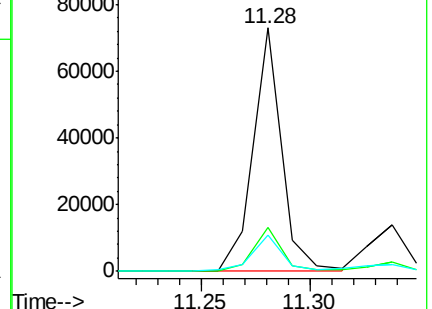
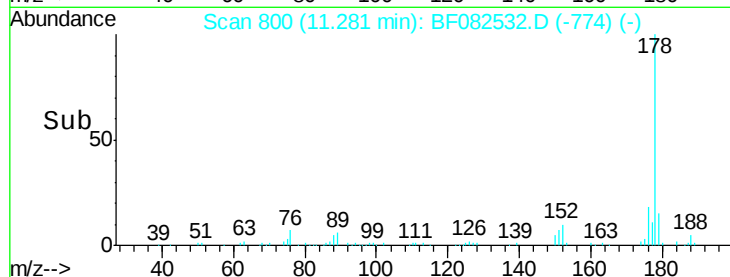
179 15.1 12.8 19.2



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: 6.04 ng

RT: 12.47 min Scan# 904

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

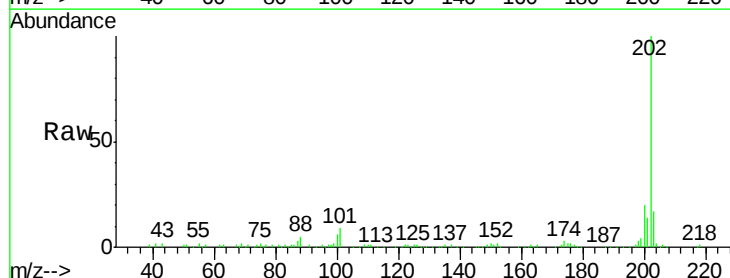
Tgt Ion:202 Resp: 99416

Ion Ratio Lower Upper

202 100

101 8.6 0.0 31.2

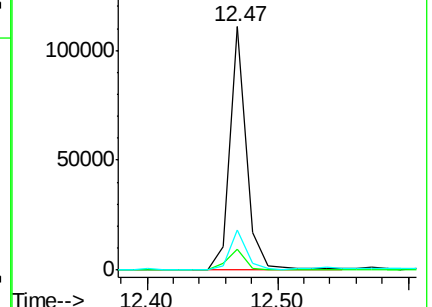
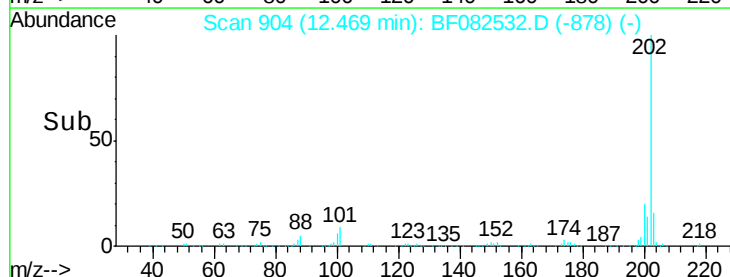
203 16.6 0.0 38.1

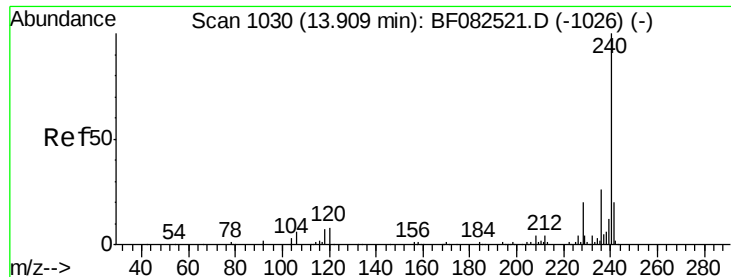


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.91 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

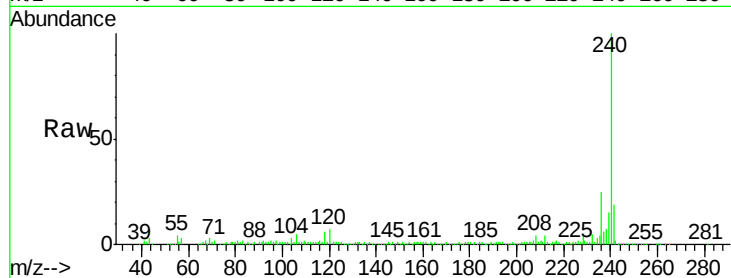
Tgt Ion:240 Resp: 233395

Ion Ratio Lower Upper

240 100

120 6.9 6.5 9.7

236 24.8 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.91

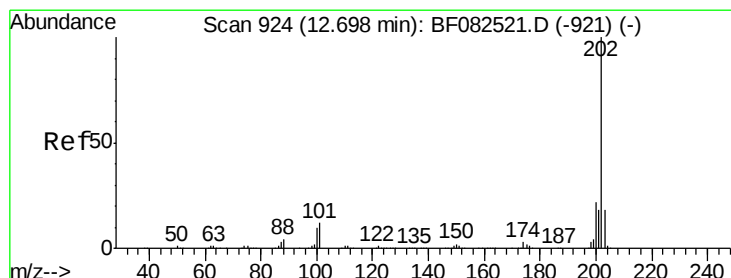
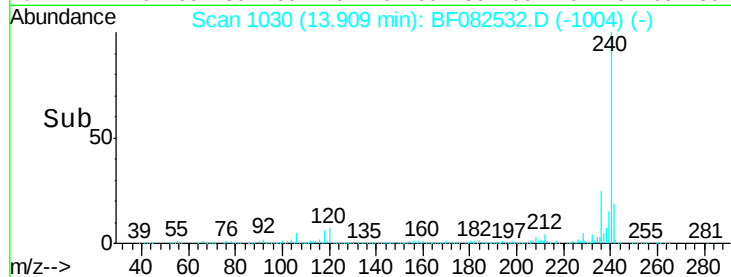
150000

100000

50000

0

Time-->



#77

Pyrene

Concen: 5.73 ng

RT: 12.70 min Scan# 924

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

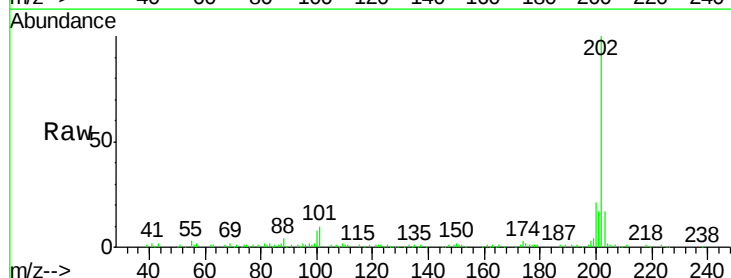
Tgt Ion:202 Resp: 82258

Ion Ratio Lower Upper

202 100

200 21.5 17.6 26.4

203 17.4 14.6 22.0



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

12.70

120000

100000

80000

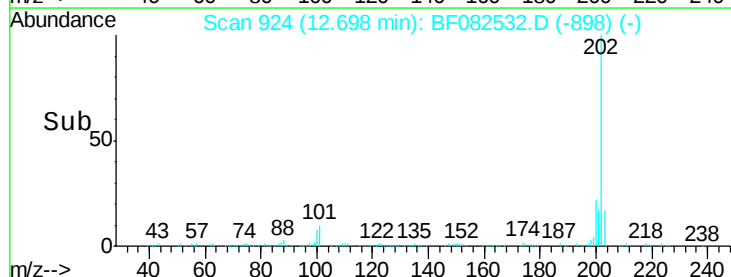
60000

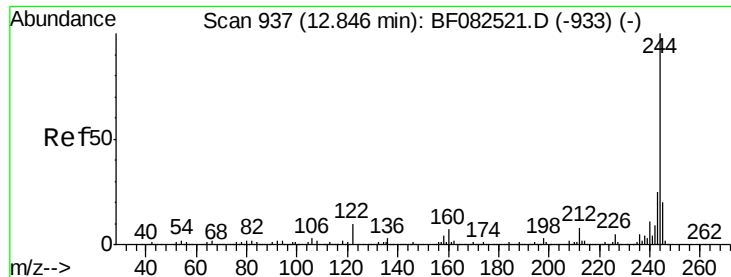
40000

20000

0

Time-->





#78

Terphenyl-d14

Concen: 100.78 ng

RT: 12.85 min Scan# 937

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

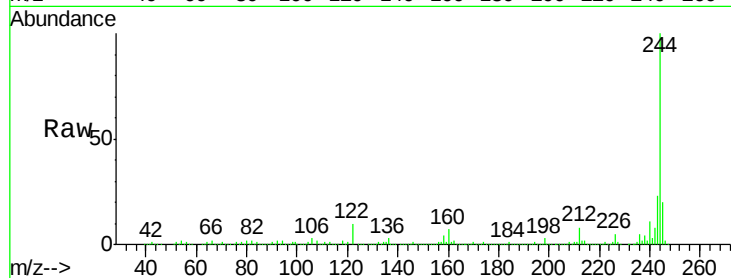
Tgt Ion:244 Resp: 816424

Ion Ratio Lower Upper

244 100

212 8.0 6.4 9.6

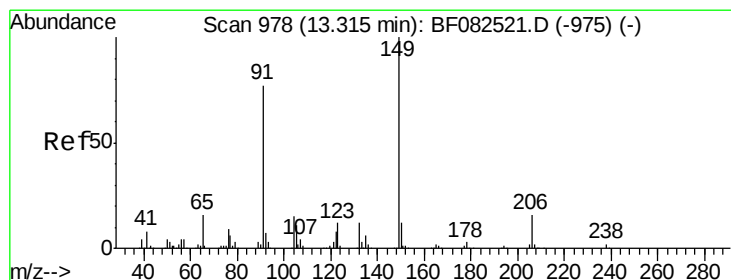
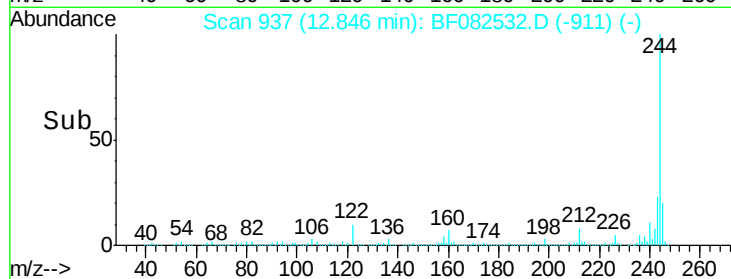
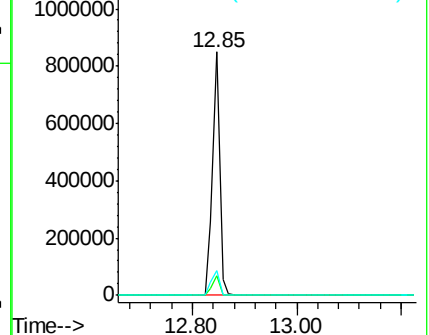
122 10.0 8.1 12.1



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



#79

Butylbenzylphthalate

Concen: 10.95 ng

RT: 13.32 min Scan# 978

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

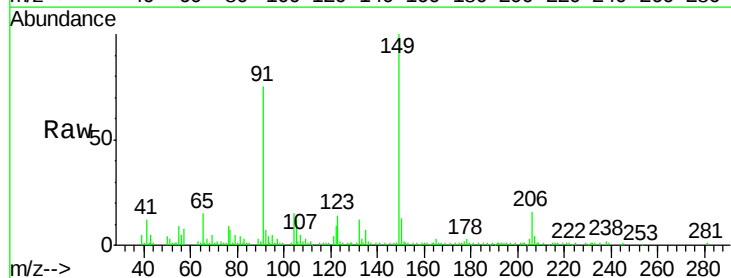
Tgt Ion:149 Resp: 66092

Ion Ratio Lower Upper

149 100

91 75.2 62.0 93.0

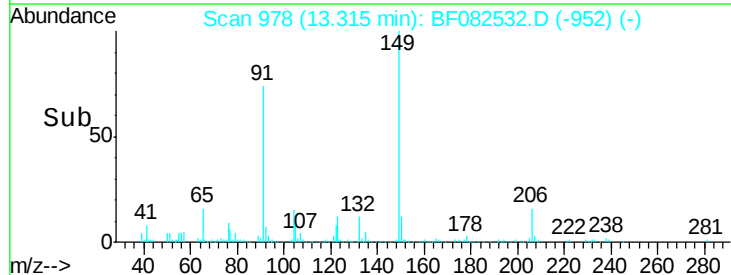
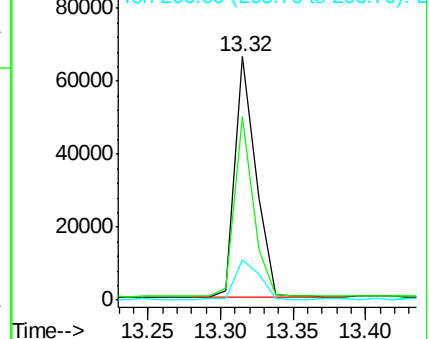
206 16.3 13.0 19.4

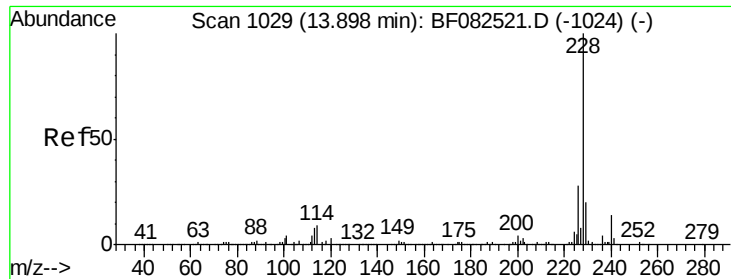


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF0

Ion 206.00 (205.70 to 206.70): E





#80

Benzo(a)anthracene

Concen: 4.24 ng

RT: 13.90 min Scan# 1029

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

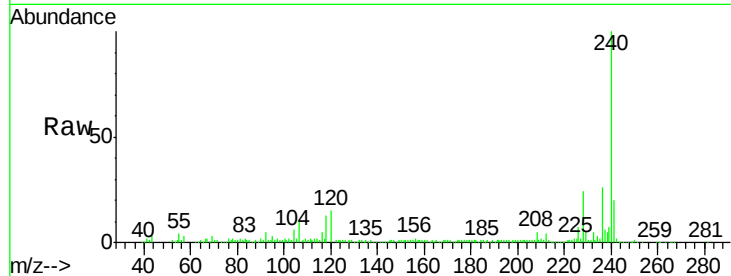
Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

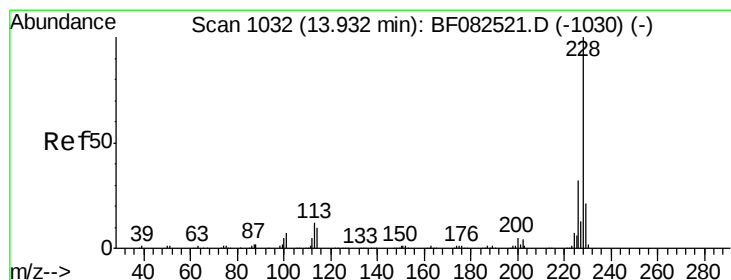
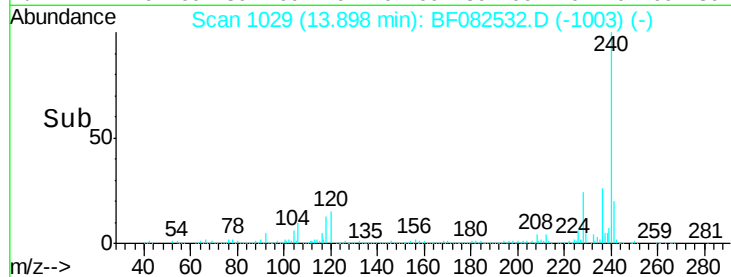
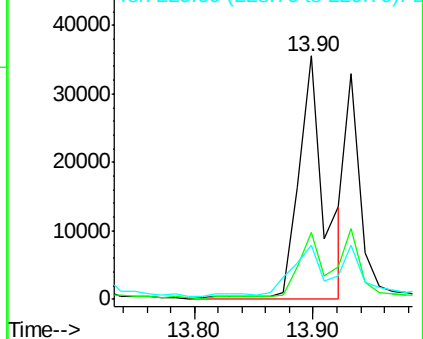
Tgt Ion:	228	Resp:	53045
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	22.0	16.1	24.1



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: 4.49 ng

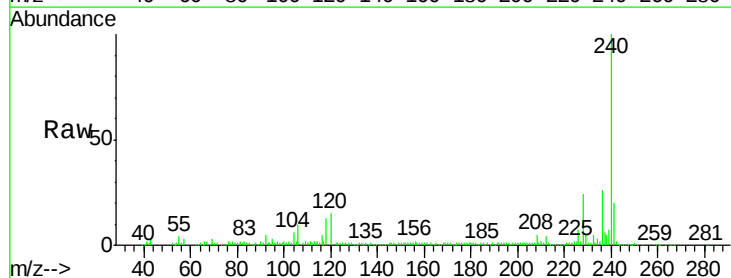
RT: 13.90 min Scan# 1029

Delta R.T. -0.03 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

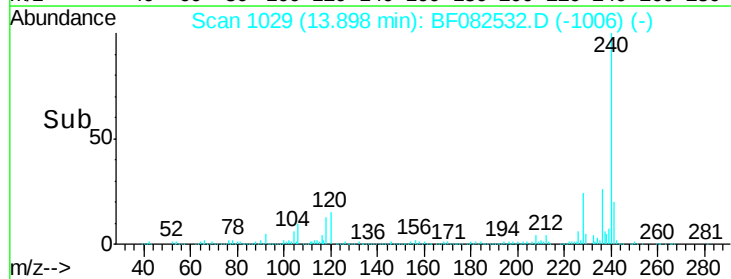
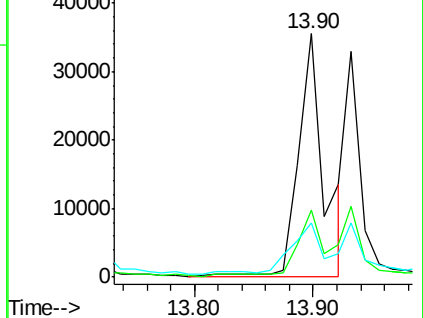
Tgt Ion:	228	Resp:	53045
Ion	Ratio	Lower	Upper
228	100		
226	27.6	25.2	37.8
229	22.0	16.3	24.5

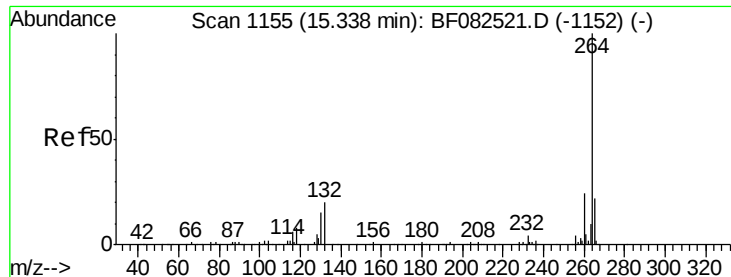


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.35 min Scan# 1156

Delta R.T. 0.01 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

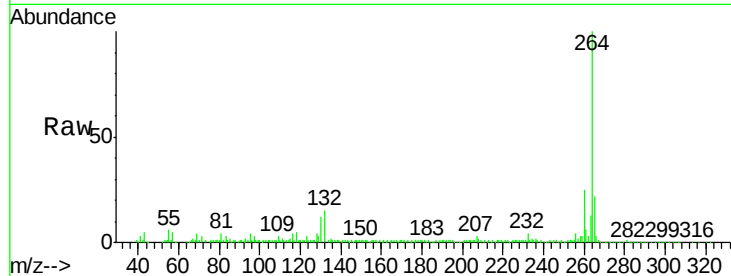
Tgt Ion:264 Resp: 205309

Ion Ratio Lower Upper

264 100

260 24.7 19.0 28.6

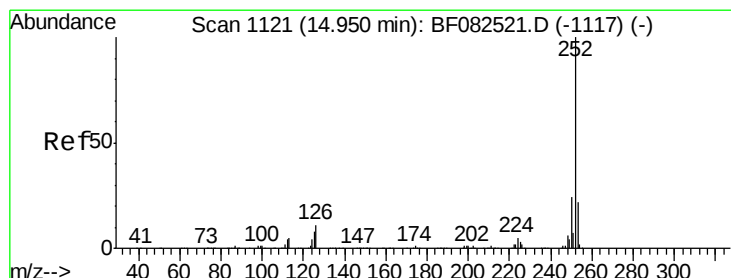
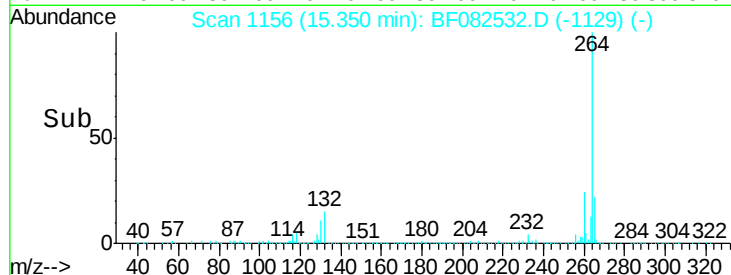
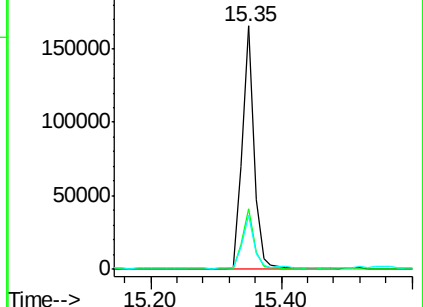
265 22.1 17.8 26.6



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: 5.80 ng

RT: 14.95 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF082532.D

Acq: 27 Oct 2015 5:35

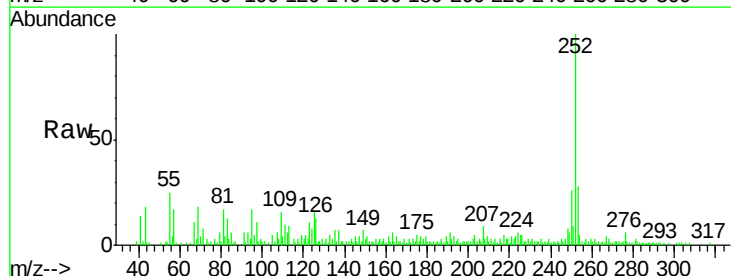
Tgt Ion:252 Resp: 70679

Ion Ratio Lower Upper

252 100

253 27.9 17.8 26.8#

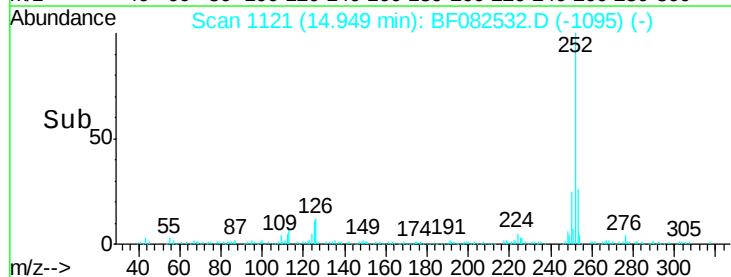
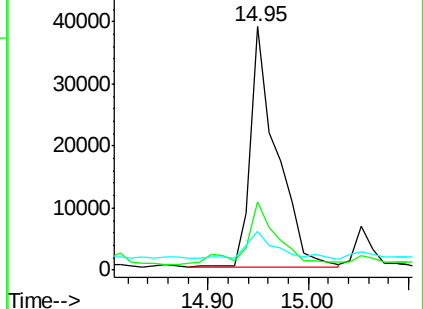
125 15.7 6.6 10.0#

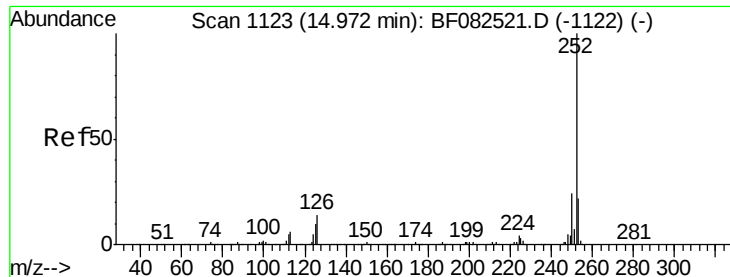


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

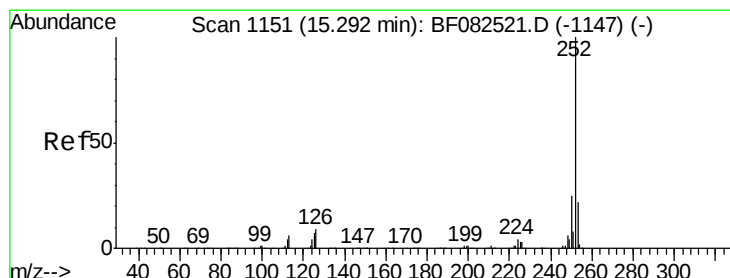
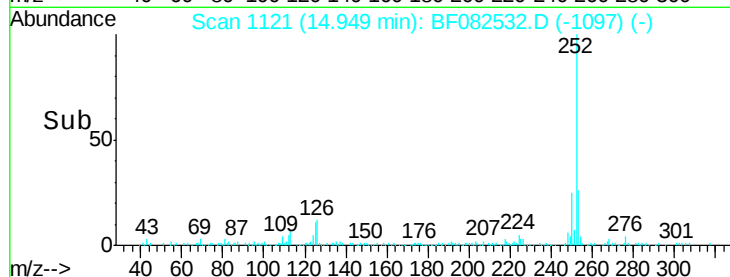
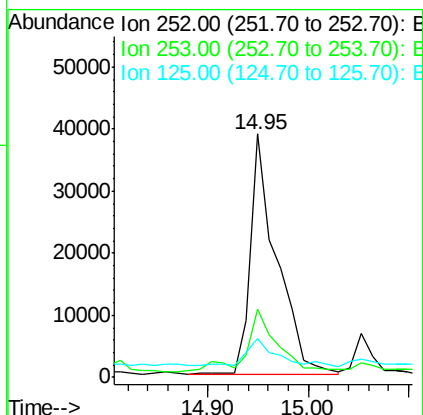
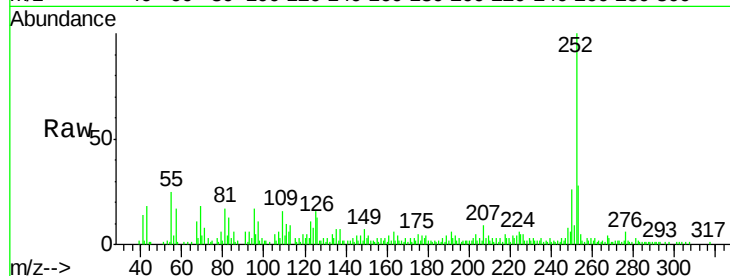




#88
Benzo(k)fluoranthene
Concen: 7.11 ng
RT: 14.95 min Scan# 1121
Delta R.T. -0.02 min
Lab File: BF082532.D
Acq: 27 Oct 2015 5:35

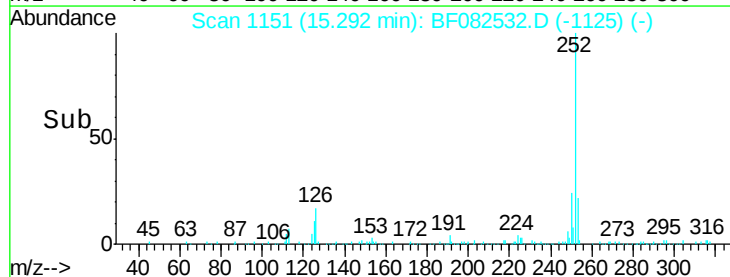
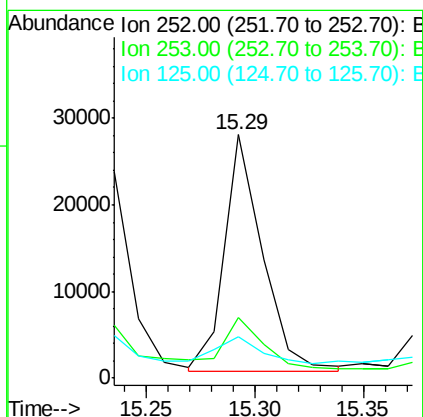
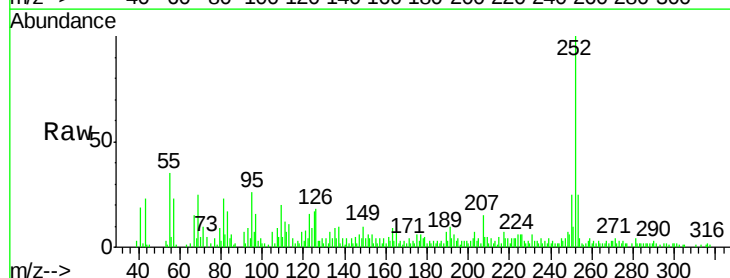
Instrument :
BNA_F
ClientSampleId :
BRIDGE-14-01(0-2)

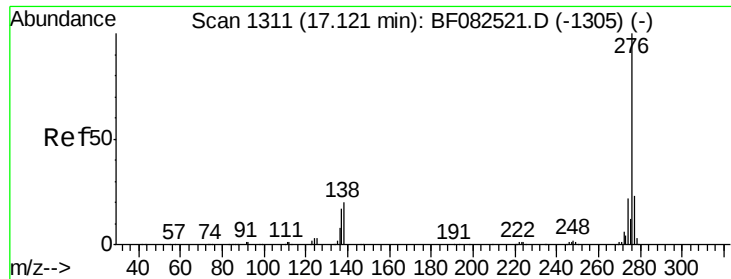
Tgt Ion:252 Resp: 70679
Ion Ratio Lower Upper
252 100
253 27.9 17.8 26.6#
125 15.7 8.7 13.1#



#89
Benzo(a)pyrene
Concen: 3.17 ng
RT: 15.29 min Scan# 1151
Delta R.T. -0.00 min
Lab File: BF082532.D
Acq: 27 Oct 2015 5:35

Tgt Ion:252 Resp: 33483
Ion Ratio Lower Upper
252 100
253 25.1 17.3 25.9
125 16.8 5.9 8.9#





#91

Benzo(g,h,i)perylene

Concen: 2.15 ng

RT: 17.14 min Scan# 1313

Delta R.T. 0.02 min

Lab File: BF082532.D

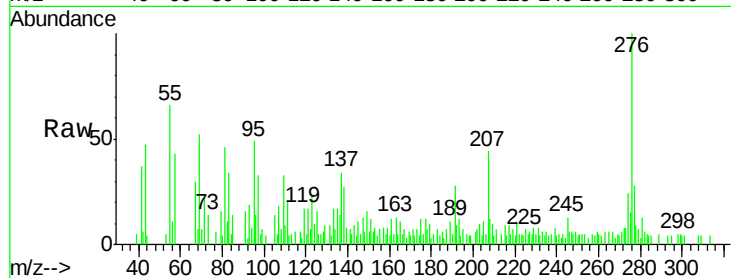
Acq: 27 Oct 2015 5:35

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)



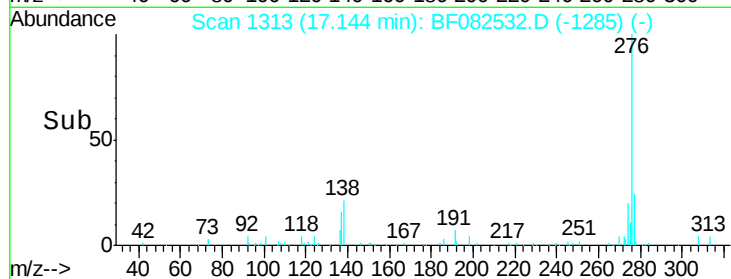
Tgt Ion: 276 Resp: 18795

Ion Ratio Lower Upper

276 100

277 27.8 18.3 27.5#

138 27.3 16.0 24.0#



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

