

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102315\
 Data File : BF082498.D
 Acq On : 24 Oct 2015 7:43
 Operator : UM/IZ
 Sample : G4116-07RE
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

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

Quant Time: Oct 24 23:19:40 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 23 15:17:13 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	93986	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	333509	20.00	ng	0.00
38) Acenaphthene-d10	9.79	164	159132	20.00	ng	-0.01
63) Phenanthrene-d10	11.28	188	262883	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	206000	20.00	ng	-0.08
86) Perylene-d12	15.44	264	203241	20.00	ng	-0.18

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	761936	163.62	ng	0.01
7) Phenol-d6	6.41	99	856883	141.40	ng	-0.01
23) Nitrobenzene-d5	7.33	82	533606	107.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.59	330	183236	122.78	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	987762	102.94	ng	-0.01
78) Terphenyl-d14	12.88	244	729291	93.81	ng	-0.02

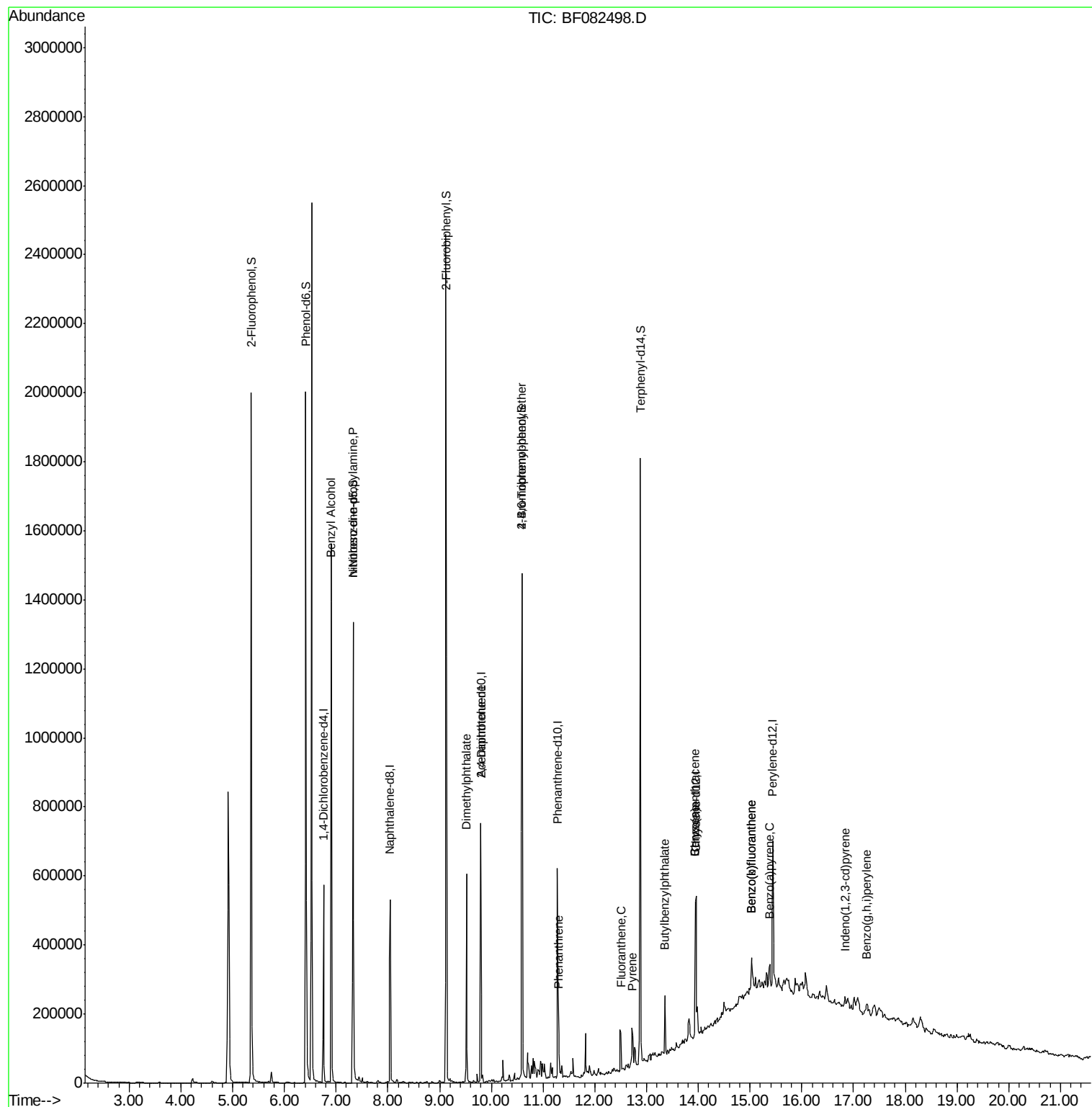
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Benzyl Alcohol	6.90	79	9477	2.27	ng	# 52
19) n-Nitroso-di-n-propylamine	7.33	70	70786	16.63	ng	# 78
49) Dimethylphthalate	9.52	163	240173	21.43	ng	99
55) 4-Nitrophenol	10.00	139	1069	Below Cal		# 11
56) 2,4-Dinitrotoluene	9.79	165	20074	6.79	ng	# 22
66) 4-Bromophenyl-phenylether	10.59	248	14848	5.64	ng	# 1
70) Phenanthrene	11.30	178	53682	4.17	ng	99
74) Fluoranthene	12.50	202	77824	5.62	ng	97
77) Pyrene	12.73	202	64452	5.27	ng	98
79) Butylbenzylphthalate	13.35	149	59370	10.64	ng	# 87
80) Benzo(a)anthracene	13.94	228	47729	4.45	ng	99
82) Chrysene	13.94	228	47729	4.23	ng	96
85) Indeno(1,2,3-cd)pyrene	16.84	276	20359	2.27	ng	96
87) Benzo(b)fluoranthene	15.03	252	68042	5.50	ng	# 92
88) Benzo(k)fluoranthene	15.03	252	68042	6.55	ng	# 90
89) Benzo(a)pyrene	15.38	252	34228	3.22	ng	# 93
91) Benzo(g,h,i)perylene	17.26	276	21498	2.54	ng	96

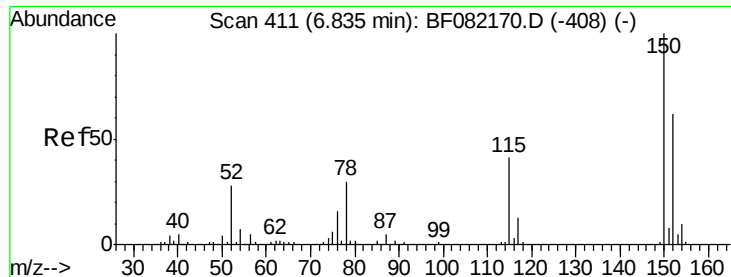
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.75 min Scan# 404

Delta R.T. 0.00 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

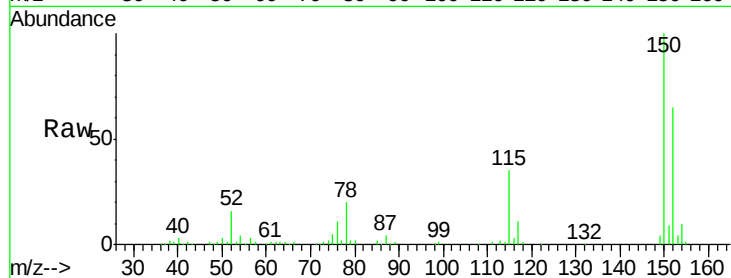
Tgt Ion:152 Resp: 93986

Ion Ratio Lower Upper

152 100

150 154.5 129.0 193.4

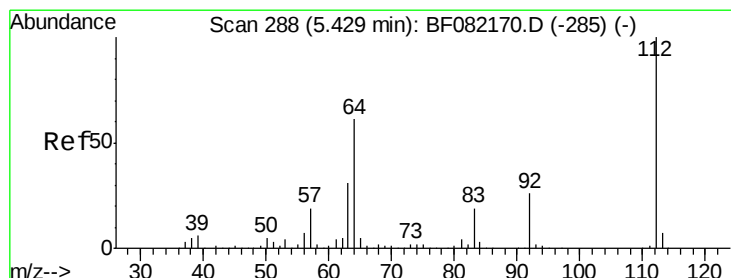
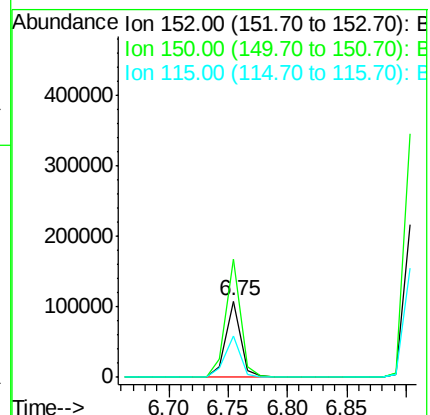
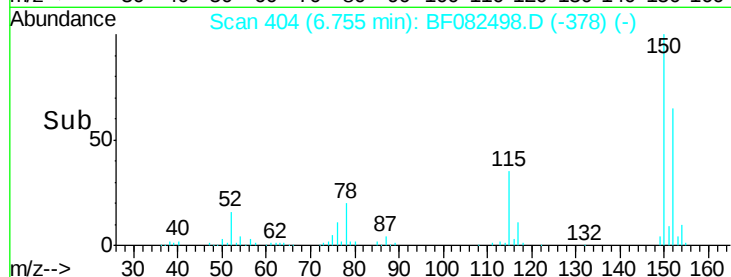
115 53.4 52.1 78.1



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: 163.62 ng

RT: 5.36 min Scan# 282

Delta R.T. 0.01 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

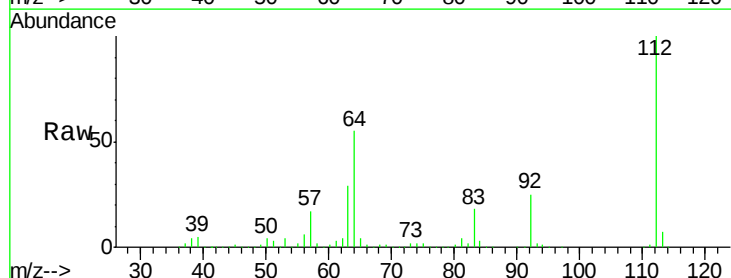
Tgt Ion:112 Resp: 761936

Ion Ratio Lower Upper

112 100

64 54.7 48.6 73.0

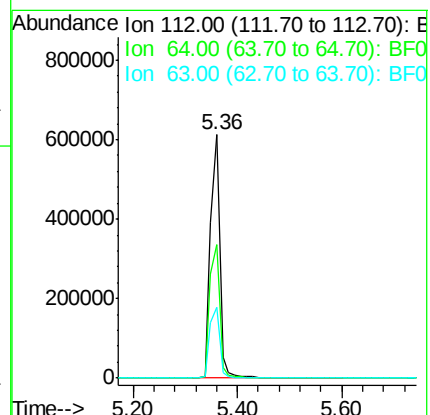
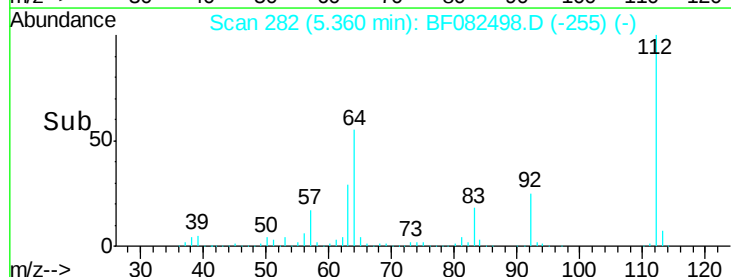
63 28.9 25.1 37.7

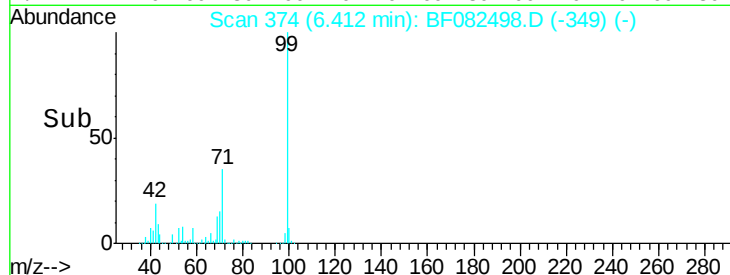
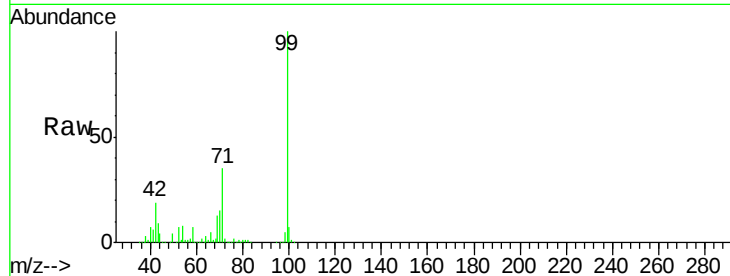


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 141.40 ng

RT: 6.41 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

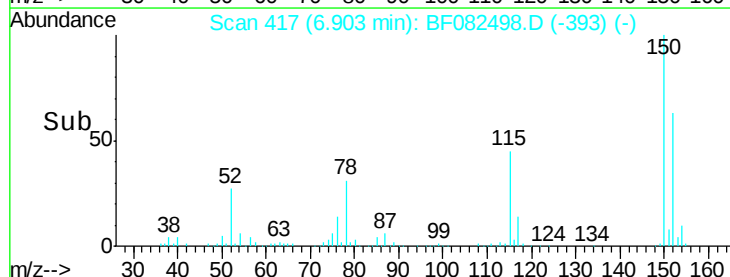
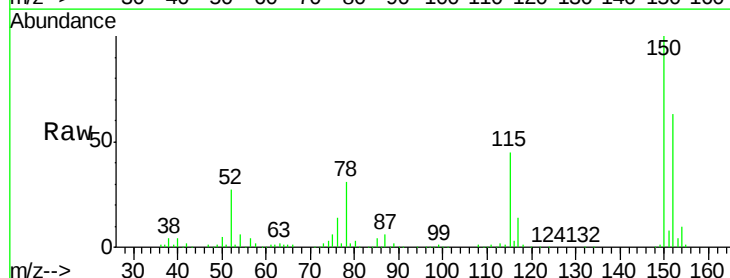
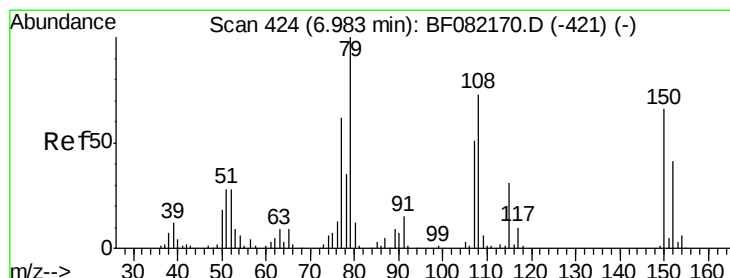
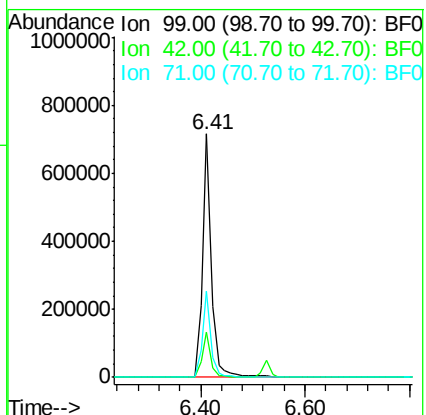
Tgt Ion: 99 Resp: 856883

Ion Ratio Lower Upper

99 100

42 18.5 13.2 19.8

71 35.3 25.6 38.4



#15

Benzyl Alcohol

Concen: 2.27 ng

RT: 6.90 min Scan# 417

Delta R.T. -0.02 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

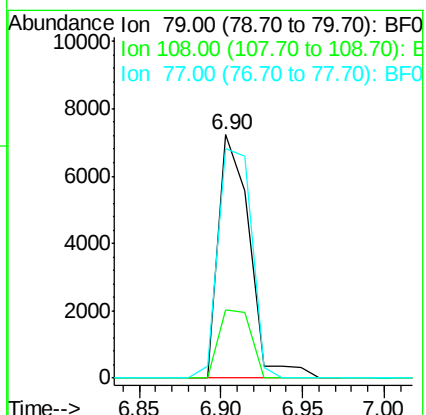
Tgt Ion: 79 Resp: 9477

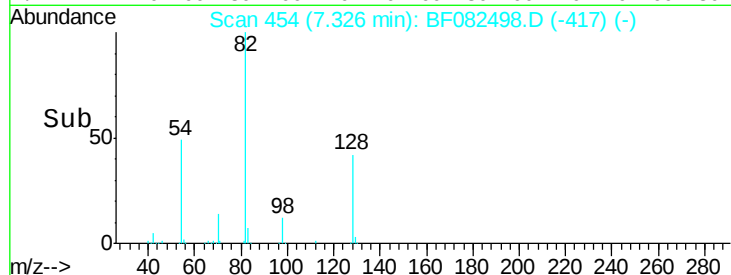
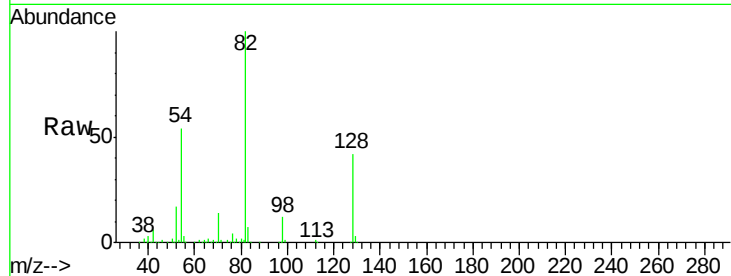
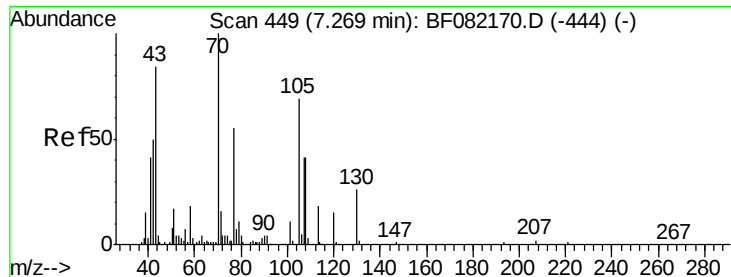
Ion Ratio Lower Upper

79 100

108 27.8 58.4 87.6#

77 94.5 49.8 74.6#

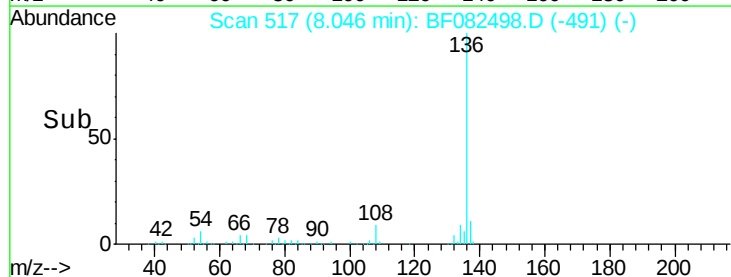
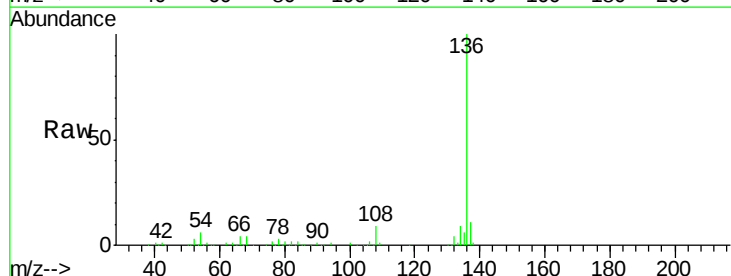
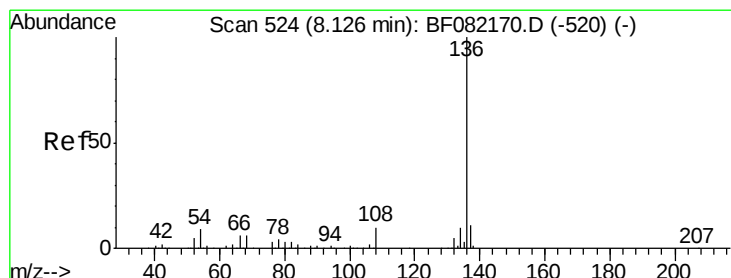
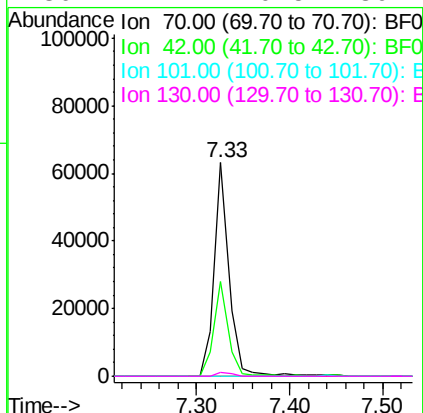




#19
n-Nitroso-di-n-propylamine
Concen: 16.63 ng
RT: 7.33 min Scan# 454
Delta R.T. 0.13 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

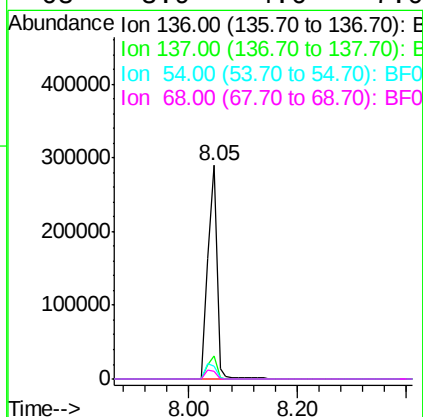
Instrument :
BNA_F
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BRIDGE-14-01(0-2)

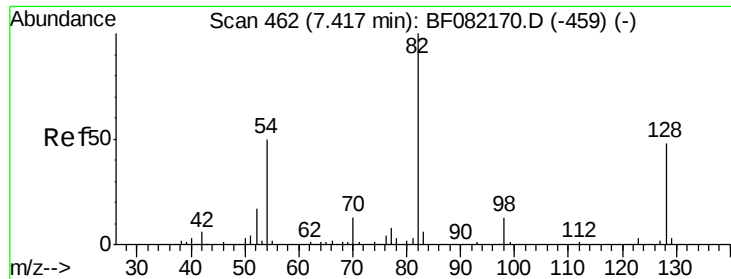
Tgt Ion:	70	Resp:	70786
Ion	Ratio	Lower	Upper
70	100		
42	44.2	39.8	59.8
101	0.0	8.6	13.0#
130	2.1	20.5	30.7#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.05 min Scan# 517
Delta R.T. 0.00 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

Tgt Ion:	136	Resp:	333509
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	5.7	7.5	11.3#
68	3.9	4.6	7.0#

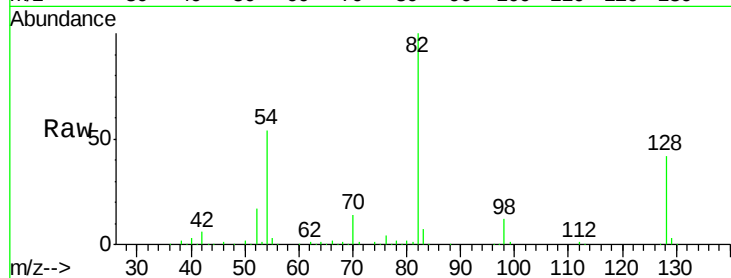




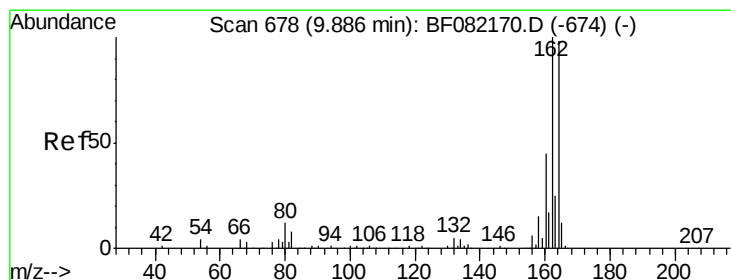
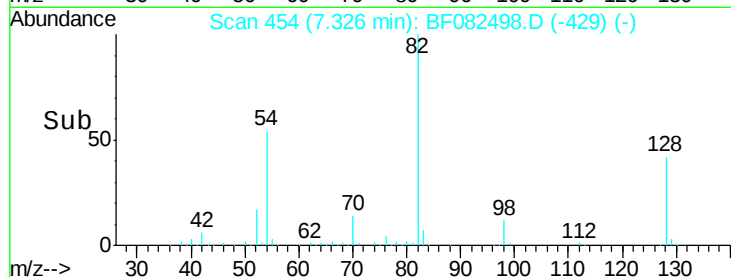
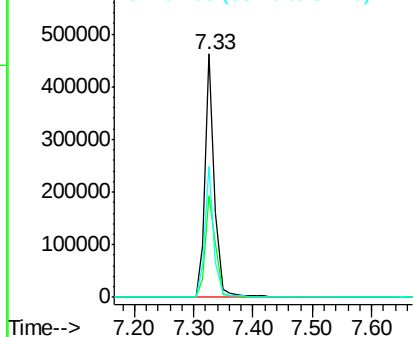
#23
 Nitrobenzene-d5
 Concen: 107.45 ng
 RT: 7.33 min Scan# 454
 Delta R.T. -0.01 min
 Lab File: BF082498.D
 Acq: 24 Oct 2015 7:43

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

Tgt Ion: 82 Resp: 533606
 Ion Ratio Lower Upper
 82 100
 128 41.8 38.7 58.1
 54 54.1 40.1 60.1

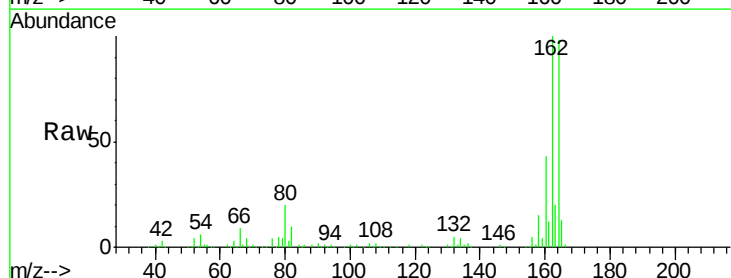


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

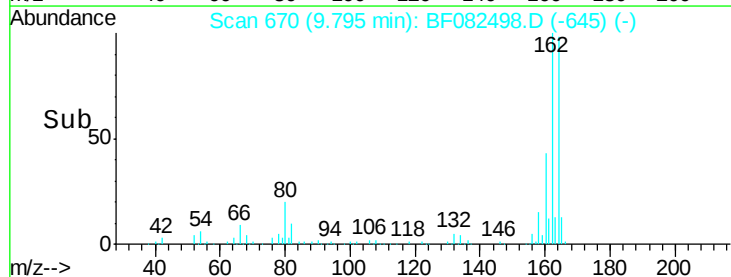
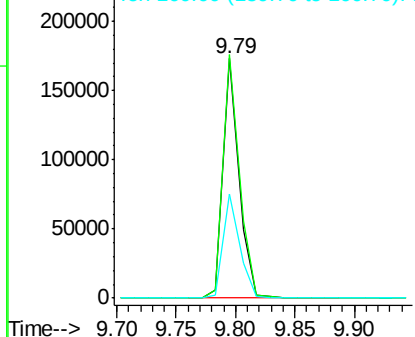


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.79 min Scan# 670
 Delta R.T. -0.01 min
 Lab File: BF082498.D
 Acq: 24 Oct 2015 7:43

Tgt Ion: 164 Resp: 159132
 Ion Ratio Lower Upper
 164 100
 162 101.7 81.6 122.4
 160 43.2 36.4 54.6



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

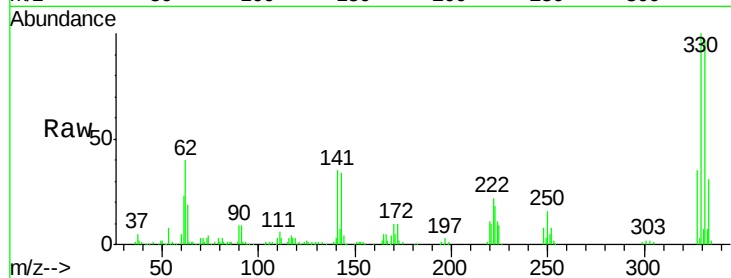




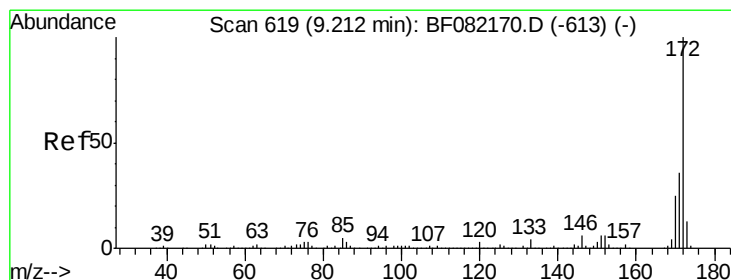
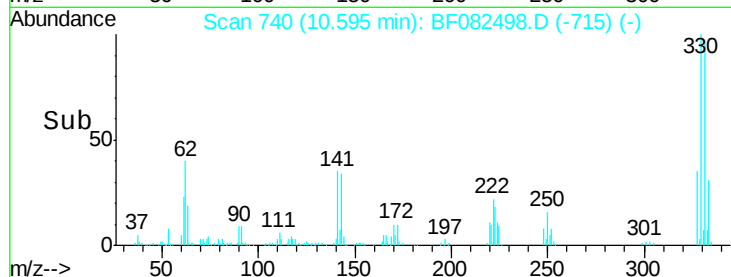
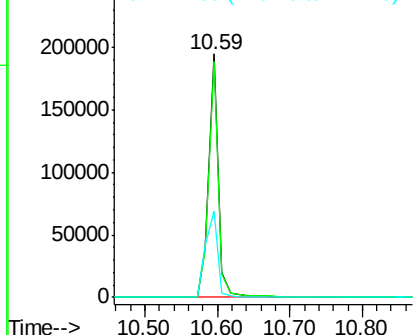
#41
 2,4,6-Tribromophenol
 Concen: 122.78 ng
 RT: 10.59 min Scan# 740
 Delta R.T. -0.01 min
 Lab File: BF082498.D
 Acq: 24 Oct 2015 7:43

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

Tgt Ion:330 Resp: 183236
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.1 115.7
 141 44.6 29.8 44.8

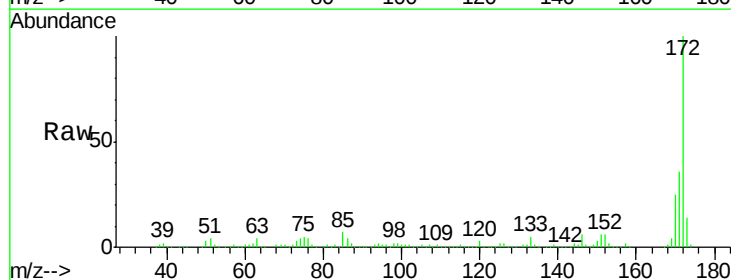


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

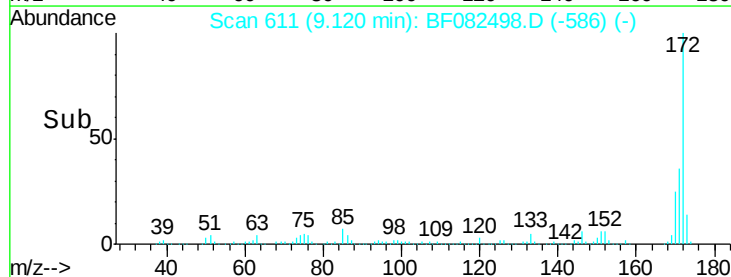
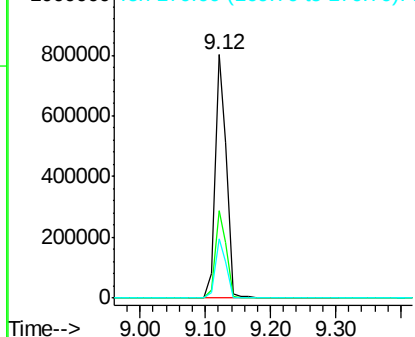


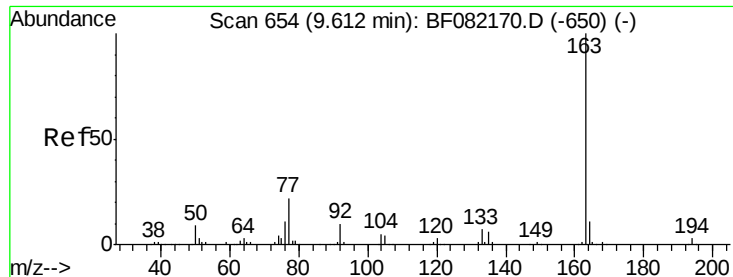
#44
 2-Fluorobiphenyl
 Concen: 102.94 ng
 RT: 9.12 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: BF082498.D
 Acq: 24 Oct 2015 7:43

Tgt Ion:172 Resp: 987762
 Ion Ratio Lower Upper
 172 100
 171 35.9 28.6 42.8
 170 24.6 19.7 29.5



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

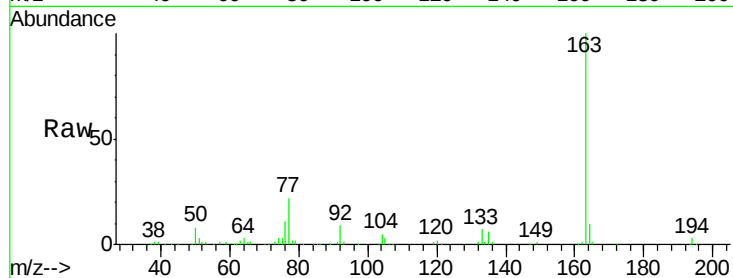




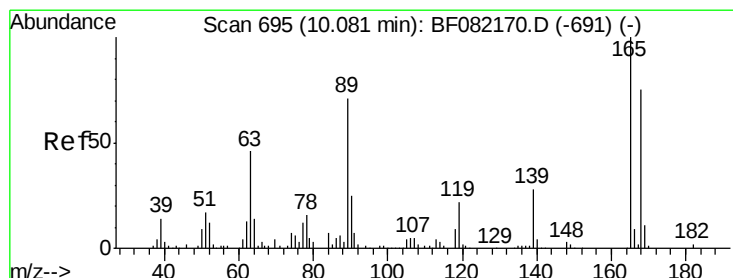
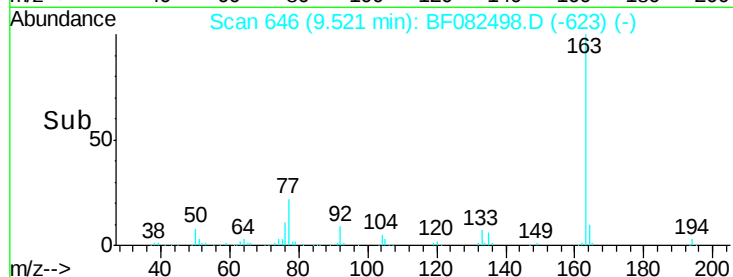
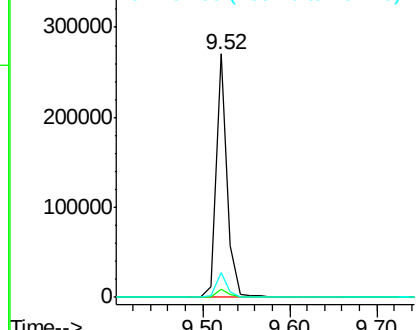
#49
Dimethylphthalate
Concen: 21.43 ng
RT: 9.52 min Scan# 646
Delta R.T. -0.03 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

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

Tgt Ion:163 Resp: 240173
Ion Ratio Lower Upper
163 100
194 3.3 2.6 4.0
164 10.1 8.5 12.7

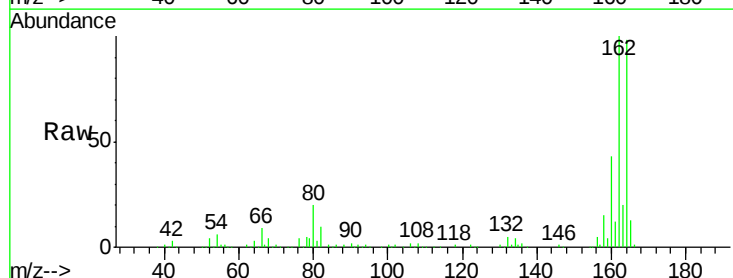


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

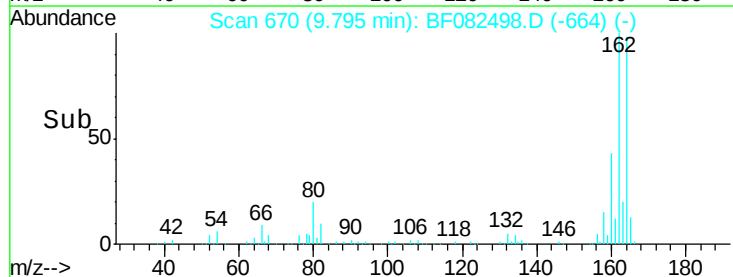
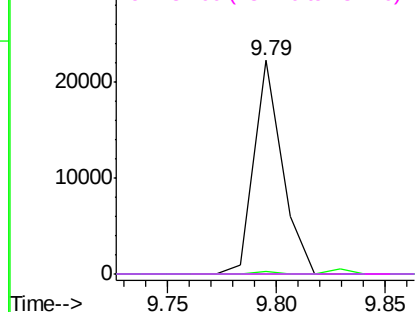


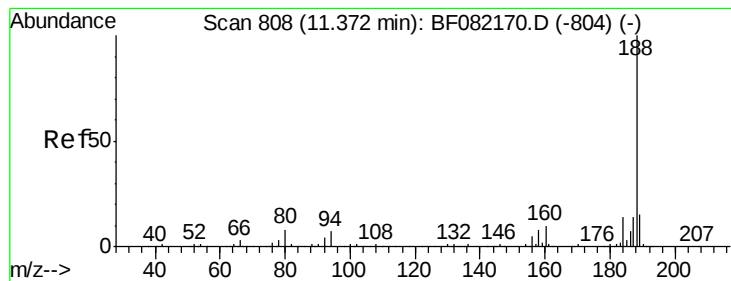
#56
2,4-Dinitrotoluene
Concen: 6.79 ng
RT: 9.79 min Scan# 670
Delta R.T. -0.23 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

Tgt Ion:165 Resp: 20074
Ion Ratio Lower Upper
165 100
63 1.4 38.6 58.0#
89 0.0 57.0 85.6#
182 0.0 1.8 2.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.28 min Scan# 800

Delta R.T. -0.01 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

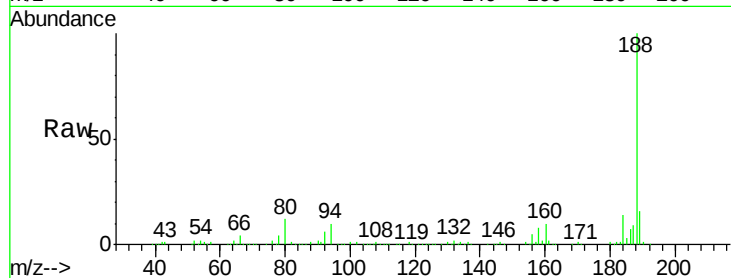
Tgt Ion:188 Resp: 262883

Ion Ratio Lower Upper

188 100

94 10.0 5.8 8.6#

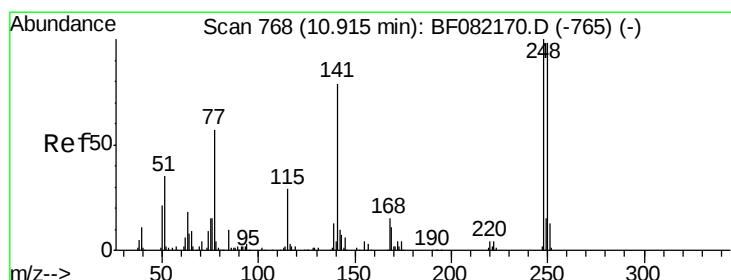
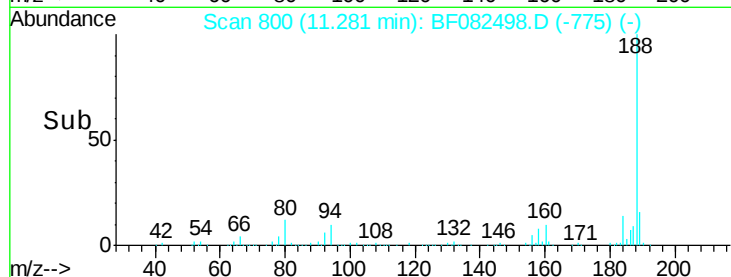
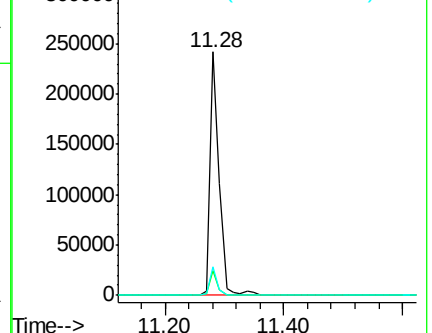
80 11.9 6.4 9.6#



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: 5.64 ng

RT: 10.59 min Scan# 740

Delta R.T. -0.25 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

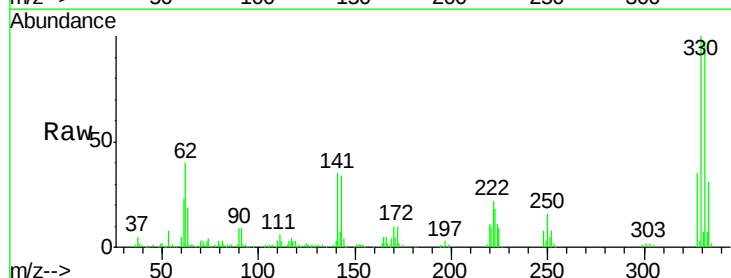
Tgt Ion:248 Resp: 14848

Ion Ratio Lower Upper

248 100

250 201.7 78.6 117.8#

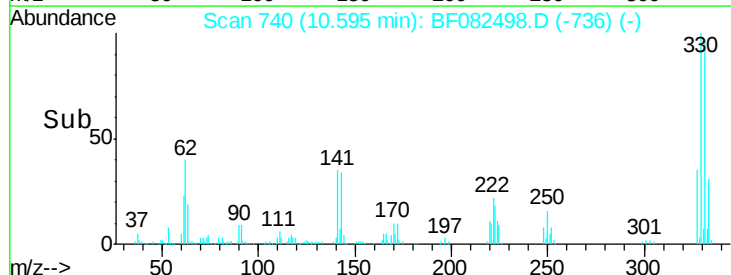
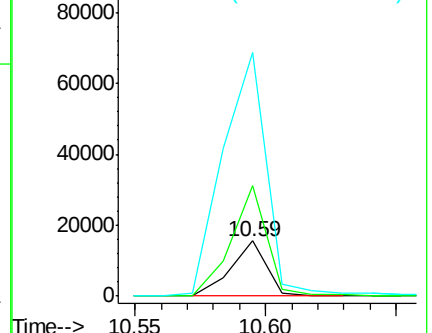
141 442.6 63.3 94.9#

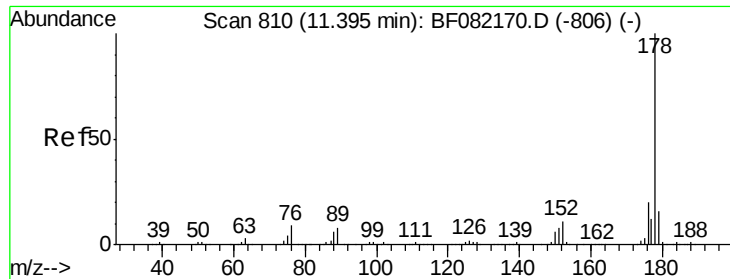


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

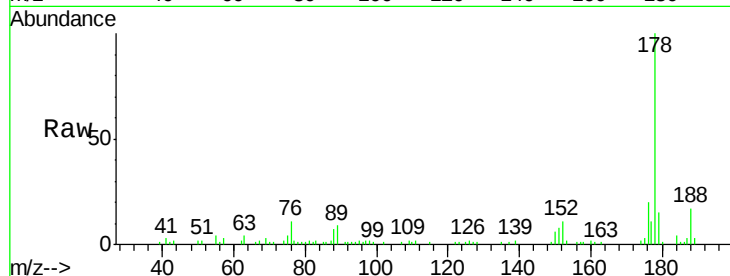




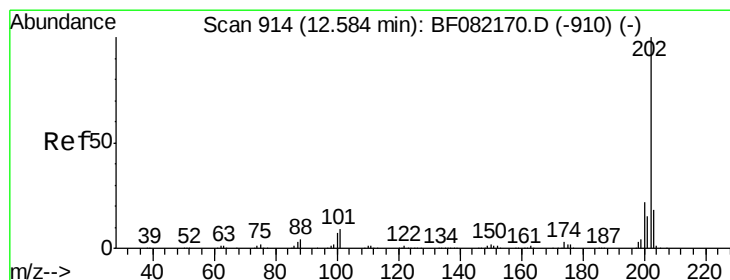
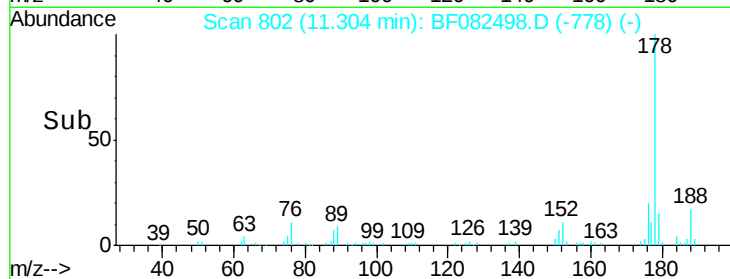
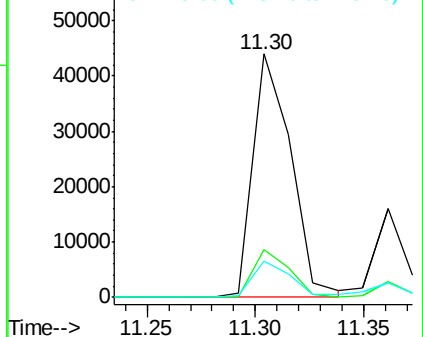
#70
Phenanthrene
Concen: 4.17 ng
RT: 11.30 min Scan# 802
Delta R.T. -0.02 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

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

Tgt Ion:178 Resp: 53682
Ion Ratio Lower Upper
178 100
176 19.5 16.0 24.0
179 15.1 12.6 19.0

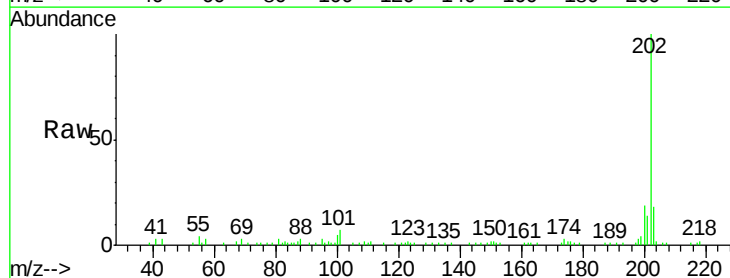


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

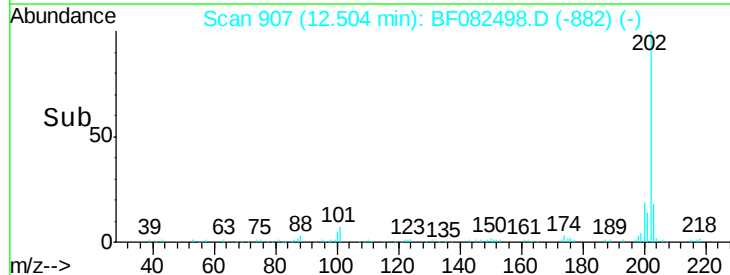
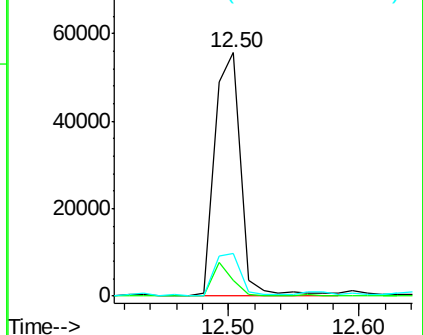


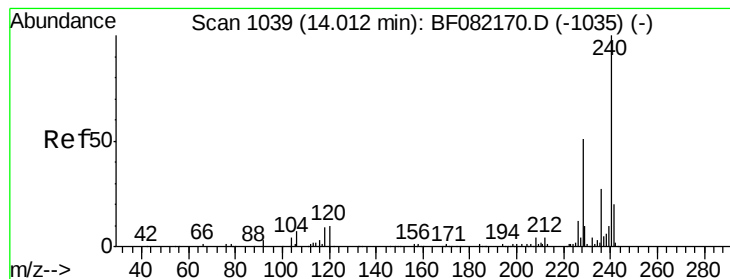
#74
Fluoranthene
Concen: 5.62 ng
RT: 12.50 min Scan# 907
Delta R.T. -0.01 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

Tgt Ion:202 Resp: 77824
Ion Ratio Lower Upper
202 100
101 6.7 0.0 29.3
203 17.5 0.0 37.8



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: 13.96 min Scan# 1034

Delta R.T. -0.08 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

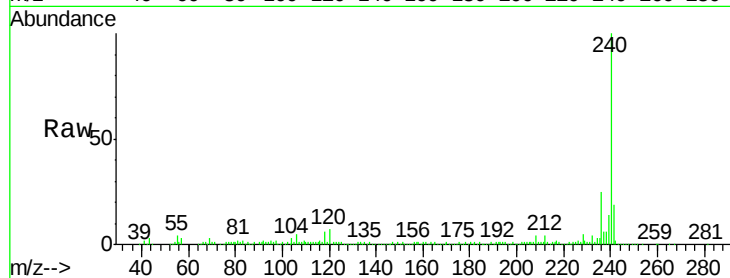
Tgt Ion:240 Resp: 206000

Ion Ratio Lower Upper

240 100

120 6.6 8.1 12.1#

236 25.3 21.3 31.9

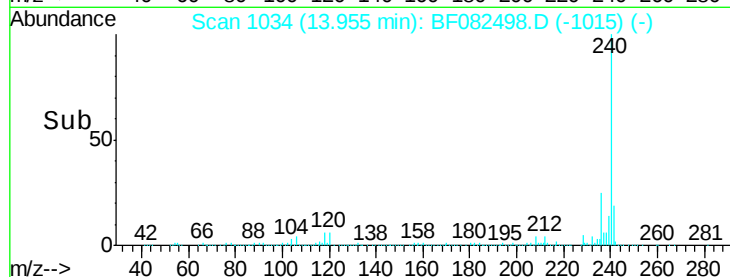


Abundance Ion 240.00 (239.70 to 240.70): E

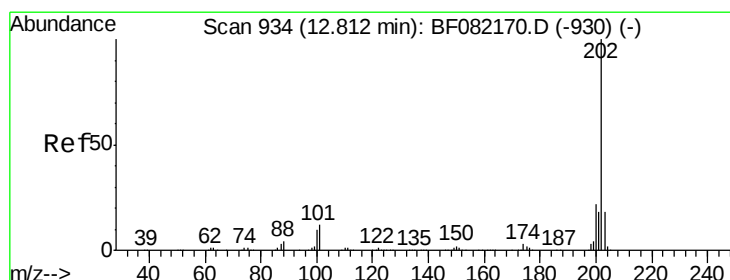
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

13.96



Time--> 13.80 14.00 14.20



#77

Pyrene

Concen: 5.27 ng

RT: 12.73 min Scan# 927

Delta R.T. -0.01 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

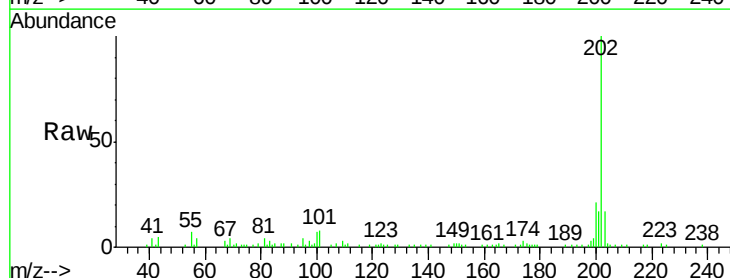
Tgt Ion:202 Resp: 64452

Ion Ratio Lower Upper

202 100

200 21.0 17.9 26.9

203 17.3 14.5 21.7

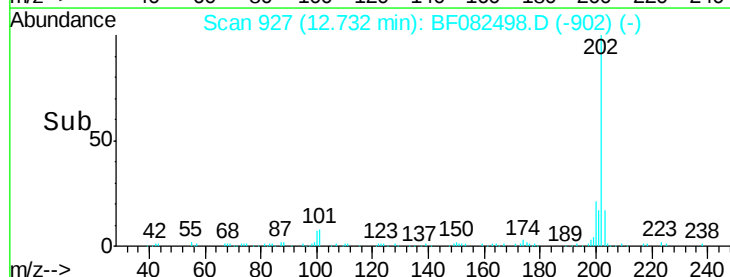


Abundance Ion 202.00 (201.70 to 202.70): E

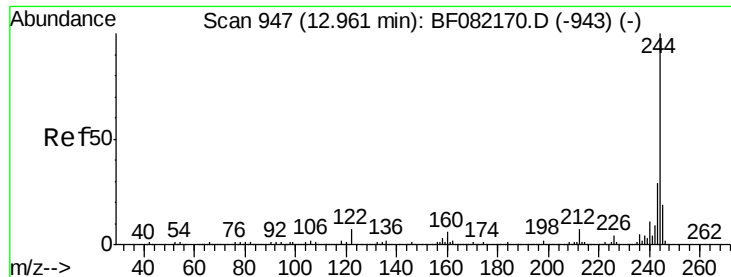
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

12.73



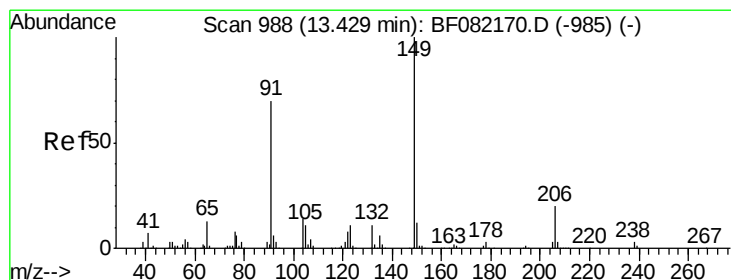
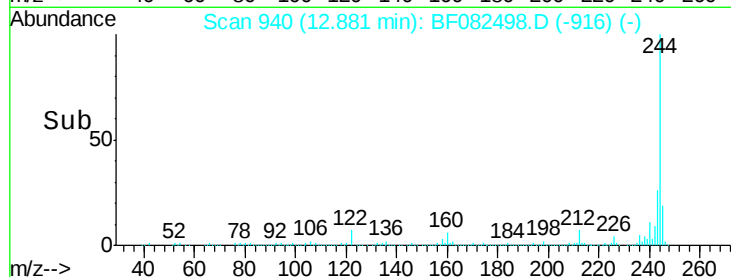
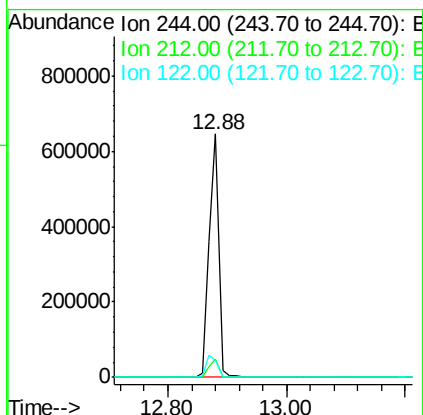
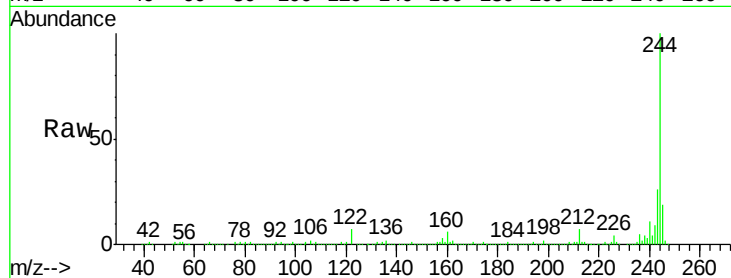
Time--> 12.70 12.80



#78
 Terphenyl-d14
 Concen: 93.81 ng
 RT: 12.88 min Scan# 940
 Delta R.T. -0.02 min
 Lab File: BF082498.D
 Acq: 24 Oct 2015 7:43

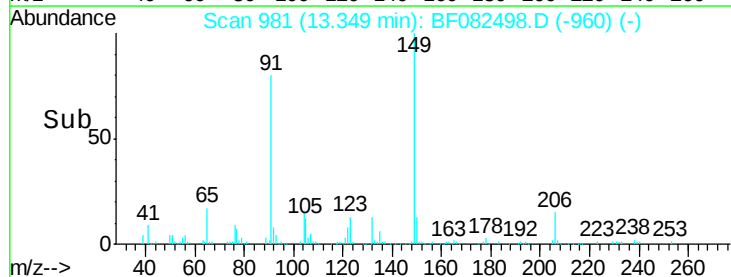
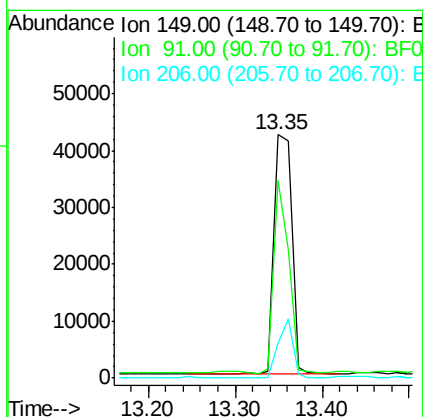
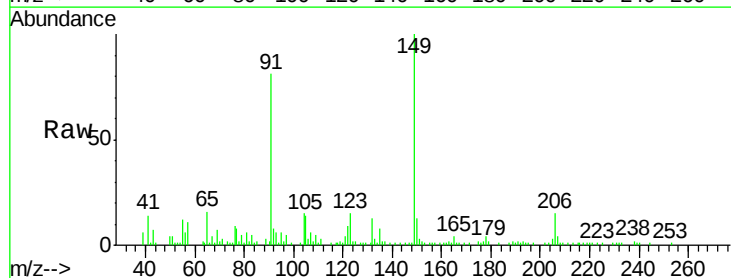
Instrument :
 BNA_F
 ClientSampleId :
 BRIDGE-14-01(0-2)

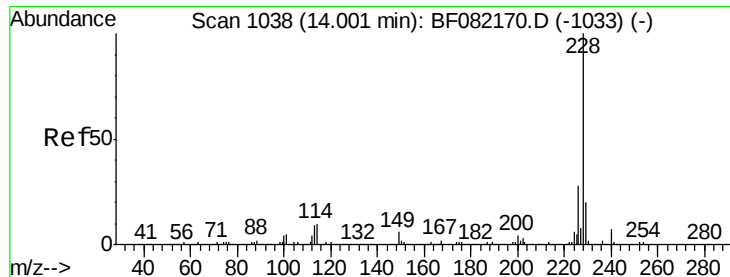
Tgt Ion: 244 Resp: 729291
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 6.8 5.9 8.9



#79
 Butylbenzylphthalate
 Concen: 10.64 ng
 RT: 13.35 min Scan# 981
 Delta R.T. -0.06 min
 Lab File: BF082498.D
 Acq: 24 Oct 2015 7:43

Tgt Ion: 149 Resp: 59370
 Ion Ratio Lower Upper
 149 100
 91 80.9 55.7 83.5
 206 14.6 15.6 23.4#





#80

Benzo(a)anthracene

Concen: 4.45 ng

RT: 13.94 min Scan# 1033

Delta R.T. -0.08 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

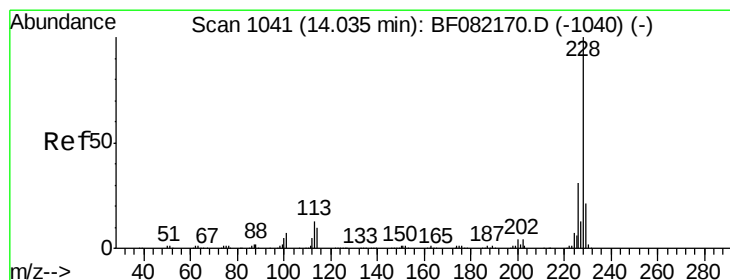
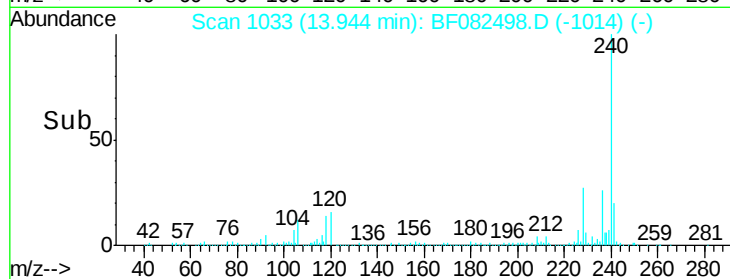
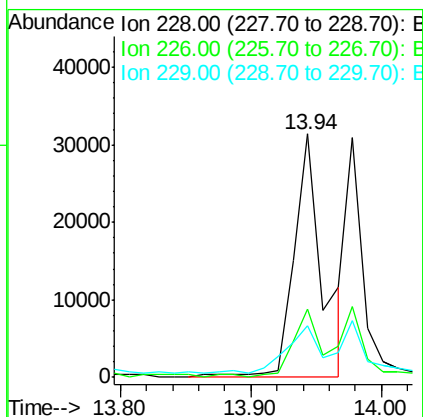
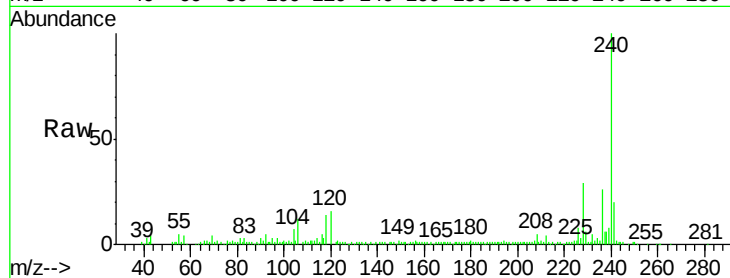
Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

Tgt Ion:	228	Resp:	47729
Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.3	33.5
229	21.4	16.2	24.2



#82

Chrysene

Concen: 4.23 ng

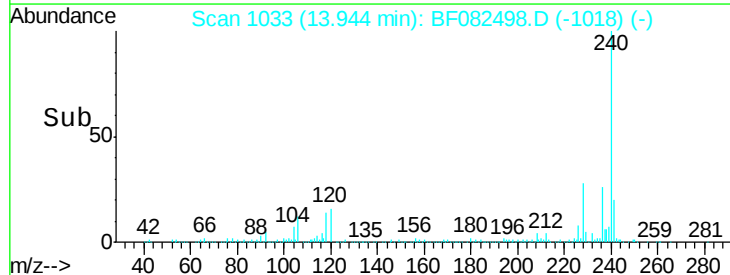
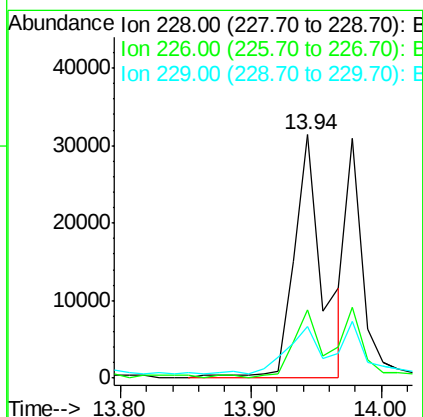
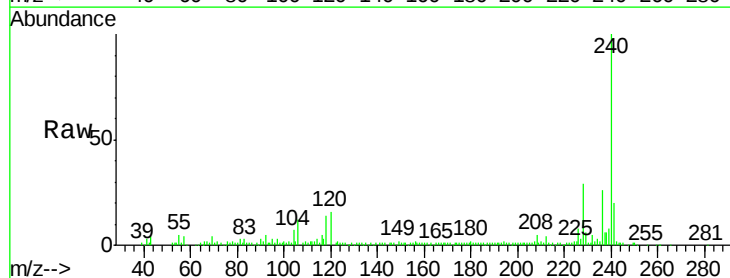
RT: 13.94 min Scan# 1033

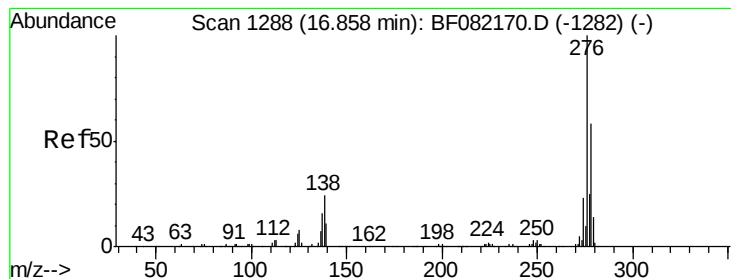
Delta R.T. -0.13 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

Tgt Ion:	228	Resp:	47729
Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.4	36.6
229	21.4	16.3	24.5





#85

Indeno(1,2,3-cd)pyrene

Concen: 2.27 ng

RT: 16.84 min Scan# 1286

Delta R.T. -0.19 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

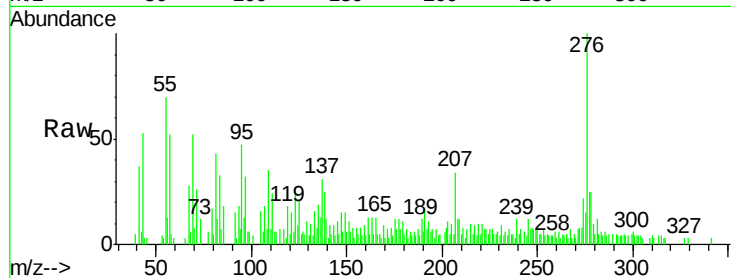
Tgt Ion:276 Resp: 20359

Ion Ratio Lower Upper

276 100

138 22.1 19.7 29.5

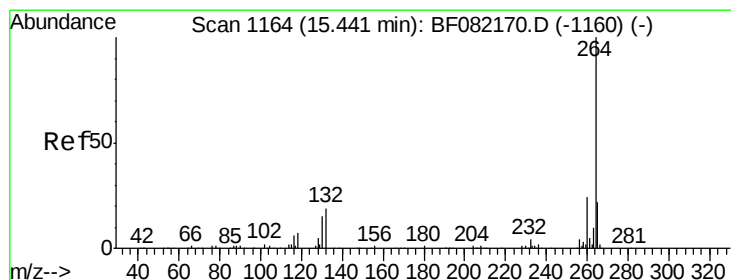
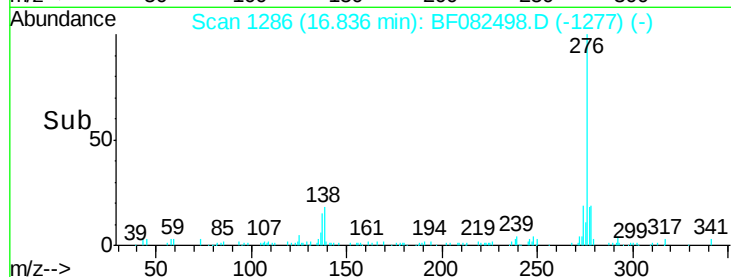
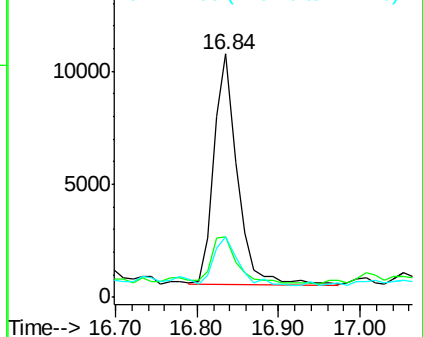
277 23.2 20.1 30.1



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: 15.44 min Scan# 1164

Delta R.T. -0.18 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

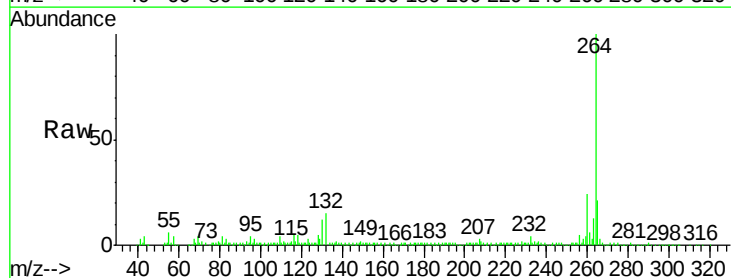
Tgt Ion:264 Resp: 203241

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

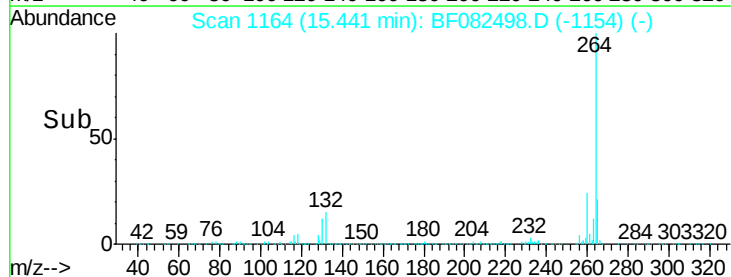
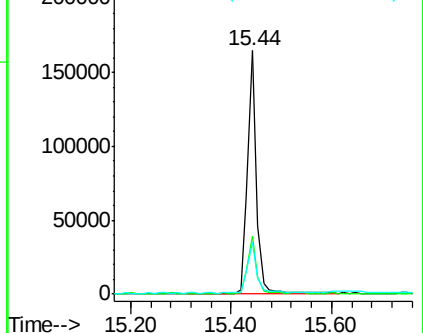
265 21.4 17.3 25.9

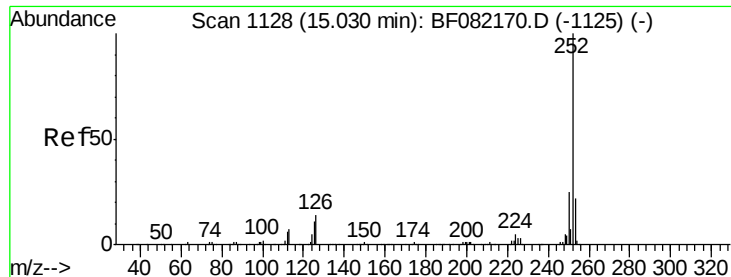


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

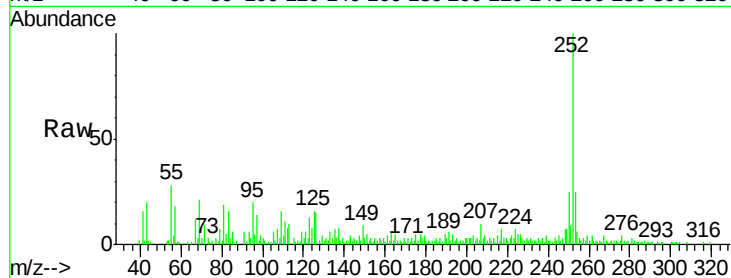




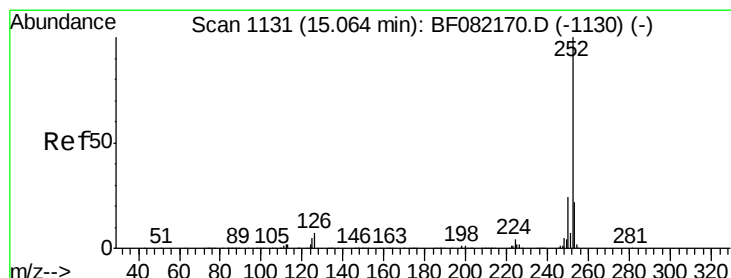
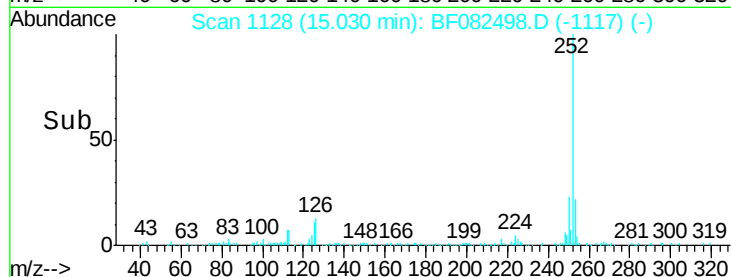
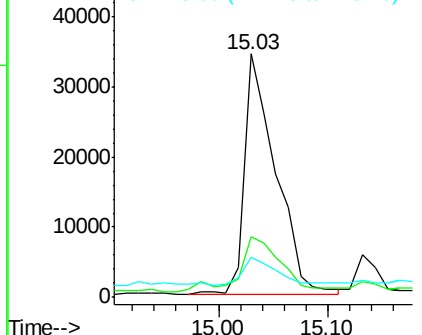
#87
Benzo(b)fluoranthene
Concen: 5.50 ng
RT: 15.03 min Scan# 1128
Delta R.T. -0.17 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

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

Tgt Ion:252 Resp: 68042
Ion Ratio Lower Upper
252 100
253 24.7 18.0 27.0
125 16.3 8.6 12.8#

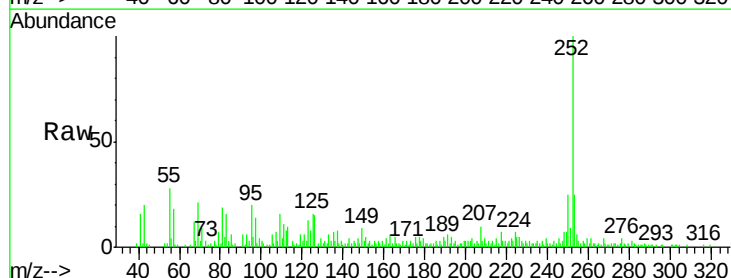


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

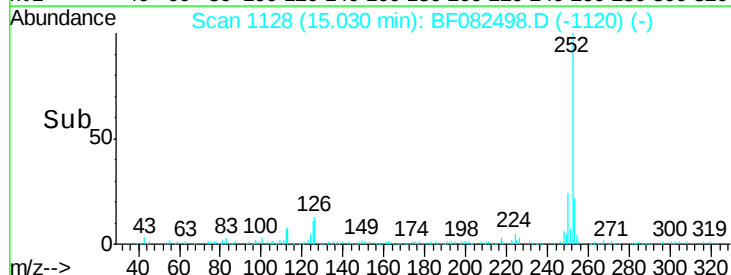
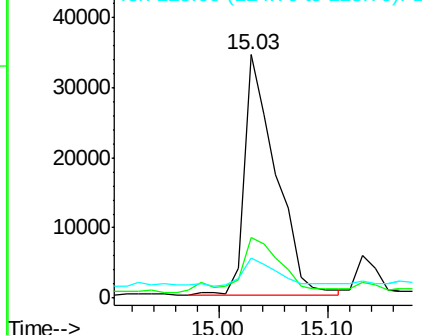


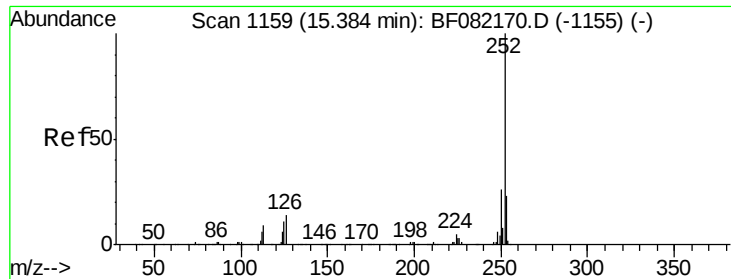
#88
Benzo(k)fluoranthene
Concen: 6.55 ng
RT: 15.03 min Scan# 1128
Delta R.T. -0.21 min
Lab File: BF082498.D
Acq: 24 Oct 2015 7:43

Tgt Ion:252 Resp: 68042
Ion Ratio Lower Upper
252 100
253 24.7 17.8 26.6
125 16.3 6.7 10.1#



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





#89

Benzo(a)pyrene

Concen: 3.22 ng

RT: 15.38 min Scan# 1159

Delta R.T. -0.18 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

Instrument :

BNA_F

ClientSampleId :

BRIDGE-14-01(0-2)

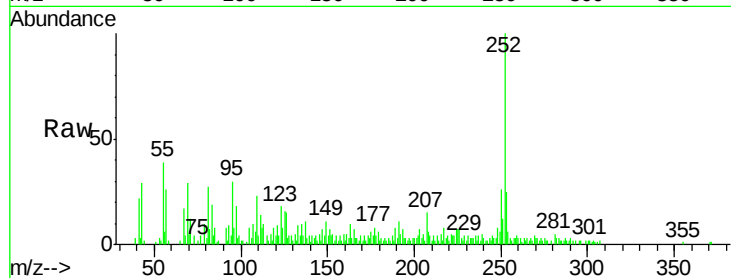
Tgt Ion:252 Resp: 34228

Ion Ratio Lower Upper

252 100

253 24.8 18.2 27.2

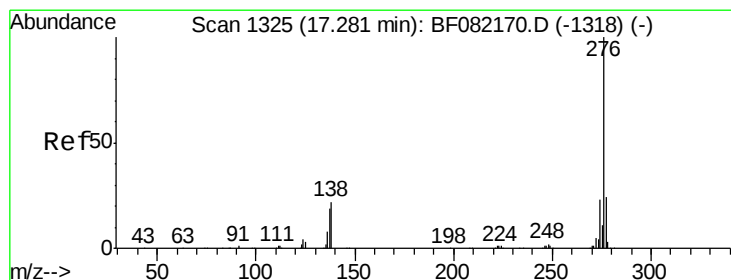
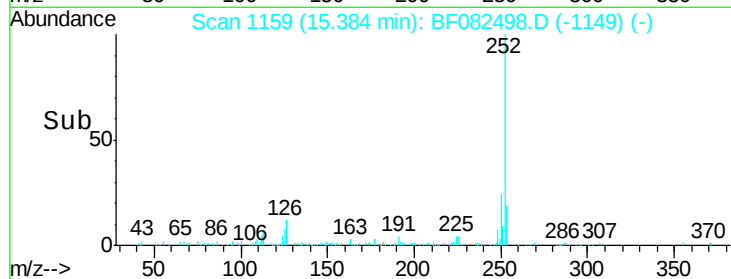
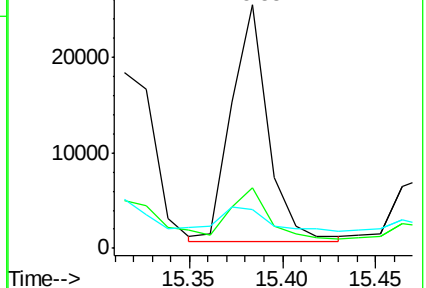
125 15.9 8.9 13.3#



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: 2.54 ng

RT: 17.26 min Scan# 1323

Delta R.T. -0.21 min

Lab File: BF082498.D

Acq: 24 Oct 2015 7:43

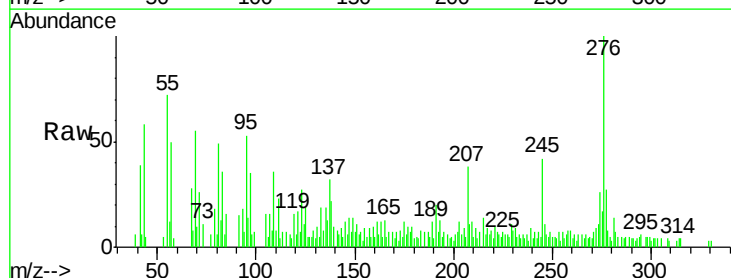
Tgt Ion:276 Resp: 21498

Ion Ratio Lower Upper

276 100

277 26.7 18.8 28.2

138 22.1 17.4 26.2



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

