

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF031416\
 Data File : BF085442.D
 Acq On : 14 Mar 2016 21:26
 Operator : UM/SJ
 Sample : H1722-08RE
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-28(0.5-2.5)

Quant Time: Mar 15 01:02:56 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF030316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 04 00:54:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	187933	20.00	ng	-0.06
21) Naphthalene-d8	8.21	136	751432	20.00	ng	-0.06
38) Acenaphthene-d10	9.97	164	343422	20.00	ng	-0.06
63) Phenanthrene-d10	11.45	188	584641	20.00	ng	-0.06
75) Chrysene-d12	14.08	240	317891	20.00	ng	-0.07
86) Perylene-d12	15.55	264	319502	20.00	ng	-0.07

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	1239961	110.67	ng	-0.05
7) Phenol-d6	6.56	99	1821152	124.07	ng	-0.05
23) Nitrobenzene-d5	7.49	82	984953	70.14	ng	-0.06
41) 2,4,6-Tribromophenol	10.76	330	354441	120.62	ng	-0.06
44) 2-Fluorobiphenyl	9.29	172	1628063	72.10	ng	-0.06
78) Terphenyl-d14	13.03	244	1109437	81.02	ng	-0.06

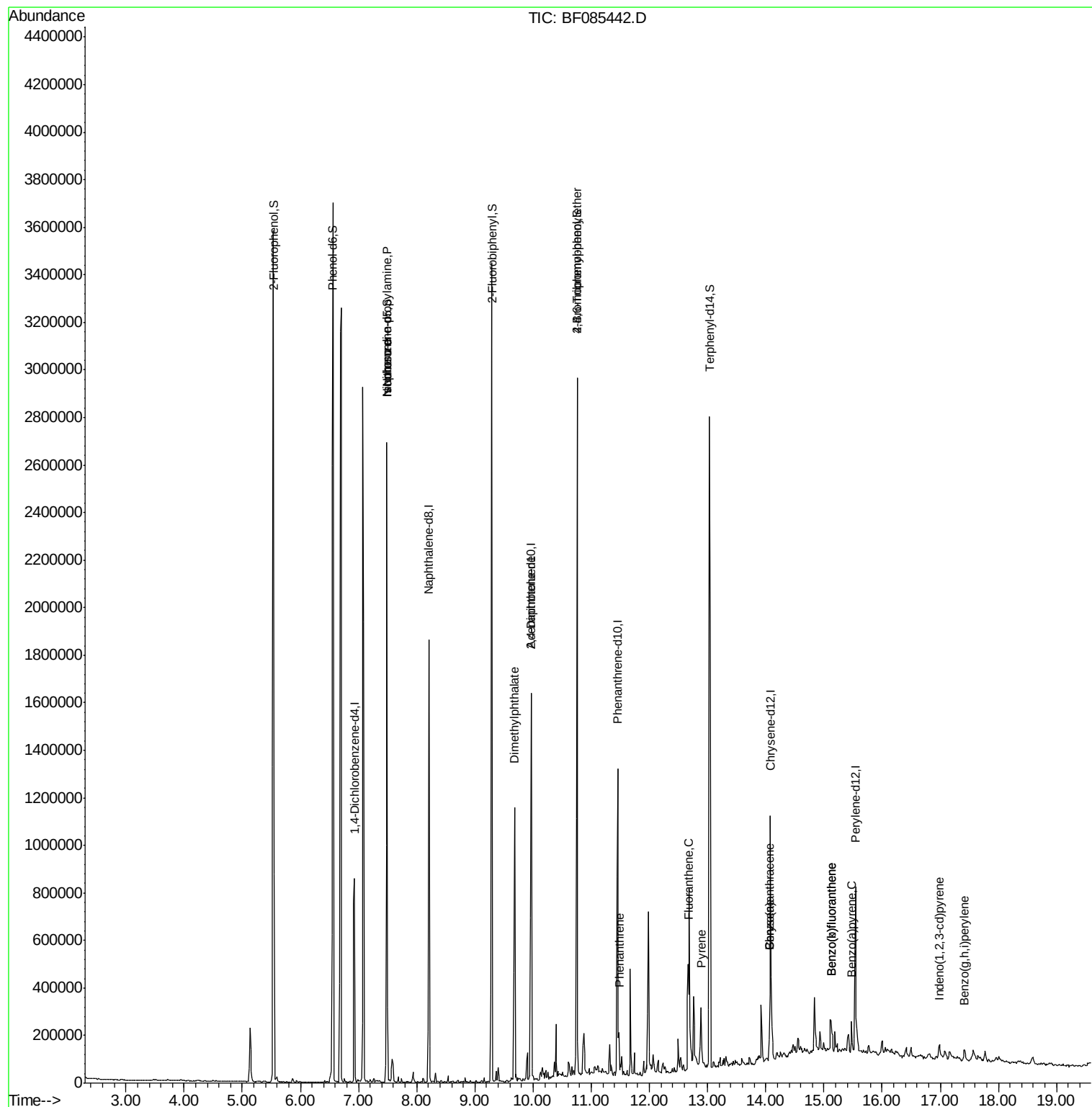
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.56	77	2568	Below Cal		# 2
19) n-Nitroso-di-n-propylamine	7.49	70	132117	13.81	ng	# 78
25) Isophorone	7.49	82	723385	27.80	ng	# 67
49) Dimethylphthalate	9.68	163	509444	19.33	ng	99
56) 2,4-Dinitrotoluene	9.97	165	45331	6.28	ng	# 22
66) 4-Bromophenyl-phenylether	10.76	248	25234	4.45	ng	# 1
70) Phenanthrene	11.48	178	90778	2.96	ng	97
74) Fluoranthene	12.66	202	169675	5.52	ng	93
77) Pyrene	12.89	202	150059	6.27	ng	97
80) Benzo(a)anthracene	14.07	228	74930	3.94	ng	99
82) Chrysene	14.07	228	74930	4.26	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	35778	2.61	ng	# 88
87) Benzo(b)fluoranthene	15.12	252	104272	4.90	ng	97
88) Benzo(k)fluoranthene	15.12	252	104272	6.07	ng	97
89) Benzo(a)pyrene	15.48	252	57378	3.25	ng	# 96
91) Benzo(g,h,i)perylene	17.42	276	38813	2.56	ng	94

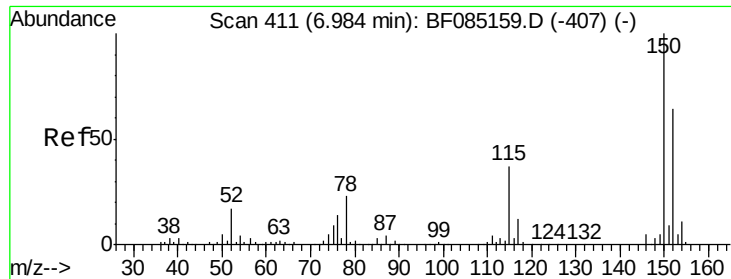
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.93 min Scan# 406

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

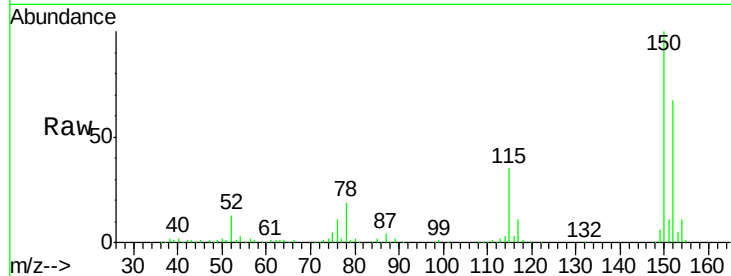
Tgt Ion:152 Resp: 187933

Ion Ratio Lower Upper

152 100

150 150.1 124.6 186.8

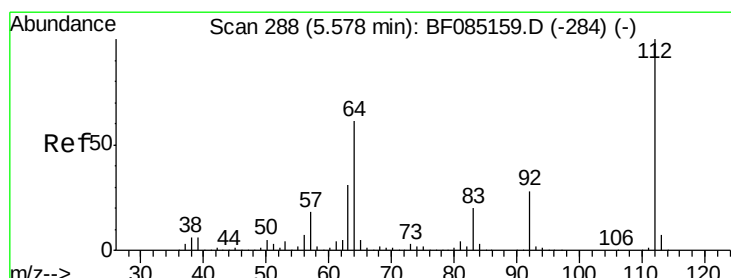
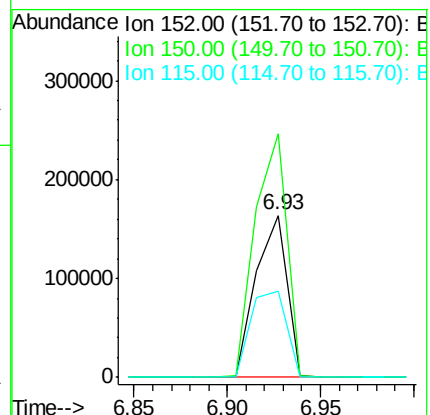
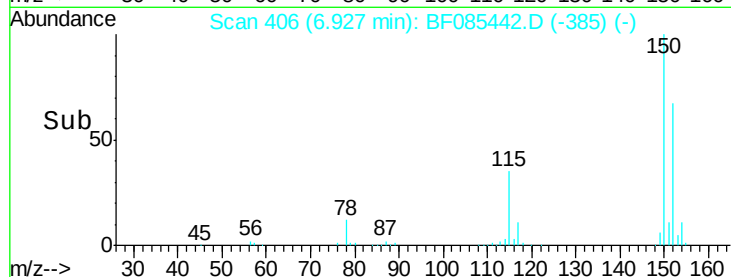
115 52.9 46.6 70.0



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: 110.67 ng

RT: 5.53 min Scan# 284

Delta R.T. -0.05 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

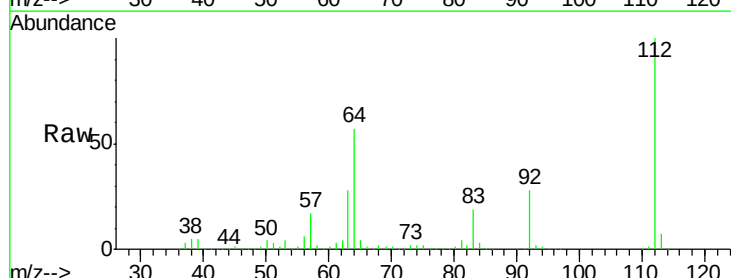
Tgt Ion:112 Resp: 1239961

Ion Ratio Lower Upper

112 100

64 56.6 49.0 73.4

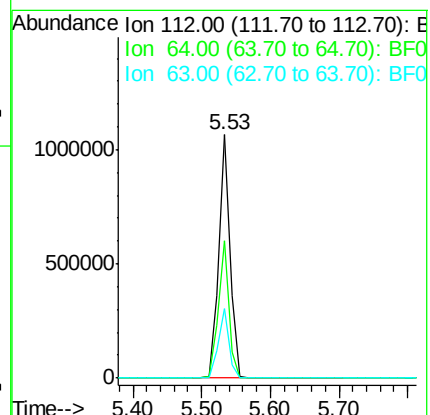
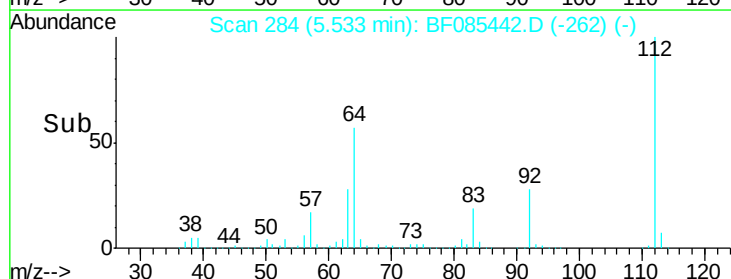
63 28.5 24.8 37.2

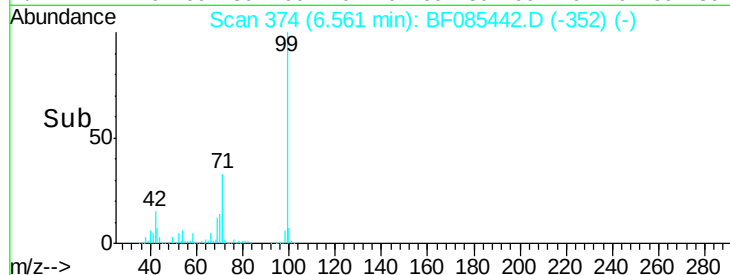
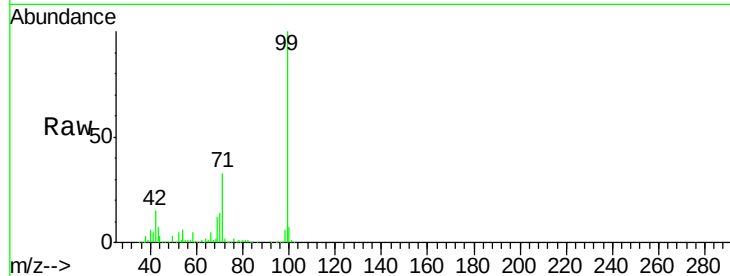
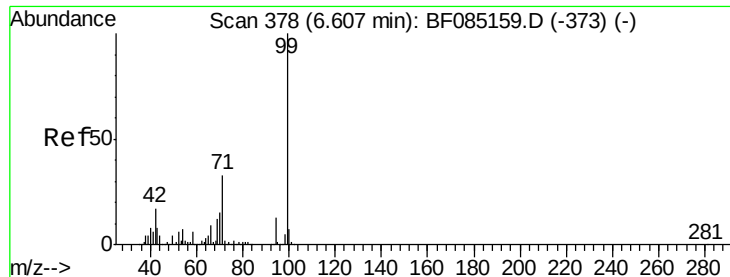


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 124.07 ng

RT: 6.56 min Scan# 374

Delta R.T. -0.05 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

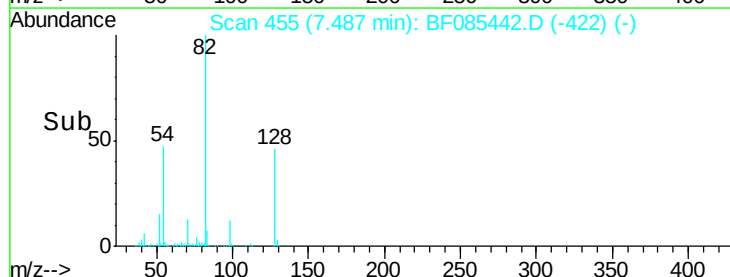
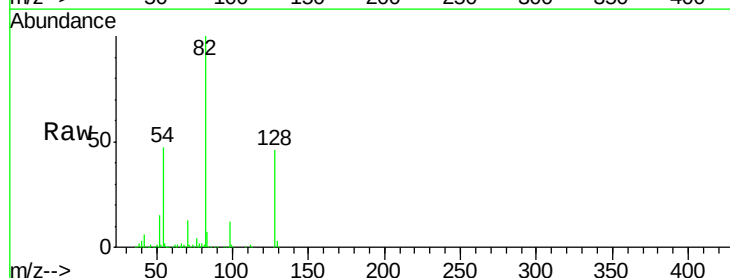
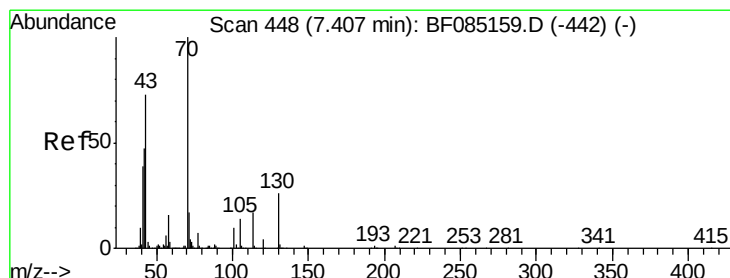
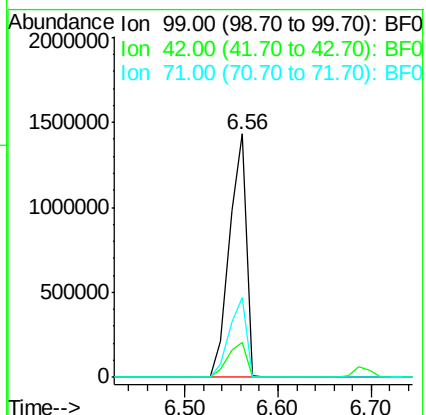
Tgt Ion: 99 Resp: 1821152

Ion Ratio Lower Upper

99 100

42 14.6 13.6 20.4

71 32.6 26.7 40.1



#19

n-Nitroso-di-n-propylamine

Concen: 13.81 ng

RT: 7.49 min Scan# 455

Delta R.T. 0.08 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Tgt Ion: 70 Resp: 132117

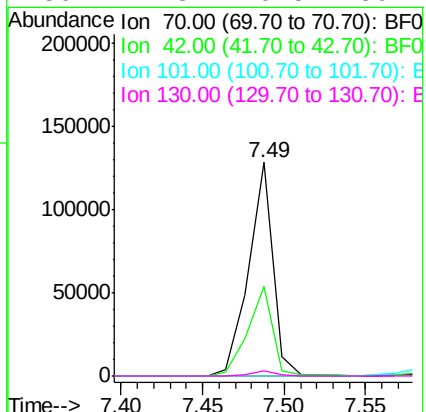
Ion Ratio Lower Upper

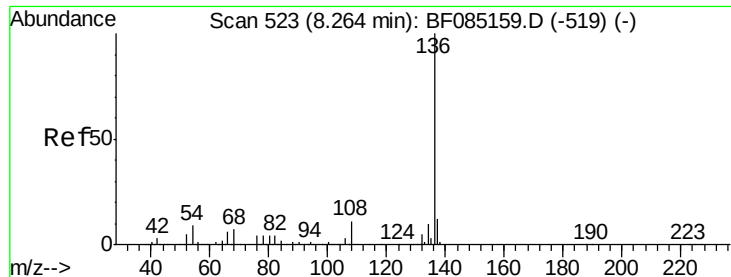
70 100

42 42.2 37.7 56.5

101 0.0 8.2 12.4#

130 2.3 20.5 30.7#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.21 min Scan# 518

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

Tgt Ion:136 Resp: 751432

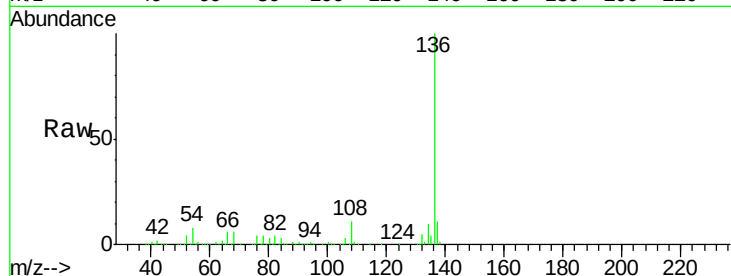
Ion Ratio Lower Upper

136 100

137 11.4 9.3 13.9

54 7.6 7.4 11.2

68 6.5 6.0 9.0

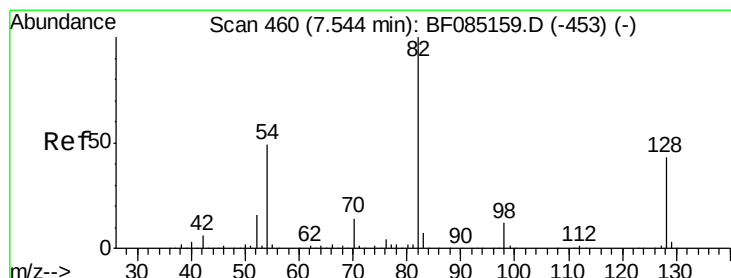
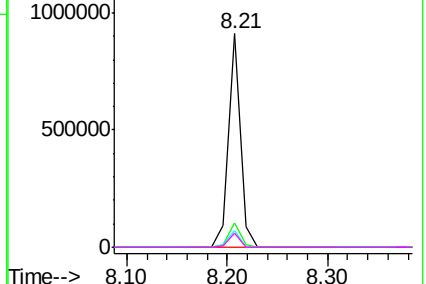
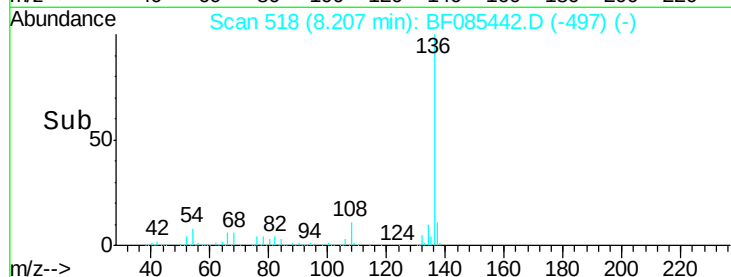


Abundance Ion 136.00 (135.70 to 136.70): E

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: 70.14 ng

RT: 7.49 min Scan# 455

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

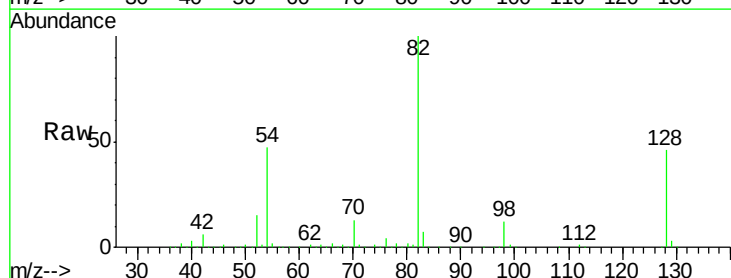
Tgt Ion: 82 Resp: 984953

Ion Ratio Lower Upper

82 100

128 45.6 34.5 51.7

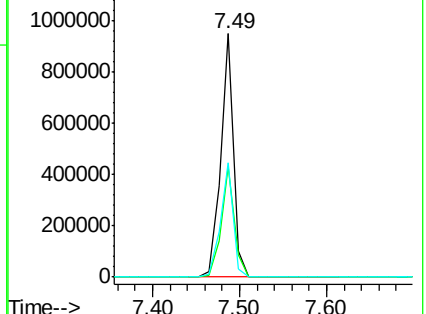
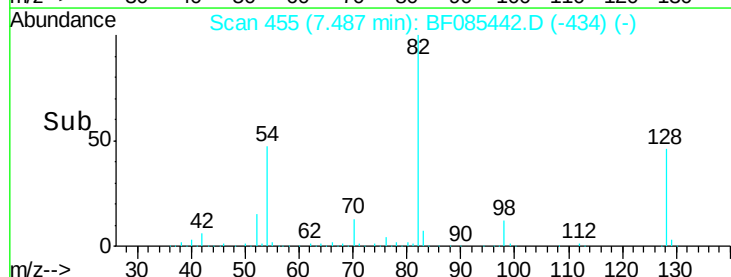
54 47.0 39.3 58.9

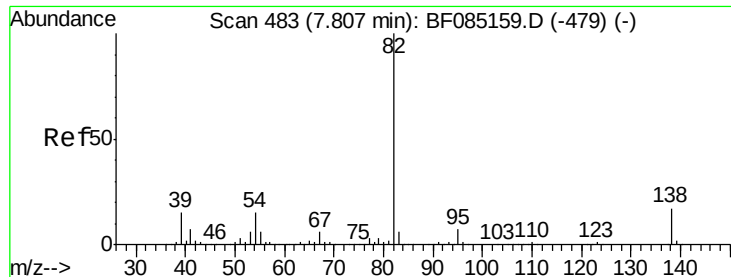


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 27.80 ng

RT: 7.49 min Scan# 455

Delta R.T. -0.32 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

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W170TH-SB-28(0.5-2.5)

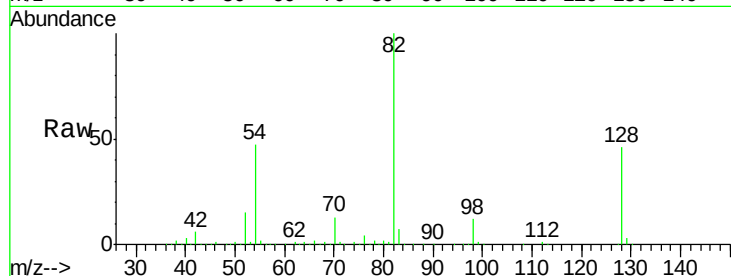
Tgt Ion: 82 Resp: 723385

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

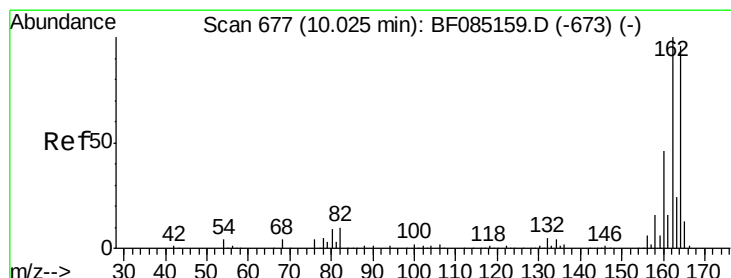
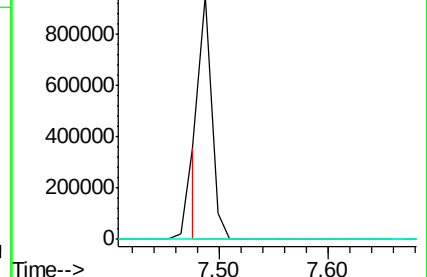
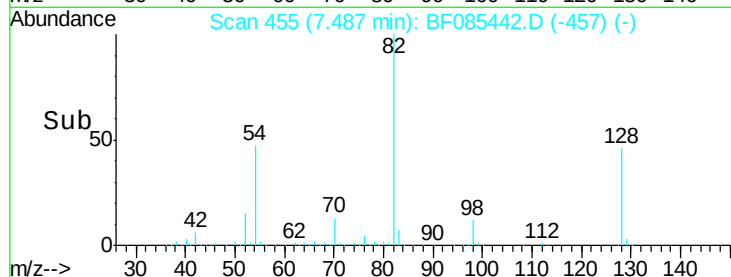
138 0.0 13.3 19.9#



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: 9.97 min Scan# 672

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

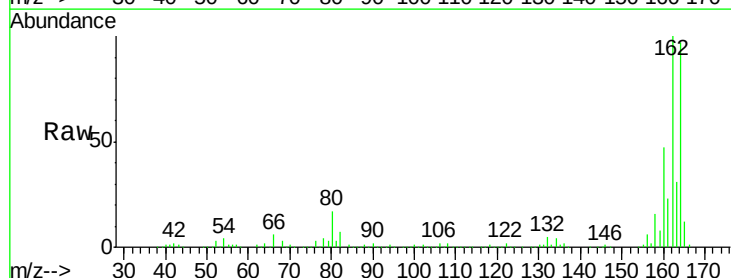
Tgt Ion: 164 Resp: 343422

Ion Ratio Lower Upper

164 100

162 103.4 83.3 124.9

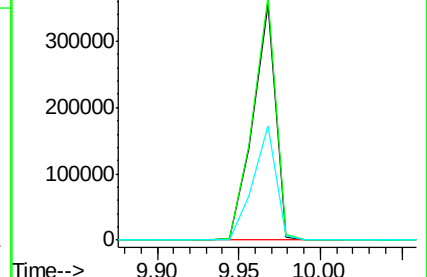
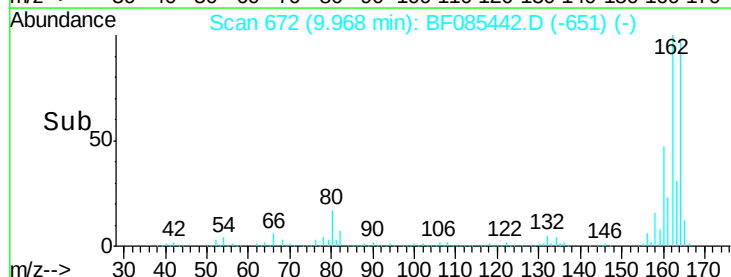
160 48.6 37.9 56.9

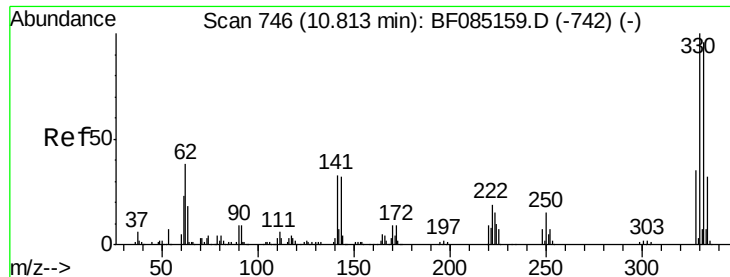


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

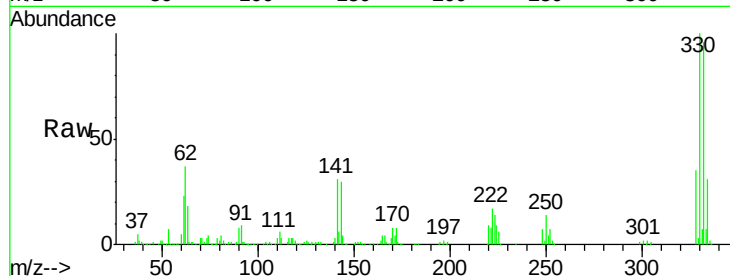




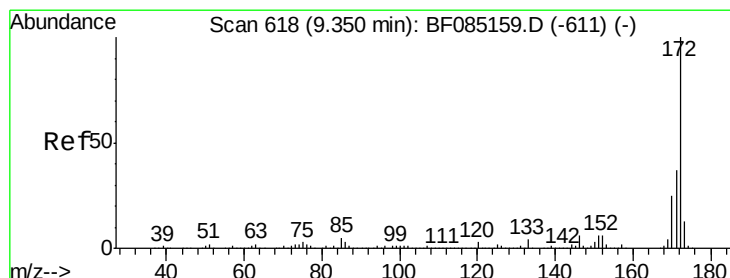
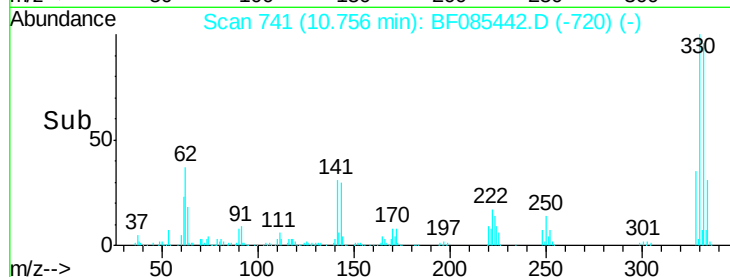
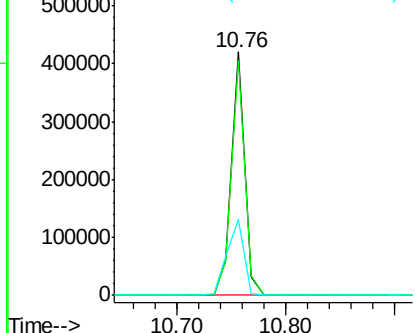
#41
 2,4,6-Tribromophenol
 Concen: 120.62 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.06 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-28(0.5-2.5)

Tgt Ion:330 Resp: 354441
 Ion Ratio Lower Upper
 330 100
 332 96.7 77.1 115.7
 141 40.0 35.0 52.6

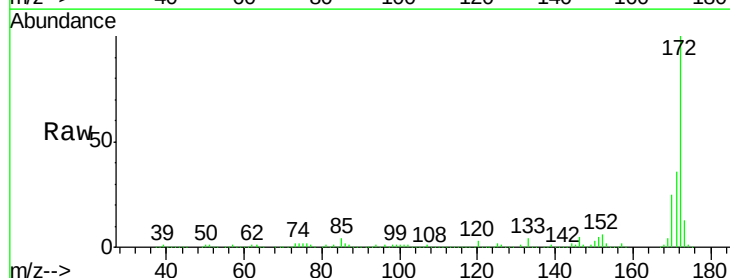


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

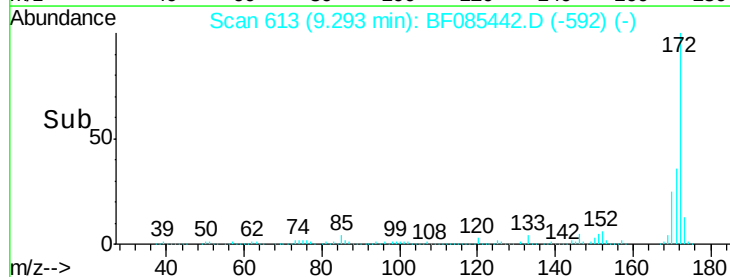
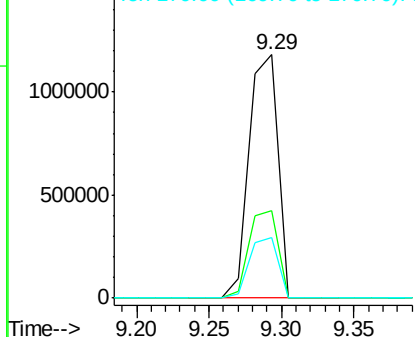


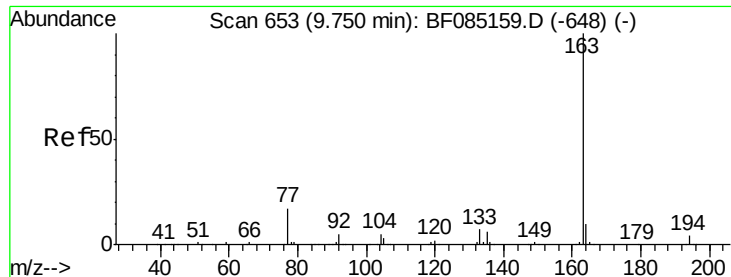
#44
 2-Fluorobiphenyl
 Concen: 72.10 ng
 RT: 9.29 min Scan# 613
 Delta R.T. -0.06 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Tgt Ion:172 Resp: 1628063
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.3 43.9
 170 24.8 20.0 30.0



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: 19.33 ng

RT: 9.68 min Scan# 647

Delta R.T. -0.07 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

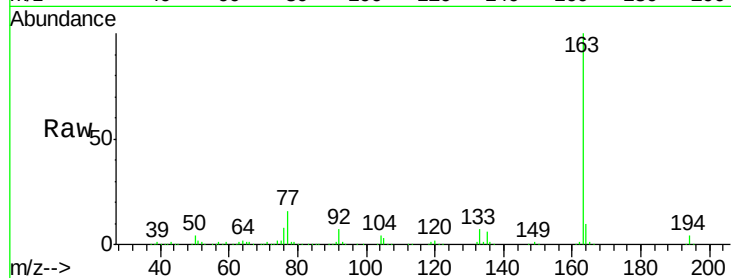
Tgt Ion:163 Resp: 509444

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

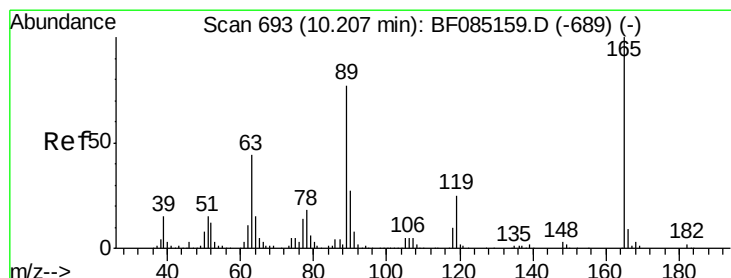
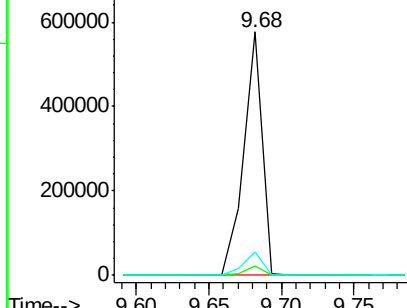
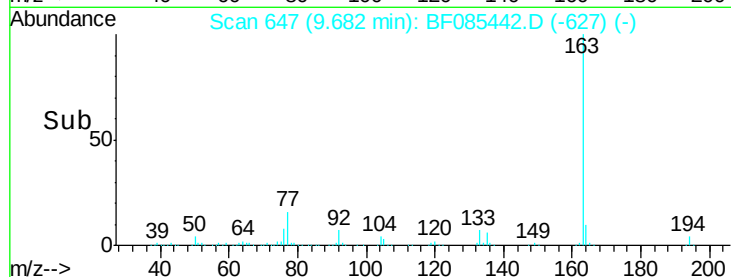
164 9.8 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 6.28 ng

RT: 9.97 min Scan# 672

Delta R.T. -0.24 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Tgt Ion:165 Resp: 45331

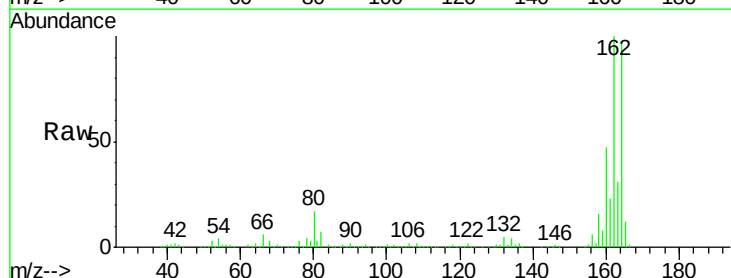
Ion Ratio Lower Upper

165 100

63 1.4 35.4 53.0#

89 1.8 61.9 92.9#

182 0.0 1.9 2.9#

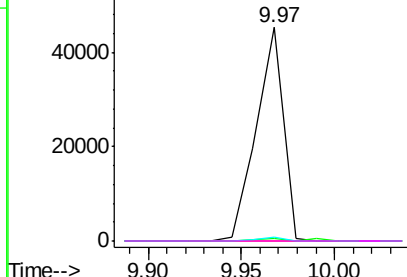
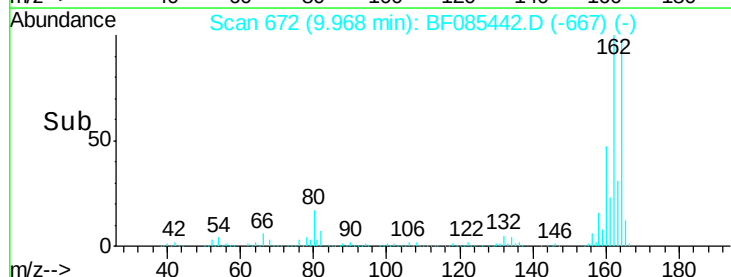


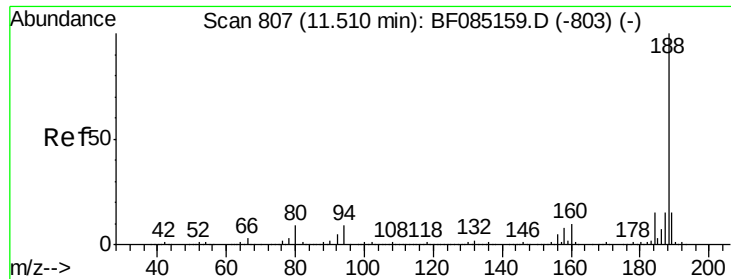
Abundance Ion 165.00 (164.70 to 165.70): E

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

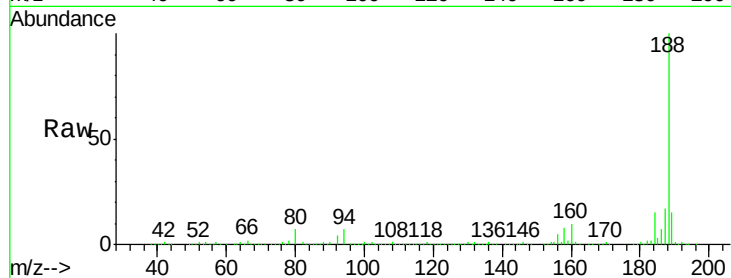




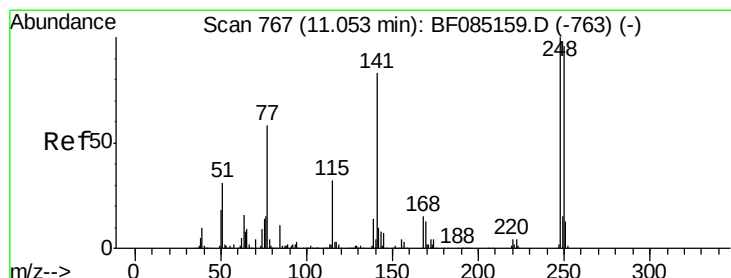
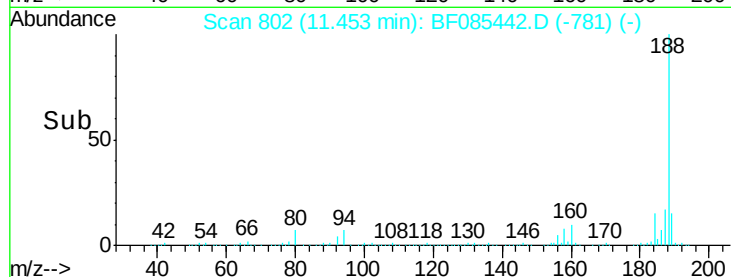
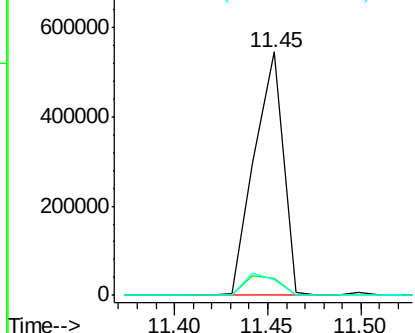
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.45 min Scan# 802
 Delta R.T. -0.06 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Instrument :
 BNA_F
 ClientSampleId :
 W170TH-SB-28(0.5-2.5)

Tgt Ion:188 Resp: 584641
 Ion Ratio Lower Upper
 188 100
 94 6.9 7.0 10.6#
 80 6.6 7.4 11.0#

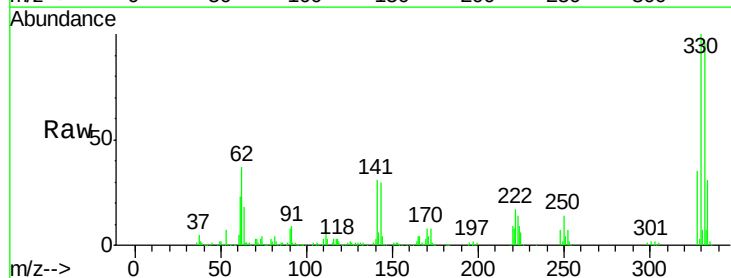


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

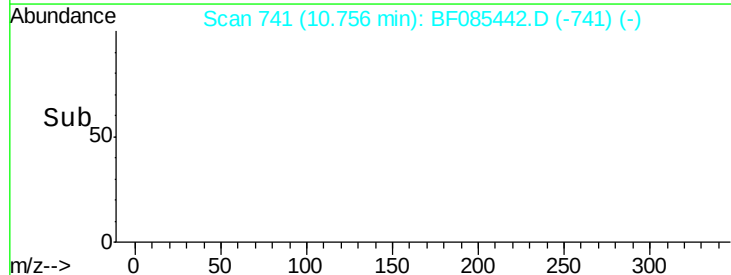
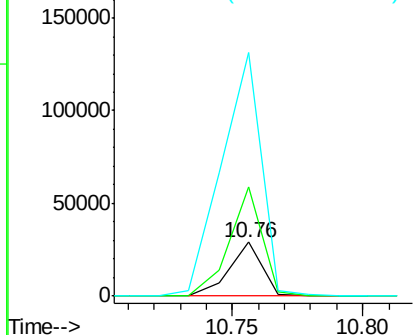


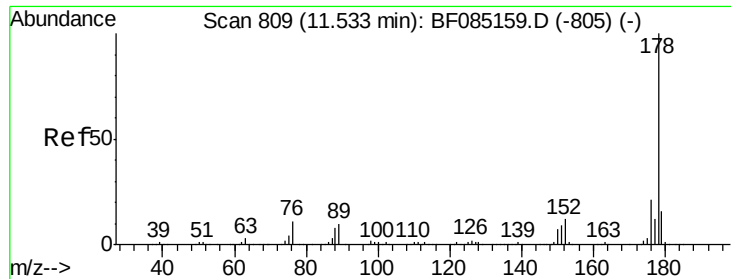
#66
 4-Bromophenyl-phenylether
 Concen: 4.45 ng
 RT: 10.76 min Scan# 741
 Delta R.T. -0.30 min
 Lab File: BF085442.D
 Acq: 14 Mar 2016 21:26

Tgt Ion:248 Resp: 25234
 Ion Ratio Lower Upper
 248 100
 250 203.1 77.1 115.7#
 141 452.5 66.2 99.2#



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: 2.96 ng

RT: 11.48 min Scan# 804

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

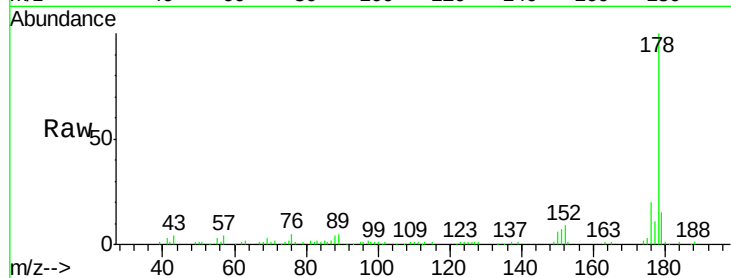
Tgt Ion:178 Resp: 90778

Ion Ratio Lower Upper

178 100

176 19.7 16.8 25.2

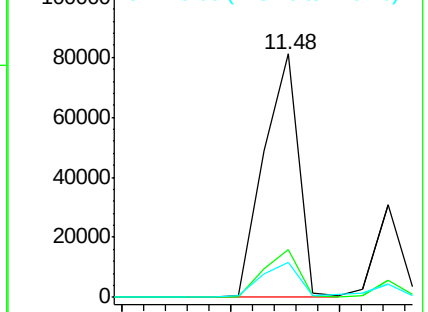
179 14.6 13.1 19.7



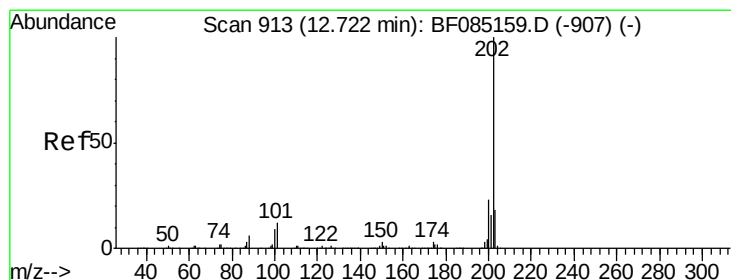
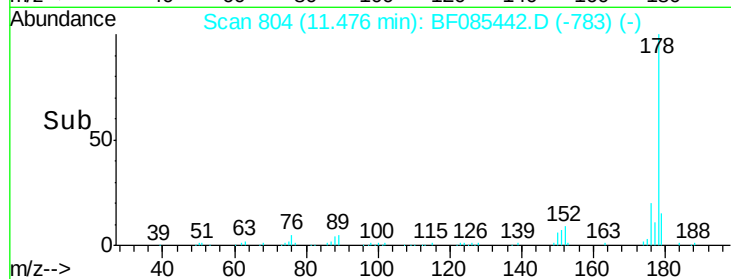
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 11.40 11.45 11.50



#74

Fluoranthene

Concen: 5.52 ng

RT: 12.66 min Scan# 908

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

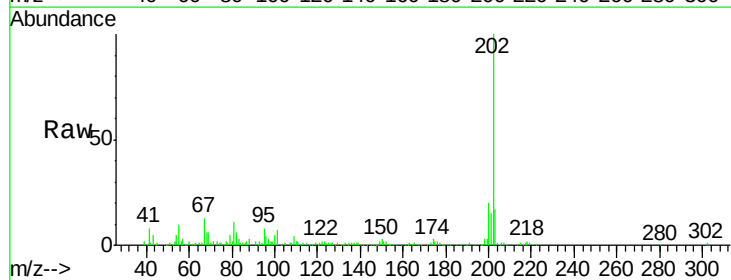
Tgt Ion:202 Resp: 169675

Ion Ratio Lower Upper

202 100

101 7.1 0.0 31.8

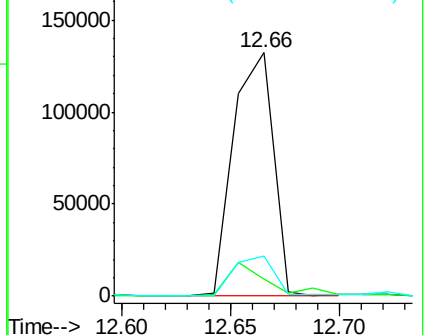
203 16.5 0.0 38.4



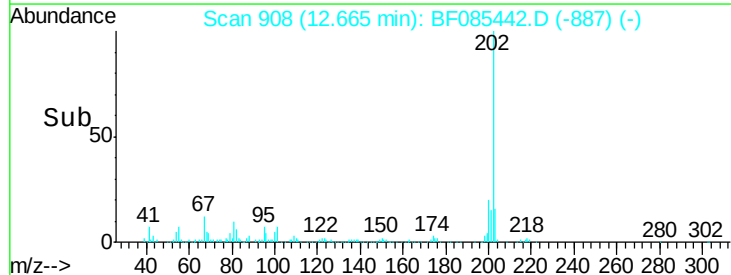
Abundance Ion 202.00 (201.70 to 202.70): E

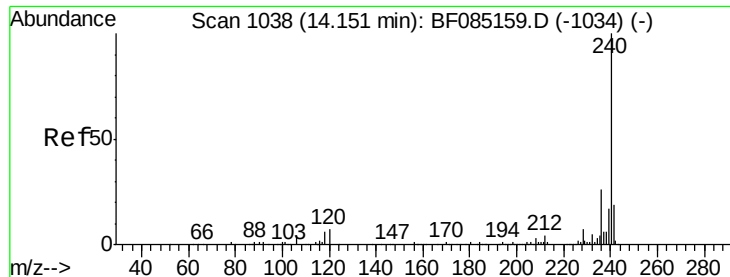
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 12.60 12.65 12.70





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.08 min Scan# 1032

Delta R.T. -0.07 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

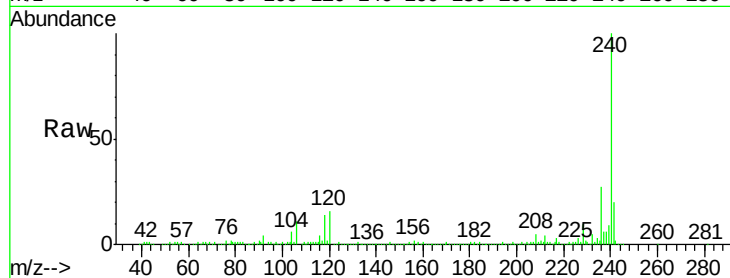
Tgt Ion:240 Resp: 317891

Ion Ratio Lower Upper

240 100

120 16.2 5.3 7.9#

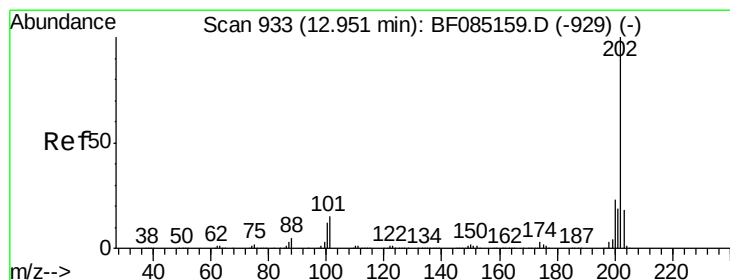
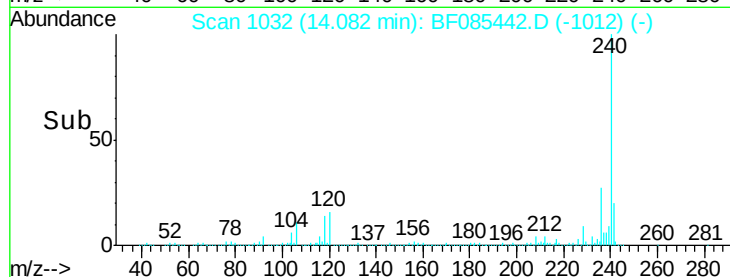
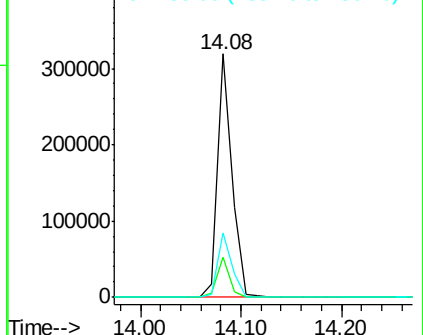
236 26.6 20.7 31.1



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: 6.27 ng

RT: 12.89 min Scan# 928

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

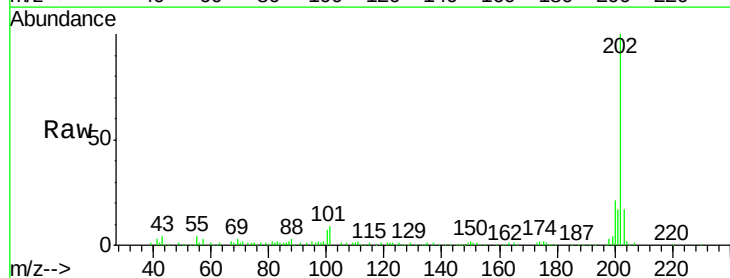
Tgt Ion:202 Resp: 150059

Ion Ratio Lower Upper

202 100

200 21.1 18.2 27.4

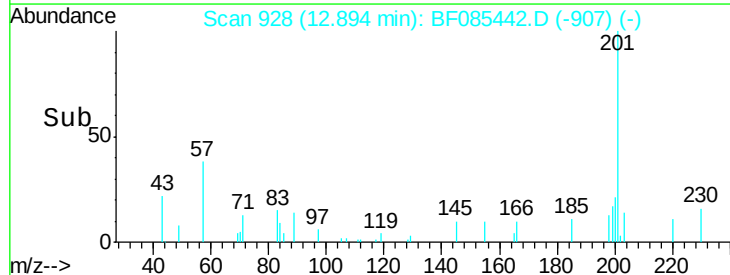
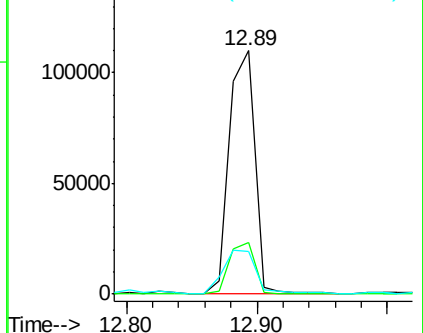
203 17.3 14.7 22.1

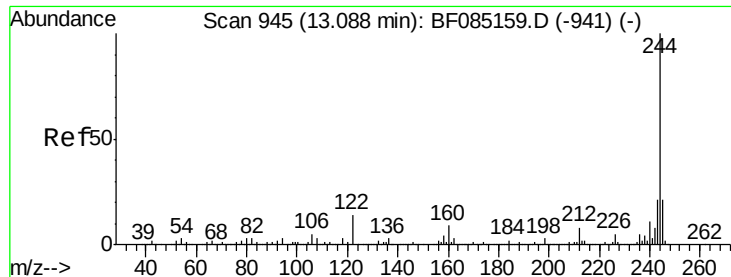


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 81.02 ng

RT: 13.03 min Scan# 940

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

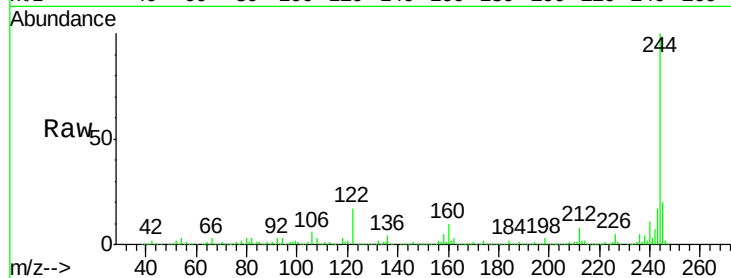
Tgt Ion:244 Resp: 1109437

Ion Ratio Lower Upper

244 100

212 7.8 6.4 9.6

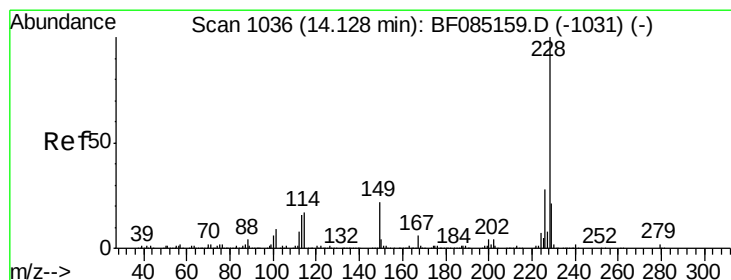
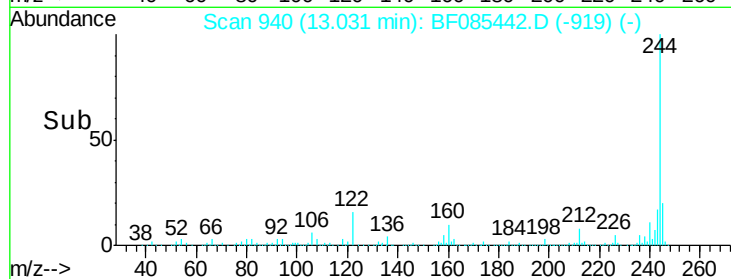
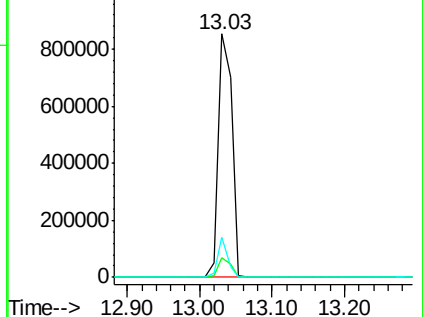
122 16.5 11.4 17.2



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: 3.94 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.06 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

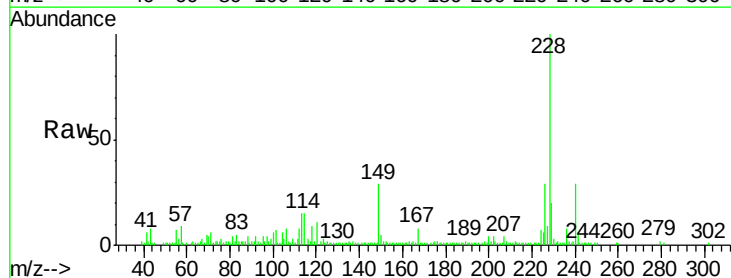
Tgt Ion:228 Resp: 74930

Ion Ratio Lower Upper

228 100

226 29.4 22.8 34.2

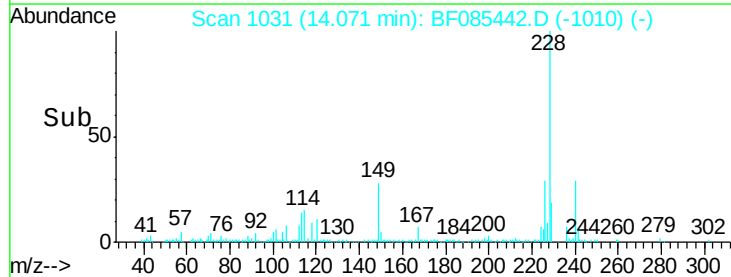
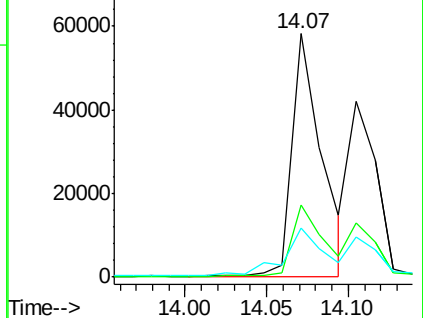
229 20.4 16.6 24.8

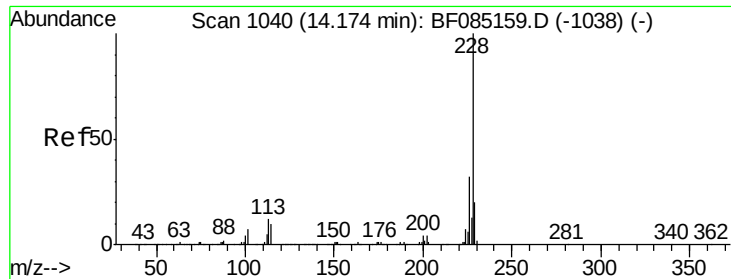


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.26 ng

RT: 14.07 min Scan# 1031

Delta R.T. -0.10 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)

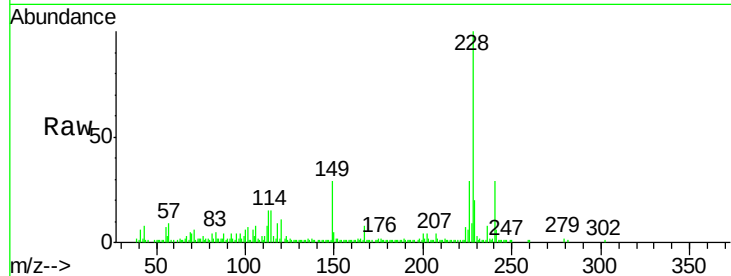
Tgt Ion:228 Resp: 74930

Ion Ratio Lower Upper

228 100

226 29.4 25.2 37.8

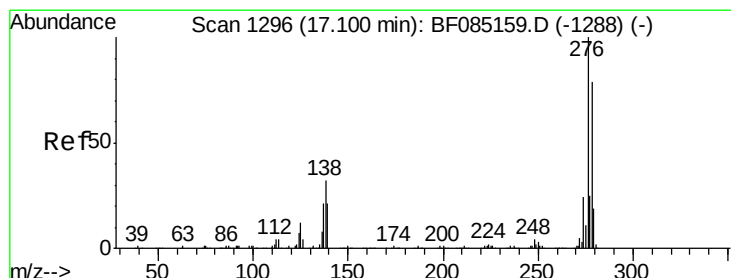
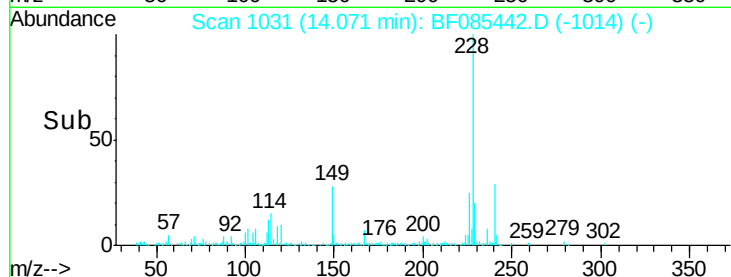
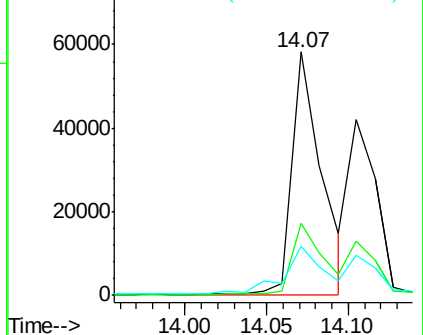
229 20.4 16.0 24.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.61 ng

RT: 16.99 min Scan# 1286

Delta R.T. -0.11 min

Lab File: BF085442.D

Acq: 14 Mar 2016 21:26

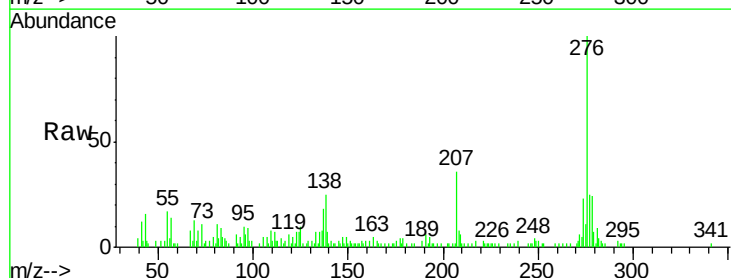
Tgt Ion:276 Resp: 35778

Ion Ratio Lower Upper

276 100

138 29.5 26.4 39.6

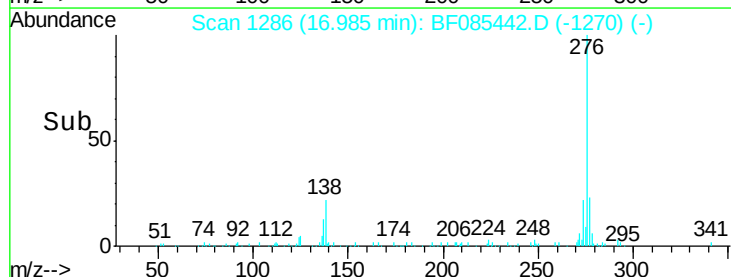
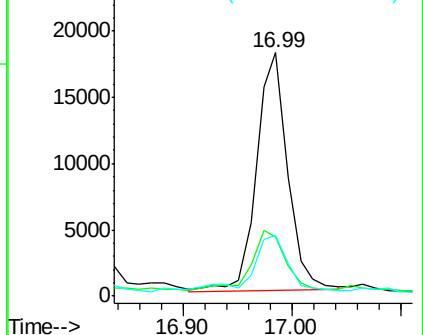
277 34.6 20.2 30.2#

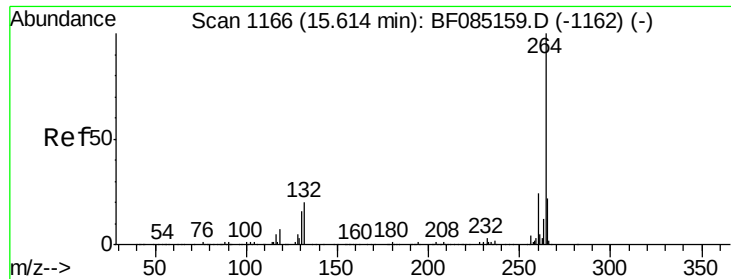


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

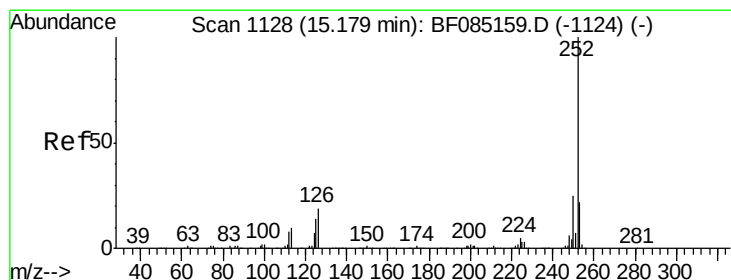
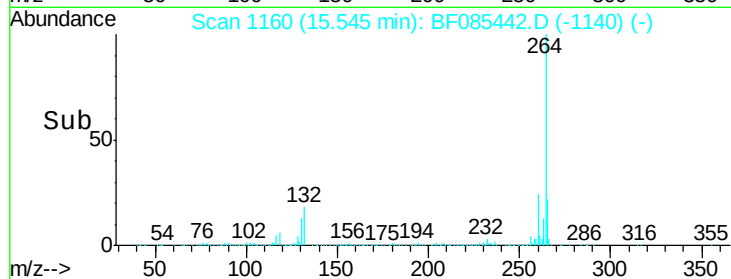
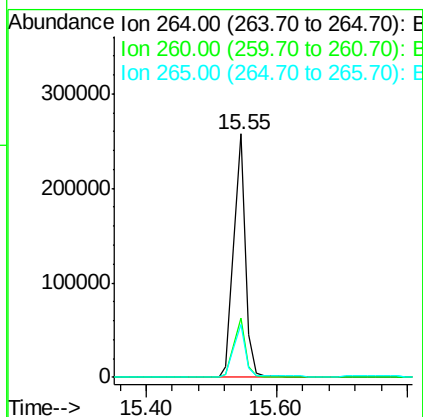
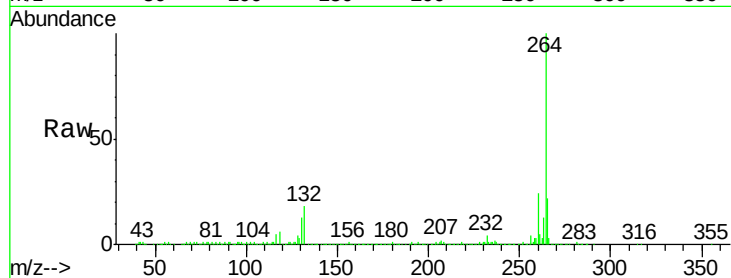




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.55 min Scan# 1160
Delta R.T. -0.07 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

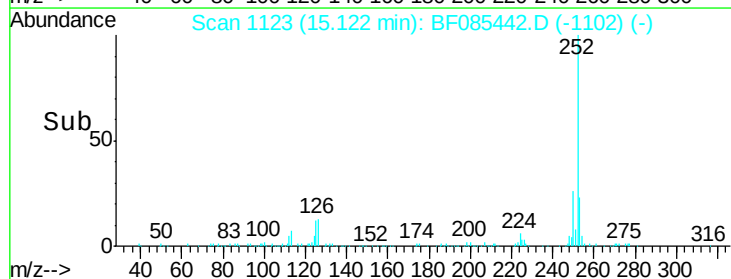
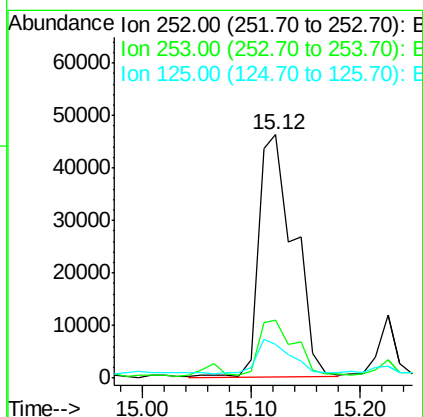
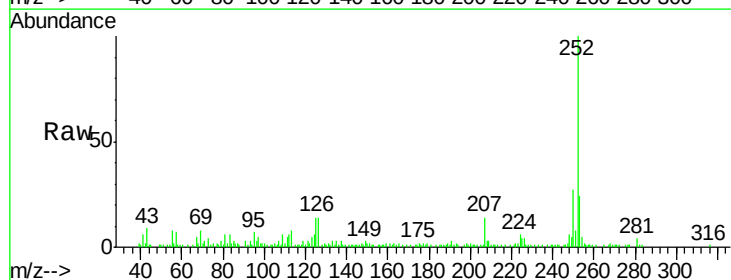
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

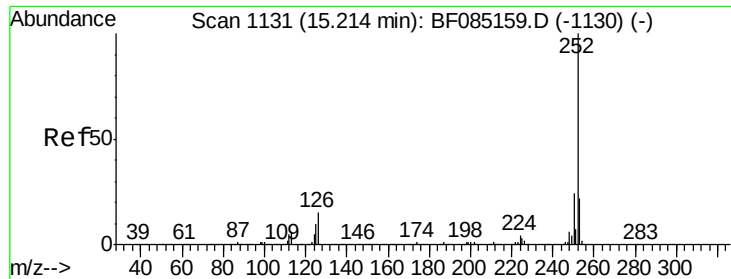
Tgt Ion: 264 Resp: 319502
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 21.8 17.3 25.9



#87
Benzo(b)fluoranthene
Concen: 4.90 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.06 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Tgt Ion: 252 Resp: 104272
Ion Ratio Lower Upper
252 100
253 24.0 17.8 26.6
125 13.6 11.3 16.9

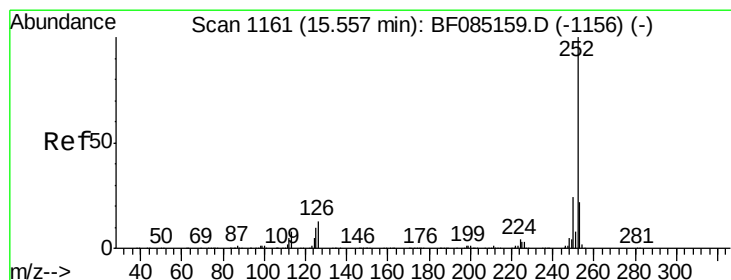
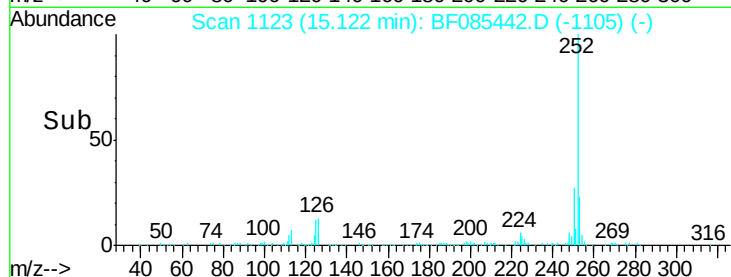
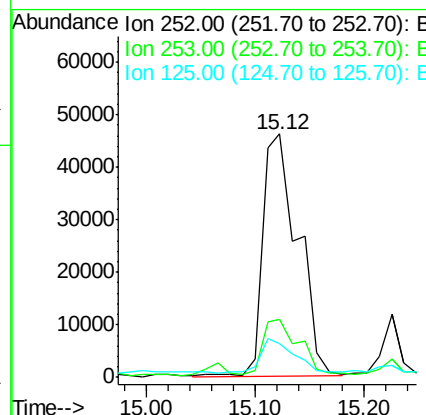
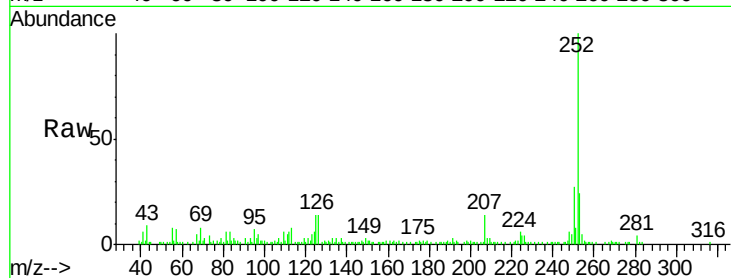




#88
Benzo(k)fluoranthene
Concen: 6.07 ng
RT: 15.12 min Scan# 1123
Delta R.T. -0.09 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

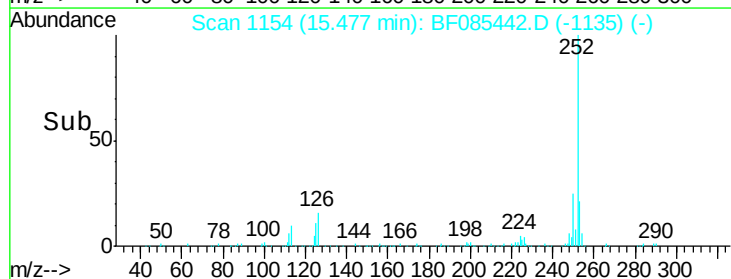
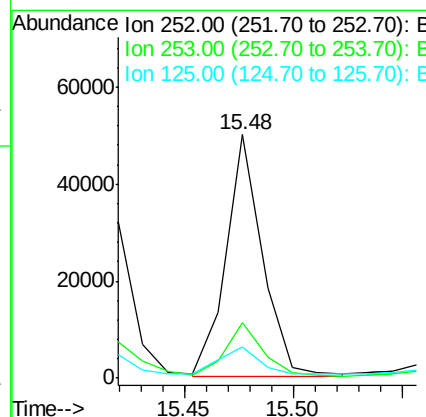
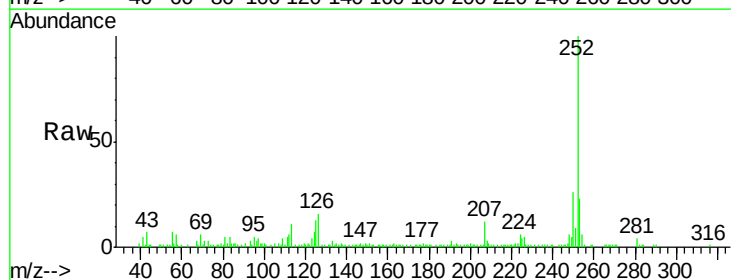
Instrument :
BNA_F
ClientSampleId :
W170TH-SB-28(0.5-2.5)

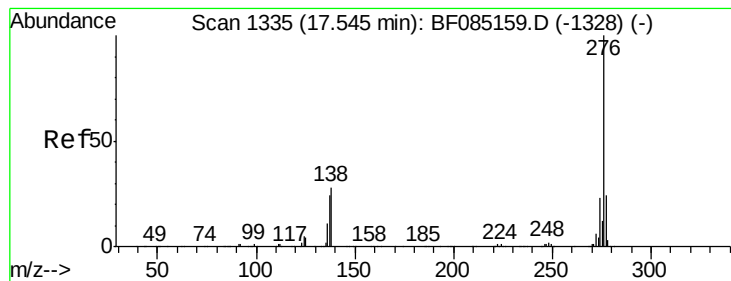
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.8	26.6
125	13.6	10.4	15.6



#89
Benzo(a)pyrene
Concen: 3.25 ng
RT: 15.48 min Scan# 1154
Delta R.T. -0.08 min
Lab File: BF085442.D
Acq: 14 Mar 2016 21:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.0
125	12.6	8.2	12.4





#91

Benzo(g,h,i)perylene

Concen: 2.56 ng

RT: 17.42 min Scan# 1324

Delta R.T. -0.13 min

Lab File: BF085442.D

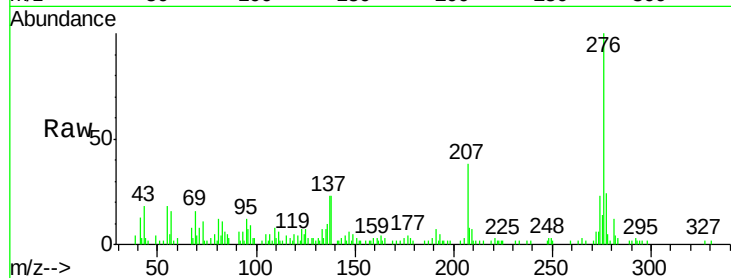
Acq: 14 Mar 2016 21:26

Instrument :

BNA_F

ClientSampleId :

W170TH-SB-28(0.5-2.5)



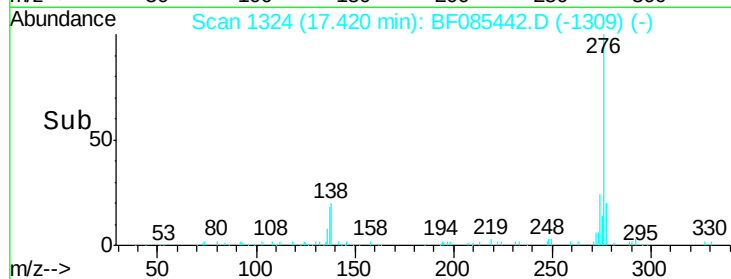
Tgt Ion: 276 Resp: 38813

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 22.8 22.5 33.7



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

