

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF061215\
 Data File : BF079969.D
 Acq On : 13 Jun 2015 10:10
 Operator : TP/IZ
 Sample : G2599-04
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W4-8.5-9

Quant Time: Jun 15 00:57:06 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 12 22:57:49 2015
 Response via : Initial Calibration

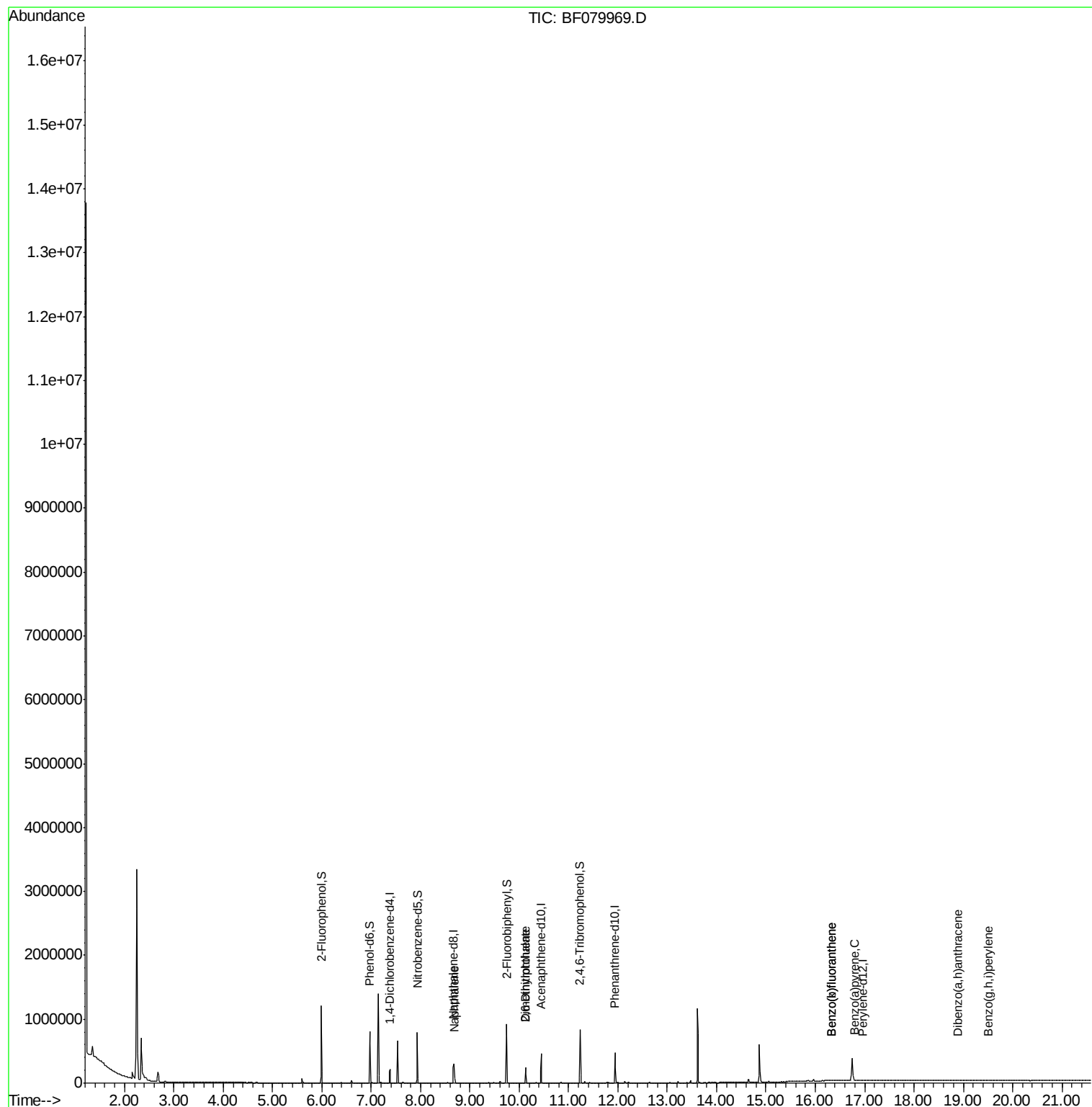
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	47404	20.00	ng	0.00
21) Naphthalene-d8	8.67	136	184532	20.00	ng	0.00
38) Acenaphthene-d10	10.44	164	99515	20.00	ng	0.00
63) Phenanthrene-d10	11.94	188	207101	20.00	ng	-0.03
75) Chrysene-d12	0.00	240	0	0.00	ng	-15.14
86) Perylene-d12	16.96	264	209	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.99	112	292123	113.00	ng	0.00
7) Phenol-d6	6.97	99	372633	105.80	ng	0.00
23) Nitrobenzene-d5	7.93	82	213139	76.21	ng	0.00
41) 2,4,6-Tribromophenol	11.23	330	85145	85.98	ng	-0.01
44) 2-Fluorobiphenyl	9.75	172	412515	58.05	ng	0.00
78) Terphenyl-d14	13.61	244	494170	0.00	ng	-0.16
Target Compounds						Qvalue
31) Naphthalene	8.68	128	56661	5.62	ng	99
49) Dimethylphthalate	10.12	163	124395	15.60	ng	99
50) 2,6-Dinitrotoluene	10.12	165	1193	3.81	ng	# 1
87) Benzo(b)fluoranthene	16.33	252	1765	137.83	ng	# 81
88) Benzo(k)fluoranthene	16.33	252	1765	135.14	ng	# 79
89) Benzo(a)pyrene	16.79	252	3562	292.47	ng	# 82
90) Dibenzo(a,h)anthracene	18.88	278	235	19.63	ng	# 55
91) Benzo(g,h,i)perylene	19.50	276	857	69.19	ng	# 51

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

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Quant Time: Jun 15 00:57:06 2015
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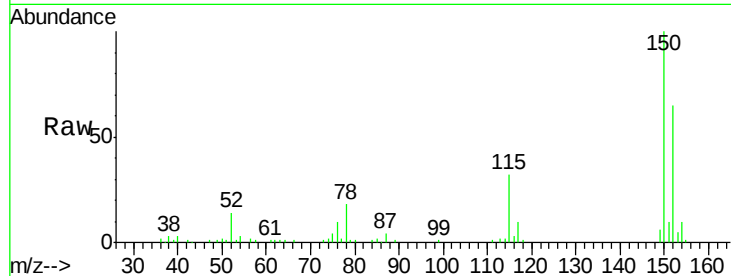




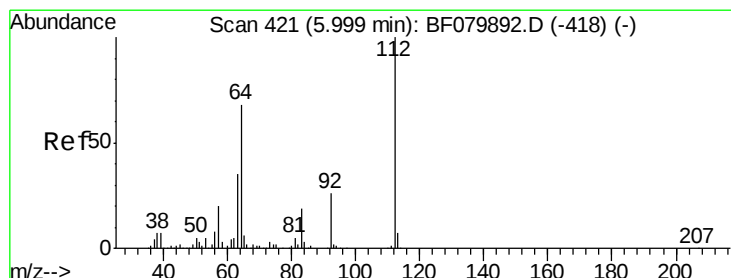
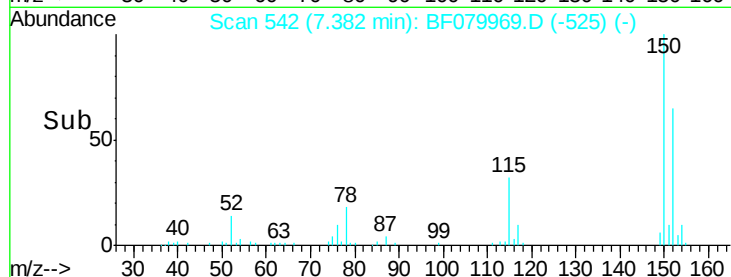
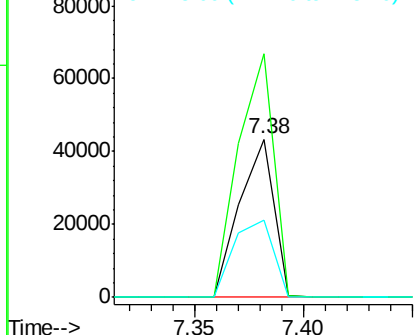
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.38 min Scan# 542
 Delta R.T. -0.00 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W4-8.5-9

Tgt Ion:152 Resp: 47404
 Ion Ratio Lower Upper
 152 100
 150 154.2 131.0 196.4
 115 48.6 49.8 74.6#

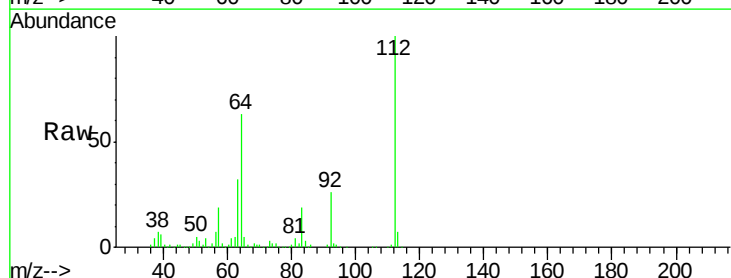


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

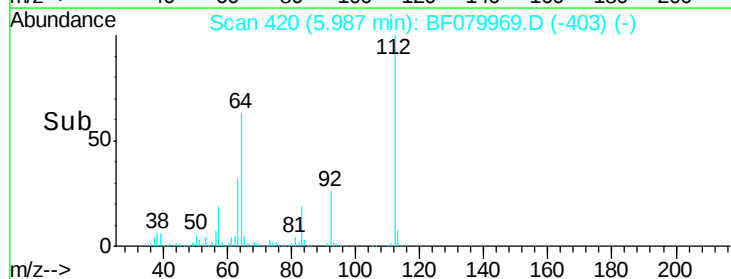
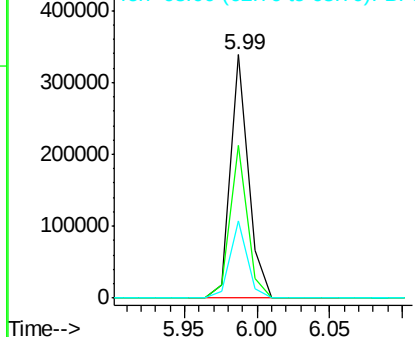


#5
 2-Fluorophenol
 Concen: 113.00 ng
 RT: 5.99 min Scan# 420
 Delta R.T. -0.00 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Tgt Ion:112 Resp: 292123
 Ion Ratio Lower Upper
 112 100
 64 62.9 54.5 81.7
 63 31.5 27.9 41.9



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: 105.80 ng

RT: 6.97 min Scan# 506

Delta R.T. -0.00 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

Instrument :

BNA_F

ClientSampleId :

VALHALLA-W4-8.5-9

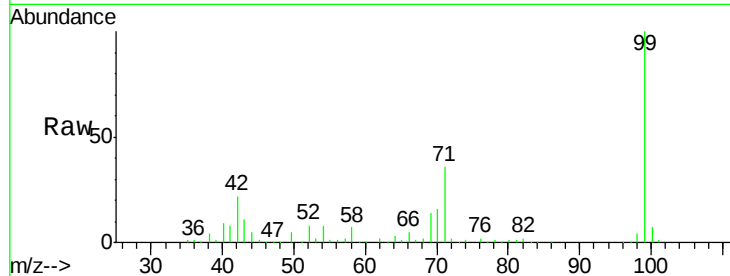
Tgt Ion: 99 Resp: 372633

Ion Ratio Lower Upper

99 100

42 22.3 12.9 19.3#

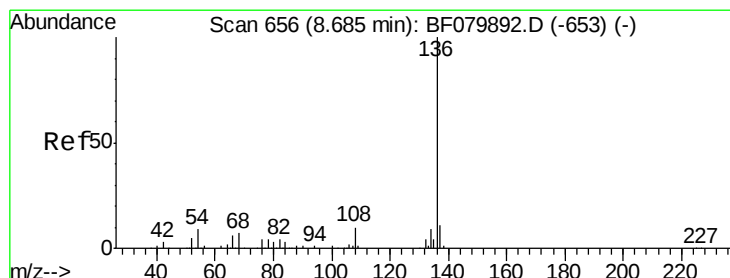
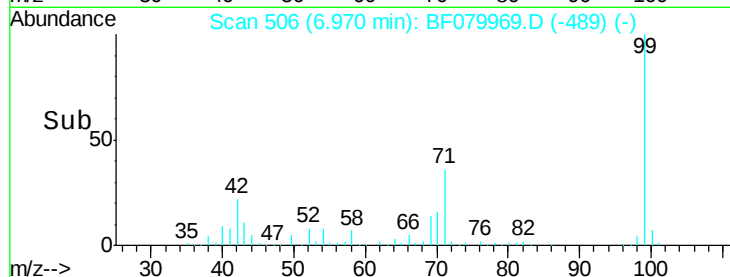
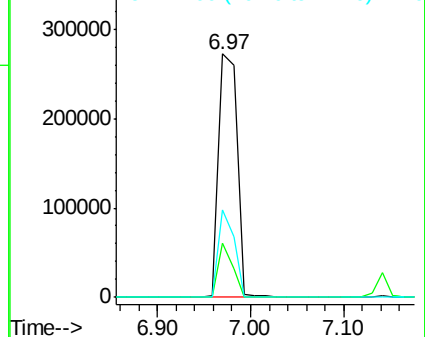
71 36.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.67 min Scan# 655

Delta R.T. 0.00 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

Tgt Ion: 136 Resp: 184532

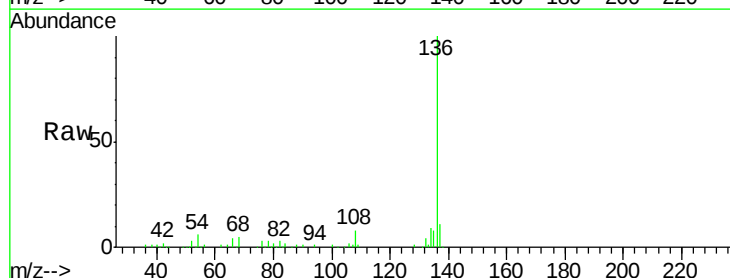
Ion Ratio Lower Upper

136 100

137 10.5 8.7 13.1

54 5.9 7.3 10.9#

68 4.5 5.9 8.9#

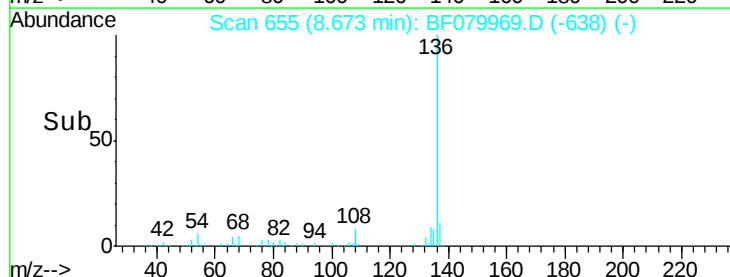
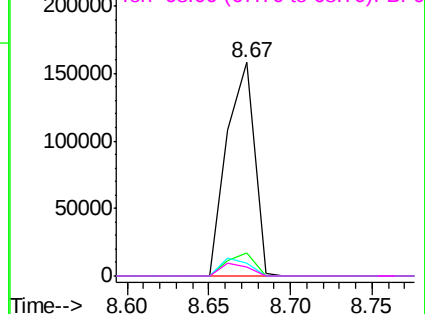


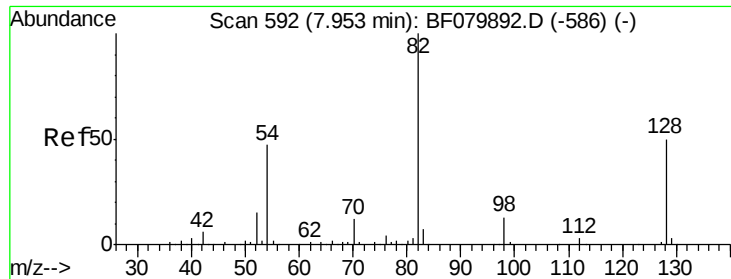
Abundance Ion 136.00 (135.70 to 136.70): E

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

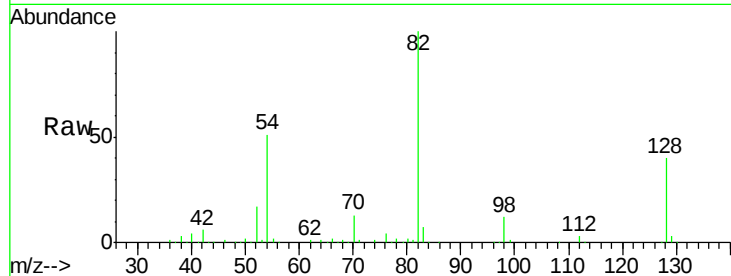




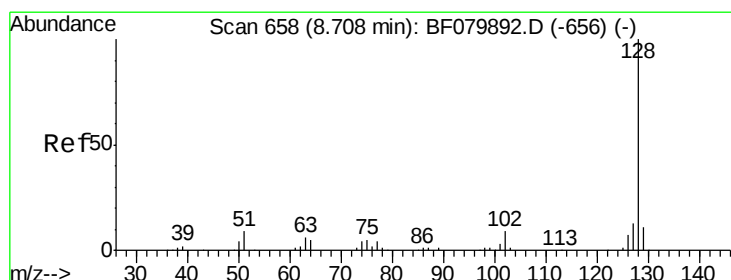
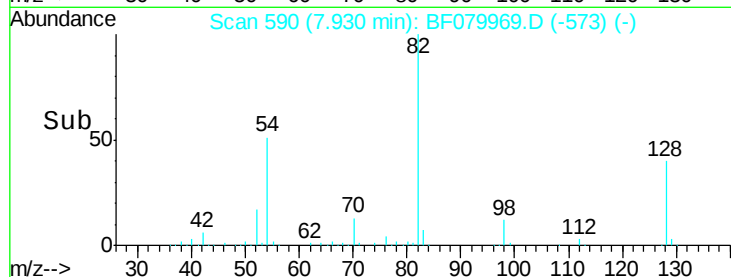
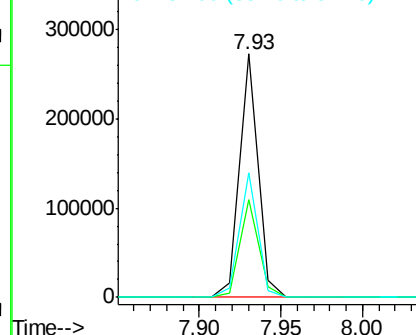
#23
 Nitrobenzene-d5
 Concen: 76.21 ng
 RT: 7.93 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W4-8.5-9

Tgt Ion	Ratio	Lower	Upper
82	100		
128	40.0	40.3	60.5#
54	51.0	38.0	57.0

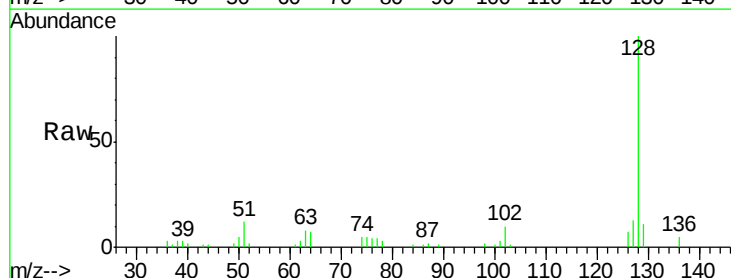


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

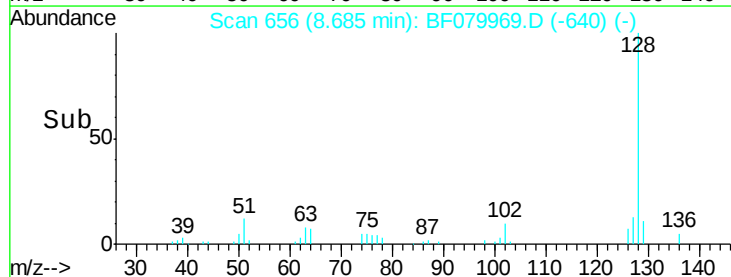
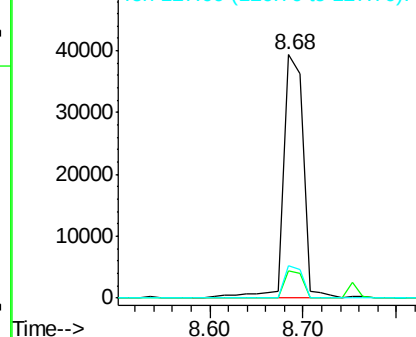


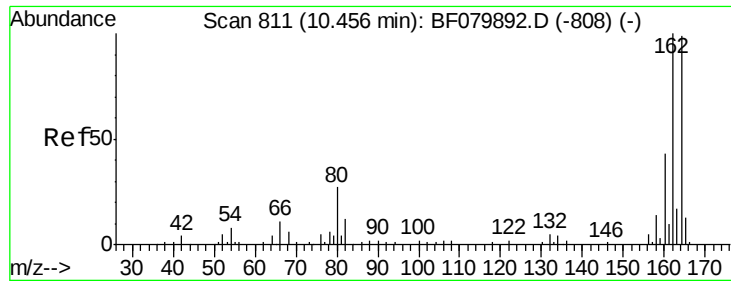
#31
 Naphthalene
 Concen: 5.62 ng
 RT: 8.68 min Scan# 656
 Delta R.T. -0.01 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.4	10.5	15.7



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

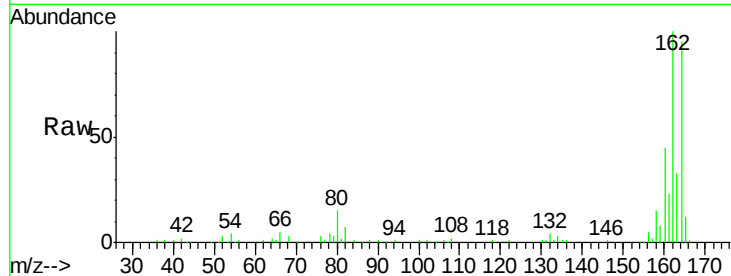




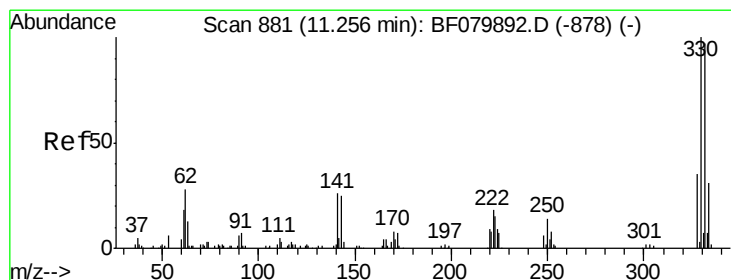
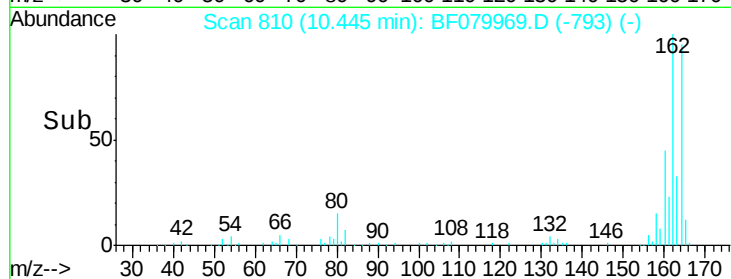
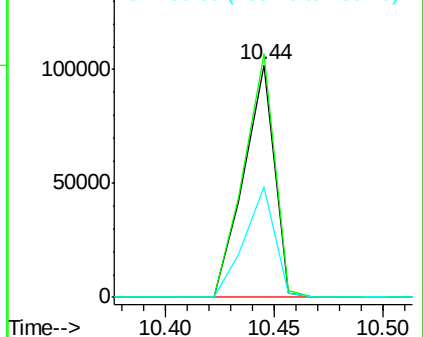
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.44 min Scan# 810
 Delta R.T. -0.00 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Instrument :
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 ClientSampleId :
 VALHALLA-W4-8.5-9

Tgt Ion:164 Resp: 99515
 Ion Ratio Lower Upper
 164 100
 162 104.8 80.7 121.1
 160 47.4 34.6 51.8

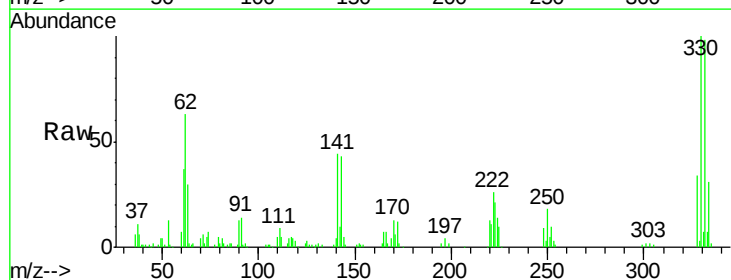


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

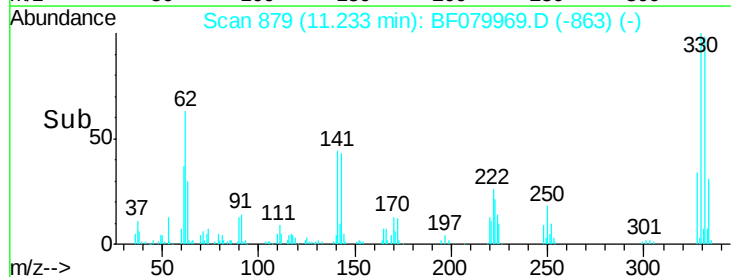
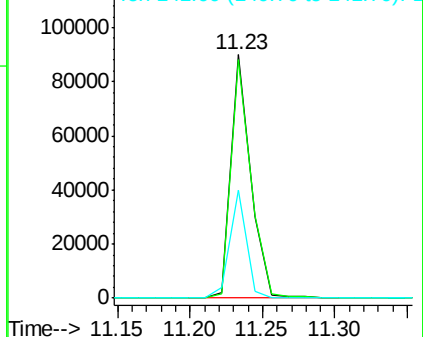


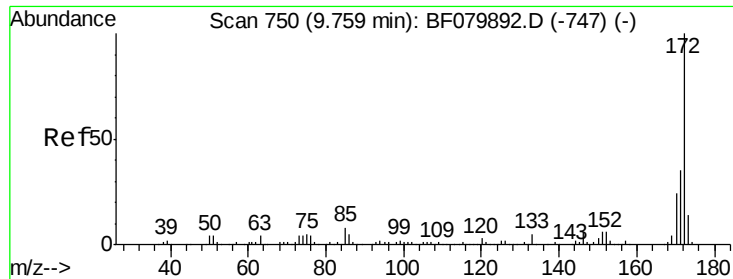
#41
 2,4,6-Tribromophenol
 Concen: 85.98 ng
 RT: 11.23 min Scan# 879
 Delta R.T. -0.01 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Tgt Ion:330 Resp: 85145
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.3 115.9
 141 37.7 26.8 40.2



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

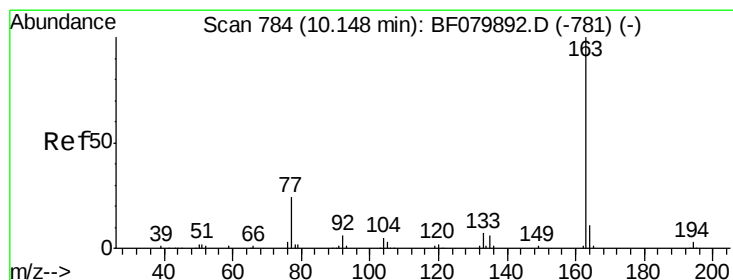
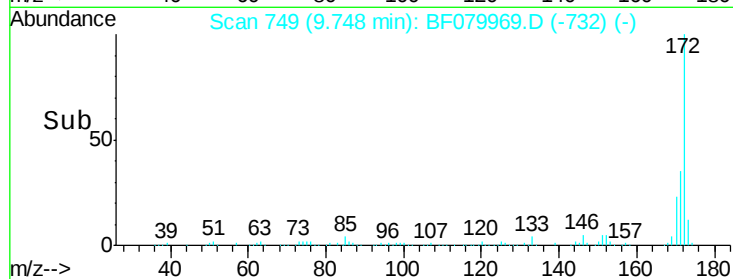
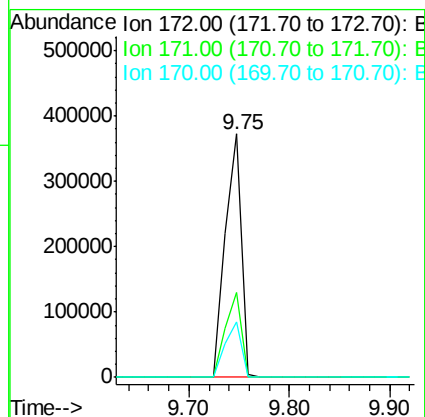
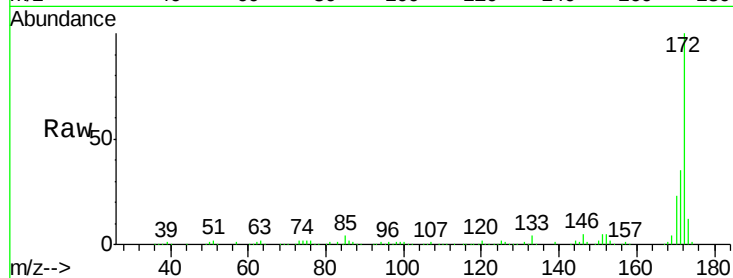




#44
 2-Fluorobiphenyl
 Concen: 58.05 ng
 RT: 9.75 min Scan# 749
 Delta R.T. -0.00 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

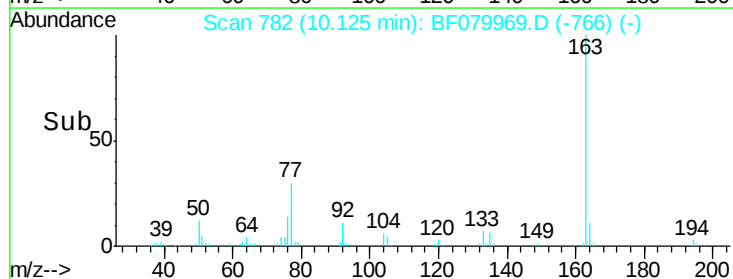
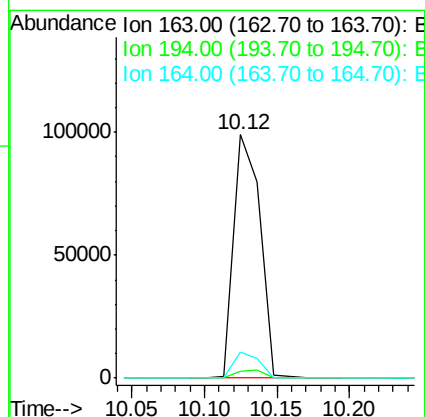
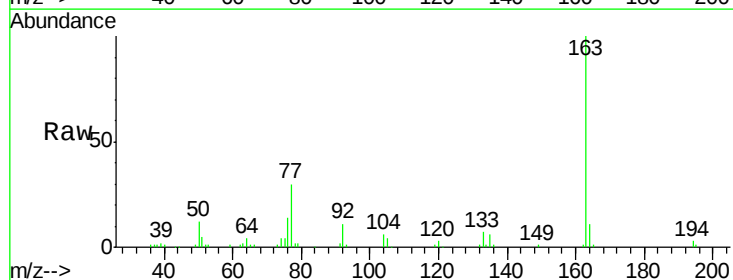
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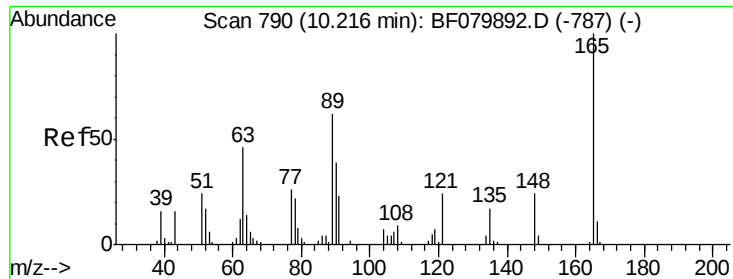
Tgt Ion:172 Resp: 412515
 Ion Ratio Lower Upper
 172 100
 171 35.0 28.3 42.5
 170 23.0 19.0 28.4



#49
 Dimethylphthalate
 Concen: 15.60 ng
 RT: 10.12 min Scan# 782
 Delta R.T. -0.01 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Tgt Ion:163 Resp: 124395
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.6 4.0
 164 10.9 8.6 12.8

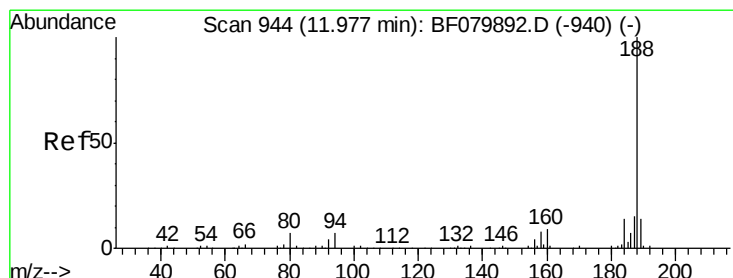
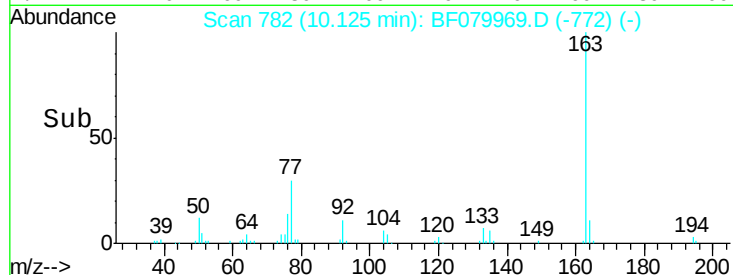
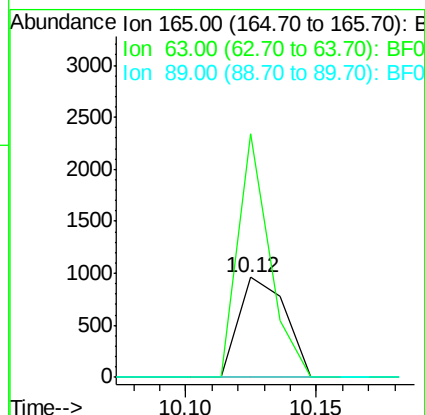
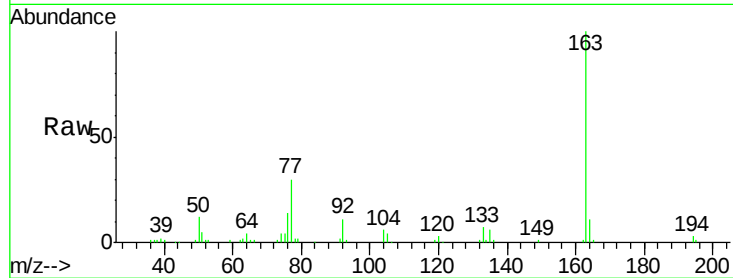




#50
 2,6-Dinitrotoluene
 Concen: 3.81 ng
 RT: 10.12 min Scan# 782
 Delta R.T. -0.08 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

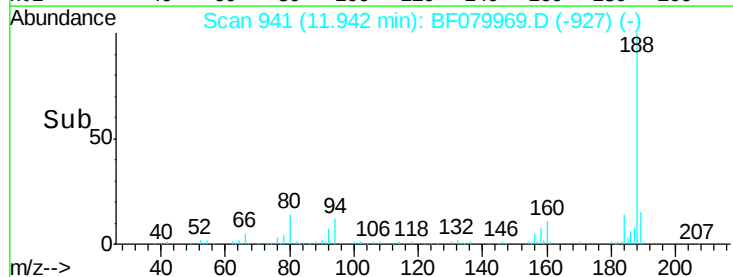
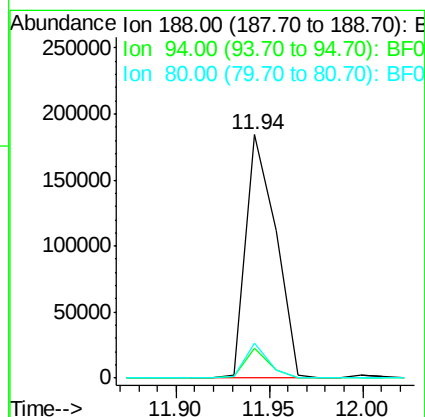
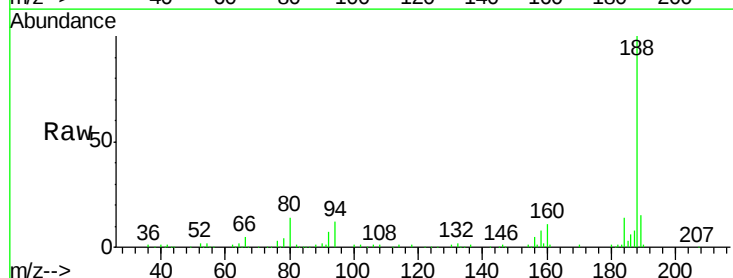
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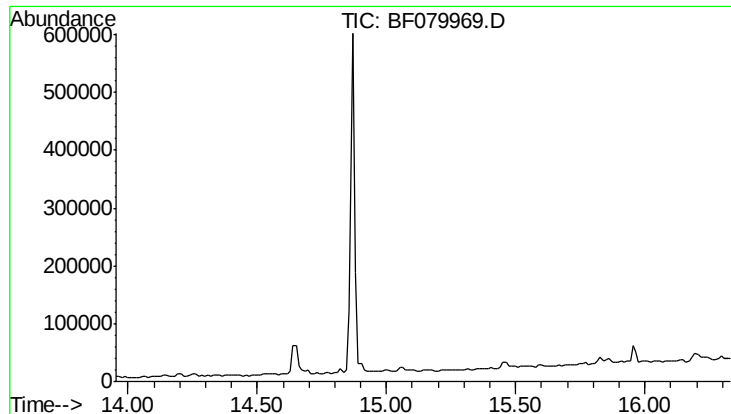
Tgt Ion:165 Resp: 1193
 Ion Ratio Lower Upper
 165 100
 63 243.9 46.4 69.6#
 89 0.0 49.6 74.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.94 min Scan# 941
 Delta R.T. -0.03 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Tgt Ion:188 Resp: 207101
 Ion Ratio Lower Upper
 188 100
 94 12.5 5.8 8.8#
 80 14.2 5.9 8.9#

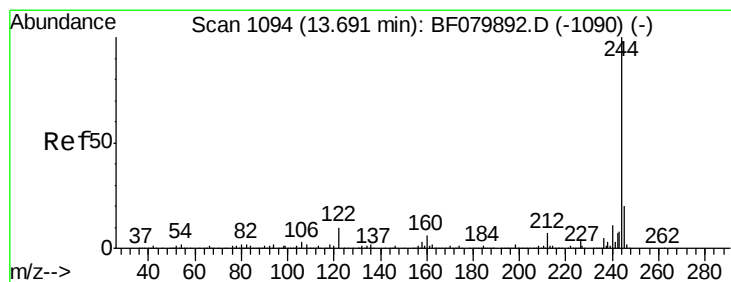
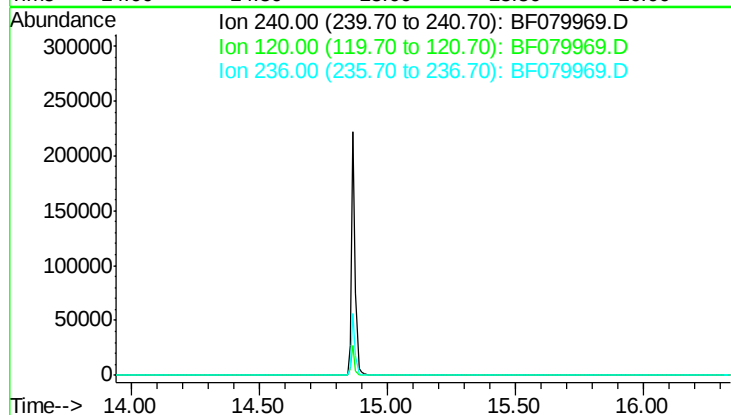




#75
 Chrysene-d12
 Concen: 0.00 ng
 Expected RT: 15.14 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

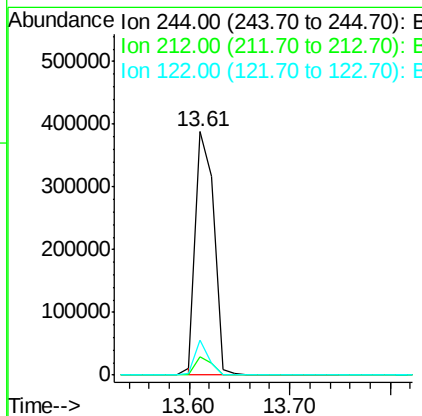
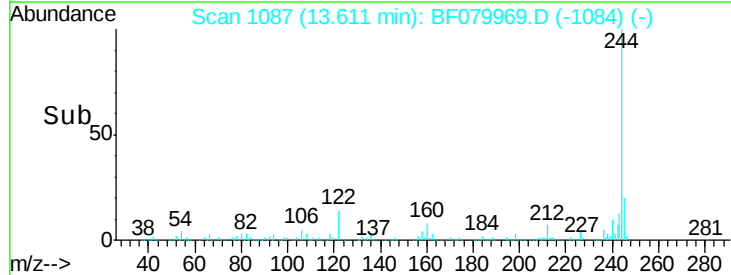
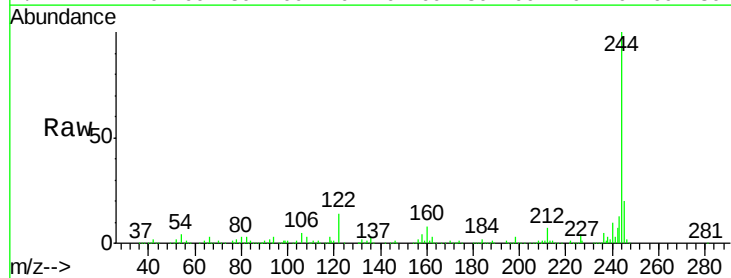
Instrument :
 BNA_F
 ClientSampleId :
 VALHALLA-W4-8.5-9

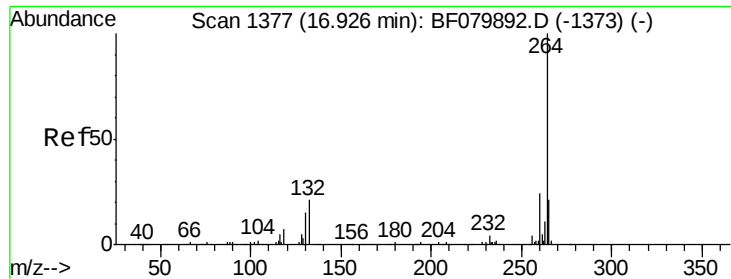
Tgt Ion: 240
 Sig Exp Ratio
 240 100
 120 11.8
 236 24.5



#78
 Terphenyl-d14
 Concen: 0.00 ng
 RT: 13.61 min Scan# 1087
 Delta R.T. -0.16 min
 Lab File: BF079969.D
 Acq: 13 Jun 2015 10:10

Tgt Ion: 244 Resp: 494170
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.4 8.2
 122 14.4 7.8 11.8





#86

Perylene-d12

Concen: 20.00 ng

RT: 16.96 min Scan# 1380

Delta R.T. -0.14 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

Instrument :

BNA_F

ClientSampleId :

VALHALLA-W4-8.5-9

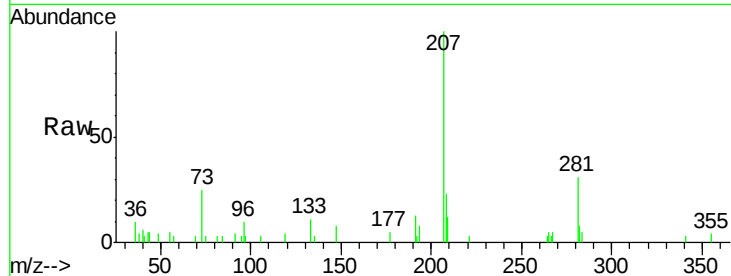
Tgt Ion: 264 Resp: 209

Ion Ratio Lower Upper

264 100

260 0.0 19.3 28.9#

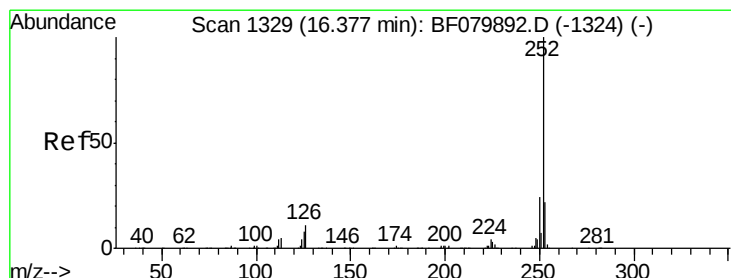
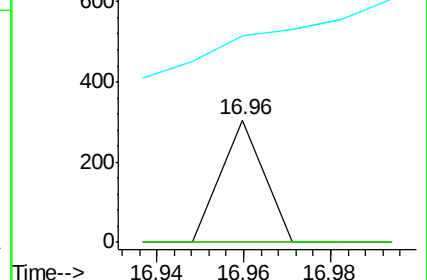
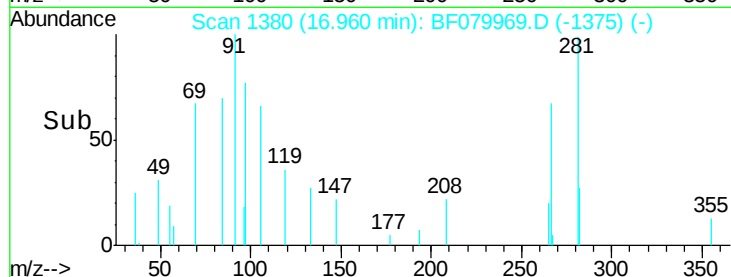
265 168.5 17.0 25.6#



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: 137.83 ng

RT: 16.33 min Scan# 1325

Delta R.T. -0.21 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

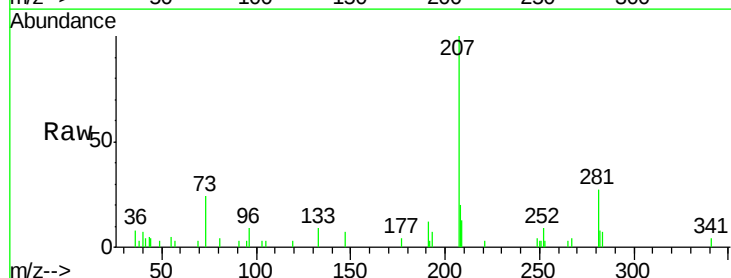
Tgt Ion: 252 Resp: 1765

Ion Ratio Lower Upper

252 100

253 30.8 17.8 26.6#

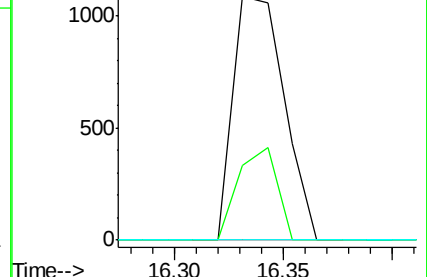
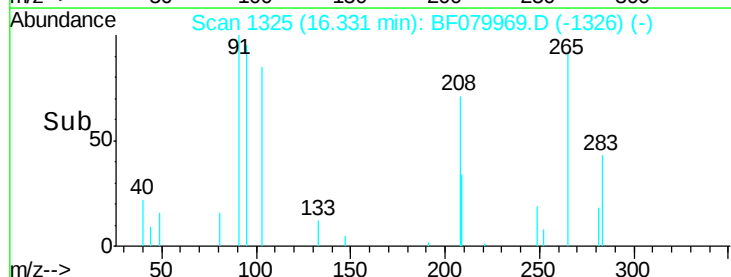
125 0.0 6.5 9.7#

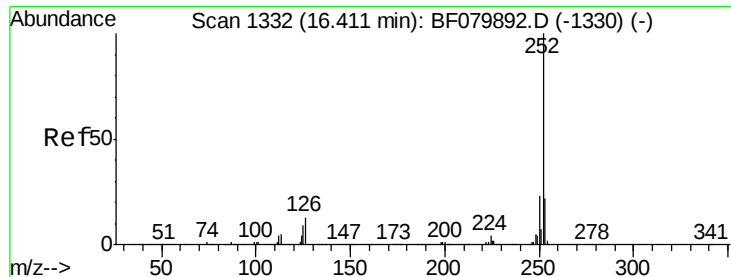


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 135.14 ng

RT: 16.33 min Scan# 1325

Delta R.T. -0.25 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

Instrument :

BNA_F

ClientSampleId :

VALHALLA-W4-8.5-9

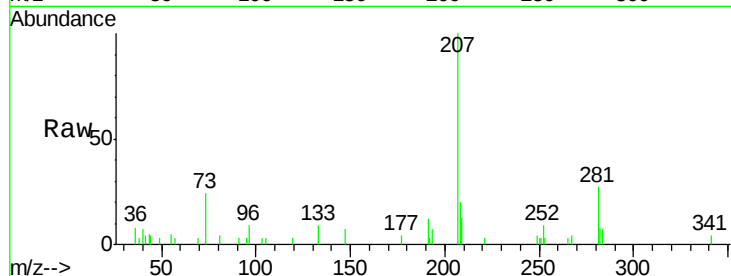
Tgt Ion:252 Resp: 1765

Ion Ratio Lower Upper

252 100

253 30.8 17.4 26.2#

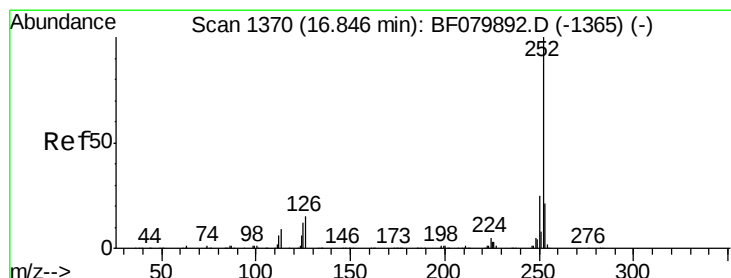
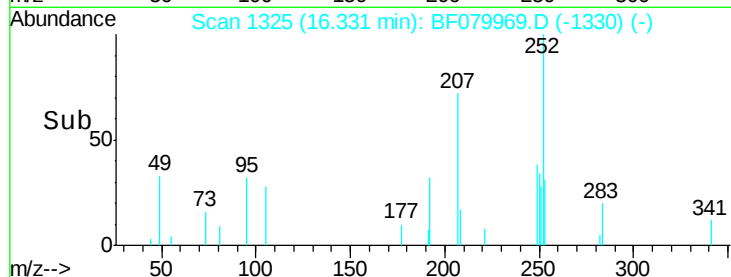
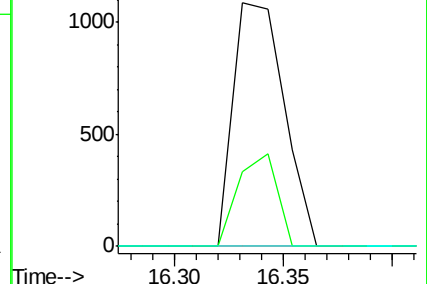
125 0.0 7.4 11.0#



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



#89

Benzo(a)pyrene

Concen: 292.47 ng

RT: 16.79 min Scan# 1365

Delta R.T. -0.23 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

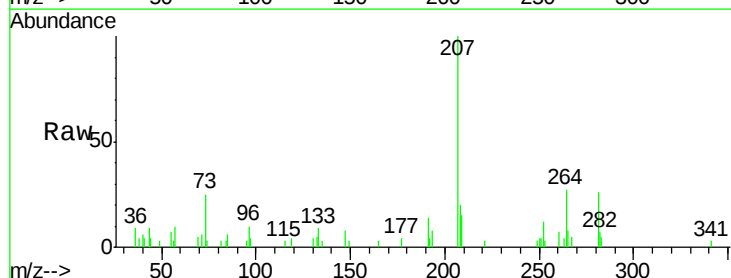
Tgt Ion:252 Resp: 3562

Ion Ratio Lower Upper

252 100

253 26.4 17.0 25.6#

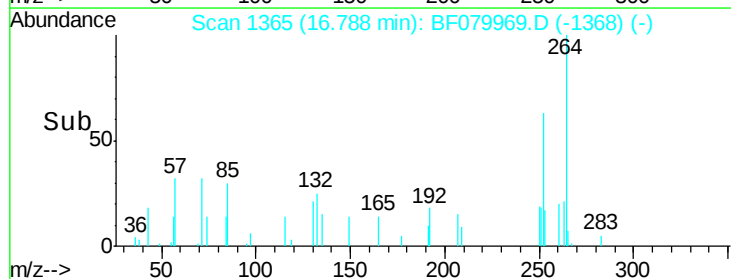
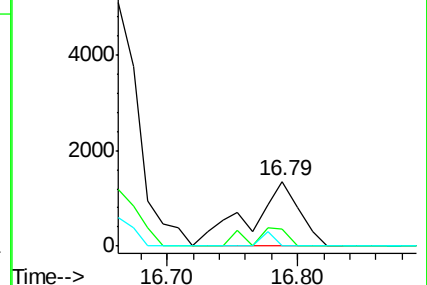
125 0.0 9.7 14.5#

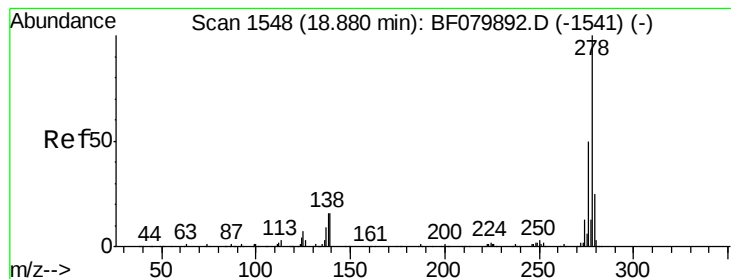


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Dibenzo(a,h)anthracene

Concen: 19.63 ng

RT: 18.88 min Scan# 1548

Delta R.T. -0.16 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

Instrument :

BNA_F

ClientSampleId :

VALHALLA-W4-8.5-9

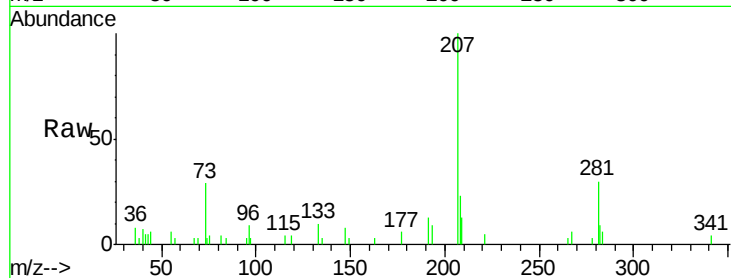
Tgt Ion:278 Resp: 235

Ion Ratio Lower Upper

278 100

139 0.0 12.8 19.2#

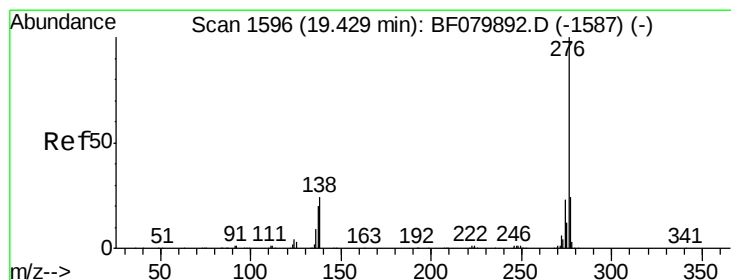
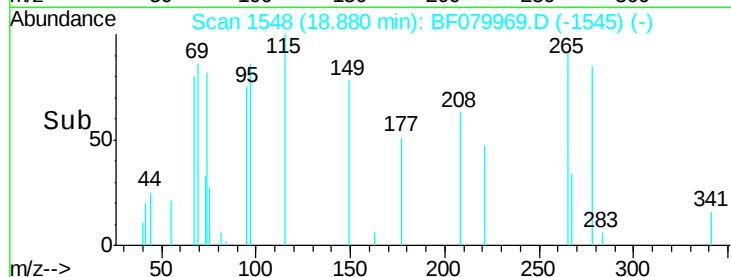
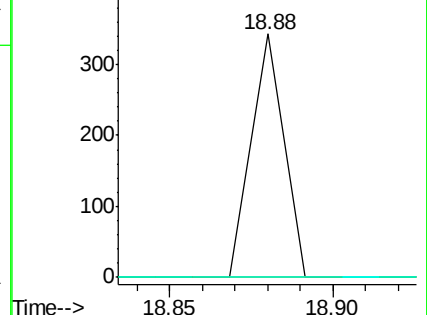
279 0.0 19.7 29.5#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 69.19 ng

RT: 19.50 min Scan# 1602

Delta R.T. -0.09 min

Lab File: BF079969.D

Acq: 13 Jun 2015 10:10

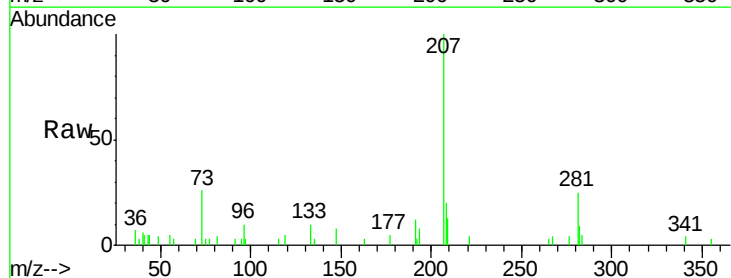
Tgt Ion:276 Resp: 857

Ion Ratio Lower Upper

276 100

277 0.0 19.4 29.2#

138 0.0 19.1 28.7#



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

