

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083641.D
 Acq On : 9 Dec 2015 16:03
 Operator : UM/IZ
 Sample : G4579-11DL 500X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHED-NORTH-WALLDL

Quant Time: Dec 10 00:35:08 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 09 00:23:35 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.68	152	124573	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	515615	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	262666	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	456058	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	310312	20.00	ng	-0.01
86) Perylene-d12	18.63	264	257409	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	6.73	82	747	0.07	ng	0.19
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.34	172	3739	0.20	ng	0.00
78) Terphenyl-d14	15.40	244	4422	0.34	ng	-0.01

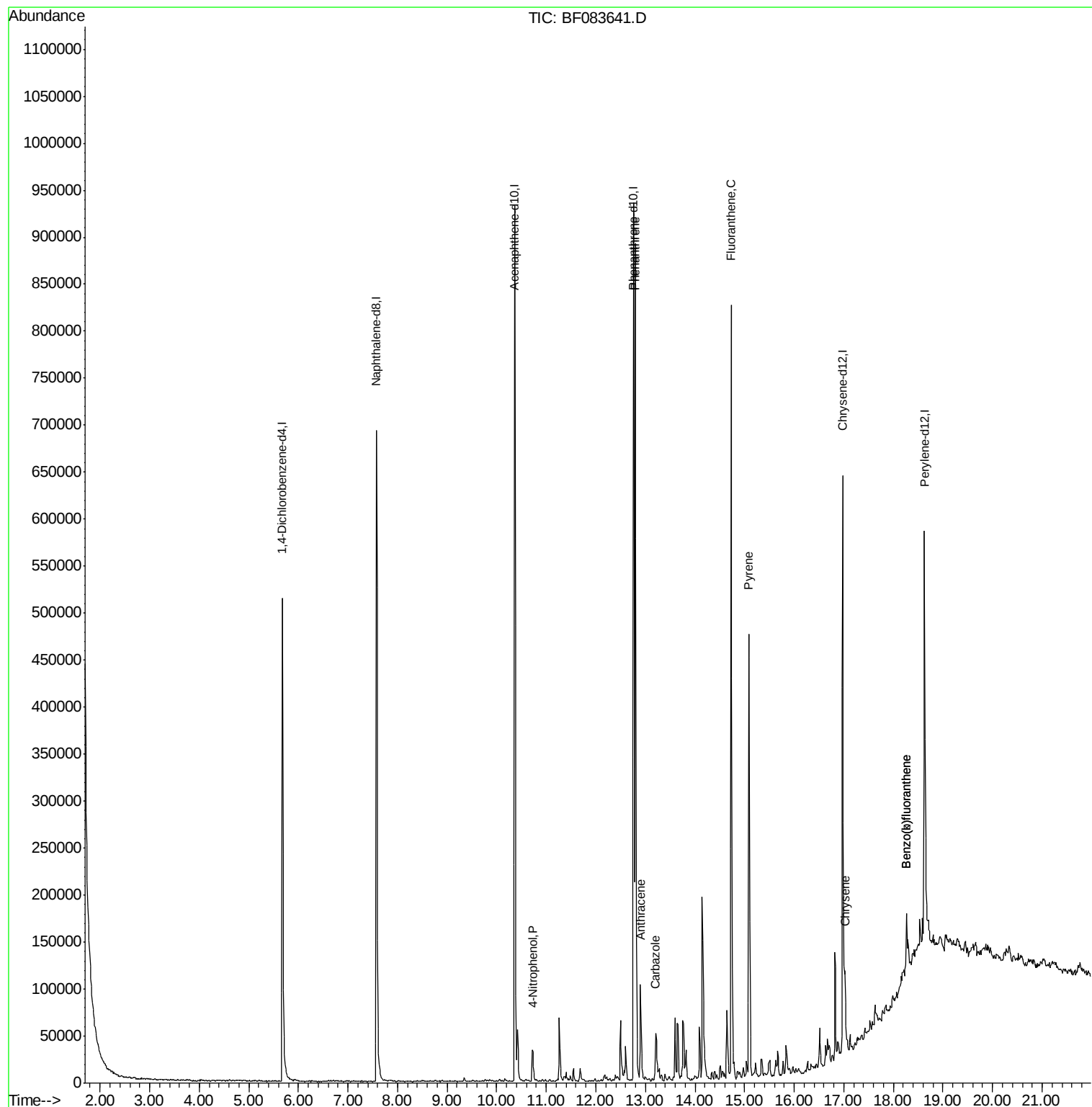
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
55) 4-Nitrophenol	10.73	139	11820	5.85	ng	# 5
70) Phenanthrene	12.80	178	541667	20.67	ng	98
71) Anthracene	12.90	178	75422	2.78	ng	95
72) Carbazole	13.21	167	48662	2.09	ng	# 96
74) Fluoranthene	14.73	202	505519	18.86	ng	100
77) Pyrene	15.08	202	308312	13.80	ng	97
82) Chrysene	17.03	228	70236	3.86	ng	98
87) Benzo(b)fluoranthene	18.26	252	58022	3.96	ng	# 94
88) Benzo(k)fluoranthene	18.26	252	58022	3.59	ng	98

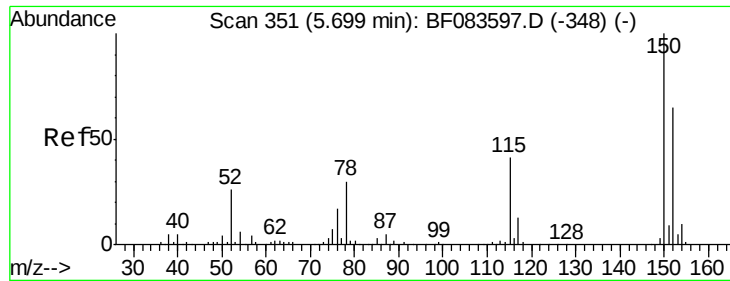
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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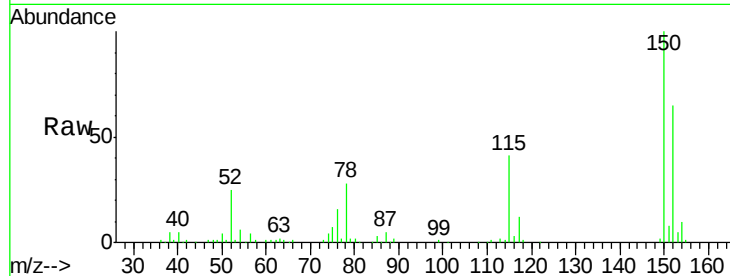




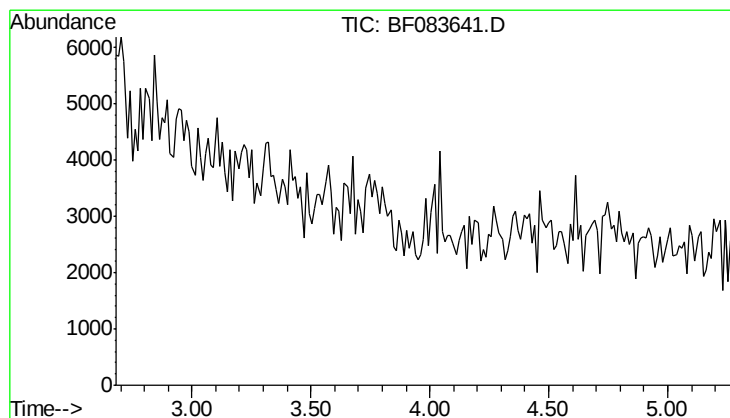
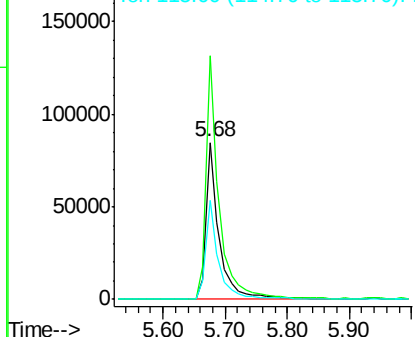
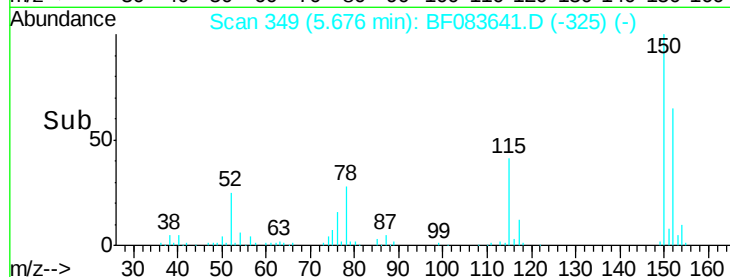
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.68 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

Instrument :
 BNA_F
 ClientSampleId :
 SHED-NORTH-WALLDL

Tgt Ion:152 Resp: 124573
 Ion Ratio Lower Upper
 152 100
 150 155.0 126.5 189.7
 115 62.9 52.3 78.5



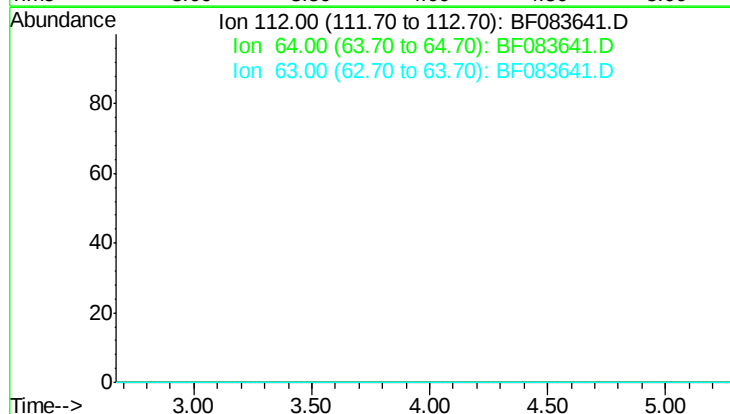
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

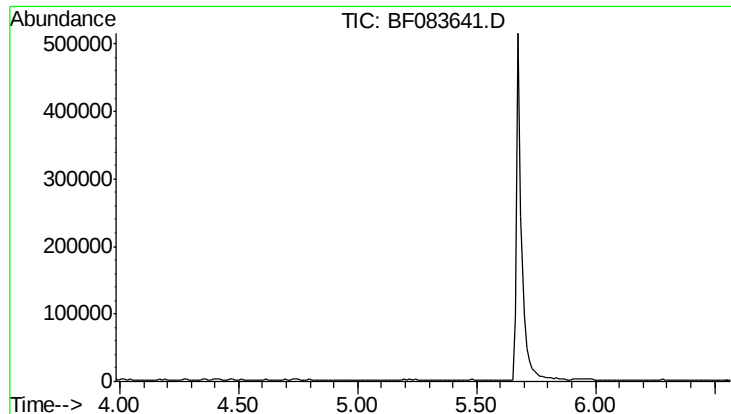


#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 3.97 min

Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 63.1
 63 32.2

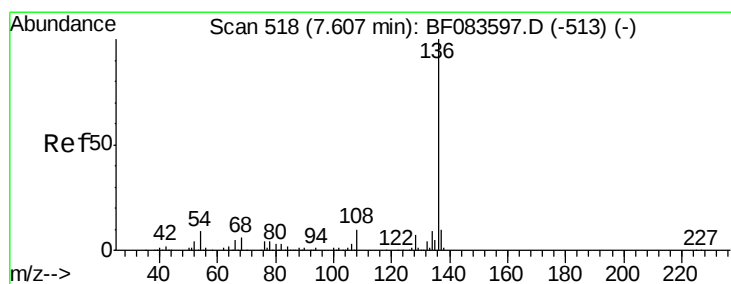
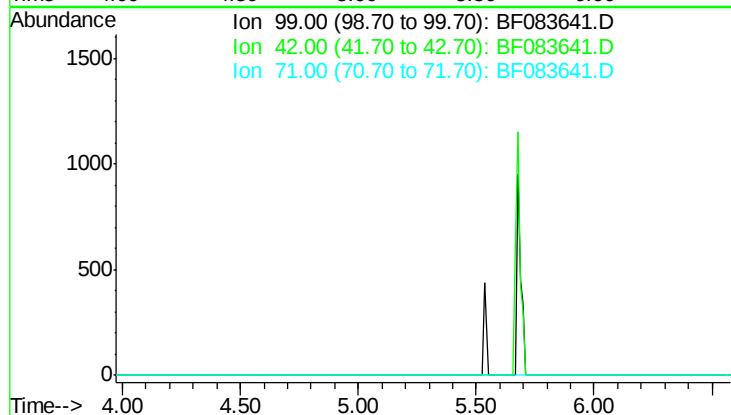




#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 5.28 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

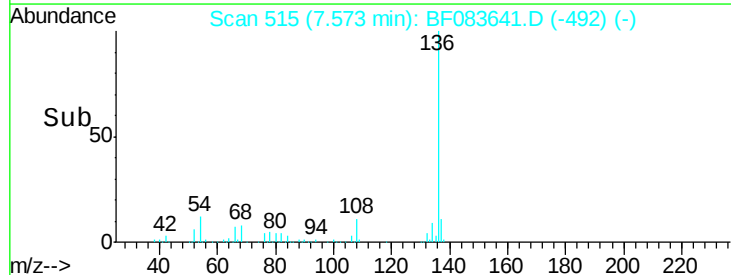
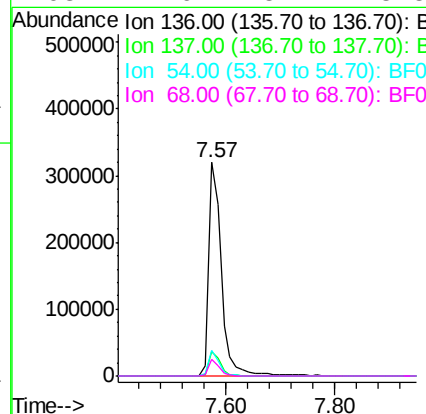
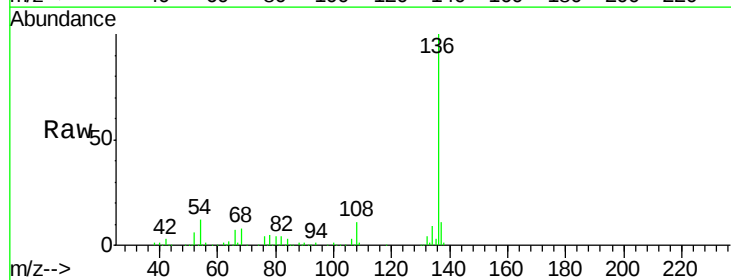
Instrument :
 BNA_F
 ClientSampleId :
 SHED-NORTH-WALLDL

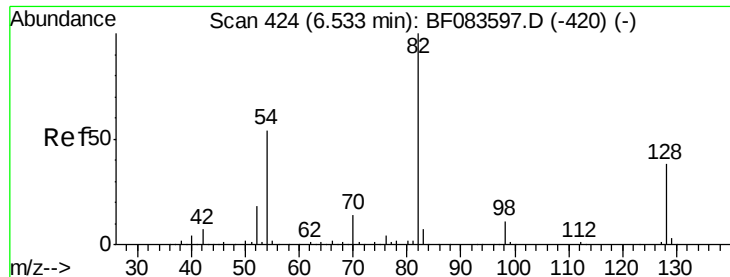
Tgt Ion: 99
 Sig Exp Ratio
 99 100
 42 21.6
 71 33.3



#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.57 min Scan# 515
 Delta R.T. -0.03 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

Tgt Ion: 136 Resp: 515615
 Ion Ratio Lower Upper
 136 100
 137 11.2 8.7 13.1
 54 11.8 7.8 11.6#
 68 7.6 5.7 8.5

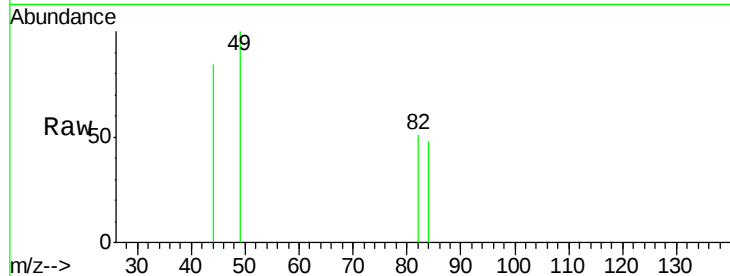




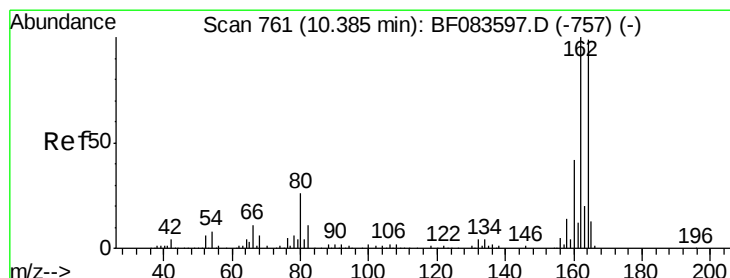
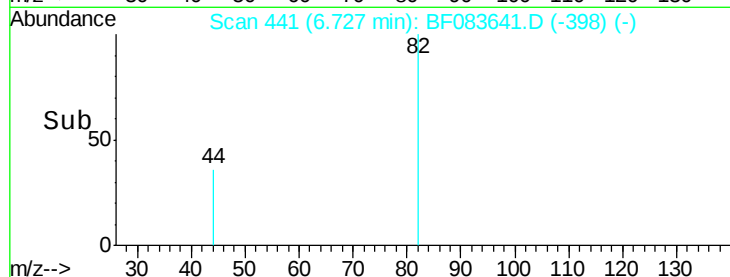
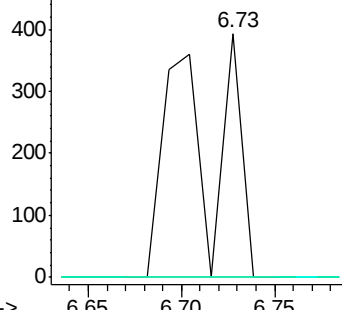
#23
 Nitrobenzene-d5
 Concen: 0.07 ng
 RT: 6.73 min Scan# 441
 Delta R.T. 0.19 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

Instrument :
 BNA_F
 ClientSampleId :
 SHED-NORTH-WALLDL

Tgt Ion: 82 Resp: 747
 Ion Ratio Lower Upper
 82 100
 128 0.0 30.7 46.1#
 54 0.0 42.5 63.7#

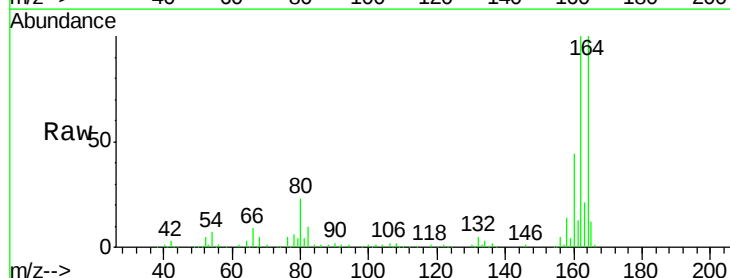


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

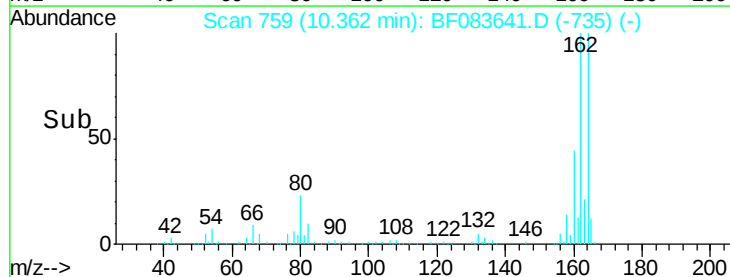
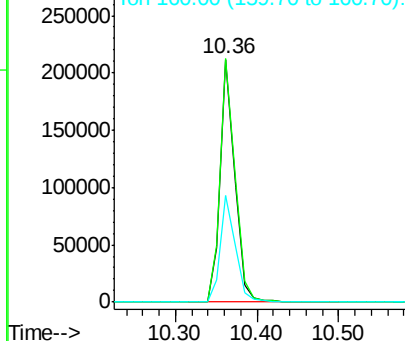


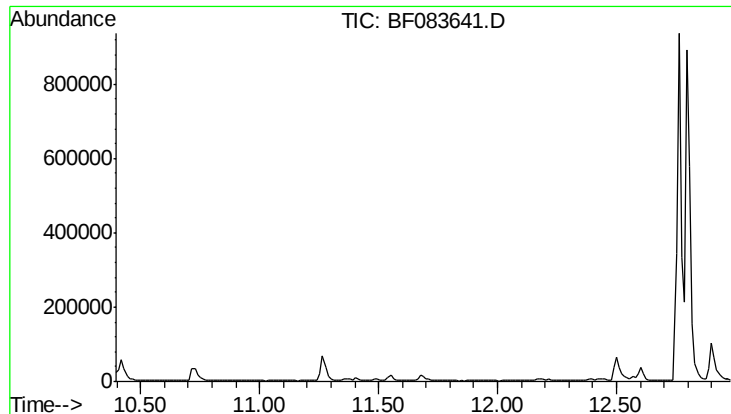
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

Tgt Ion: 164 Resp: 262666
 Ion Ratio Lower Upper
 164 100
 162 100.2 78.8 118.2
 160 43.9 33.4 50.2



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

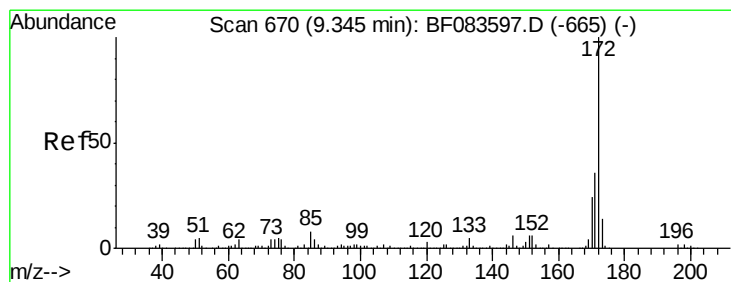
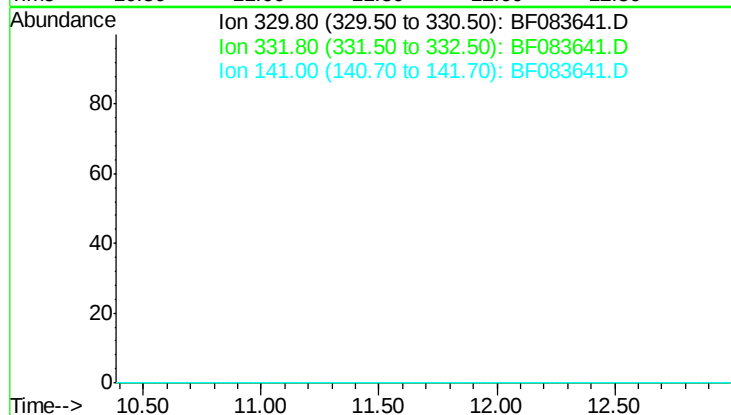




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.69 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

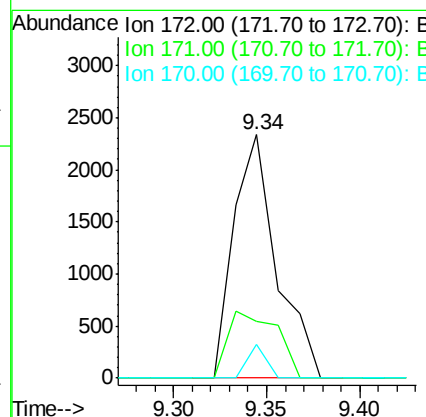
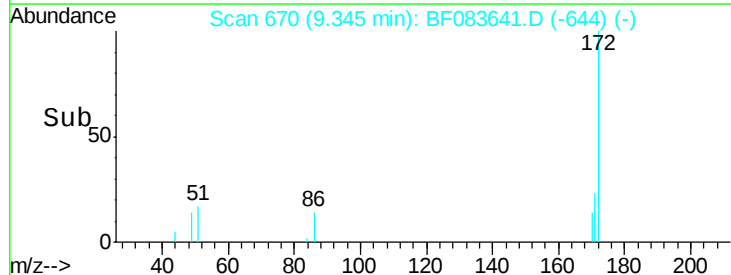
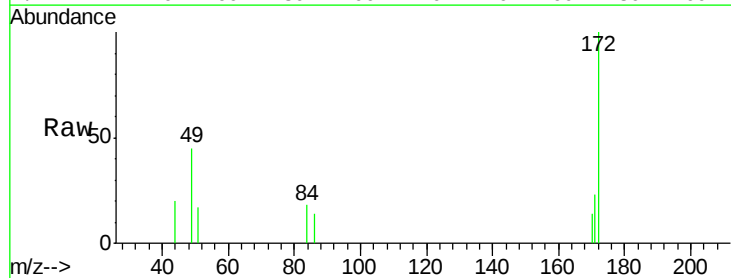
Instrument :
 BNA_F
 ClientSampleId :
 SHED-NORTH-WALLDL

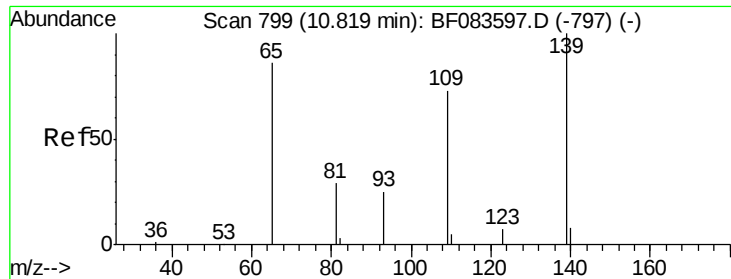
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 0.0
 141 0.0



#44
 2-Fluorobiphenyl
 Concen: 0.20 ng
 RT: 9.34 min Scan# 670
 Delta R.T. 0.00 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

Tgt Ion: 172 Resp: 3739
 Ion Ratio Lower Upper
 172 100
 171 23.3 28.6 42.8#
 170 13.9 19.4 29.0#





#55

4-Nitrophenol

Concen: 5.85 ng

RT: 10.73 min Scan# 791

Delta R.T. -0.09 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

Instrument :

BNA_F

ClientSampleId :

SHED-NORTH-WALLDL

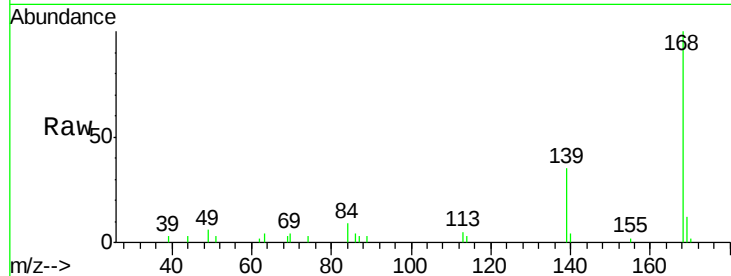
Tgt Ion:139 Resp: 11820

Ion Ratio Lower Upper

139 100

109 0.0 42.0 82.0#

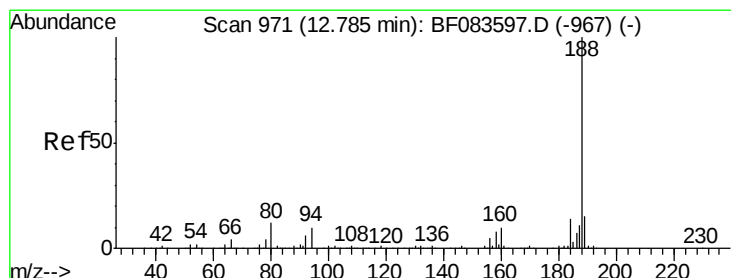
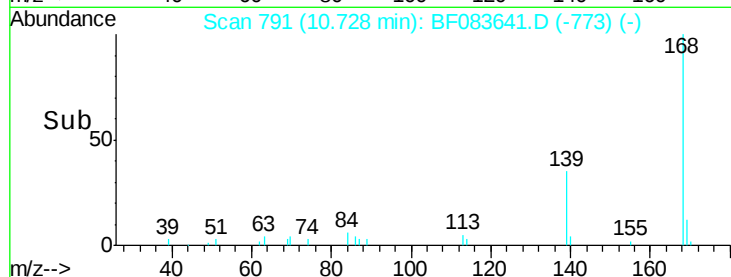
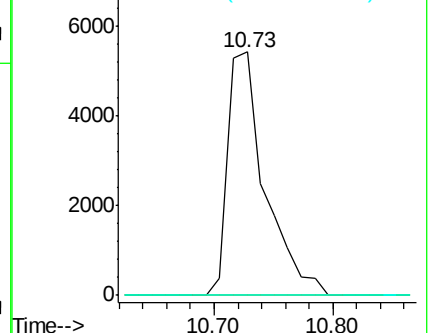
65 0.0 89.2 129.2#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

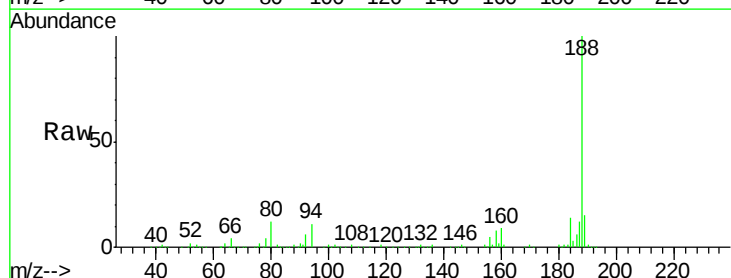
Tgt Ion:188 Resp: 456058

Ion Ratio Lower Upper

188 100

94 10.5 9.4 14.2

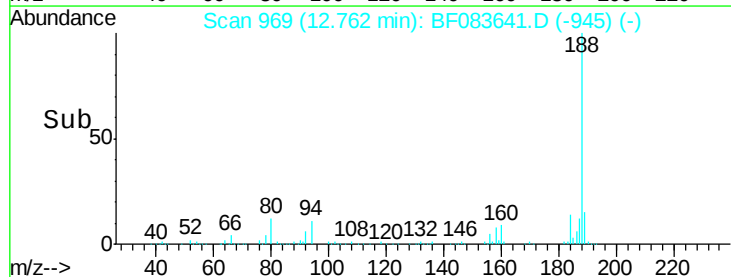
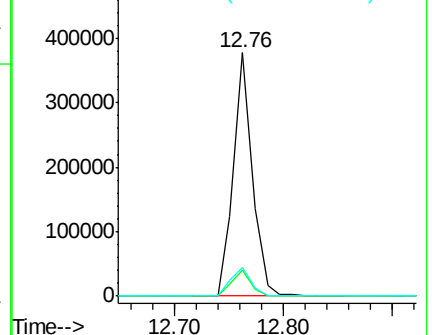
80 11.8 10.6 16.0

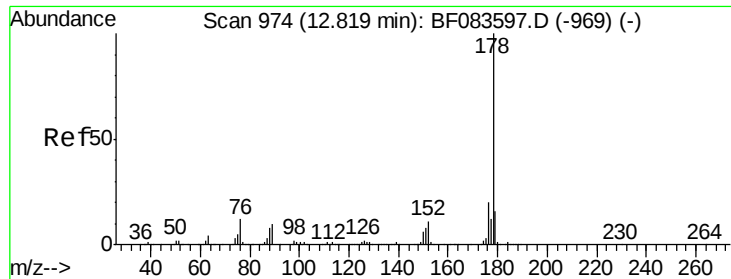


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

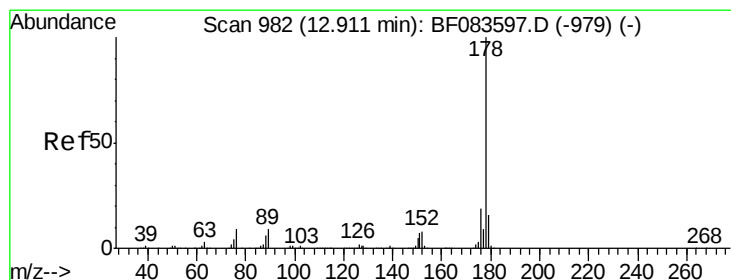
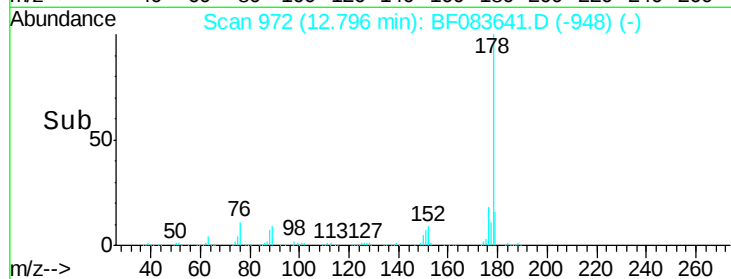
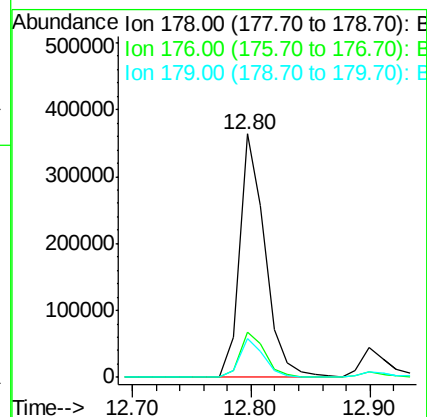
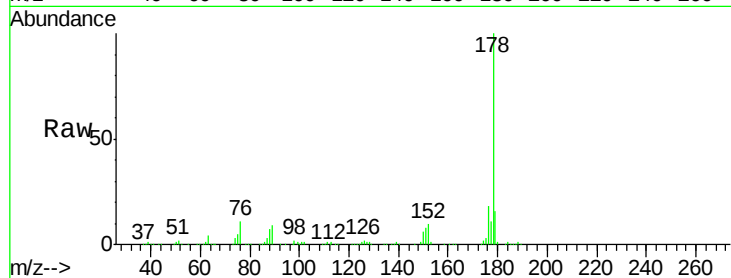




#70
Phenanthrene
Concen: 20.67 ng
RT: 12.80 min Scan# 972
Delta R.T. -0.02 min
Lab File: BF083641.D
Acq: 9 Dec 2015 16:03

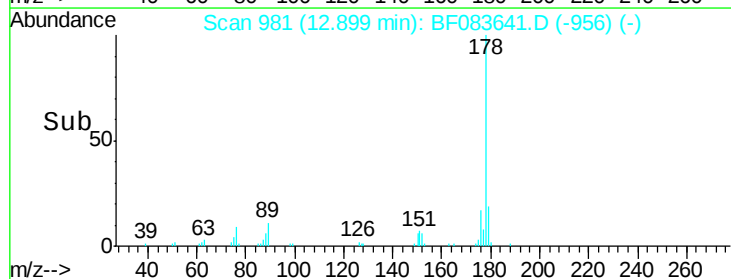
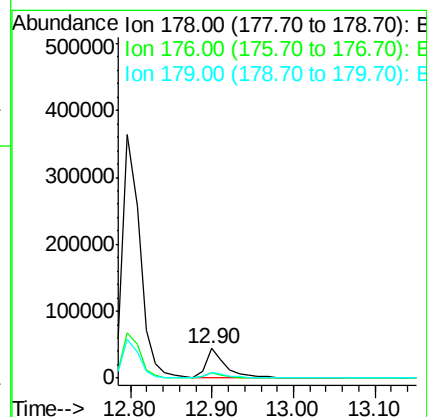
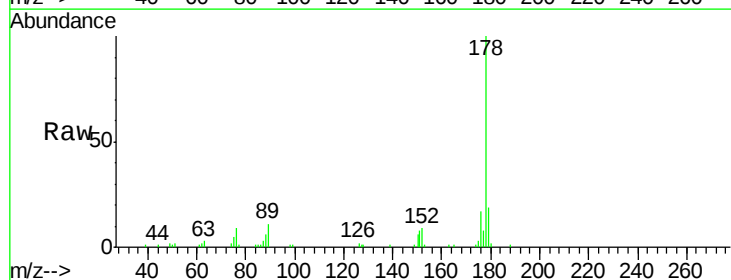
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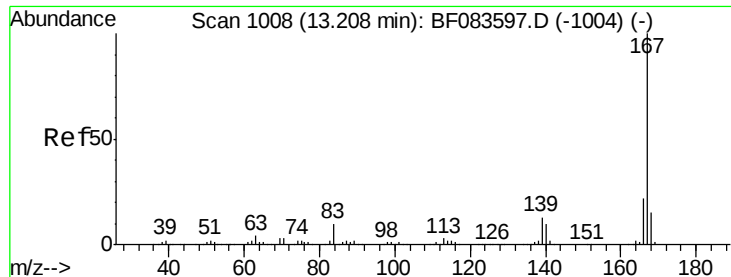
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.7	23.5
179	15.8	12.2	18.4



#71
Anthracene
Concen: 2.78 ng
RT: 12.90 min Scan# 981
Delta R.T. -0.01 min
Lab File: BF083641.D
Acq: 9 Dec 2015 16:03

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.2	22.8
179	18.7	12.6	18.8





#72

Carbazole

Concen: 2.09 ng

RT: 13.21 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

Instrument :

BNA_F

ClientSampleId :

SHED-NORTH-WALLDL

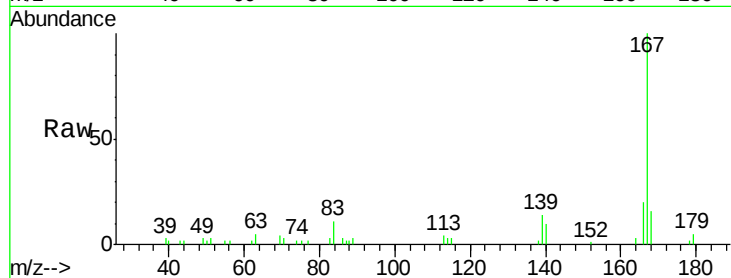
Tgt Ion:167 Resp: 48662

Ion Ratio Lower Upper

167 100

166 20.4 17.2 25.8

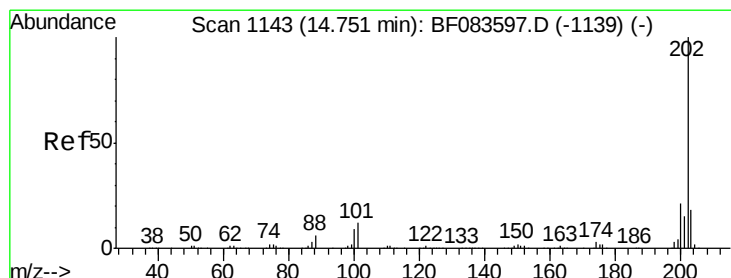
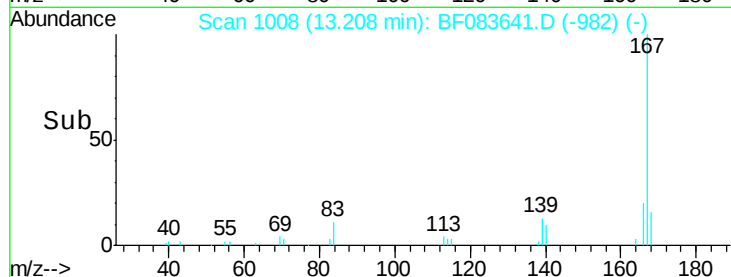
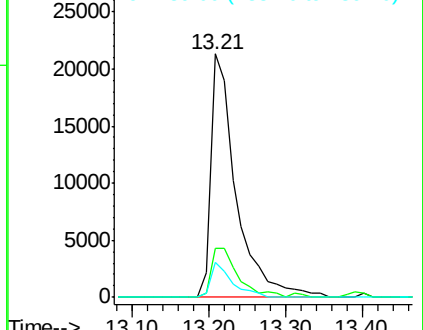
139 14.4 9.3 13.9#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 18.86 ng

RT: 14.73 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

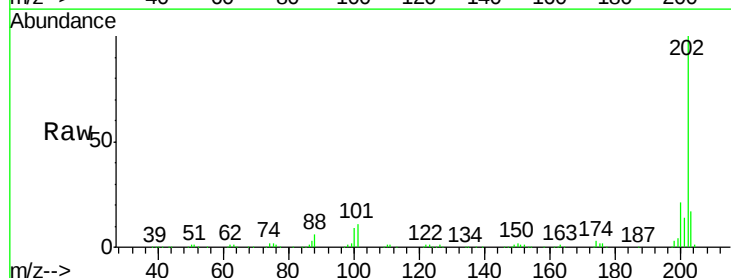
Tgt Ion:202 Resp: 505519

Ion Ratio Lower Upper

202 100

101 11.4 0.0 31.5

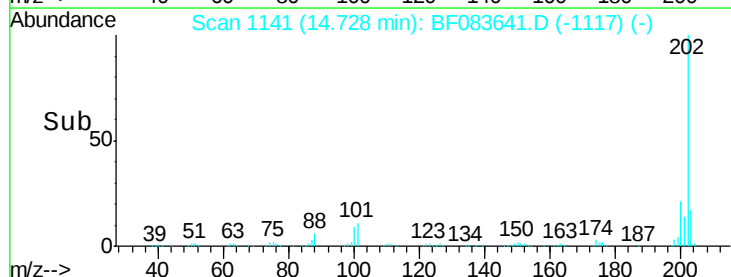
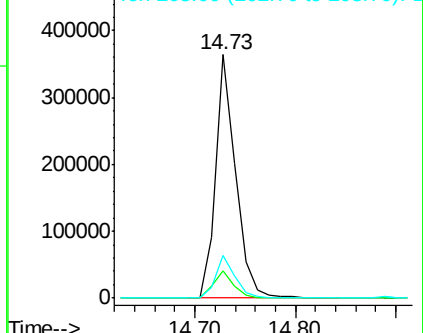
203 17.4 0.0 37.6

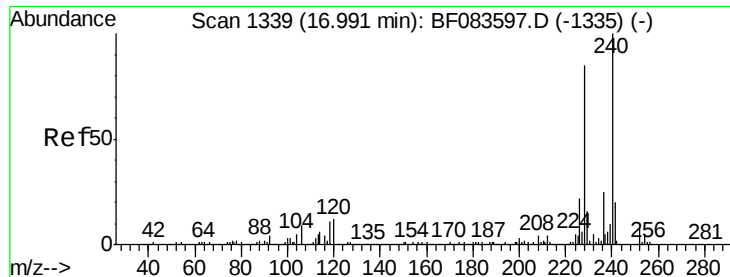


Abundance Ion 202.00 (201.70 to 202.70): E

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: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

Instrument :

BNA_F

ClientSampleId :

SHED-NORTH-WALLDL

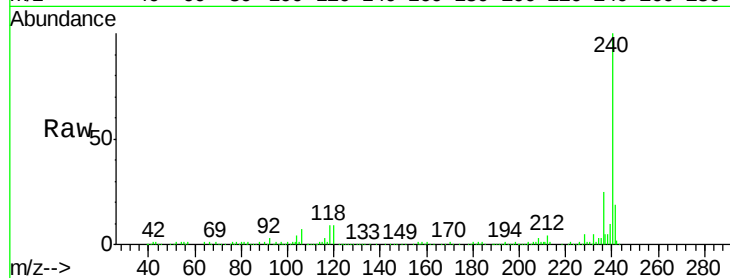
Tgt Ion:240 Resp: 310312

Ion Ratio Lower Upper

240 100

120 9.4 8.1 12.1

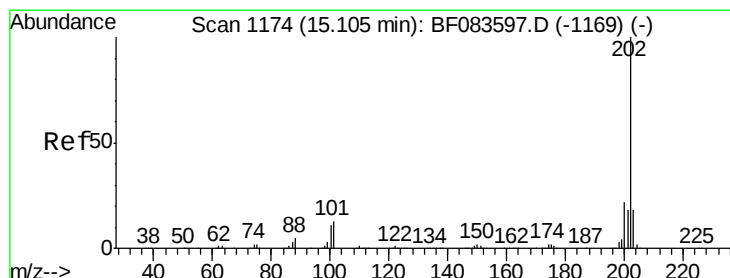
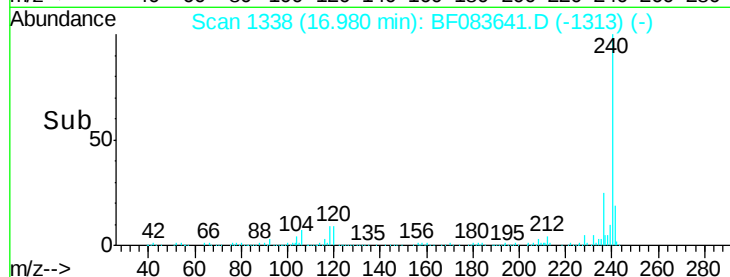
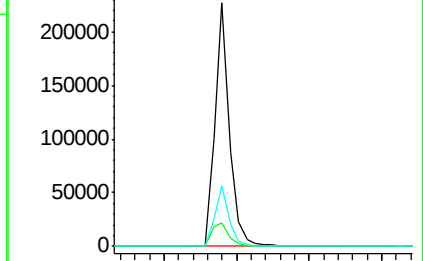
236 24.8 20.8 31.2



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: 13.80 ng

RT: 15.08 min Scan# 1172

Delta R.T. -0.02 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

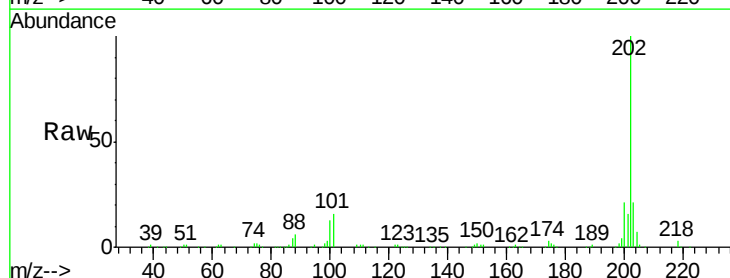
Tgt Ion:202 Resp: 308312

Ion Ratio Lower Upper

202 100

200 20.7 16.7 25.1

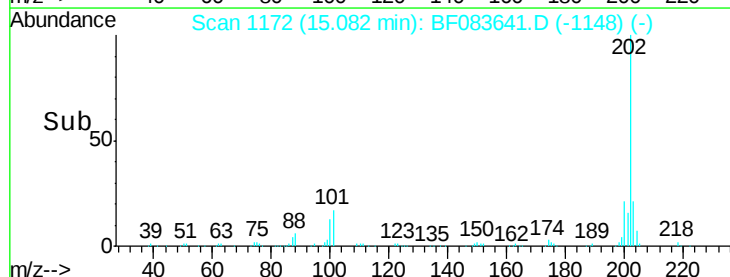
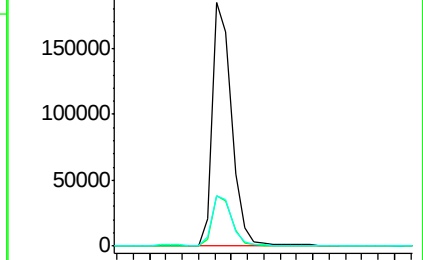
203 20.8 14.3 21.5

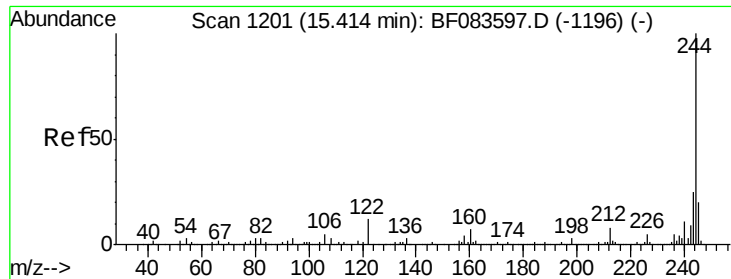


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

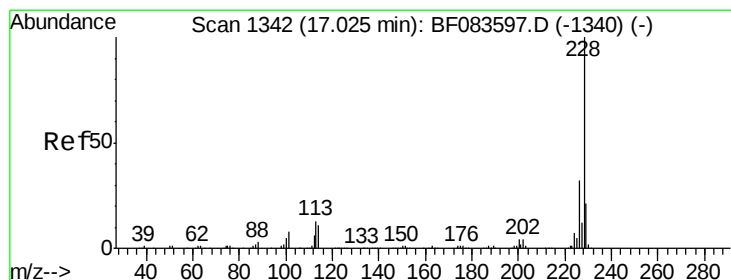
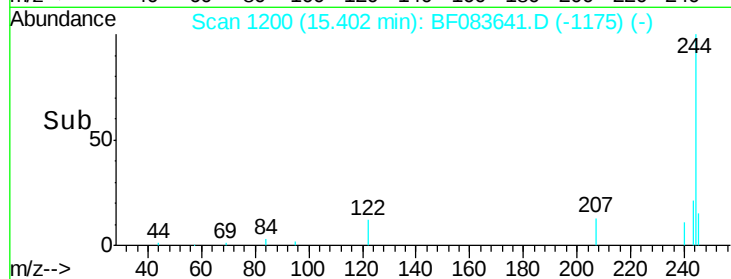
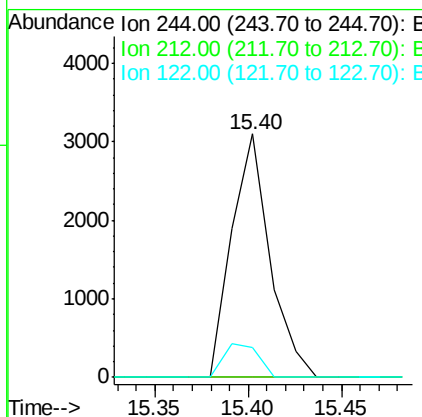
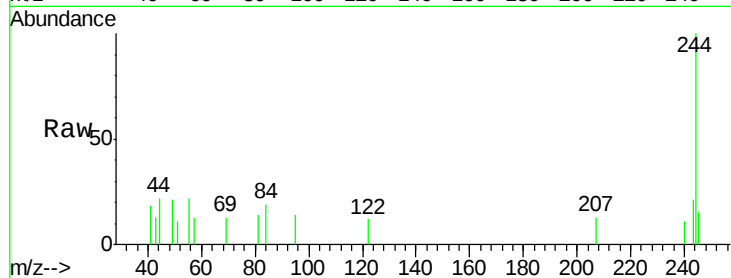




#78
 Terphenyl-d14
 Concen: 0.34 ng
 RT: 15.40 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

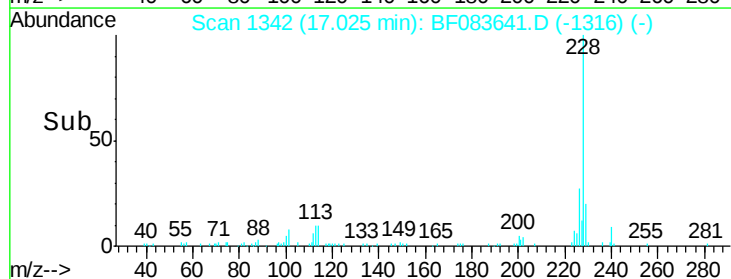
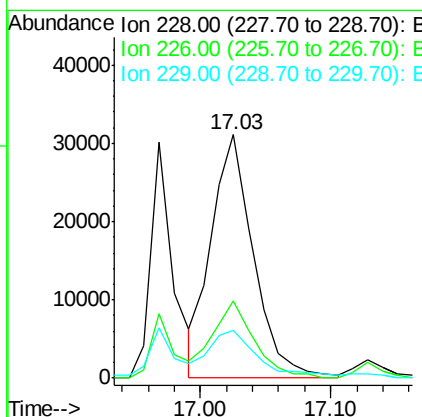
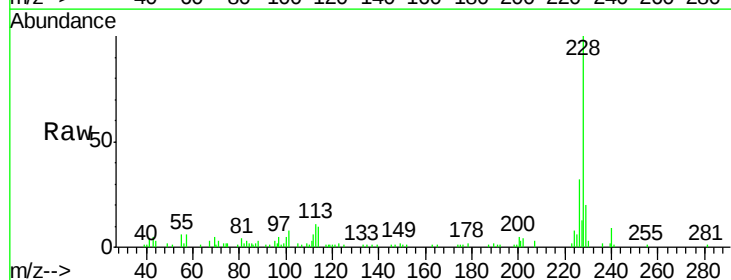
Instrument :
 BNA_F
 ClientSampleId :
 SHED-NORTH-WALLDL

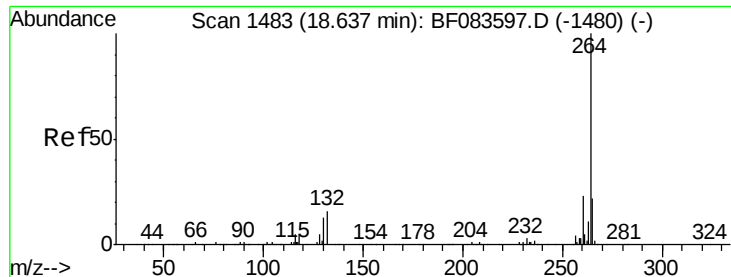
Tgt Ion:244 Resp: 4422
 Ion Ratio Lower Upper
 244 100
 212 0.0 6.1 9.1#
 122 12.4 11.0 16.6



#82
 Chrysene
 Concen: 3.86 ng
 RT: 17.03 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: BF083641.D
 Acq: 9 Dec 2015 16:03

Tgt Ion:228 Resp: 70236
 Ion Ratio Lower Upper
 228 100
 226 31.7 24.7 37.1
 229 19.7 16.3 24.5





#86

Perylene-d12

Concen: 20.00 ng

RT: 18.63 min Scan# 1482

Delta R.T. -0.01 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

Instrument :

BNA_F

ClientSampleId :

SHED-NORTH-WALLDL

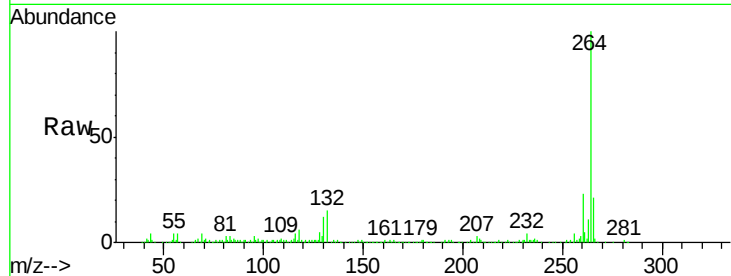
Tgt Ion:264 Resp: 257409

Ion Ratio Lower Upper

264 100

260 23.5 19.4 29.0

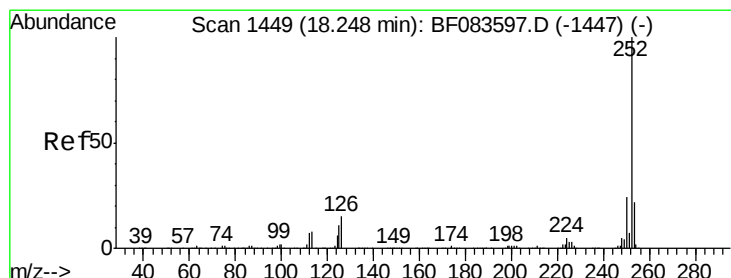
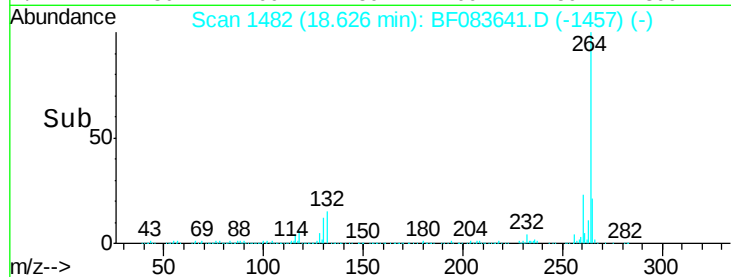
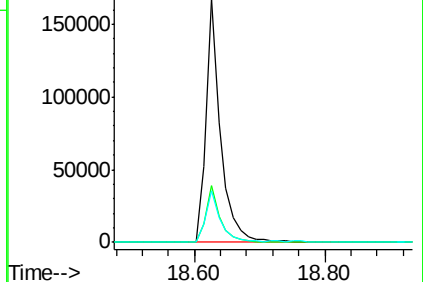
265 21.2 17.8 26.6



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: 3.96 ng

RT: 18.26 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF083641.D

Acq: 9 Dec 2015 16:03

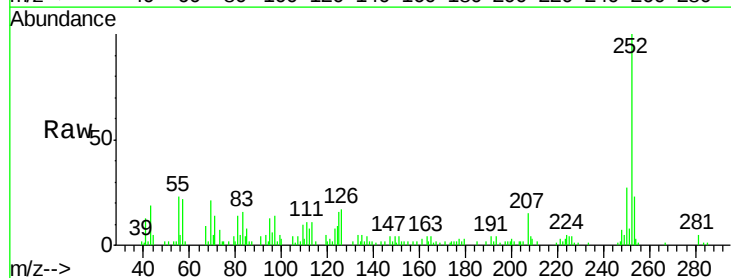
Tgt Ion:252 Resp: 58022

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.4

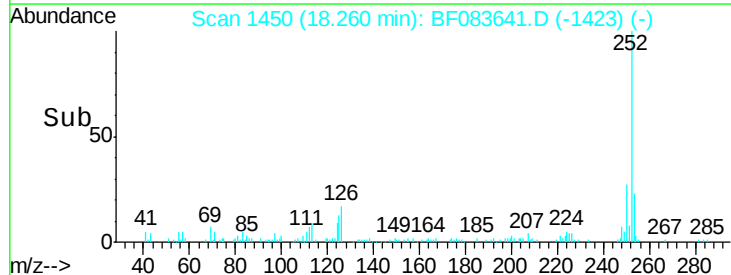
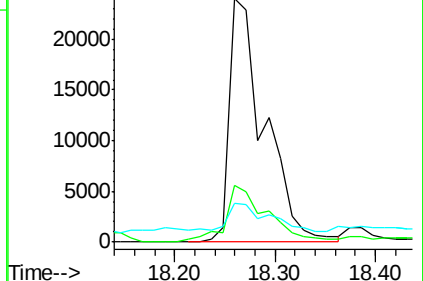
125 16.2 8.2 12.4#

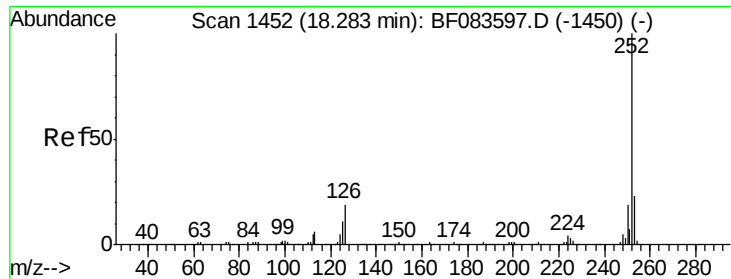


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 3.59 ng

RT: 18.26 min Scan# 1450

Delta R.T. -0.02 min

Lab File: BF083641.D

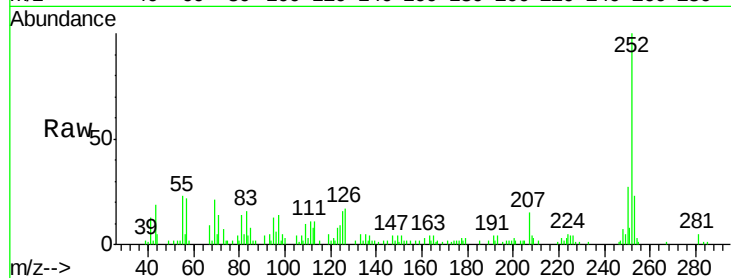
Acq: 9 Dec 2015 16:03

Instrument :

BNA_F

ClientSampleId :

SHED-NORTH-WALLDL



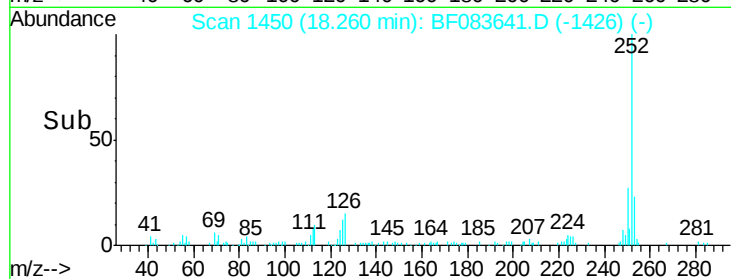
Tgt Ion:252 Resp: 58022

Ion Ratio Lower Upper

252 100

253 23.3 18.6 27.8

125 16.2 11.5 17.3



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

