

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF120915\
 Data File : BF083642.D
 Acq On : 9 Dec 2015 16:32
 Operator : UM/IZ
 Sample : G4579-12DL 250X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALLDL

Quant Time: Dec 10 00:35:35 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	133308	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	564733	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	289506	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	515516	20.00	ng	-0.02
75) Chrysene-d12	16.98	240	361765	20.00	ng	-0.01
86) Perylene-d12	18.63	264	302038	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.18	112	232	0.03	ng	0.21
7) Phenol-d6	5.47	99	2167	0.18	ng	0.19
23) Nitrobenzene-d5	6.68	82	3269	0.27	ng	0.15
41) 2,4,6-Tribromophenol	11.70	330	1088	0.42	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	8992	0.44	ng	-0.01
78) Terphenyl-d14	15.39	244	8637	0.56	ng	-0.02

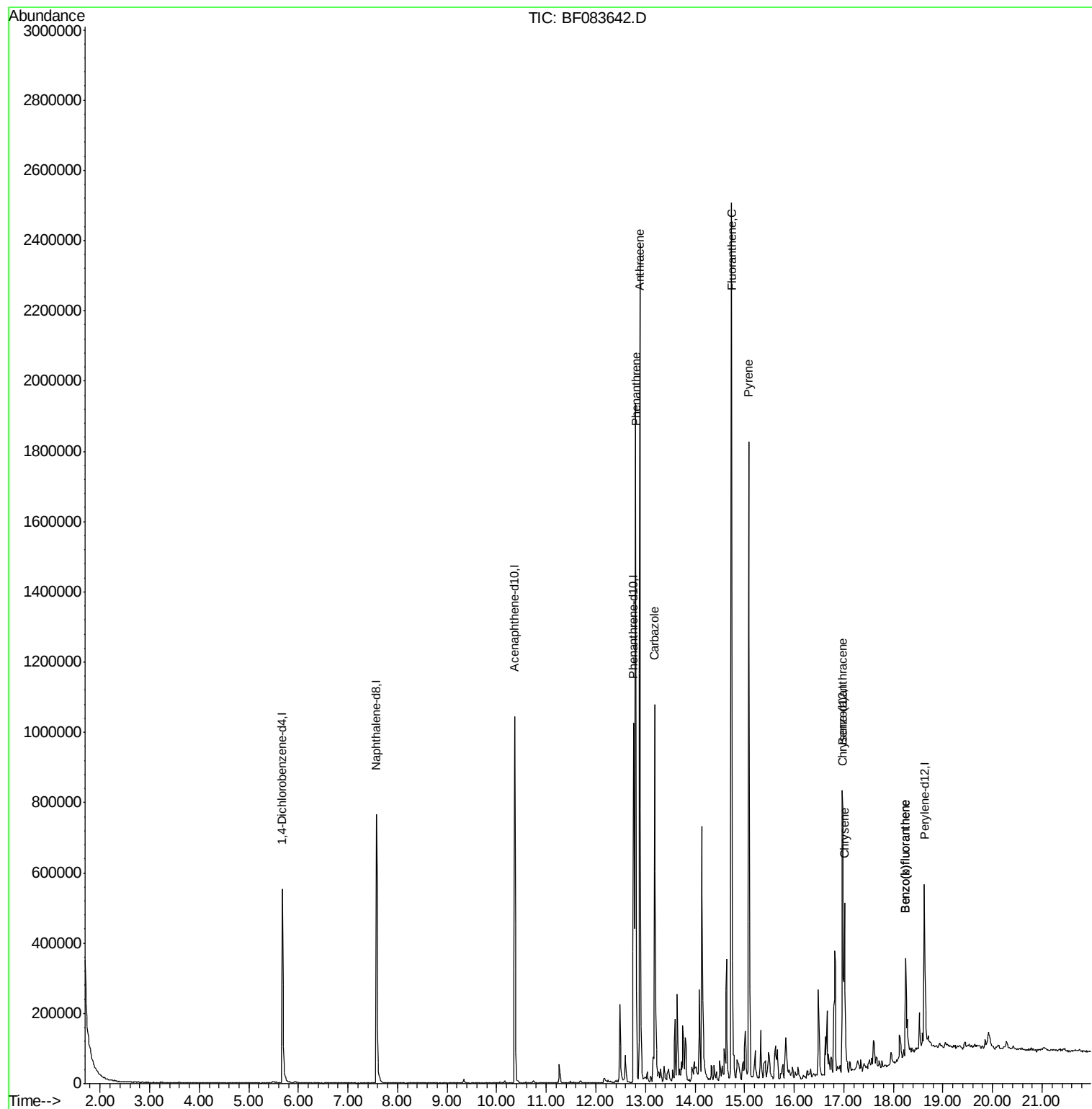
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.81	178	1264774	42.70	ng	99
71) Anthracene	12.89	178	1366434	44.53	ng	99
72) Carbazole	13.19	167	664155	25.24	ng	98
74) Fluoranthene	14.74	202	1810609	59.76	ng	98
77) Pyrene	15.08	202	937207	35.98	ng	# 96
80) Benzo(a)anthracene	16.97	228	127314	6.01	ng	96
82) Chrysene	17.01	228	309895	14.60	ng	98
87) Benzo(b)fluoranthene	18.25	252	199574	11.60	ng	98
88) Benzo(k)fluoranthene	18.25	252	199574	10.53	ng	96

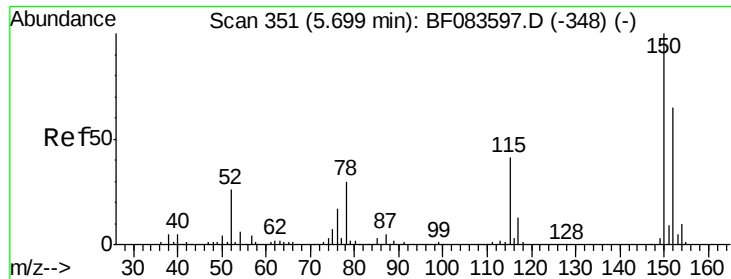
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.68 min Scan# 349

Delta R.T. -0.02 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

Instrument :

BNA_F

ClientSampleId :

SHED-EAST-WALLDL

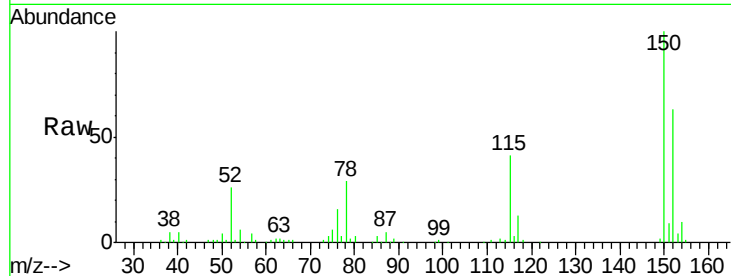
Tgt Ion:152 Resp: 133308

Ion Ratio Lower Upper

152 100

150 157.6 126.5 189.7

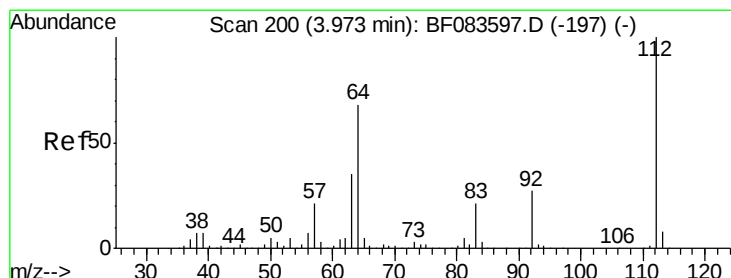
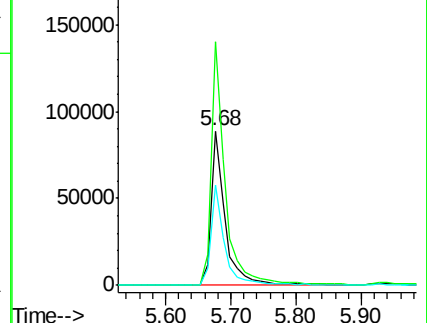
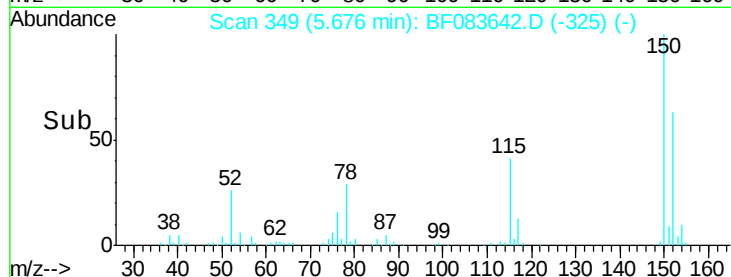
115 65.1 52.3 78.5



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: 0.03 ng

RT: 4.18 min Scan# 218

Delta R.T. 0.21 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

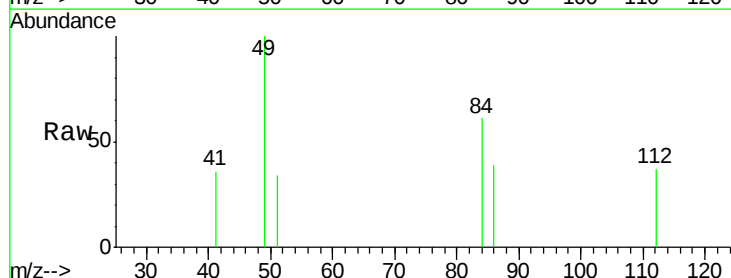
Tgt Ion:112 Resp: 232

Ion Ratio Lower Upper

112 100

64 0.0 50.5 75.7#

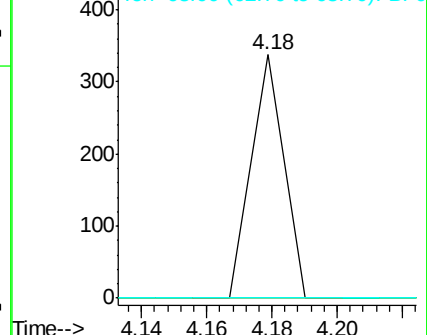
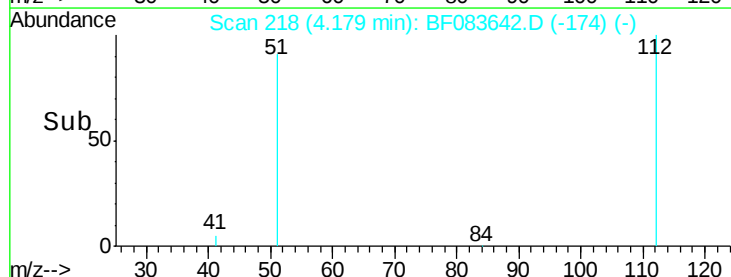
63 0.0 25.8 38.6#

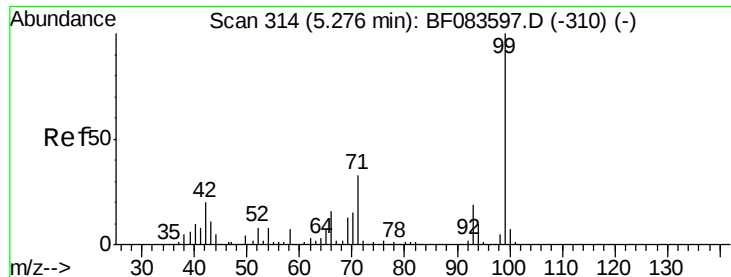


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 0.18 ng

RT: 5.47 min Scan# 331

Delta R.T. 0.19 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

Instrument :

BNA_F

ClientSampleId :

SHED-EAST-WALLDL

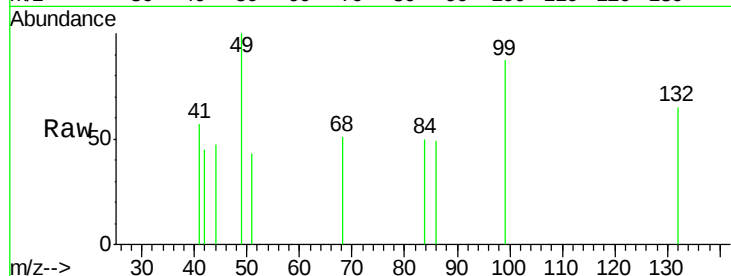
Tgt Ion: 99 Resp: 2167

Ion Ratio Lower Upper

99 100

42 51.8 17.3 25.9#

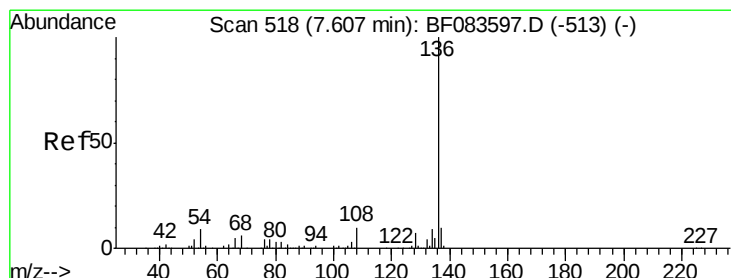
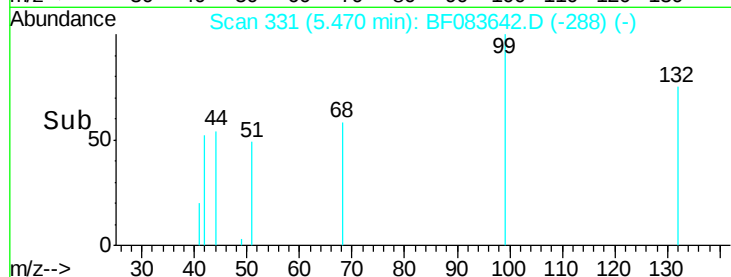
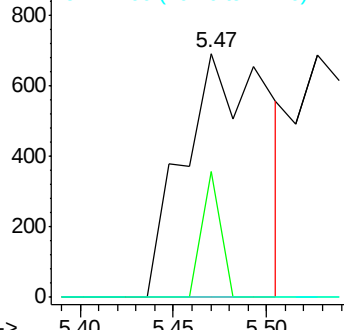
71 0.0 26.6 40.0#



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: 7.57 min Scan# 515

Delta R.T. -0.03 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

Tgt Ion: 136 Resp: 564733

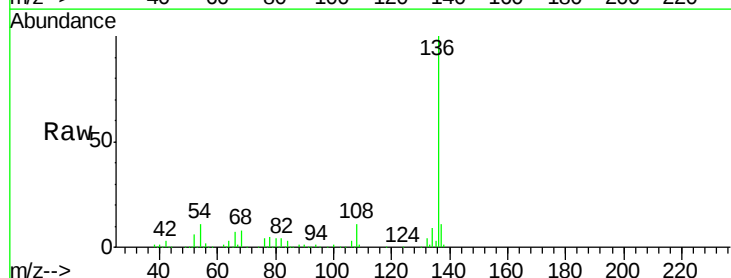
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.3 7.8 11.6

68 8.0 5.7 8.5

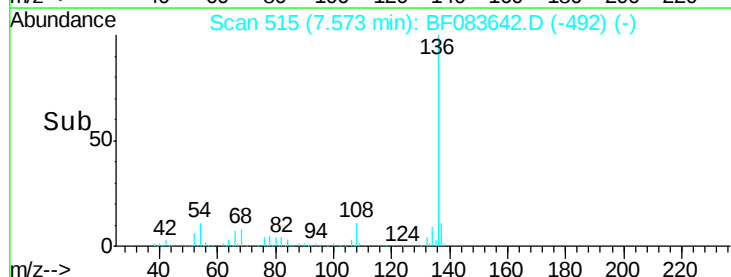
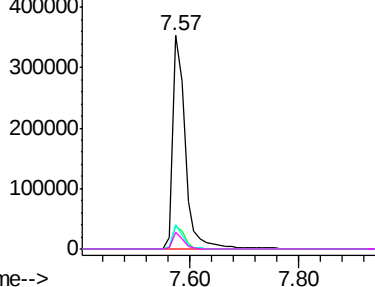


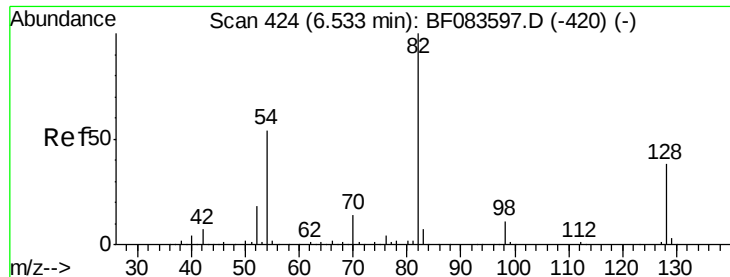
Abundance Ion 136.00 (135.70 to 136.70): E

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

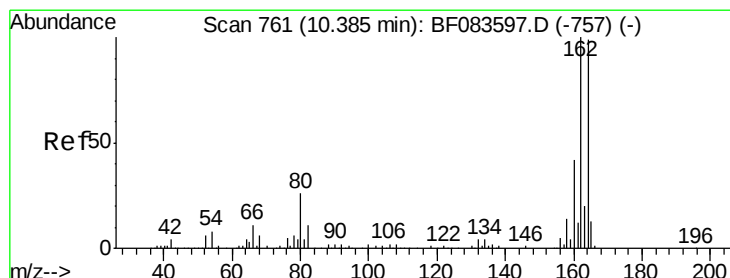
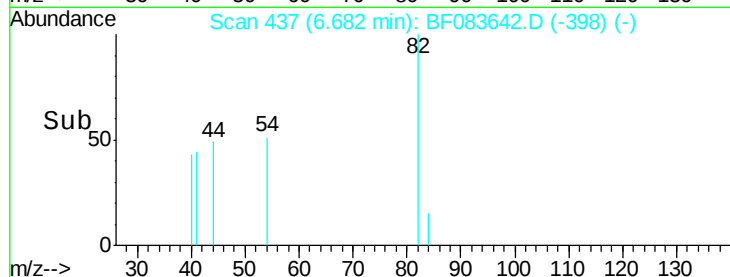
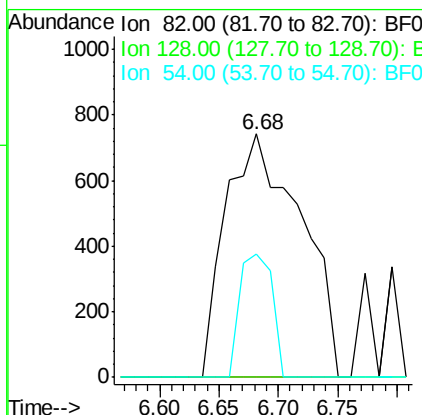
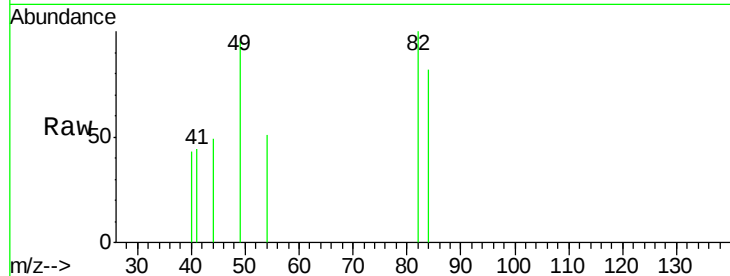




#23
 Nitrobenzene-d5
 Concen: 0.27 ng
 RT: 6.68 min Scan# 437
 Delta R.T. 0.15 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

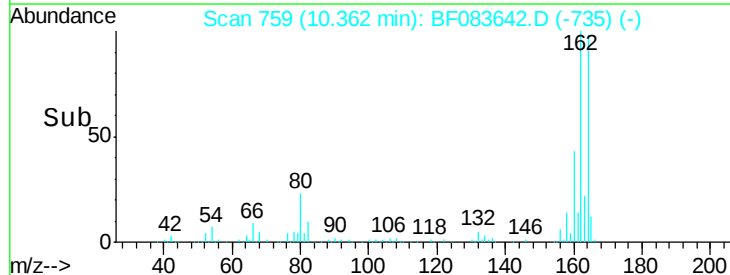
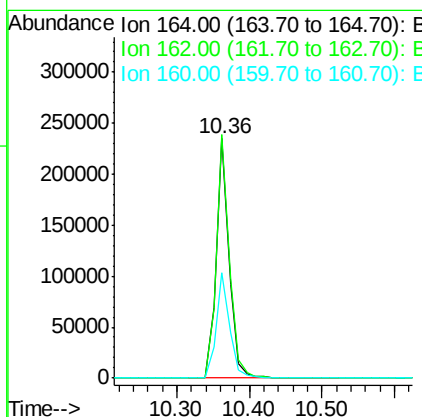
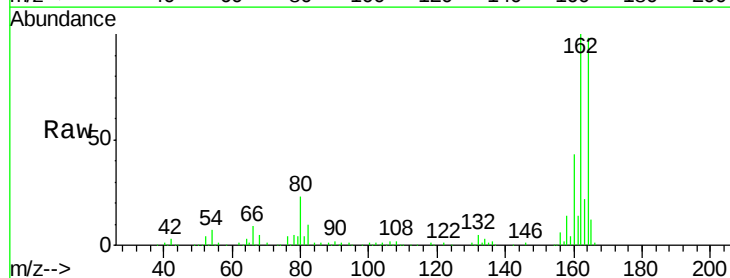
Instrument :
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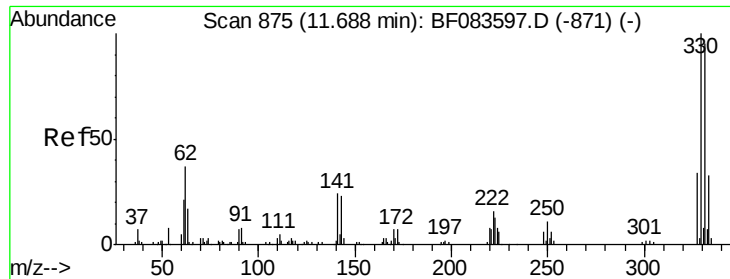
Tgt Ion: 82 Resp: 3269
 Ion Ratio Lower Upper
 82 100
 128 0.0 30.7 46.1#
 54 50.7 42.5 63.7



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Tgt Ion: 164 Resp: 289506
 Ion Ratio Lower Upper
 164 100
 162 101.7 78.8 118.2
 160 43.9 33.4 50.2

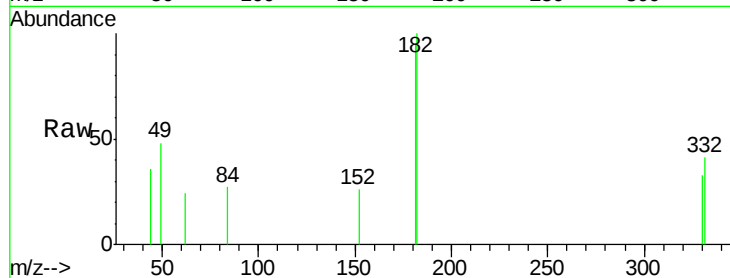




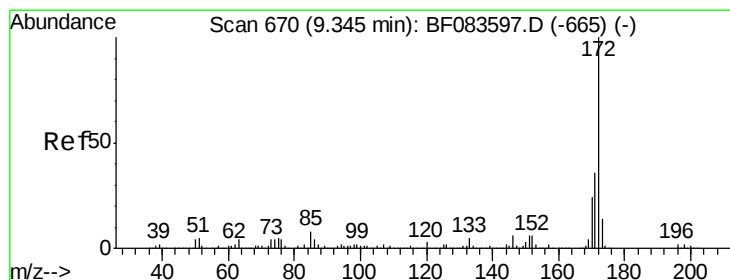
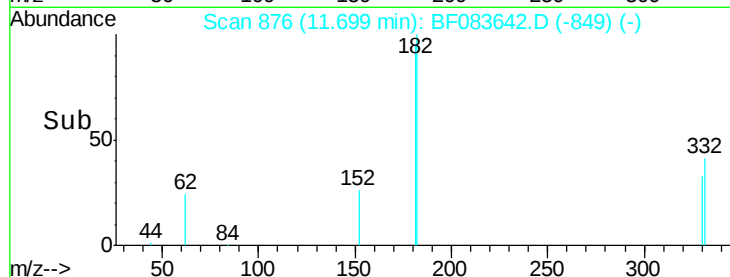
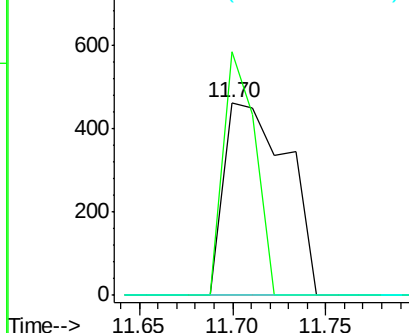
#41
 2,4,6-Tribromophenol
 Concen: 0.42 ng
 RT: 11.70 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALLDL

Tgt Ion: 330 Resp: 1088
 Ion Ratio Lower Upper
 330 100
 332 64.1 0.0 0.0#
 141 0.0 0.0 0.0

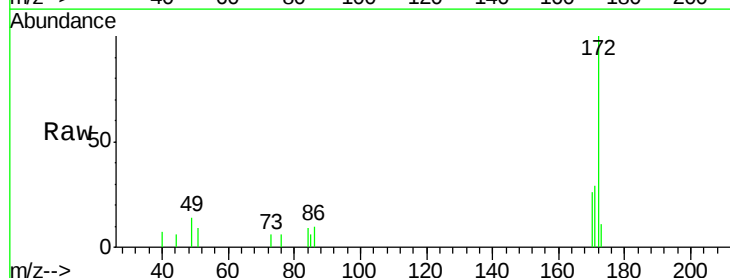


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

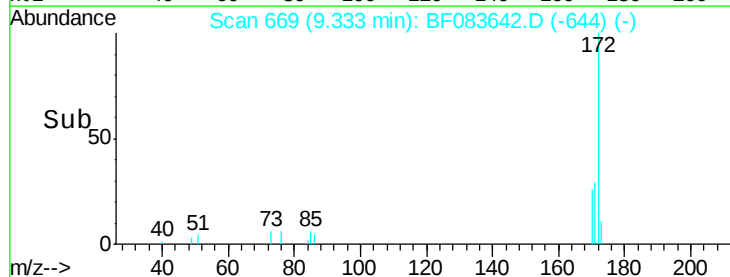
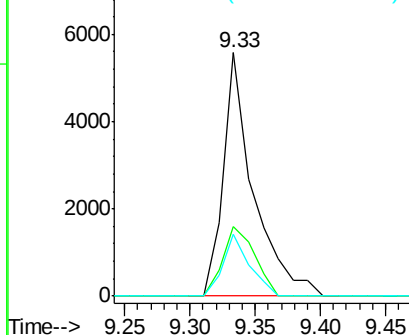


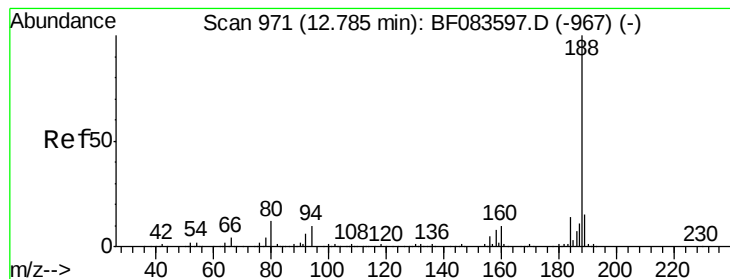
#44
 2-Fluorobiphenyl
 Concen: 0.44 ng
 RT: 9.33 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Tgt Ion: 172 Resp: 8992
 Ion Ratio Lower Upper
 172 100
 171 28.7 28.6 42.8
 170 25.6 19.4 29.0



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





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.76 min Scan# 969

Delta R.T. -0.02 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

Instrument :

BNA_F

ClientSampleId :

SHED-EAST-WALLDL

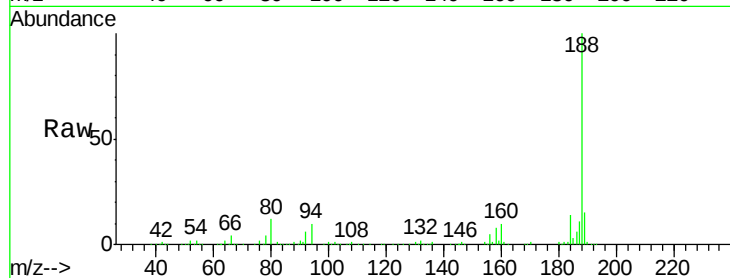
Tgt Ion:188 Resp: 515516

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

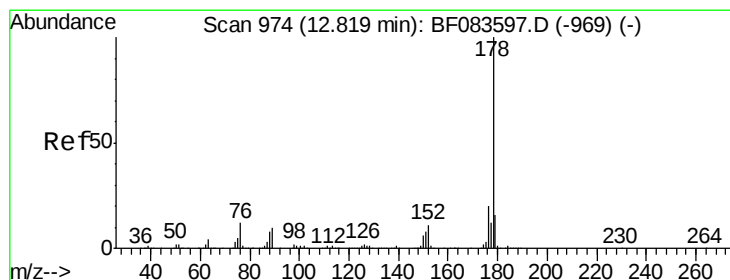
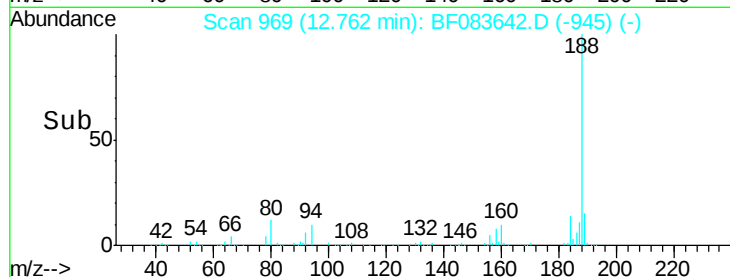
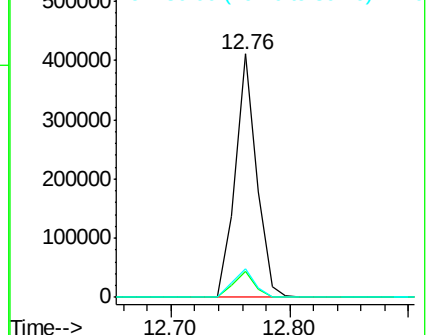
80 12.0 10.6 16.0



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: 42.70 ng

RT: 12.81 min Scan# 973

Delta R.T. -0.01 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

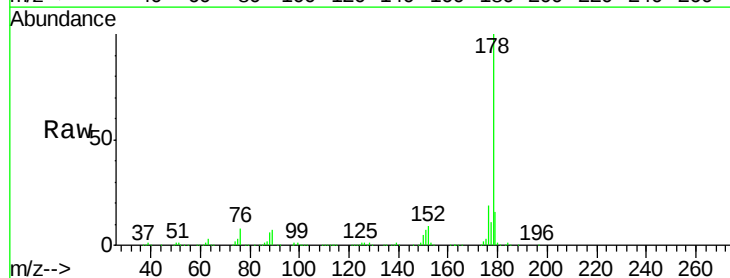
Tgt Ion:178 Resp: 1264774

Ion Ratio Lower Upper

178 100

176 19.3 15.7 23.5

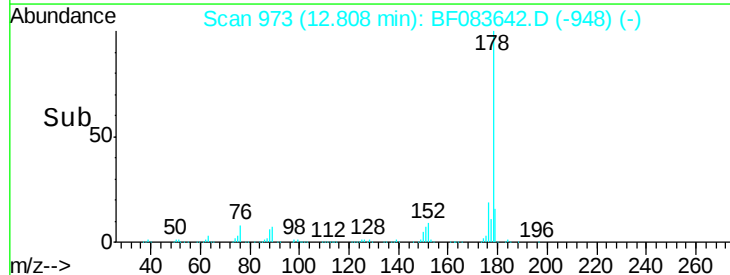
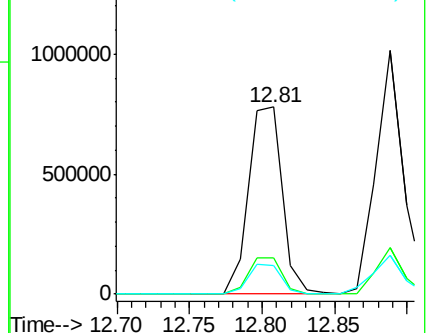
179 15.5 12.2 18.4

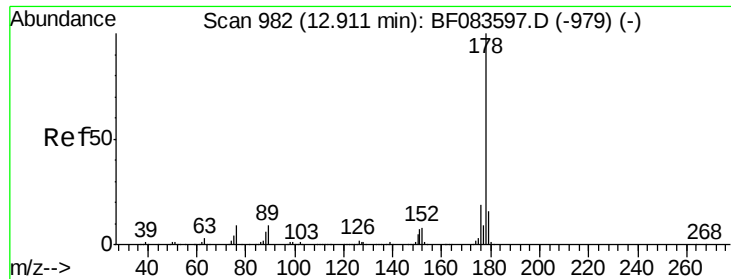


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

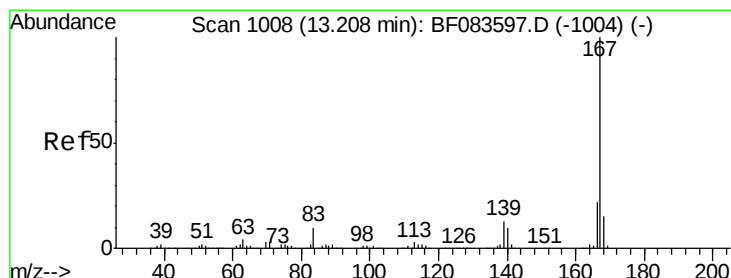
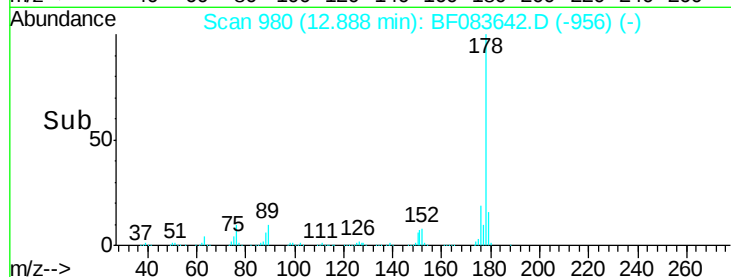
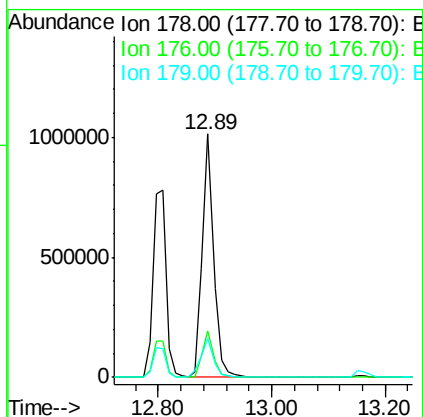
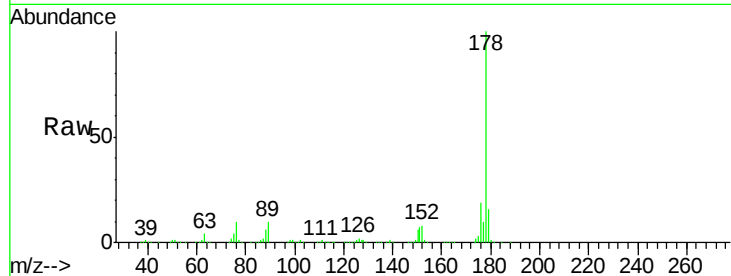




#71
 Anthracene
 Concen: 44.53 ng
 RT: 12.89 min Scan# 980
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

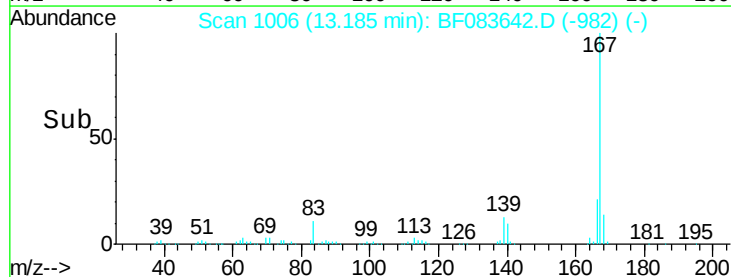
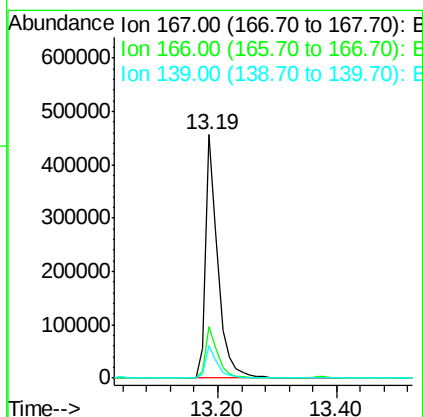
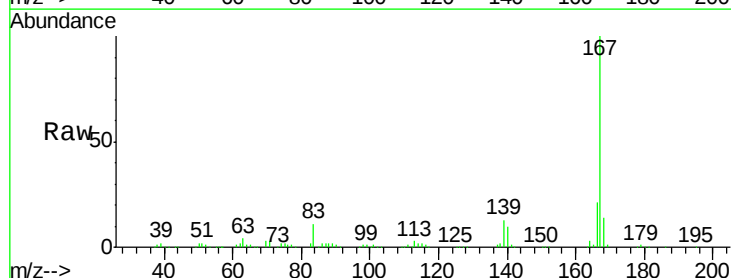
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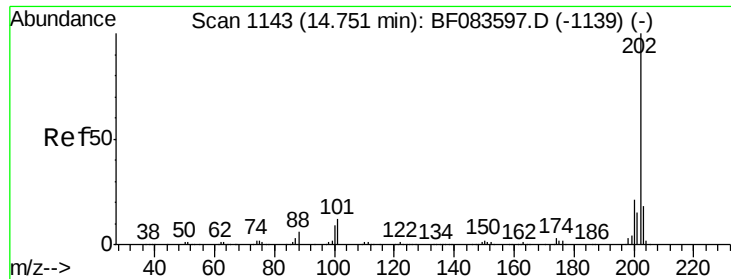
Tgt Ion:178 Resp: 1366434
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 16.2 12.6 18.8



#72
 Carbazole
 Concen: 25.24 ng
 RT: 13.19 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Tgt Ion:167 Resp: 664155
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.2 25.8
 139 13.2 9.3 13.9





#74

Fluoranthene

Concen: 59.76 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

Instrument :

BNA_F

ClientSampleId :

SHED-EAST-WALLDL

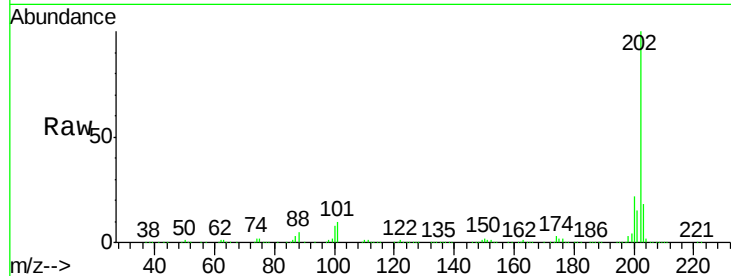
Tgt Ion:202 Resp: 1810609

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.5

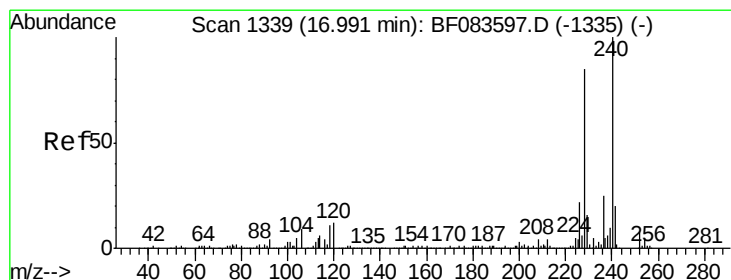
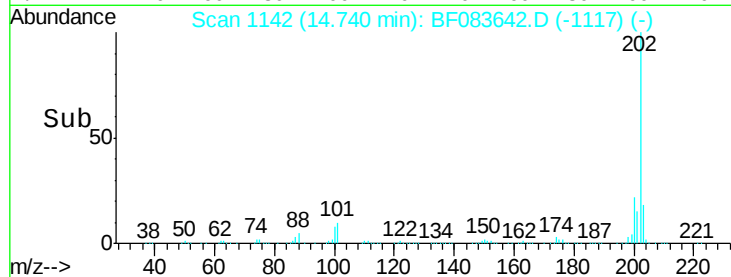
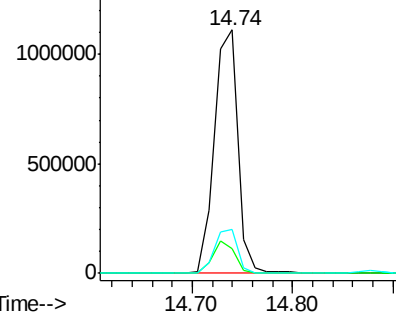
203 17.9 0.0 37.6



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: BF083642.D

Acq: 9 Dec 2015 16:32

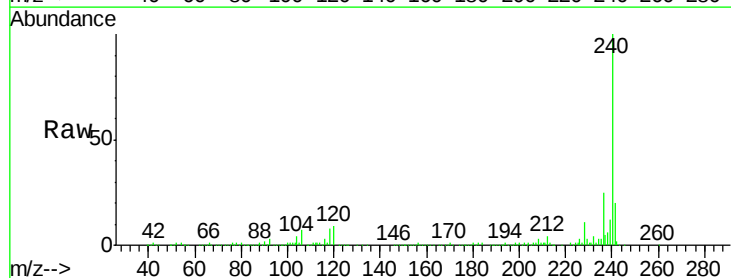
Tgt Ion:240 Resp: 361765

Ion Ratio Lower Upper

240 100

120 9.2 8.1 12.1

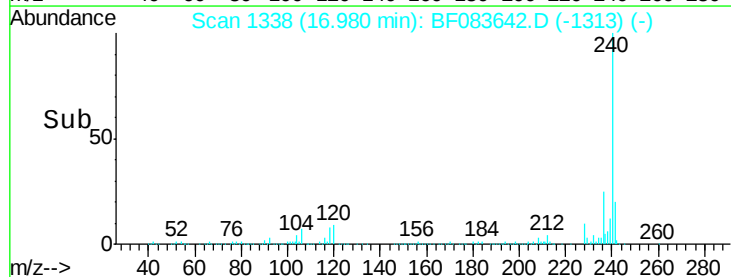
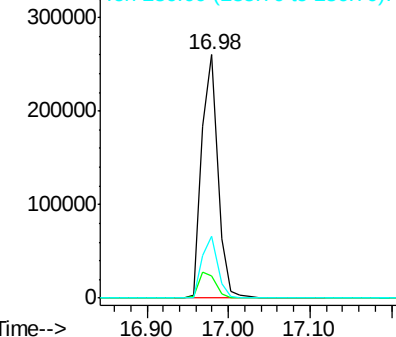
236 25.5 20.8 31.2

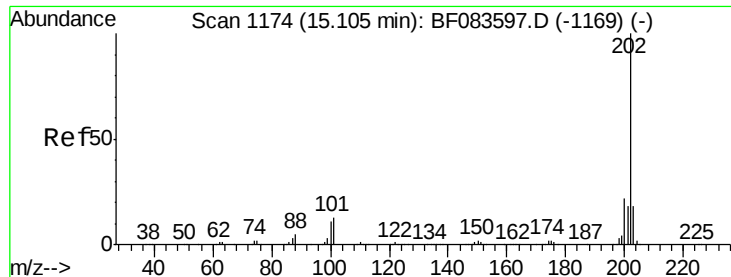


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

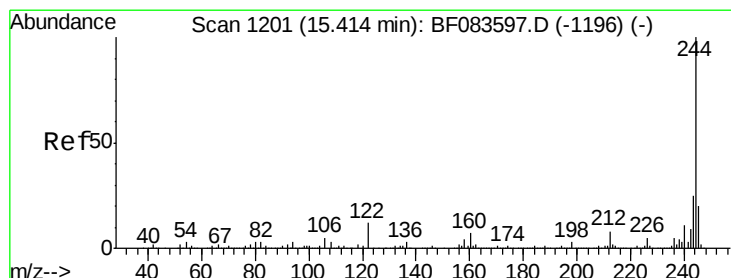
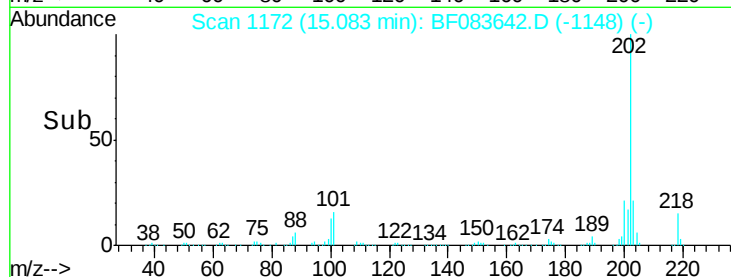
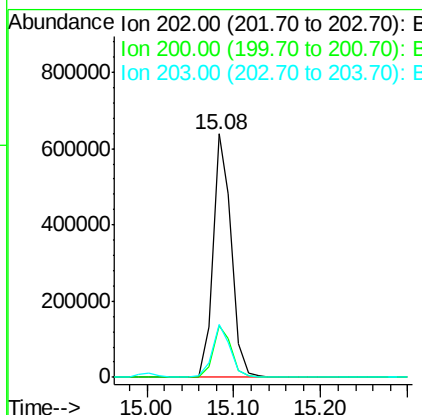
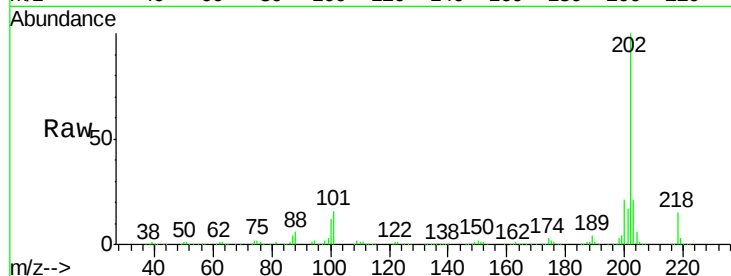




#77
 Pyrene
 Concen: 35.98 ng
 RT: 15.08 min Scan# 1172
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

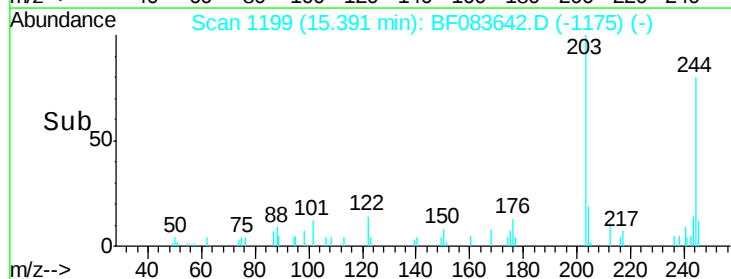
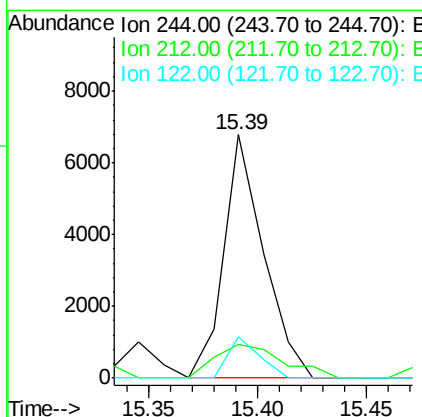
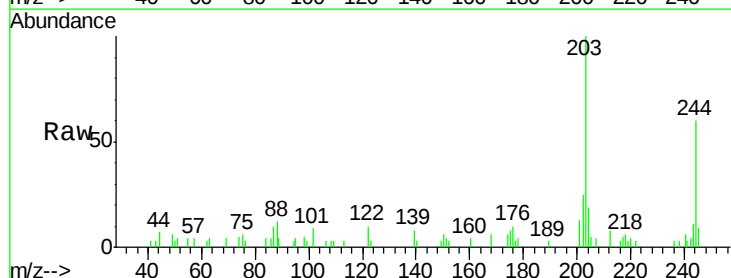
Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALLDL

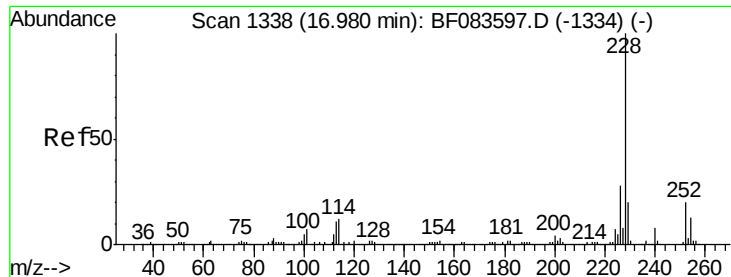
Tgt Ion: 202 Resp: 937207
 Ion Ratio Lower Upper
 202 100
 200 21.3 16.7 25.1
 203 21.5 14.3 21.5#



#78
 Terphenyl-d14
 Concen: 0.56 ng
 RT: 15.39 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Tgt Ion: 244 Resp: 8637
 Ion Ratio Lower Upper
 244 100
 212 13.7 6.1 9.1#
 122 17.1 11.0 16.6#





#80

Benzo(a)anthracene

Concen: 6.01 ng

RT: 16.97 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

Instrument :

BNA_F

ClientSampleId :

SHED-EAST-WALLDL

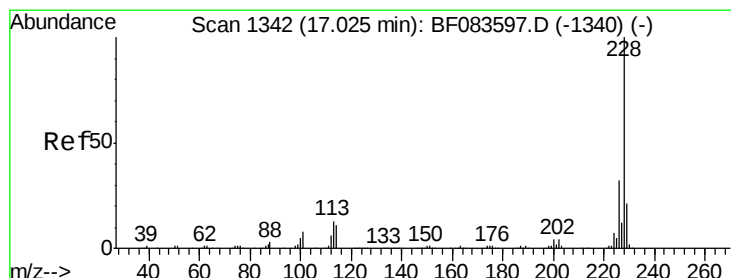
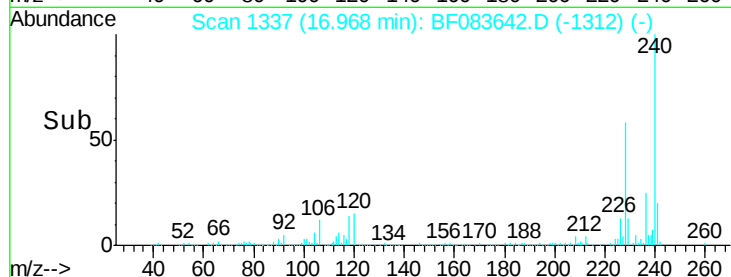
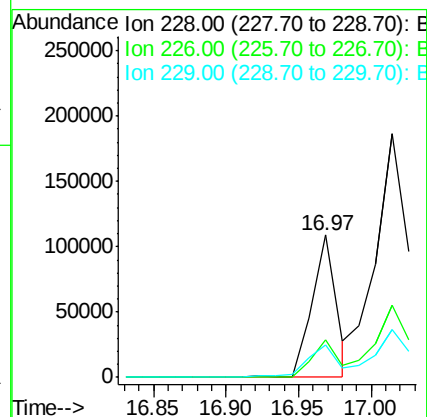
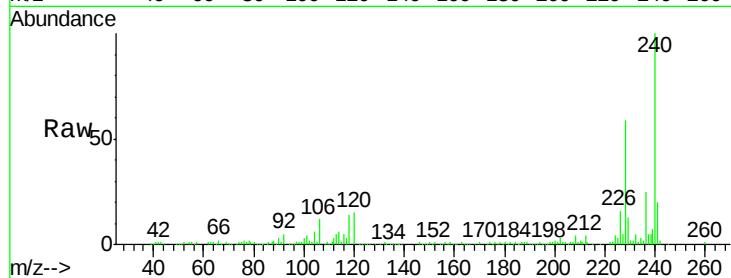
Tgt Ion:228 Resp: 127314

Ion Ratio Lower Upper

228 100

226 26.5 22.3 33.5

229 22.5 15.7 23.5



#82

Chrysene

Concen: 14.60 ng

RT: 17.01 min Scan# 1341

Delta R.T. -0.01 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

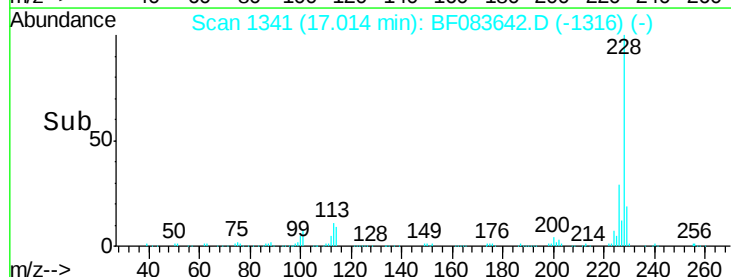
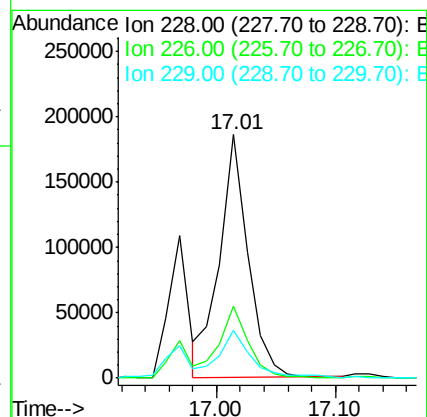
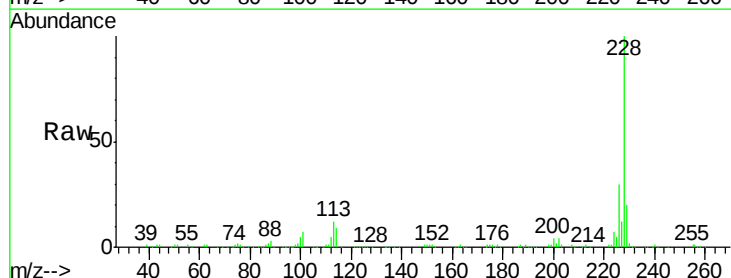
Tgt Ion:228 Resp: 309895

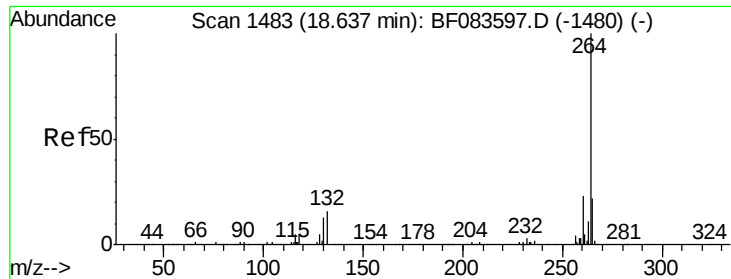
Ion Ratio Lower Upper

228 100

226 29.6 24.7 37.1

229 19.7 16.3 24.5

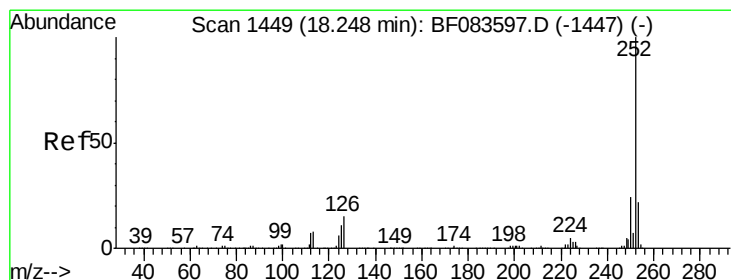
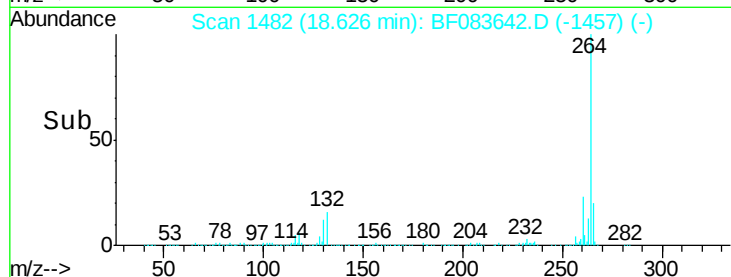
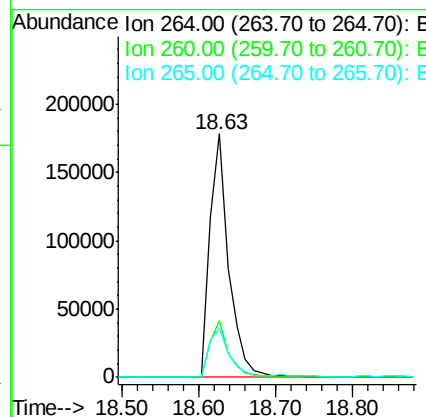
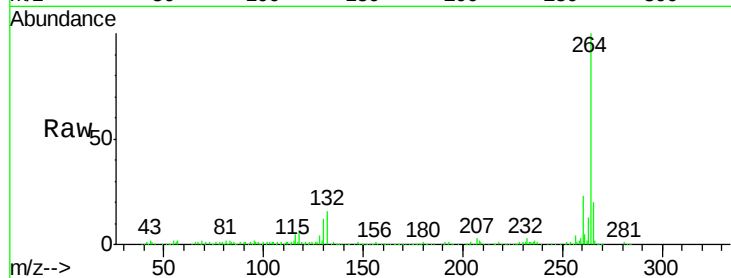




#86
Perylene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

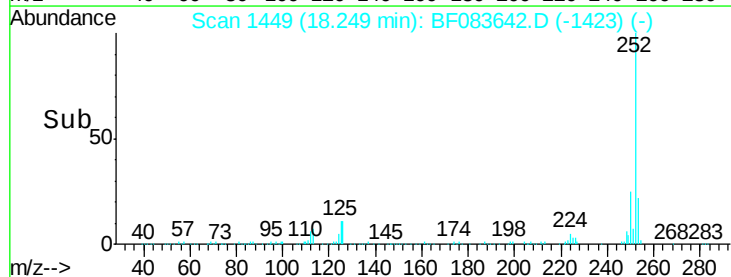
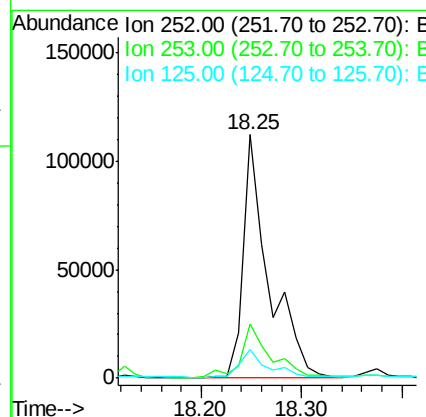
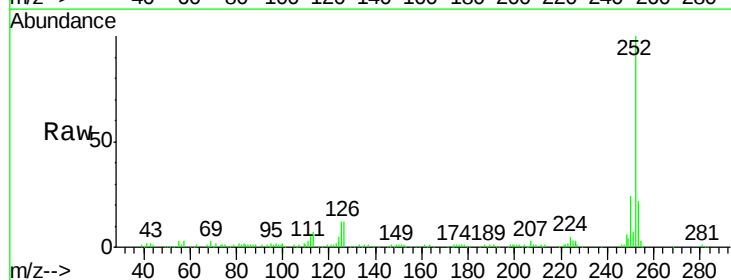
Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALLDL

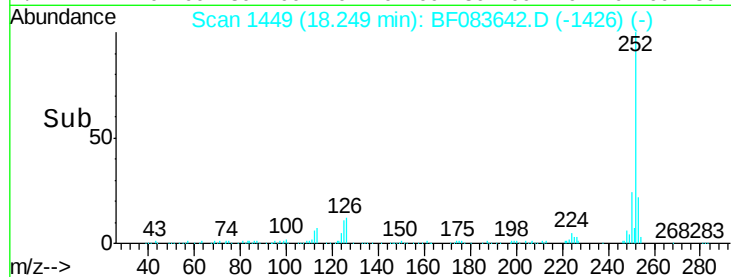
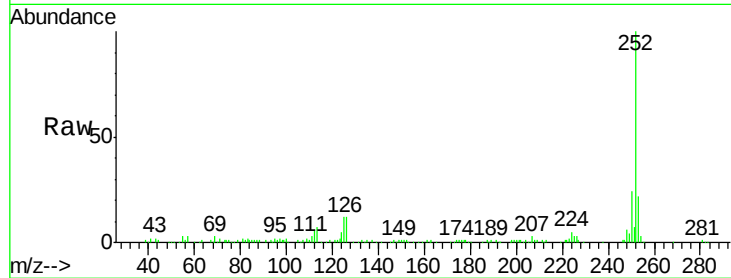
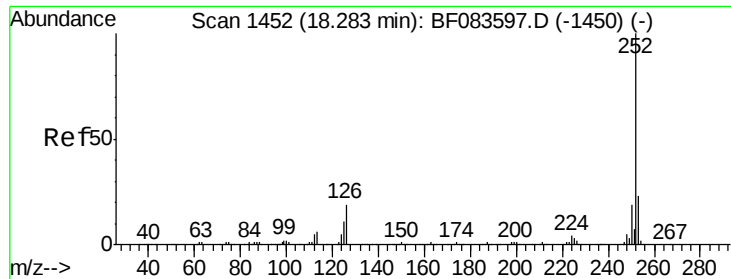
Tgt Ion:264 Resp: 302038
Ion Ratio Lower Upper
264 100
260 23.3 19.4 29.0
265 20.1 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 11.60 ng
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Tgt Ion:252 Resp: 199574
Ion Ratio Lower Upper
252 100
253 22.0 18.2 27.4
125 11.6 8.2 12.4





#88

Benzo(k)fluoranthene

Concen: 10.53 ng

RT: 18.25 min Scan# 1449

Delta R.T. -0.03 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

Instrument :

BNA_F

ClientSampleId :

SHED-EAST-WALLDL

Tgt Ion:252 Resp: 199574

Ion Ratio Lower Upper

252 100

253 22.0 18.6 27.8

125 11.6 11.5 17.3

