

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083680.D
 Acq On : 10 Dec 2015 12:13
 Operator : UM/IZ
 Sample : G4579-13DL 100X
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SHED-SOUTH-WALLDL

Manual Integrations
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MMdadoda
 12/10/2015 5:50:55 PM

Quant Time: Dec 10 13:00:03 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	130010	20.00	ng	-0.02
21) Naphthalene-d8	7.57	136	498163	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	227800	20.00	ng	-0.02
63) Phenanthrene-d10	12.76	188	357839	20.00	ng	-0.02
75) Chrysene-d12	16.97	240	309720	20.00	ng	-0.02
86) Perylene-d12	18.63	264	241880	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	6.70	82	224	0.02	ng	0.17
41) 2,4,6-Tribromophenol	11.72	330	213	0.10	ng	0.03
44) 2-Fluorobiphenyl	9.33	172	5382	0.33	ng	-0.01
78) Terphenyl-d14	15.39	244	3806	0.29	ng	-0.02
Target Compounds						
31) Naphthalene	7.62	128	115104	4.36	ng	99
37) 2-Methylnaphthalene	8.72	142	64019	3.86	ng	100
45) 1,1'-Biphenyl	9.48	154	43182	2.18	ng	98
51) Acenaphthene	10.41	154	422875	29.97	ng	98
54) Dibenzofuran	10.70	168	428402	21.89	ng	99
57) Fluorene	11.25	166	548927	32.14	ng	99
70) Phenanthrene	12.81	178	3663144	178.17	ng	97
71) Anthracene	12.89	178	422748m	19.85	ng	
72) Carbazole	13.19	167	285872	15.65	ng	99
74) Fluoranthene	14.74	202	2295926	109.16	ng	98
77) Pyrene	15.08	202	1474940	66.15	ng	# 92
80) Benzo(a)anthracene	16.96	228	257415m	14.20	ng	
82) Chrysene	17.01	228	320135	17.62	ng	97
87) Benzo(b)fluoranthene	18.25	252	159522m	11.58	ng	
88) Benzo(k)fluoranthene	18.27	252	66135m	4.36	ng	
89) Benzo(a)pyrene	18.58	252	66864m	4.97	ng	

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

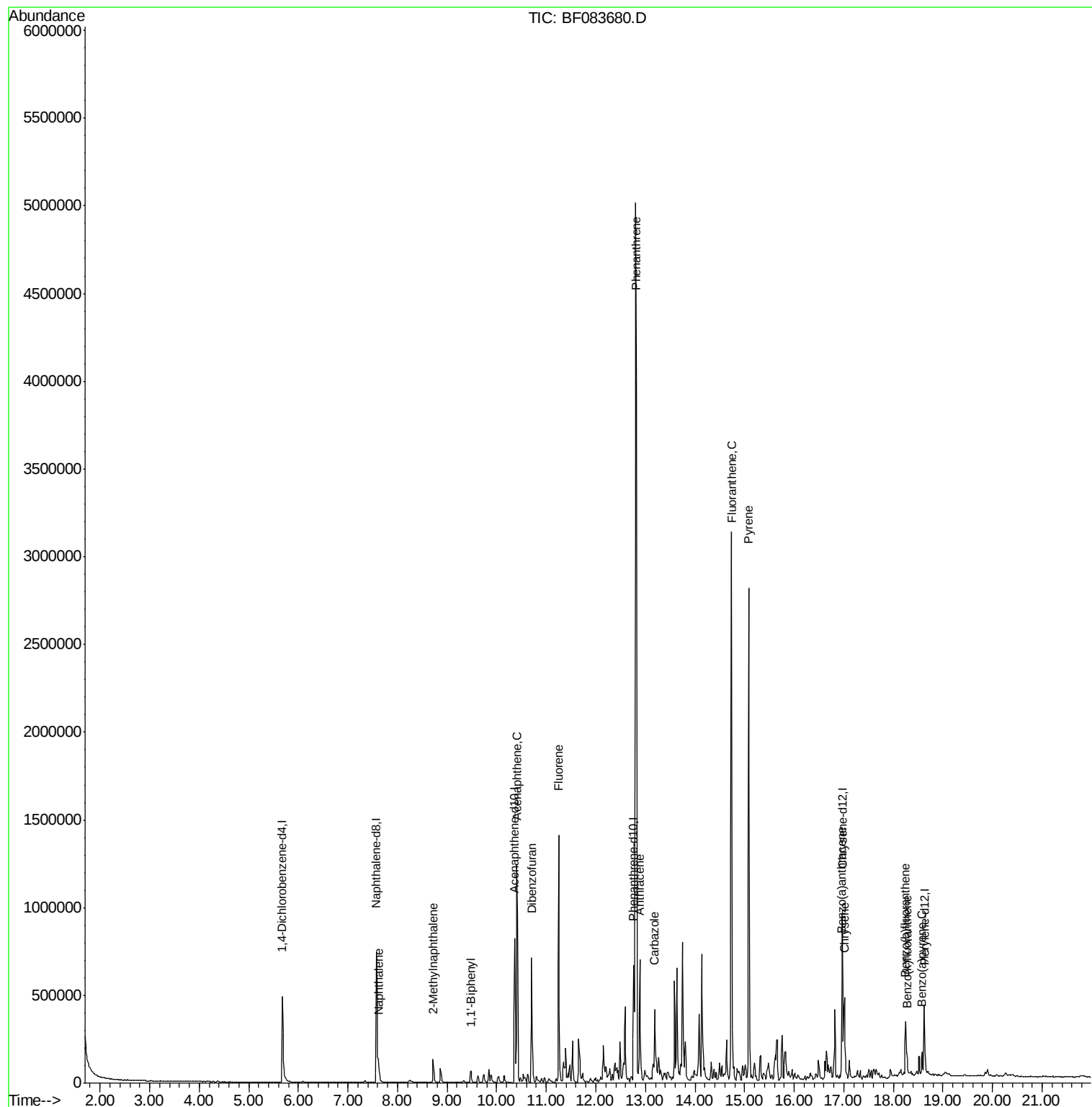
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
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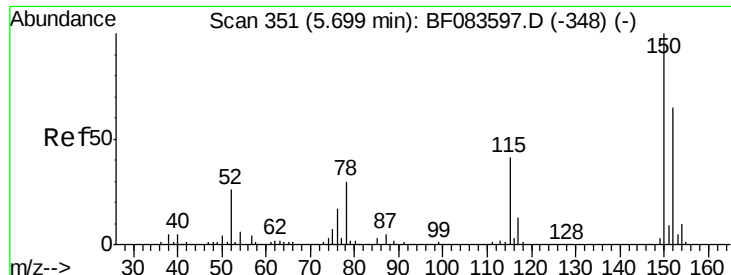
Instrument :
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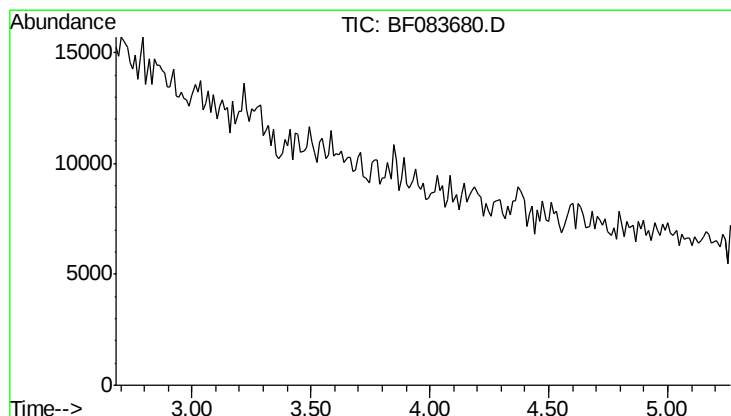
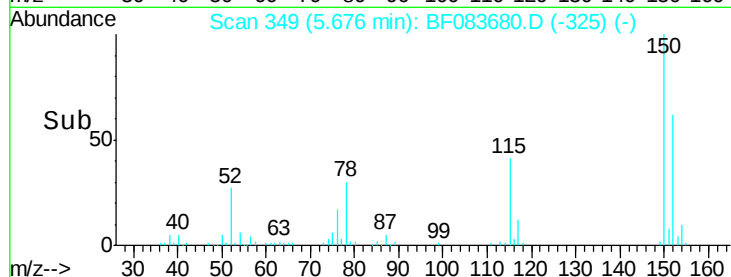
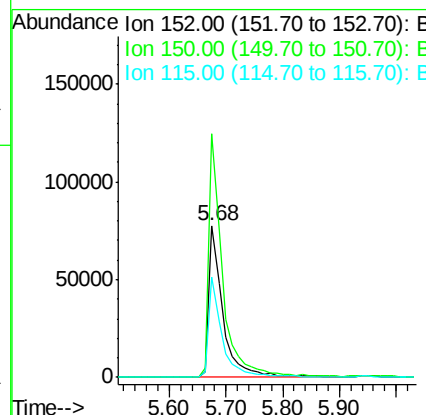
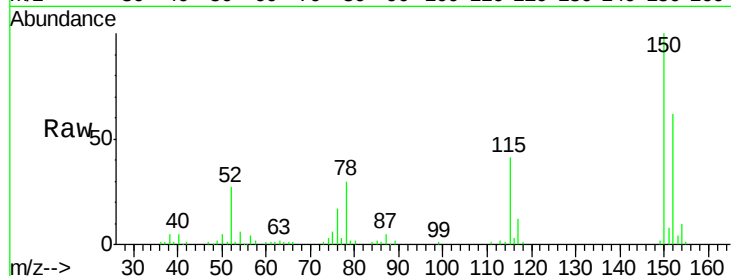
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 5.68 min Scan# 349
 Delta R.T. -0.02 min
 Lab File: BF083680.D
 Acq: 10 Dec 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SHED-SOUTH-WALLDL

Tot Ion	Ratio	Resp	Lower	Upper
152	100	130010		
150	160.1	126.5	189.7	
115	65.5	52.3	78.5	

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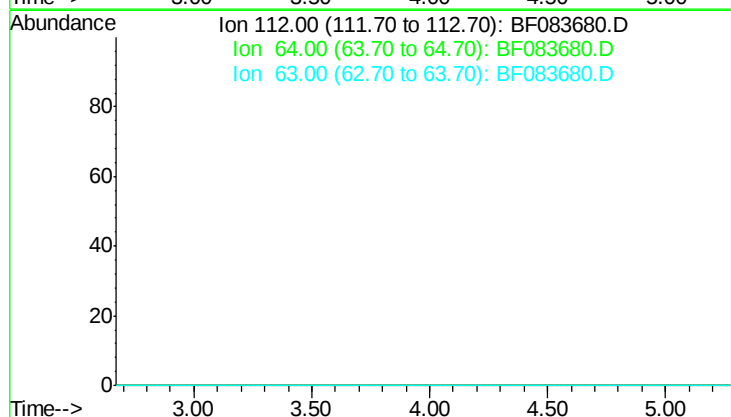
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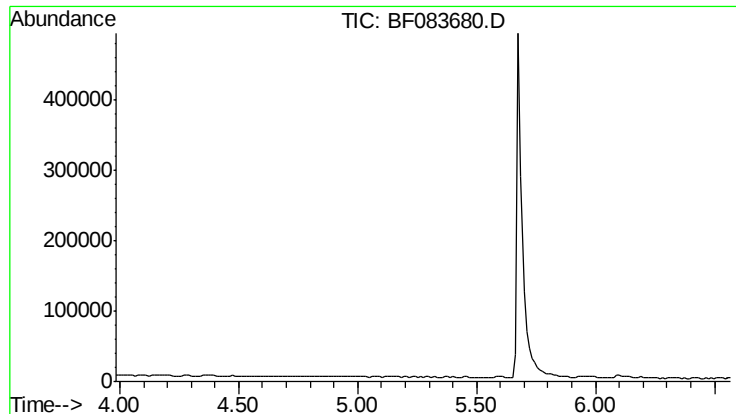


#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 3.97 min

Lab File: BF083680.D
 Acq: 10 Dec 2015 12:13

Tgt Ion	Sig	Exp Ratio
112	100	
64	63.1	
63	32.2	





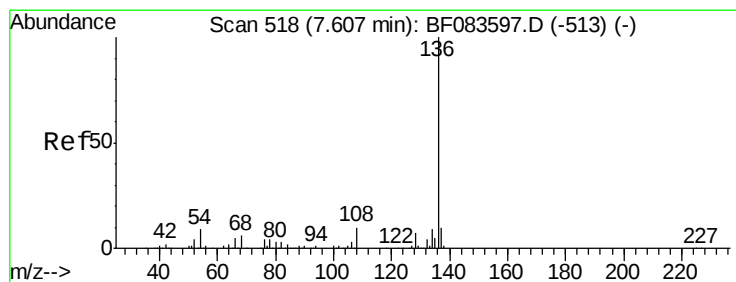
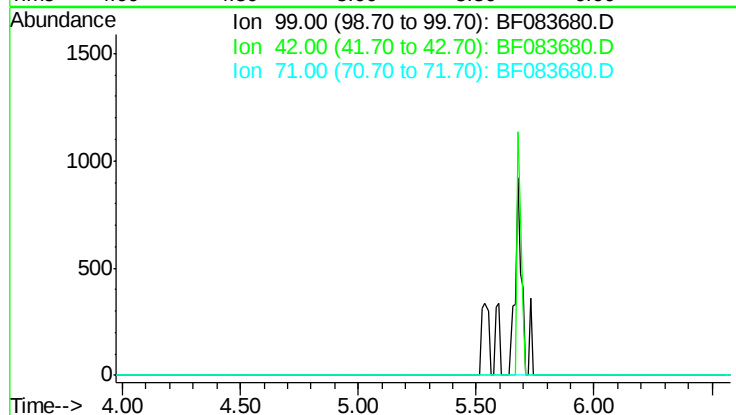
#7
 Phenol-d6
 Concen: 0.00 ng
 Expected RT: 5.28 min
 Lab File: BF083680.D
 Acq: 10 Dec 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SHED-SOUTH-WALLDL

Tot Ion	99
Sig	Exp Ratio
99	100
42	21.6
71	33.3

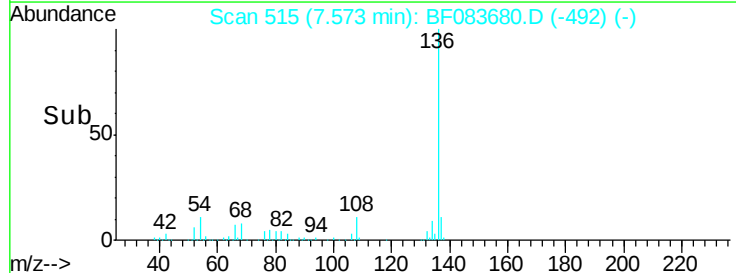
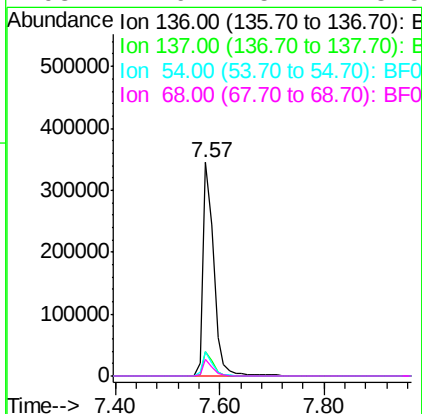
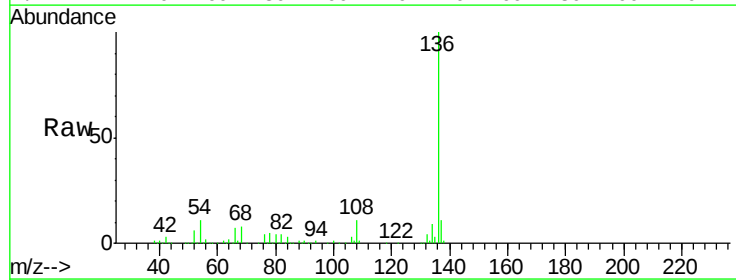
Manual Integrations
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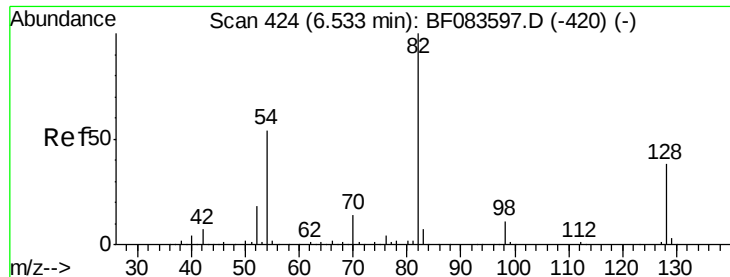
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#21
 Naphthalene-d8
 Concen: 20.00 ng
 RT: 7.57 min Scan# 515
 Delta R.T. -0.03 min
 Lab File: BF083680.D
 Acq: 10 Dec 2015 12:13

Tgt Ion	136	Resp	498163
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	11.1	7.8	11.6
68	7.9	5.7	8.5





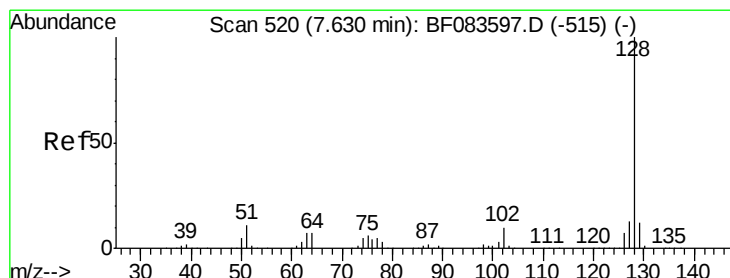
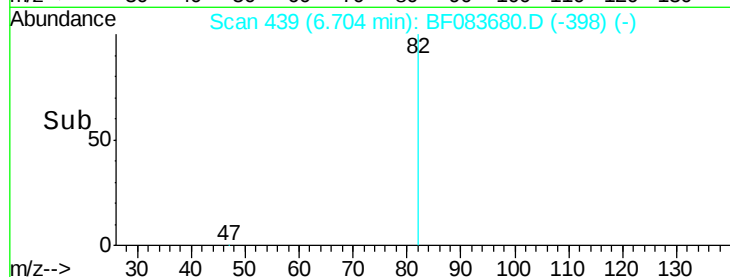
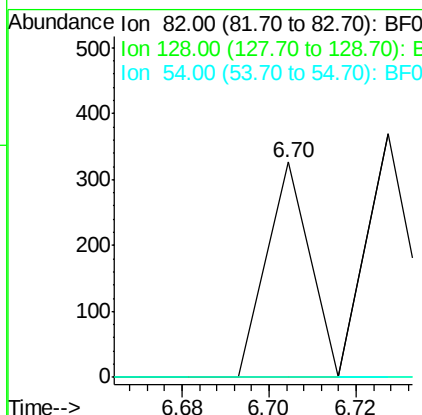
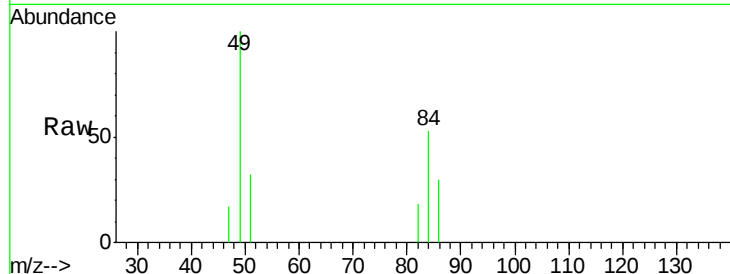
#23
 Nitrobenzene-d5
 Concen: 0.02 ng
 RT: 6.70 min Scan# 439
 Delta R.T. 0.17 min
 Lab File: BF083680.D
 Acq: 10 Dec 2015 12:13

Instrument :
 BNA_F
 ClientSampleId :
 SHED-SOUTH-WALLDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	30.7	46.1#
54	0.0	42.5	63.7#

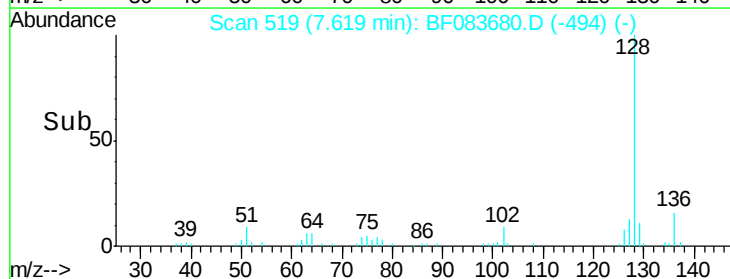
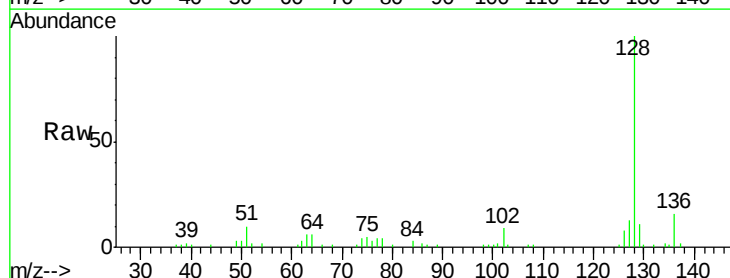
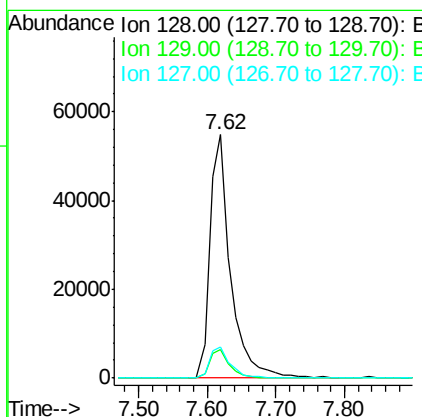
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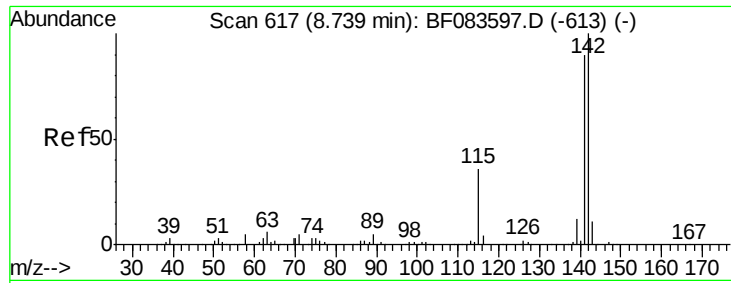
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#31
 Naphthalene
 Concen: 4.36 ng
 RT: 7.62 min Scan# 519
 Delta R.T. -0.01 min
 Lab File: BF083680.D
 Acq: 10 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	12.9	10.6	16.0





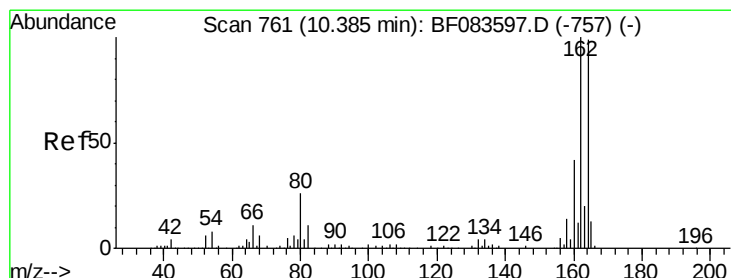
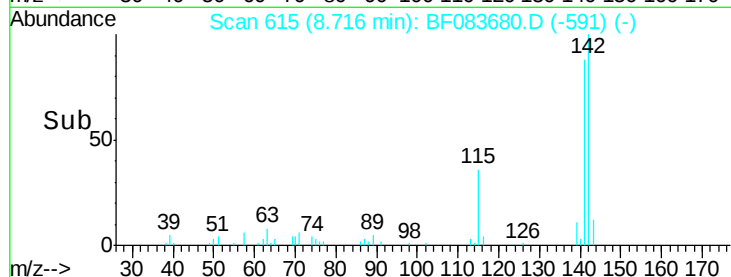
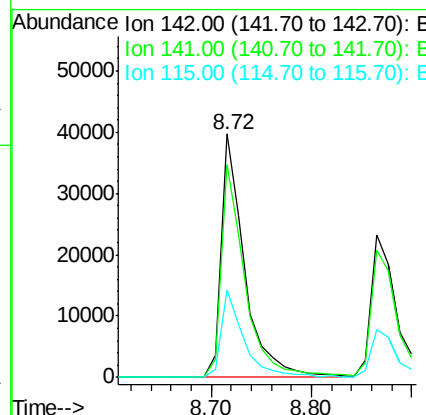
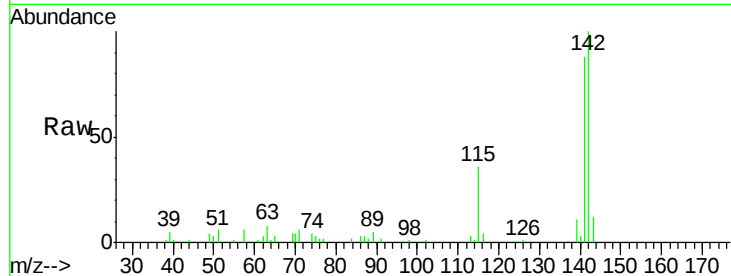
#37
2-Methylnaphthalene
Concen: 3.86 ng
RT: 8.72 min Scan# 615
Delta R.T. -0.02 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SHED-SOUTH-WALLDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.3	105.5
115	36.1	29.2	43.8

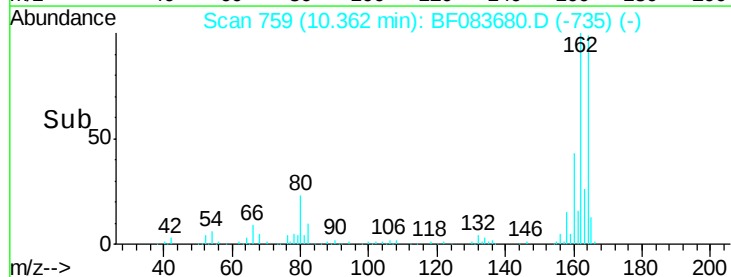
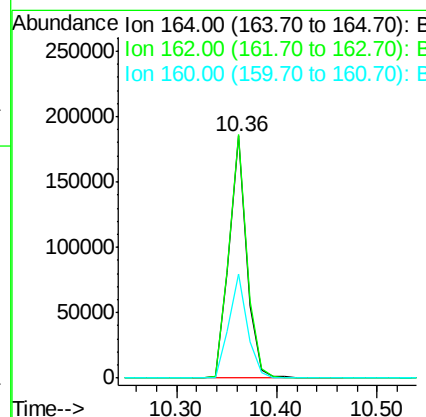
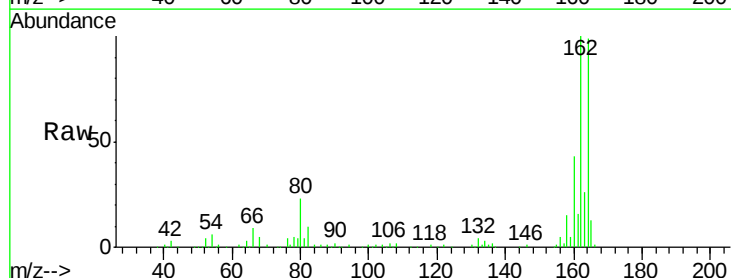
Manual Integrations
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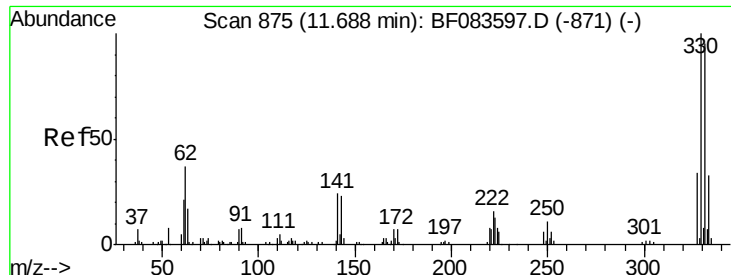
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.36 min Scan# 759
Delta R.T. -0.02 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.6	78.8	118.2
160	42.8	33.4	50.2





#41

2,4,6-Tribromophenol

Concen: 0.10 ng

RT: 11.72 min Scan# 878

Delta R.T. 0.03 min

Lab File: BF083680.D

Acq: 10 Dec 2015 12:13

Instrument :

BNA_F

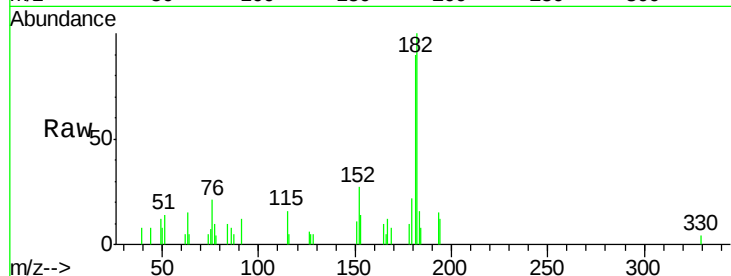
ClientSampleId :

SHED-SOUTH-WALLDL

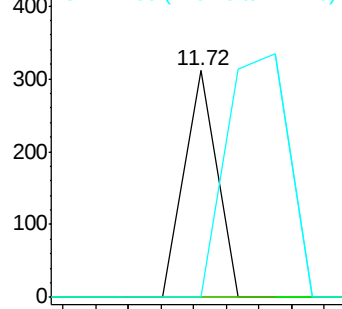
Tot Ion:	330	Resp:	213
Ion Ratio		Lower	Upper
330	100		
332	0.0	0.0	0.0
141	0.0	0.0	0.0

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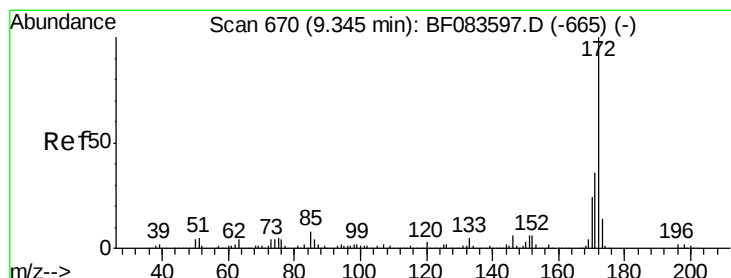
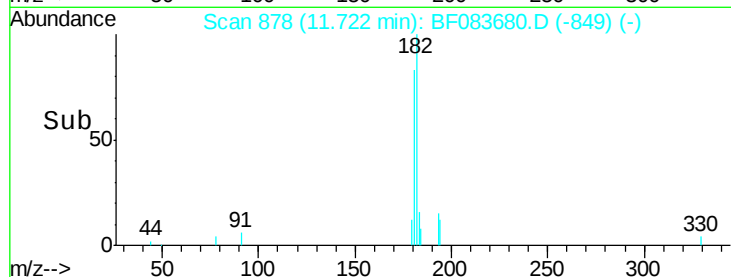
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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



Time-->



#44

2-Fluorobiphenyl

Concen: 0.33 ng

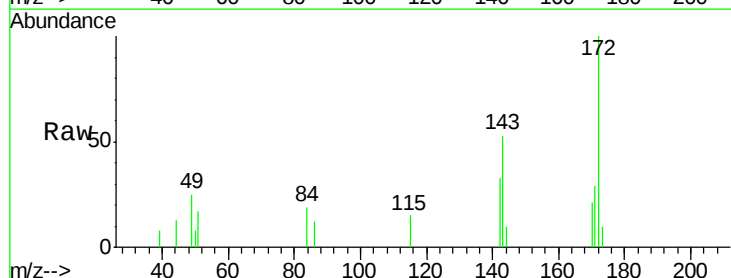
RT: 9.33 min Scan# 669

Delta R.T. -0.01 min

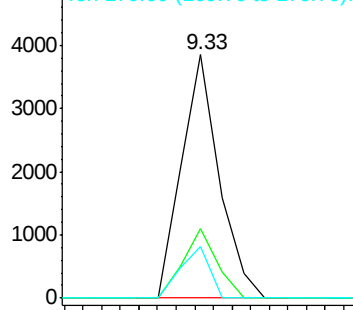
Lab File: BF083680.D

Acq: 10 Dec 2015 12:13

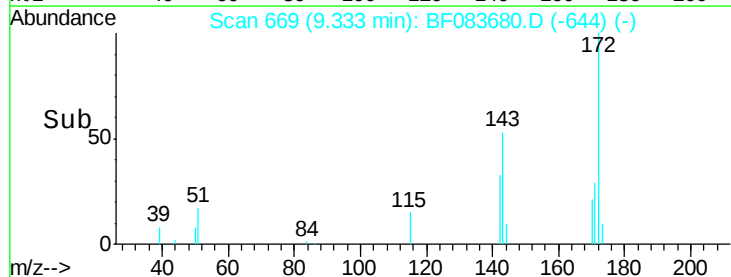
Tgt Ion:	172	Resp:	5382
Ion Ratio		Lower	Upper
172	100		
171	28.6	28.6	42.8
170	21.4	19.4	29.0

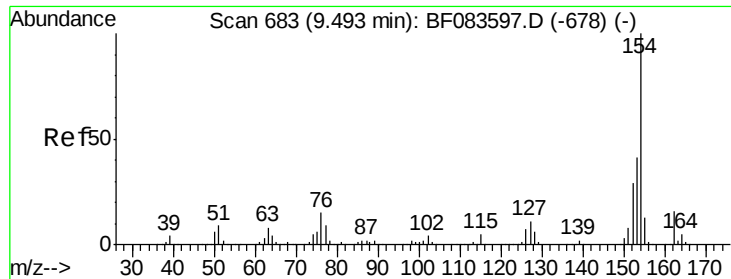


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E



Time-->





#45

1,1'-Biphenyl

Concen: 2.18 ng

RT: 9.48 min Scan# 682

Delta R.T. -0.01 min

Lab File: BF083680.D

Acq: 10 Dec 2015 12:13

Instrument :

BNA_F

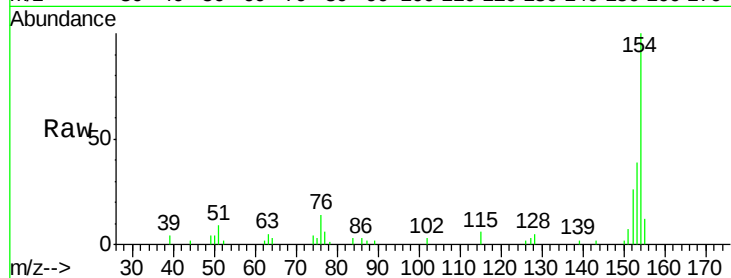
ClientSampleId :

SHED-SOUTH-WALLDL

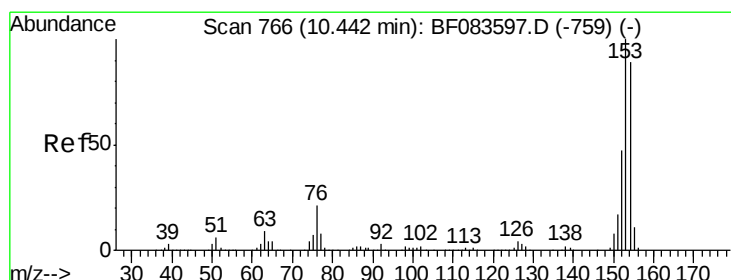
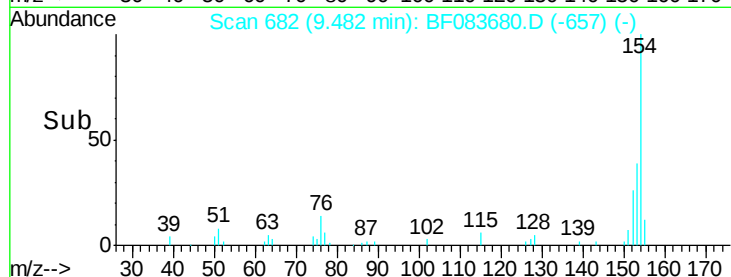
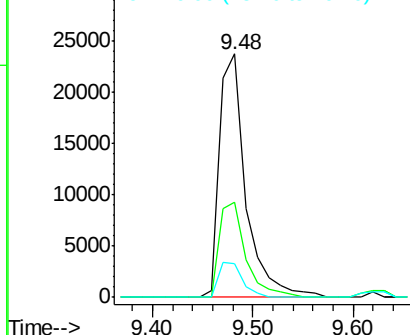
Tot Ion:	154	Resp:	43182
Ion Ratio	Lower	Upper	
154	100		
153	39.3	20.2	60.2
76	13.9	0.0	34.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF0



#51

Acenaphthene

Concen: 29.97 ng

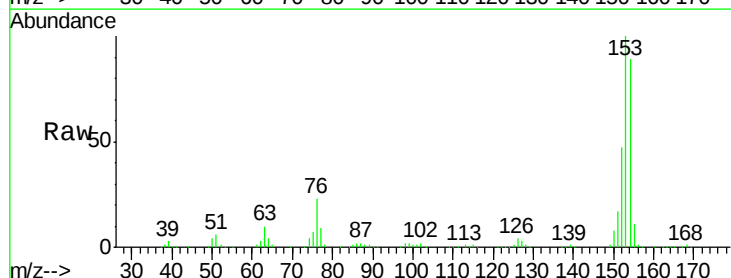
RT: 10.41 min Scan# 763

Delta R.T. -0.03 min

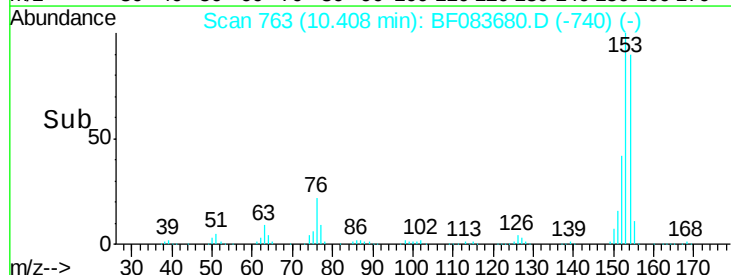
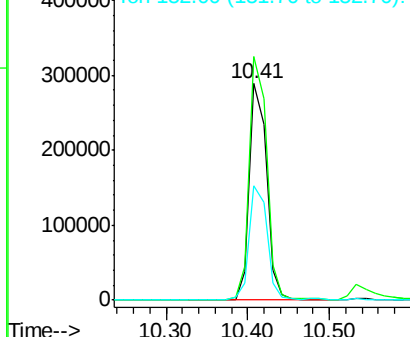
Lab File: BF083680.D

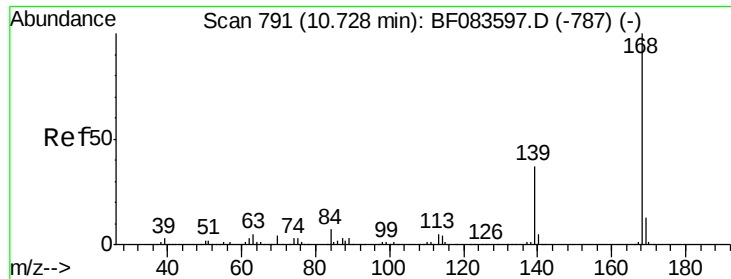
Acq: 10 Dec 2015 12:13

Tgt Ion:	154	Resp:	422875
Ion Ratio	Lower	Upper	
154	100		
153	112.4	91.4	137.0
152	52.9	43.4	65.2



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 21.89 ng

RT: 10.70 min Scan# 789

Delta R.T. -0.02 min

Lab File: BF083680.D

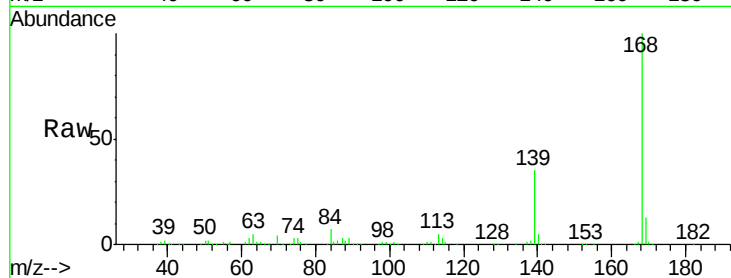
Acq: 10 Dec 2015 12:13

Instrument :

BNA_F

ClientSampleId :

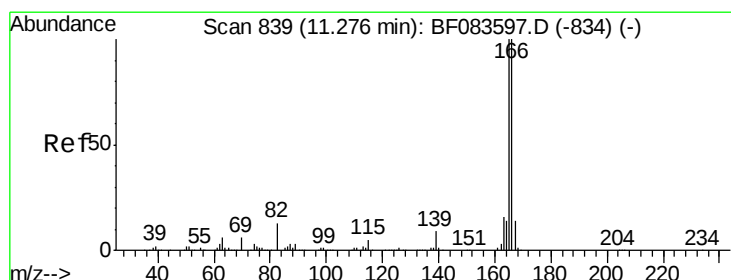
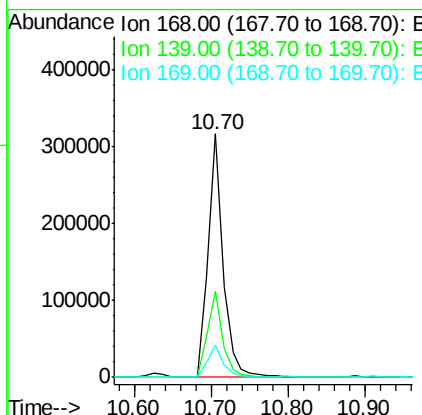
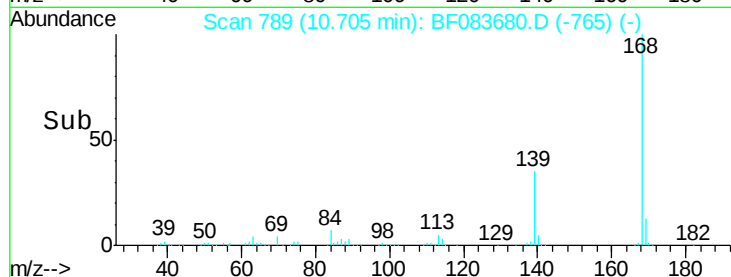
SHED-SOUTH-WALLDL



Tot Ion:	168	Resp:	428402
Ion Ratio	Lower	Upper	
168	100		
139	35.4	28.0	42.0
169	13.4	10.8	16.2

Manual Integrations
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#57

Fluorene

Concen: 32.14 ng

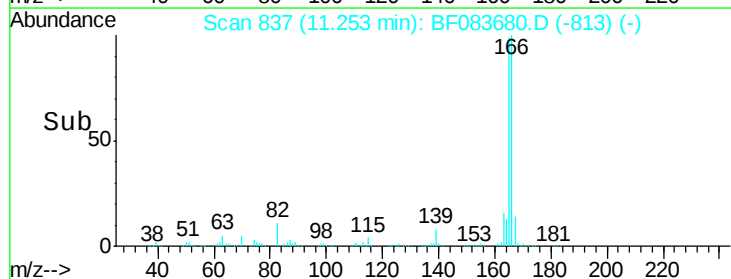
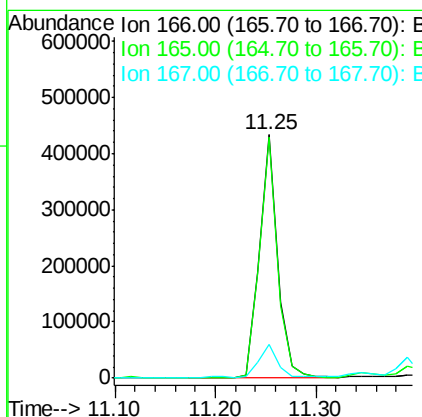
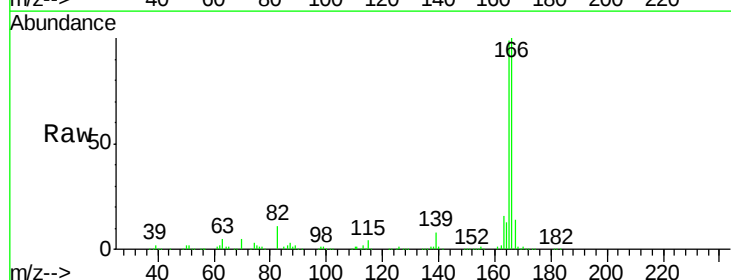
RT: 11.25 min Scan# 837

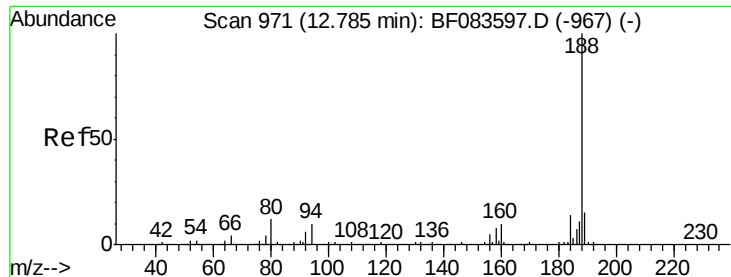
Delta R.T. -0.02 min

Lab File: BF083680.D

Acq: 10 Dec 2015 12:13

Tgt Ion:	166	Resp:	548927
Ion Ratio	Lower	Upper	
166	100		
165	99.0	80.0	120.0
167	14.0	10.6	16.0





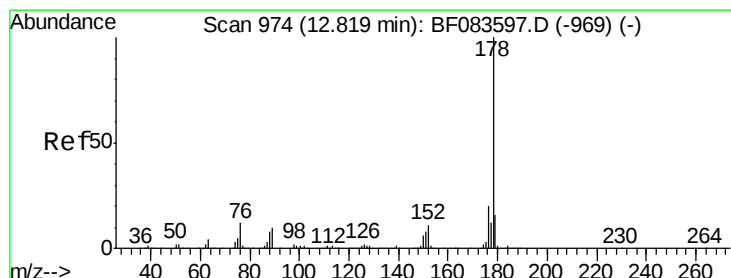
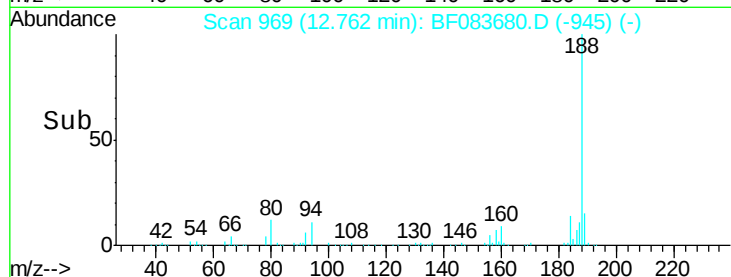
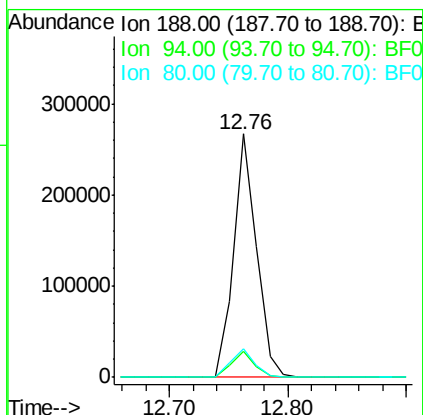
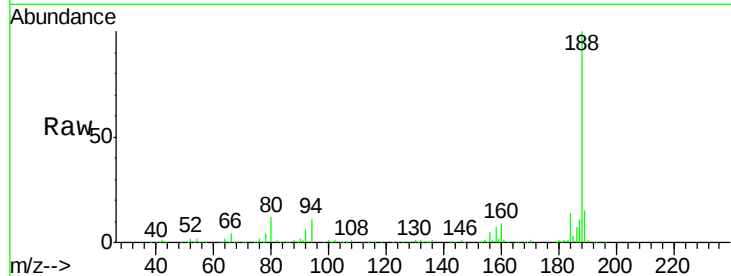
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SHED-SOUTH-WALLDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	357839		
94	10.5		9.4	14.2
80	12.0		10.6	16.0

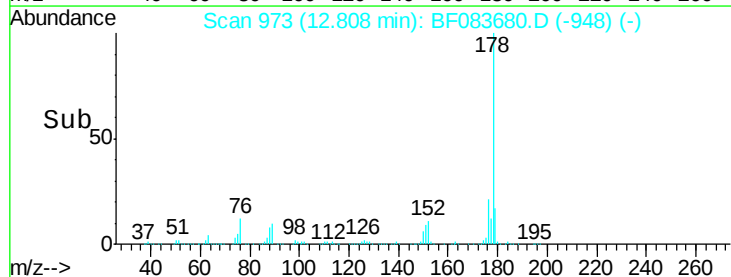
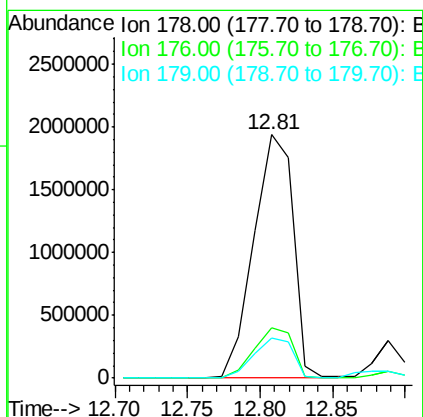
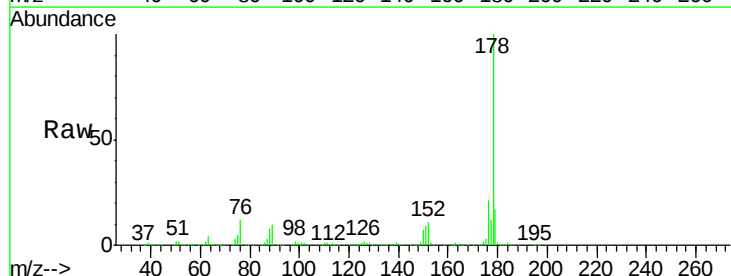
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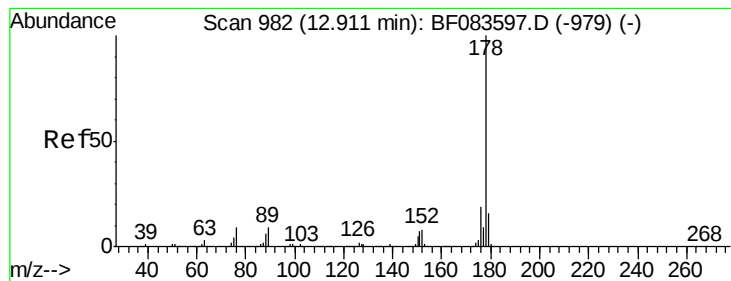
MMdadoda
12/10/2015 5:50:55 PM



#70
Phenanthrene
Concen: 178.17 ng
RT: 12.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	3663144		
176	20.6		15.7	23.5
179	16.7		12.2	18.4





#71

Anthracene

Concen: 19.85 ng/mL

RT: 12.89 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF083680.D

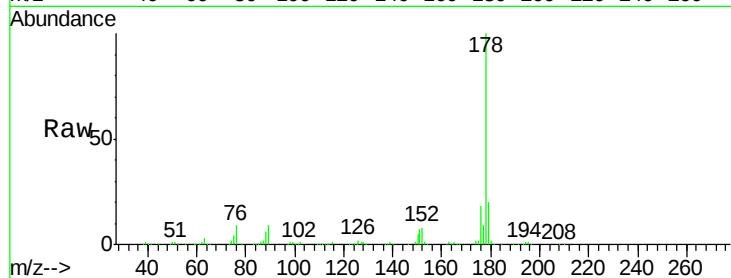
Acq: 10 Dec 2015 12:13

Instrument :

BNA_F

ClientSampleID :

SHED-SOUTH-WALLDL



Tot Ion:178 Resp: 422748

Ion Ratio Lower Upper

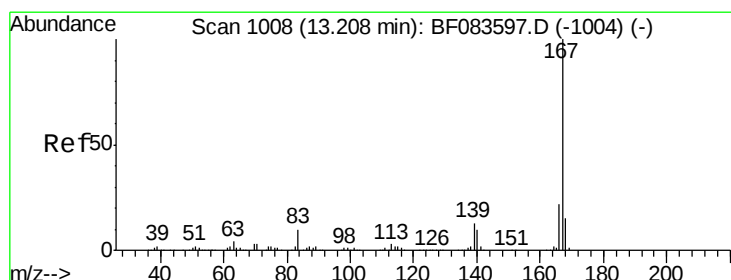
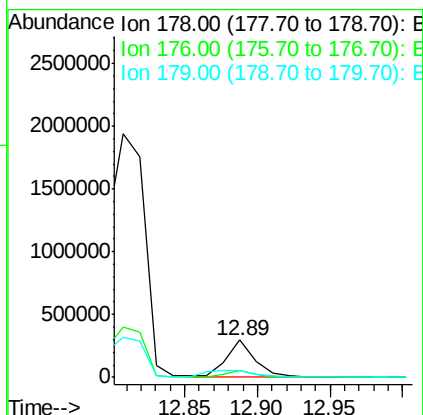
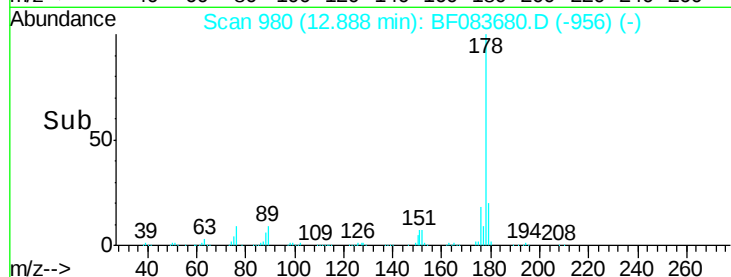
178 100

176 17.9 15.2 22.8

179 20.0 12.6 18.8#

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#72

Carbazole

Concen: 15.65 ng/mL

RT: 13.19 min Scan# 1006

Delta R.T. -0.02 min

Lab File: BF083680.D

Acq: 10 Dec 2015 12:13

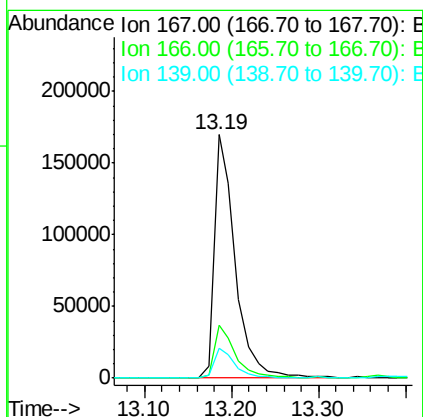
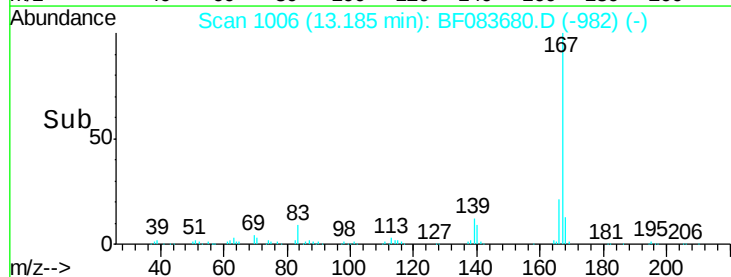
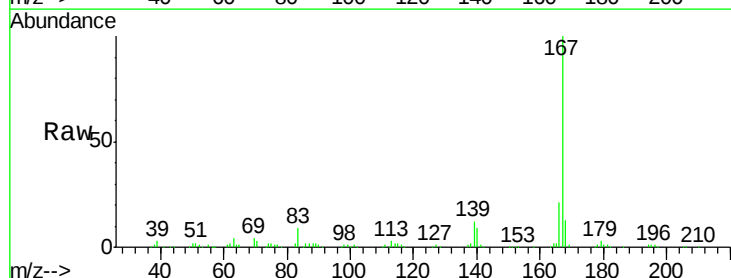
Tgt Ion:167 Resp: 285872

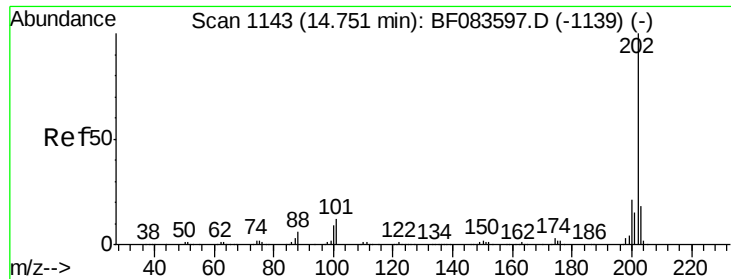
Ion Ratio Lower Upper

167 100

166 21.5 17.2 25.8

139 12.4 9.3 13.9





#74

Fluoranthene

Concen: 109.16 ng

RT: 14.74 min Scan# 1142

Delta R.T. -0.01 min

Lab File: BF083680.D

Acq: 10 Dec 2015 12:13

Instrument :

BNA_F

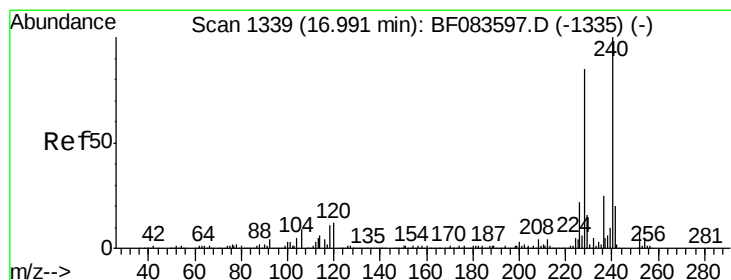
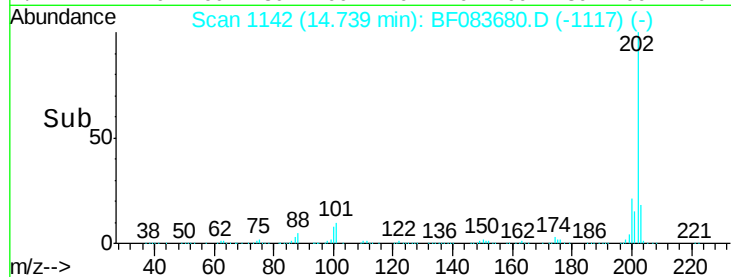
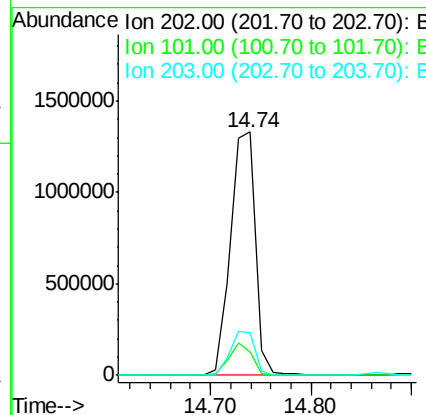
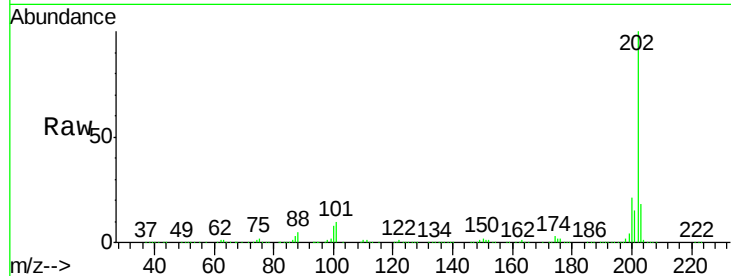
ClientSampleId :

SHED-SOUTH-WALLDL

Tot Ion:	202	Resp:	2295926
Ion Ratio	Lower	Upper	
202	100		
101	9.7	0.0	31.5
203	17.7	0.0	37.6

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

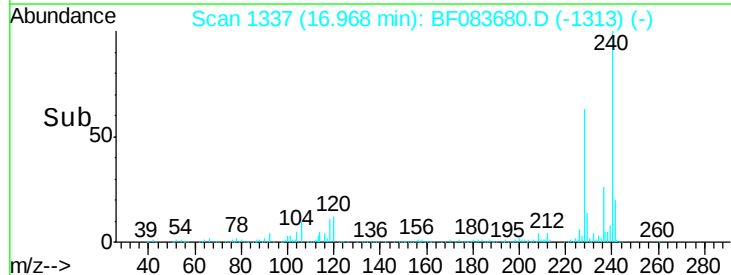
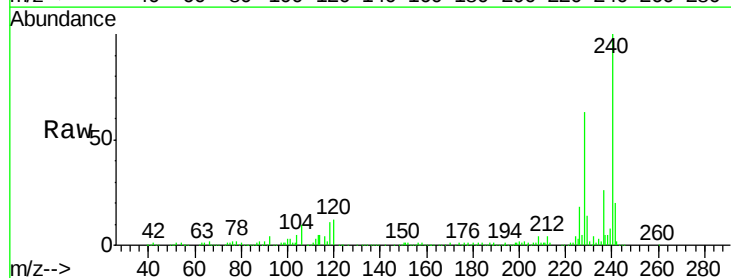
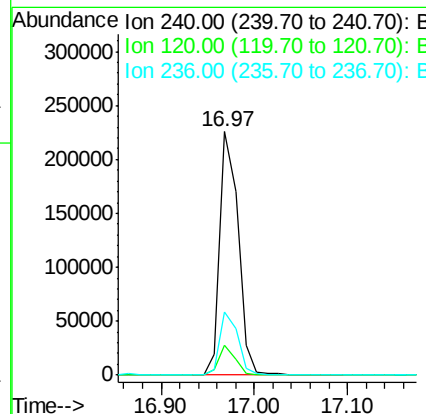
RT: 16.97 min Scan# 1337

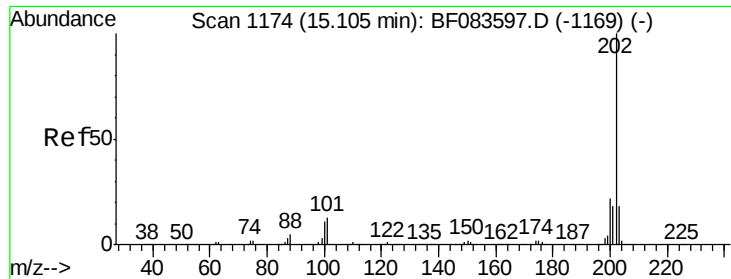
Delta R.T. -0.02 min

Lab File: BF083680.D

Acq: 10 Dec 2015 12:13

Tgt Ion:	240	Resp:	309720
Ion Ratio	Lower	Upper	
240	100		
120	12.1	8.1	12.1
236	26.0	20.8	31.2





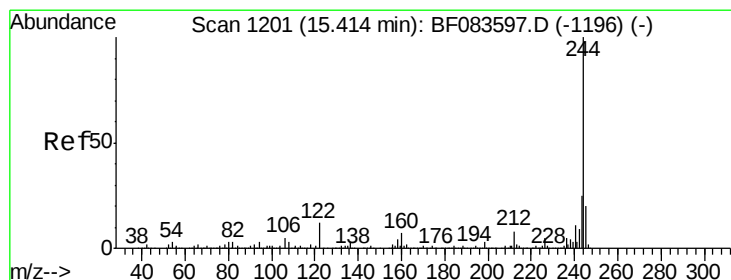
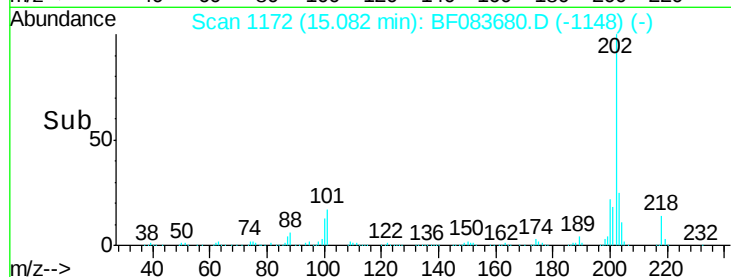
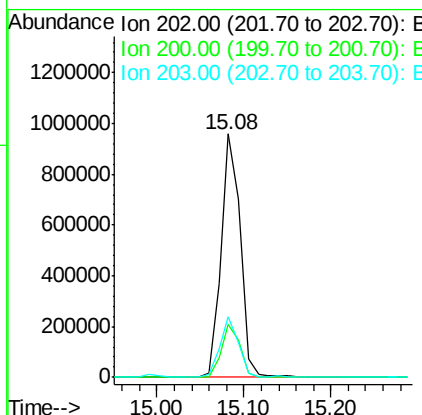
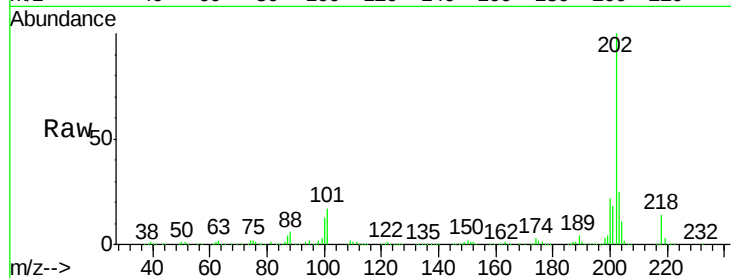
#77
Pvrene
Concen: 66.15 ng
RT: 15.08 min Scan# 1172
Delta R.T. -0.02 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SHED-SOUTH-WALLDL

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	16.7	25.1
203	24.7	14.3	21.5

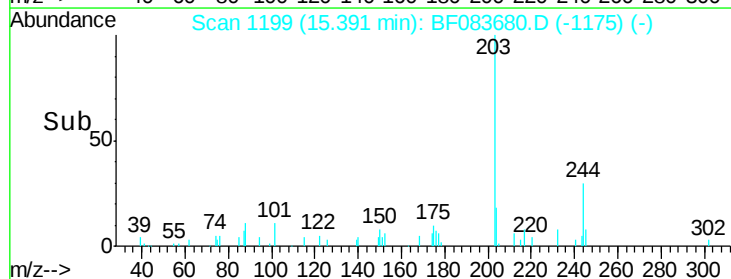
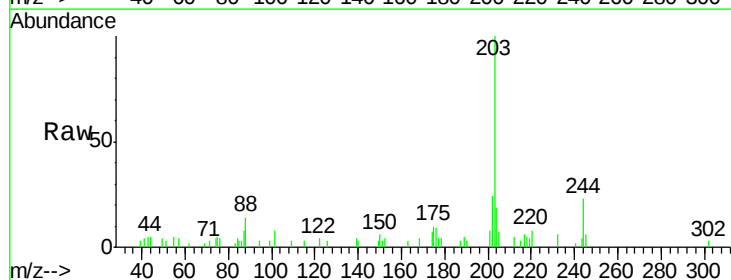
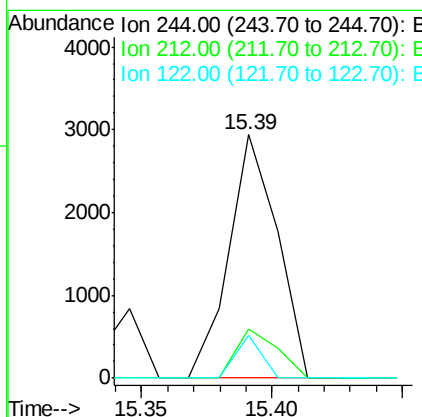
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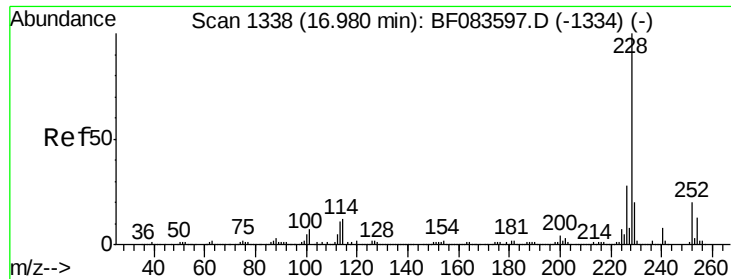
MMdadoda
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#78
Terphenyl-d14
Concen: 0.29 ng
RT: 15.39 min Scan# 1199
Delta R.T. -0.02 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
244	100		
212	20.0	6.1	9.1
122	17.7	11.0	16.6





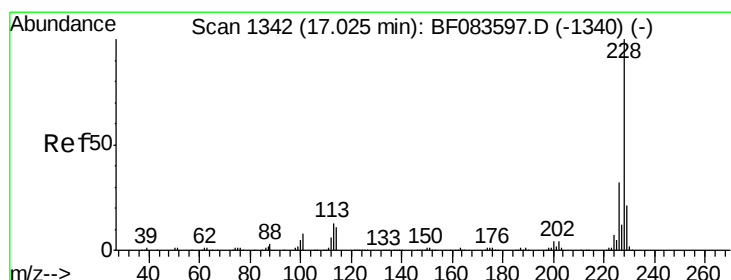
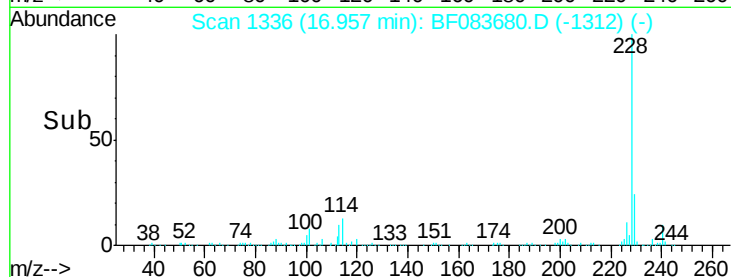
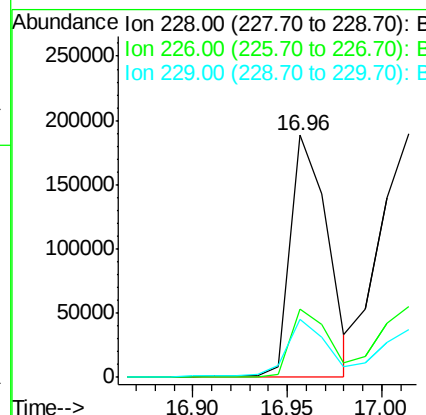
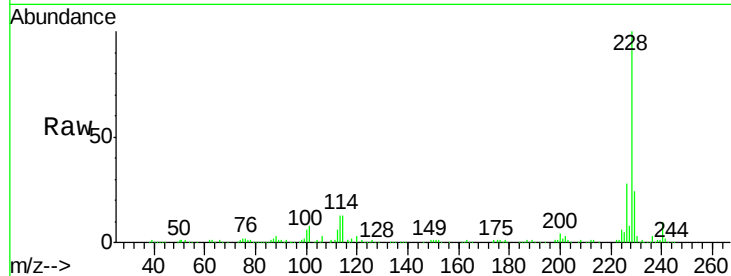
#80
Benzo(a)anthracene
Concen: 14.20 ng
RT: 16.96 min Scan# 1336
Delta R.T. -0.02 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SHED-SOUTH-WALLDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.3	33.5
229	24.1	15.7	23.5

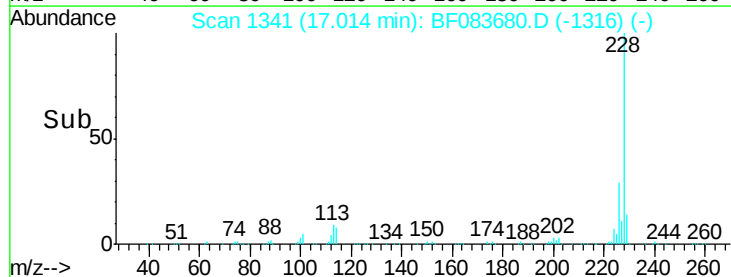
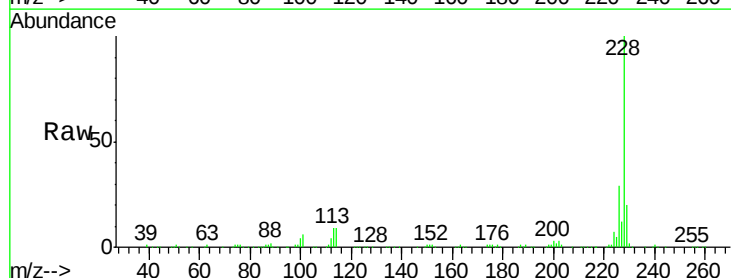
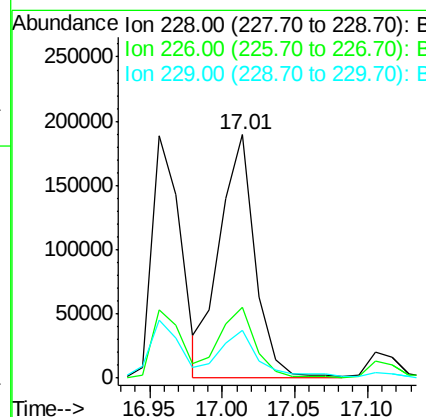
Manual Integrations
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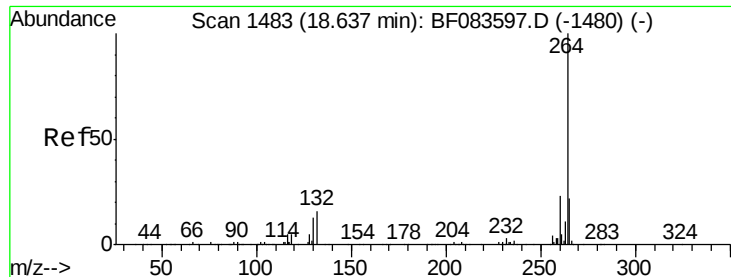
MMdadoda
12/10/2015 5:50:55 PM



#82
Chrysene
Concen: 17.62 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.8	24.7	37.1
229	19.8	16.3	24.5





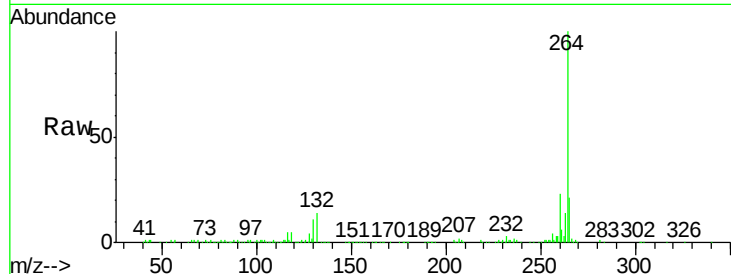
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SHED-SOUTH-WALLDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.4	29.0
265	21.0	17.8	26.6

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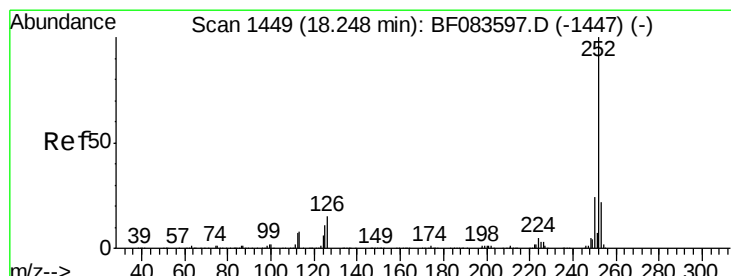
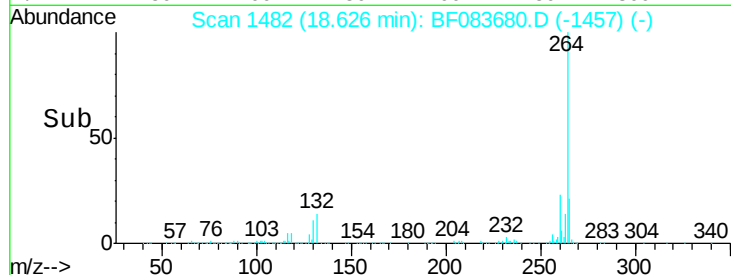
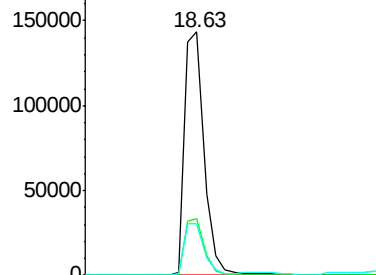


Abundance

Ion 264.00 (263.70 to 264.70): E

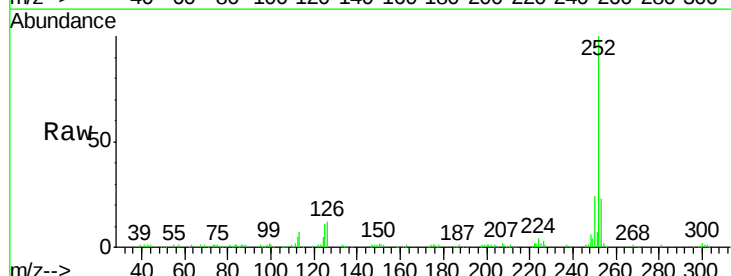
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 11.58 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.4
125	10.9	8.2	12.4

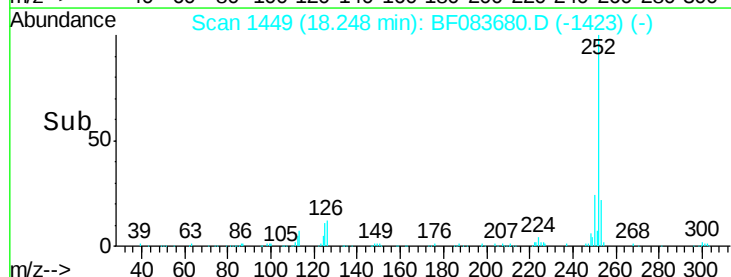
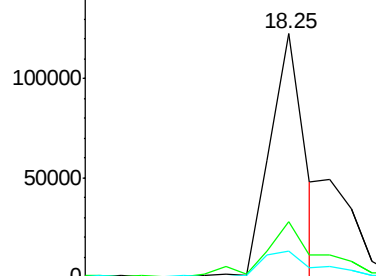


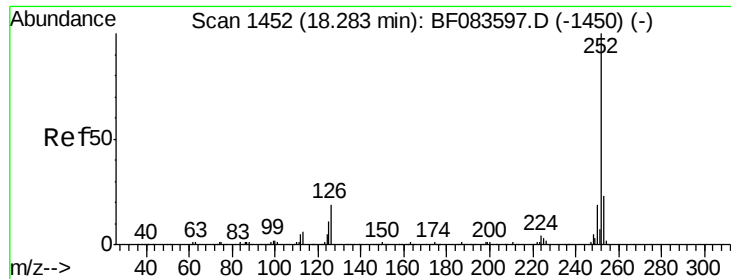
Abundance

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





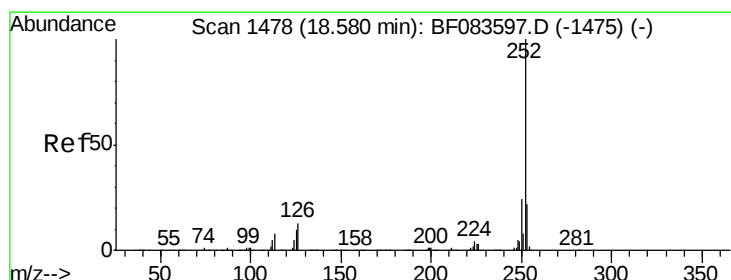
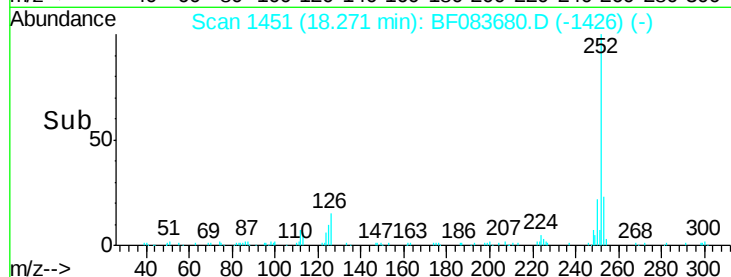
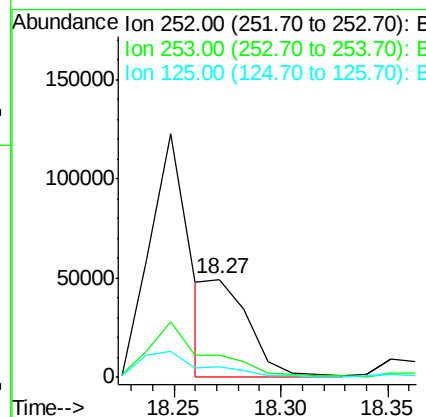
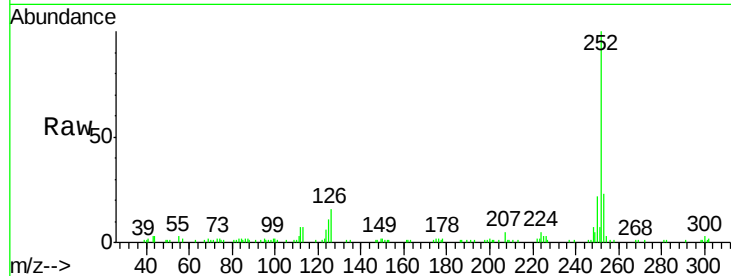
#88
Benzo(k)fluoranthene
Concen: 4.36 ng m
RT: 18.27 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Instrument :
BNA_F
ClientSampleId :
SHED-SOUTH-WALLDL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	27.8
125	11.0	11.5	17.3#

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#89
Benzo(a)pyrene
Concen: 4.97 ng m
RT: 18.58 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BF083680.D
Acq: 10 Dec 2015 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.5	26.3
125	9.4	11.0	16.6#

