

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

Manual Integrations
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Quant Time: Dec 10 02:19:00 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						
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						
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	152615m	8.87	ng	
88) Benzo(k)fluoranthene	18.28	252	45421m	2.40	ng	

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

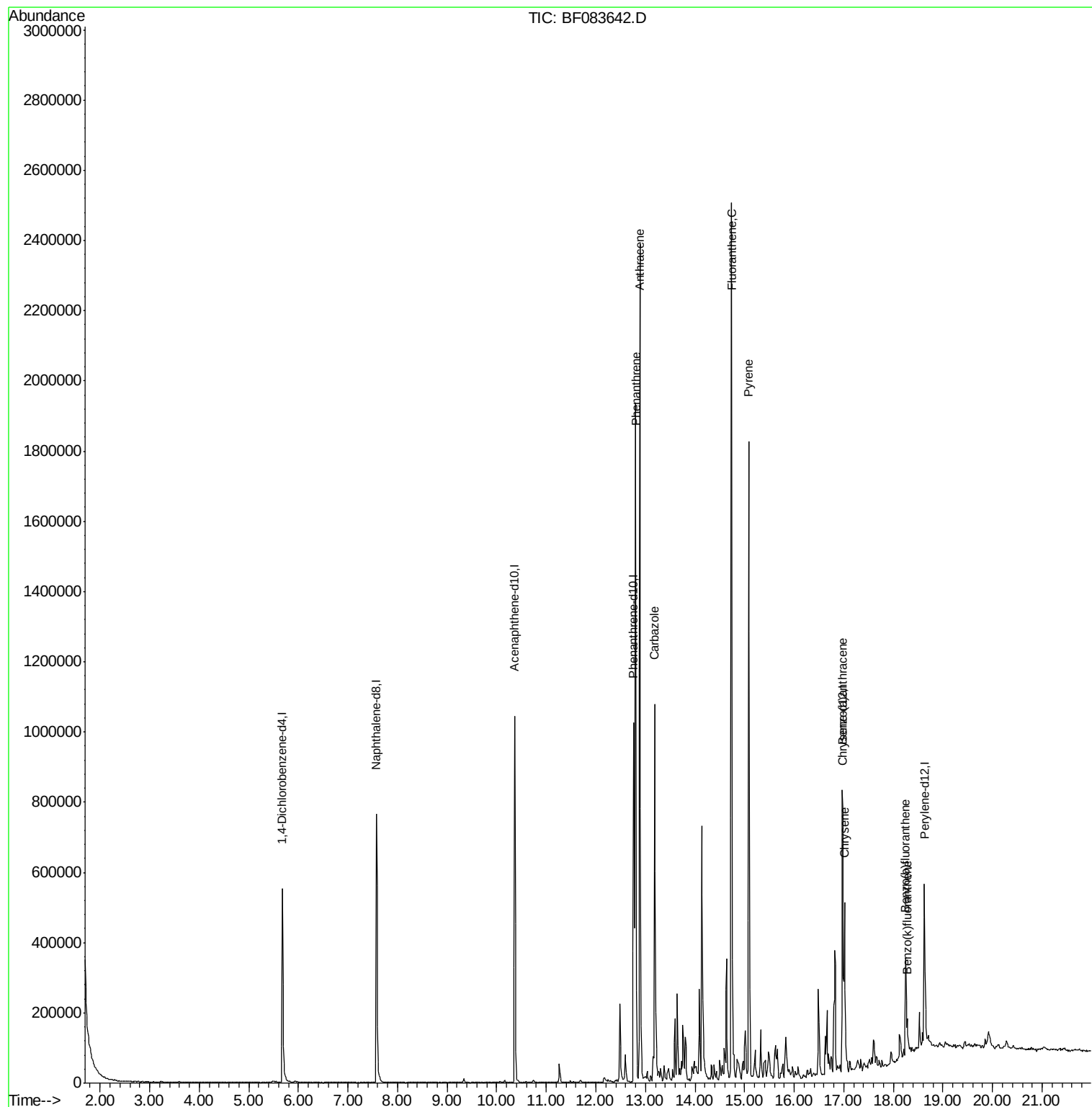
Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
Data File : BF083642.D
Acq On : 9 Dec 2015 16:32
Operator : UM/IZ
Sample : G4579-12DL 250X
Misc :
ALS Vial : 8 Sample Multiplier: 1

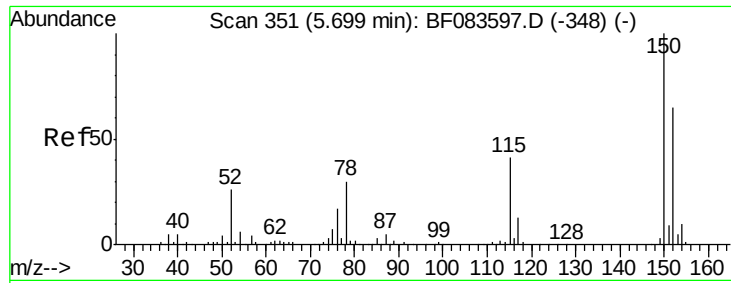
Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALLDL

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Quant Time: Dec 10 02:19:00 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF120815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

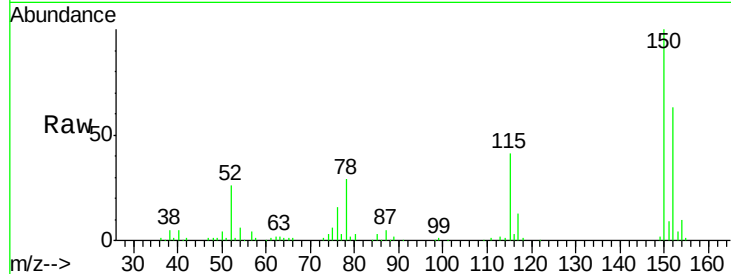
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALLDL

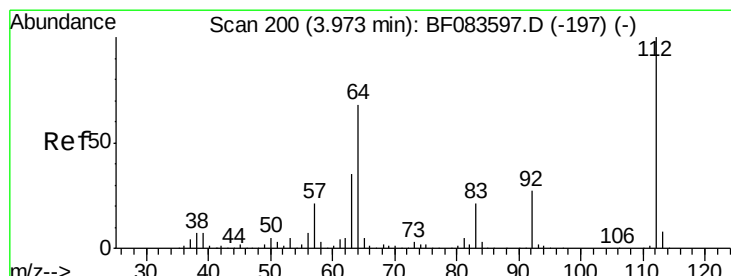
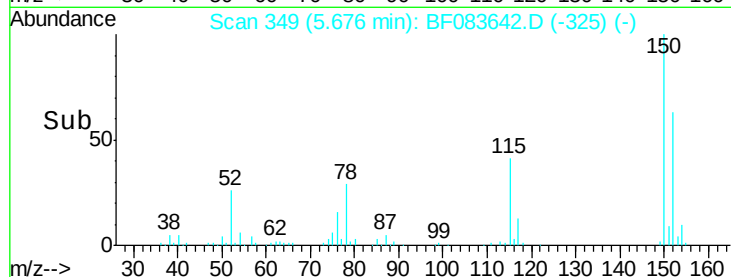
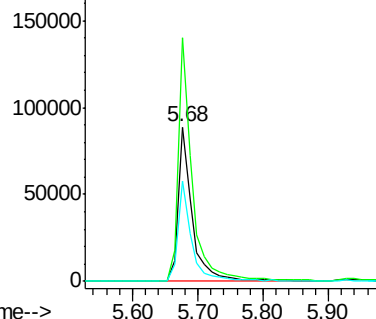
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.5	189.7
115	65.1	52.3	78.5

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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

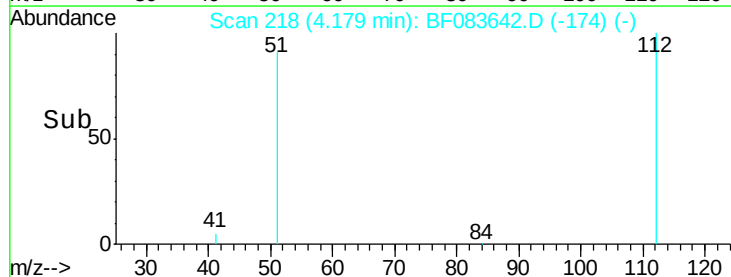
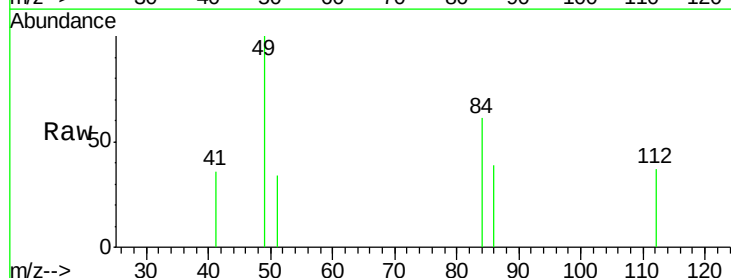
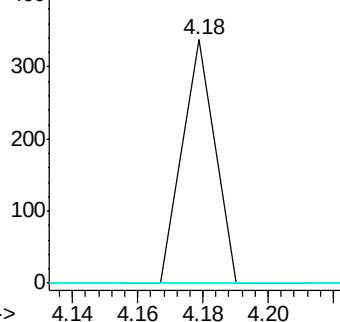


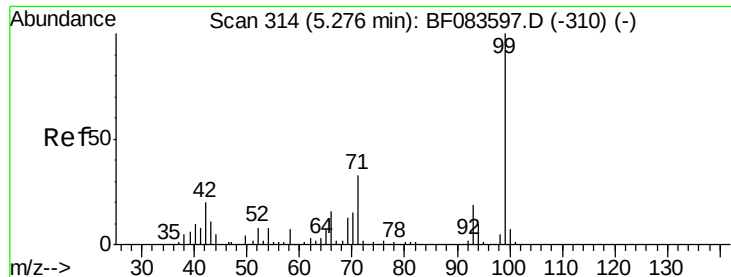
#5

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	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 :

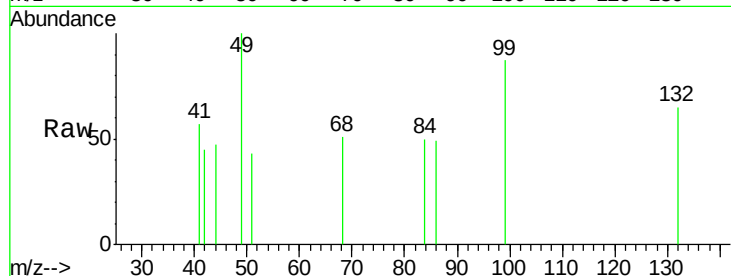
SHED-EAST-WALLDL

Tot Ion: 99 Resp: 2167

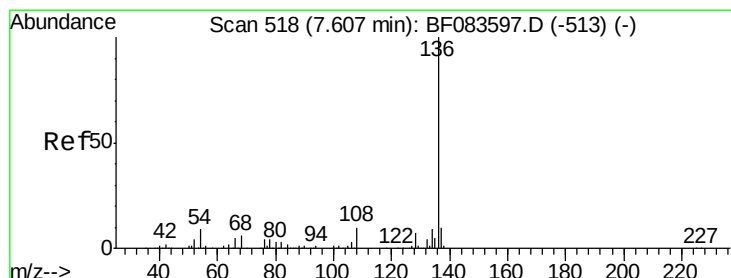
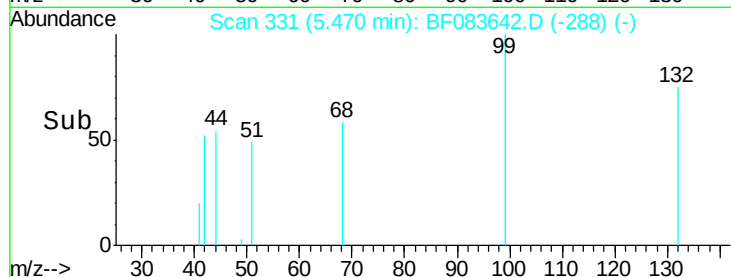
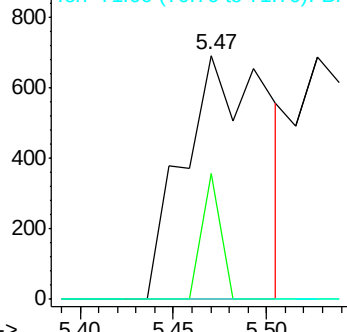
Ion	Ratio	Lower	Upper
99	100		
42	51.8	17.3	25.9#
71	0.0	26.6	40.0#

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Abundance Ion 99.00 (98.70 to 99.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.57 min Scan# 515

Delta R.T. -0.03 min

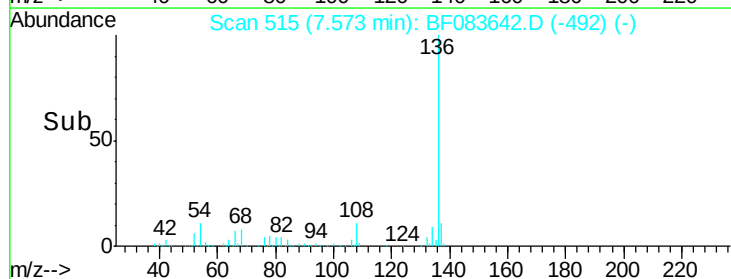
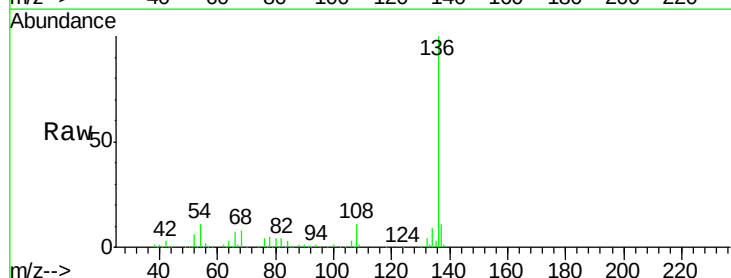
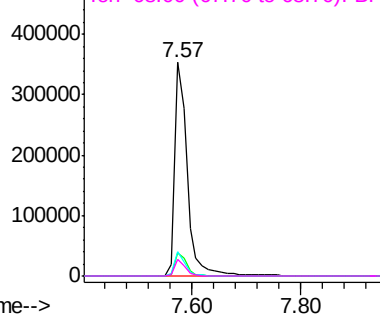
Lab File: BF083642.D

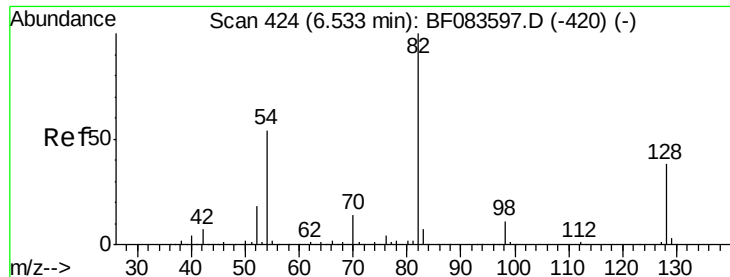
Acq: 9 Dec 2015 16:32

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





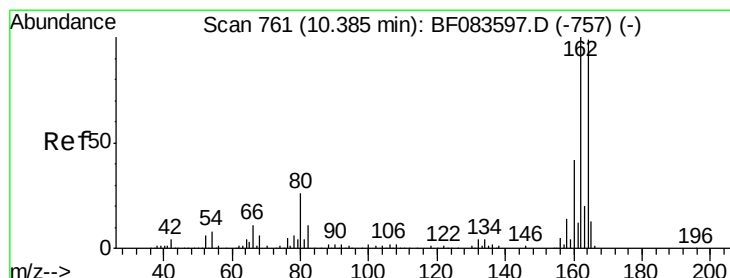
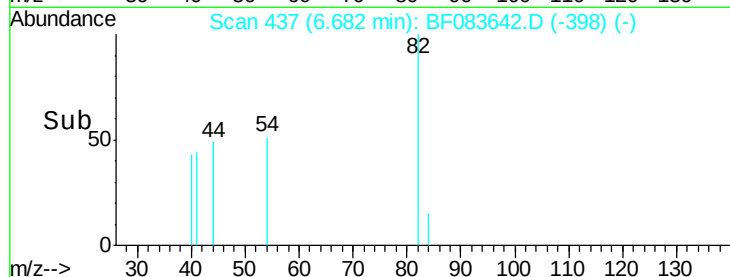
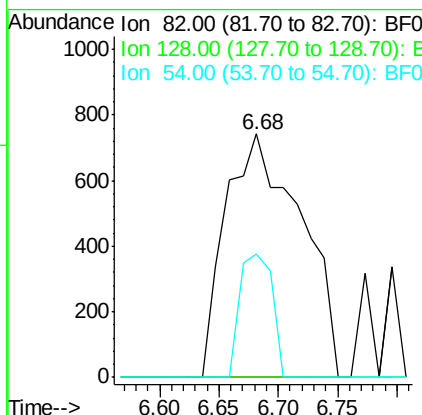
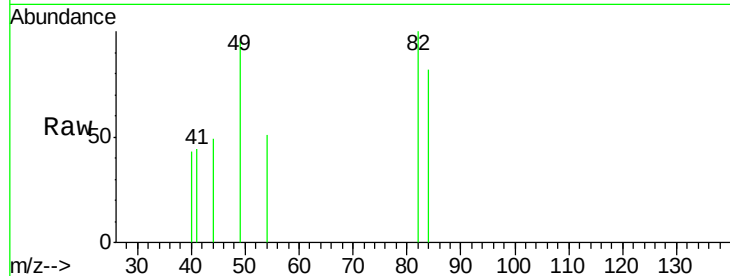
#23
 Nitrobenzene-d5
 Concen: 0.27 ng
 RT: 6.68 min Scan# 437
 Delta R.T. 0.15 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALLDL

Tot Ion	Ratio	Lower	Upper
82	100		
128	0.0	30.7	46.1#
54	50.7	42.5	63.7

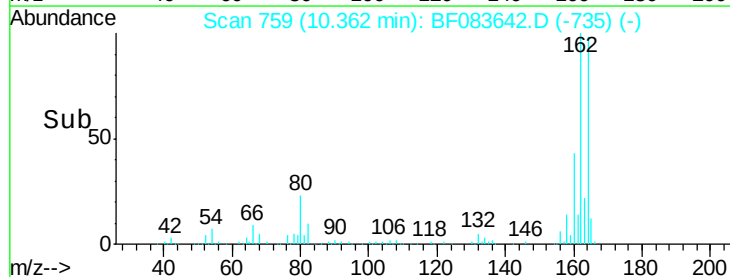
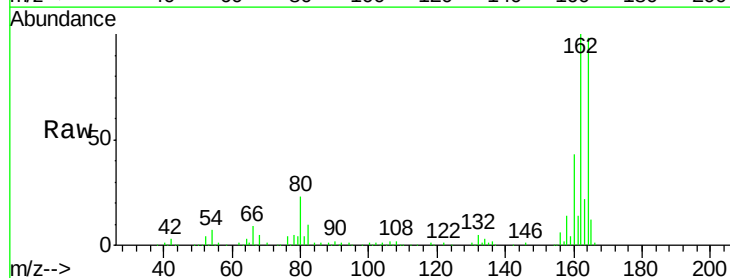
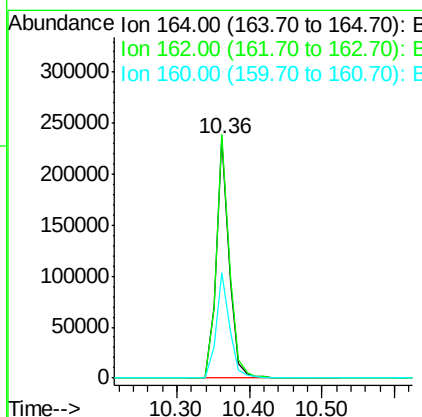
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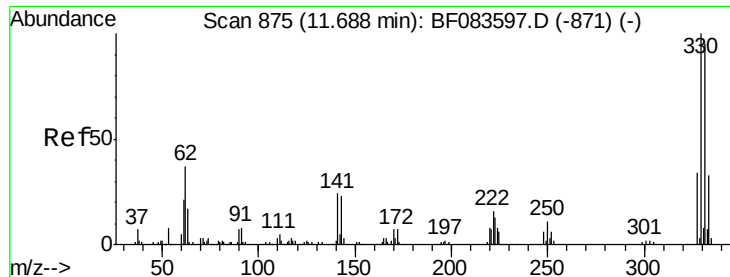
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.36 min Scan# 759
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

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





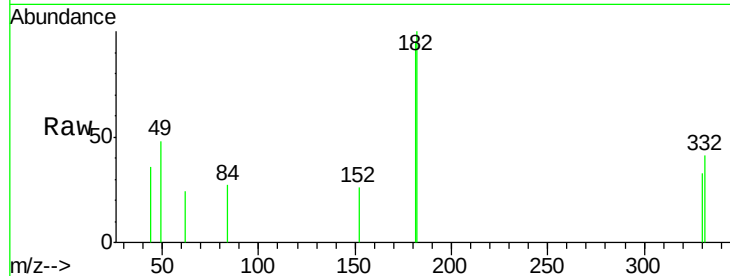
#41
 2,4,6-Tribromophenol
 Concen: 0.42 ng
 RT: 11.70 min Scan# 876
 Delta R.T. 0.01 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALLDL

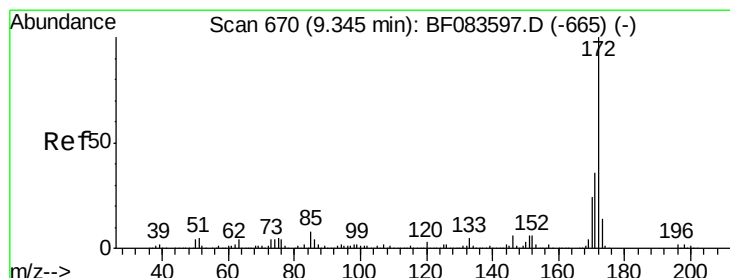
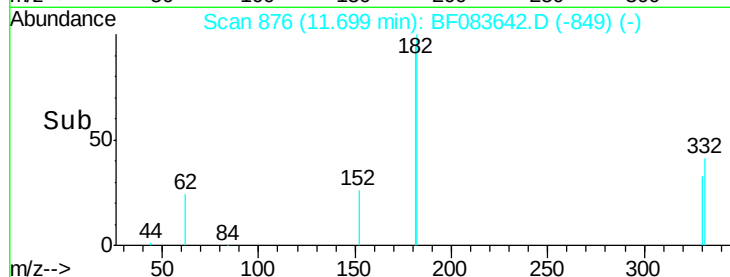
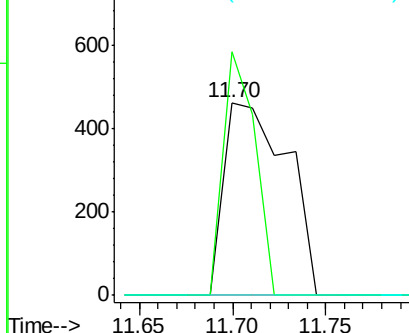
Tot Ion	Ratio	Resp	Lower	Upper
330	100	1088		
332	64.1	0.0	0.0	0.0
141	0.0	0.0	0.0	0.0

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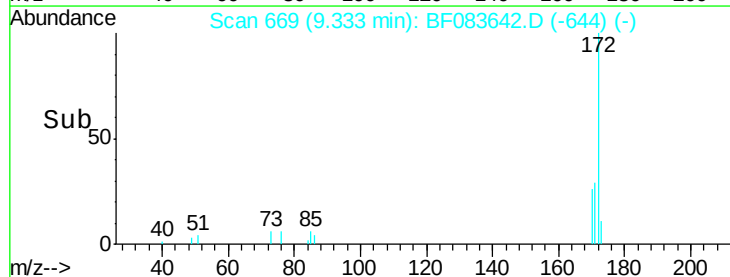
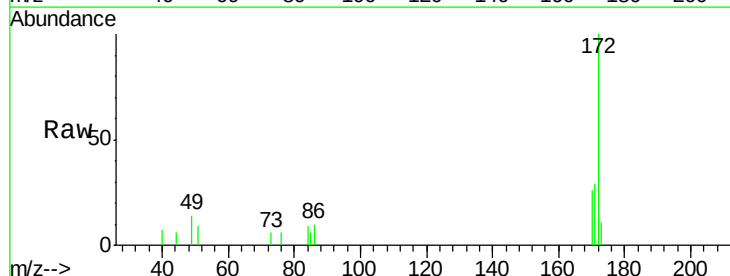
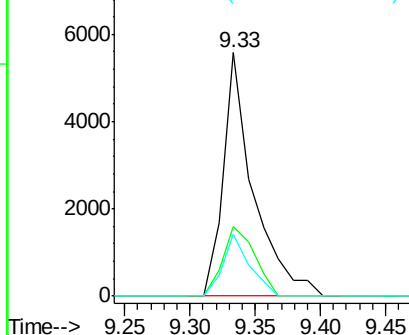
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

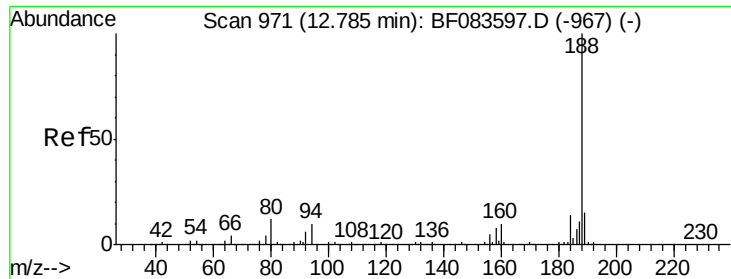


#44
 2-Fluorobiphenyl
 Concen: 0.44 ng
 RT: 9.33 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	8992		
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





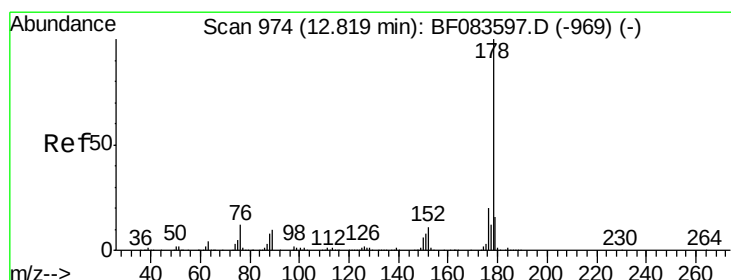
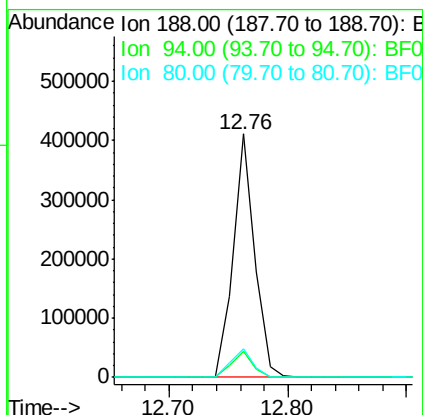
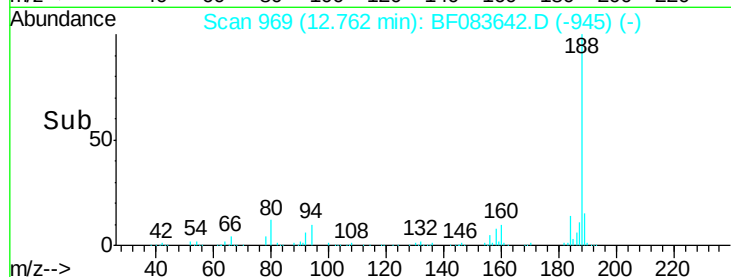
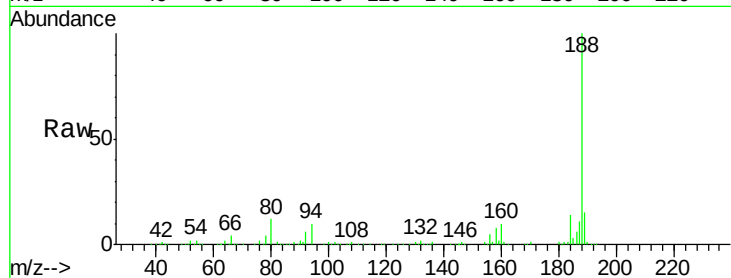
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.76 min Scan# 969
Delta R.T. -0.02 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALLDL

Tot Ion	Ratio	Resp	Lower	Upper
188	100	515516		
94	10.4		9.4	14.2
80	12.0		10.6	16.0

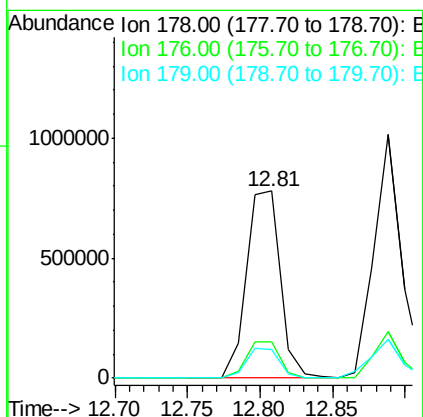
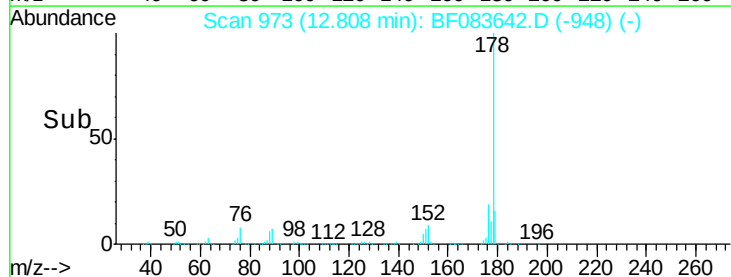
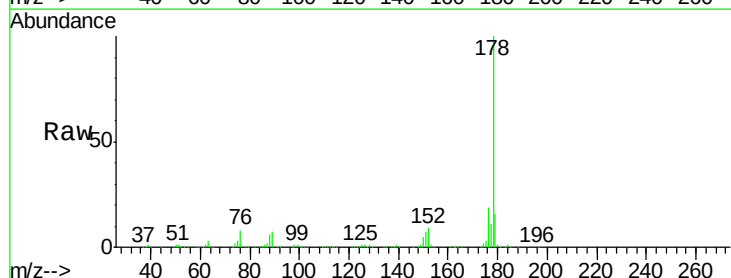
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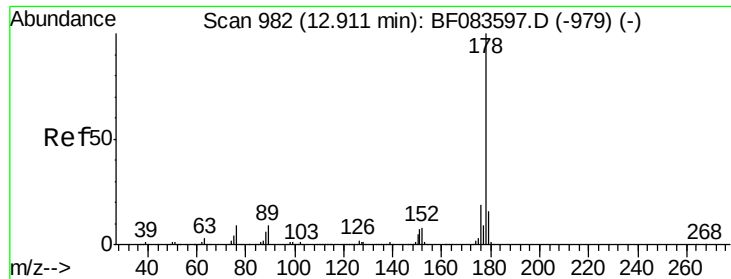
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#70
Phenanthrene
Concen: 42.70 ng
RT: 12.81 min Scan# 973
Delta R.T. -0.01 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1264774		
176	19.3		15.7	23.5
179	15.5		12.2	18.4





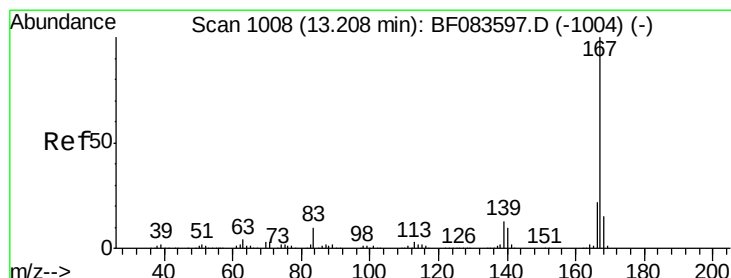
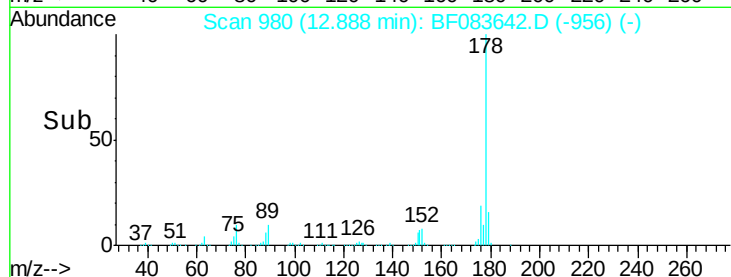
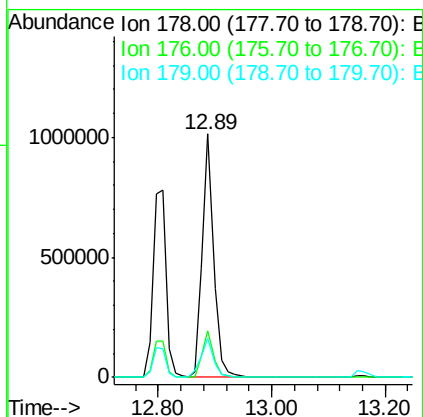
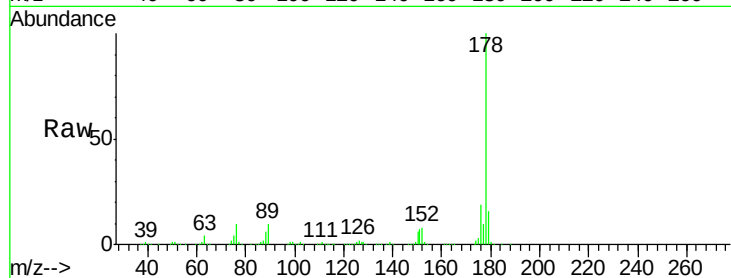
#71
 Anthracene
 Concen: 44.53 ng
 RT: 12.89 min Scan# 980
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALLDL

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

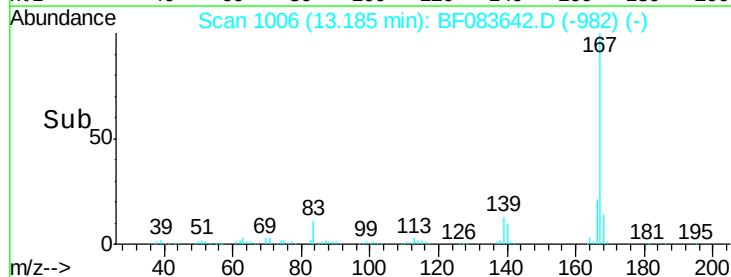
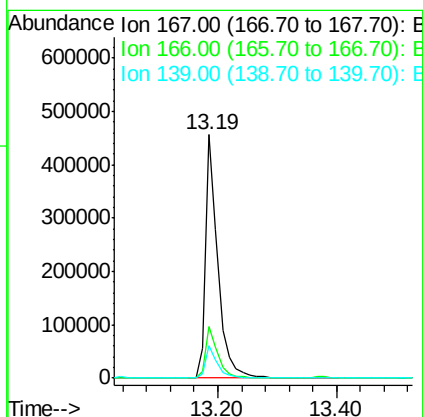
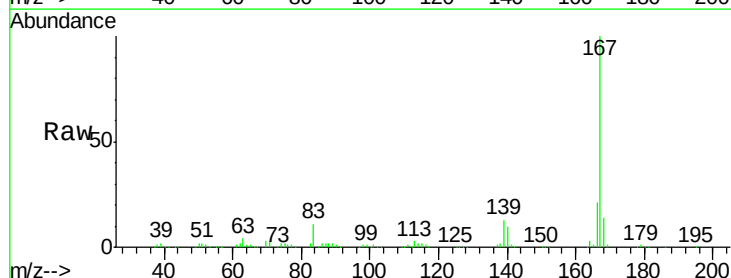
Manual Integrations
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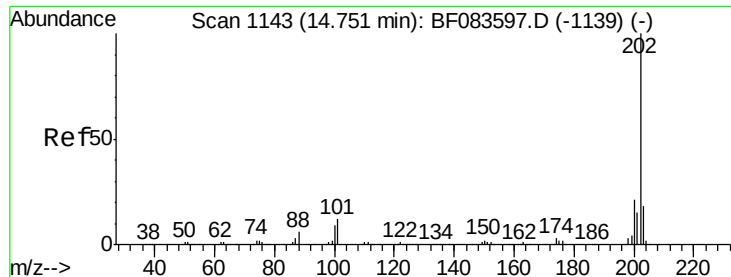
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#72
 Carbazole
 Concen: 25.24 ng
 RT: 13.19 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

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

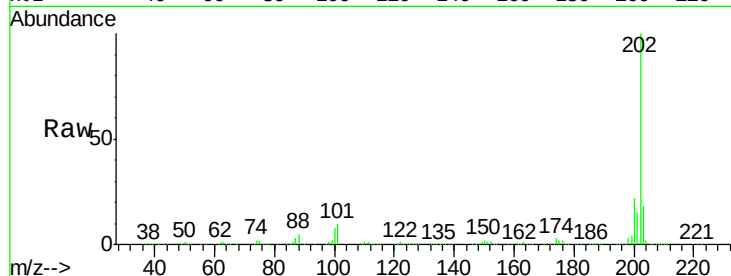
ClientSampleId :

SHED-EAST-WALLDL

Tot Ion:	202	Resp:	1810609
Ion Ratio	Lower	Upper	
202	100		
101	10.2	0.0	31.5
203	17.9	0.0	37.6

Manual Integrations
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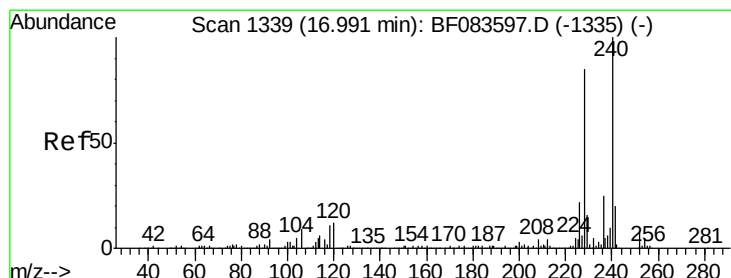
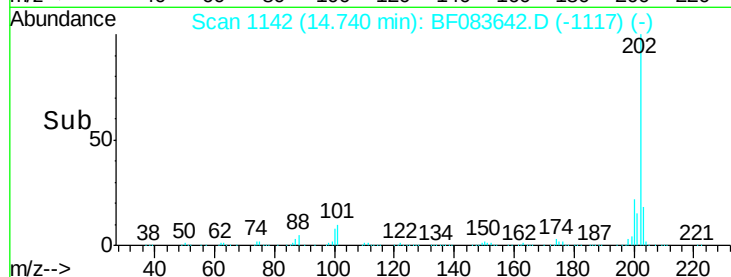
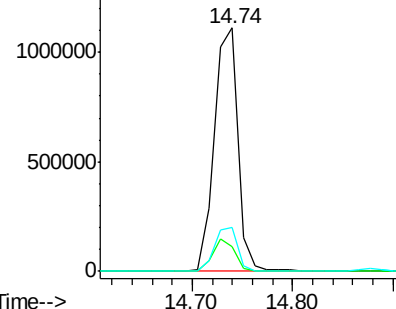
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Abundance Ion 202.00 (201.70 to 202.70): E

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

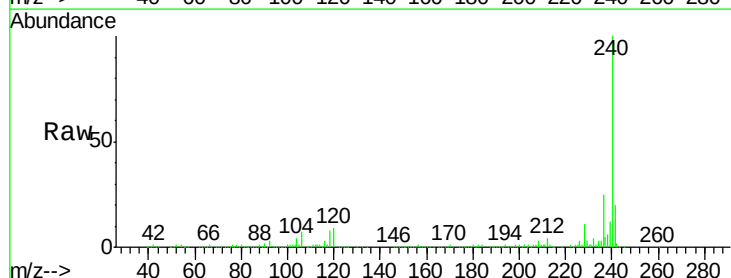
RT: 16.98 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BF083642.D

Acq: 9 Dec 2015 16:32

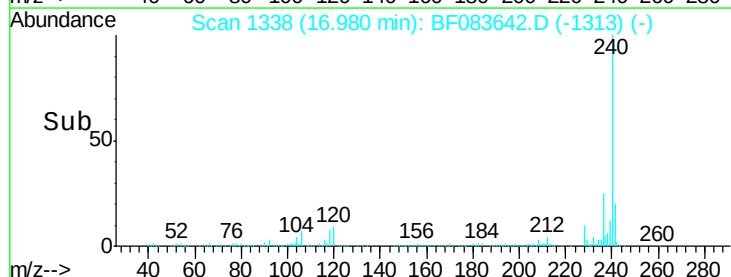
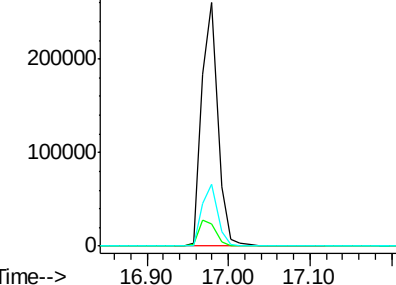
Tgt Ion:	240	Resp:	361765
Ion Ratio	Lower	Upper	
240	100		
120	9.2	8.1	12.1
236	25.5	20.8	31.2

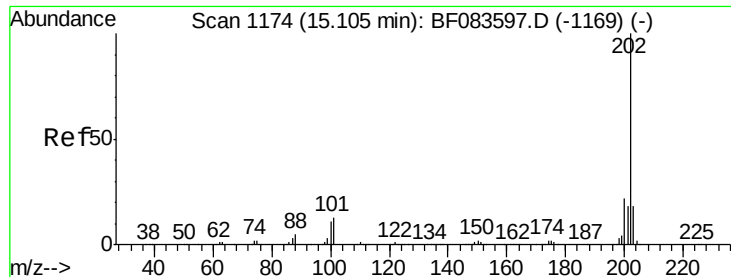


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

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

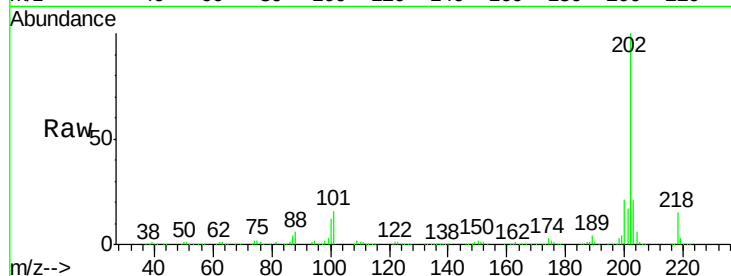
ClientSampleId :

SHED-EAST-WALLDL

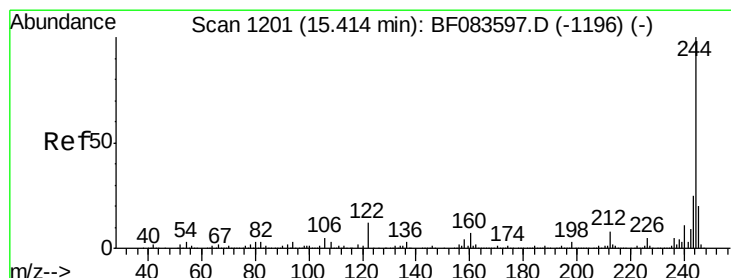
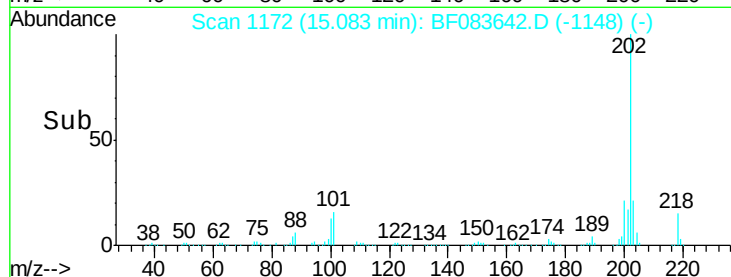
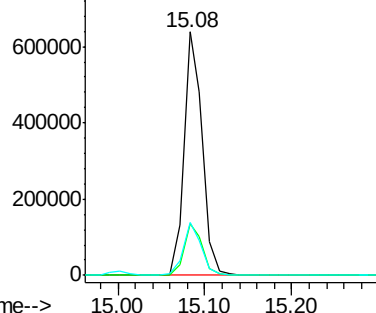
Tot Ion:	202	Resp:	937207
Ion Ratio		Lower	Upper
202	100		
200	21.3	16.7	25.1
203	21.5	14.3	21.5#

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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: 0.56 ng

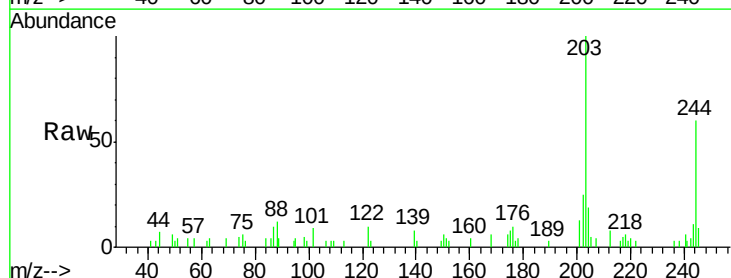
RT: 15.39 min Scan# 1199

Delta R.T. -0.02 min

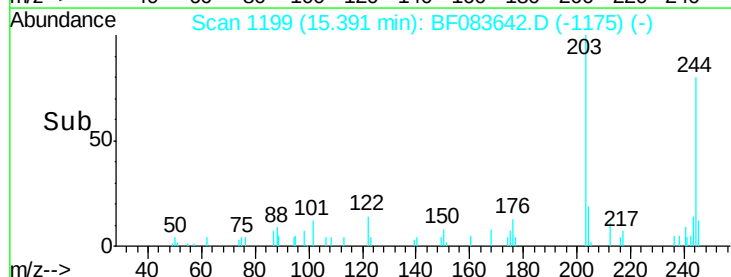
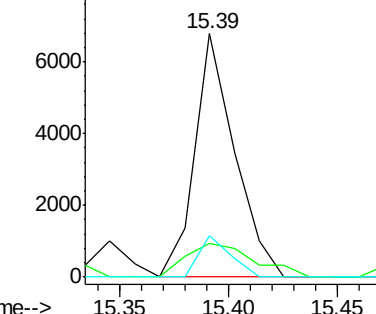
Lab File: BF083642.D

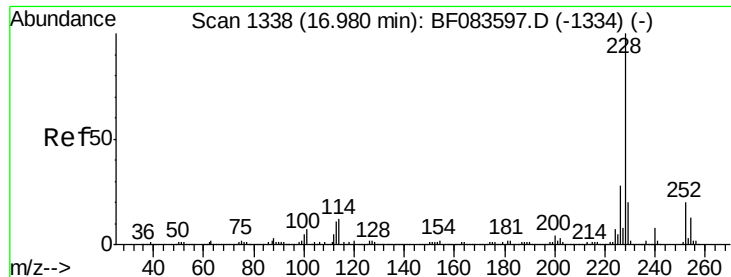
Acq: 9 Dec 2015 16:32

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#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





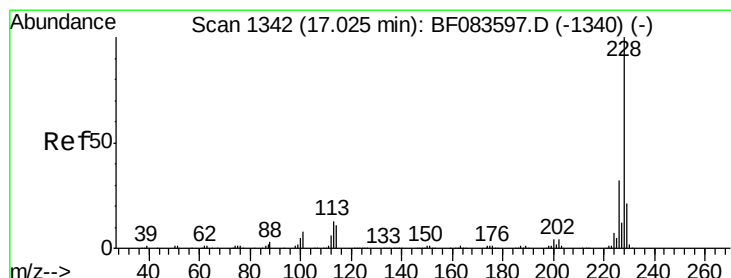
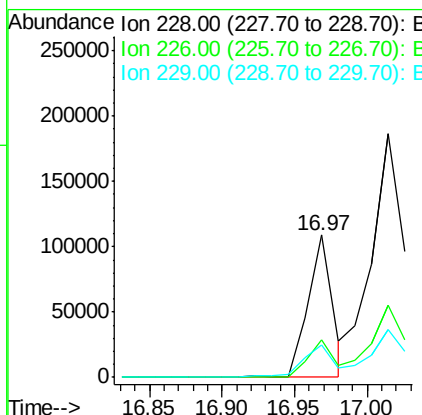
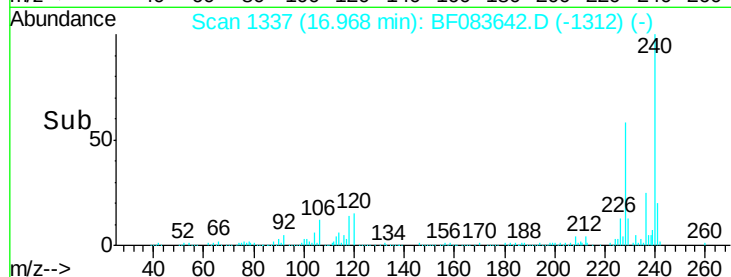
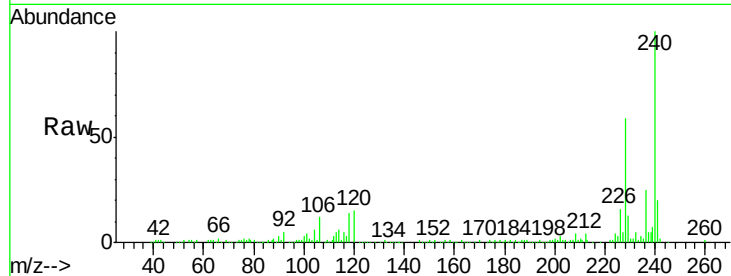
#80
Benzo(a)anthracene
Concen: 6.01 ng
RT: 16.97 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALLDL

Tot Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.3	33.5
229	22.5	15.7	23.5

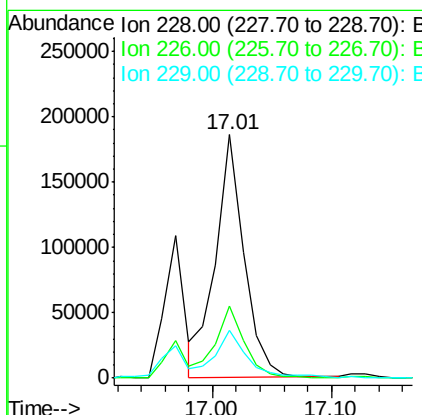
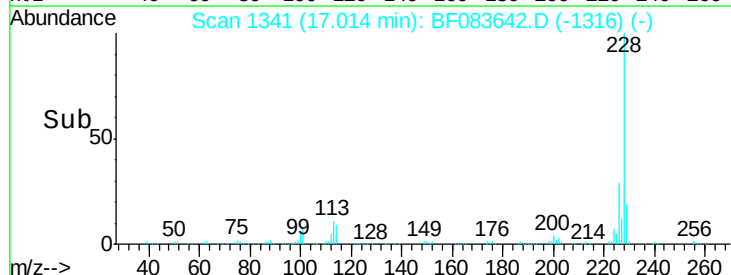
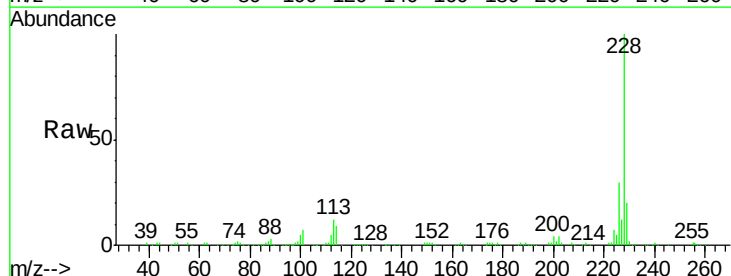
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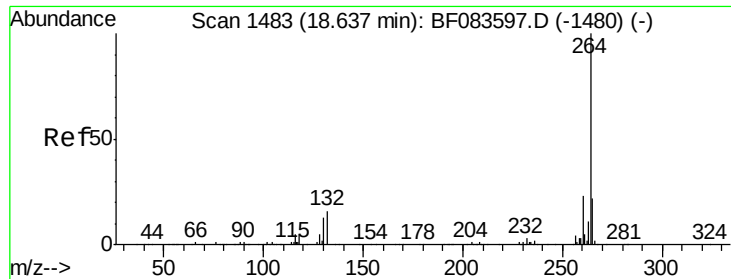
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#82
Chrysene
Concen: 14.60 ng
RT: 17.01 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	24.7	37.1
229	19.7	16.3	24.5





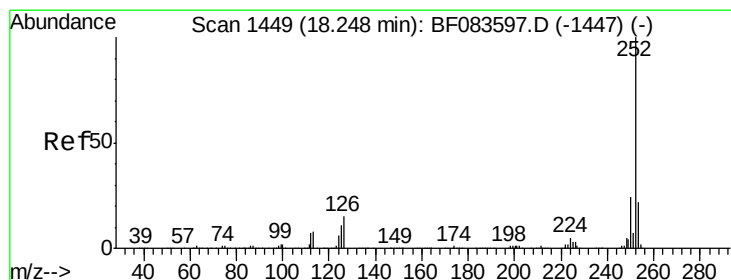
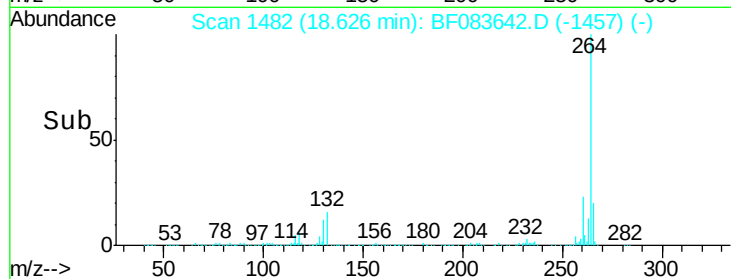
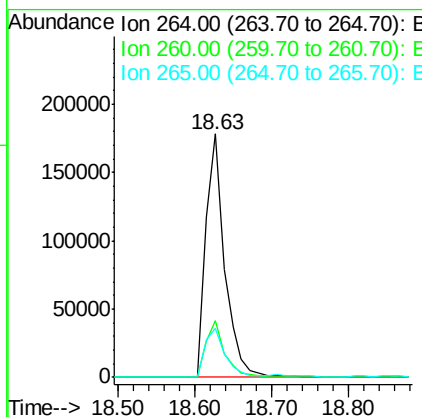
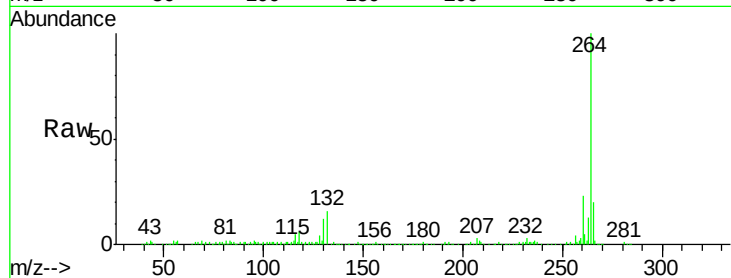
#86
Pervlene-d12
Concen: 20.00 ng
RT: 18.63 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Instrument :
BNA_F
ClientSampleId :
SHED-EAST-WALLDL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.0
265	20.1	17.8	26.6

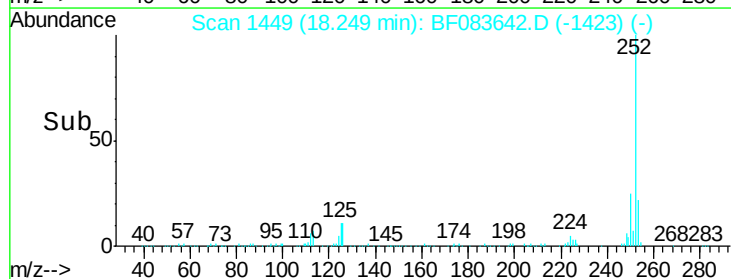
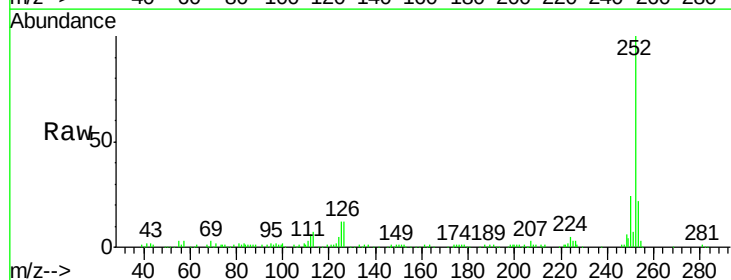
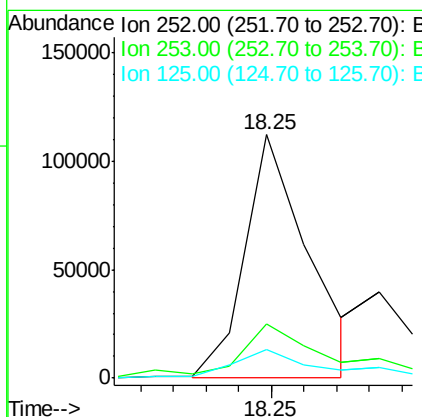
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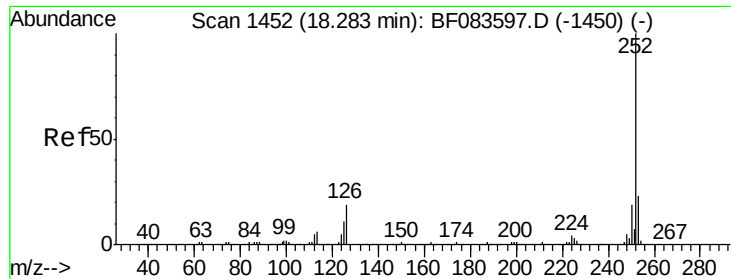
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#87
Benzo(b)fluoranthene
Concen: 8.87 ng m
RT: 18.25 min Scan# 1449
Delta R.T. 0.00 min
Lab File: BF083642.D
Acq: 9 Dec 2015 16:32

Tgt 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: 2.40 ng/ml
 RT: 18.28 min Scan# 1452
 Delta R.T. 0.00 min
 Lab File: BF083642.D
 Acq: 9 Dec 2015 16:32

Instrument :
 BNA_F
 ClientSampleId :
 SHED-EAST-WALLDL

Tot Ion:	252	Resp:	45421
Ion Ratio	Lower	Upper	
252	100		
253	22.8	18.6	27.8
125	12.1	11.5	17.3

Manual Integrations
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MMdadoda
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