

Data Path : Z:\HPCHEM1\BNA F\DATA\BF120915\
 Data File : BF083646.D
 Acq On : 9 Dec 2015 18:32
 Operator : UM/IZ
 Sample : G4561-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB17B(22.5-23)

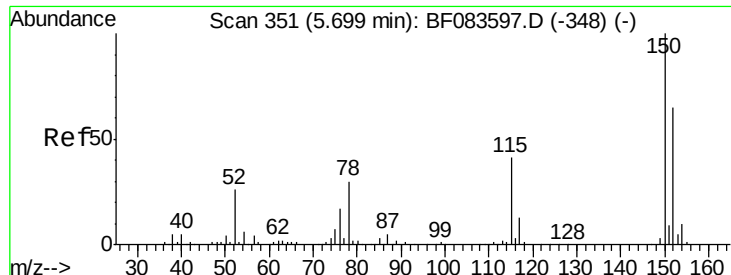
Manual Integrations
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 12/10/2015 5:50:12 PM

Quant Time: Dec 10 03:07:49 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	142128	20.00	ng	-0.02
21) Naphthalene-d8	7.58	136	522151	20.00	ng	-0.02
38) Acenaphthene-d10	10.41	164	196418	20.00	ng	0.02
63) Phenanthrene-d10	12.82	188	252213	20.00	ng	0.03
75) Chrysene-d12	16.99	240	289210	20.00	ng	0.00
86) Perylene-d12	18.64	264	242960	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.96	112	1175094	125.40	ng	-0.01
7) Phenol-d6	5.26	99	1677965	134.01	ng	-0.01
23) Nitrobenzene-d5	6.51	82	970746	86.75	ng	-0.02
41) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng	
44) 2-Fluorobiphenyl	9.33	172	1071328	76.77	ng	-0.01
78) Terphenyl-d14	15.40	244	737655	60.01	ng	-0.01
Target Compounds						
31) Naphthalene	7.62	128	541908	19.60	ng	Qvalue 99
37) 2-Methylnaphthalene	8.73	142	478585	27.55	ng	97
49) Dimethylphthalate	10.03	163	261831	16.75	ng	# 96
51) Acenaphthene	10.45	154	276678	22.74	ng	# 91
57) Fluorene	11.30	166	385917	26.21	ng	# 93
70) Phenanthrene	12.86	178	1775763	122.54	ng	98
71) Anthracene	12.93	178	428956m	28.58	ng	
74) Fluoranthene	14.76	202	1006600	67.90	ng	97
77) Pyrene	15.12	202	835933	40.15	ng	# 96
80) Benzo(a)anthracene	16.98	228	191382	11.31	ng	# 91
82) Chrysene	17.03	228	185126m	10.91	ng	
83) Bis(2-ethylhexyl)phthalate	17.08	149	56675	4.42	ng	95
87) Benzo(b)fluoranthene	18.26	252	98749m	7.14	ng	
88) Benzo(k)fluoranthene	18.27	252	45875m	3.01	ng	

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



#1

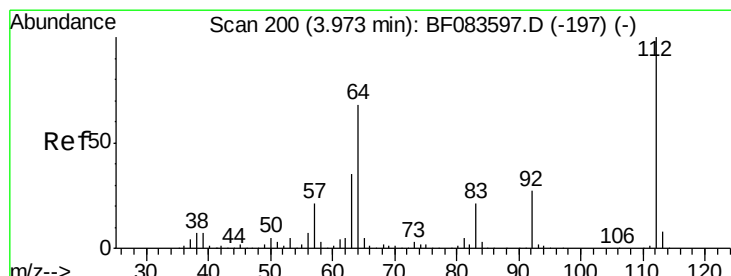
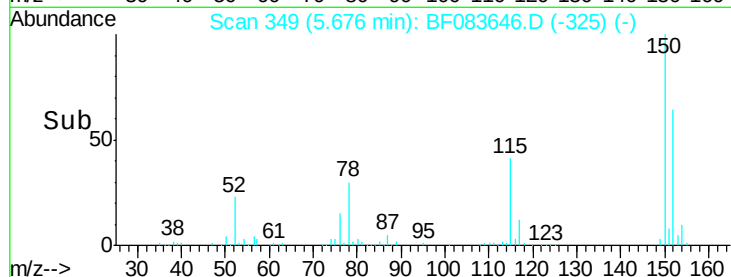
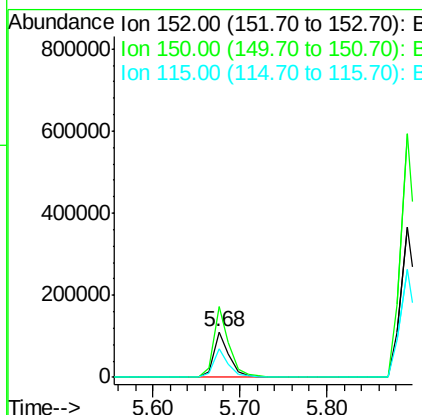
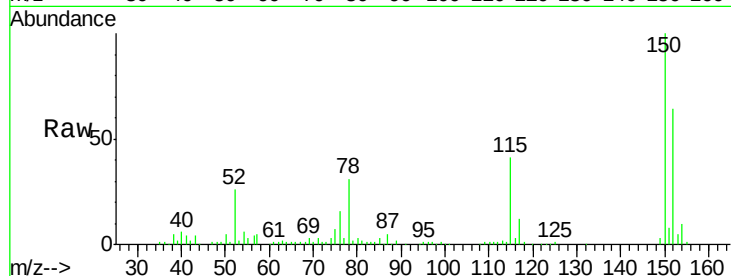
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.68 min Scan# 349
Delta R.T. -0.02 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Instrument :
BNA_F
ClientSampleId :
LS-SB17B(22.5-23)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.6	126.5	189.7
115	64.3	52.3	78.5

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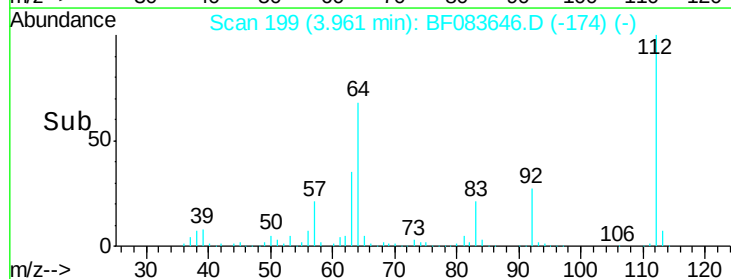
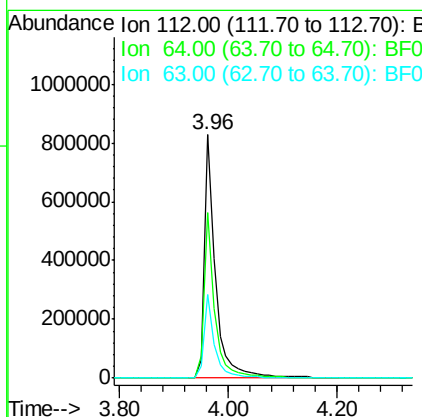
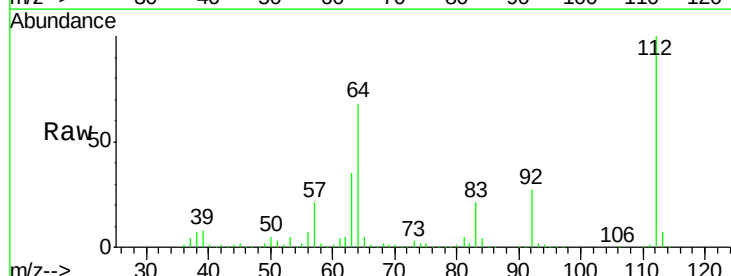
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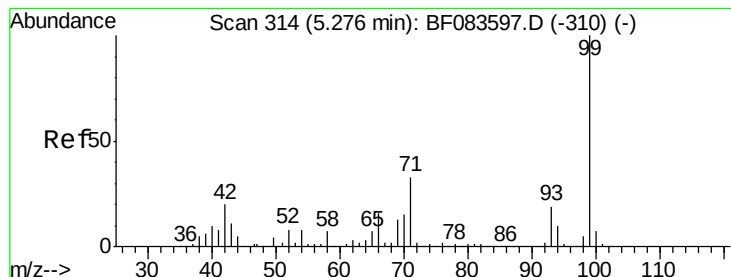


#5

2-Fluorophenol
Concen: 125.40 ng
RT: 3.96 min Scan# 199
Delta R.T. -0.01 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.2	50.5	75.7
63	34.6	25.8	38.6





#7

Phenol-d6

Concen: 134.01 ng

RT: 5.26 min Scan# 313

Delta R.T. -0.01 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Instrument :

BNA_F

ClientSampleId :

LS-SB17B(22.5-23)

Tot Ion: 99 Resp: 1677965

Ion Ratio Lower Upper

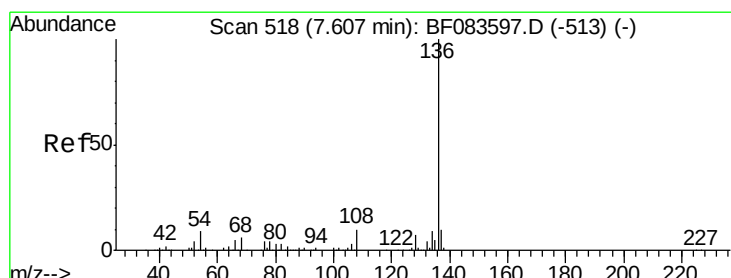
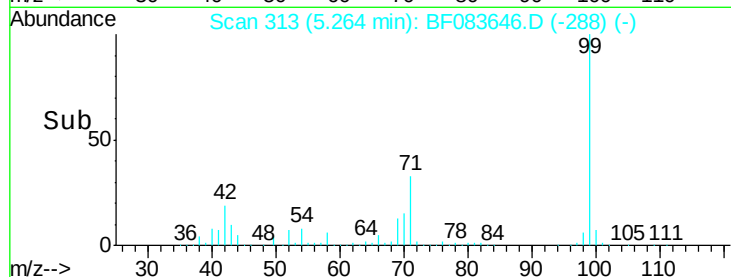
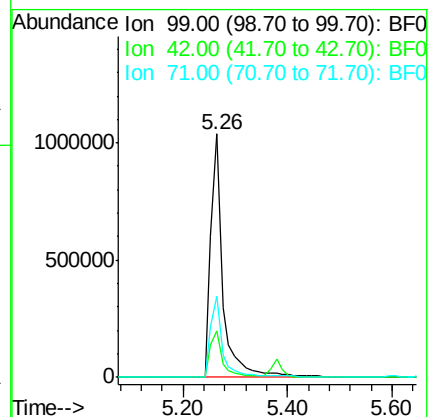
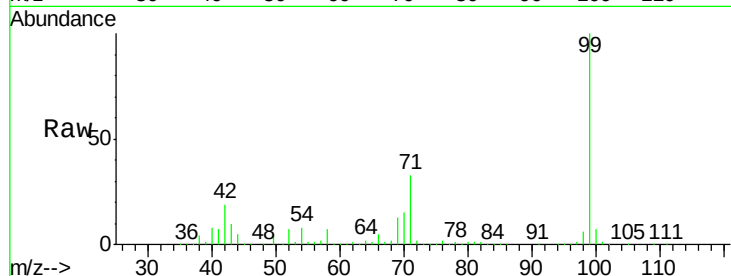
99 100

42 18.9 17.3 25.9

71 33.2 26.6 40.0

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.58 min Scan# 516

Delta R.T. -0.02 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Tgt Ion: 136 Resp: 522151

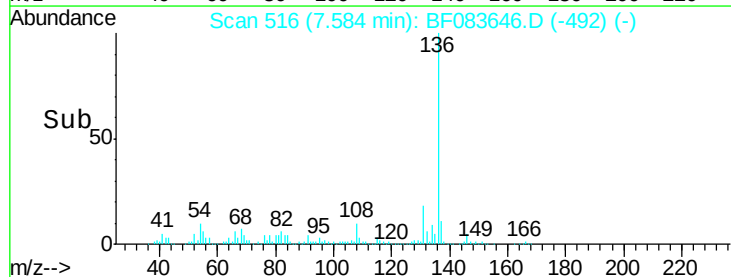
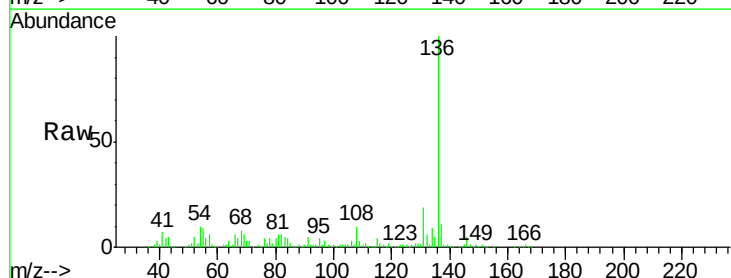
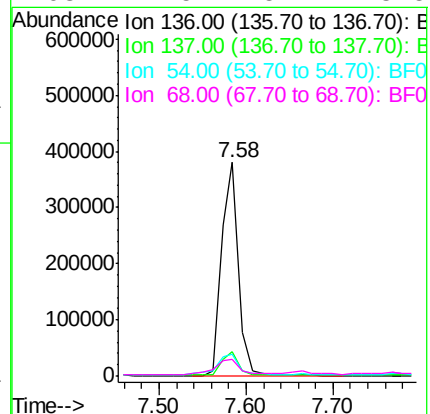
Ion Ratio Lower Upper

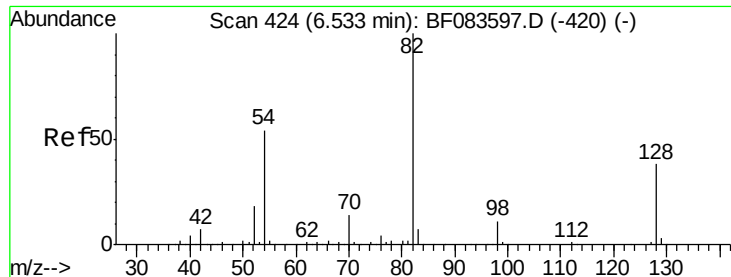
136 100

137 11.2 8.7 13.1

54 10.1 7.8 11.6

68 7.5 5.7 8.5





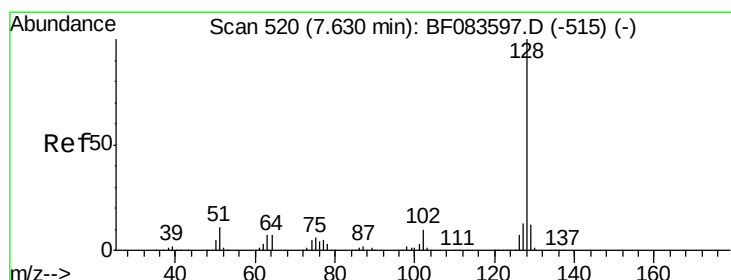
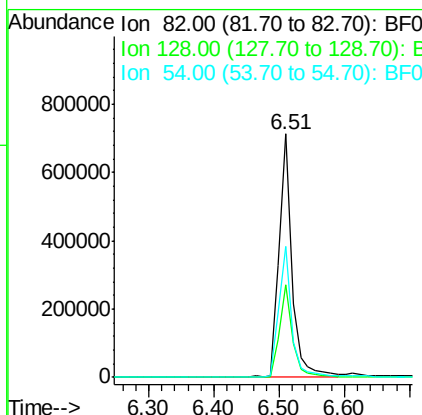
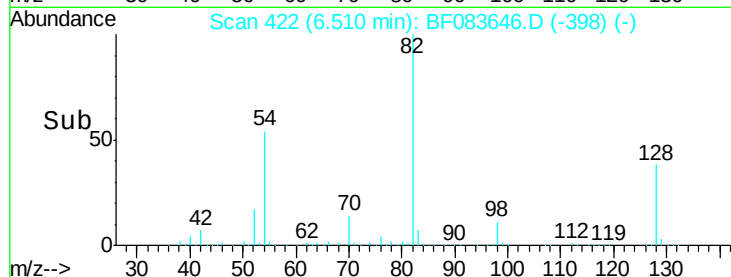
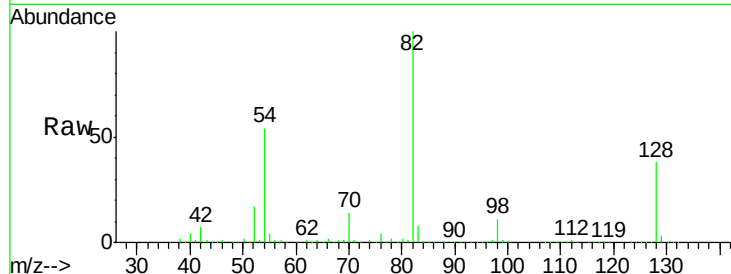
#23
Nitrobenzene-d5
Concen: 86.75 ng
RT: 6.51 min Scan# 422
Delta R.T. -0.02 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Instrument :
BNA_F
ClientSampleId :
LS-SB17B(22.5-23)

Tot Ion	Ratio	Lower	Upper
82	100		
128	38.0	30.7	46.1
54	54.0	42.5	63.7

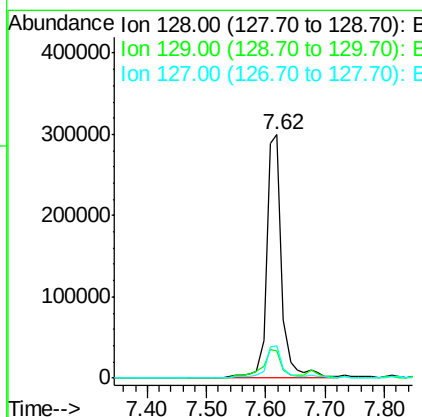
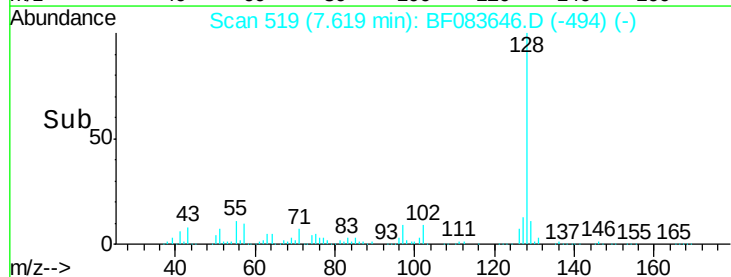
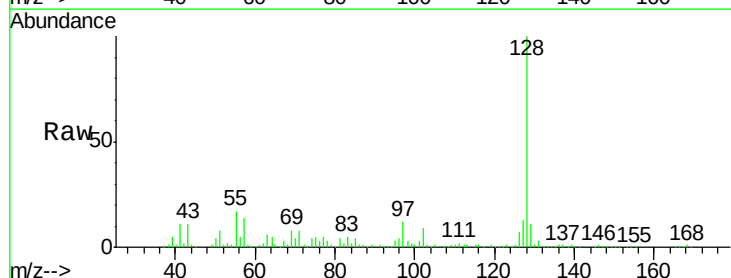
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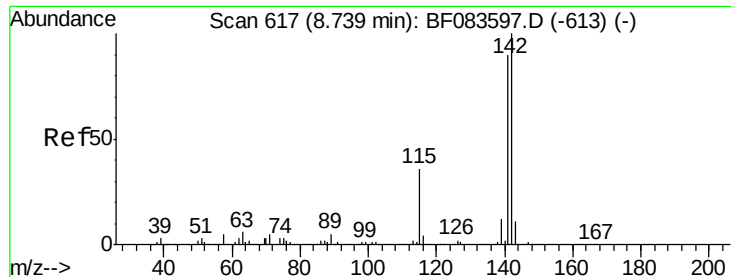
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#31
Naphthalene
Concen: 19.60 ng
RT: 7.62 min Scan# 519
Delta R.T. -0.01 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.6	13.0
127	13.2	10.6	16.0





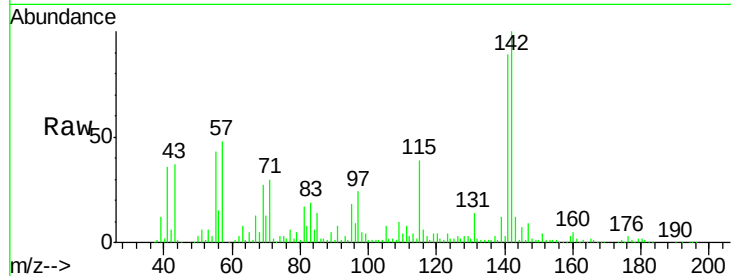
#37
2-Methylnaphthalene
Concen: 27.55 ng
RT: 8.73 min Scan# 616
Delta R.T. -0.01 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Instrument :
BNA_F
ClientSampleId :
LS-SB17B(22.5-23)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	70.3	105.5
115	39.5	29.2	43.8

Manual Integrations
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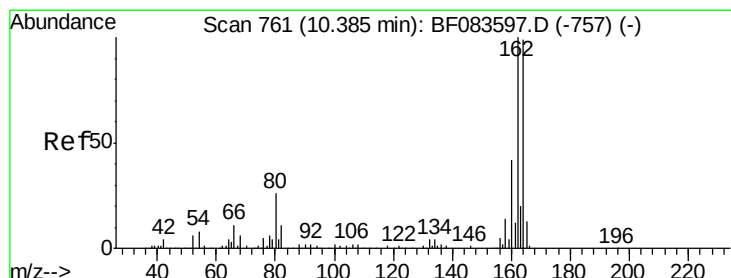
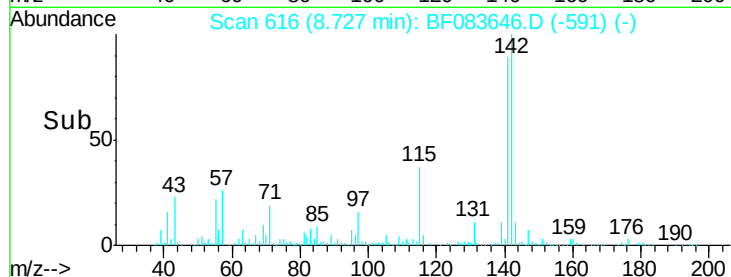
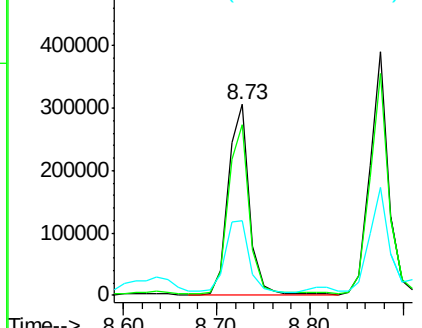


Abundance

Ion 142.00 (141.70 to 142.70): E

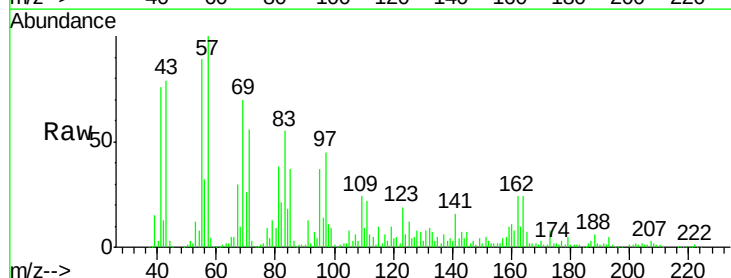
Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.41 min Scan# 763
Delta R.T. 0.02 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	78.8	118.2
160	46.1	33.4	50.2

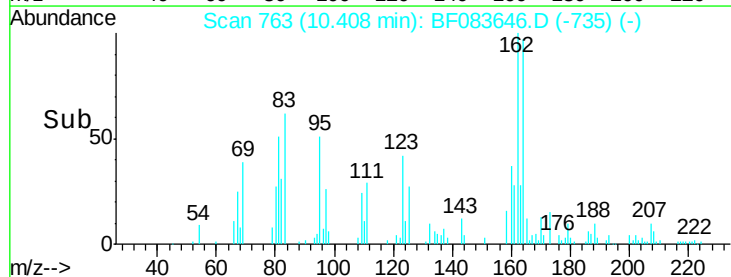
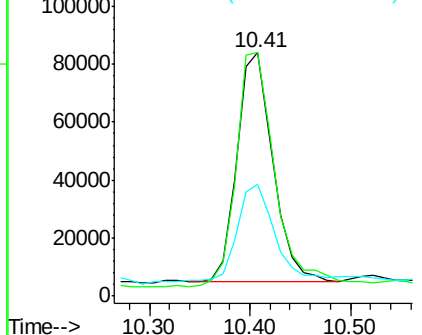


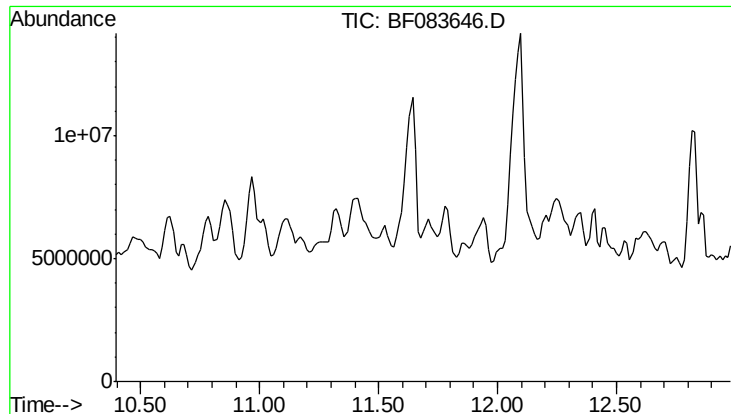
Abundance

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





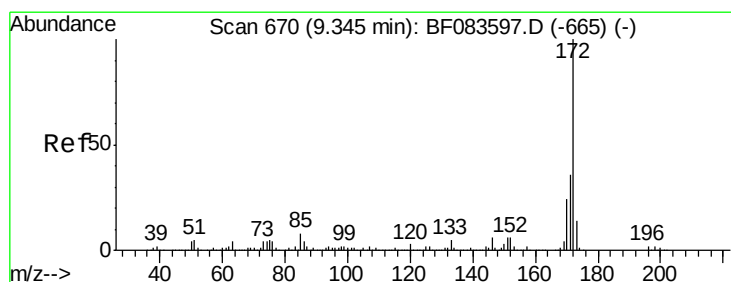
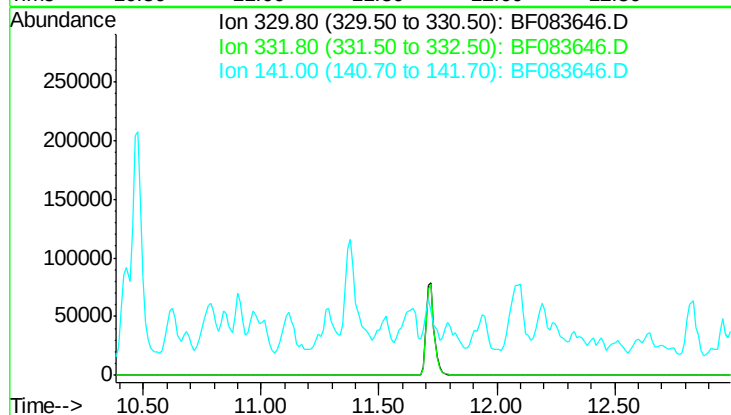
#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 11.69 min
 Lab File: BF083646.D
 Acq: 9 Dec 2015 18:32

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB17B(22.5-23)

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

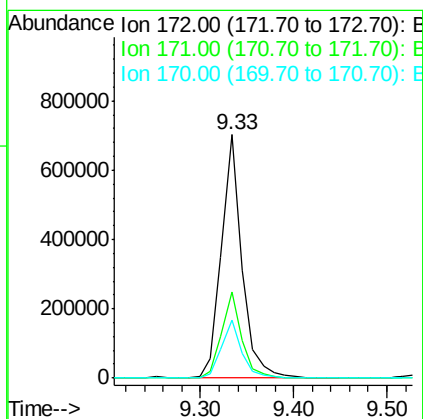
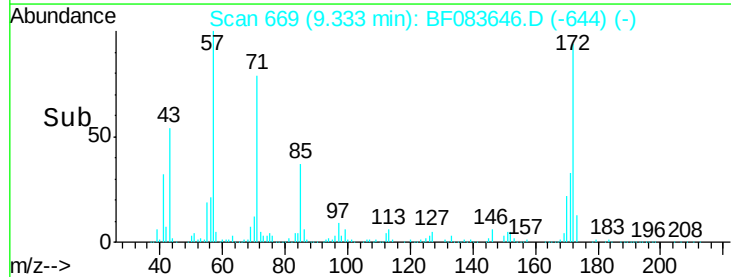
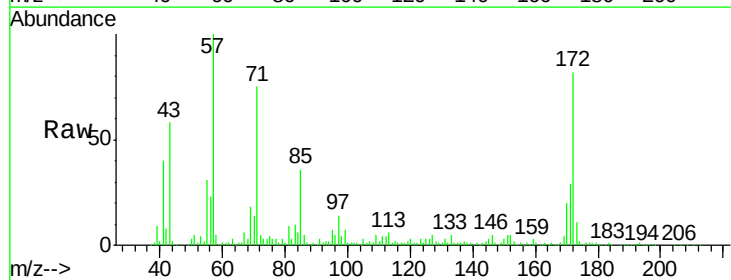
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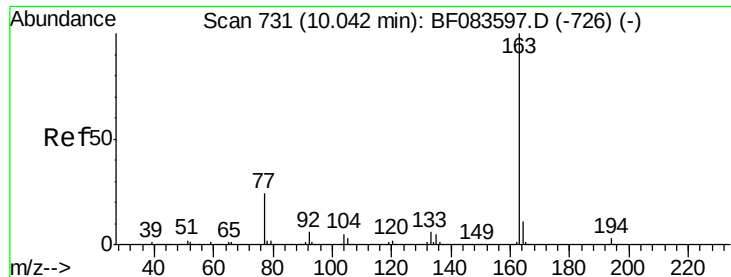
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#44
 2-Fluorobiphenyl
 Concen: 76.77 ng
 RT: 9.33 min Scan# 669
 Delta R.T. -0.01 min
 Lab File: BF083646.D
 Acq: 9 Dec 2015 18:32

Tgt Ion: 172 Resp: 1071328
 Ion Ratio Lower Upper
 172 100
 171 35.3 28.6 42.8
 170 24.0 19.4 29.0





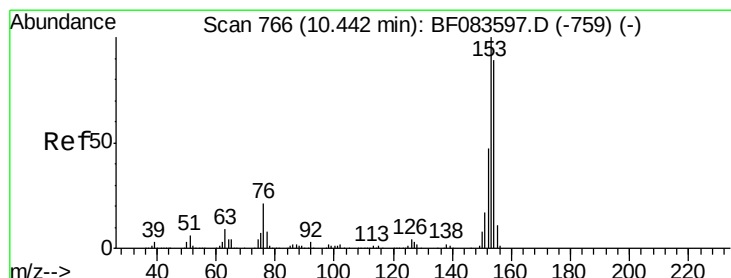
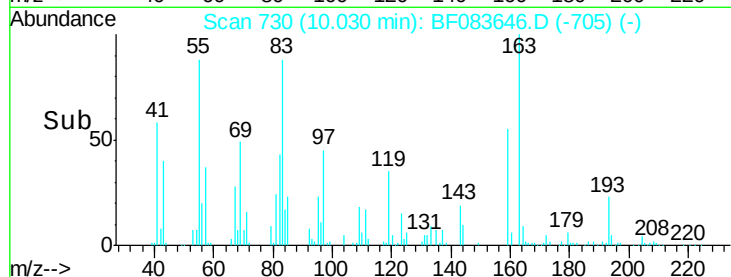
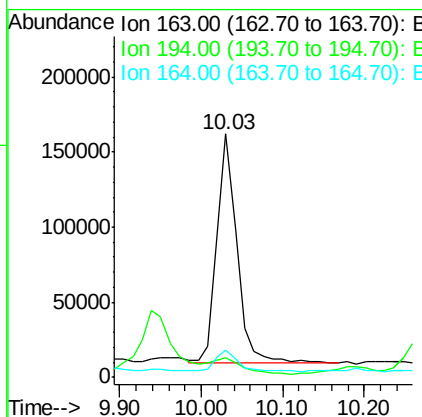
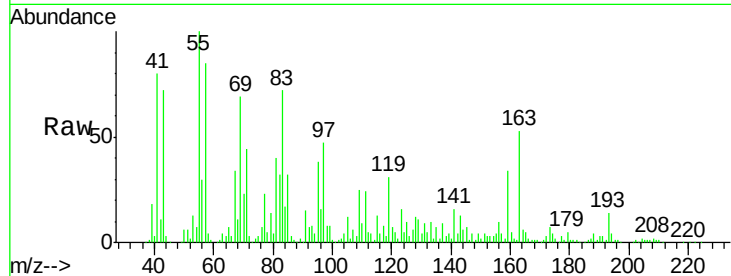
#49
Dimethylphthalate
Concen: 16.75 ng
RT: 10.03 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Instrument :
BNA_F
ClientSampleId :
LS-SB17B(22.5-23)

Tot Ion	Ratio	Resp	Lower	Upper
163	100	261831		
194	8.2	2.8	4.2#	
164	11.3	8.6	13.0	

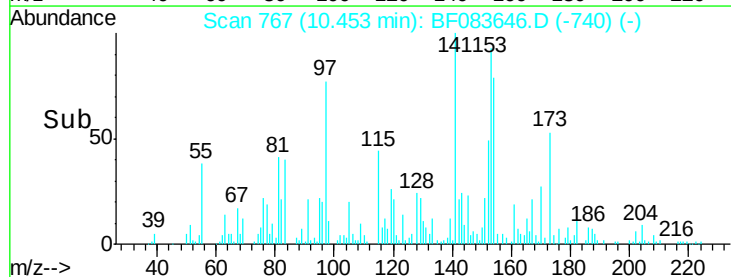
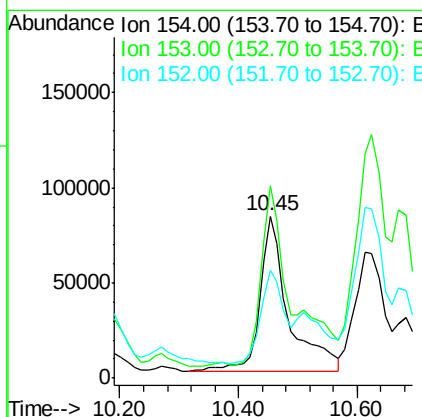
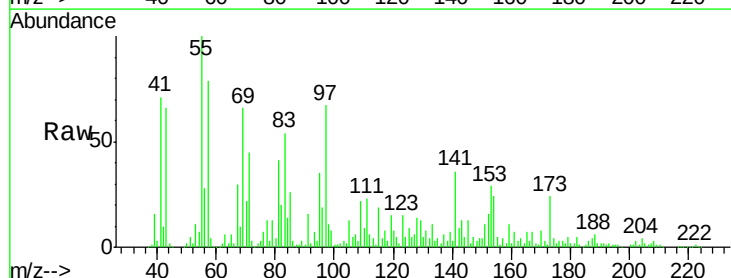
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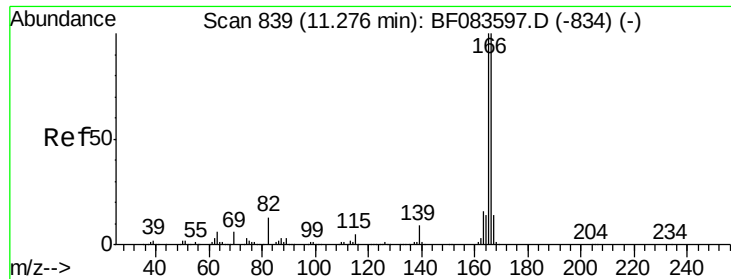
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#51
Acenaphthene
Concen: 22.74 ng
RT: 10.45 min Scan# 767
Delta R.T. 0.01 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	276678		
153	118.7	91.4	137.0	
152	67.1	43.4	65.2#	





#57

Fluorene

Concen: 26.21 ng

RT: 11.30 min Scan# 841

Delta R.T. 0.02 min

Lab File: BF083646.D

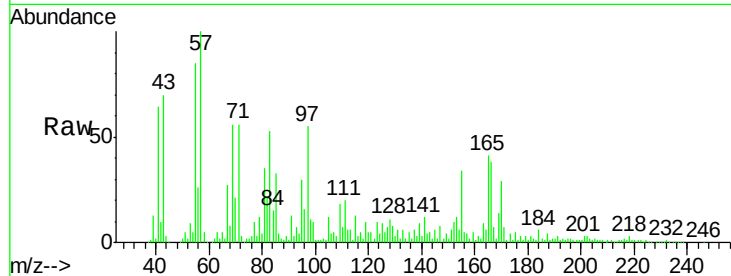
Acq: 9 Dec 2015 18:32

Instrument :

BNA_F

ClientSampleId :

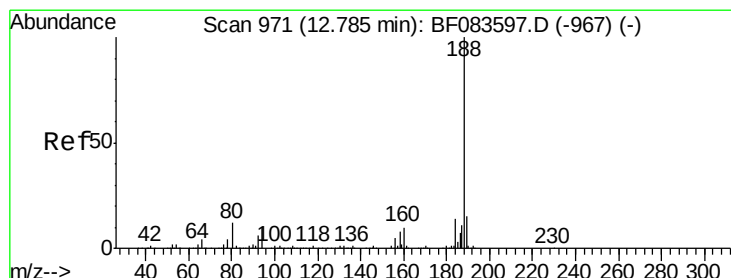
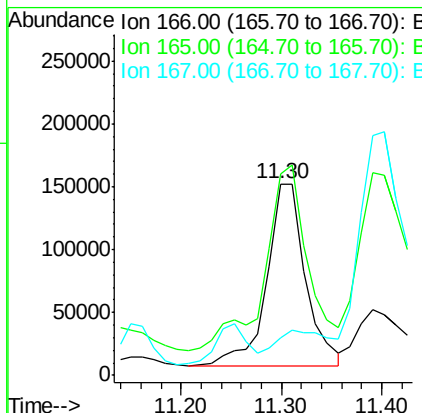
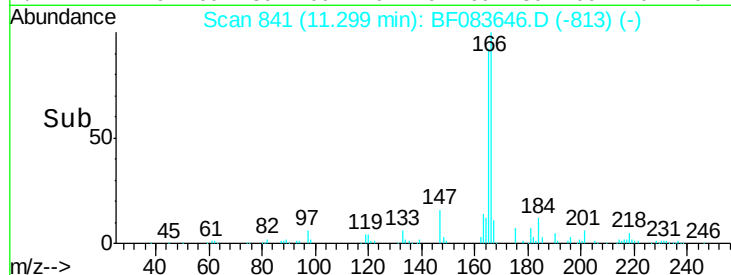
LS-SB17B(22.5-23)



Tot Ion:	166	Resp:	385917
Ion Ratio	Lower	Upper	
166	100		
165	105.5	80.0	120.0
167	19.4	10.6	16.0#

Manual Integrations
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#63

Phenanthrene-d10

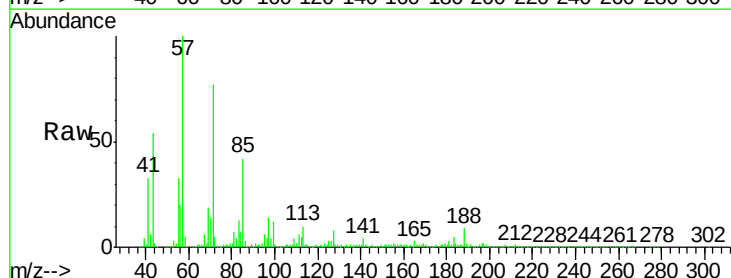
Concen: 20.00 ng

RT: 12.82 min Scan# 974

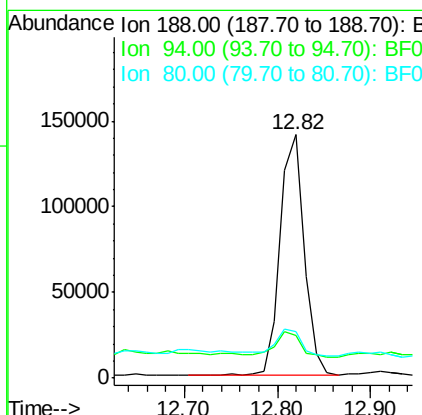
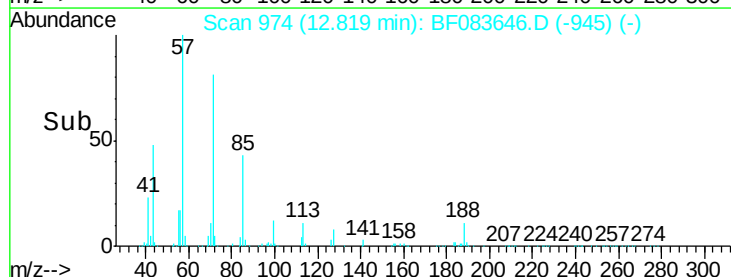
Delta R.T. 0.03 min

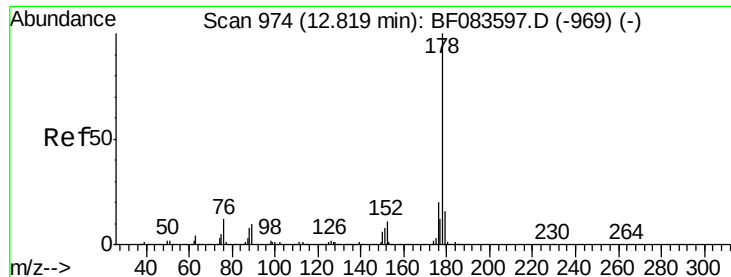
Lab File: BF083646.D

Acq: 9 Dec 2015 18:32



Tgt Ion:	188	Resp:	252213
Ion Ratio	Lower	Upper	
188	100		
94	17.3	9.4	14.2#
80	19.0	10.6	16.0#





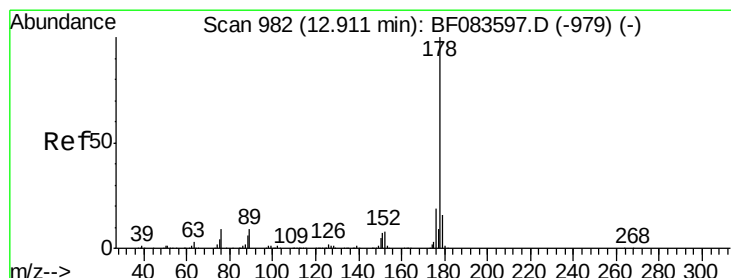
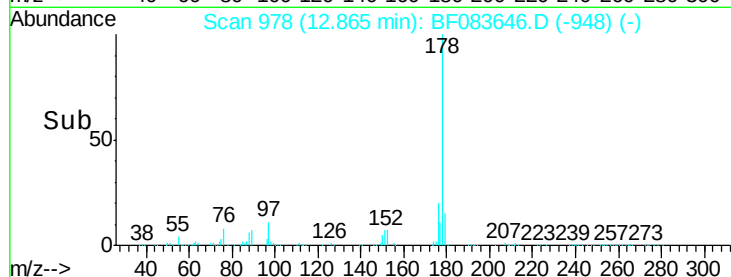
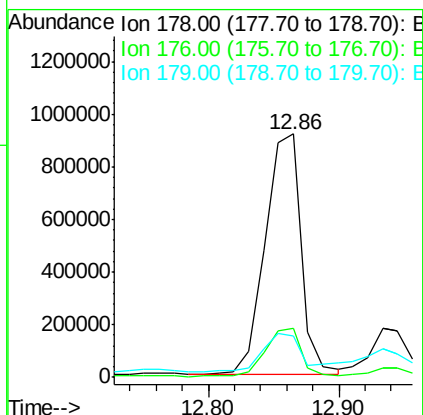
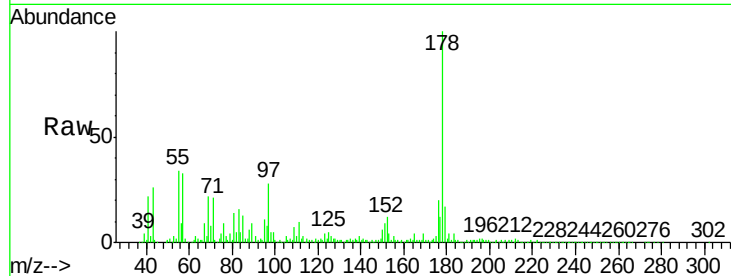
#70
Phenanthrene
Concen: 122.54 ng
RT: 12.86 min Scan# 978
Delta R.T. 0.05 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Instrument :
BNA_F
ClientSampleId :
LS-SB17B(22.5-23)

Tot Ion:178 Resp: 1775763
Ion Ratio Lower Upper
178 100
176 20.0 15.7 23.5
179 17.1 12.2 18.4

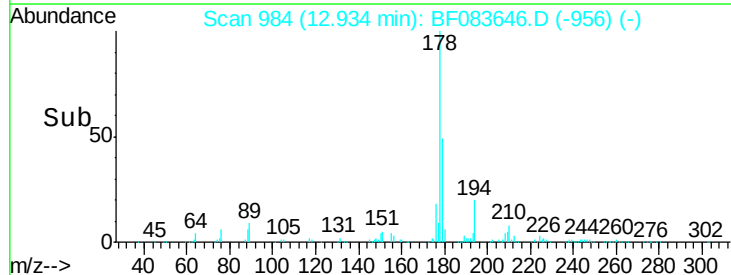
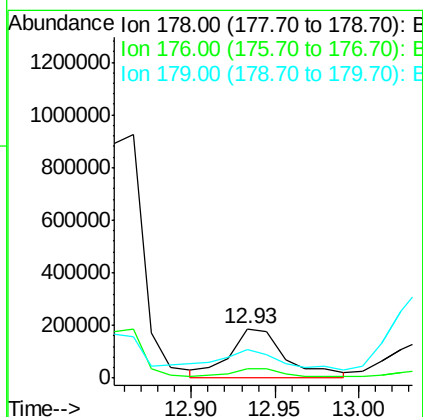
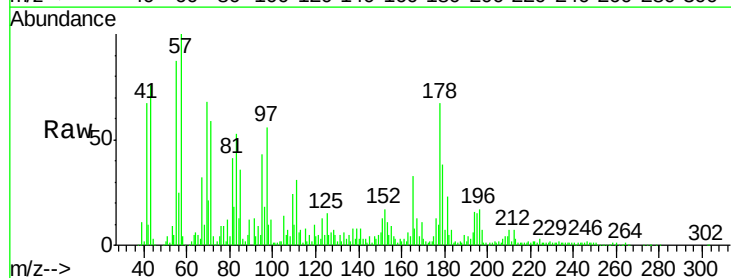
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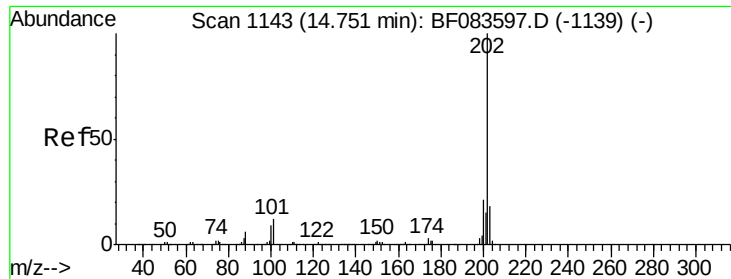
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#71
Anthracene
Concen: 28.58 ng m
RT: 12.93 min Scan# 984
Delta R.T. 0.02 min
Lab File: BF083646.D
Acq: 9 Dec 2015 18:32

Tgt Ion:178 Resp: 428956
Ion Ratio Lower Upper
178 100
176 20.0 15.2 22.8
179 57.1 12.6 18.8#





#74

Fluoranthene

Concen: 67.90 ng

RT: 14.76 min Scan# 1144

Delta R.T. 0.01 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Instrument :

BNA_F

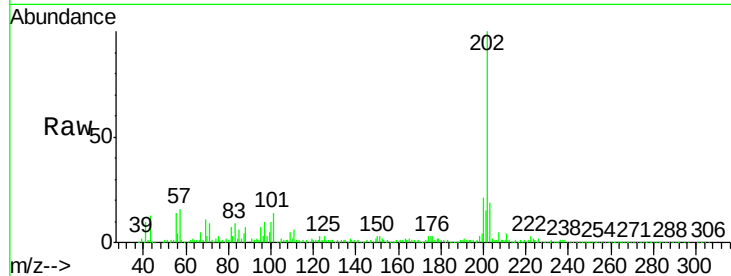
ClientSampleId :

LS-SB17B(22.5-23)

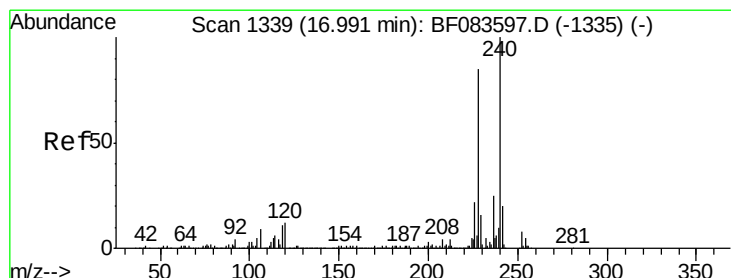
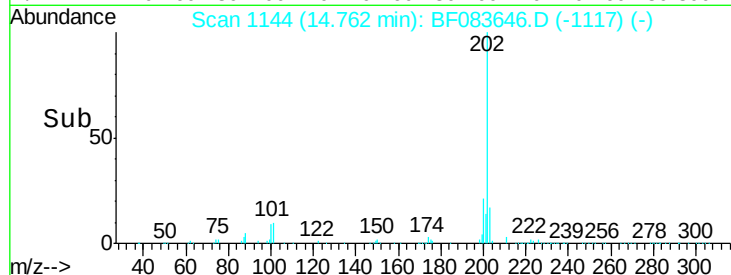
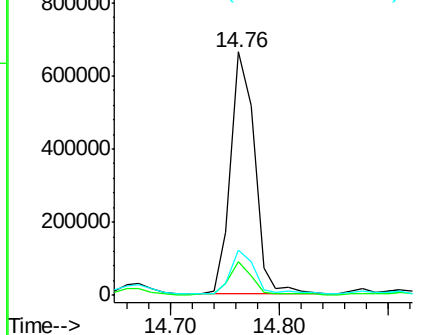
Tot Ion:	202	Resp:	1006600
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	31.5
203	18.5	0.0	37.6

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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

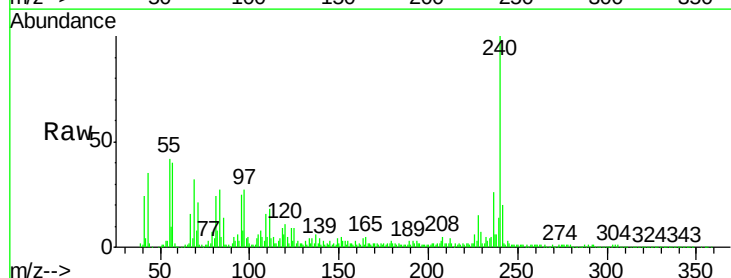
RT: 16.99 min Scan# 1339

Delta R.T. 0.00 min

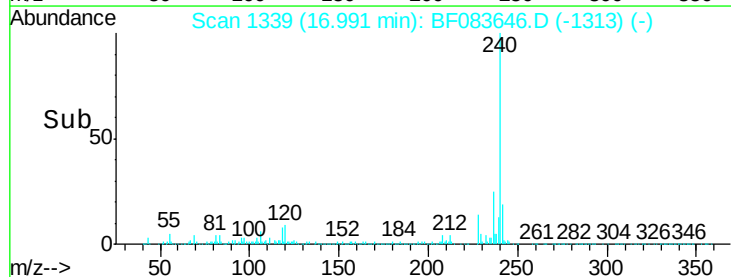
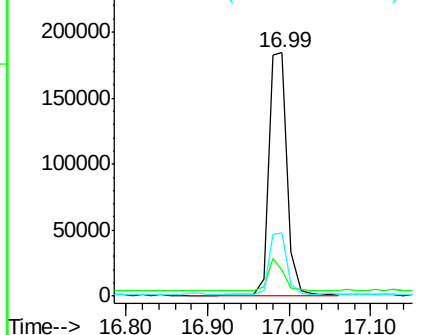
Lab File: BF083646.D

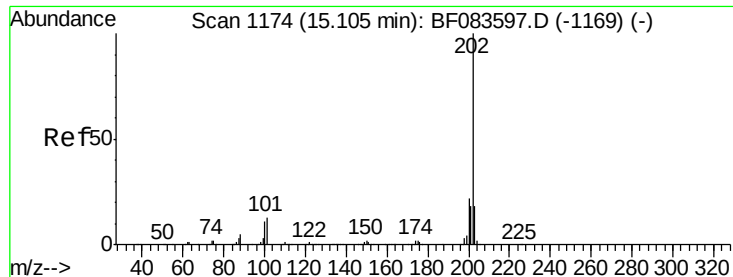
Acq: 9 Dec 2015 18:32

Tgt Ion:	240	Resp:	289210
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.1	12.1
236	26.0	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: 40.15 ng

RT: 15.12 min Scan# 1175

Delta R.T. 0.01 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Instrument :

BNA_F

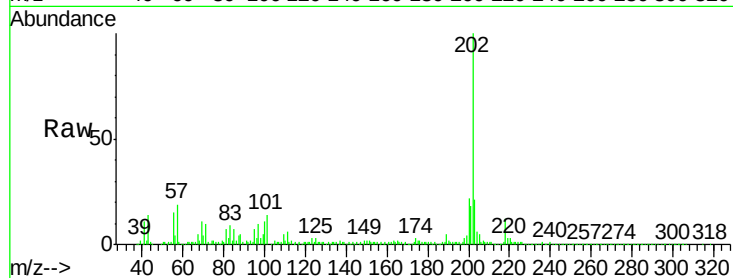
ClientSampleId :

LS-SB17B(22.5-23)

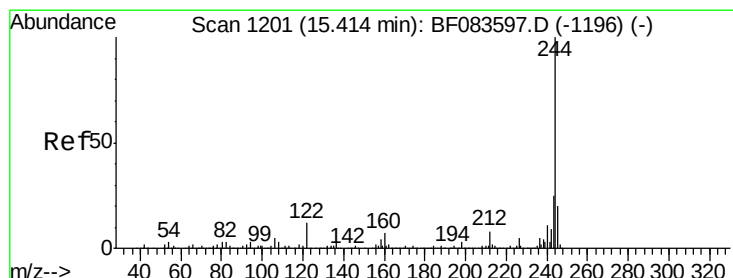
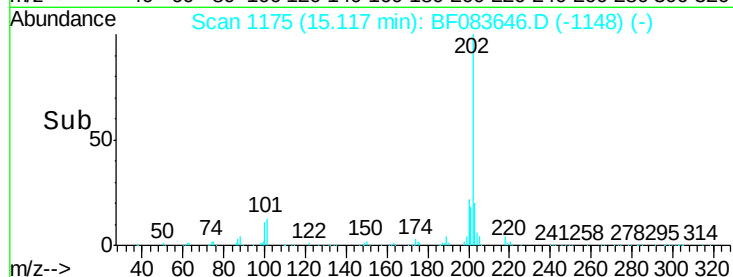
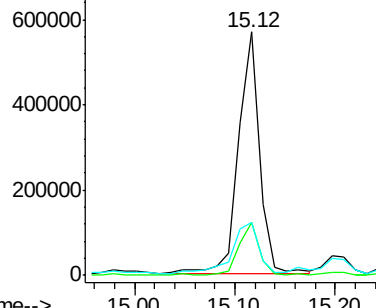
Tot Ion:	202	Resp:	835933
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.7	25.1
203	21.5	14.3	21.5#

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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: 60.01 ng

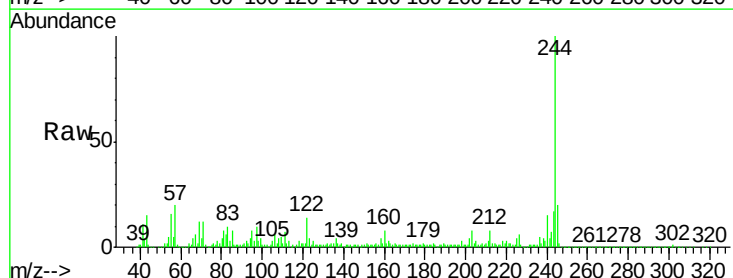
RT: 15.40 min Scan# 1200

Delta R.T. -0.01 min

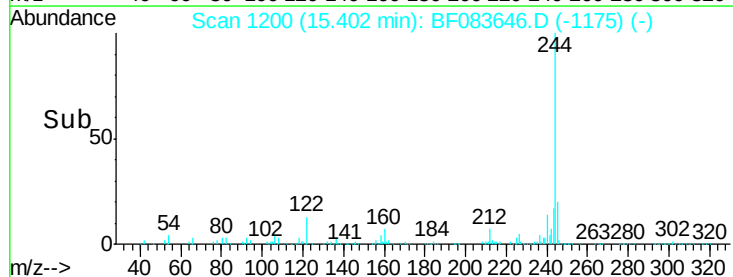
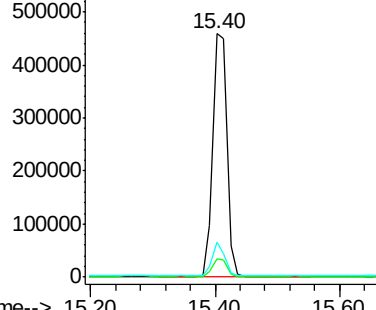
Lab File: BF083646.D

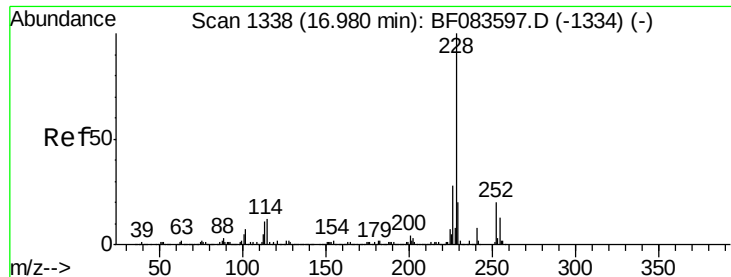
Acq: 9 Dec 2015 18:32

Tgt Ion:	244	Resp:	737655
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.1	9.1
122	14.3	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: 11.31 ng

RT: 16.98 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Instrument :

BNA_F

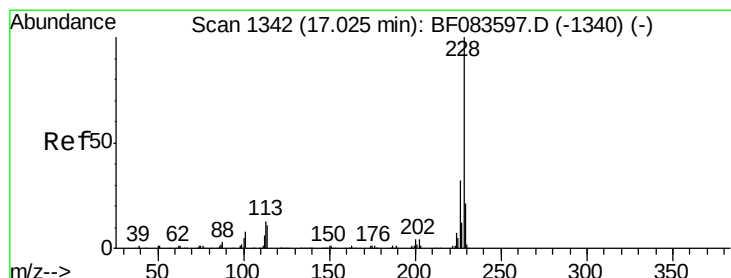
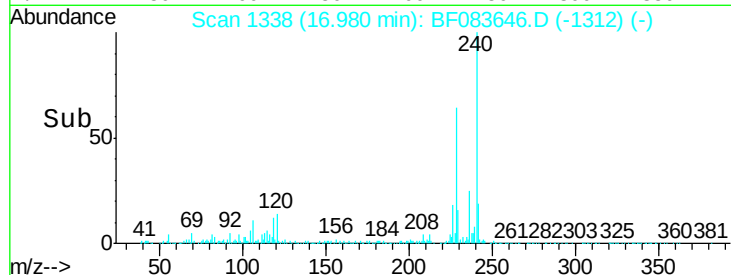
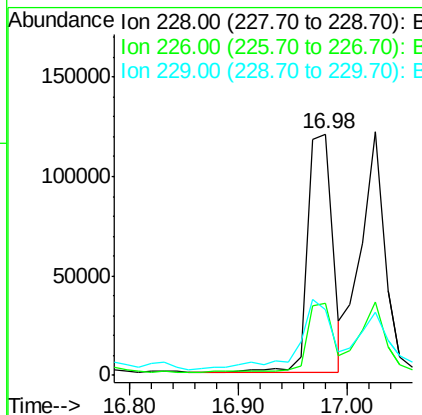
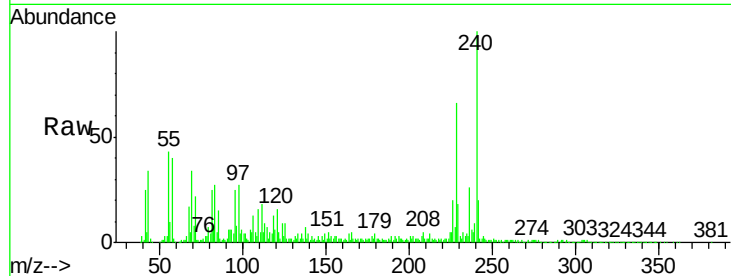
ClientSampleId :

LS-SB17B(22.5-23)

Tot Ion:	228	Resp:	191382
Ion Ratio	Lower	Upper	
228	100		
226	29.7	22.3	33.5
229	27.0	15.7	23.5

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#82

Chrysene

Concen: 10.91 ng m

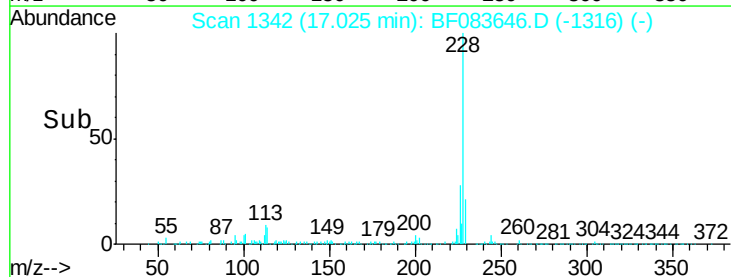
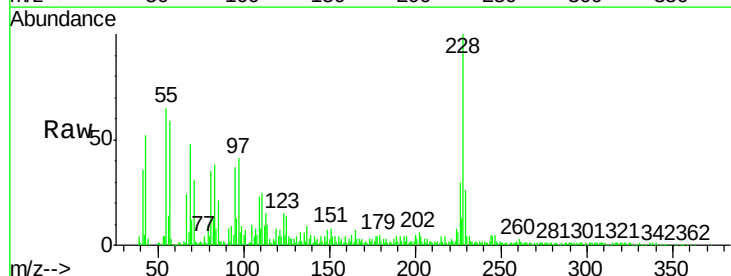
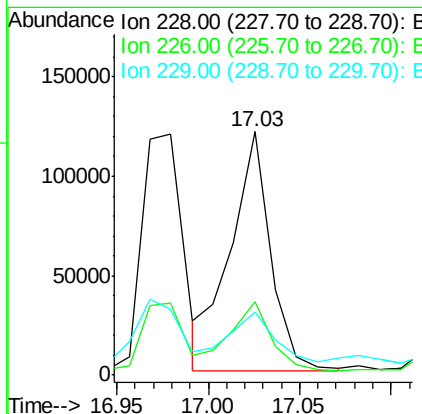
RT: 17.03 min Scan# 1342

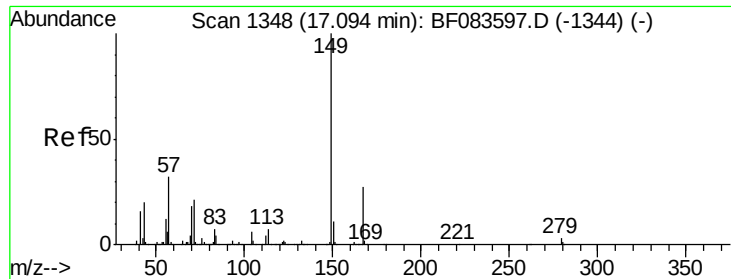
Delta R.T. 0.00 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Tgt Ion:	228	Resp:	185126
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.7	37.1
229	25.8	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 4.42 ng

RT: 17.08 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF083646.D

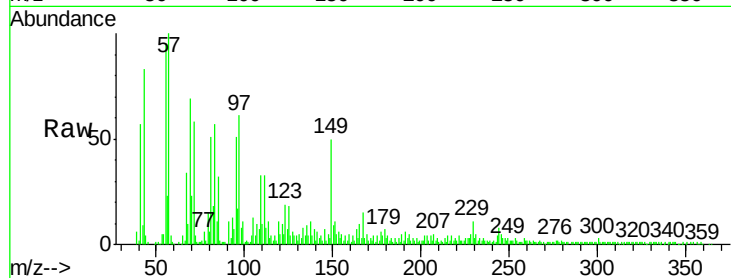
Acq: 9 Dec 2015 18:32

Instrument :

BNA_F

ClientSampleId :

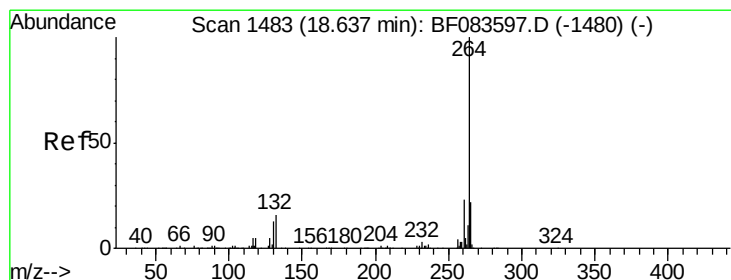
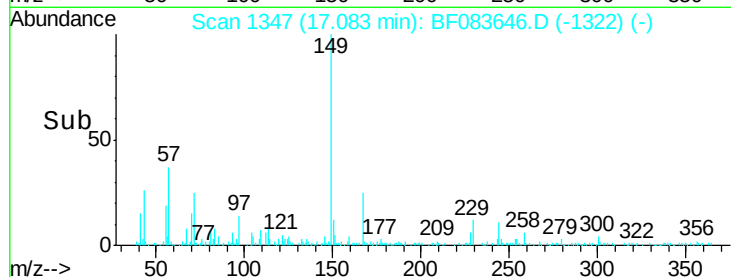
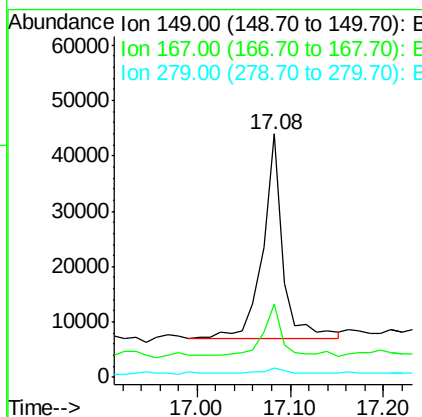
LS-SB17B(22.5-23)



Tot Ion:	149	Resp:	56675
Ion Ratio	Lower	Upper	
149	100		
167	30.3	21.8	32.8
279	4.0	3.0	4.4

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#86

Perylene-d12

Concen: 20.00 ng

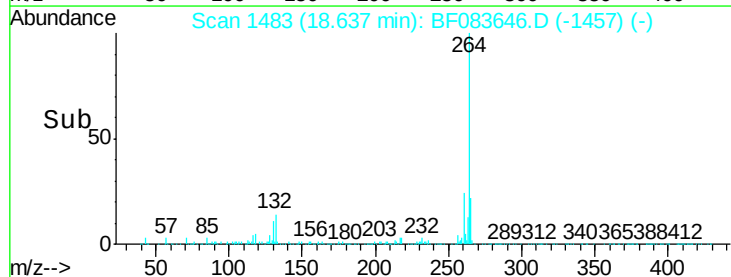
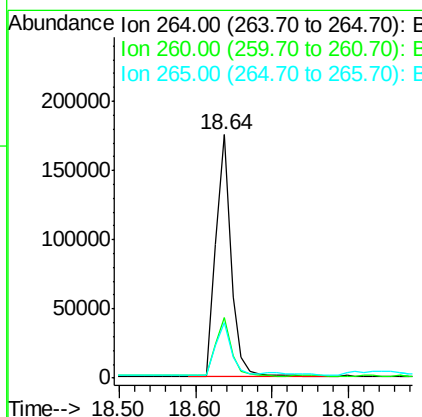
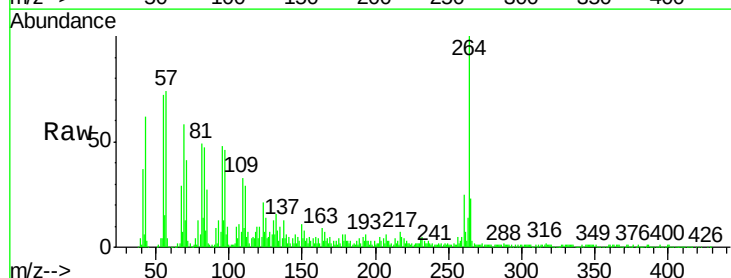
RT: 18.64 min Scan# 1483

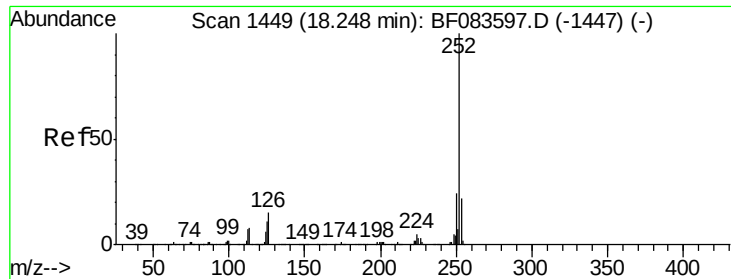
Delta R.T. 0.00 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Tgt Ion:	264	Resp:	242960
Ion Ratio	Lower	Upper	
264	100		
260	24.9	19.4	29.0
265	22.6	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 7.14 ng m

RT: 18.26 min Scan# 1450

Delta R.T. 0.01 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Instrument :

BNA_F

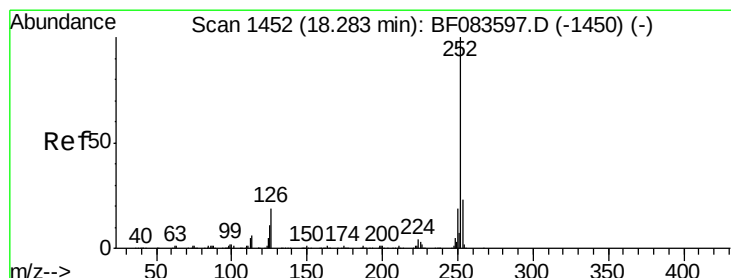
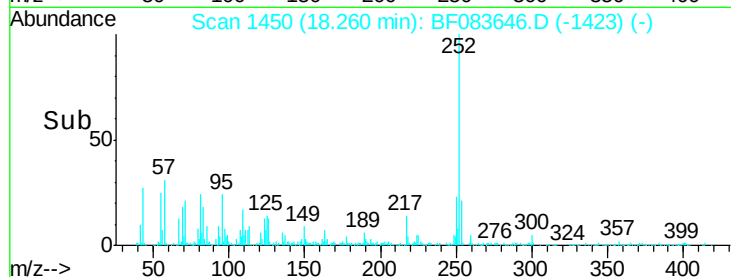
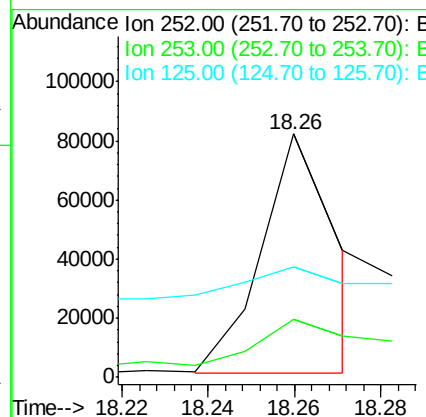
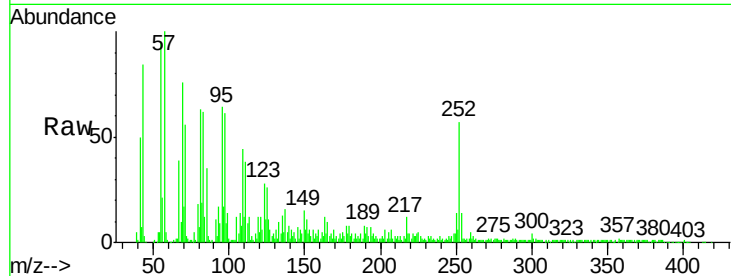
ClientSampleId :

LS-SB17B(22.5-23)

Tot Ion:	252	Resp:	98749
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.4
125	45.2	8.2	12.4#

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#88

Benzo(k)fluoranthene

Concen: 3.01 ng m

RT: 18.27 min Scan# 1451

Delta R.T. -0.01 min

Lab File: BF083646.D

Acq: 9 Dec 2015 18:32

Tgt Ion:	252	Resp:	45875
Ion Ratio	Lower	Upper	
252	100		
253	32.9	18.6	27.8#
125	74.2	11.5	17.3#

