

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032416\
 Data File : BF085744.D
 Acq On : 25 Mar 2016 6:07
 Operator : UM/SJ
 Sample : H1884-13
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-3(3-4)

Manual Integrations
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Quant Time: Mar 25 15:40:24 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 24 14:15:39 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	111294	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	429933	20.00	ng	-0.01
38) Acenaphthene-d10	9.86	164	193413	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	297328	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	211027	20.00	ng	0.00
86) Perylene-d12	15.41	264	214280	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	757371	113.33	ng	0.01
7) Phenol-d6	6.46	99	882558	103.87	ng	0.00
23) Nitrobenzene-d5	7.40	82	611457	80.09	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	199196	108.40	ng	0.00
44) 2-Fluorobiphenyl	9.19	172	996222	86.06	ng	0.00
78) Terphenyl-d14	12.93	244	593824	57.87	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.13	128	250619	11.57	ng	99
37) 2-Methylnaphthalene	8.82	142	137704	8.36	ng	99
45) 1,1'-Biphenyl	9.28	154	34635	2.12	ng	96
49) Dimethylphthalate	9.58	163	97454	6.64	ng	99
51) Acenaphthene	9.89	154	89943	7.53	ng	98
54) Dibenzofuran	10.07	168	145383	9.40	ng	94
57) Fluorene	10.40	166	81964m	6.38	ng	
68) Atrazine	11.04	200	47175	14.84	ng	93
70) Phenanthrene	11.37	178	353197	23.14	ng	98
71) Anthracene	11.42	178	234439m	14.63	ng	
74) Fluoranthene	12.56	202	673423	41.50	ng	91
77) Pyrene	12.78	202	486760	28.06	ng	98
80) Benzo(a)anthracene	13.97	228	199184m	16.55	ng	
82) Chrysene	14.00	228	218008m	17.99	ng	
83) Bis(2-ethylhexyl)phthalate	13.96	149	29302	3.37	ng	# 95
85) Indeno(1,2,3-cd)pyrene	16.79	276	68830	7.35	ng	# 92
87) Benzo(b)fluoranthene	15.00	252	215039m	15.93	ng	
88) Benzo(k)fluoranthene	15.01	252	88985m	7.31	ng	
89) Benzo(a)pyrene	15.34	252	122169	10.19	ng	# 92
91) Benzo(g,h,i)perylene	17.21	276	57640	5.11	ng	98

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

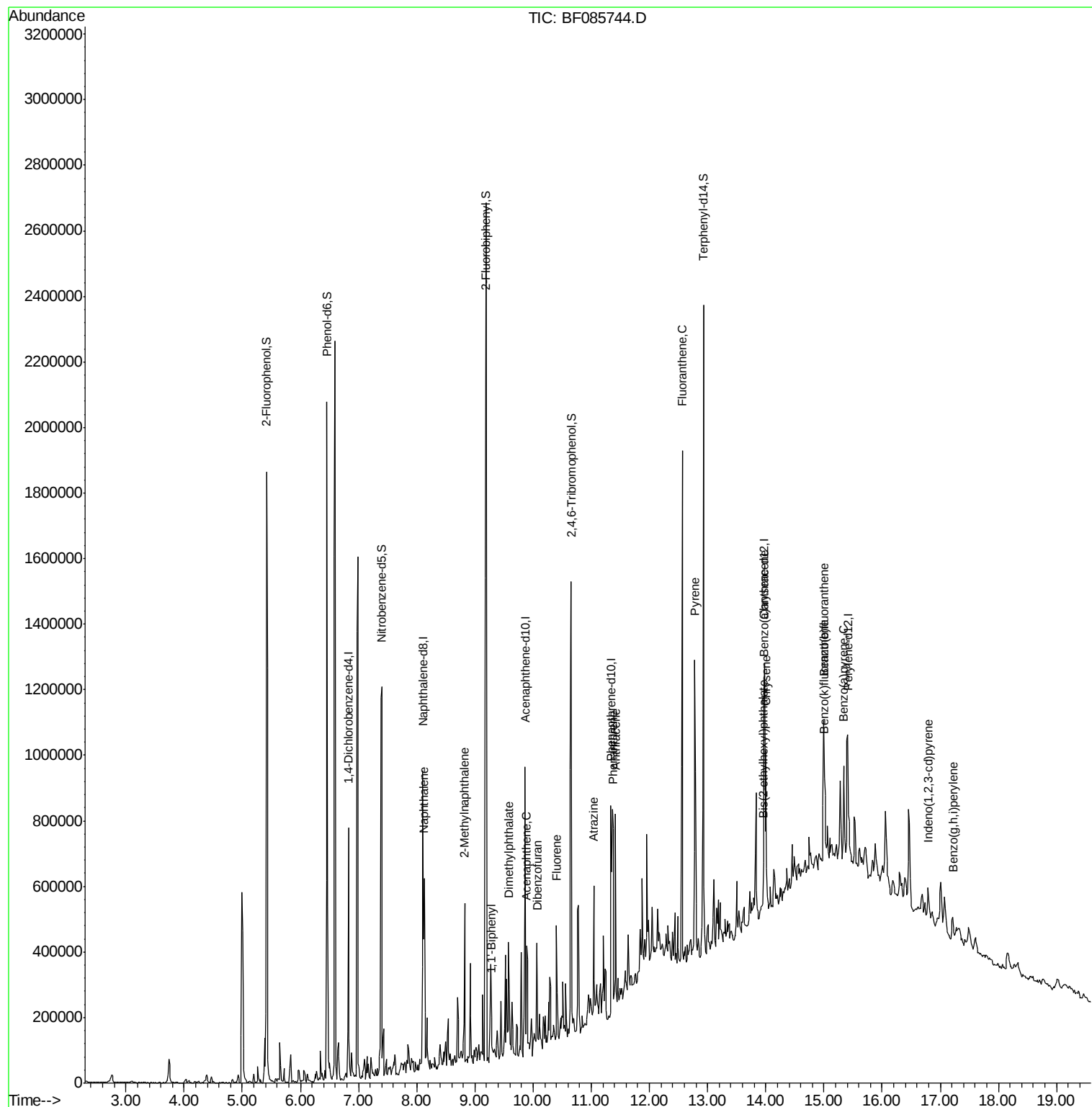
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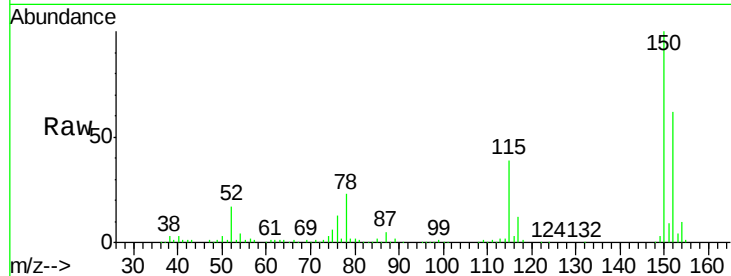




#1

1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.82 min Scan# 397
 Delta R.T. -0.00 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

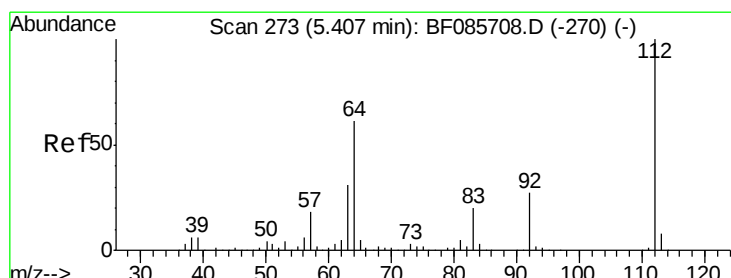
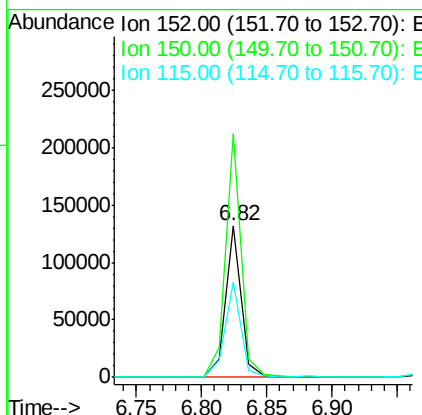
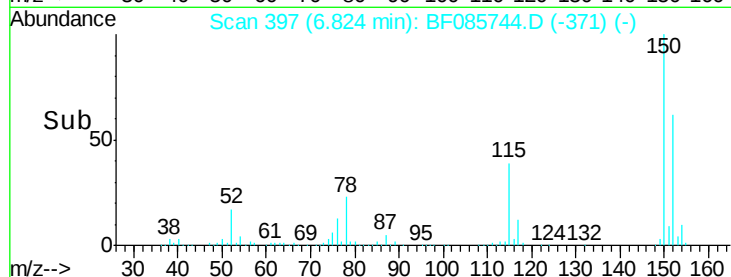
Instrument :
 BNA_F
 ClientSampleId :
 GW-3(3-4)



Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.2	186.2
115	62.7	47.0	70.6

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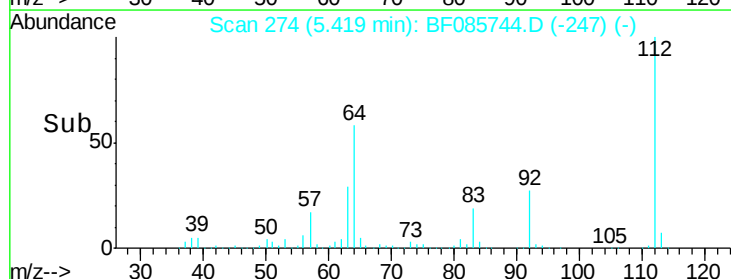
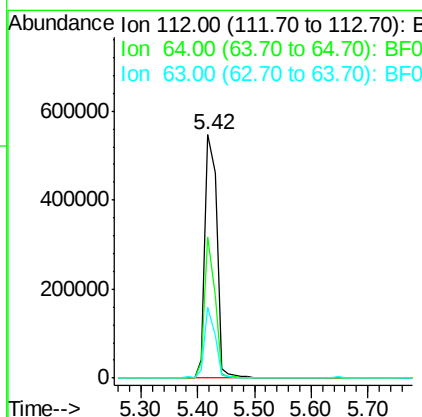
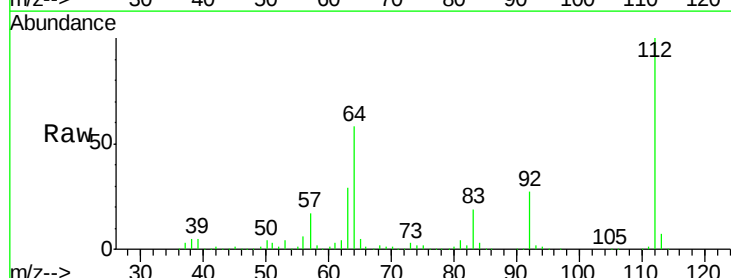
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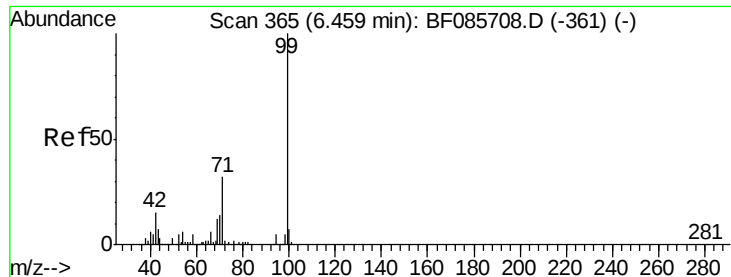


#5

2-Fluorophenol
 Concen: 113.33 ng
 RT: 5.42 min Scan# 274
 Delta R.T. 0.01 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.2	39.9	59.9
63	29.2	20.2	30.2





#7

Phenol-d6

Concen: 103.87 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

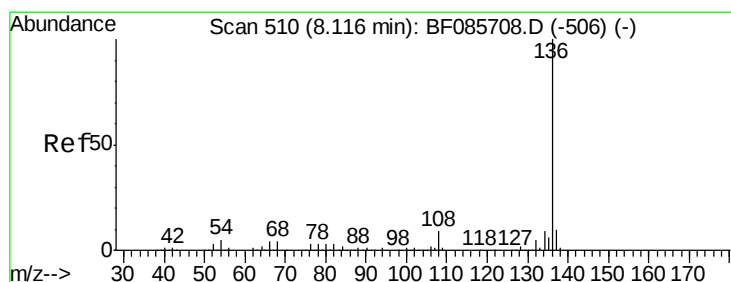
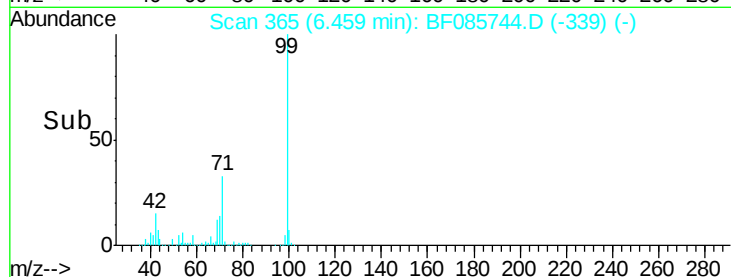
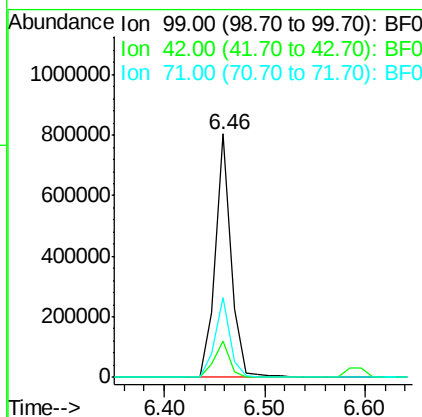
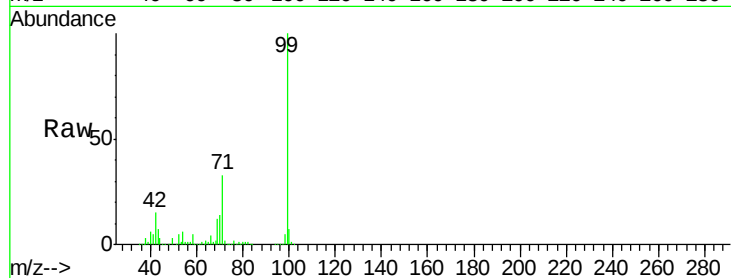
ClientSampleId :

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Tgt Ion:	99	Resp:	882558
Ion Ratio	Lower	Upper	
99	100		
42	15.1	11.1	16.7
71	32.7	24.9	37.3

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#21

Naphthalene-d8

Concen: 20.00 ng

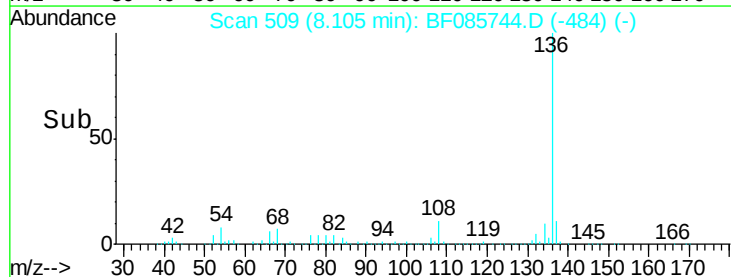
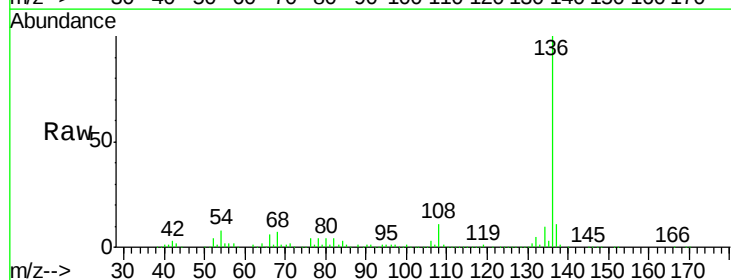
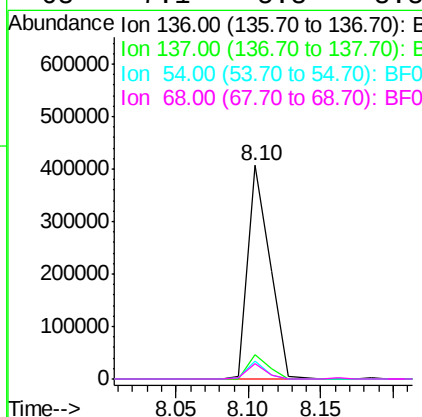
RT: 8.10 min Scan# 509

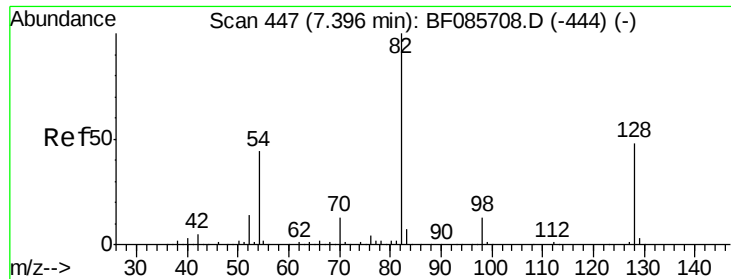
Delta R.T. -0.01 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Tgt Ion:	136	Resp:	429933
Ion Ratio	Lower	Upper	
136	100		
137	11.3	9.1	13.7
54	8.3	7.4	11.0
68	7.1	5.8	8.8





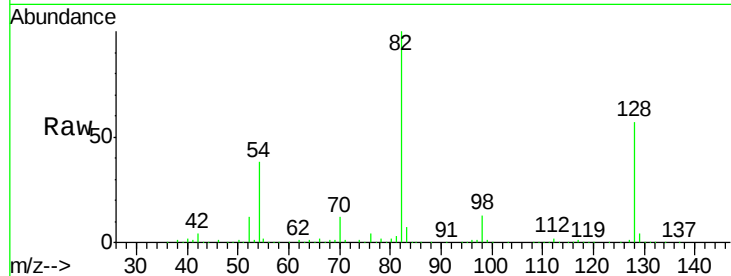
#23
Nitrobenzene-d5
Concen: 80.09 ng
RT: 7.40 min Scan# 447
Delta R.T. -0.00 min
Lab File: BF085744.D
Acq: 25 Mar 2016 6:07

Instrument :
BNA_F
ClientSampleId :
GW-3(3-4)

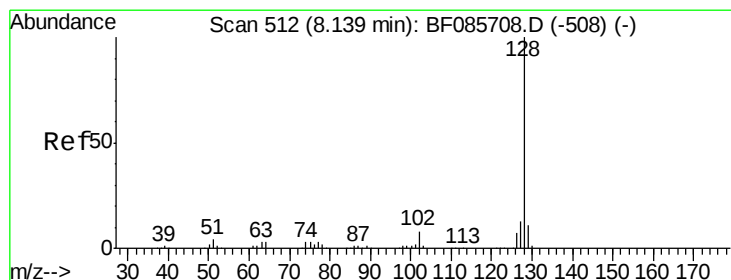
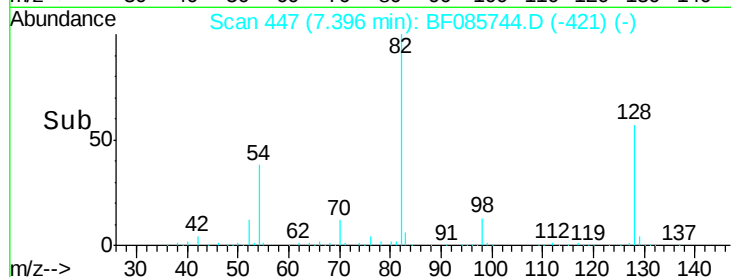
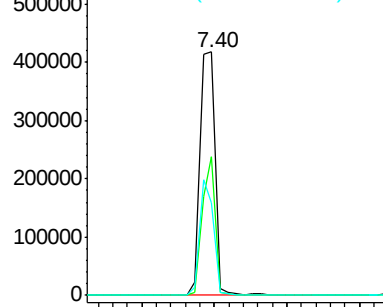
Tgt Ion	Ratio	Resp Lower	Resp Upper
82	100		
128	56.8	41.8	62.8
54	38.2	33.4	50.0

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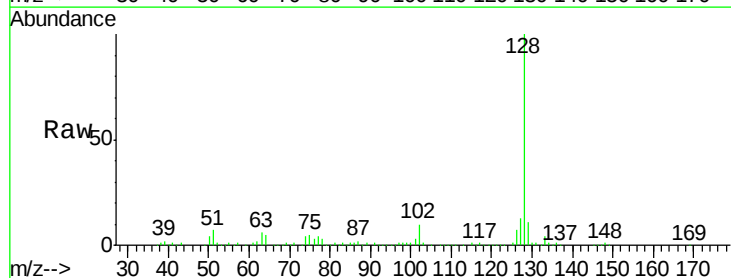


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

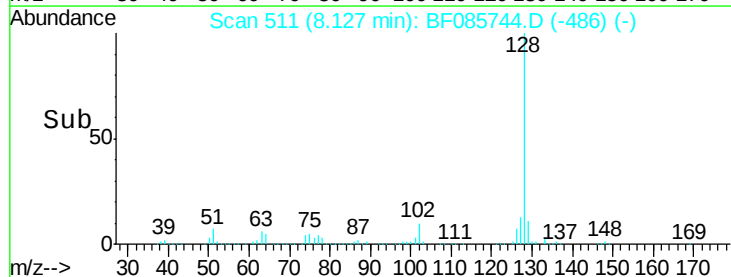
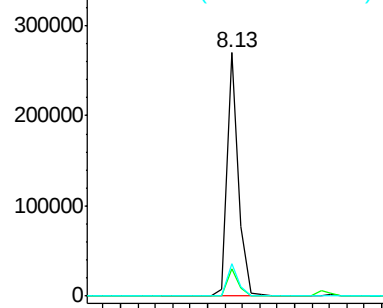


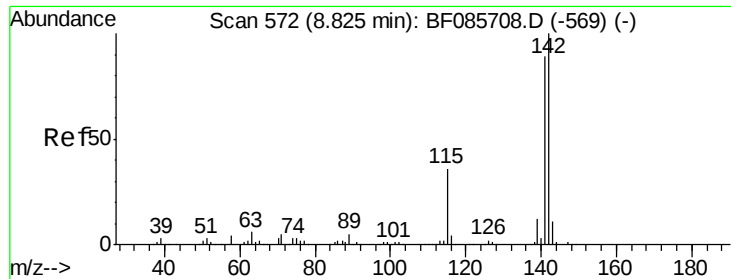
#31
Naphthalene
Concen: 11.57 ng
RT: 8.13 min Scan# 511
Delta R.T. -0.01 min
Lab File: BF085744.D
Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
129	11.4	9.4	14.0
127	13.3	11.0	16.6



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 8.36 ng

RT: 8.82 min Scan# 572

Delta R.T. 0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

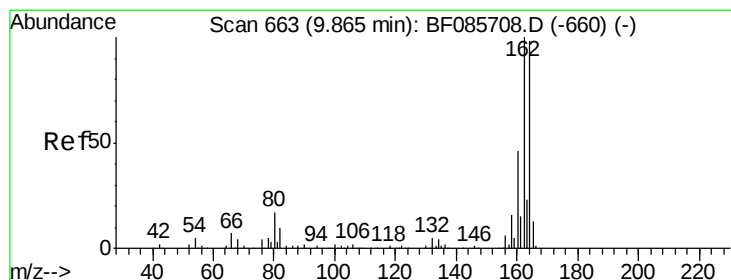
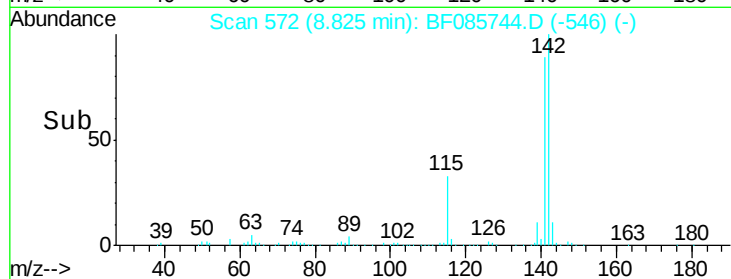
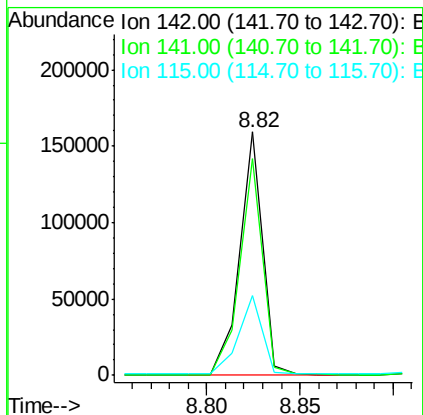
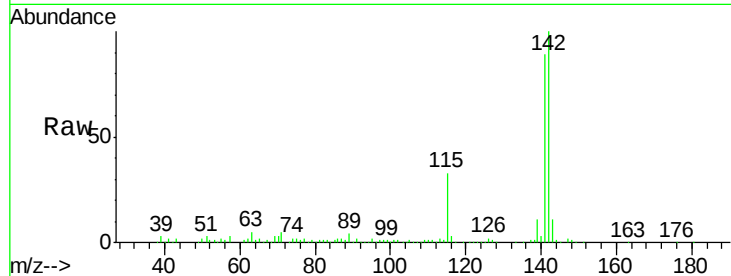
ClientSampleId :

GW-3(3-4)

Tgt Ion:	142	Resp:	137704
Ion Ratio	Lower	Upper	
142	100		
141	89.0	71.6	107.4
115	32.9	26.8	40.2

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#38

Acenaphthene-d10

Concen: 20.00 ng

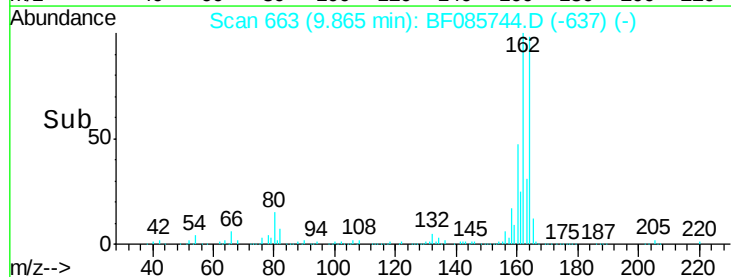
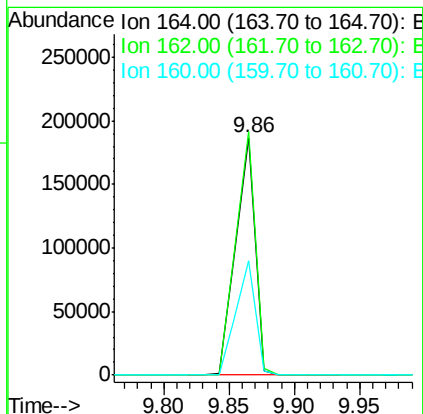
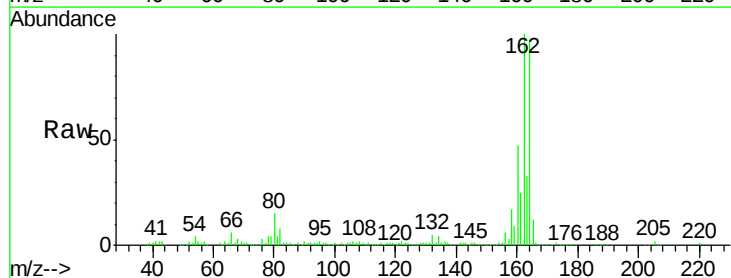
RT: 9.86 min Scan# 663

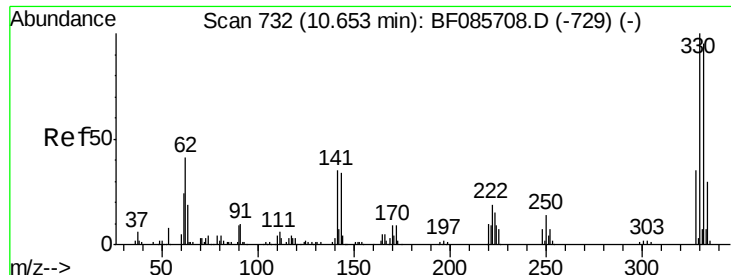
Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Tgt Ion:	164	Resp:	193413
Ion Ratio	Lower	Upper	
164	100		
162	102.6	82.1	123.1
160	48.3	37.4	56.2





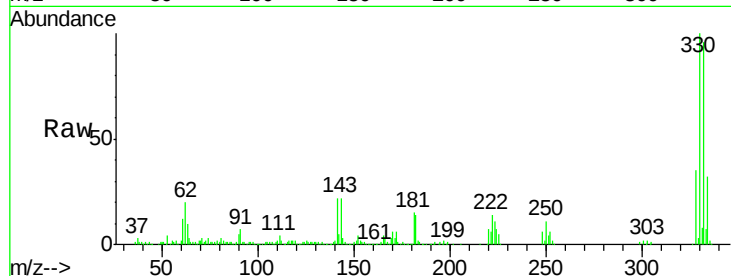
#41
 2,4,6-Tribromophenol
 Concen: 108.40 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

Instrument :
 BNA_F
 ClientSampleId :
 GW-3(3-4)

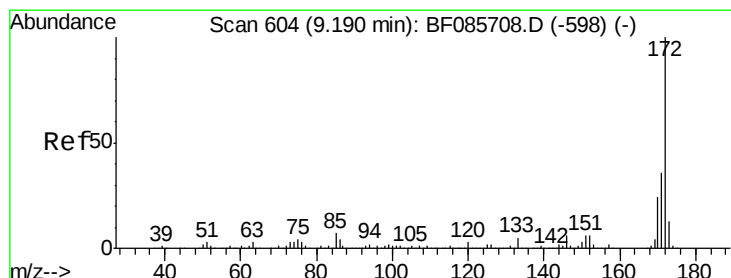
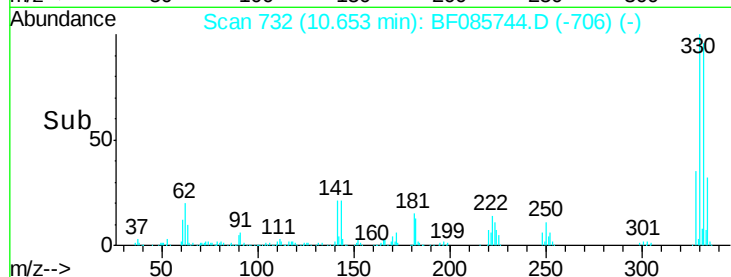
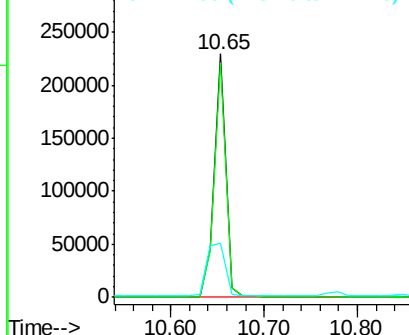
Tgt Ion	Ratio	Resp	Lower	Upper
330	100	199196		
332	96.1	78.2	117.2	
141	35.7	31.5	47.3	

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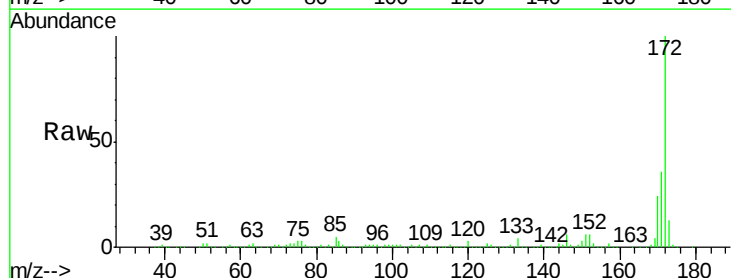


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

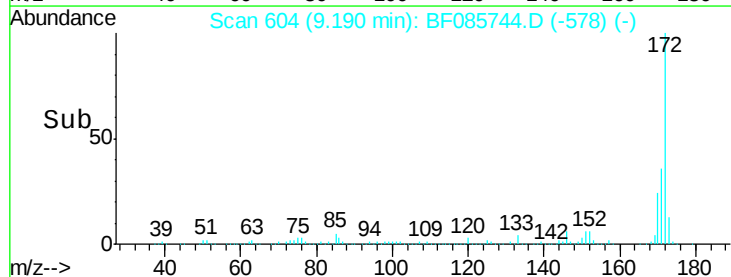
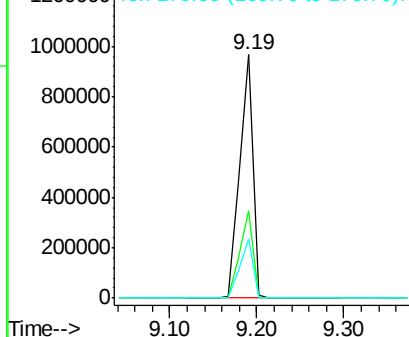


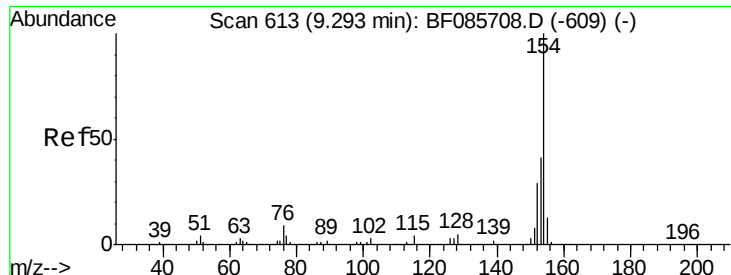
#44
 2-Fluorobiphenyl
 Concen: 86.06 ng
 RT: 9.19 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	996222		
171	36.0	29.4	44.2	
170	24.4	19.8	29.6	



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





#45

1,1'-Biphenyl

Concen: 2.12 ng

RT: 9.28 min Scan# 612

Delta R.T. -0.01 min

Lab File: BF085744.D

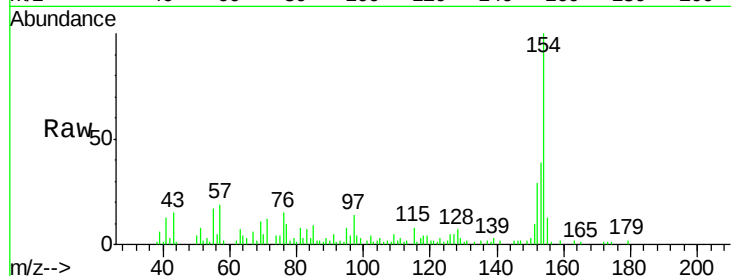
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Instrument :

BNA_F

ClientSampleId :

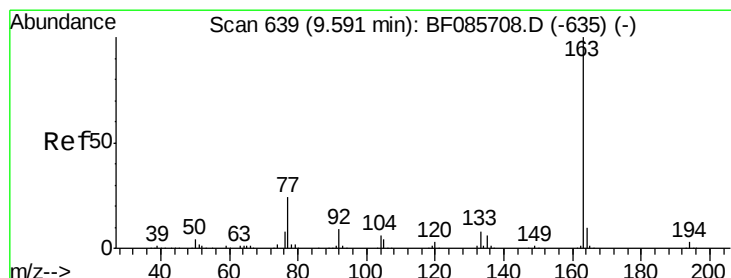
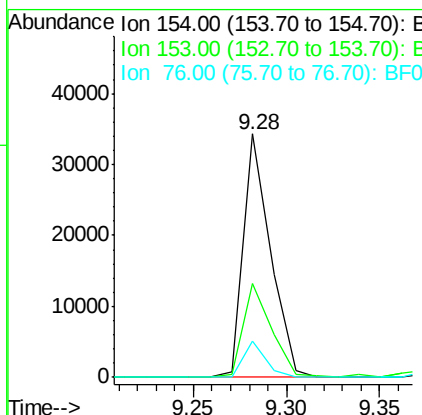
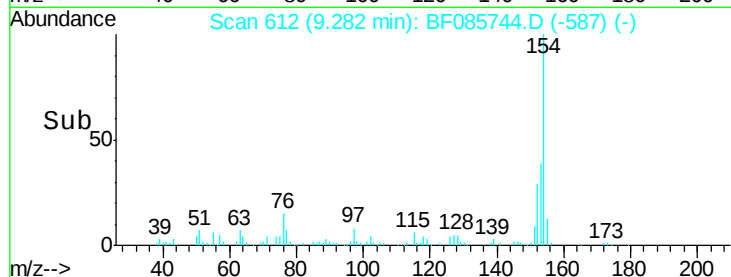
GW-3(3-4)



Tgt Ion:	154	Resp:	34635
Ion Ratio	Lower	Upper	
154	100		
153	38.6	20.8	60.8
76	14.8	0.0	36.7

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#49

Dimethylphthalate

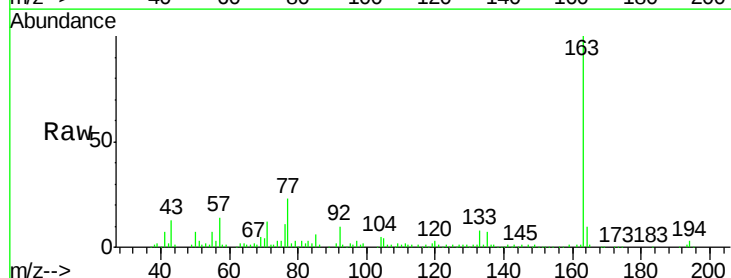
Concen: 6.64 ng

RT: 9.58 min Scan# 638

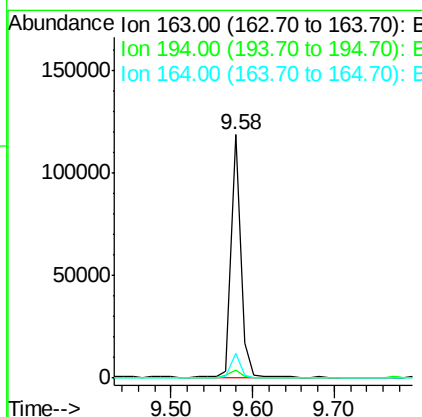
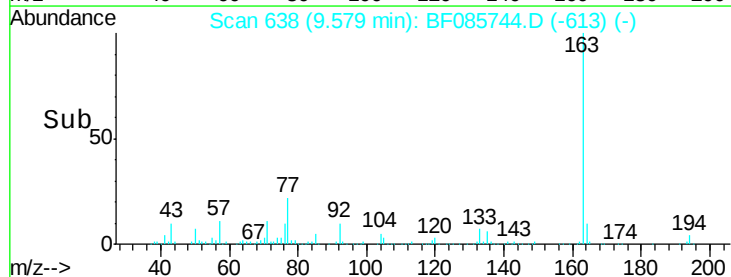
Delta R.T. -0.01 min

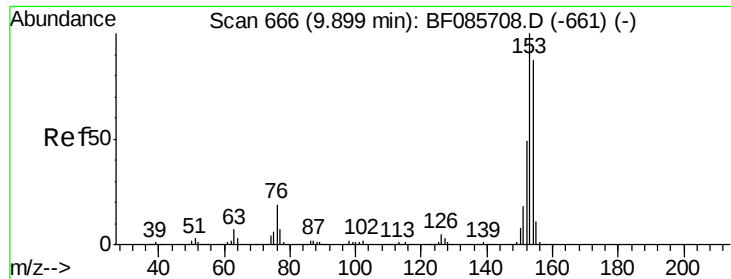
Lab File: BF085744.D

Acq: 25 Mar 2016 6:07



Tgt Ion:	163	Resp:	97454
Ion Ratio	Lower	Upper	
163	100		
194	3.5	2.9	4.3
164	10.1	8.3	12.5





#51

Acenaphthene

Concen: 7.53 ng

RT: 9.89 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

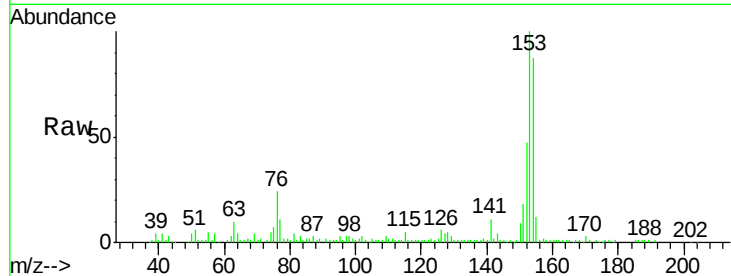
ClientSampleId :

GW-3(3-4)

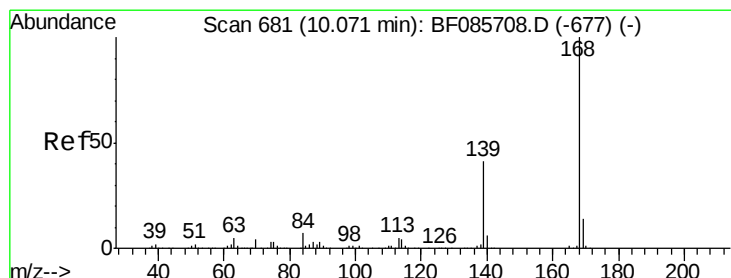
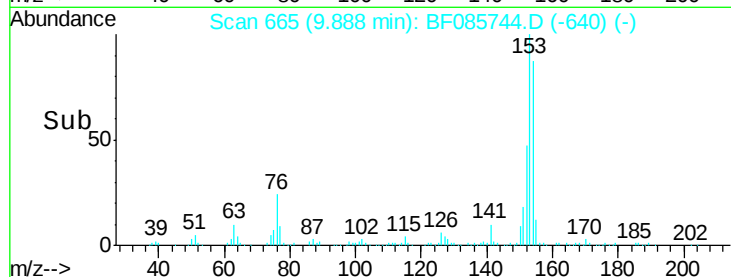
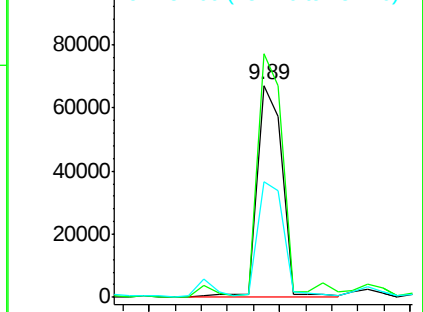
Tgt Ion:	154	Resp:	89943
Ion Ratio	Lower	Upper	
154	100		
153	114.8	90.1	135.1
152	54.4	44.2	66.2

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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: 9.40 ng

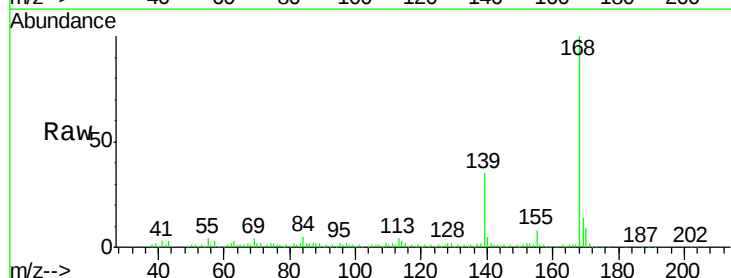
RT: 10.07 min Scan# 681

Delta R.T. -0.00 min

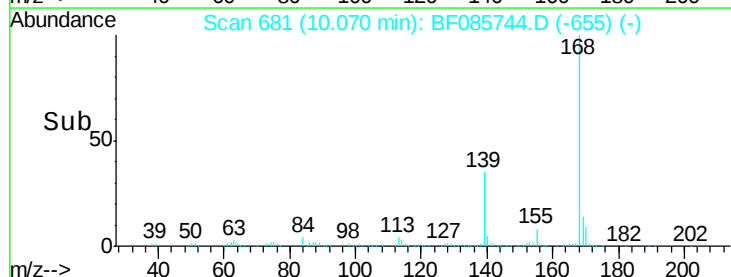
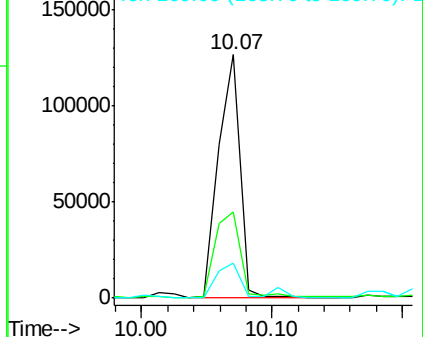
Lab File: BF085744.D

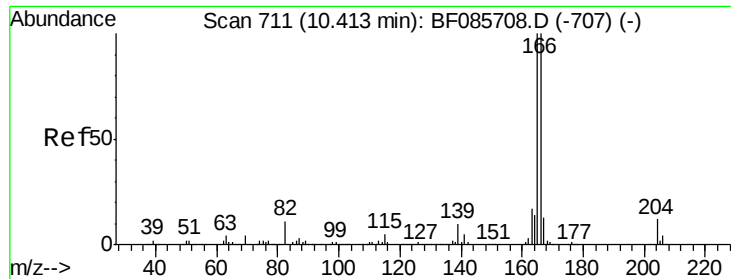
Acq: 25 Mar 2016 6:07

Tgt Ion:	168	Resp:	145383
Ion Ratio	Lower	Upper	
168	100		
139	35.2	31.9	47.9
169	14.3	11.0	16.6



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





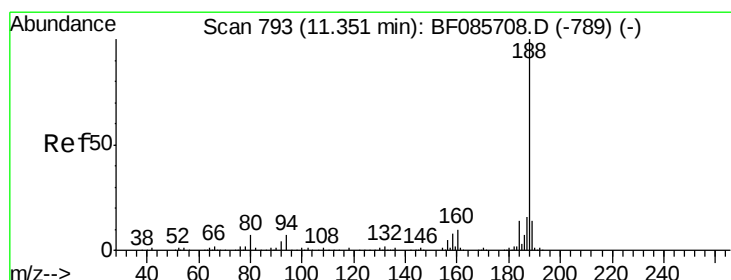
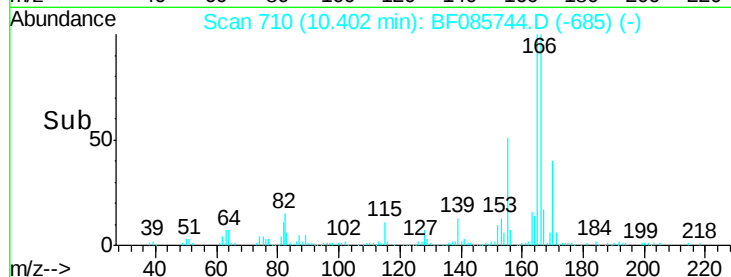
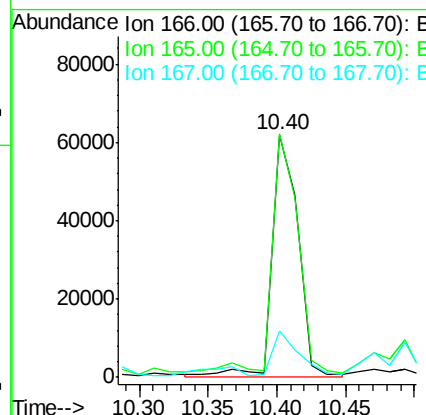
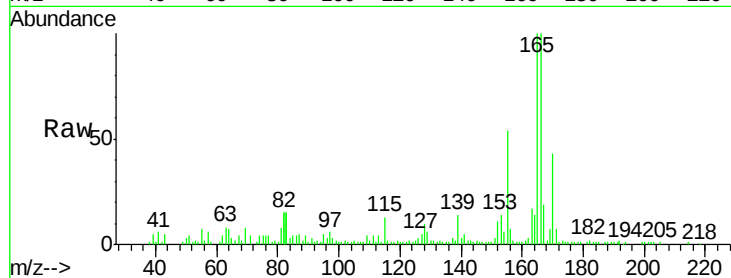
#57
Fluorene
 Concen: 6.38 ng m
 RT: 10.40 min Scan# 710
 Delta R.T. -0.01 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

Instrument :
 BNA_F
 ClientSampleId :
 GW-3(3-4)

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	81964		
165	100.4	79.4	119.0	
167	19.2	11.0	16.4	

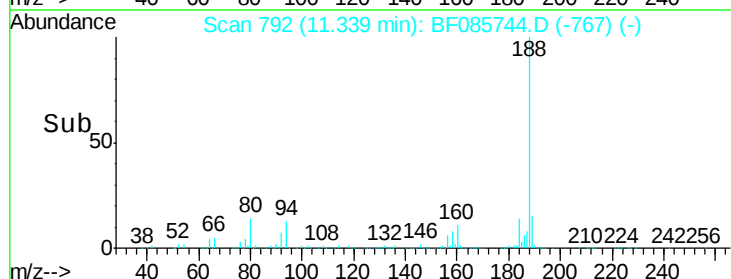
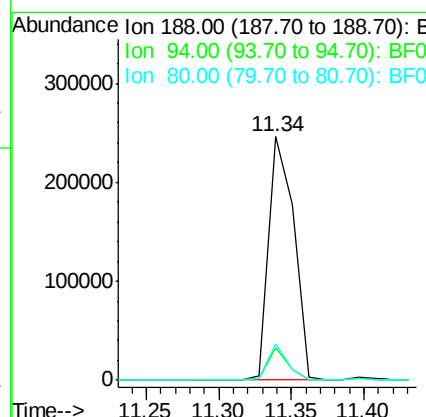
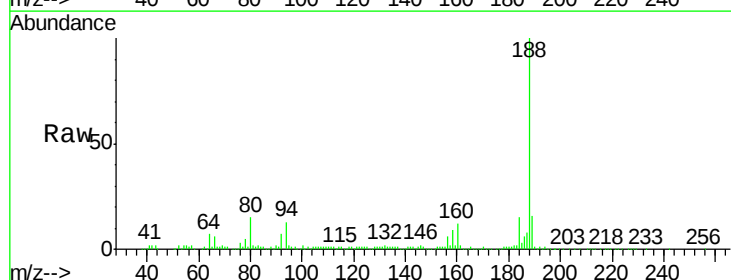
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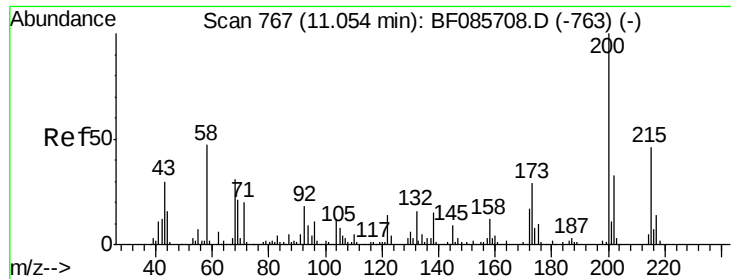
Sohil
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#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.34 min Scan# 792
 Delta R.T. -0.01 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	297328		
94	13.2	5.4	8.0	
80	14.7	5.5	8.3	





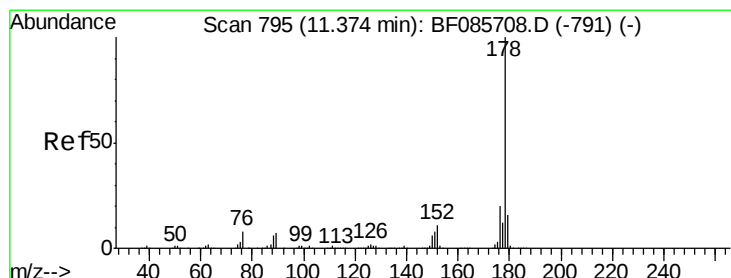
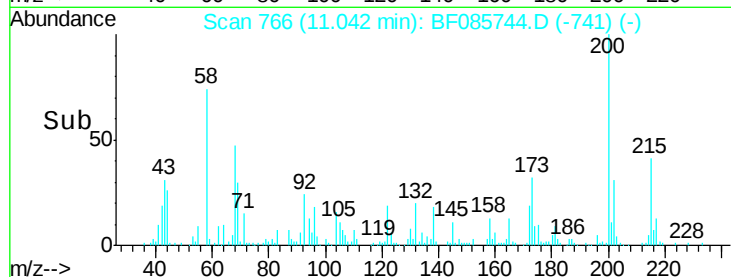
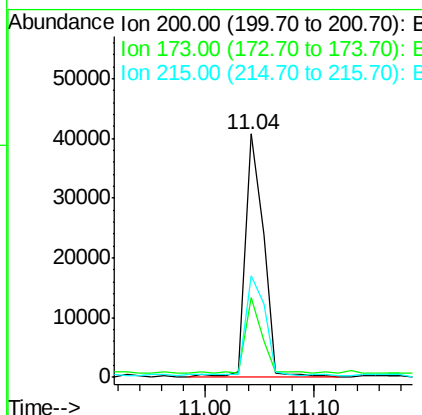
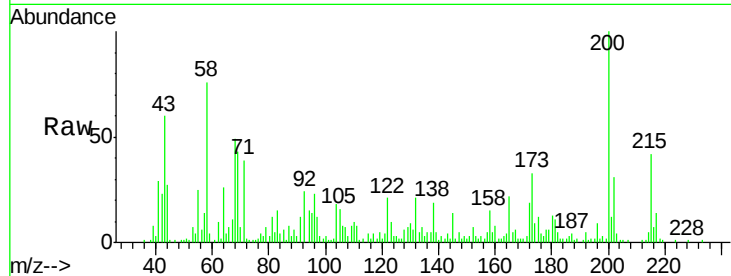
#68
Atrazine
Concen: 14.84 ng
RT: 11.04 min Scan# 766
Delta R.T. -0.01 min
Lab File: BF085744.D
Acq: 25 Mar 2016 6:07

Instrument :
BNA_F
ClientSampled :
GW-3(3-4)

Tgt Ion	Ratio	Resp	Lower	Upper
200	100	47175		
173	32.8	7.7	47.7	
215	41.6	25.4	65.4	

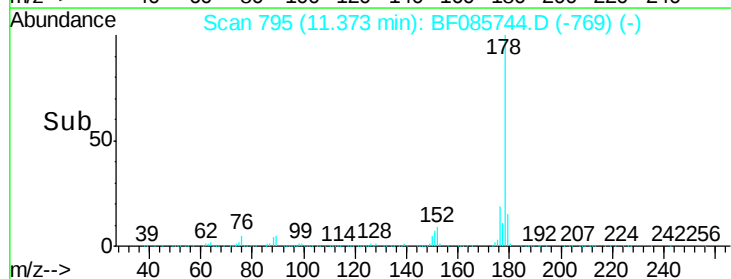
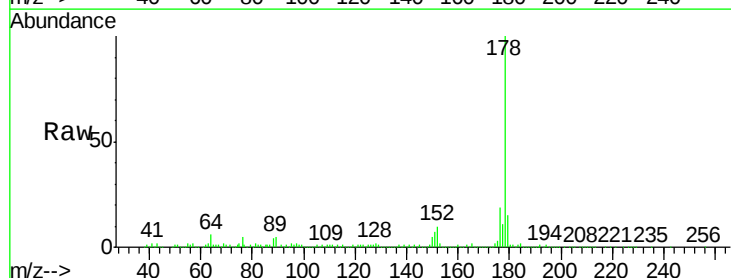
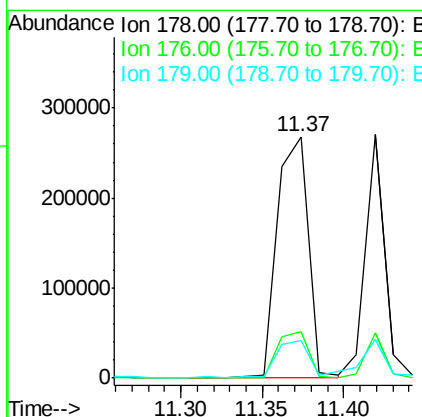
Manual Integrations
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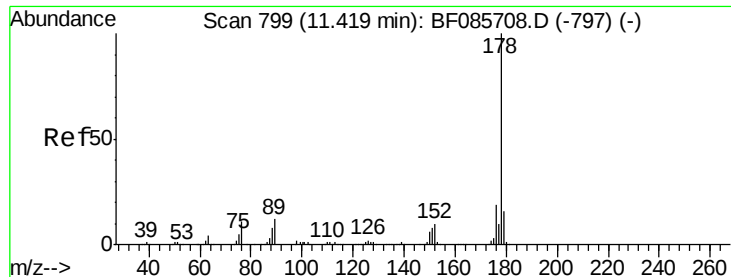
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#70
Phenanthrene
Concen: 23.14 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085744.D
Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	353197		
176	19.3	16.3	24.5	
179	15.4	12.6	18.8	





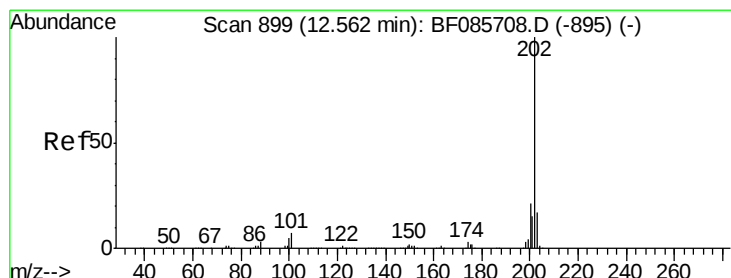
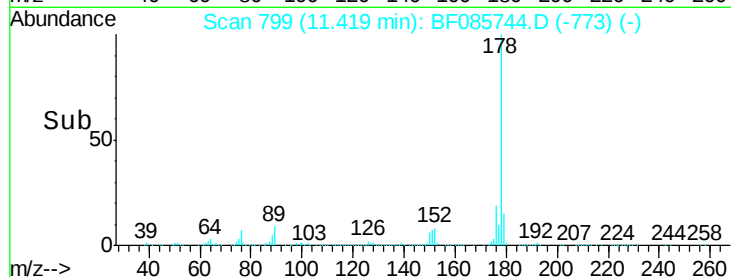
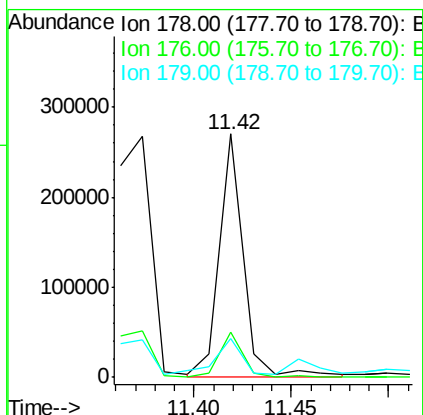
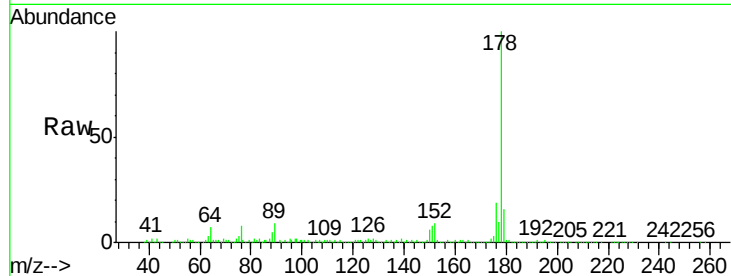
#71
 Anthracene
 Concen: 14.63 ng m
 RT: 11.42 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

Instrument :
 BNA_F
 ClientSampleId :
 GW-3(3-4)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.9	23.9
179	15.7	13.0	19.4

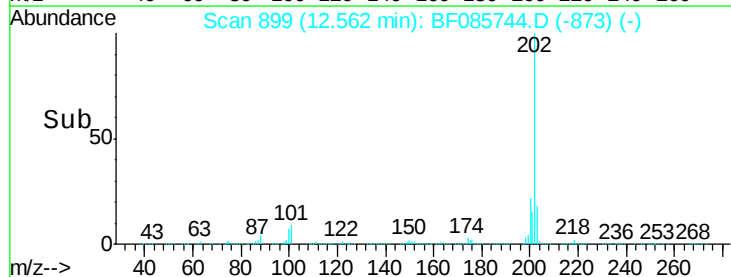
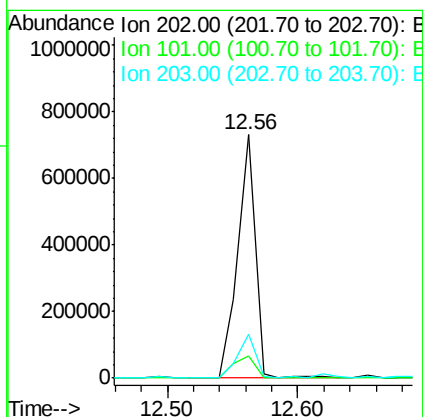
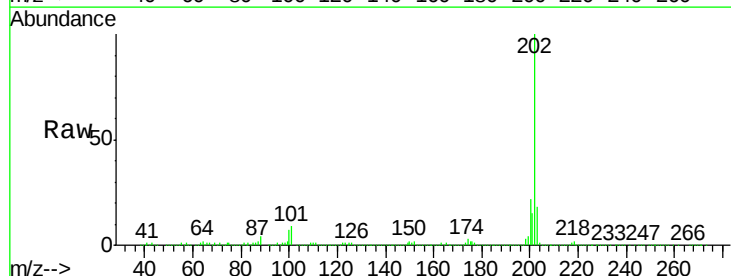
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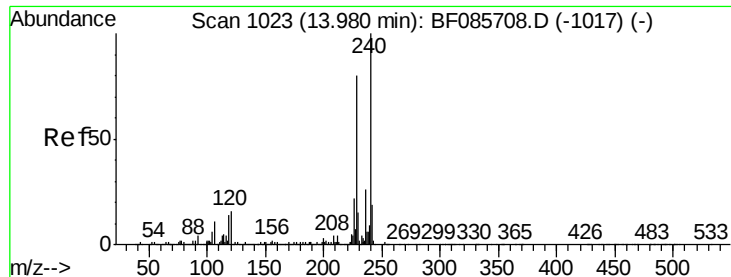
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#74
 Fluoranthene
 Concen: 41.50 ng
 RT: 12.56 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF085744.D
 Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	36.6
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

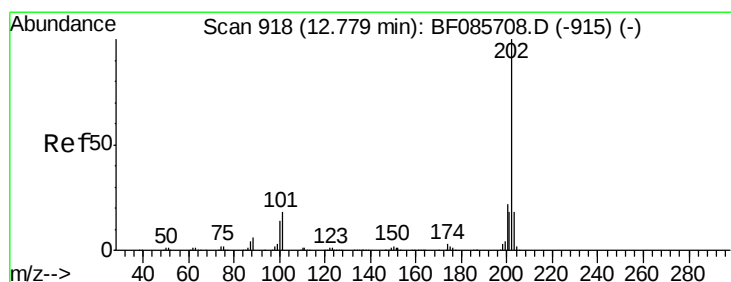
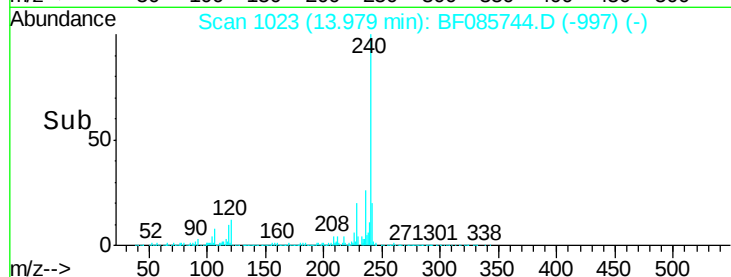
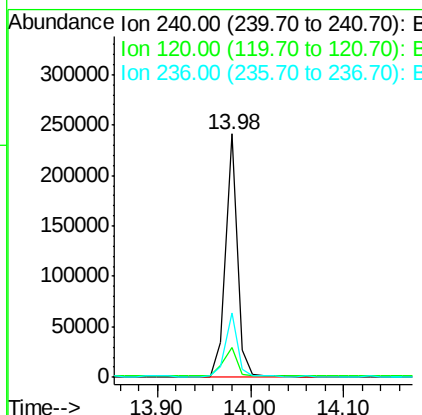
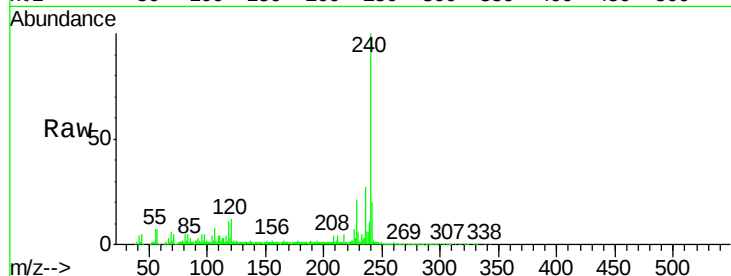
ClientSampleId :

GW-3(3-4)

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.2	13.8	20.8#
236	26.5	20.6	30.8

Manual Integrations
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#77

Pyrene

Concen: 28.06 ng

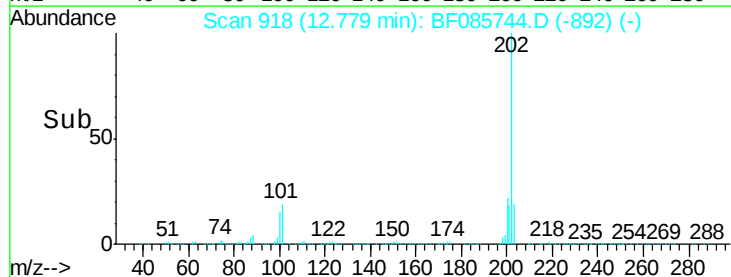
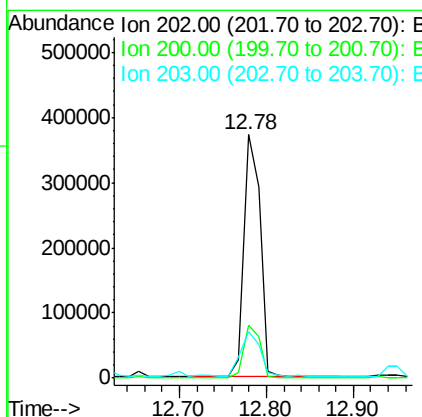
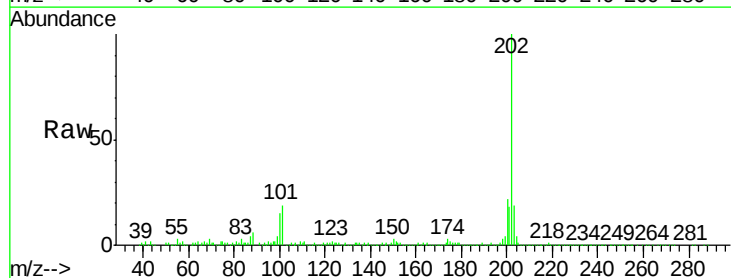
RT: 12.78 min Scan# 918

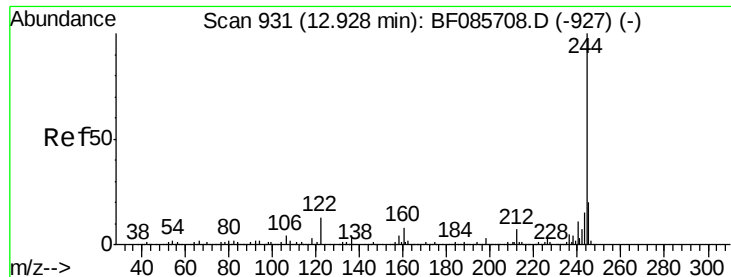
Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.6	26.4
203	19.3	14.0	21.0





#78

Terphenyl-d14

Concen: 57.87 ng

RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

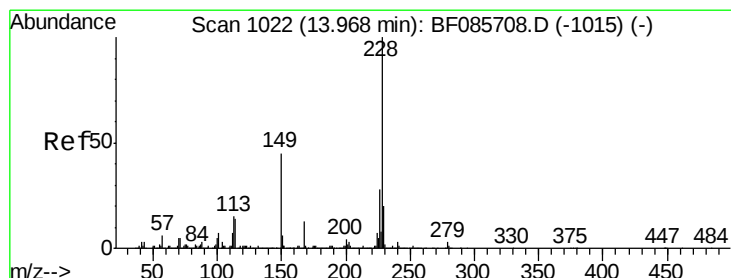
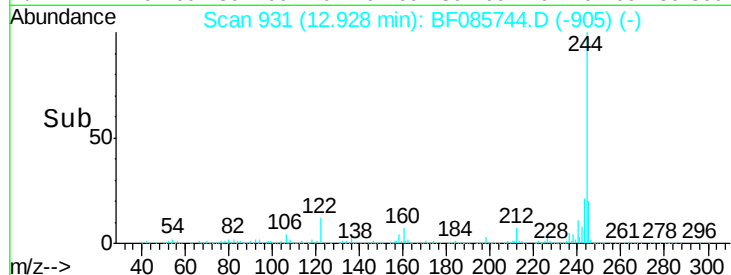
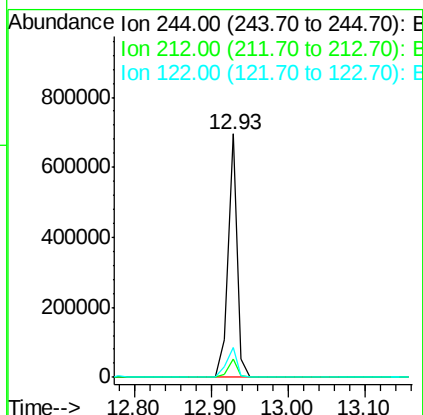
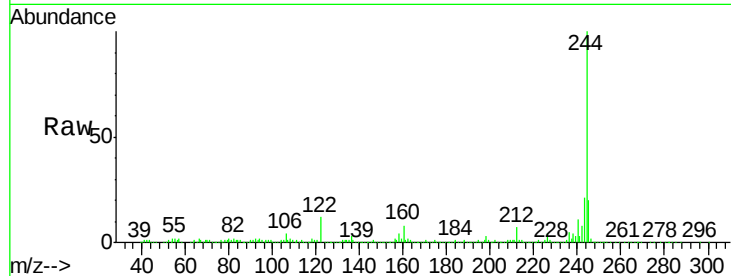
ClientSampleId :

GW-3(3-4)

Tgt Ion:	244	Resp:	593824
Ion Ratio		Lower	Upper
244	100		
212	7.3	6.1	9.1
122	12.0	10.2	15.4

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 16.55 ng m

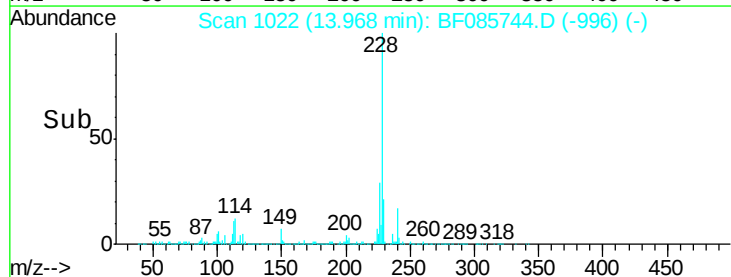
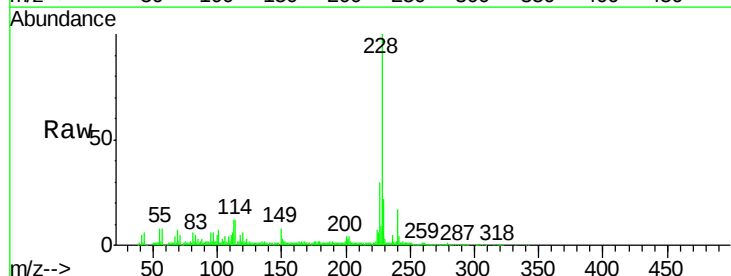
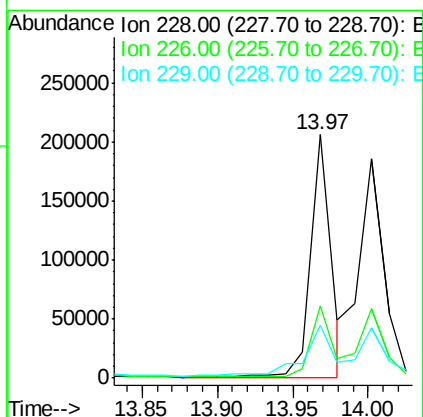
RT: 13.97 min Scan# 1022

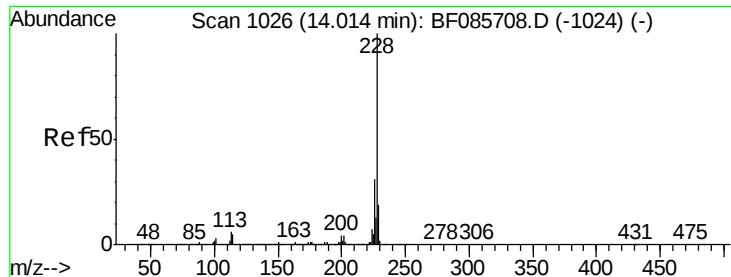
Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Tgt Ion:	228	Resp:	199184
Ion Ratio		Lower	Upper
228	100		
226	29.6	22.1	33.1
229	21.5	16.2	24.4





#82

Chrysene

Concen: 17.99 ng m

RT: 14.00 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

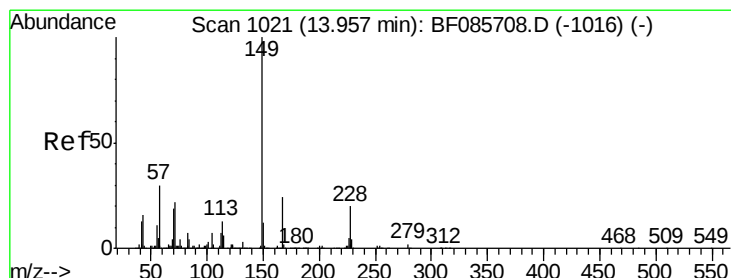
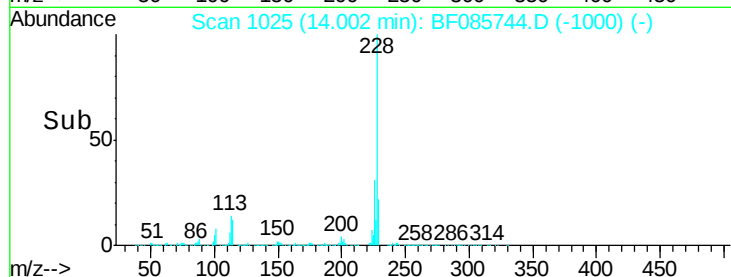
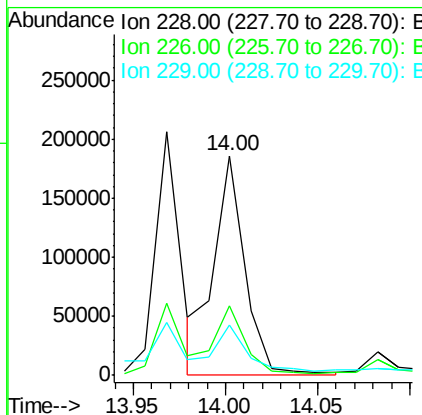
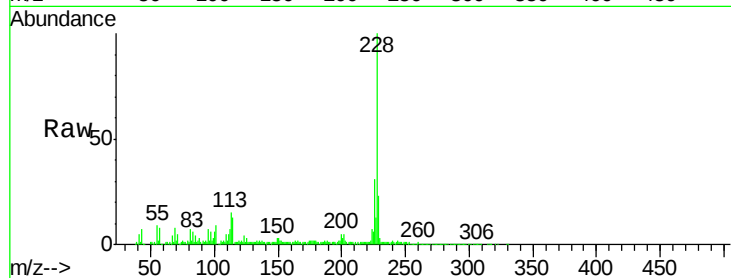
ClientSampled :

GW-3(3-4)

Tgt Ion:	228	Resp:	218008
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	23.0	15.7	23.5

Manual Integrations
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#83

Bis(2-ethylhexyl)phthalate

Concen: 3.37 ng

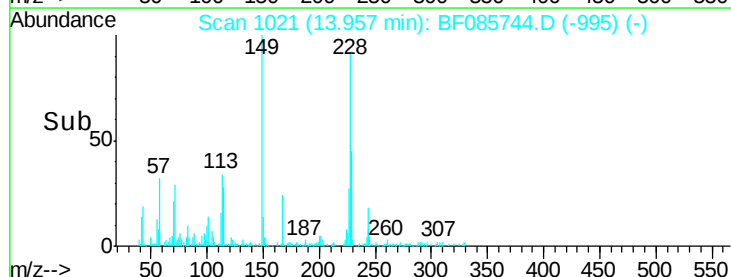
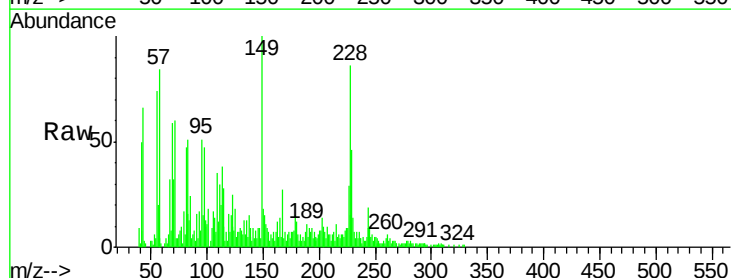
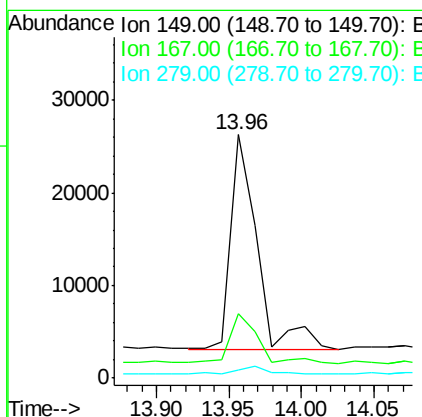
RT: 13.96 min Scan# 1021

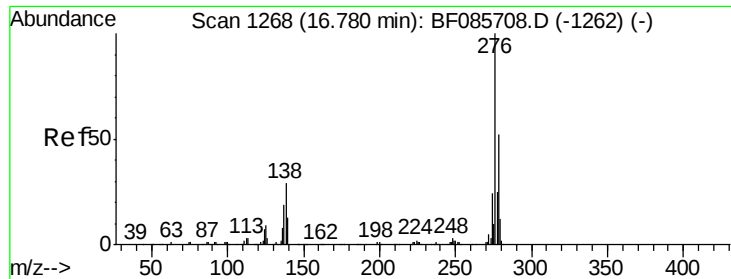
Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Tgt Ion:	149	Resp:	29302
Ion Ratio	Lower	Upper	
149	100		
167	26.6	19.4	29.2
279	3.2	1.5	2.3#





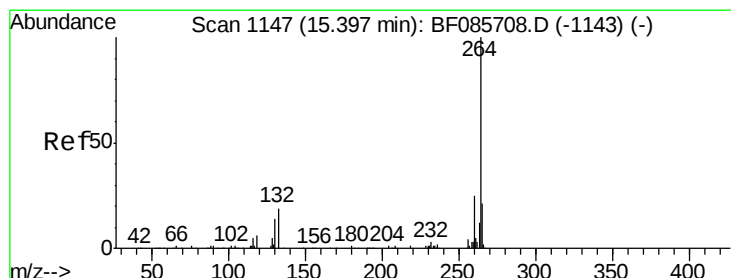
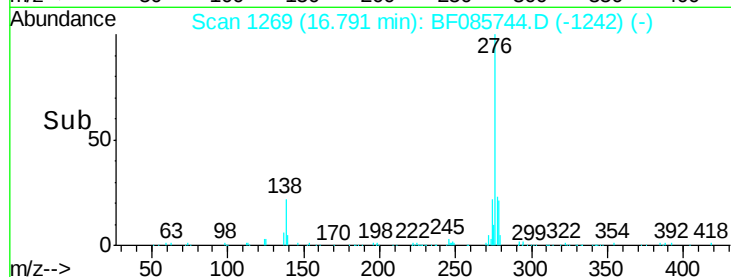
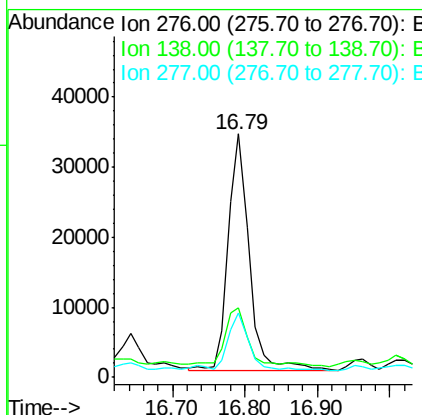
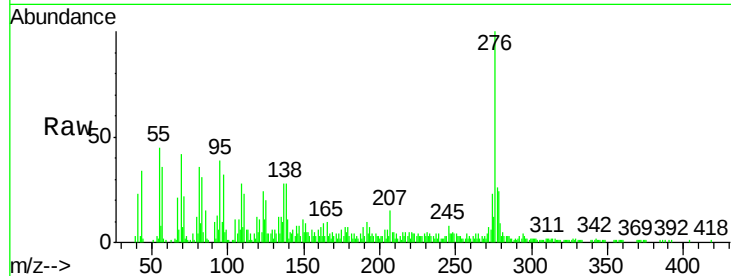
#85
Indeno(1,2,3-cd)pyrene
Concen: 7.35 ng
RT: 16.79 min Scan# 1269
Delta R.T. 0.01 min
Lab File: BF085744.D
Acq: 25 Mar 2016 6:07

Instrument :
BNA_F
ClientSampleId :
GW-3(3-4)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.2	24.2	36.4#
277	23.0	20.0	30.0

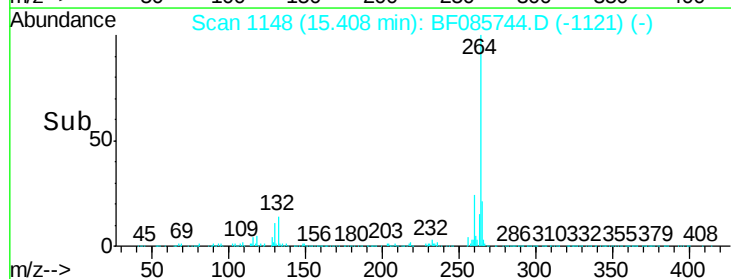
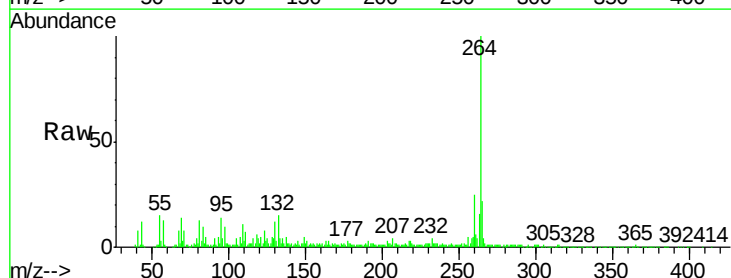
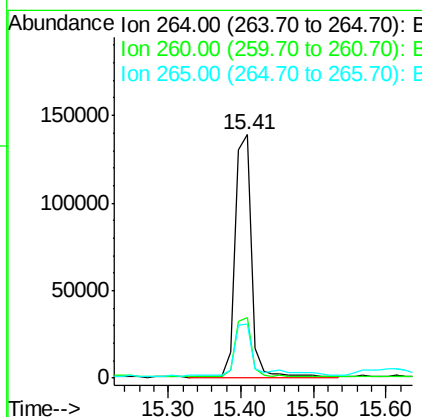
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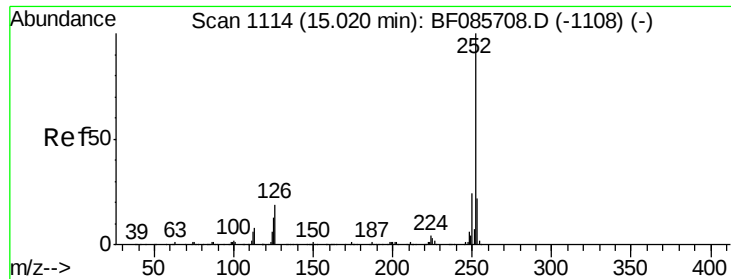
Sohil
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF085744.D
Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.4	29.2
265	22.3	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 15.93 ng m

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085744.D

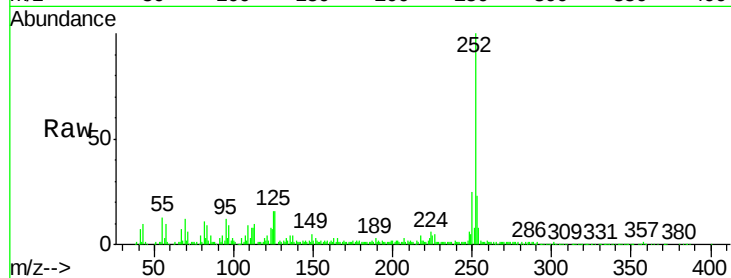
Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

ClientSampleId :

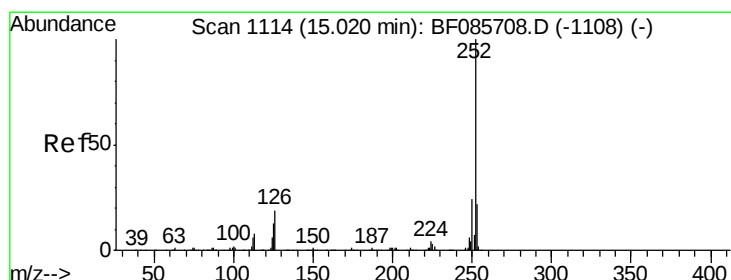
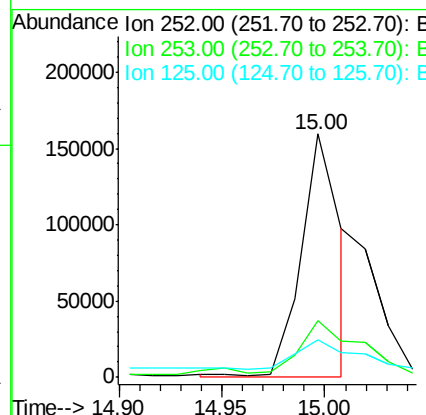
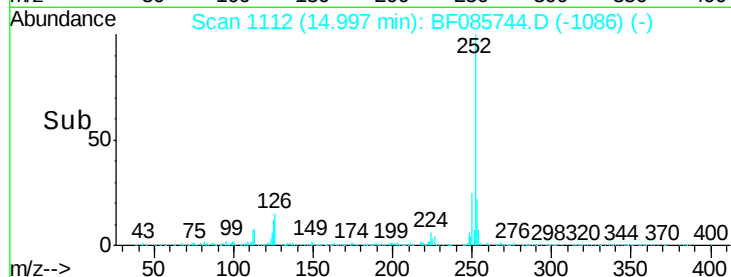
GW-3(3-4)



Tgt Ion:	252	Resp:	215039
Ion Ratio	Lower	Upper	
252	100		
253	23.2	17.6	26.4
125	15.6	10.3	15.5#

Manual Integrations
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3/25/2016 5:56:56 PM



#88

Benzo(k)fluoranthene

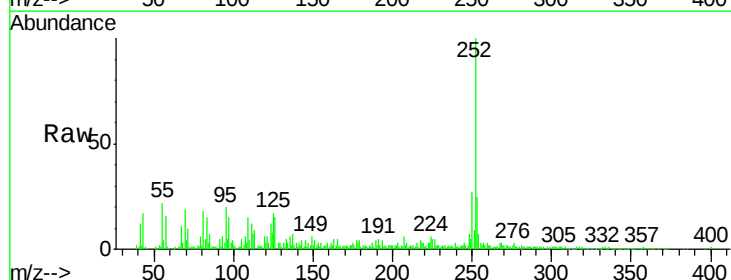
Concen: 7.31 ng m

RT: 15.01 min Scan# 1113

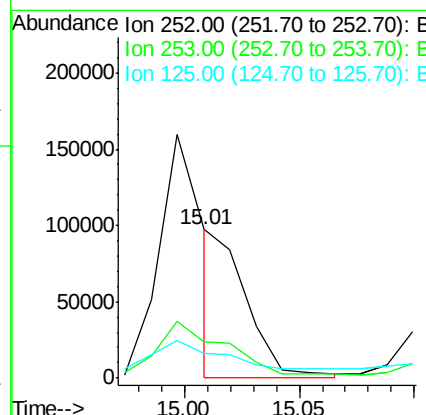
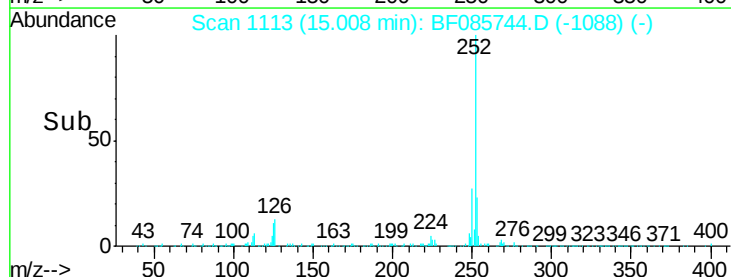
Delta R.T. -0.01 min

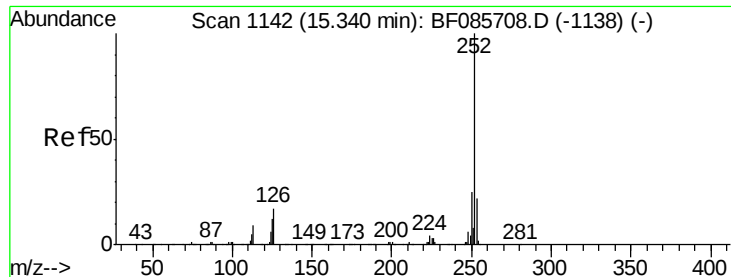
Lab File: BF085744.D

Acq: 25 Mar 2016 6:07



Tgt Ion:	252	Resp:	88985
Ion Ratio	Lower	Upper	
252	100		
253	24.6	17.8	26.6
125	16.7	7.7	11.5#





#89

Benzo(a)pyrene

Concen: 10.19 ng

RT: 15.34 min Scan# 1142

Delta R.T. -0.00 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Instrument :

BNA_F

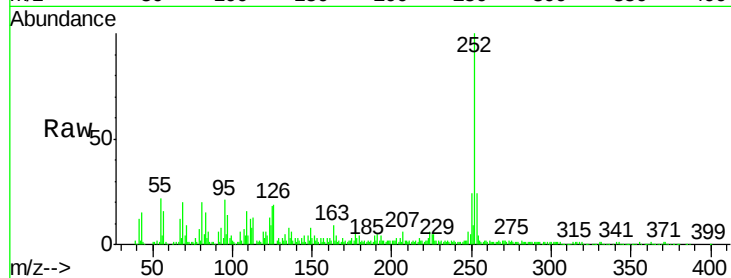
ClientSampleId :

GW-3(3-4)

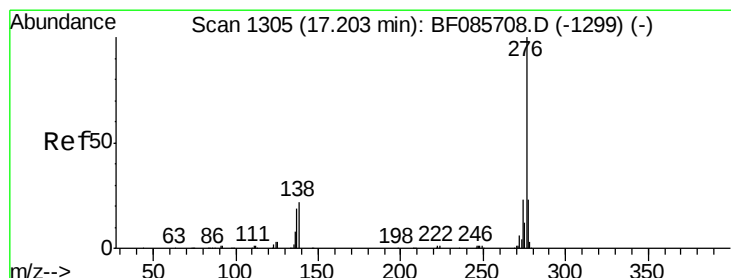
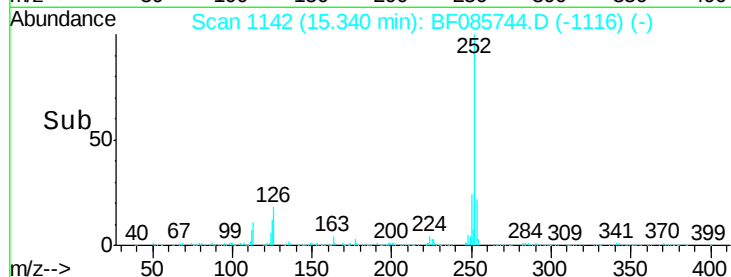
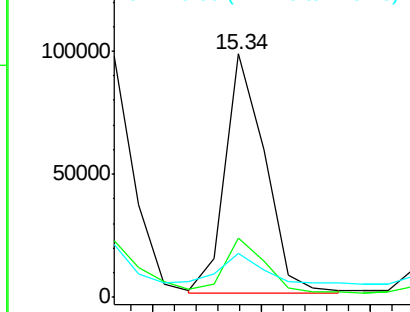
Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	24.2	17.4	26.0
125	18.3	10.3	15.5#

Manual Integrations
APPROVED

Sohil
3/25/2016 5:56:56 PM



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



#91

Benzo(g,h,i)perylene

Concen: 5.11 ng

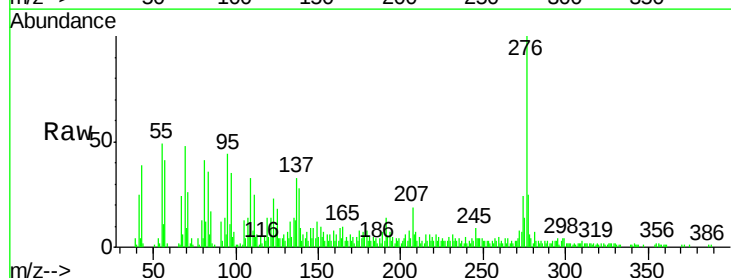
RT: 17.21 min Scan# 1306

Delta R.T. 0.01 min

Lab File: BF085744.D

Acq: 25 Mar 2016 6:07

Tgt Ion	Ratio	Resp Lower	Upper
276	100		
277	25.2	18.8	28.2
138	28.5	22.6	34.0



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

