

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
 Data File : BF085822.D
 Acq On : 29 Mar 2016 1:01
 Operator : UM/SJ
 Sample : H1937-03
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(2-3)

Manual Integrations
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 3/29/2016 8:24:03 PM

Quant Time: Mar 29 16:17:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF032416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 28 15:27:05 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	110766	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	438024	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	187643	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	321235	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	189775	20.00	ng	0.00
86) Perylene-d12	15.40	264	200122	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	779004	117.13	ng	0.01
7) Phenol-d6	6.46	99	1039654	122.95	ng	0.00
23) Nitrobenzene-d5	7.38	82	687940	88.44	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	222839	124.99	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	944617	84.11	ng	-0.01
78) Terphenyl-d14	12.93	244	722167	78.26	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.12	128	116274	5.27	ng	99
37) 2-Methylnaphthalene	8.81	142	60423	2.86	ng	98
49) Dimethylphthalate	9.58	163	191975	13.49	ng	98
51) Acenaphthene	9.89	154	204121	17.61	ng	99
54) Dibenzofuran	10.06	168	170569	11.37	ng	97
57) Fluorene	10.40	166	226914	18.20	ng	99
70) Phenanthrene	11.37	178	1432849	86.87	ng	100
71) Anthracene	11.42	178	540445	31.21	ng	99
72) Carbazole	11.57	167	158173	10.88	ng	99
74) Fluoranthene	12.56	202	950460	54.21	ng	98
77) Pyrene	12.79	202	841334	53.93	ng	99
80) Benzo(a)anthracene	13.97	228	335403m	31.00	ng	
82) Chrysene	14.00	228	286822m	26.31	ng	
85) Indeno(1,2,3-cd)pyrene	16.77	276	134602	15.99	ng	95
87) Benzo(b)fluoranthene	15.00	252	317557m	25.19	ng	
88) Benzo(k)fluoranthene	15.01	252	87707m	7.72	ng	
89) Benzo(a)pyrene	15.34	252	241474m	21.57	ng	
90) Dibenzo(a,h)anthracene	16.78	278	31790	3.06	ng	# 86
91) Benzo(g,h,i)perylene	17.19	276	118651	11.27	ng	96

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

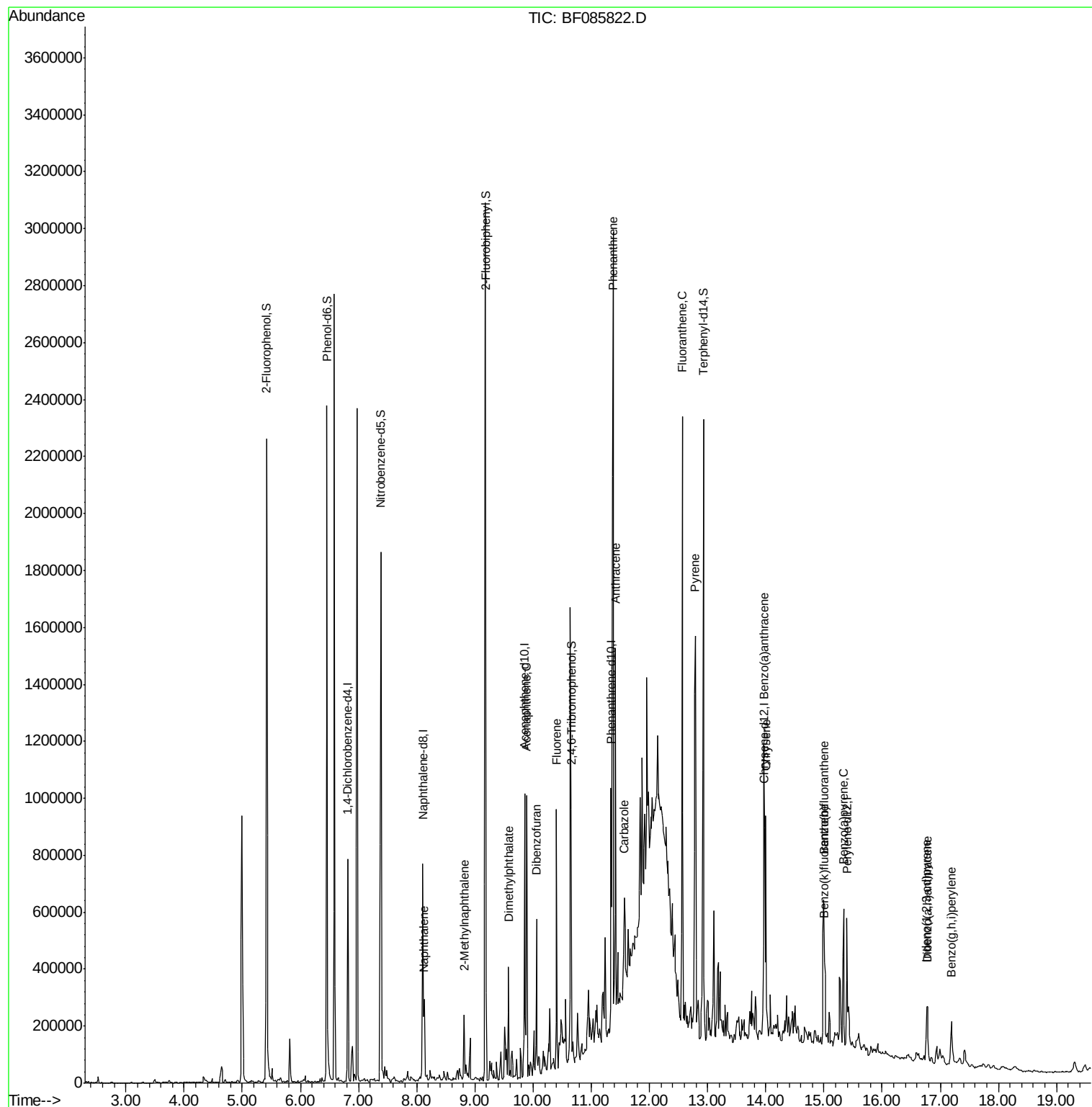
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF032816\
Data File : BF085822.D
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ALS Vial : 27 Sample Multiplier: 1

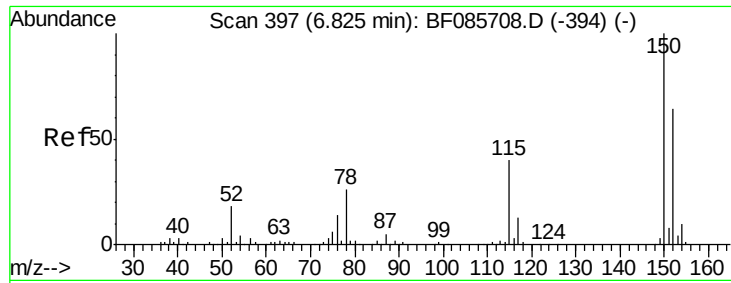
Instrument :
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GW-04(2-3)

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#1

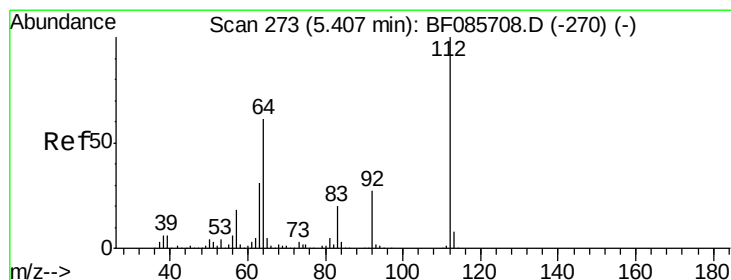
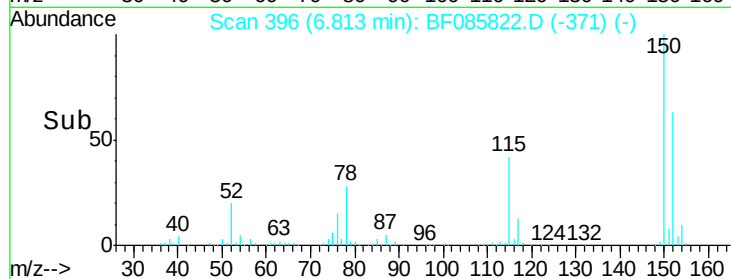
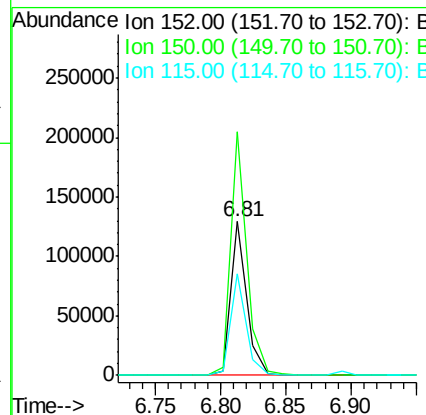
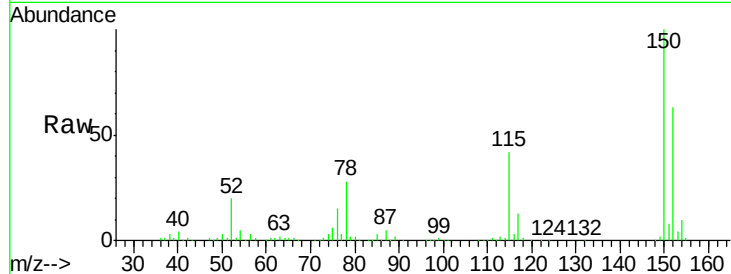
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 396
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	110766		
150	158.2	124.2	186.2	
115	65.8	47.0	70.6	

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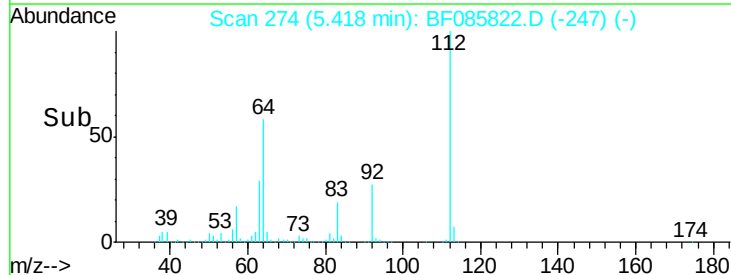
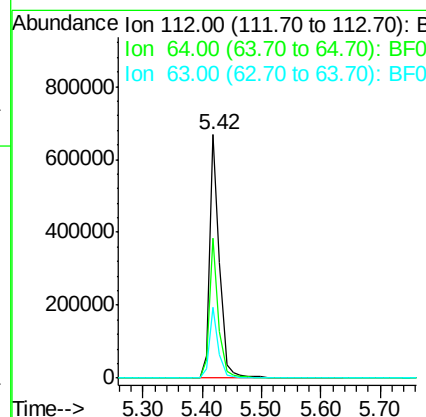
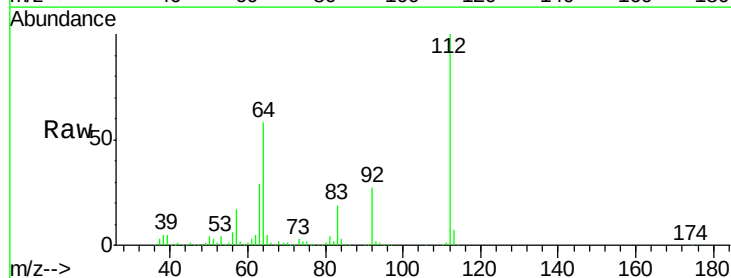
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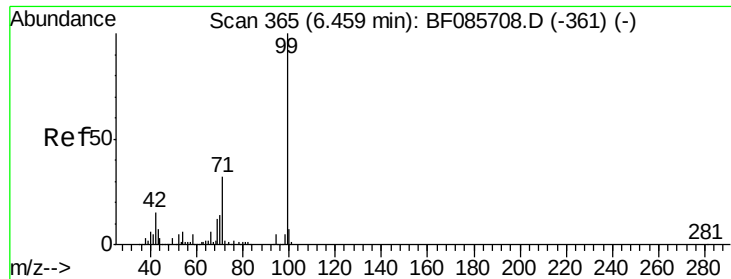


#5

2-Fluorophenol
Concen: 117.13 ng
RT: 5.42 min Scan# 274
Delta R.T. 0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	779004		
64	57.6	39.9	59.9	
63	29.1	20.2	30.2	





#7

Phenol-d6

Concen: 122.95 ng

RT: 6.46 min Scan# 365

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

ClientSampleId :

GW-04(2-3)

Tgt Ion: 99 Resp: 1039654

Ion Ratio Lower Upper

99 100

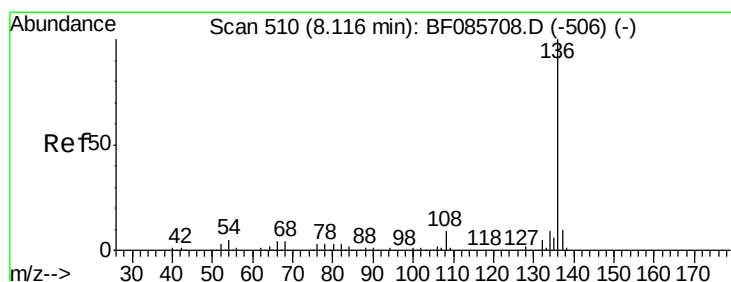
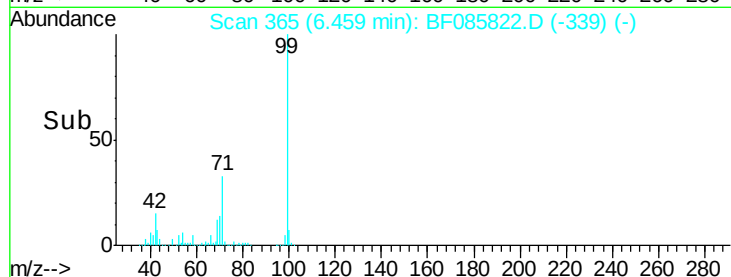
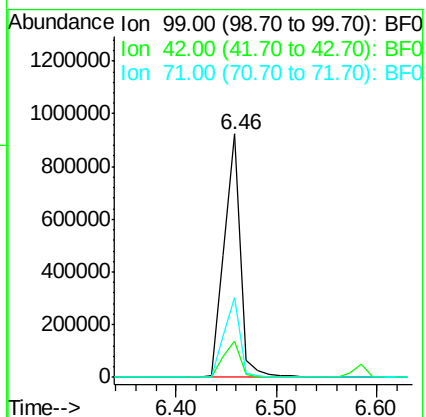
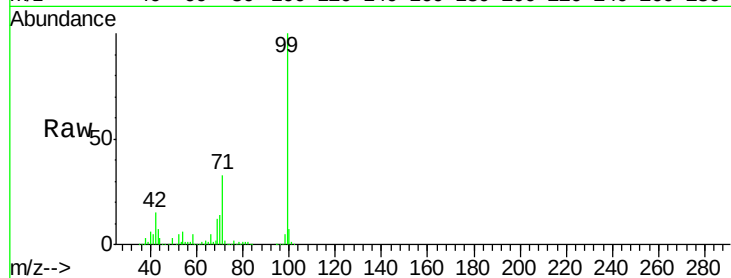
42 14.7 11.1 16.7

71 32.8 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: BF085822.D

Acq: 29 Mar 2016 1:01

Tgt Ion: 136 Resp: 438024

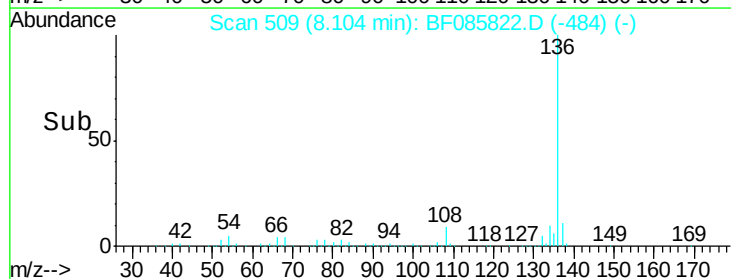
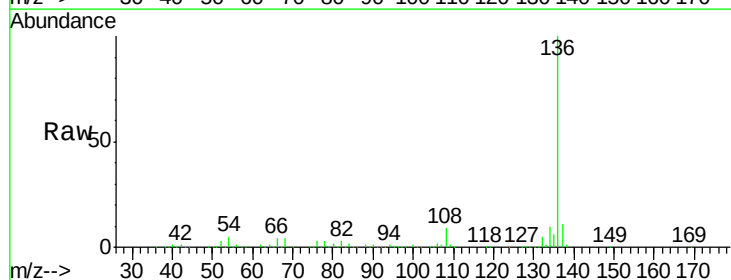
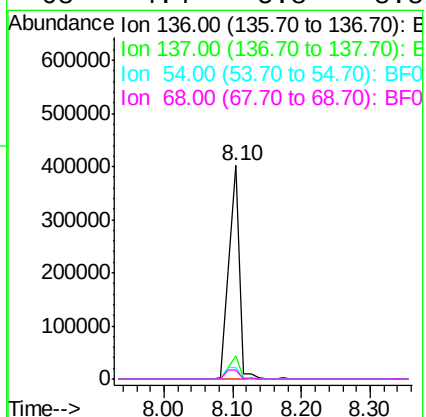
Ion Ratio Lower Upper

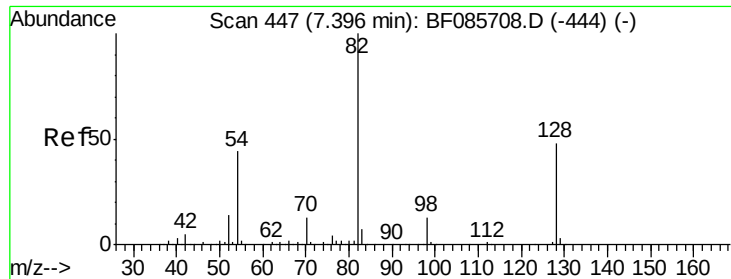
136 100

137 10.6 9.1 13.7

54 5.2 7.4 11.0#

68 4.4 5.8 8.8#





#23

Nitrobenzene-d5

Concen: 88.44 ng

RT: 7.38 min Scan# 446

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

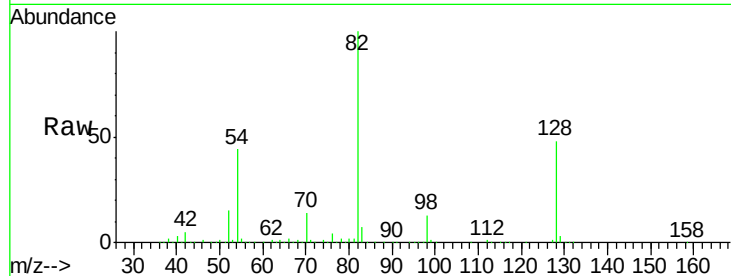
ClientSampled :

GW-04(2-3)

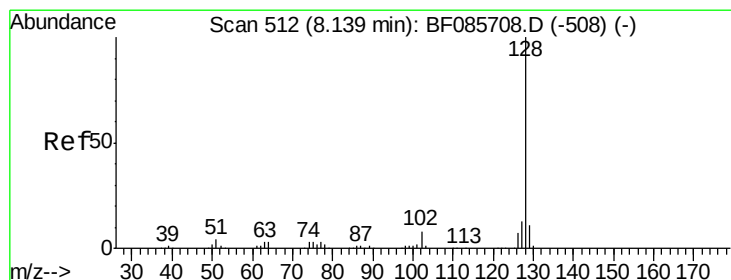
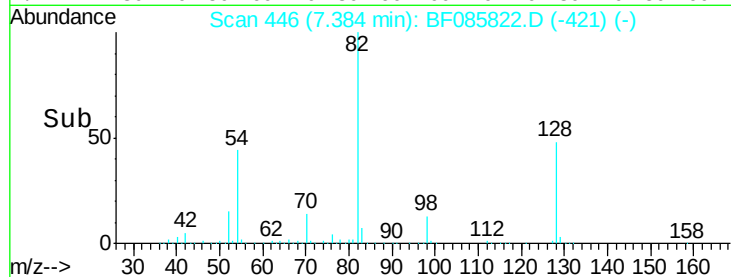
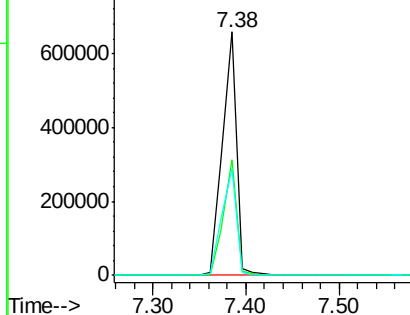
Tgt Ion:	82	Resp:	687940
Ion Ratio	Lower	Upper	
82	100		
128	47.6	41.8	62.8
54	44.0	33.4	50.0

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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: 5.27 ng

RT: 8.12 min Scan# 510

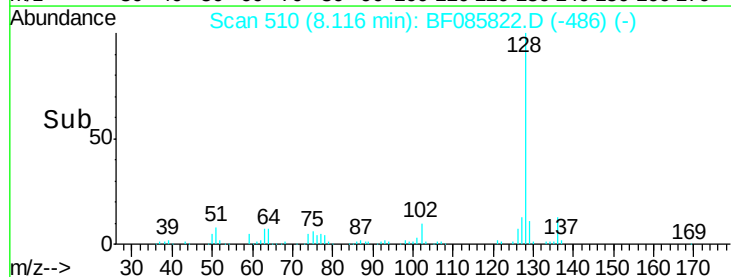
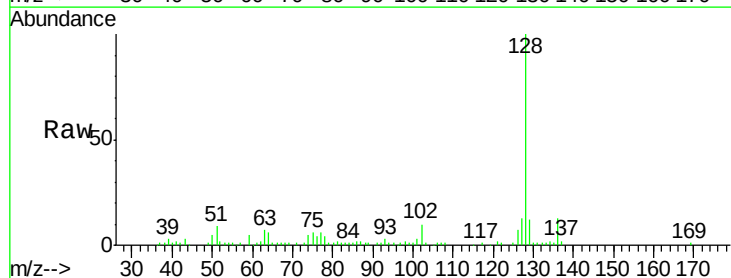
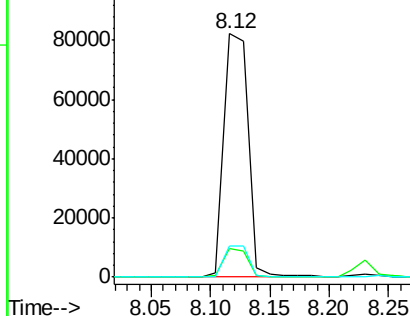
Delta R.T. -0.02 min

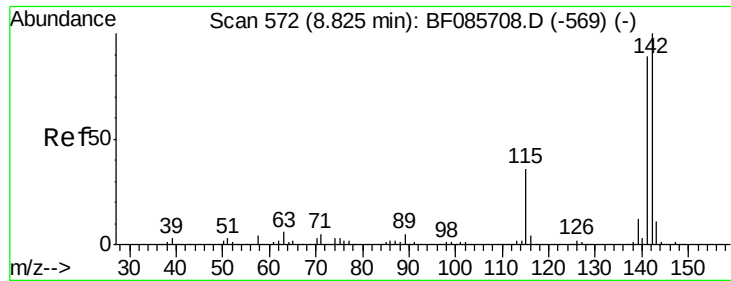
Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Tgt Ion:	128	Resp:	116274
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.4	14.0
127	12.8	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





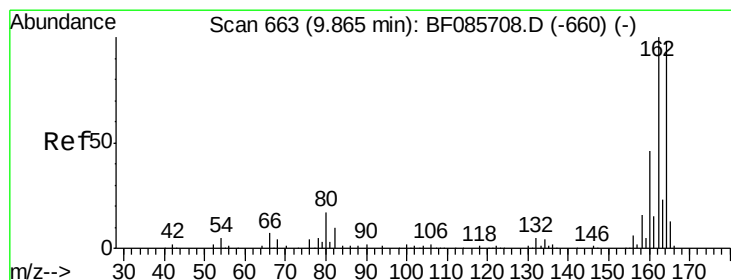
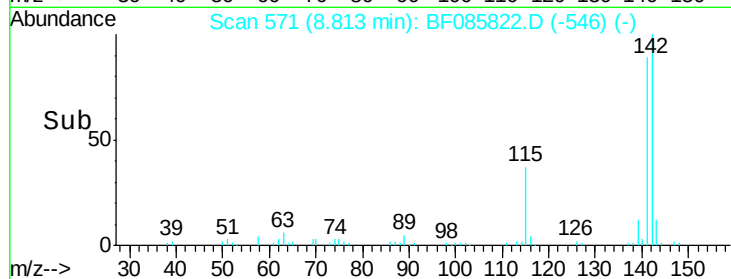
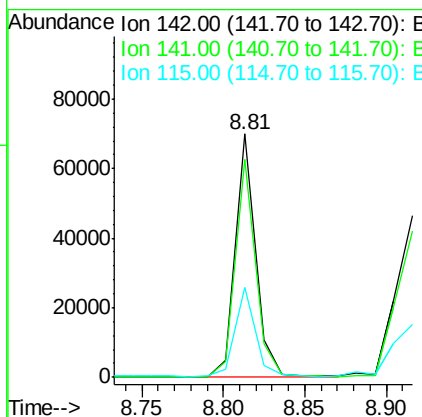
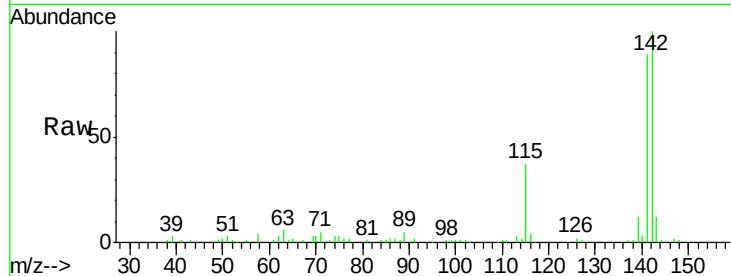
#37
2-Methylnaphthalene
Concen: 2.86 ng
RT: 8.81 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	60423		
141	89.3	71.6	107.4	
115	37.0	26.8	40.2	

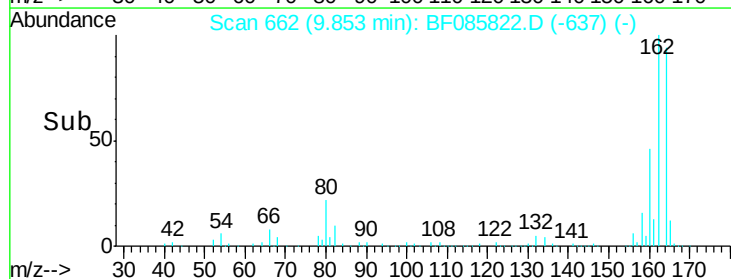
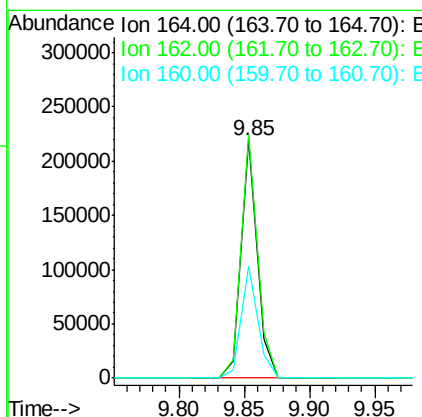
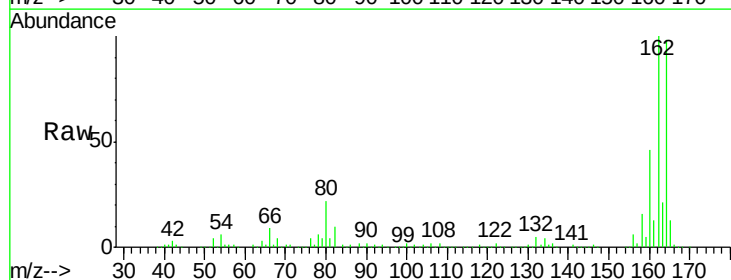
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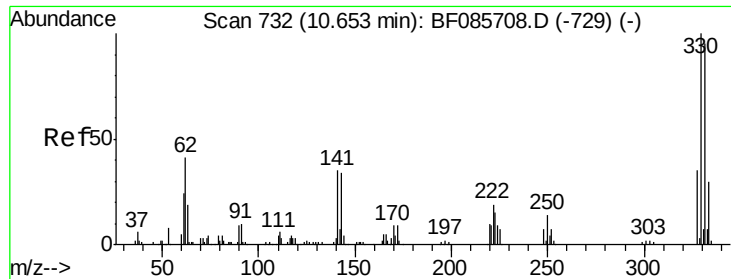
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 662
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	187643		
162	102.3	82.1	123.1	
160	46.8	37.4	56.2	





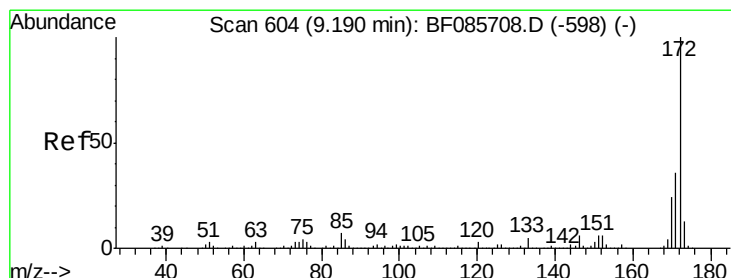
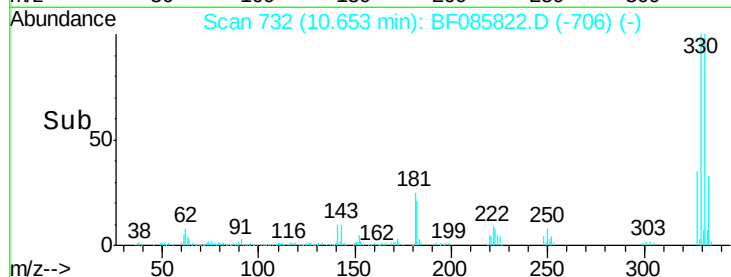
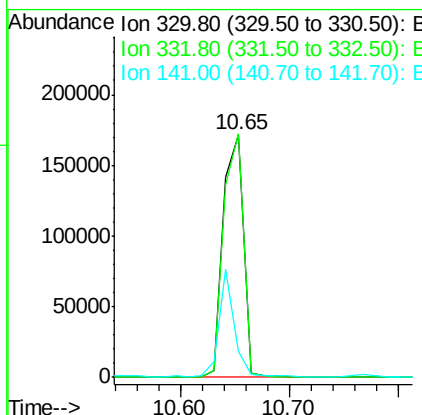
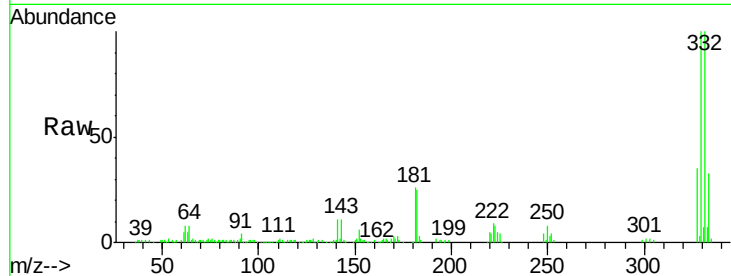
#41
 2,4,6-Tribromophenol
 Concen: 124.99 ng
 RT: 10.65 min Scan# 732
 Delta R.T. -0.00 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

Instrument :
 BNA_F
 ClientSampleId :
 GW-04(2-3)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	222839		
332	98.2	78.2	117.2	
141	33.5	31.5	47.3	

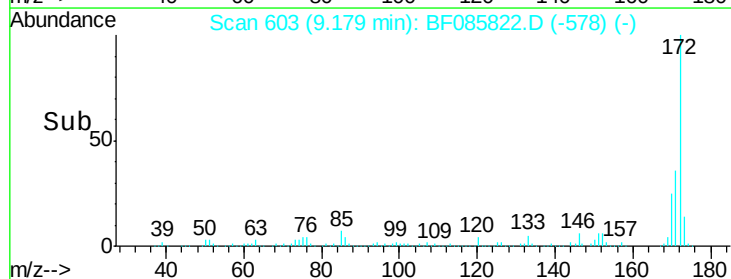
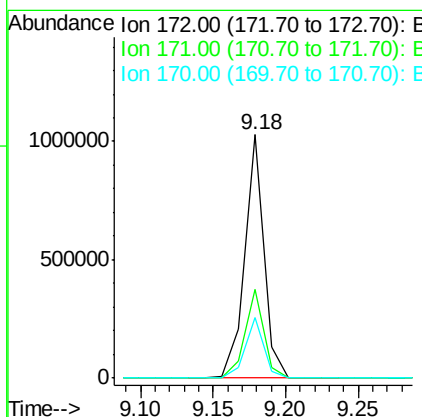
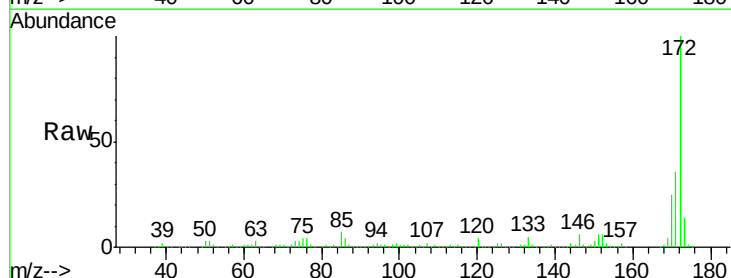
Manual Integrations
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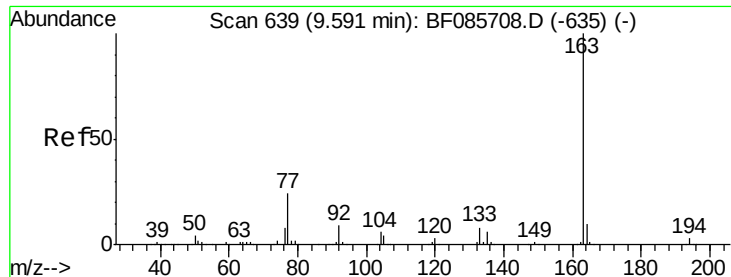
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#44
 2-Fluorobiphenyl
 Concen: 84.11 ng
 RT: 9.18 min Scan# 603
 Delta R.T. -0.01 min
 Lab File: BF085822.D
 Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	944617		
171	36.3	29.4	44.2	
170	24.8	19.8	29.6	





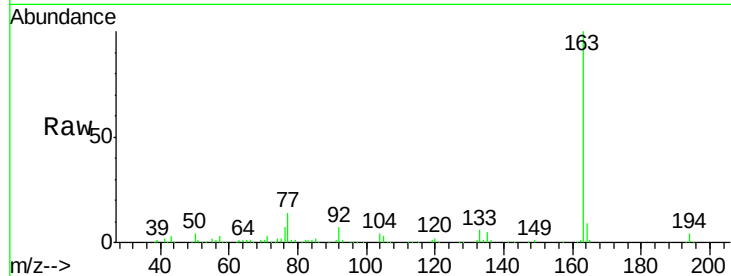
#49
Dimethylphthalate
Concen: 13.49 ng
RT: 9.58 min Scan# 638
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

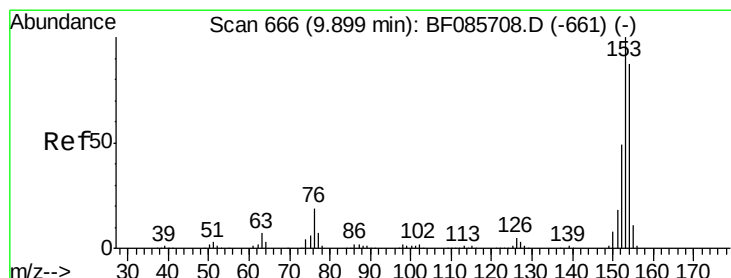
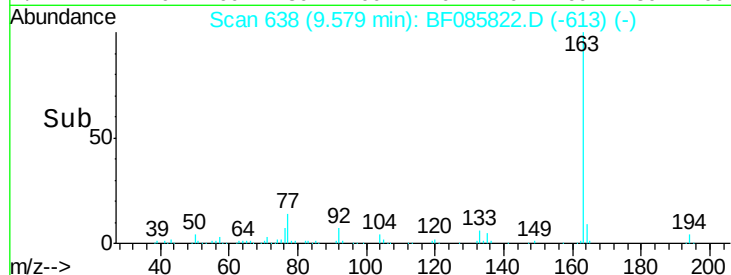
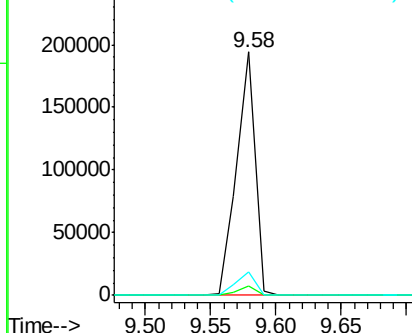
Tgt Ion	Ratio	Resp Lower	Resp Upper
163	100		
194	3.8	2.9	4.3
164	9.4	8.3	12.5

Manual Integrations
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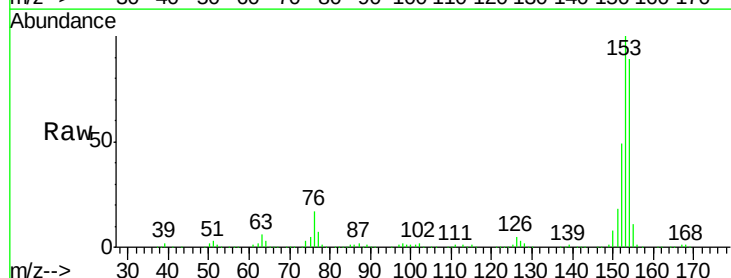


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

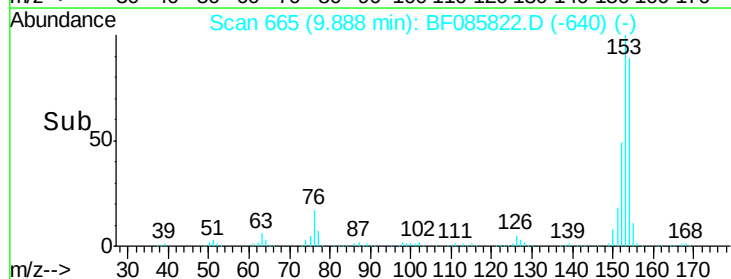
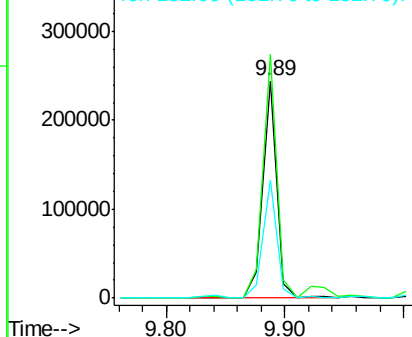


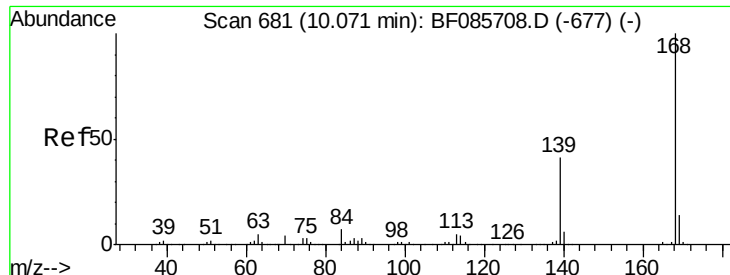
#51
Acenaphthene
Concen: 17.61 ng
RT: 9.89 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
154	100		
153	112.1	90.1	135.1
152	54.5	44.2	66.2



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





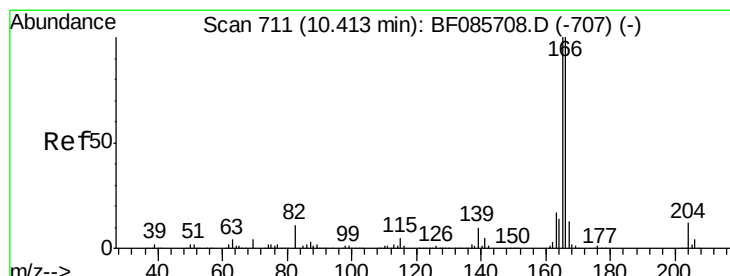
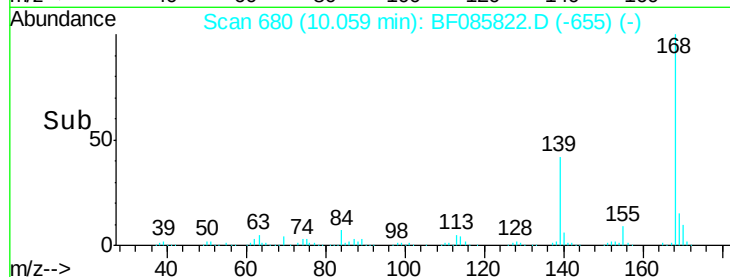
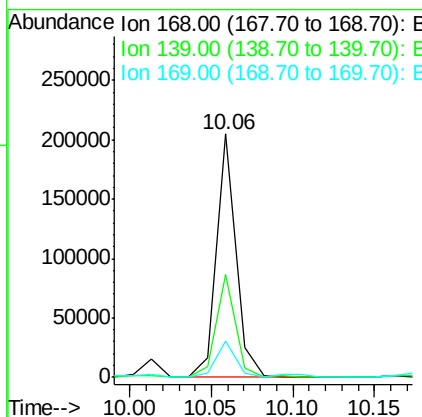
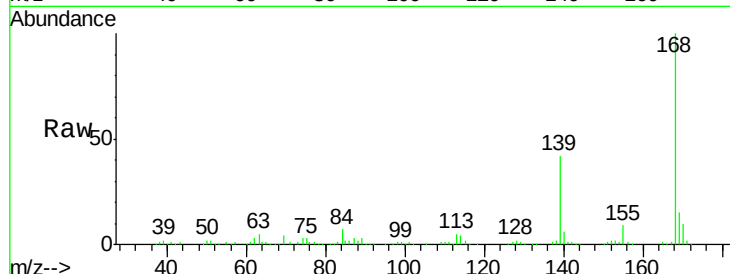
#54
Dibenzenofuran
Concen: 11.37 ng
RT: 10.06 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampled :
GW-04(2-3)

Tgt Ion:	168	Resp:	170569
Ion Ratio	Lower	Upper	
168	100		
139	42.0	31.9	47.9
169	14.9	11.0	16.6

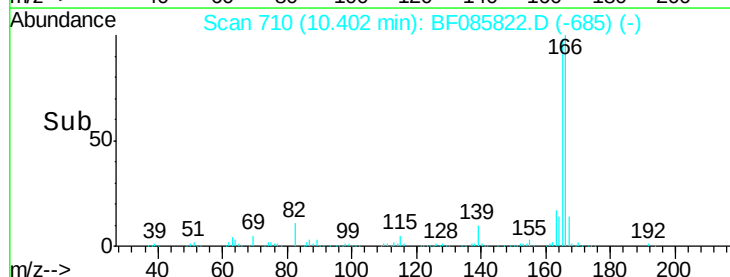
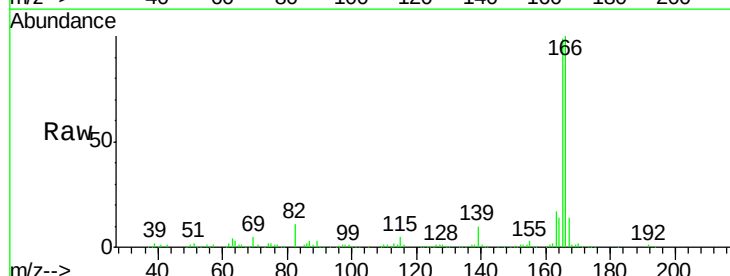
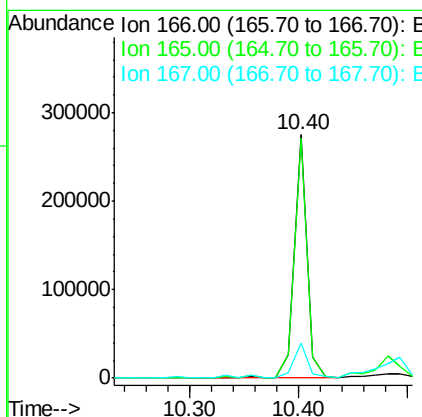
Manual Integrations
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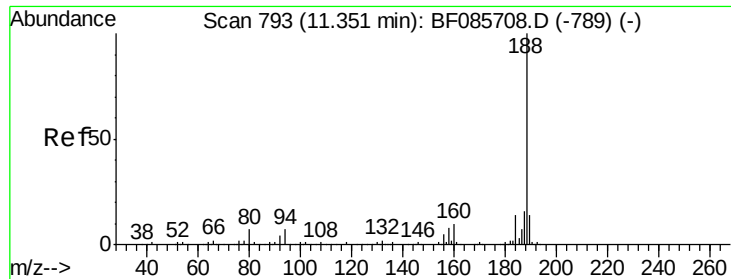
Sohil
3/29/2016 8:24:03 PM



#57
Fluorene
Concen: 18.20 ng
RT: 10.40 min Scan# 710
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion:	166	Resp:	226914
Ion Ratio	Lower	Upper	
166	100		
165	98.5	79.4	119.0
167	14.2	11.0	16.4





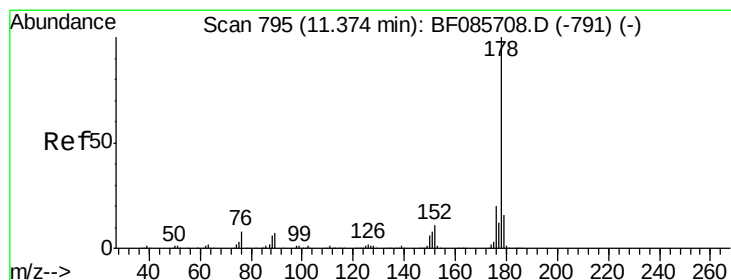
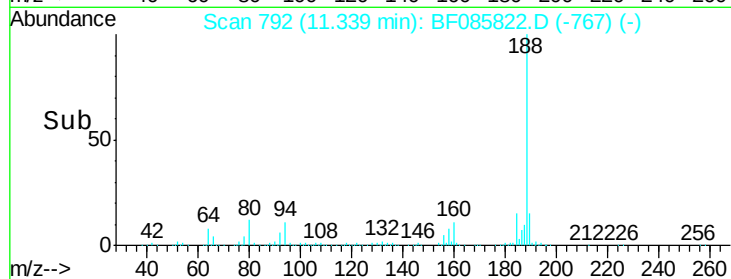
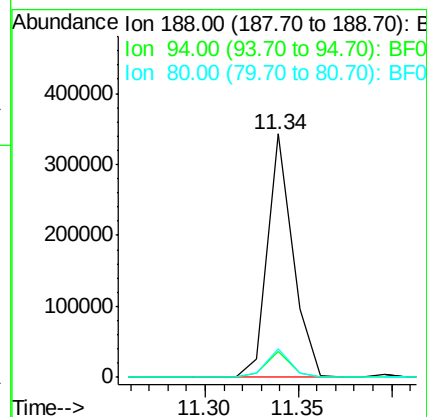
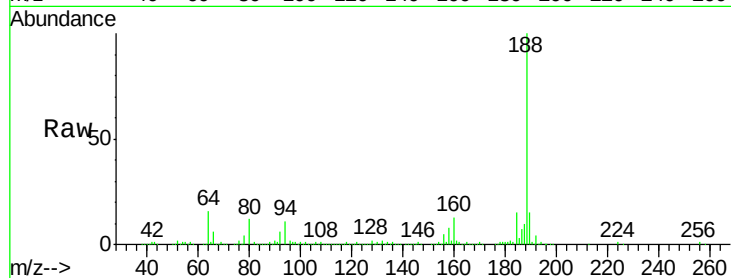
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 792
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.8	5.4	8.0#
80	11.5	5.5	8.3#

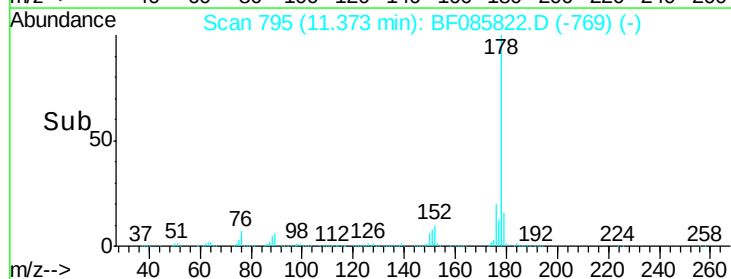
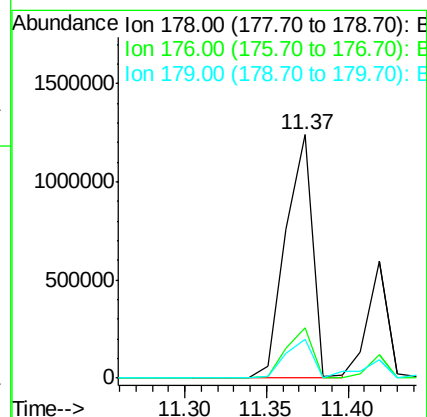
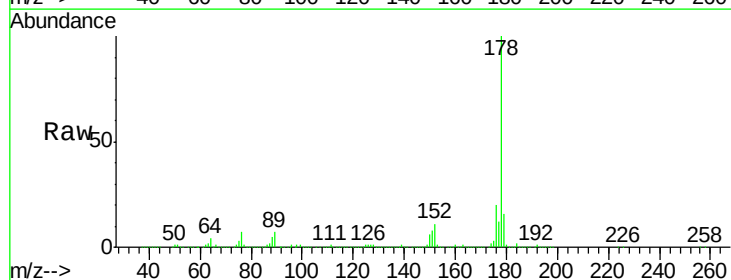
Manual Integrations
APPROVED

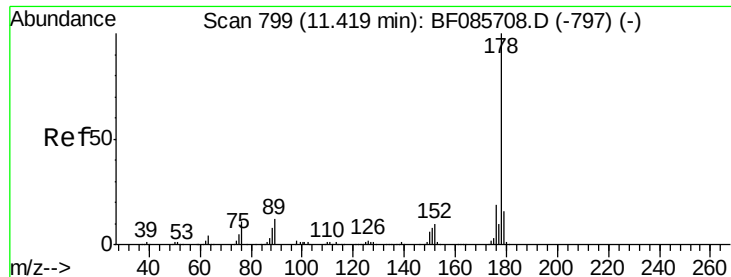
Sohil
3/29/2016 8:24:03 PM



#70
Phenanthrene
Concen: 86.87 ng
RT: 11.37 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	20.4	16.3	24.5
179	15.9	12.6	18.8





#71

Anthracene

Concen: 31.21 ng

RT: 11.42 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

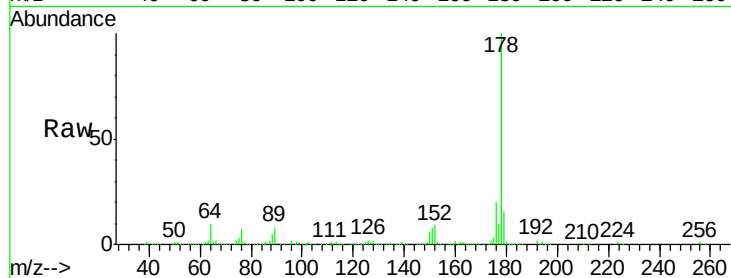
ClientSampleId :

GW-04(2-3)

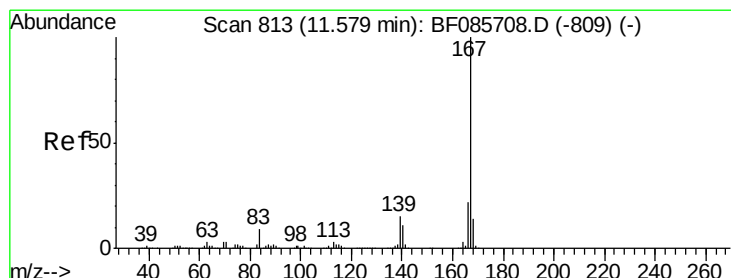
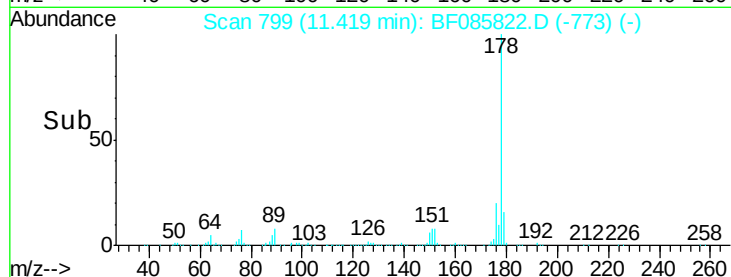
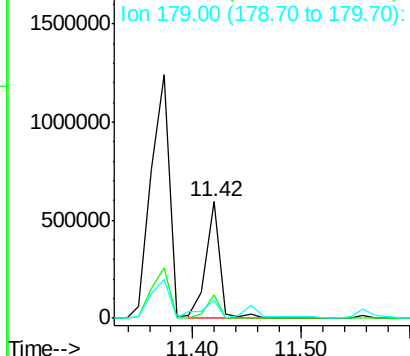
Tgt Ion:	178	Resp:	540445
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.9	23.9
179	15.8	13.0	19.4

Manual Integrations
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 10.88 ng

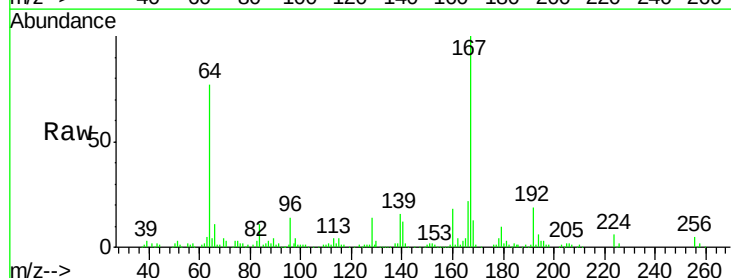
RT: 11.57 min Scan# 812

Delta R.T. -0.01 min

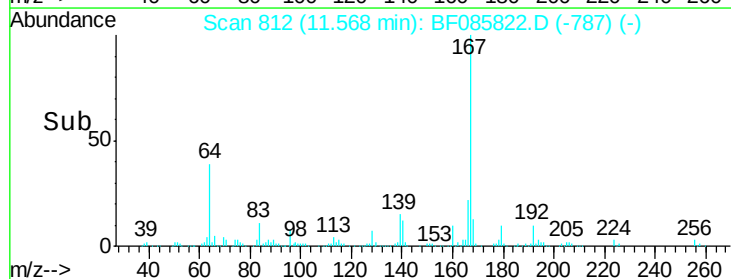
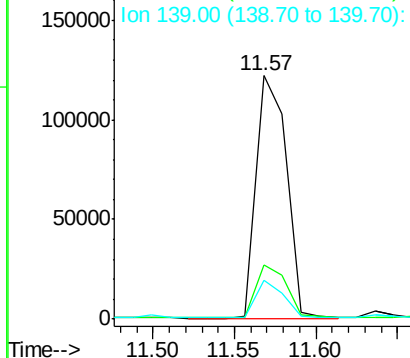
Lab File: BF085822.D

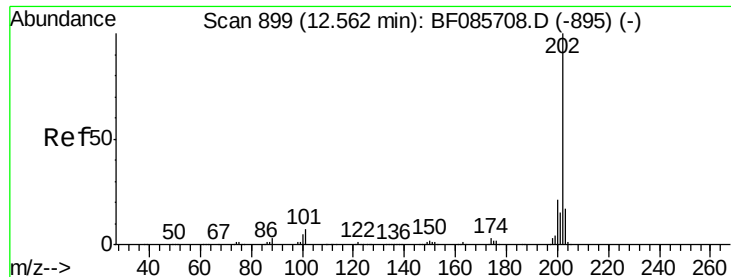
Acq: 29 Mar 2016 1:01

Tgt Ion:	167	Resp:	158173
Ion Ratio	Lower	Upper	
167	100		
166	22.5	17.8	26.8
139	15.8	11.6	17.4



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 54.21 ng

RT: 12.56 min Scan# 899

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

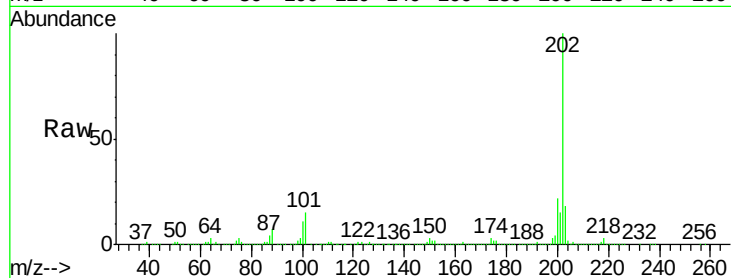
ClientSampleId :

GW-04(2-3)

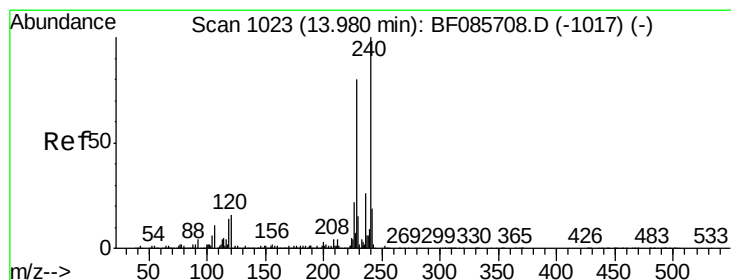
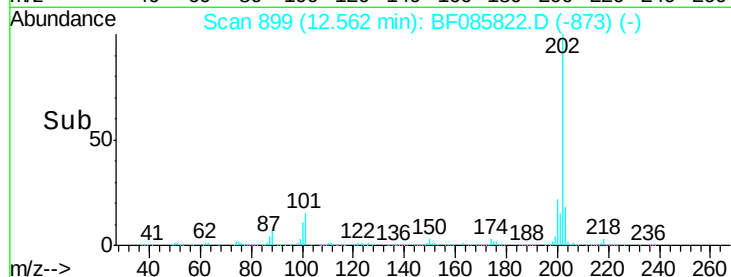
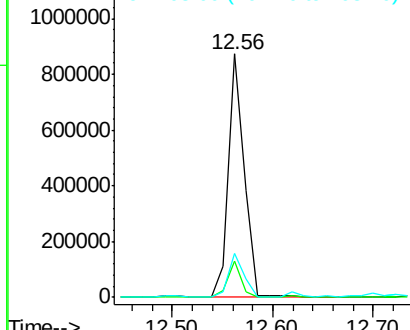
Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		950460		
101	14.6	0.0	36.6		
203	18.2	0.0	38.1		

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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

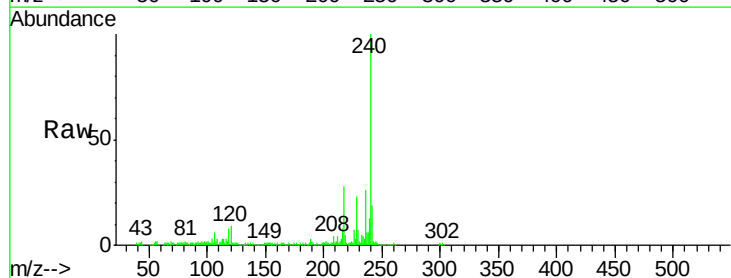
RT: 13.98 min Scan# 1023

Delta R.T. -0.00 min

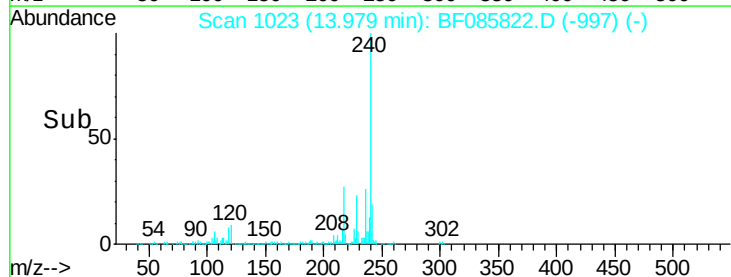
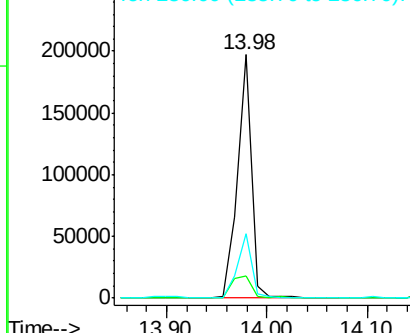
Lab File: BF085822.D

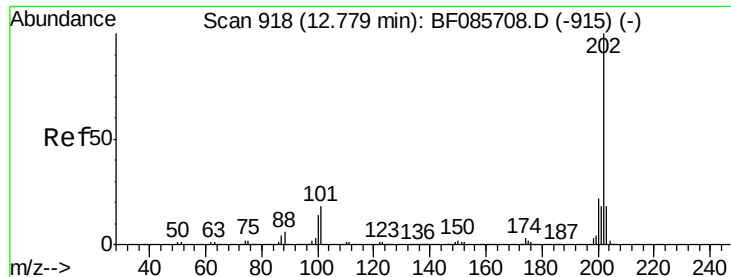
Acq: 29 Mar 2016 1:01

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		189775		
120	9.2	13.8	20.8#		
236	26.4	20.6	30.8		



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 53.93 ng

RT: 12.79 min Scan# 919

Delta R.T. 0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

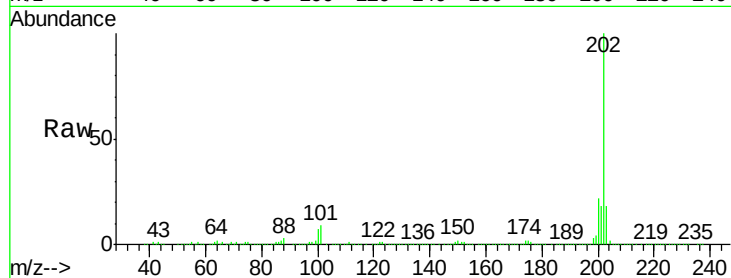
ClientSampleId :

GW-04(2-3)

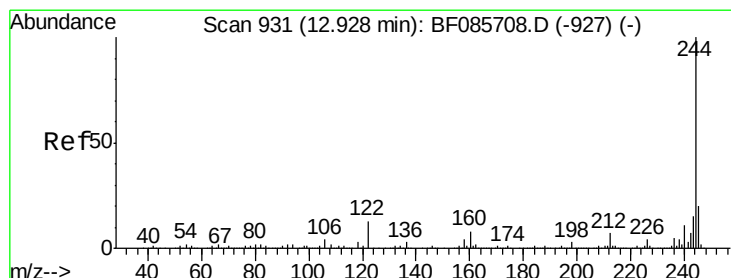
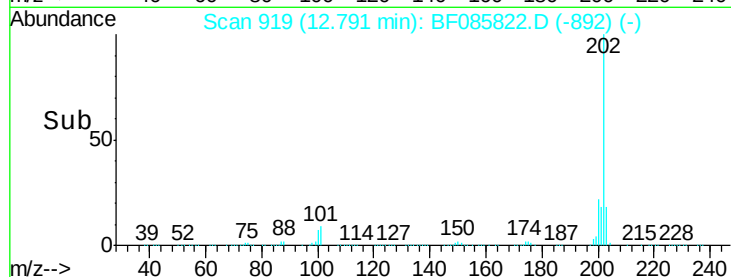
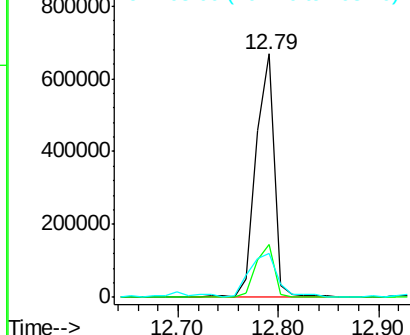
Tgt Ion:	202	Resp:	841334
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.6	26.4
203	18.1	14.0	21.0

Manual Integrations
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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: 78.26 ng

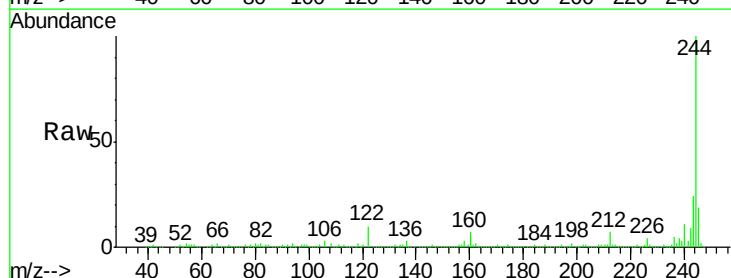
RT: 12.93 min Scan# 931

Delta R.T. -0.00 min

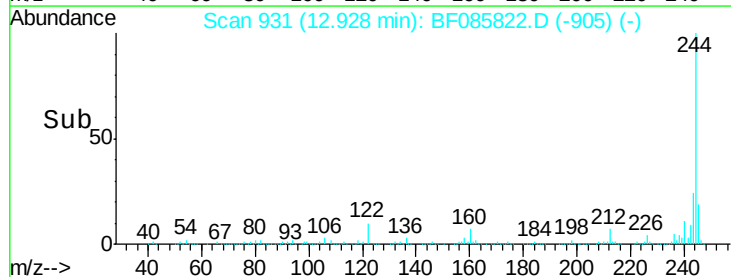
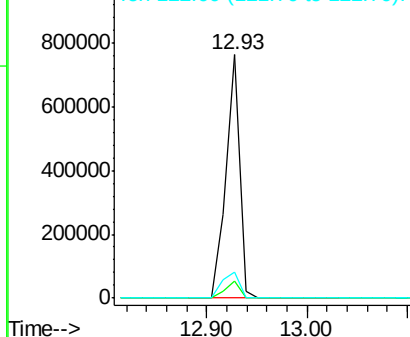
Lab File: BF085822.D

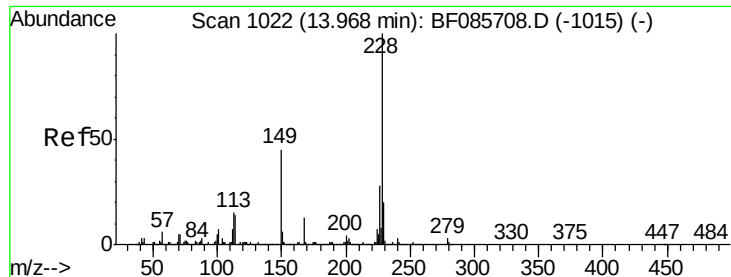
Acq: 29 Mar 2016 1:01

Tgt Ion:	244	Resp:	722167
Ion Ratio	Lower	Upper	
244	100		
212	7.2	6.1	9.1
122	10.5	10.2	15.4



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





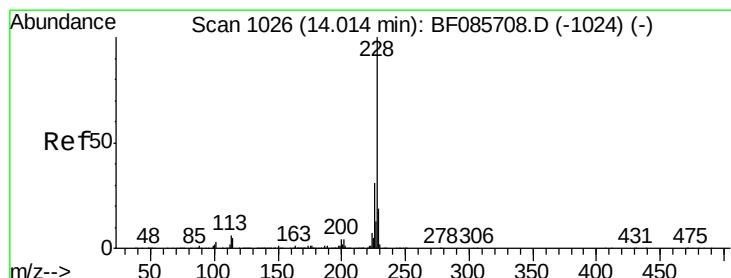
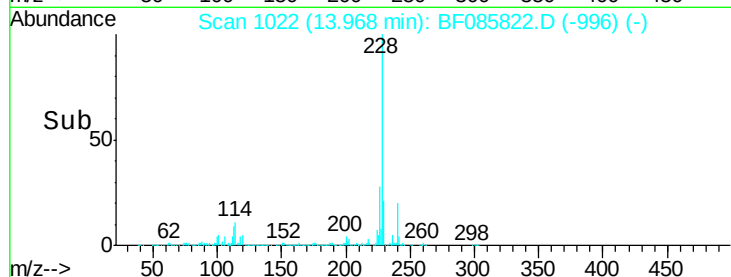
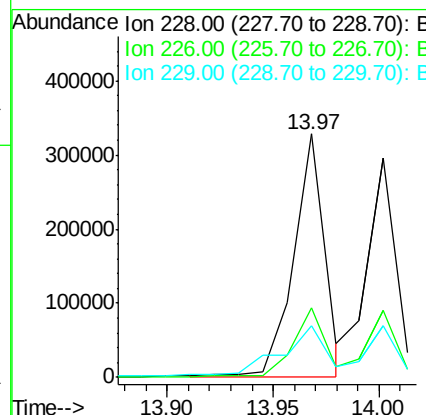
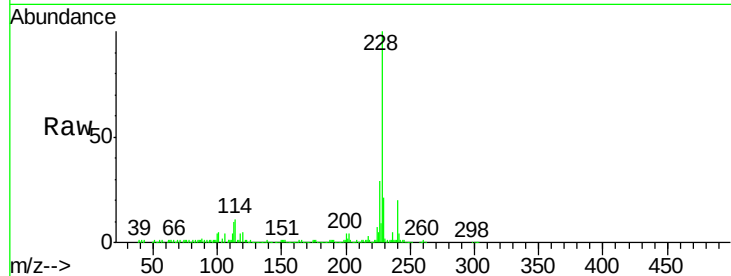
#80
Benzo(a)anthracene
Concen: 31.00 ng m
RT: 13.97 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampled :
GW-04(2-3)

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.1	33.1
229	21.2	16.2	24.4

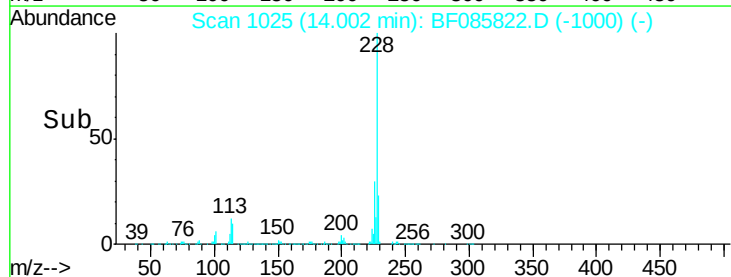
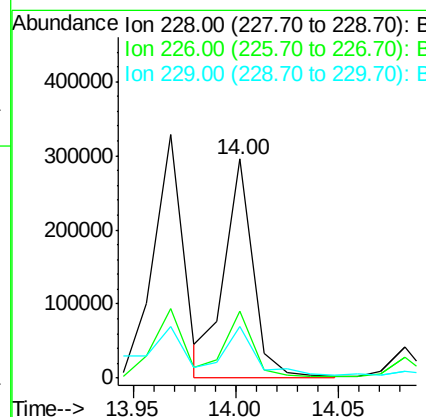
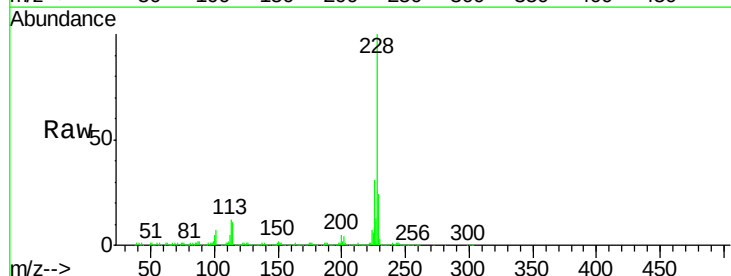
Manual Integrations
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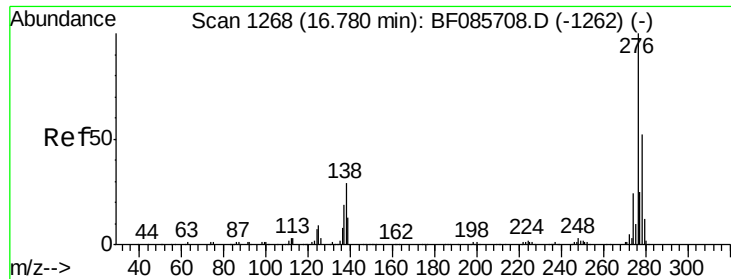
Sohil
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#82
Chrysene
Concen: 26.31 ng m
RT: 14.00 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.0	37.6
229	23.6	15.7	23.5#





#85

Indeno(1,2,3-cd)pyrene

Concen: 15.99 ng

RT: 16.77 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

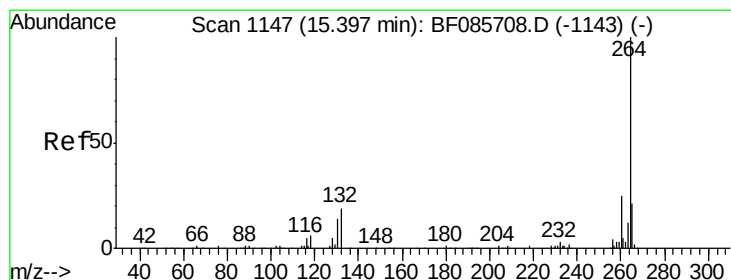
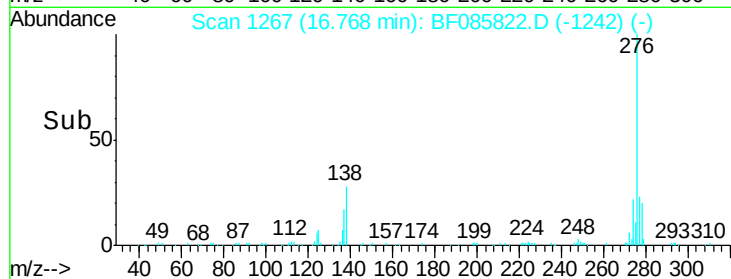
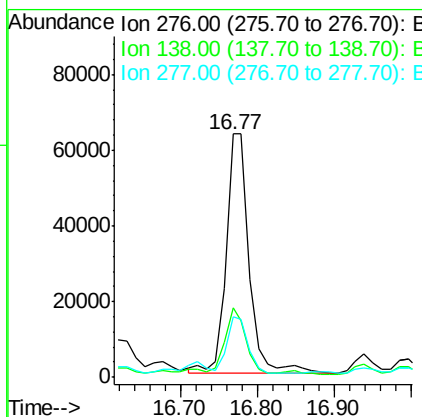
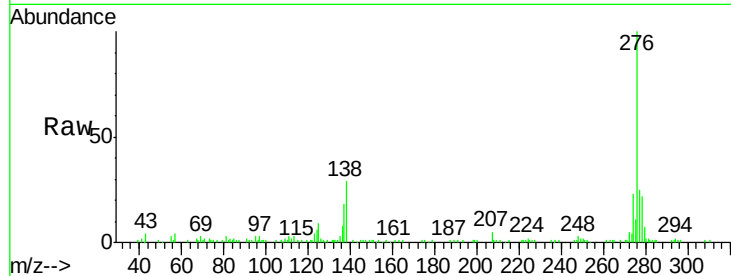
ClientSampleId :

GW-04(2-3)

Tgt Ion:	276	Resp:	134602
Ion Ratio	Lower	Upper	
276	100		
138	28.3	24.2	36.4
277	21.3	20.0	30.0

Manual Integrations
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#86

Perylene-d12

Concen: 20.00 ng

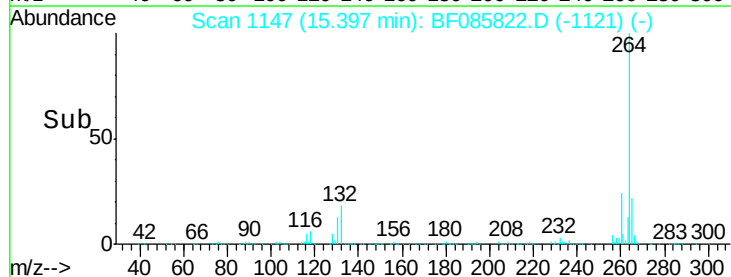
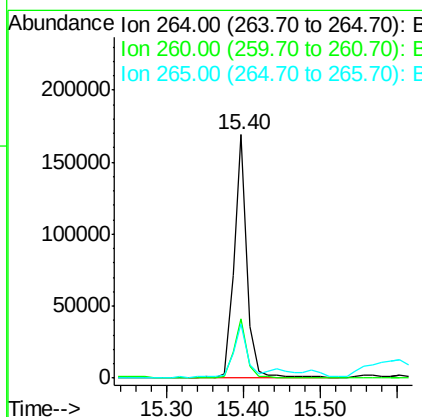
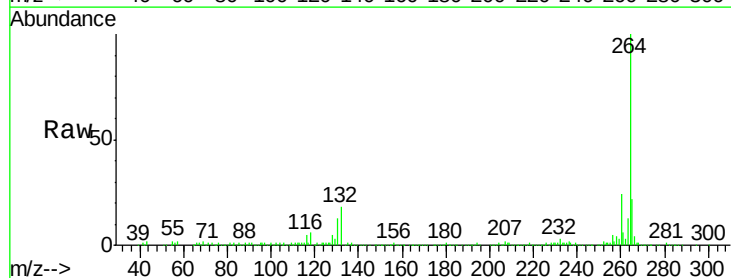
RT: 15.40 min Scan# 1147

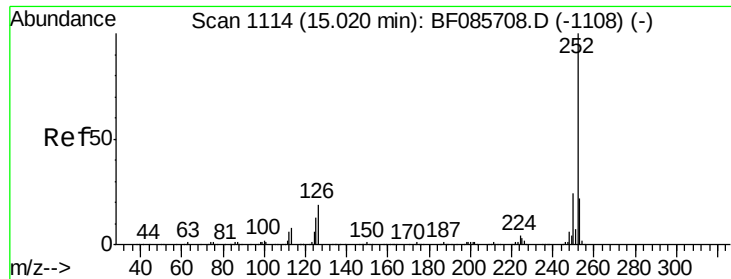
Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Tgt Ion:	264	Resp:	200122
Ion Ratio	Lower	Upper	
264	100		
260	24.4	19.4	29.2
265	22.4	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 25.19 ng m

RT: 15.00 min Scan# 1112

Delta R.T. -0.00 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Instrument :

BNA_F

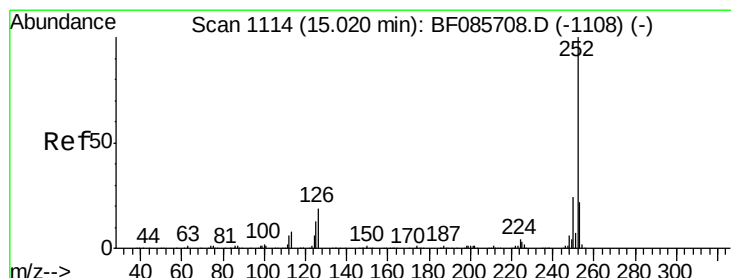
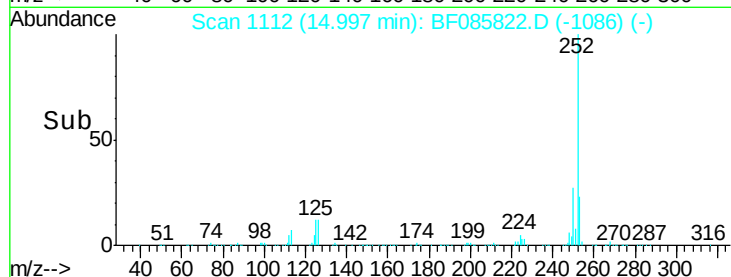
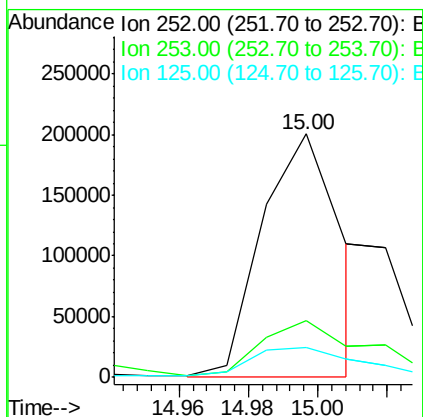
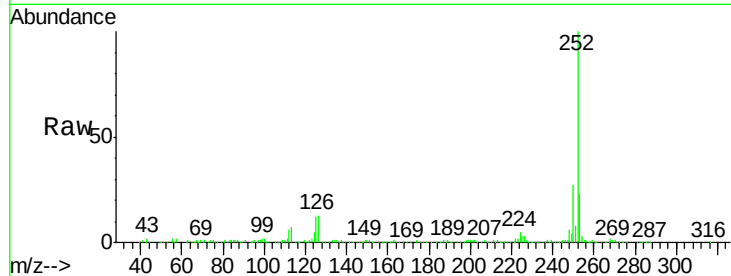
ClientSampleId :

GW-04(2-3)

Tgt Ion:	252	Resp:	317557
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.6	26.4
125	12.4	10.3	15.5

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 7.72 ng m

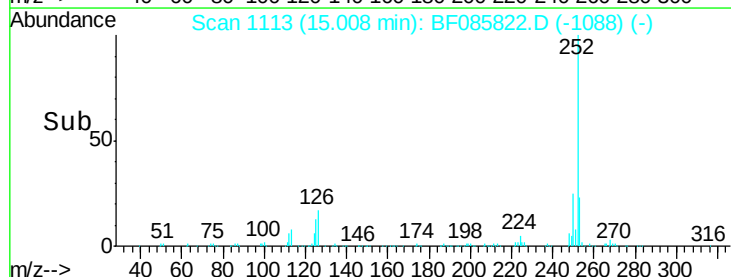
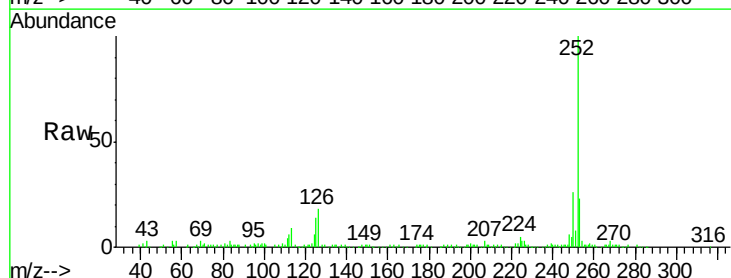
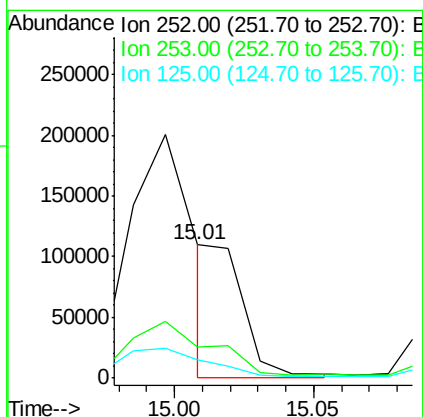
RT: 15.01 min Scan# 1113

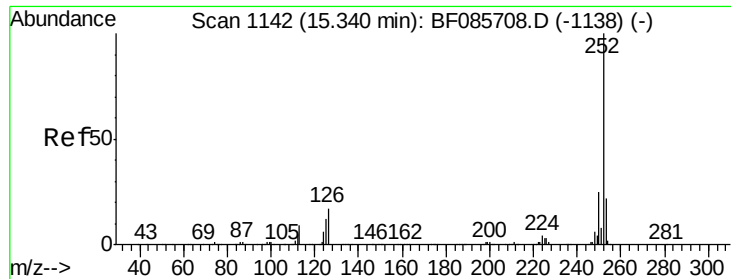
Delta R.T. -0.01 min

Lab File: BF085822.D

Acq: 29 Mar 2016 1:01

Tgt Ion:	252	Resp:	87707
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.8	26.6
125	13.7	7.7	11.5#





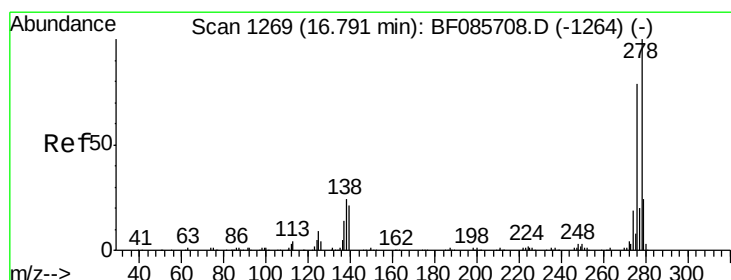
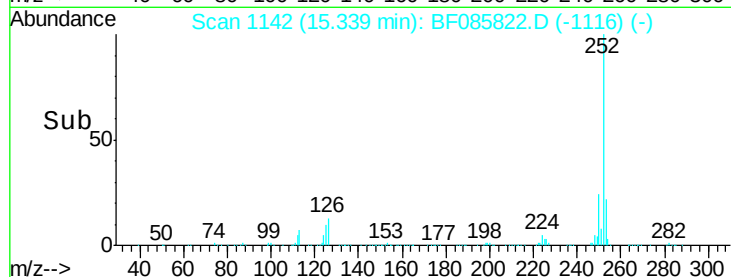
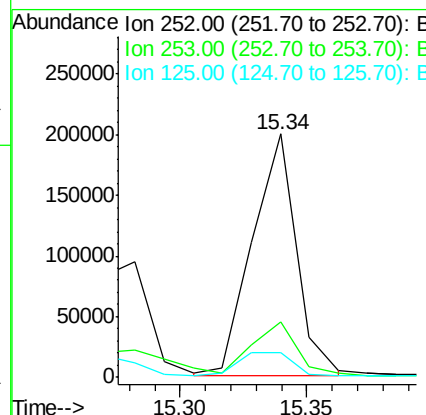
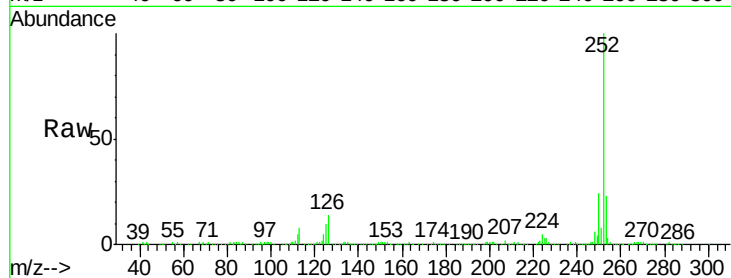
#89
Benzo(a)pyrene
Concen: 21.57 ng m
RT: 15.34 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	10.1	10.3	15.5#

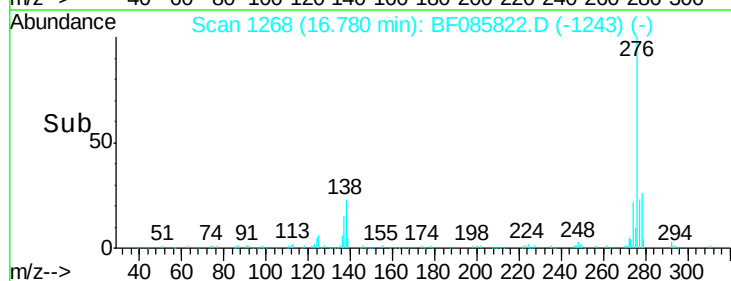
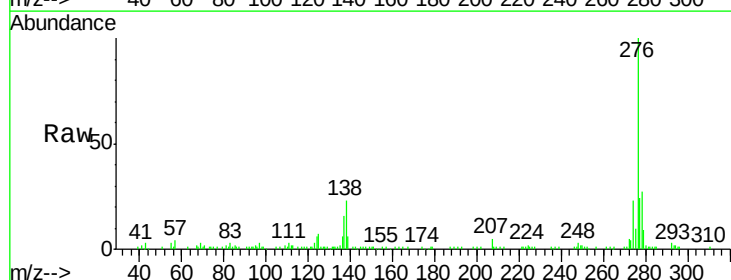
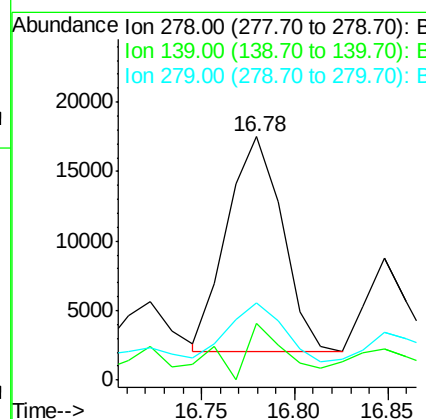
Manual Integrations
APPROVED

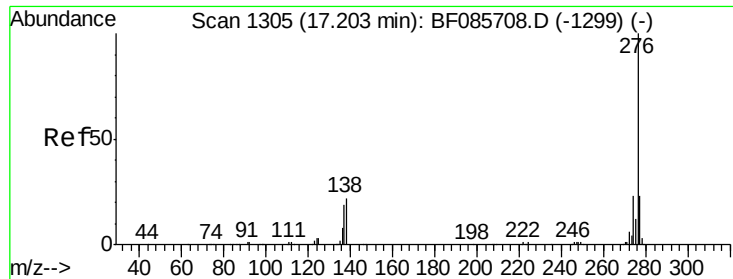
Sohil
3/29/2016 8:24:03 PM



#90
Dibenzo(a,h)anthracene
Concen: 3.06 ng
RT: 16.78 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Tgt Ion	Ratio	Lower	Upper
278	100		
139	23.2	14.4	21.6#
279	31.8	19.1	28.7#





#91
Benzo(g,h,i)perylene
Concen: 11.27 ng
RT: 17.19 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF085822.D
Acq: 29 Mar 2016 1:01

Instrument :
BNA_F
ClientSampleId :
GW-04(2-3)

Tgt	Ion	Ratio	Resp	Lower	Upper
276	100		118651		
277	24.5	18.8	28.2		
138	25.3	22.6	34.0		

Manual Integrations
APPROVED

Sohil
3/29/2016 8:24:03 PM

