

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
 Data File : BF087738.D
 Acq On : 6 Jun 2016 6:20
 Operator : UM/SJ
 Sample : H3290-01RE
 Misc :
 ALS Vial : 74 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GM-SP-(0-4)RE

Manual Integrations
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Quant Time: Jun 06 07:07:10 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jun 04 11:07:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	151665	20.00	ng	-0.01
21) Naphthalene-d8	8.15	136	647927	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	254362	20.00	ng	-0.01
63) Phenanthrene-d10	11.38	188	414040	20.00	ng	0.00
75) Chrysene-d12	14.02	240	295639	20.00	ng	0.00
86) Perylene-d12	15.46	264	258524	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	993341	105.86	ng	0.02
7) Phenol-d6	6.50	99	1270233	107.94	ng	0.01
23) Nitrobenzene-d5	7.43	82	739714	66.05	ng	0.00
41) 2,4,6-Tribromophenol	10.68	330	233888	91.60	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1203687	68.28	ng	-0.01
78) Terphenyl-d14	12.97	244	698531	57.65	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.17	128	134118	4.26	ng	98
37) 2-Methylnaphthalene	8.86	142	101279	4.87	ng	97
48) Acenaphthylene	9.76	152	265919	10.38	ng	99
49) Dimethylphthalate	9.62	163	200337	10.83	ng	98
54) Dibenzofuran	10.10	168	64543	2.88	ng	# 91
70) Phenanthrene	11.40	178	397378	17.70	ng	99
71) Anthracene	11.45	178	243440	10.82	ng	98
72) Carbazole	11.61	167	74804	3.51	ng	99
74) Fluoranthene	12.59	202	969918	43.91	ng	97
77) Pyrene	12.82	202	872521	41.45	ng	99
79) Butylbenzylphthalate	13.45	149	48959	5.46	ng	97
80) Benzo(a)anthracene	14.01	228	614062	35.99	ng	# 87
82) Chrysene	14.05	228	417594m	24.59	ng	
85) Indeno(1,2,3-cd)pyrene	16.87	276	279904	19.94	ng	# 100
87) Benzo(b)fluoranthene	15.05	252	676505m	40.23	ng	
88) Benzo(k)fluoranthene	15.06	252	280001m	20.01	ng	
89) Benzo(a)pyrene	15.41	252	380518	26.92	ng	97
90) Dibenzo(a,h)anthracene	16.88	278	64569	5.37	ng	# 92
91) Benzo(a,h,i)perylene	17.29	276	251618	20.73	ng	99

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

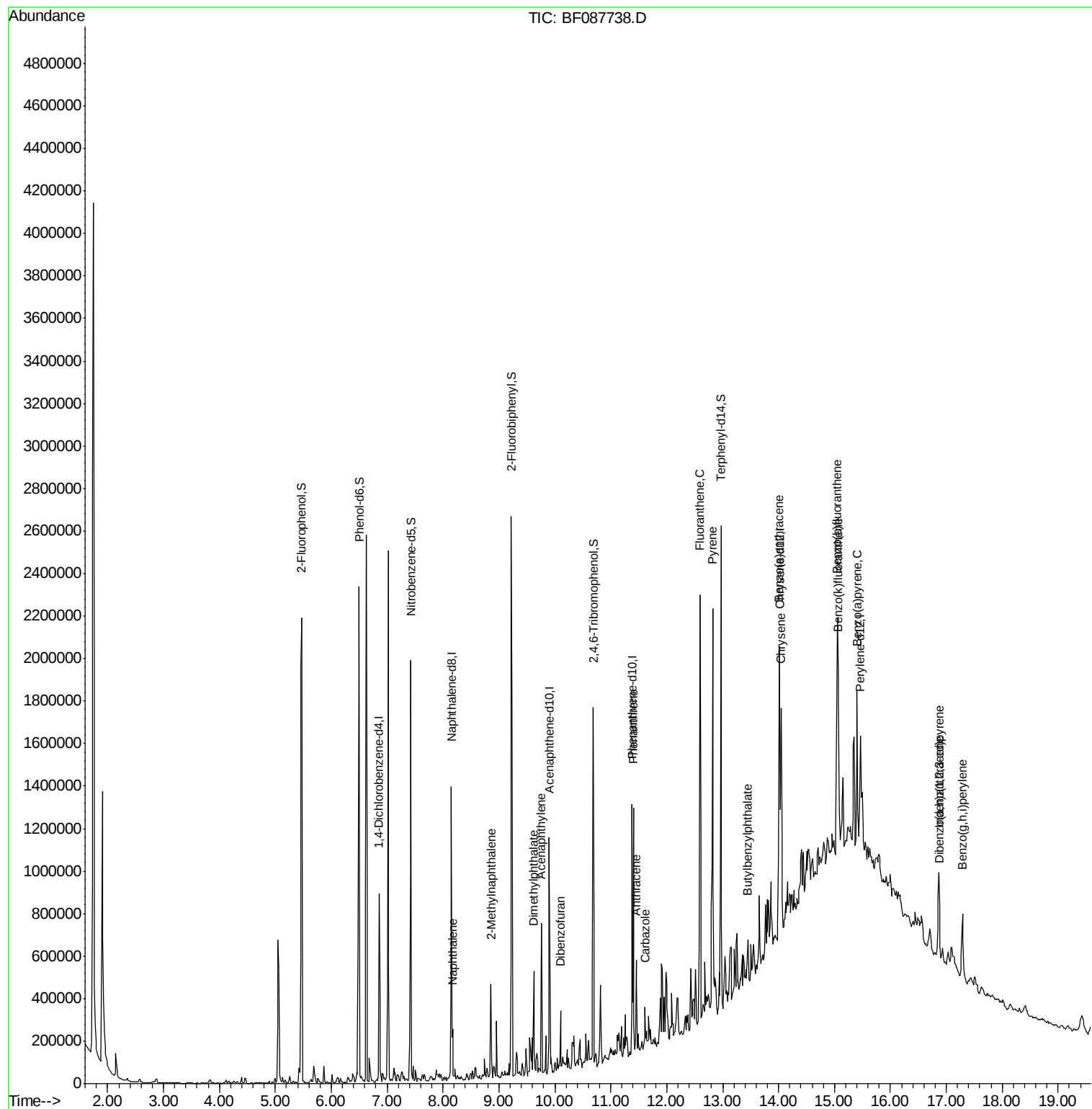
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060516\
Data File : BF087738.D
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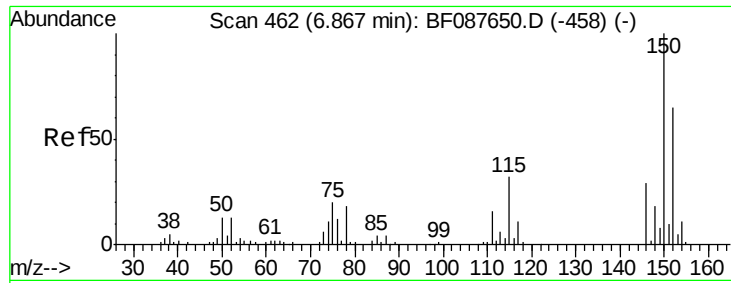
Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

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Quant Time: Jun 06 07:07:10 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

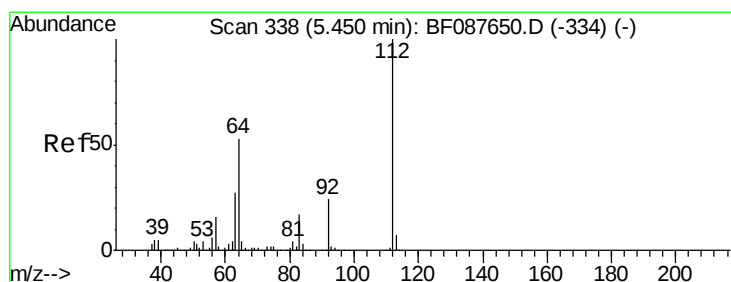
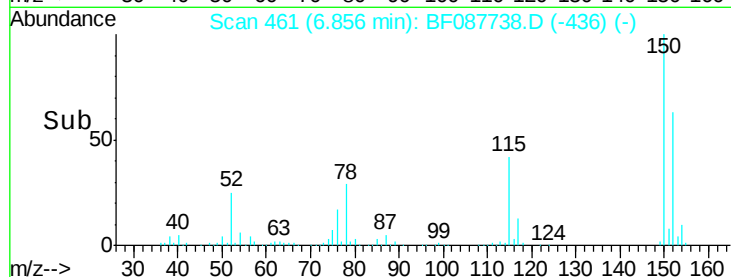
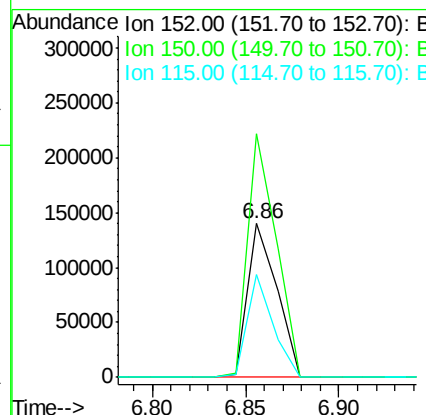
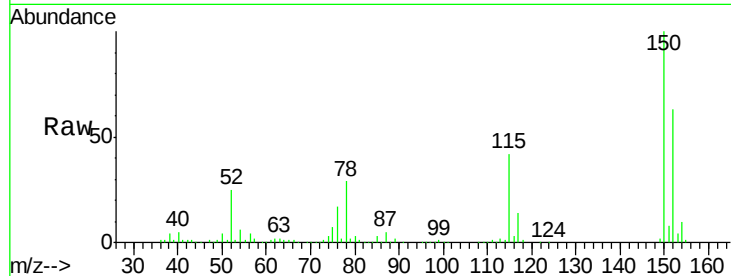
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	151665		
150	158.5	123.8	185.6	
115	66.6	39.6	59.4	

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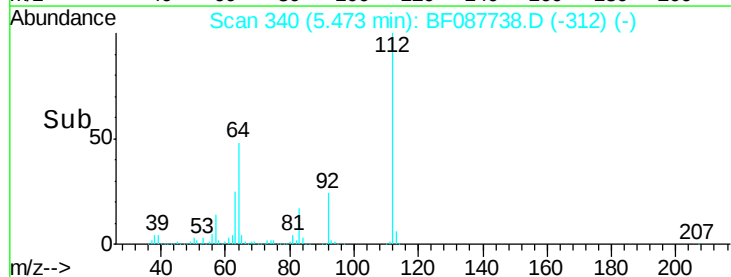
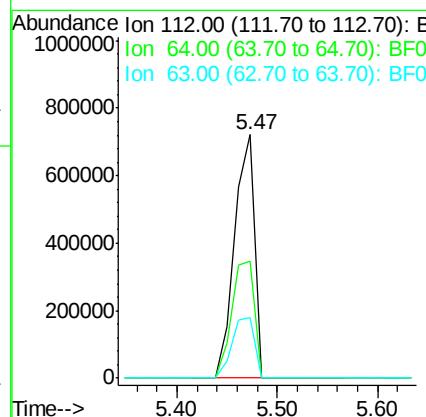
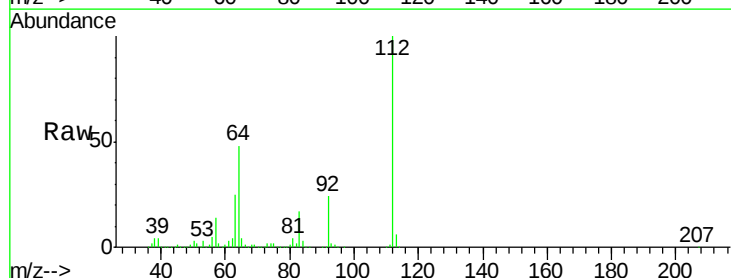
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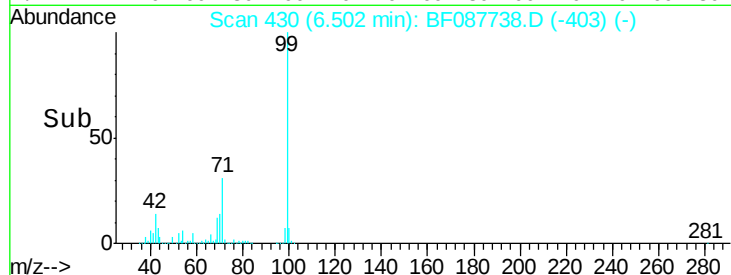
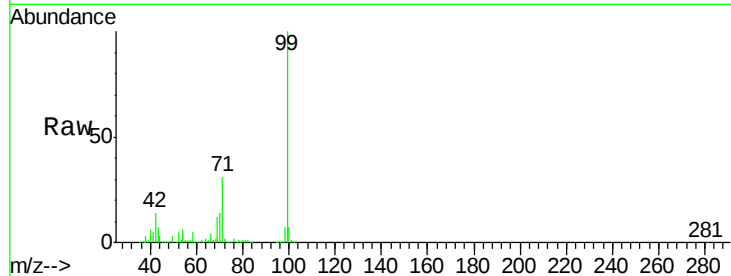
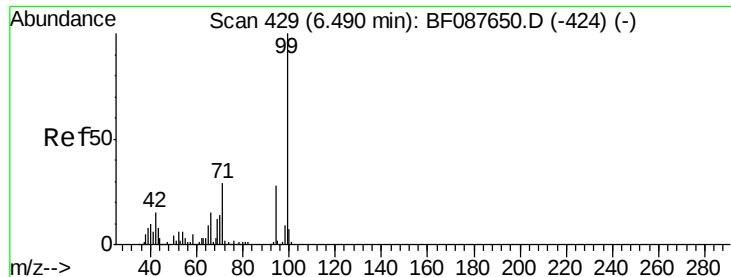


#5

2-Fluorophenol
Concen: 105.86 ng
RT: 5.47 min Scan# 340
Delta R.T. 0.02 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	993341		
64	47.9	42.2	63.2	
63	24.9	21.8	32.8	





#7

Phenol-d6

Concen: 107.94 ng

RT: 6.50 min Scan# 430

Delta R.T. 0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Tot Ion: 99 Resp: 1270233

Ion Ratio Lower Upper

99 100

42 14.5 12.2 18.2

71 31.4 23.4 35.0

Instrument :

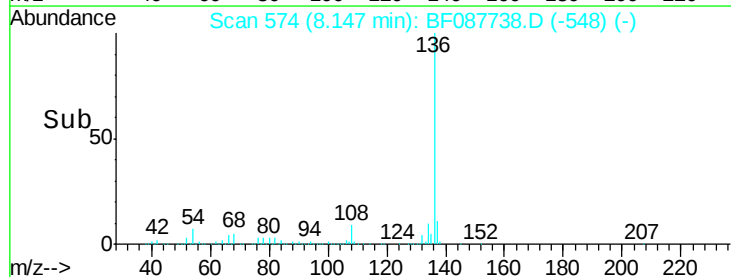
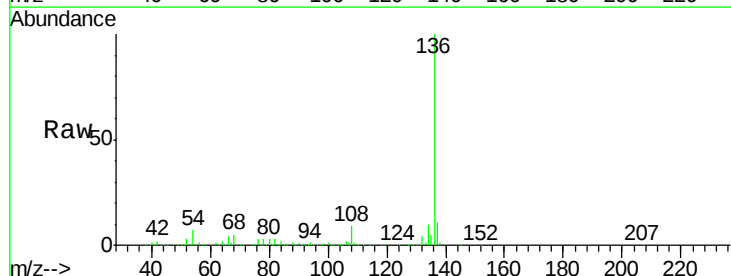
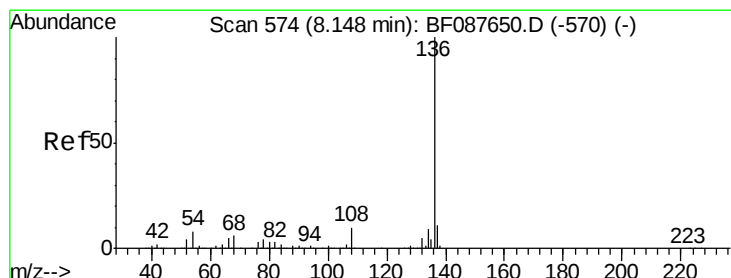
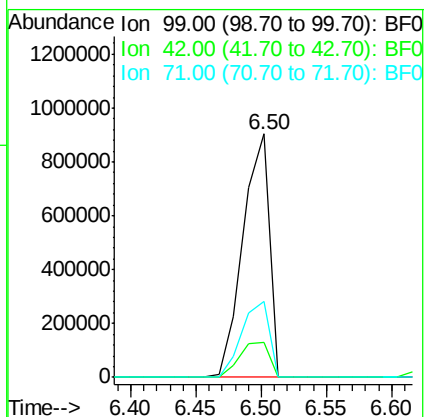
BNA_F

ClientSampleId :

GM-SP-(0-4)RE

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#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.15 min Scan# 574

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Tgt Ion: 136 Resp: 647927

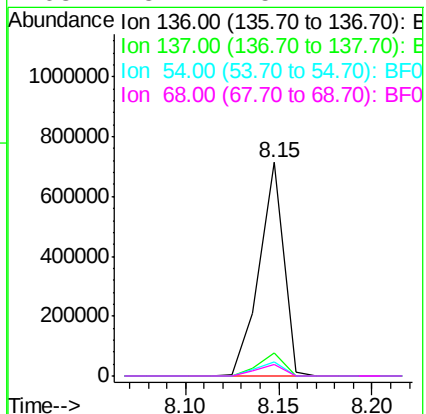
Ion Ratio Lower Upper

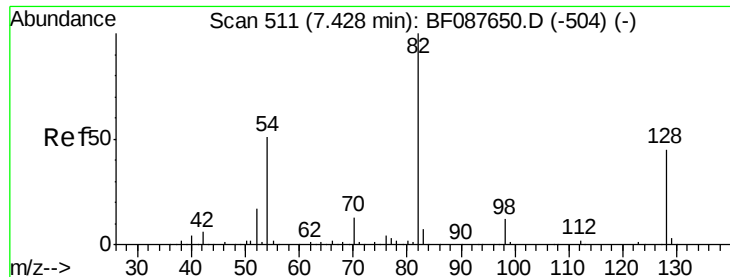
136 100

137 11.0 9.1 13.7

54 6.6 6.6 10.0#

68 5.4 5.1 7.7





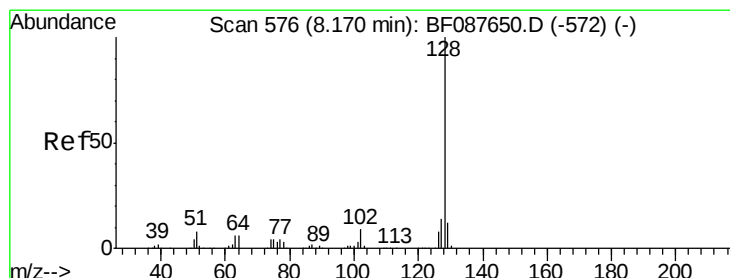
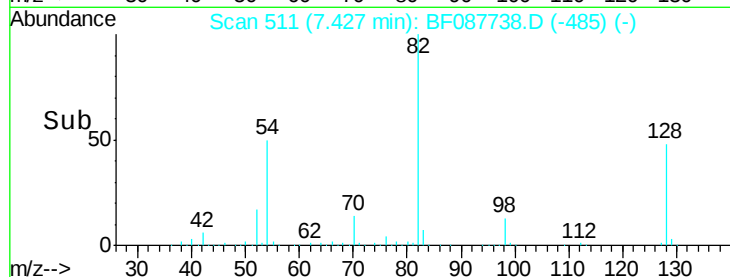
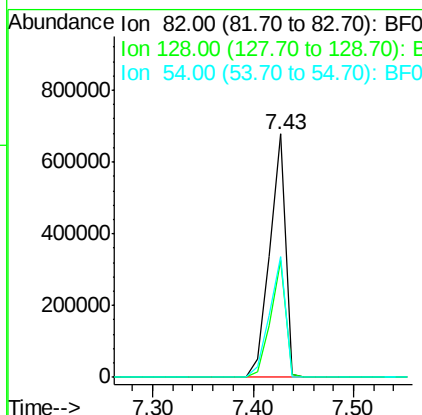
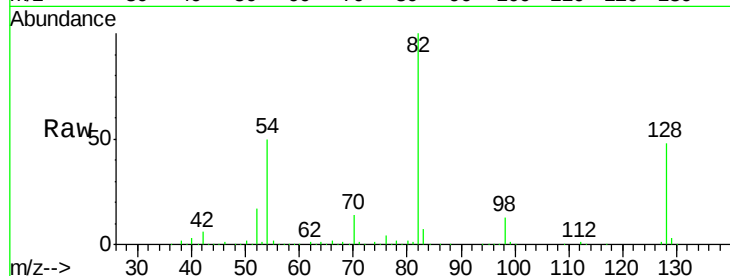
#23
 Nitrobenzene-d5
 Concen: 66.05 ng
 RT: 7.43 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: BF087738.D
 Acq: 6 Jun 2016 6:20

Instrument :
 BNA_F
 ClientSampleId :
 GM-SP-(0-4)RE

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.9	35.9	53.9
54	49.7	40.9	61.3

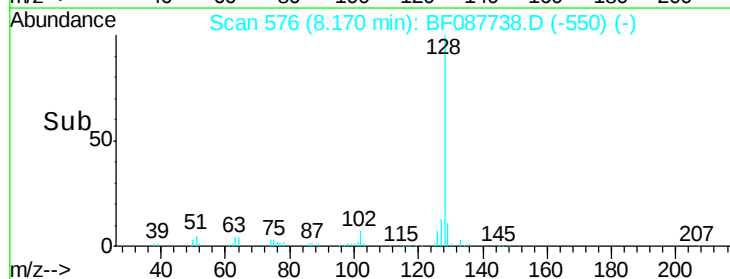
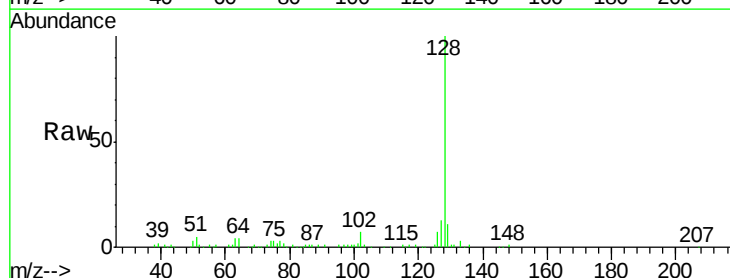
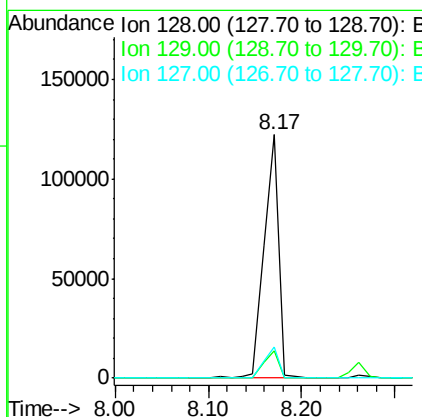
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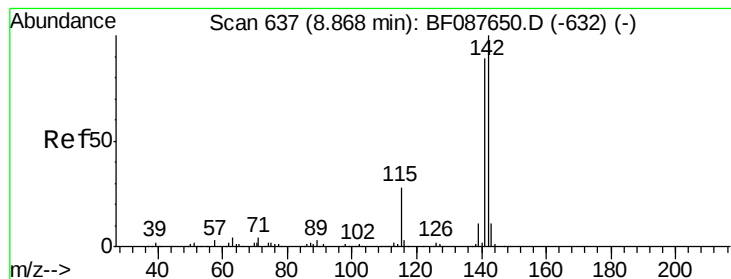
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#31
 Naphthalene
 Concen: 4.26 ng
 RT: 8.17 min Scan# 576
 Delta R.T. -0.00 min
 Lab File: BF087738.D
 Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.4	14.2
127	12.7	10.9	16.3





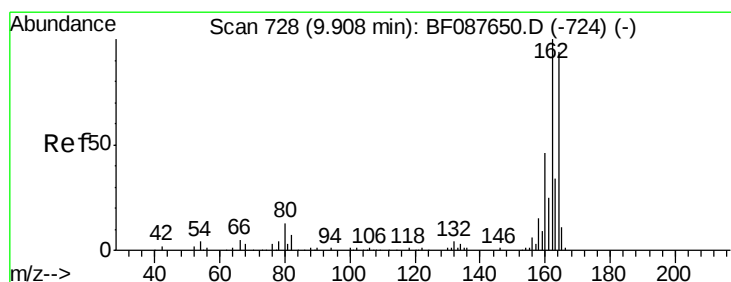
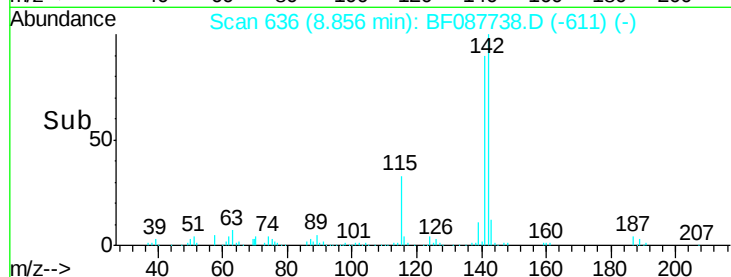
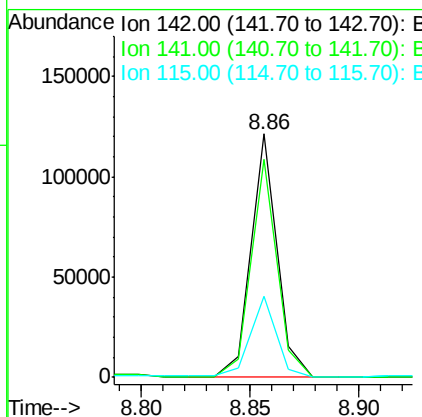
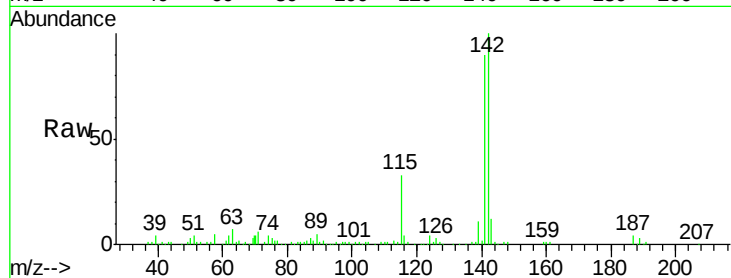
#37
2-Methylnaphthalene
Concen: 4.87 ng
RT: 8.86 min Scan# 636
Delta R.T. -0.01 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.0	106.6
115	33.3	22.6	33.8

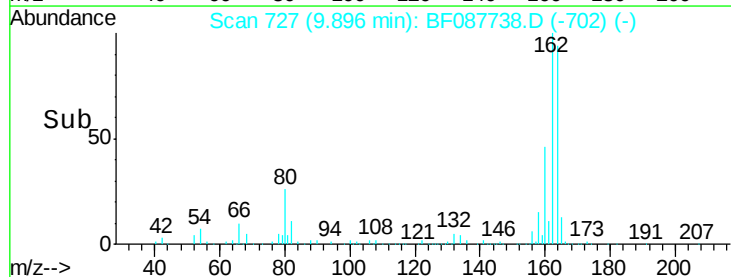
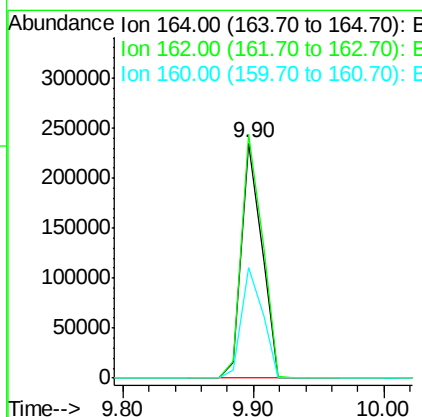
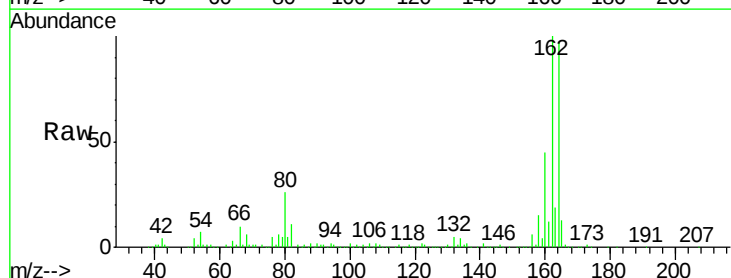
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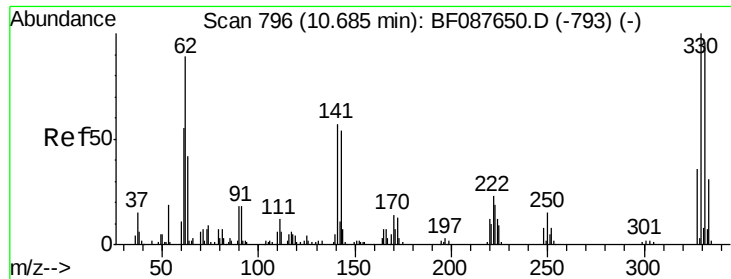
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.90 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	85.4	128.2
160	46.9	39.5	59.3





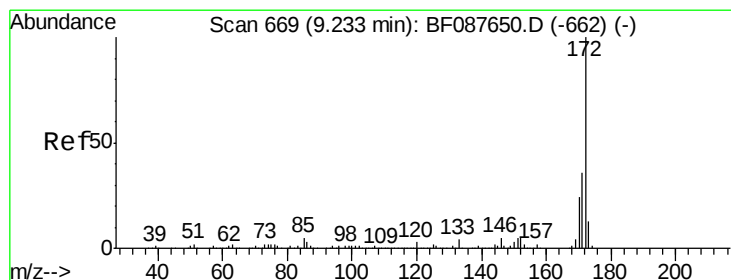
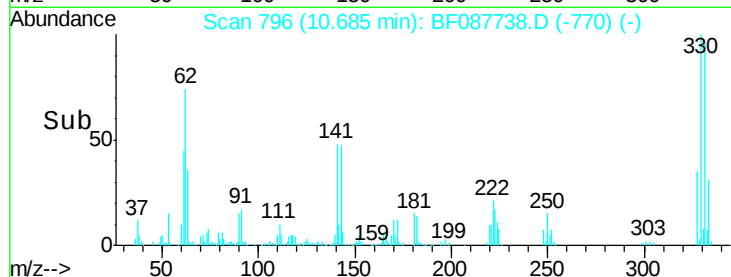
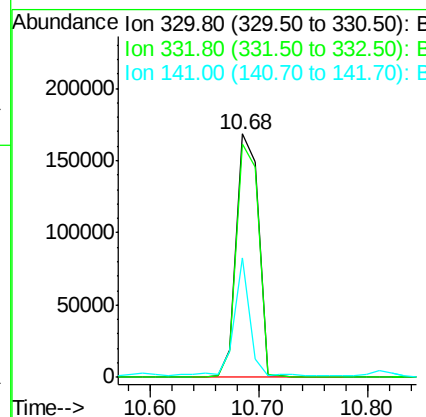
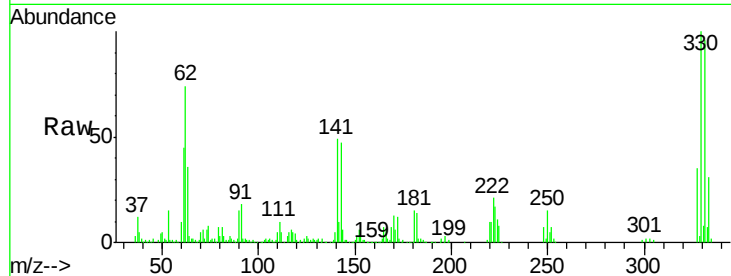
#41
 2,4,6-Tribromophenol
 Concen: 91.60 ng
 RT: 10.68 min Scan# 796
 Delta R.T. -0.00 min
 Lab File: BF087738.D
 Acq: 6 Jun 2016 6:20

Instrument :
 BNA_F
 ClientSampleId :
 GM-SP-(0-4)RE

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.6	0.0	0.0#
141	35.1	0.0	0.0#

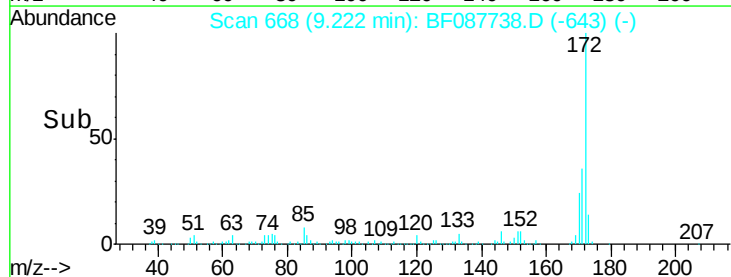
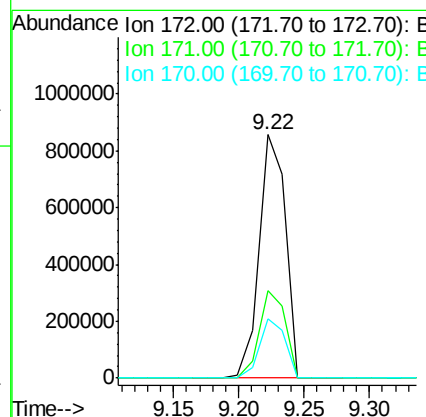
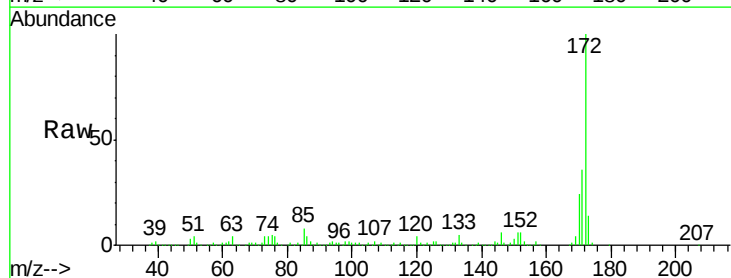
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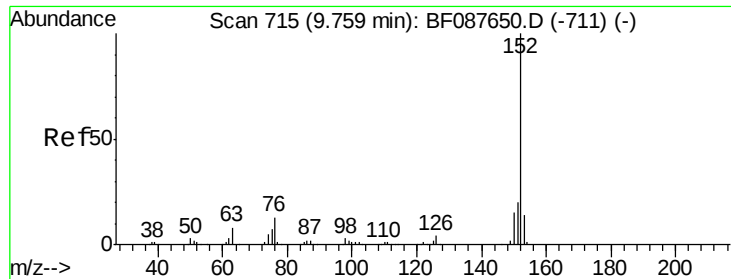
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#44
 2-Fluorobiphenyl
 Concen: 68.28 ng
 RT: 9.22 min Scan# 668
 Delta R.T. -0.01 min
 Lab File: BF087738.D
 Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.9	28.6	43.0
170	24.2	19.2	28.8





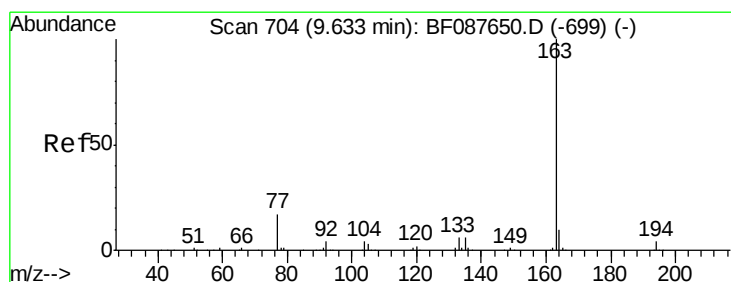
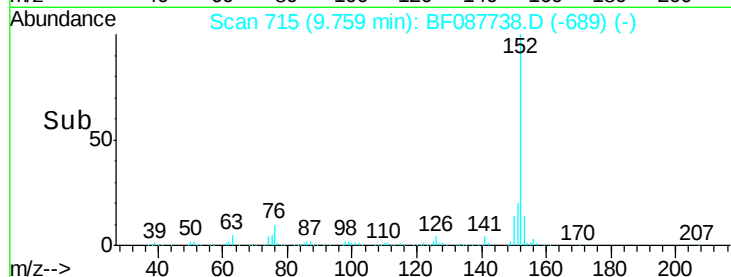
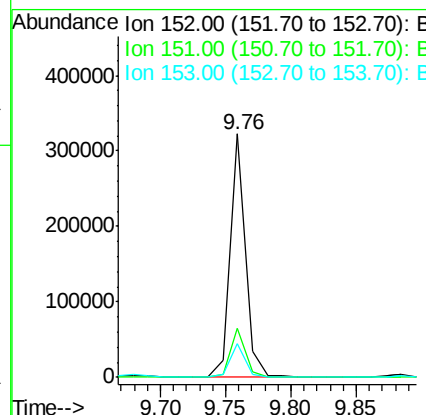
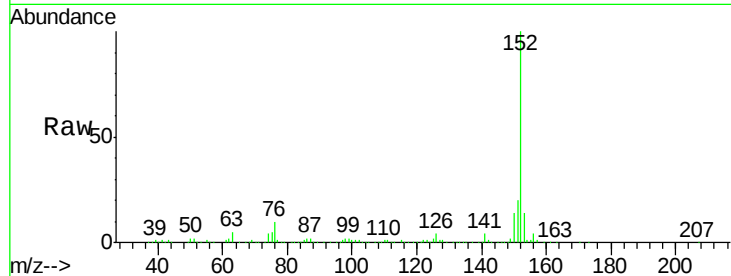
#48
Acenaphthylene
Concen: 10.38 ng
RT: 9.76 min Scan# 715
Delta R.T. 0.00 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

Tot Ion	Ratio	Resp	Lower	Upper
152	100	265919		
151	20.0	16.2	24.4	
153	13.6	11.0	16.6	

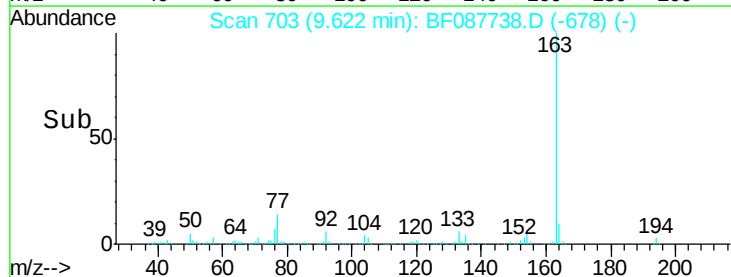
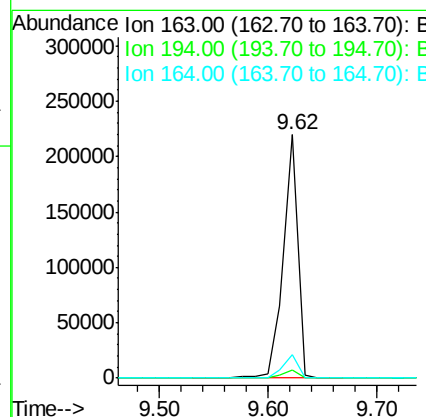
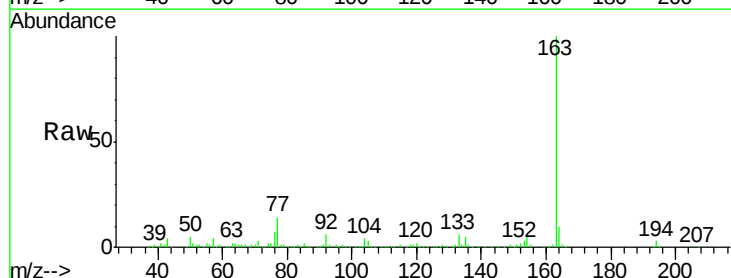
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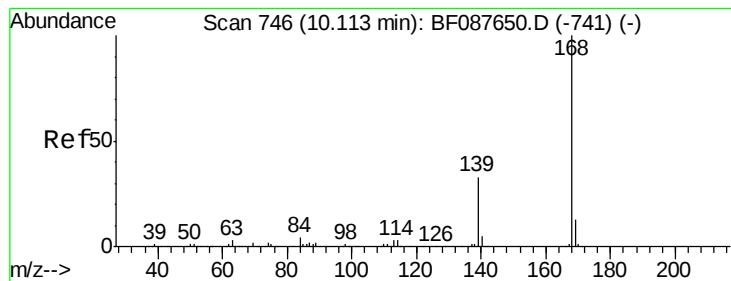
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#49
Dimethylphthalate
Concen: 10.83 ng
RT: 9.62 min Scan# 703
Delta R.T. -0.01 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	200337		
194	3.4	2.8	4.2	
164	9.6	8.3	12.5	





#54

Dibenzofuran

Concen: 2.88 ng

RT: 10.10 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

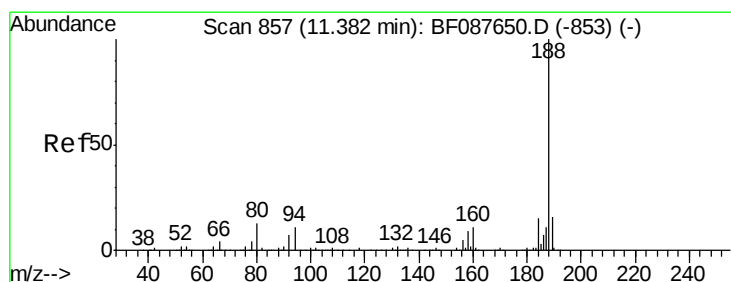
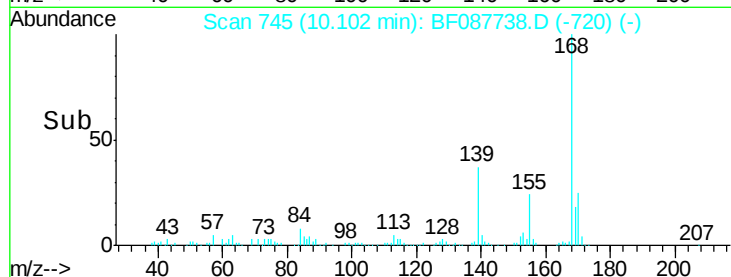
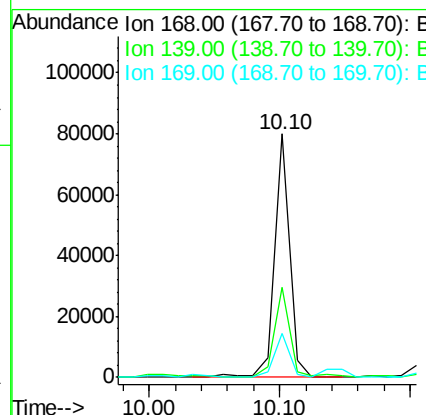
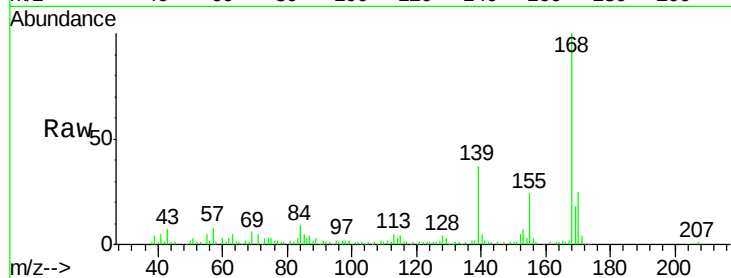
ClientSampleId :

GM-SP-(0-4)RE

Tot Ion:	168	Resp:	64543
Ion Ratio	Lower	Upper	
168	100		
139	37.0	26.4	39.6
169	17.9	10.4	15.6

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.00 ng

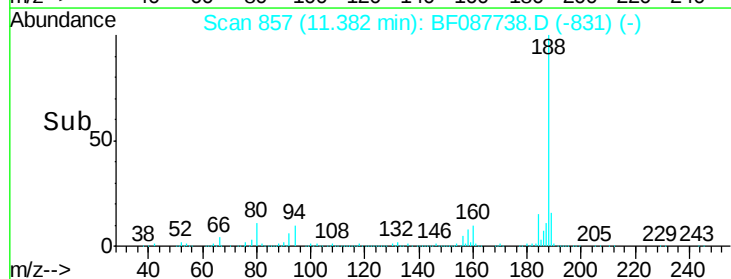
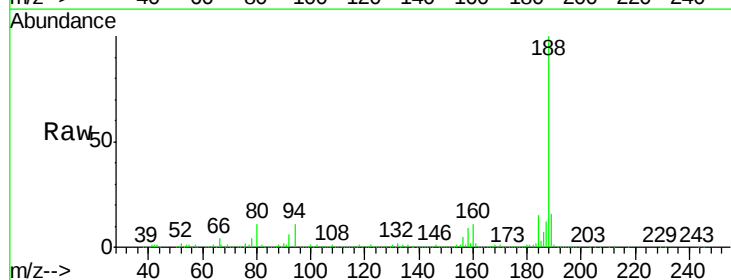
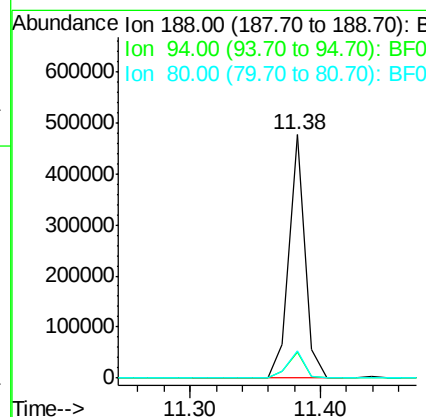
RT: 11.38 min Scan# 857

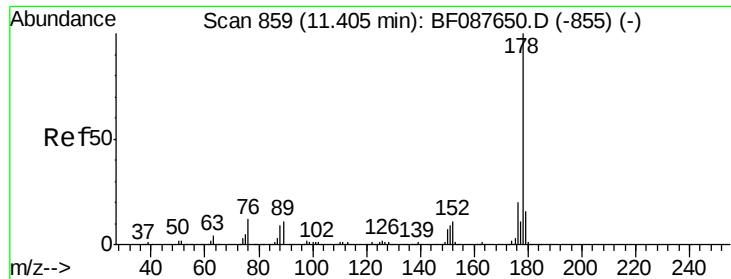
Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Tgt Ion:	188	Resp:	414040
Ion Ratio	Lower	Upper	
188	100		
94	10.6	9.0	13.6
80	11.2	10.0	15.0





#70

Phenanthrene

Concen: 17.70 ng

RT: 11.40 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

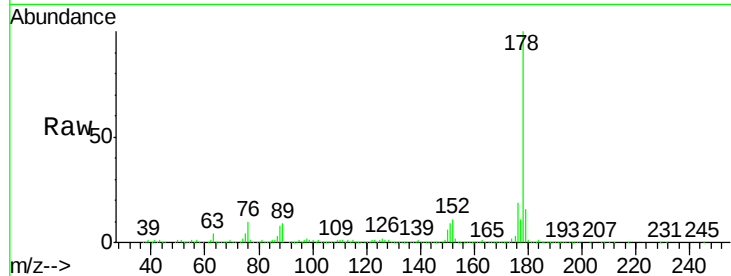
ClientSampleId :

GM-SP-(0-4)RE

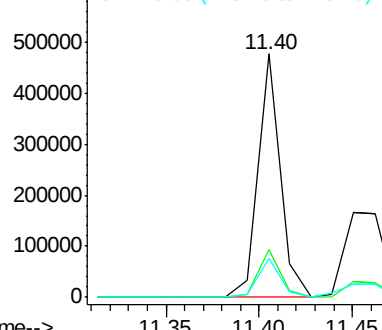
Tot Ion:178	Resp:	397378
Ion Ratio	Lower	Upper
178	100	
176	19.4	15.8 23.6
179	15.9	13.0 19.4

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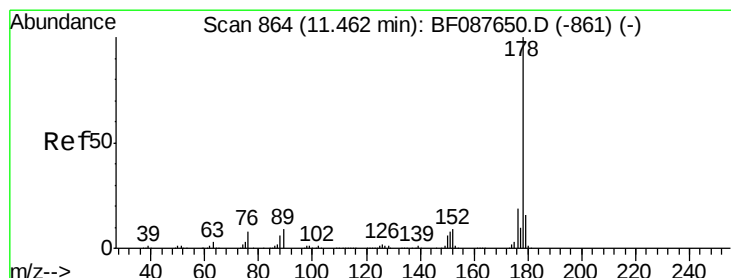
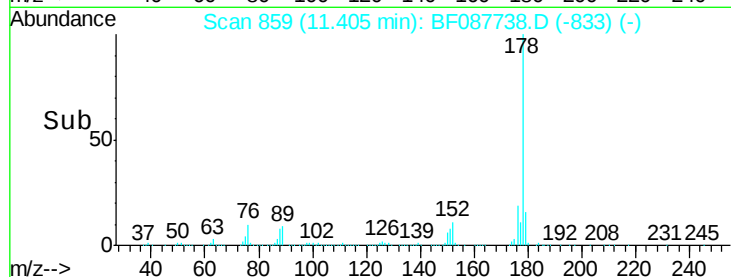
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 10.82 ng

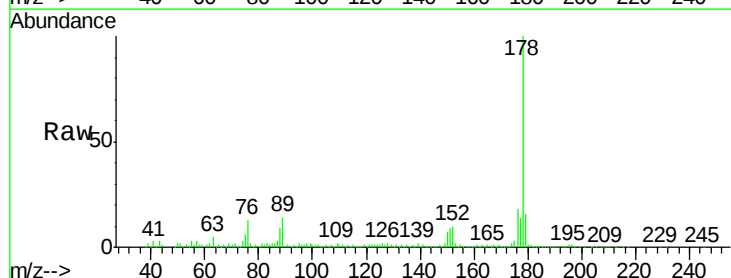
RT: 11.45 min Scan# 863

Delta R.T. -0.01 min

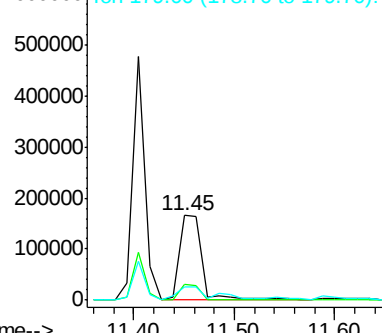
Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

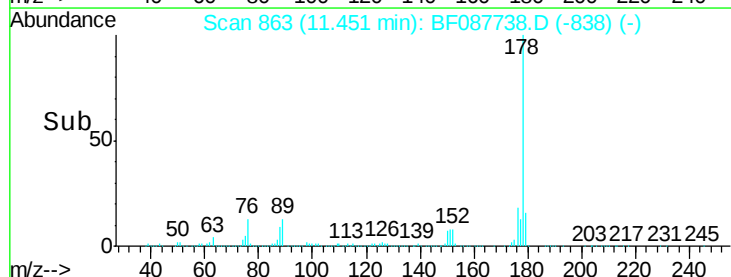
Tgt Ion:178	Resp:	243440
Ion Ratio	Lower	Upper
178	100	
176	18.4	15.6 23.4
179	16.4	12.8 19.2

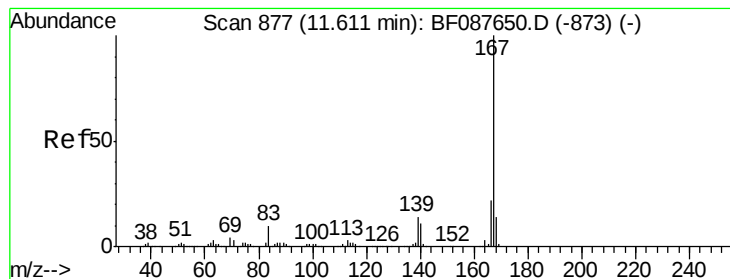


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#72

Carbazole

Concen: 3.51 ng

RT: 11.61 min Scan# 877

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

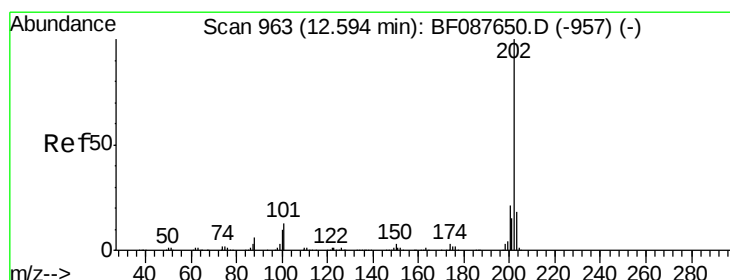
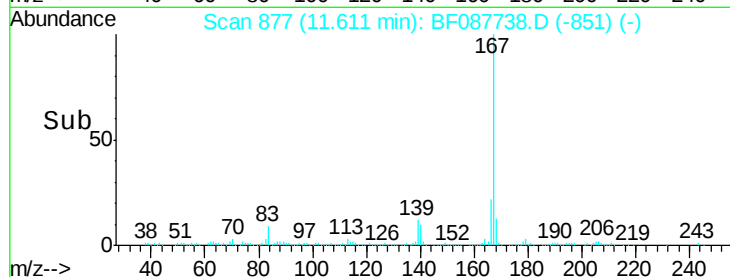
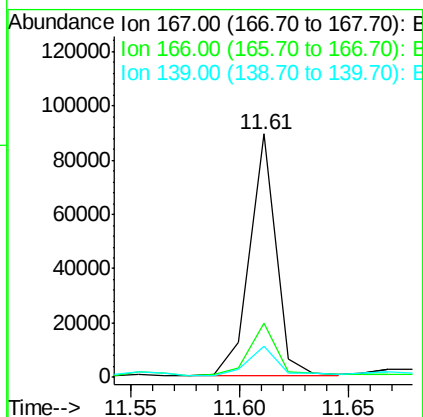
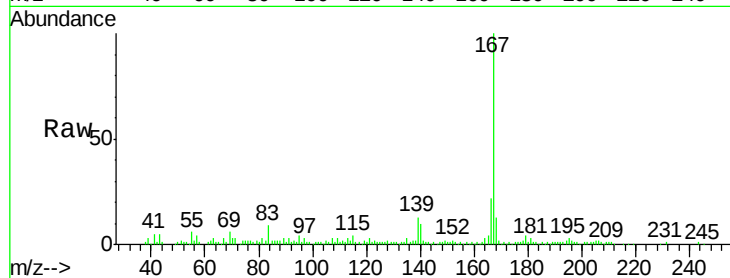
ClientSampleId :

GM-SP-(0-4)RE

Tot Ion:	167	Resp:	74804
Ion Ratio	Lower	Upper	
167	100		
166	22.1	17.8	26.6
139	12.6	11.2	16.8

Manual Integrations
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#74

Fluoranthene

Concen: 43.91 ng

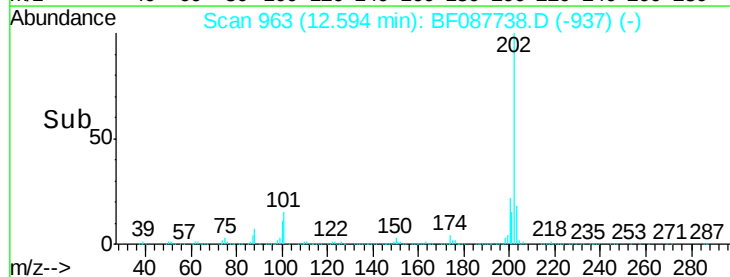
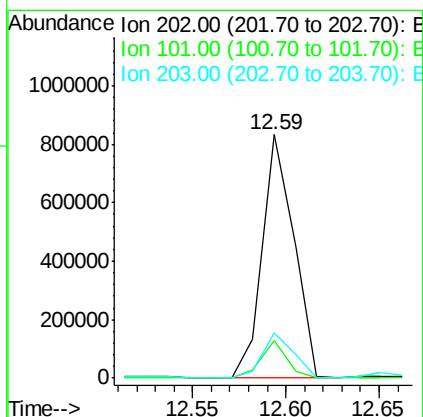
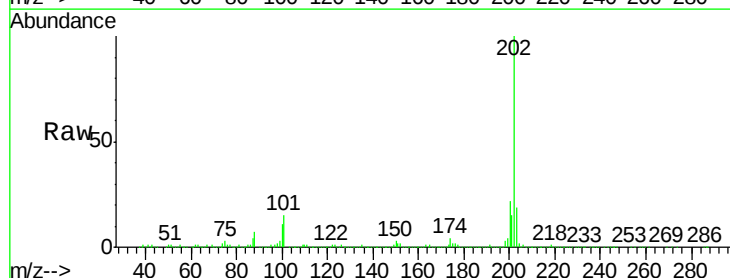
RT: 12.59 min Scan# 963

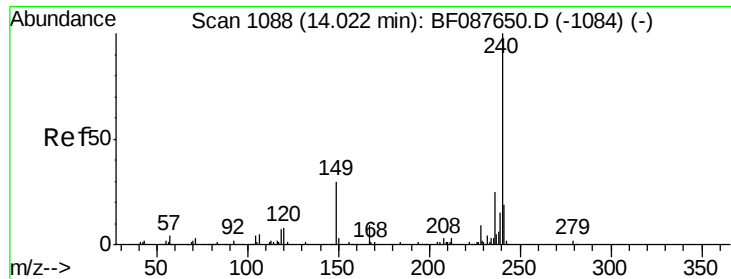
Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Tgt Ion:	202	Resp:	969918
Ion Ratio	Lower	Upper	
202	100		
101	15.2	0.0	33.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.02 min Scan# 1088

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

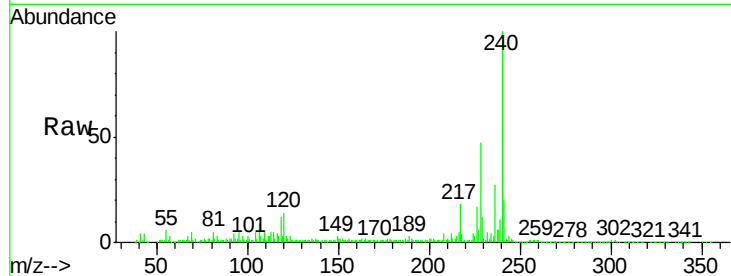
ClientSampleId :

GM-SP-(0-4)RE

Tot Ion	Ratio	Resp	Lower	Upper
240	100	295639		
120	14.1	6.8	10.2#	
236	26.6	20.2	30.2	

Manual Integrations
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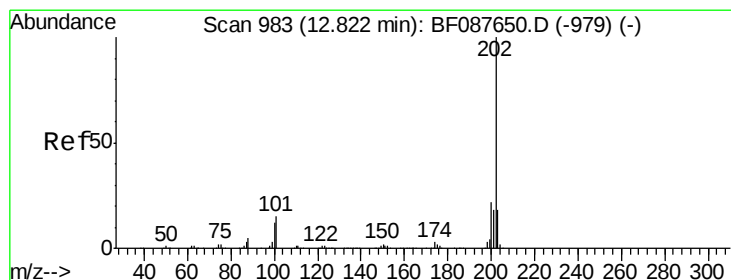
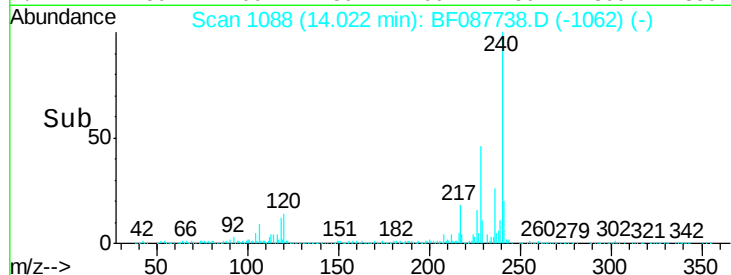
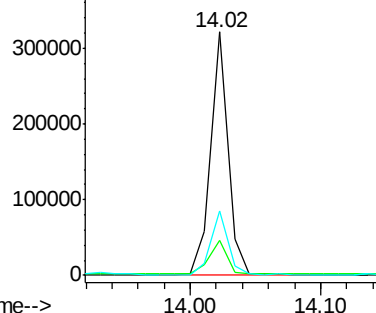
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 41.45 ng

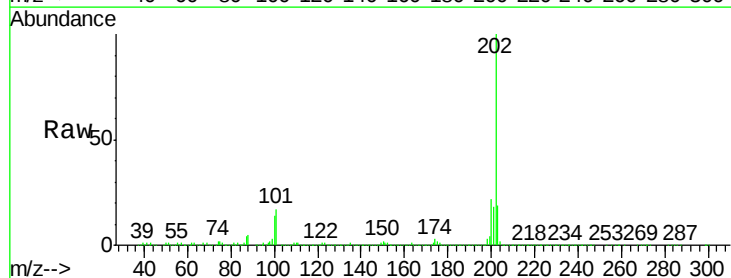
RT: 12.82 min Scan# 983

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

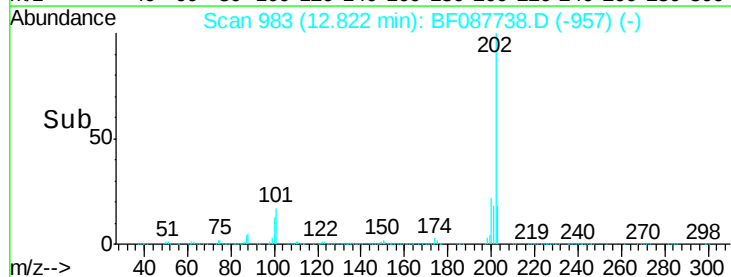
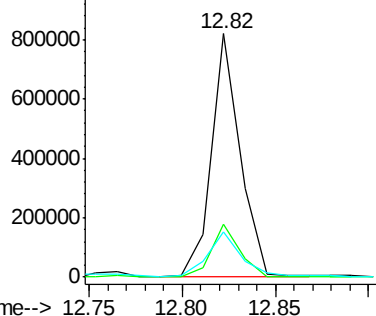
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	872521		
200	21.8	17.4	26.2	
203	18.8	14.5	21.7	

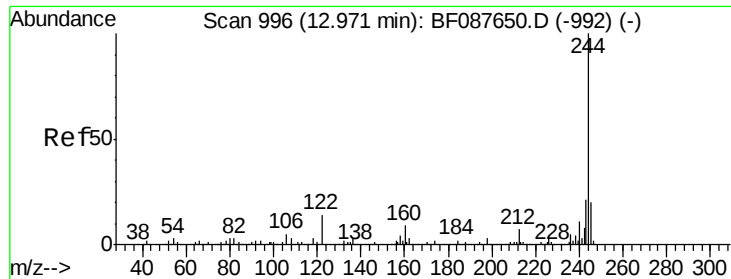


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





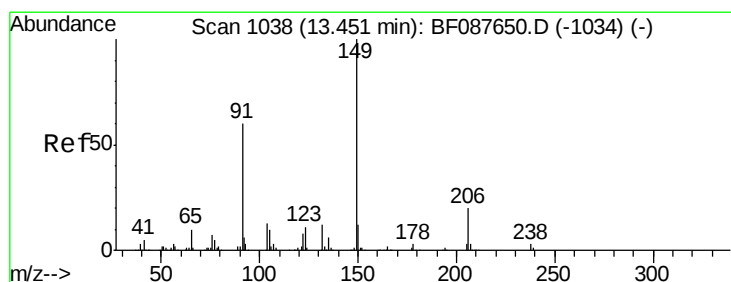
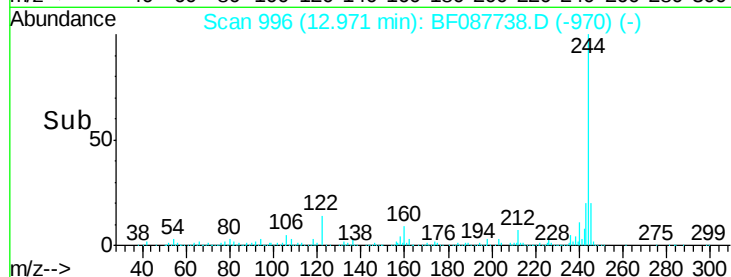
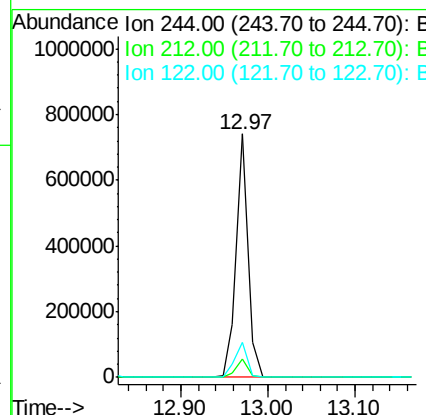
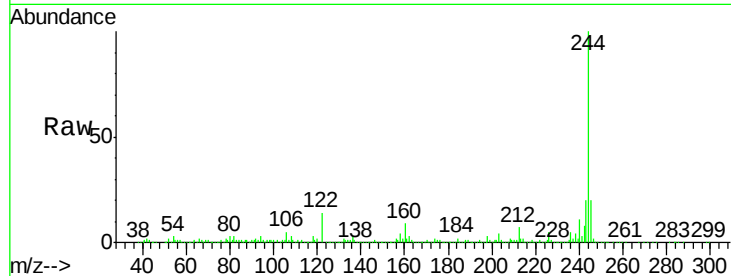
#78
 Terphenyl-d14
 Concen: 57.65 ng
 RT: 12.97 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: BF087738.D
 Acq: 6 Jun 2016 6:20

Instrument :
 BNA_F
 ClientSampled :
 GM-SP-(0-4)RE

Tot Ion	Ratio	Resp Lower	Upper
244	100		
212	7.5	6.0	9.0
122	14.3	11.2	16.8

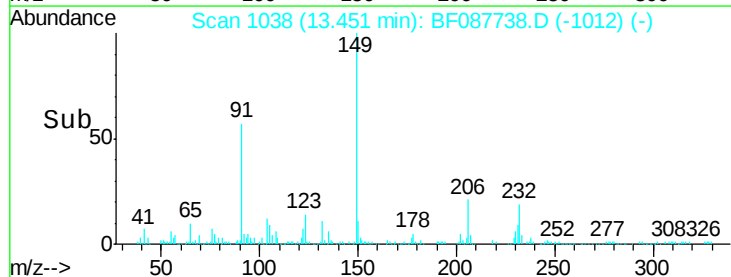
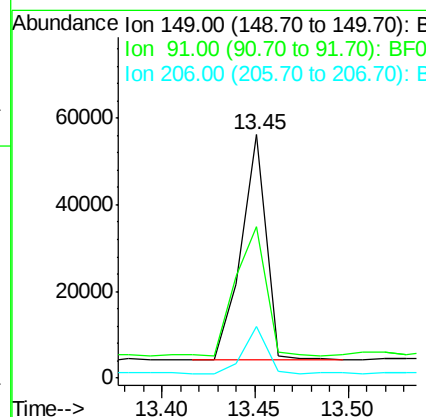
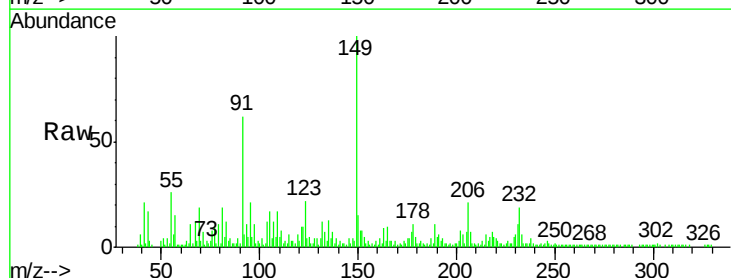
Manual Integrations
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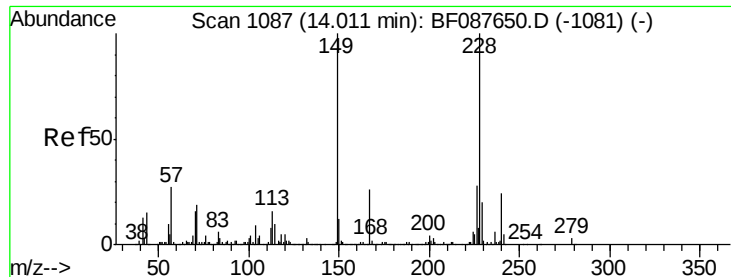
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#79
 Butylbenzylphthalate
 Concen: 5.46 ng
 RT: 13.45 min Scan# 1038
 Delta R.T. 0.00 min
 Lab File: BF087738.D
 Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Resp Lower	Upper
149	100		
91	62.1	48.0	72.0
206	21.4	16.0	24.0





#80

Benzo(a)anthracene

Concen: 35.99 ng

RT: 14.01 min Scan# 1087

Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

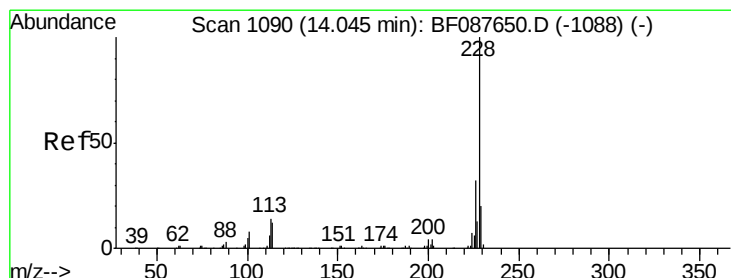
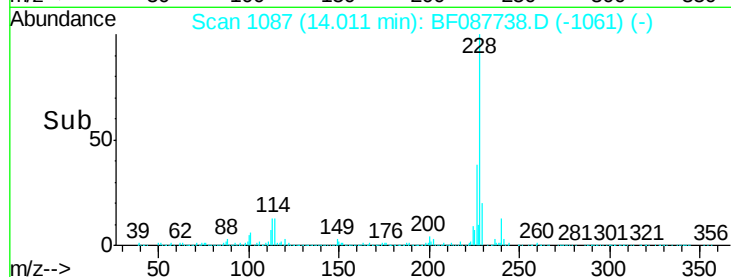
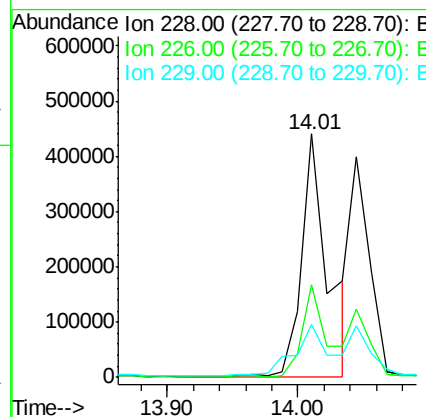
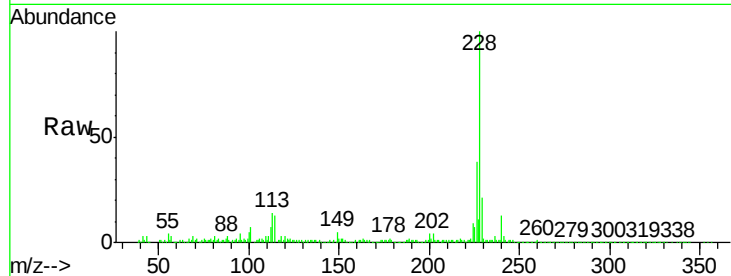
ClientSampleId :

GM-SP-(0-4)RE

Tot Ion:	228	Resp:	614062
Ion Ratio	Lower	Upper	
228	100		
226	38.3	22.3	33.5#
229	21.5	16.0	24.0

Manual Integrations
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#82

Chrysene

Concen: 24.59 ng m

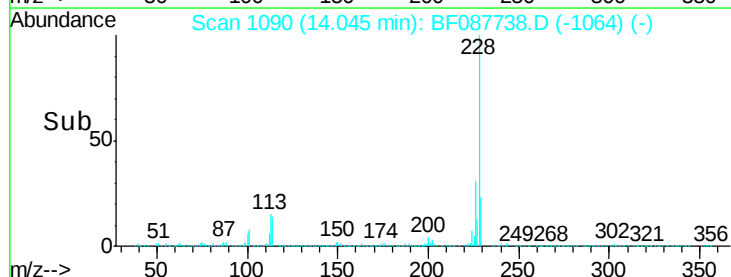
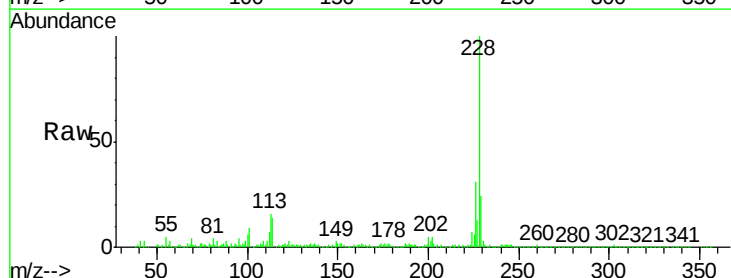
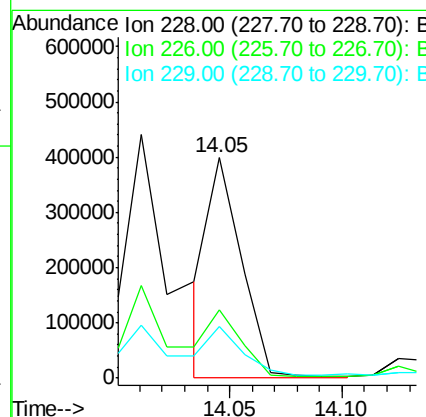
RT: 14.05 min Scan# 1090

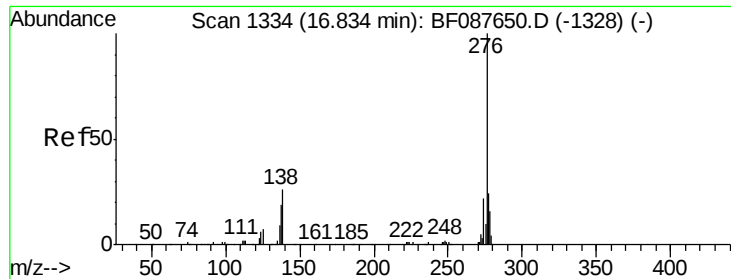
Delta R.T. -0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Tgt Ion:	228	Resp:	417594
Ion Ratio	Lower	Upper	
228	100		
226	30.9	25.4	38.2
229	23.5	16.3	24.5





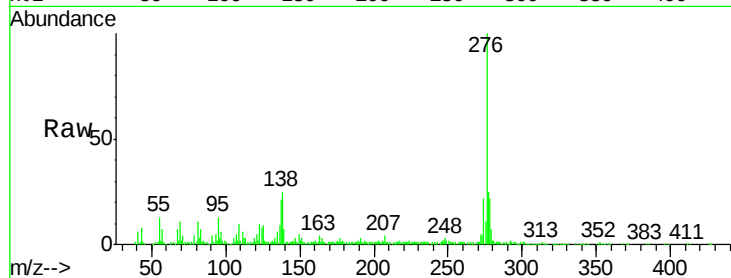
#85
Indeno(1,2,3-cd)pyrene
Concen: 19.94 ng
RT: 16.87 min Scan# 1337
Delta R.T. 0.03 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

Tot Ion	Ratio	Resp Lower	Upper
276	100		
138	23.7	0.0	0.0#
277	24.9	0.0	0.0#

Manual Integrations
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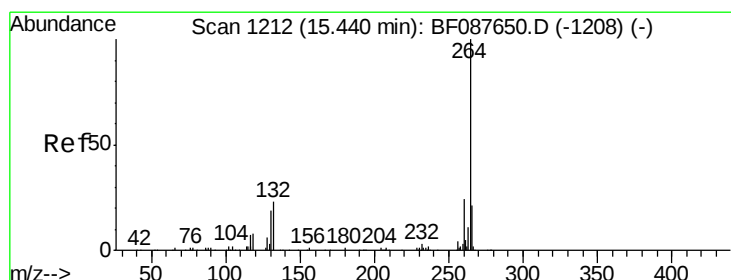
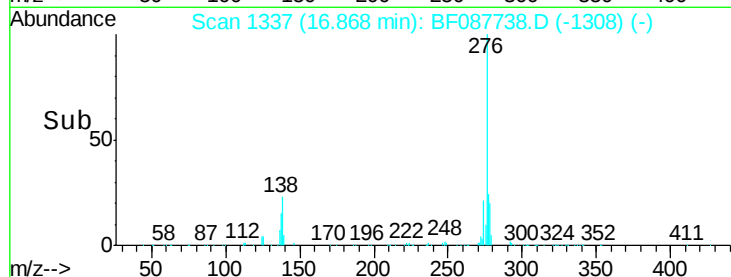
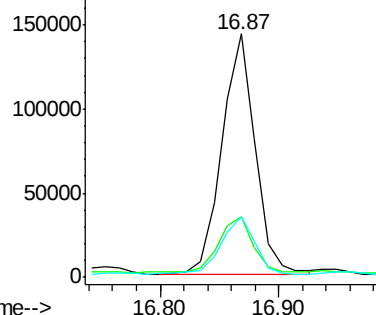


Abundance

Ion 276.00 (275.70 to 276.70): E

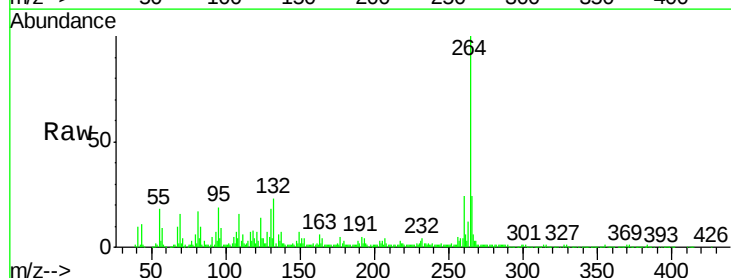
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.46 min Scan# 1214
Delta R.T. 0.02 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	24.2	19.2	28.8
265	24.1	16.9	25.3

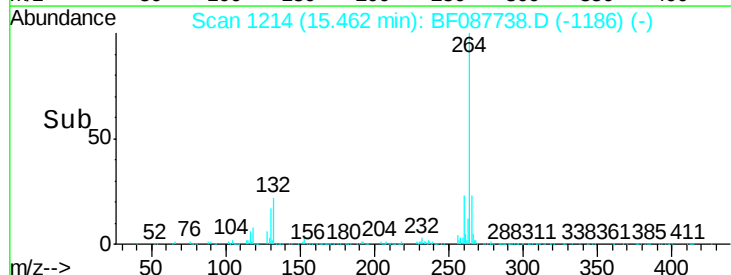
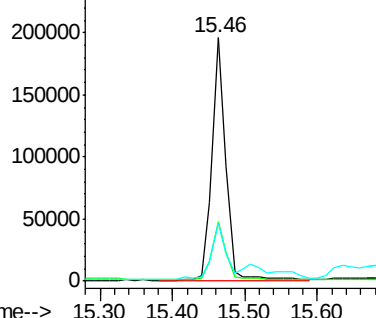


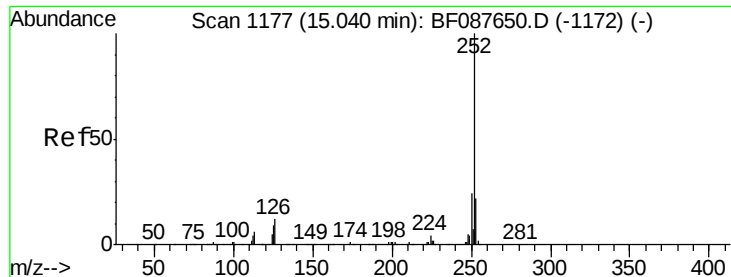
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 40.23 ng m

RT: 15.05 min Scan# 1178

Delta R.T. 0.01 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Instrument :

BNA_F

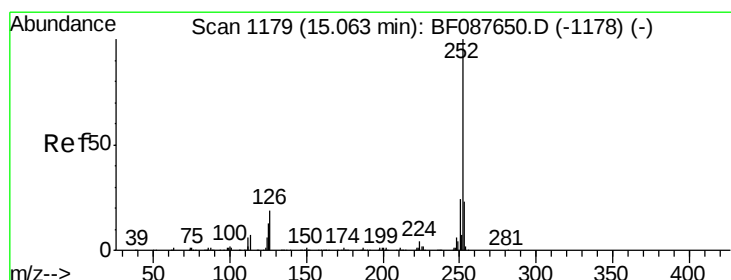
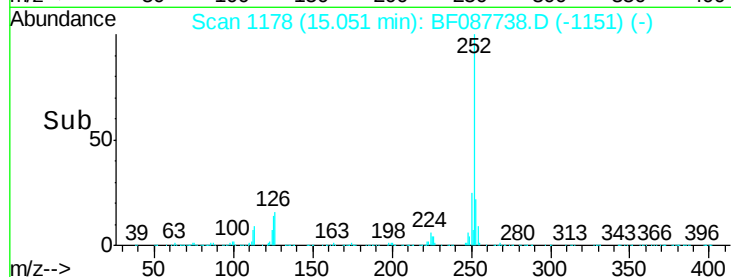
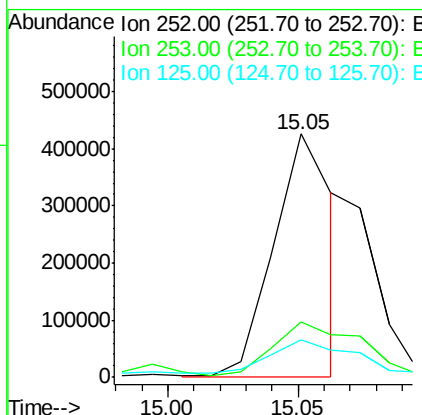
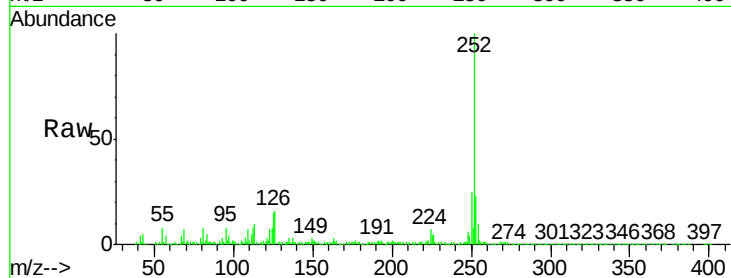
ClientSampleId :

GM-SP-(0-4)RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.4	26.2
125	15.4	7.1	10.7

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 20.01 ng m

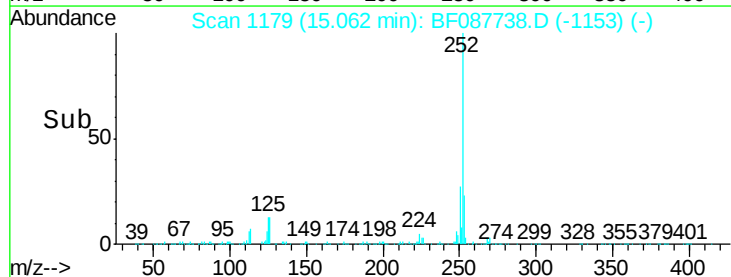
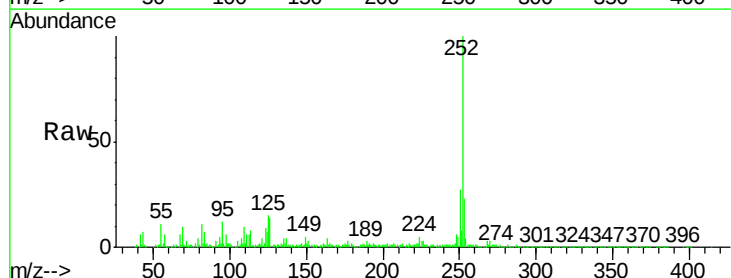
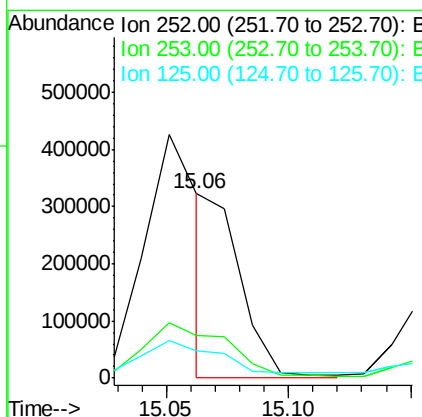
RT: 15.06 min Scan# 1179

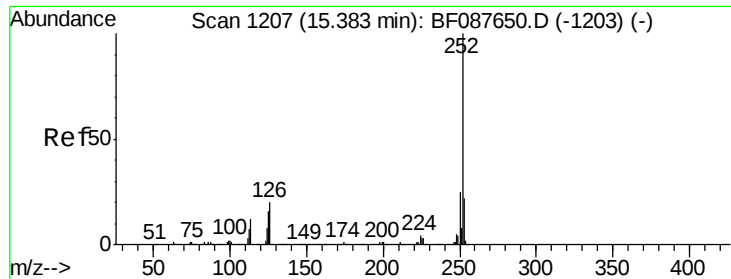
Delta R.T. 0.00 min

Lab File: BF087738.D

Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.0	27.0
125	15.0	11.2	16.8





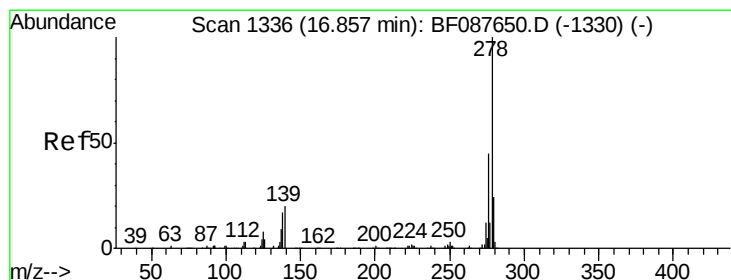
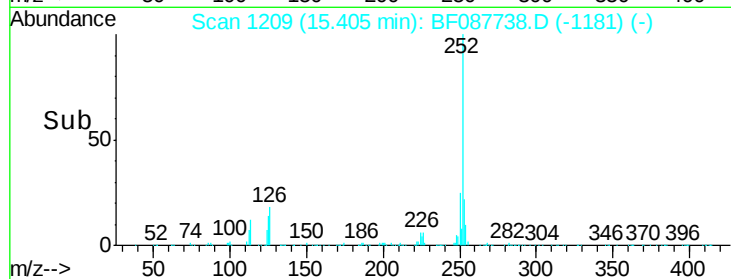
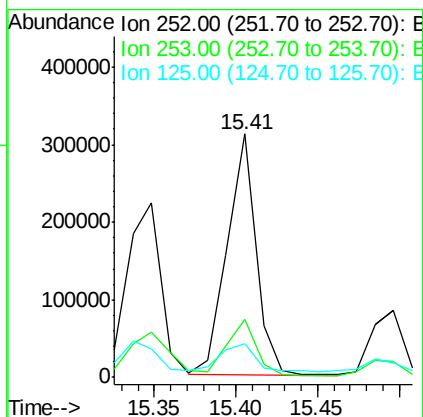
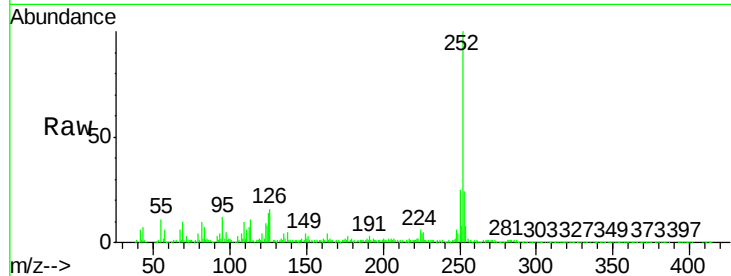
#89
Benzo(a)pyrene
Concen: 26.92 ng
RT: 15.41 min Scan# 1209
Delta R.T. 0.02 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

Tot Ion	Ratio	Resp Lower	Upper
252	100		
253	23.9	17.9	26.9
125	14.0	12.5	18.7

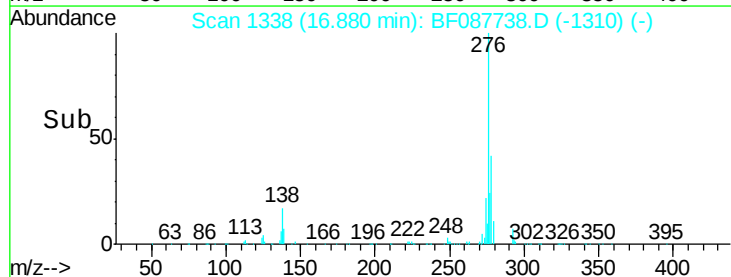
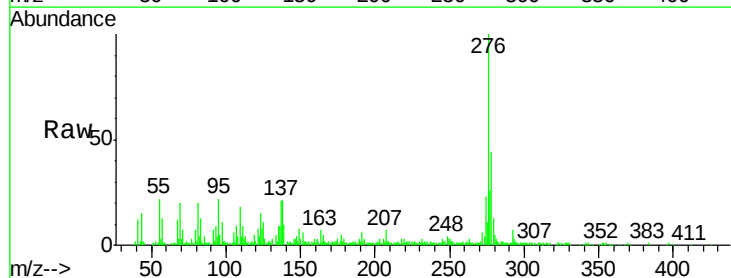
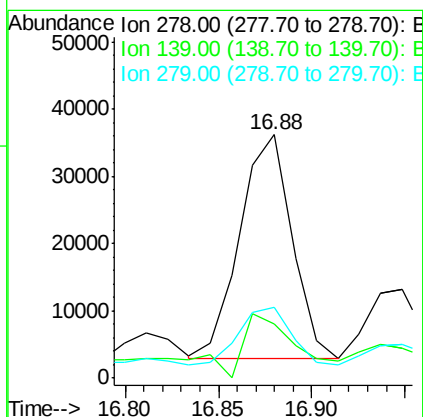
Manual Integrations
APPROVED

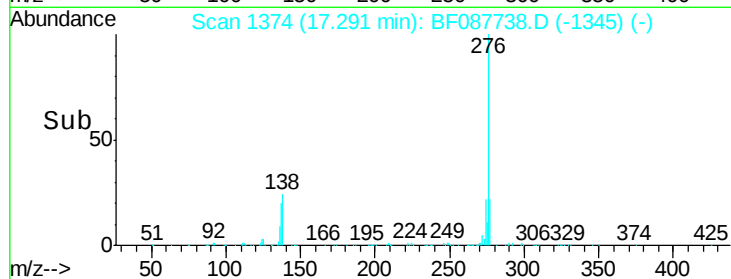
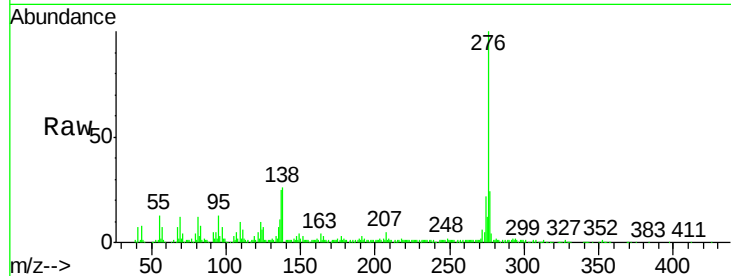
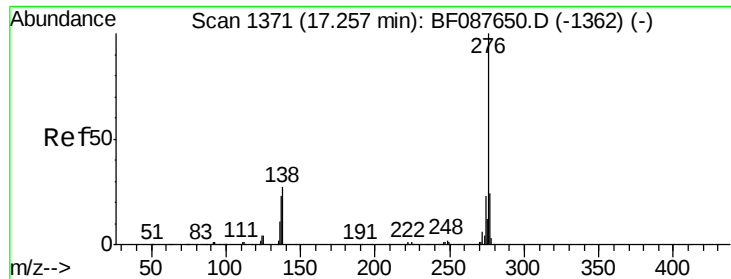
SOHIL
6/6/2016 7:25:33 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.37 ng
RT: 16.88 min Scan# 1338
Delta R.T. 0.02 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Tgt Ion	Ratio	Resp Lower	Upper
278	100		
139	22.2	15.7	23.5
279	29.3	19.4	29.2#





#91
Benzo(a,h,i)perylene
Concen: 20.73 ng
RT: 17.29 min Scan# 1374
Delta R.T. 0.03 min
Lab File: BF087738.D
Acq: 6 Jun 2016 6:20

Instrument :
BNA_F
ClientSampleId :
GM-SP-(0-4)RE

Tot Ion	Ion	Ratio	Resp	Lower	Upper
251618	276	100			
	277	23.6		18.9	28.3
	138	26.1		21.4	32.2

Manual Integrations
APPROVED

SOHIL
6/6/2016 7:25:33 PM

