

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087753.D
 Acq On : 6 Jun 2016 15:43
 Operator : UM/SJ
 Sample : H3267-19
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1275+50(0-4)

Manual Integrations
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Quant Time: Jun 06 18:15:16 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	6.84	152	123468	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	512713	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	203426	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	332079	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	249535	20.00	ng	-0.01
86) Perylene-d12	15.44	264	219008	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	635367	83.18	ng	0.00
7) Phenol-d6	6.48	99	912584	95.26	ng	-0.01
23) Nitrobenzene-d5	7.42	82	591553	66.75	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	153039	74.95	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	909446	63.41	ng	-0.02
78) Terphenyl-d14	12.96	244	629666	61.57	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.16	128	160199	6.43	ng	98
37) 2-Methylnaphthalene	8.84	142	88413m	5.37	ng	
48) Acenaphthylene	9.75	152	248987	12.15	ng	99
49) Dimethylphthalate	9.61	163	296266	20.03	ng	99
54) Dibenzofuran	10.09	168	67489	3.76	ng	# 89
57) Fluorene	10.43	166	41478	2.96	ng	# 91
70) Phenanthrene	11.39	178	494530	27.47	ng	99
71) Anthracene	11.44	178	229740	12.73	ng	98
72) Carbazole	11.60	167	78609	4.60	ng	98
74) Fluoranthene	12.58	202	991484	55.96	ng	97
77) Pyrene	12.81	202	921188	51.84	ng	99
80) Benzo(a)anthracene	14.00	228	605733	42.06	ng	# 90
82) Chrysene	14.03	228	590462m	41.19	ng	
83) Bis(2-ethylhexyl)phthalate	14.00	149	18710	2.08	ng	# 94
85) Indeno(1,2,3-cd)pyrene	16.82	276	277184	23.39	ng	# 100
87) Benzo(b)fluoranthene	15.03	252	876441m	61.52	ng	
88) Benzo(k)fluoranthene	15.05	252	144745m	12.21	ng	
89) Benzo(a)pyrene	15.38	252	439787m	36.72	ng	
90) Dibenzo(a,h)anthracene	16.83	278	68718	6.74	ng	93
91) Benzo(a,h,i)perylene	17.25	276	243501	23.68	ng	98

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

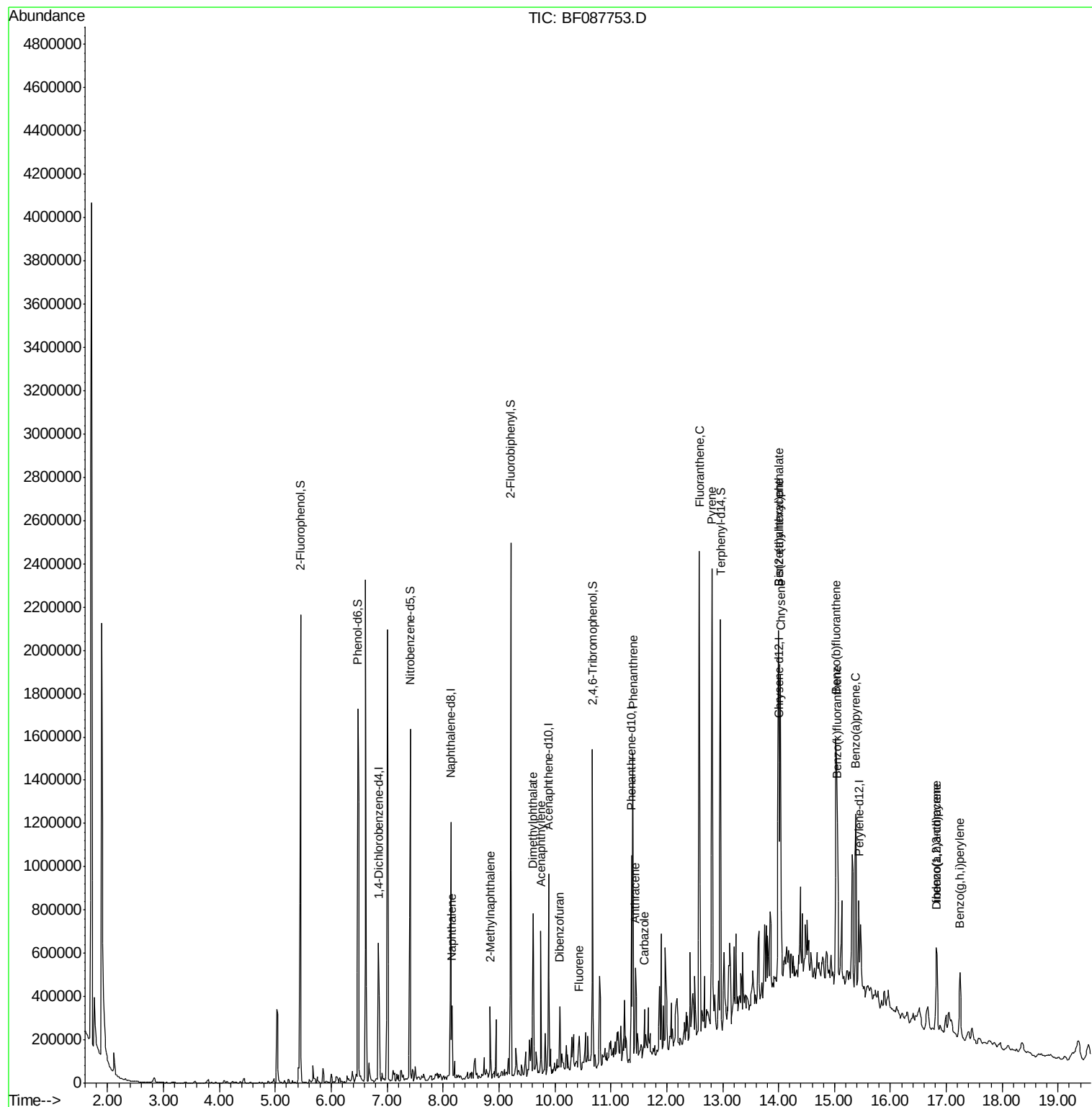
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
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ALS Vial : 11 Sample Multiplier: 1

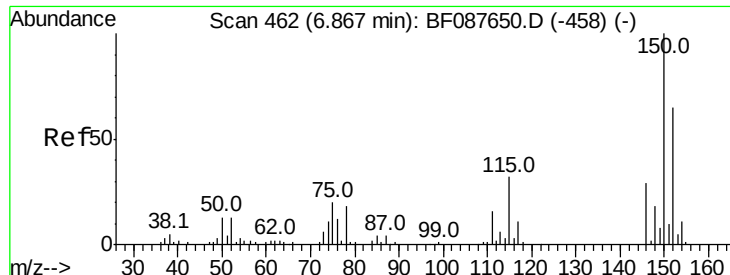
Instrument :
BNA_F
ClientSampleId :
STA-TA-1275+50(0-4)

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Quant Time: Jun 06 18:15:16 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060416.M
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#1

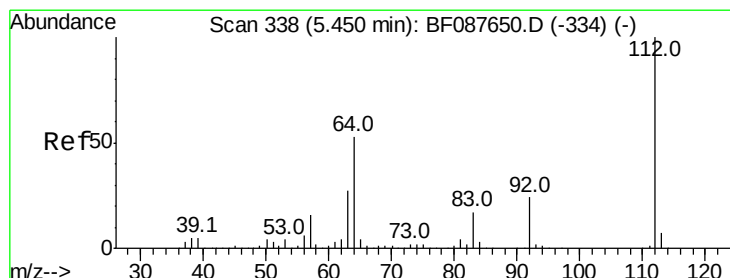
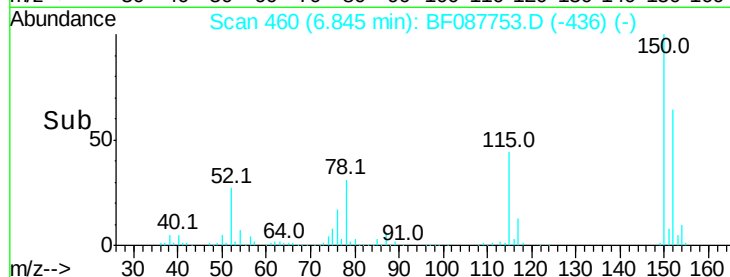
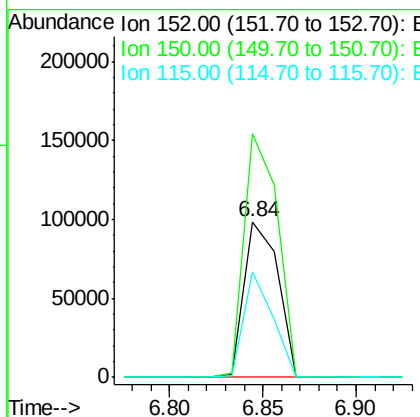
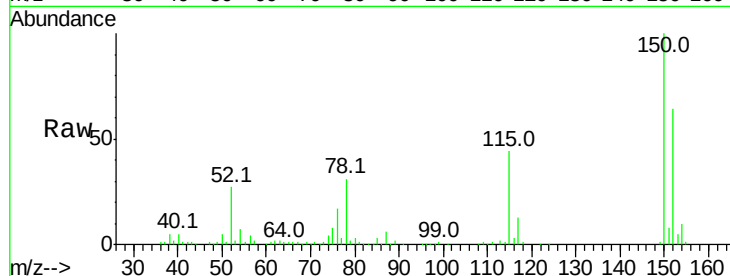
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.84 min Scan# 460
Delta R.T. -0.02 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Instrument :
BNA_F
ClientSampleId :
STA-TA-1275+50(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.8	185.6
115	68.1	39.6	59.4

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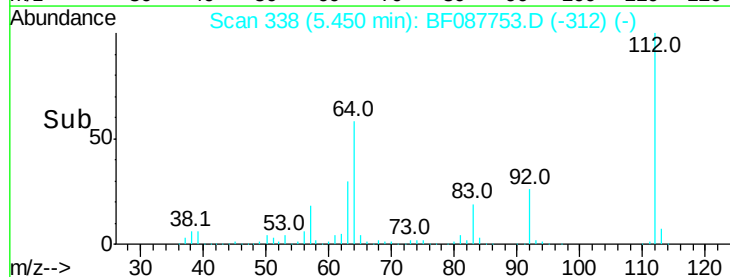
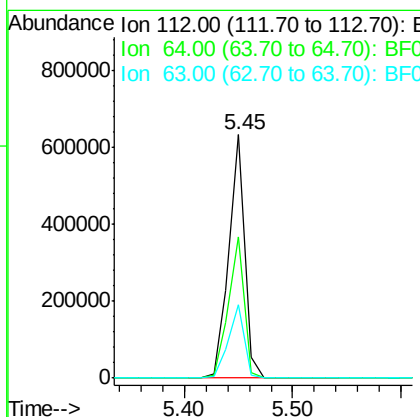
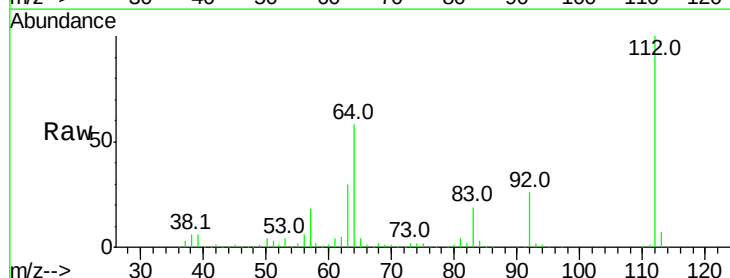
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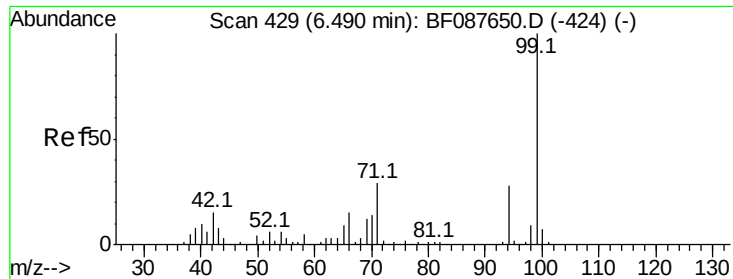


#5

2-Fluorophenol
Concen: 83.18 ng
RT: 5.45 min Scan# 338
Delta R.T. 0.00 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.8	42.2	63.2
63	30.1	21.8	32.8





#7

Phenol-d6

Concen: 95.26 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Instrument :

BNA_F

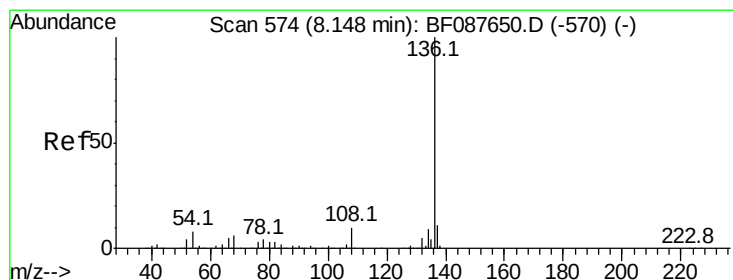
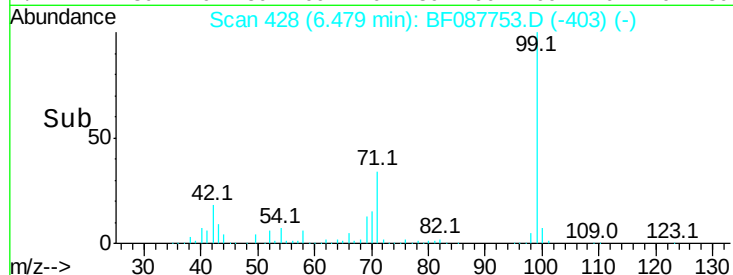
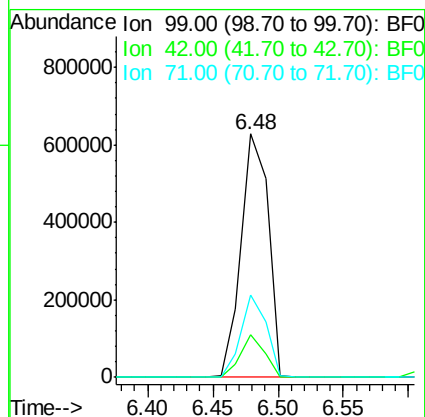
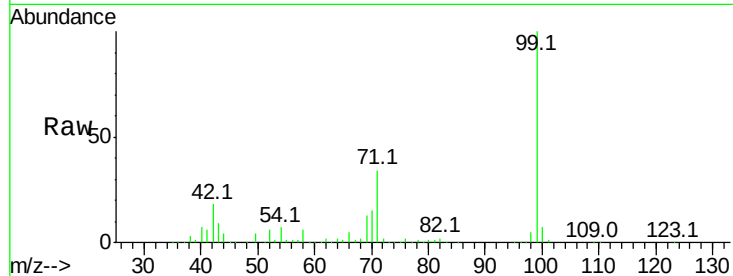
ClientSampleId :

STA-TA-1275+50(0-4)

Tot Ion:	99	Resp:	912584
Ion Ratio	Lower	Upper	
99	100		
42	17.8	12.2	18.2
71	33.7	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

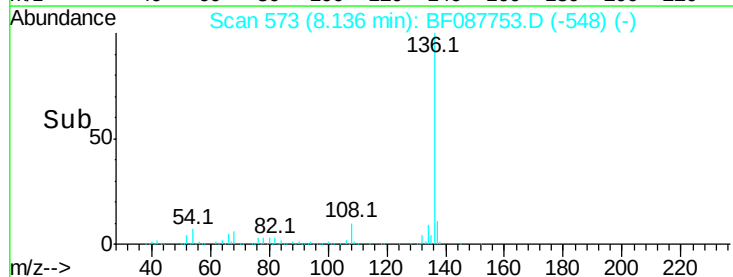
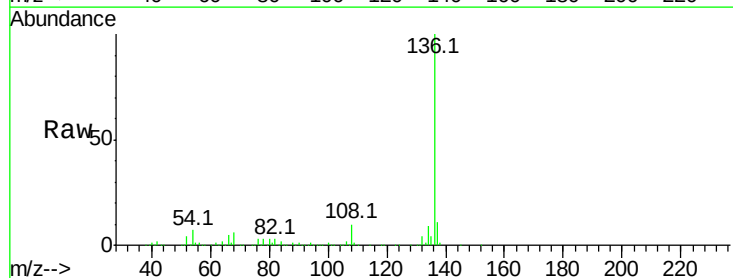
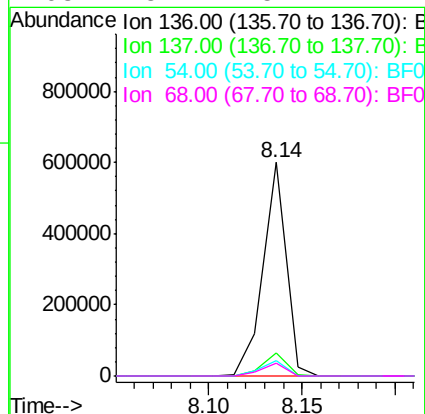
RT: 8.14 min Scan# 573

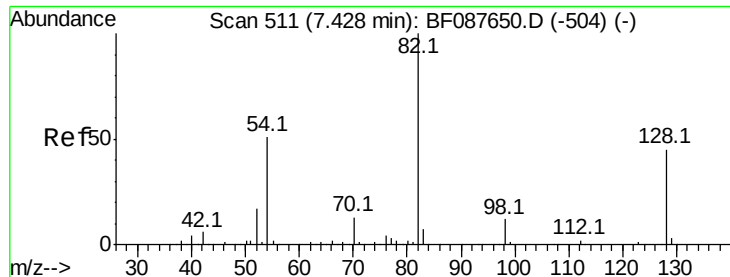
Delta R.T. -0.01 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Tgt Ion:	136	Resp:	512713
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	7.1	6.6	10.0
68	5.7	5.1	7.7





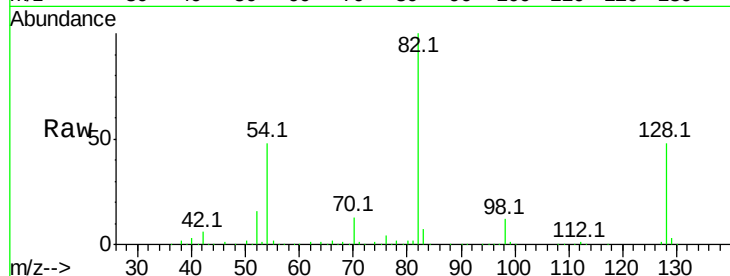
#23
 Nitrobenzene-d5
 Concen: 66.75 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1275+50(0-4)

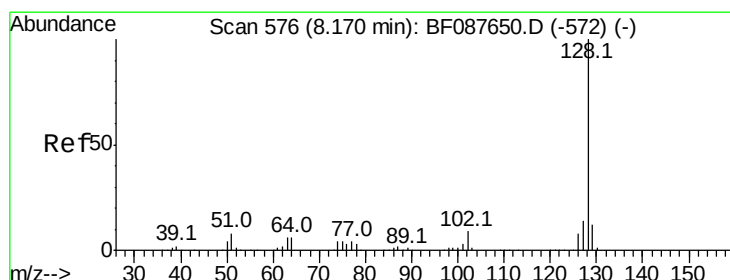
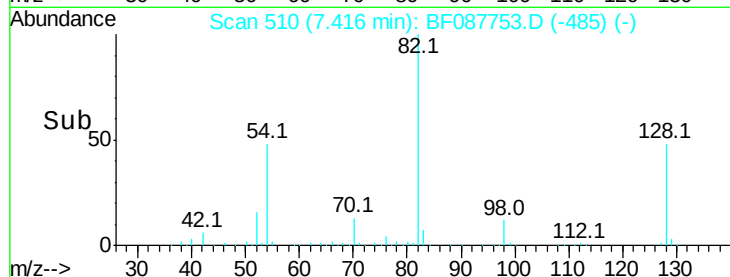
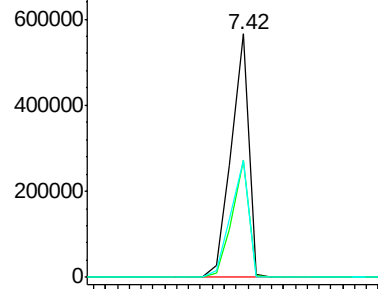
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	48.1	35.9	53.9	
54	47.9	40.9	61.3	

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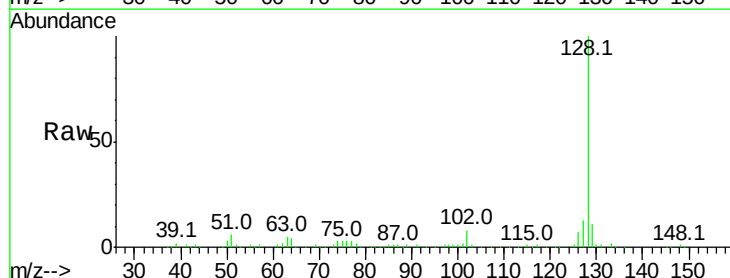


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

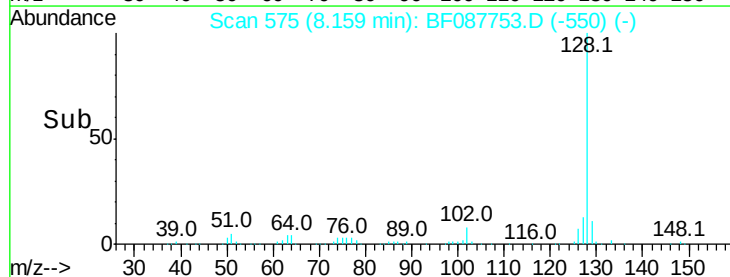
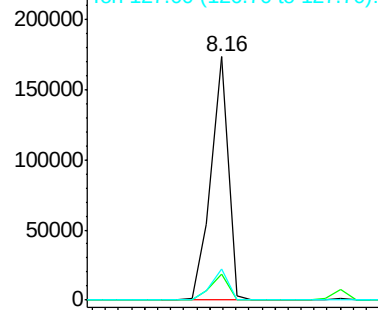


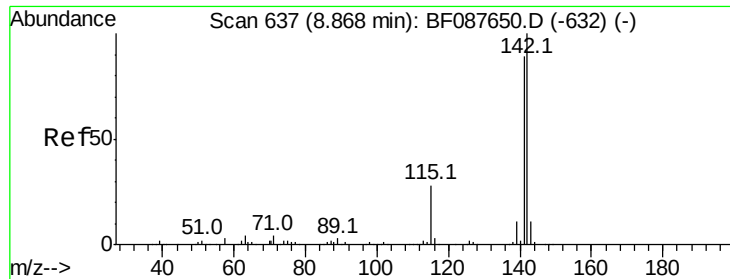
#31
 Naphthalene
 Concen: 6.43 ng
 RT: 8.16 min Scan# 575
 Delta R.T. -0.01 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
128	100			
129	10.7	9.4	14.2	
127	12.8	10.9	16.3	



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





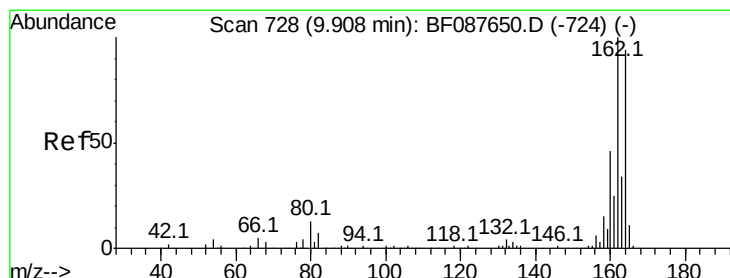
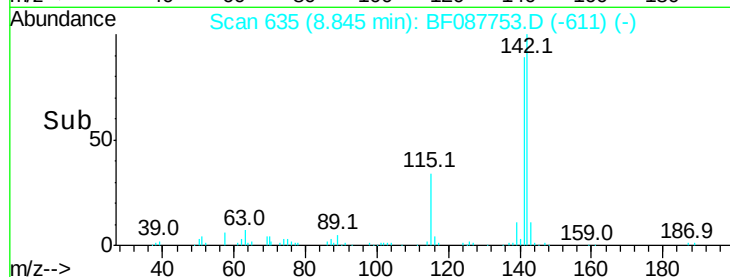
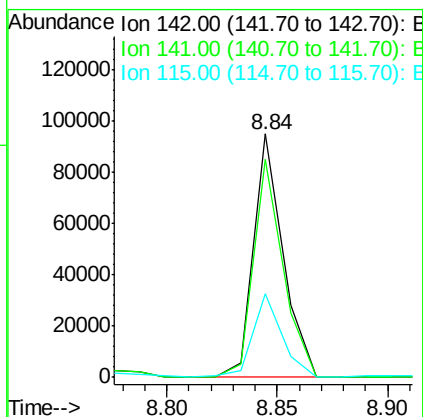
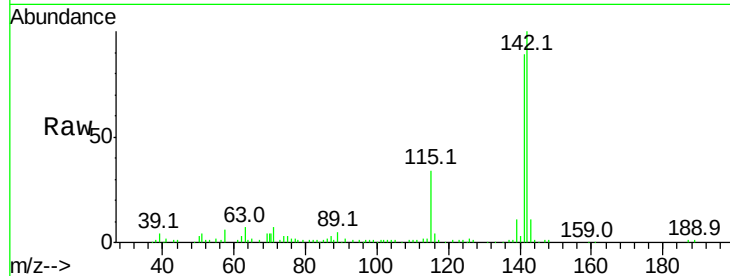
#37
2-Methylnaphthalene
Concen: 5.37 ng
RT: 8.84 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Instrument :
BNA_F
ClientSampleId :
STA-TA-1275+50(0-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.3	71.0	106.6
115	34.2	22.6	33.8

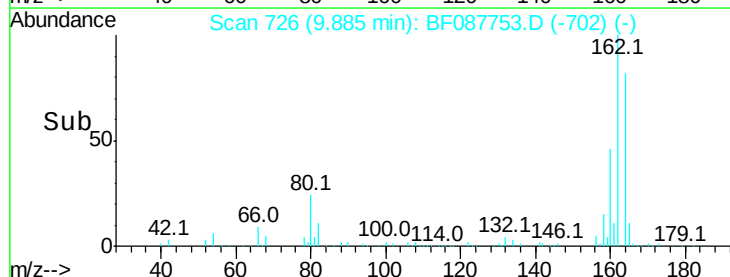
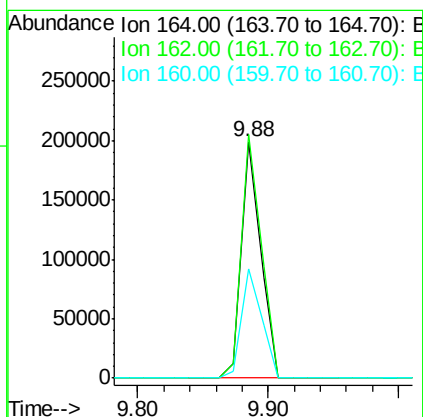
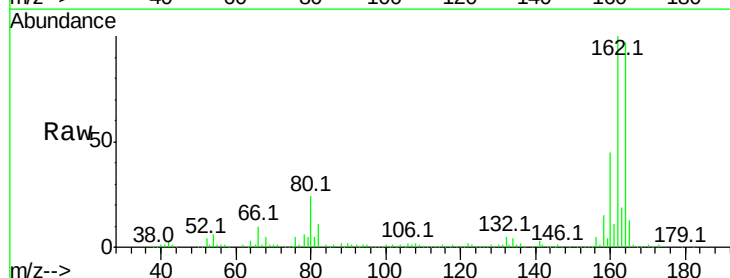
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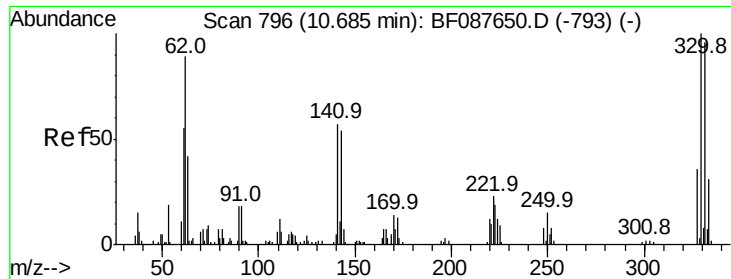
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.2	85.4	128.2
160	46.5	39.5	59.3





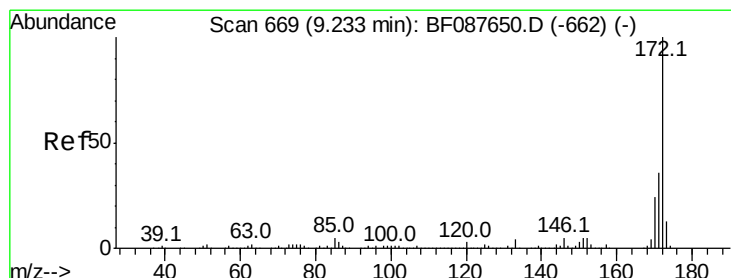
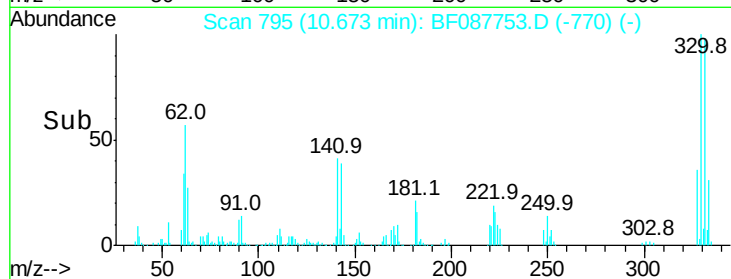
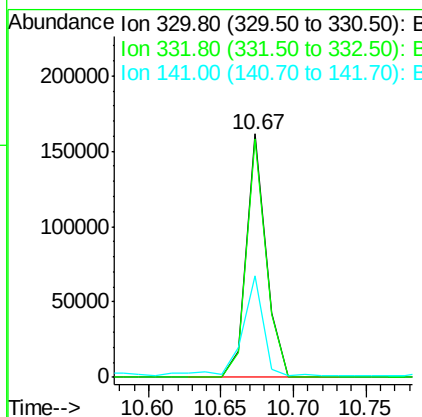
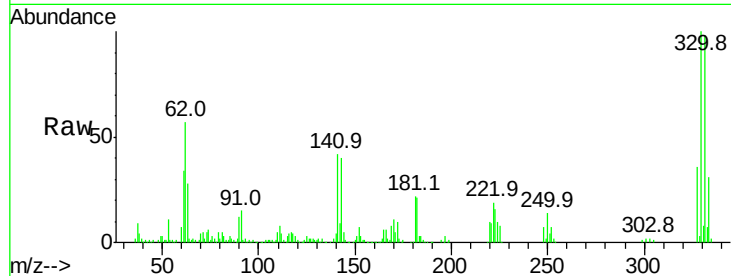
#41
 2,4,6-Tribromophenol
 Concen: 74.95 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1275+50(0-4)

Tot Ion	Ratio	Resp Lower	Resp Upper
330	100		
332	97.6	0.0	0.0#
141	44.5	0.0	0.0#

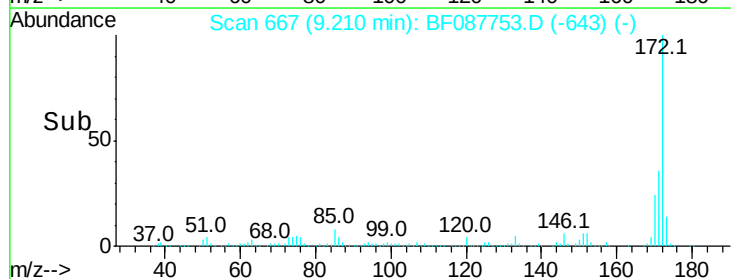
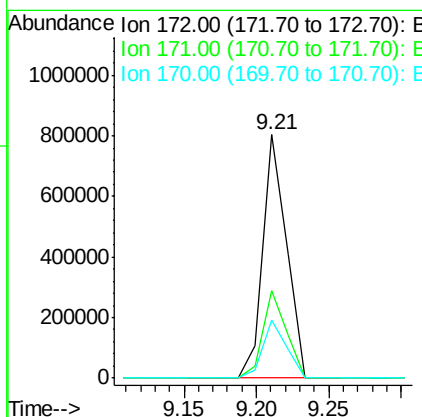
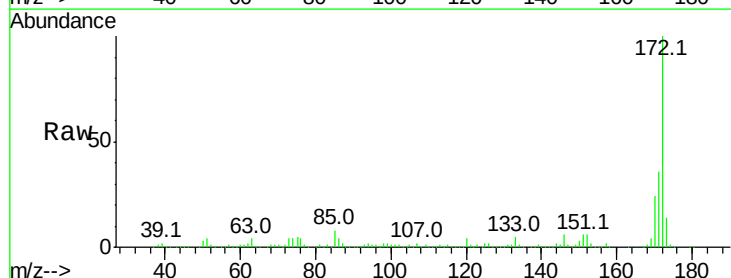
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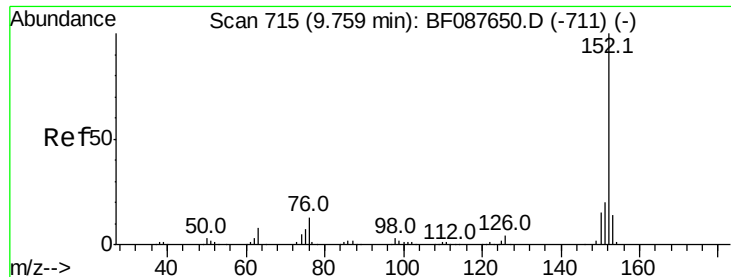
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#44
 2-Fluorobiphenyl
 Concen: 63.41 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
172	100		
171	35.8	28.6	43.0
170	24.1	19.2	28.8





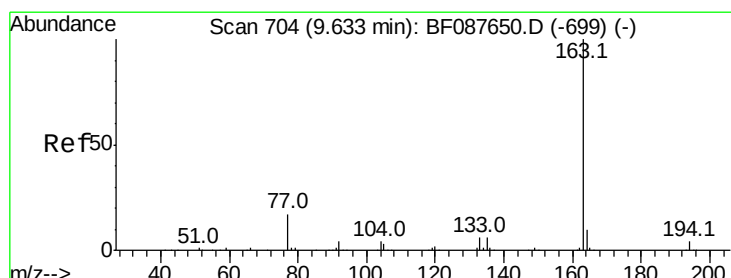
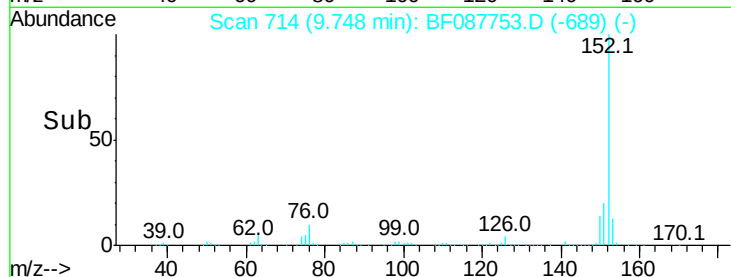
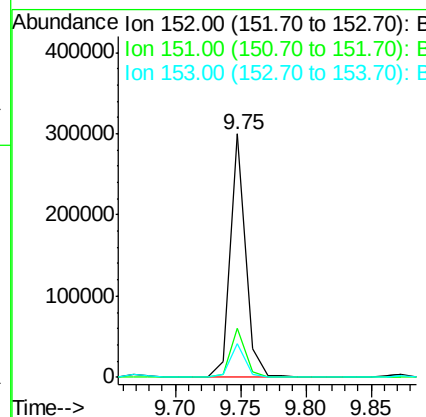
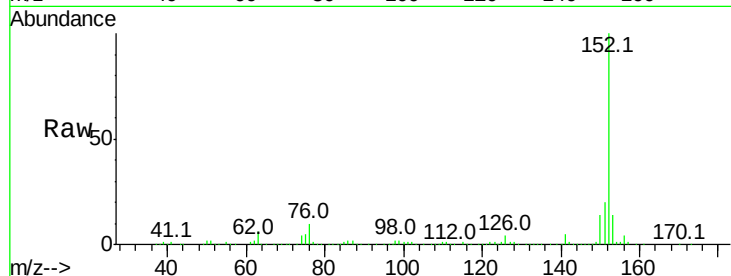
#48
Acenaphthylene
Concen: 12.15 ng
RT: 9.75 min Scan# 714
Delta R.T. -0.01 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Instrument :
BNA_F
ClientSampleId :
STA-TA-1275+50(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
152	100	248987		
151	19.9	16.2	24.4	
153	13.7	11.0	16.6	

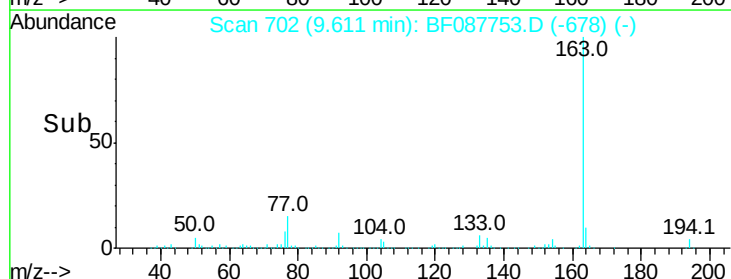
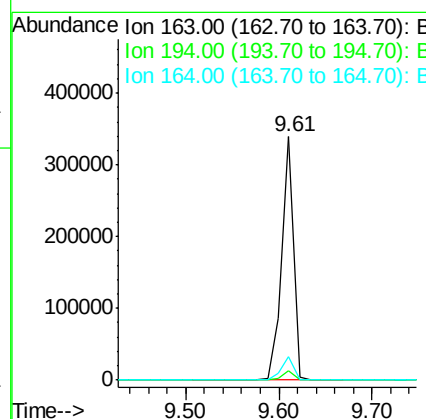
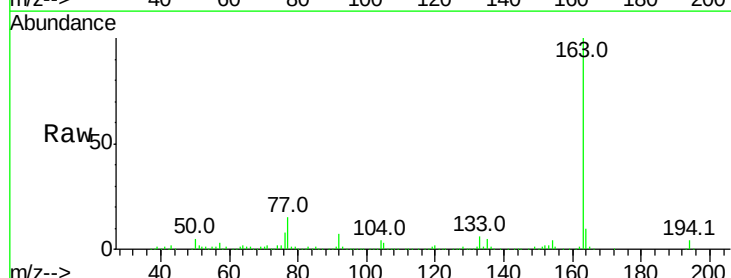
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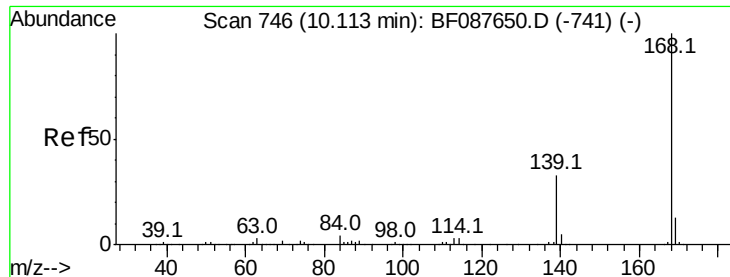
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#49
Dimethylphthalate
Concen: 20.03 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	296266		
194	3.6	2.8	4.2	
164	9.9	8.3	12.5	





#54

Dibenzenofuran

Concen: 3.76 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Instrument :

BNA_F

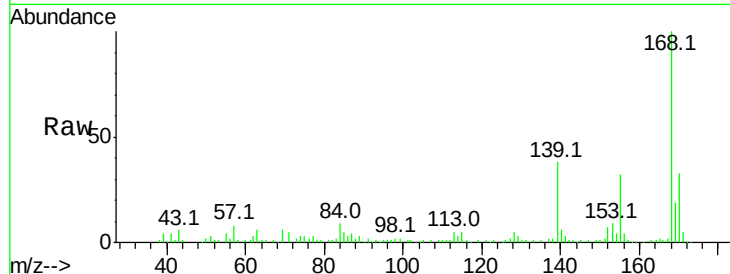
ClientSampleId :

STA-TA-1275+50(0-4)

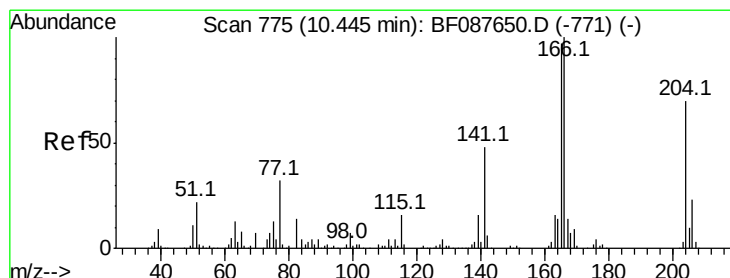
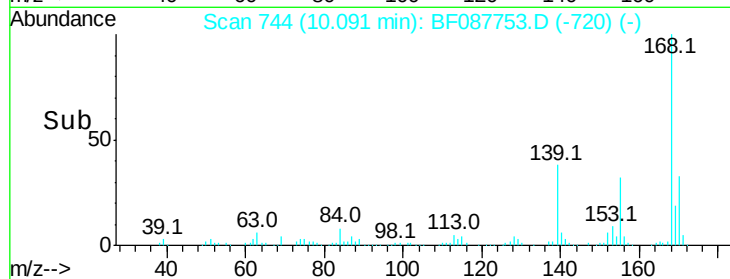
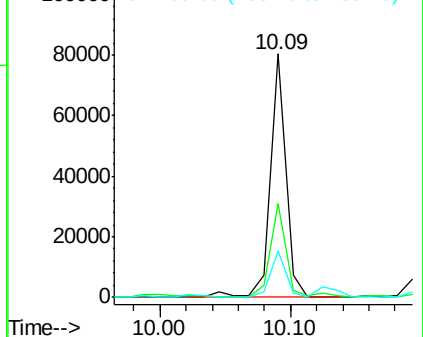
Tot Ion:	168	Resp:	67489
Ion Ratio	Lower	Upper	
168	100		
139	38.3	26.4	39.6
169	19.3	10.4	15.6#

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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: 2.96 ng

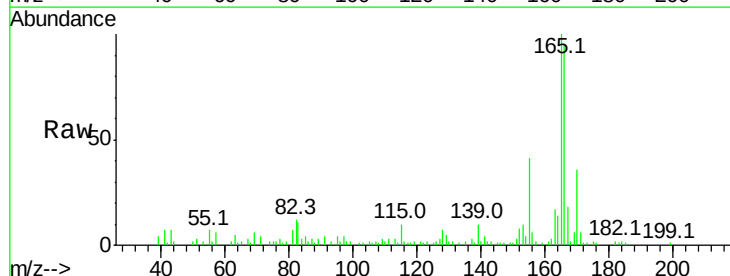
RT: 10.43 min Scan# 774

Delta R.T. -0.01 min

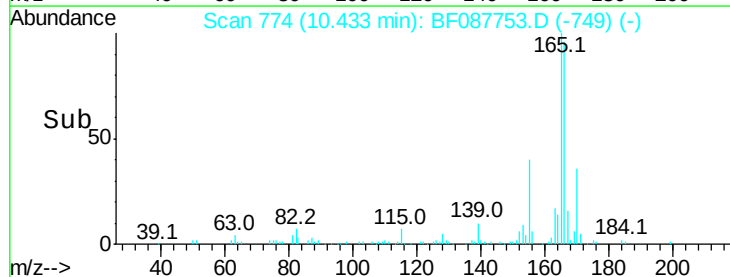
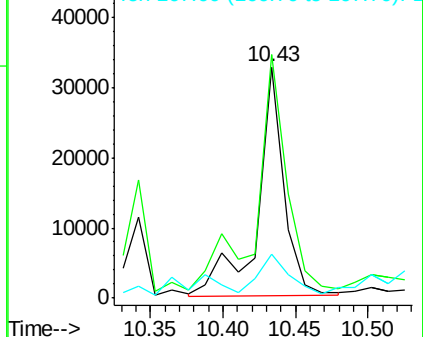
Lab File: BF087753.D

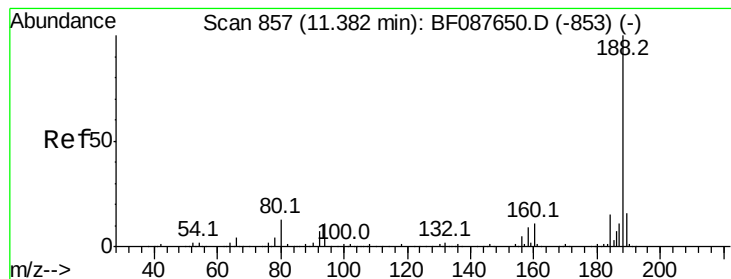
Acq: 6 Jun 2016 15:43

Tgt Ion:	166	Resp:	41478
Ion Ratio	Lower	Upper	
166	100		
165	105.2	77.8	116.8
167	19.0	11.2	16.8#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Instrument :

BNA_F

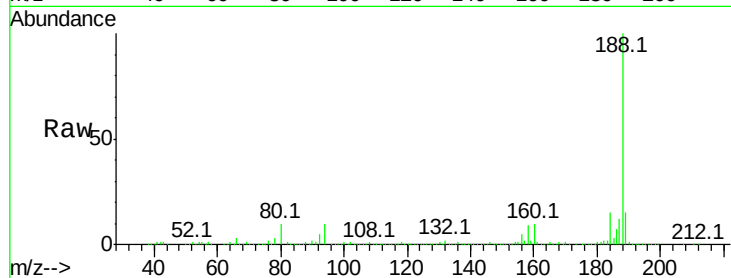
ClientSampleId :

STA-TA-1275+50(0-4)

Tot Ion:	188	Resp:	332079
Ion Ratio	Lower	Upper	
188	100		
94	10.0	9.0	13.6
80	10.0	10.0	15.0

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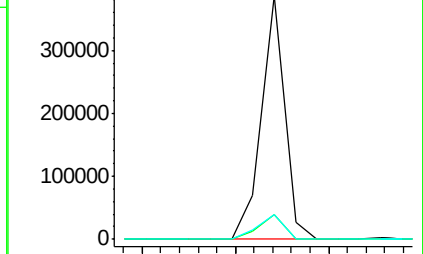
umangi
6/7/2016 3:22:21 PM



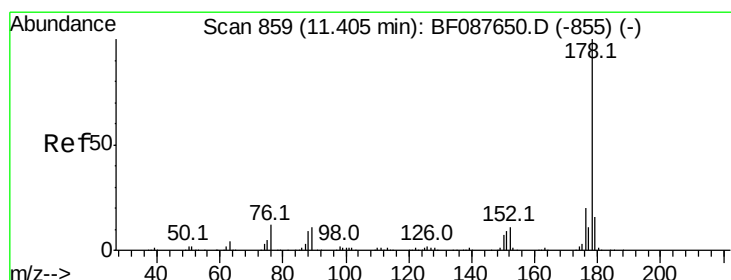
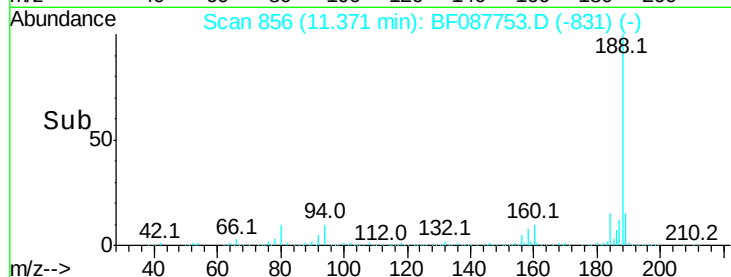
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



Time-->



#70

Phenanthrene

Concen: 27.47 ng

RT: 11.39 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF087753.D

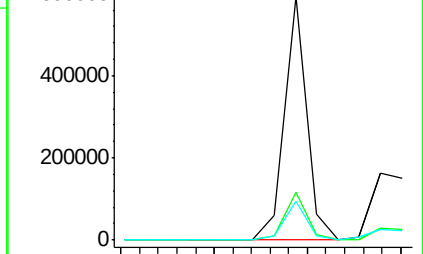
Acq: 6 Jun 2016 15:43

Tgt Ion:	178	Resp:	494530
Ion Ratio	Lower	Upper	
178	100		
176	19.4	15.8	23.6
179	16.0	13.0	19.4

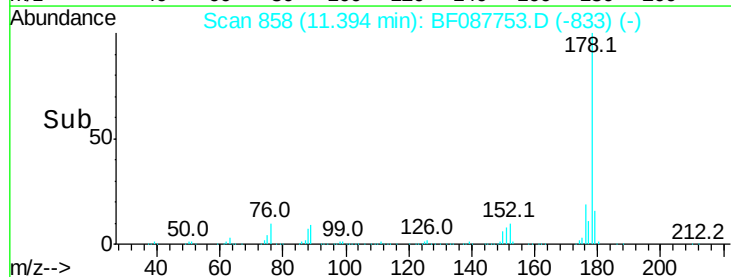
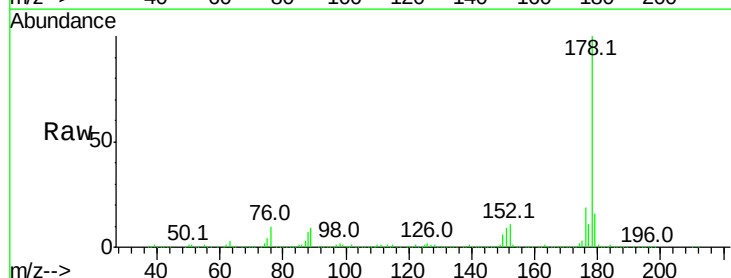
Abundance Ion 178.00 (177.70 to 178.70): E

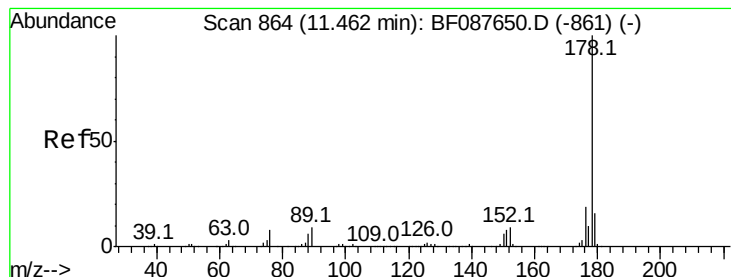
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





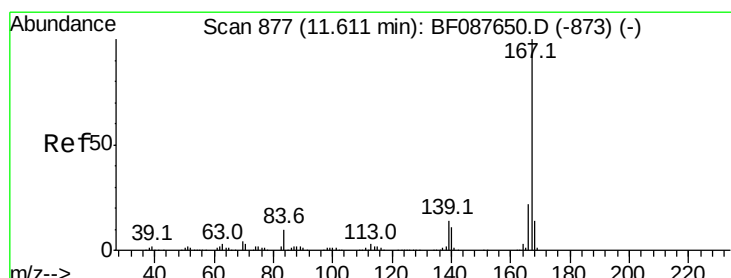
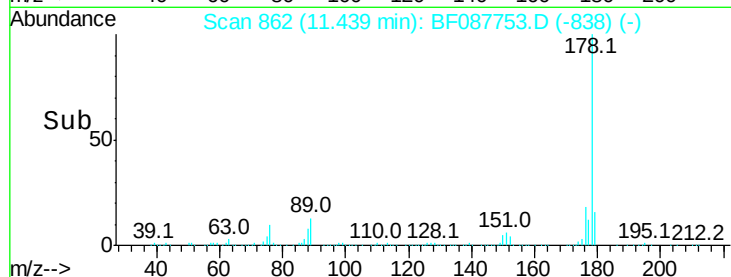
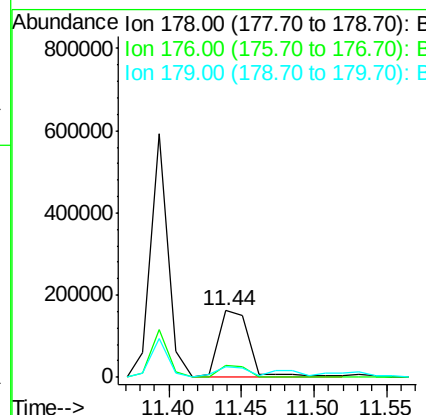
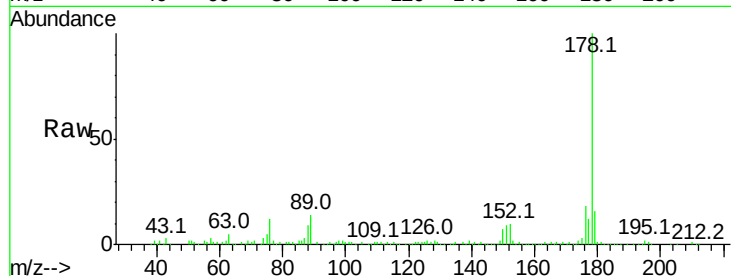
#71
 Anthracene
 Concen: 12.73 ng
 RT: 11.44 min Scan# 862
 Delta R.T. -0.02 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1275+50(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	16.1	12.8	19.2

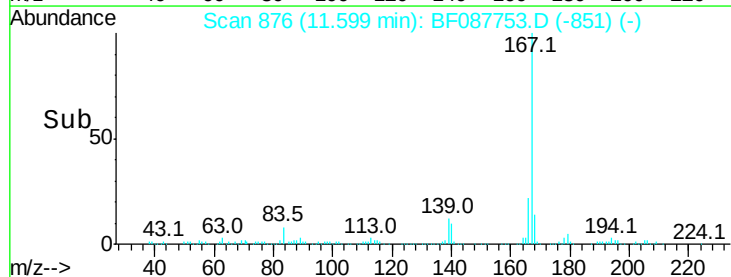
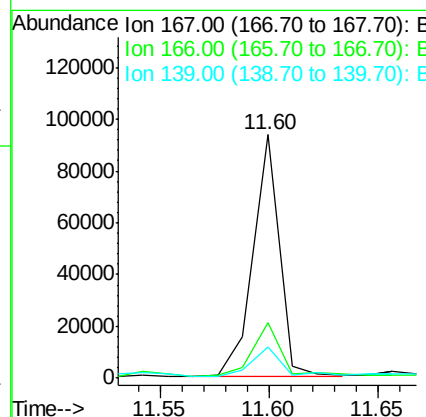
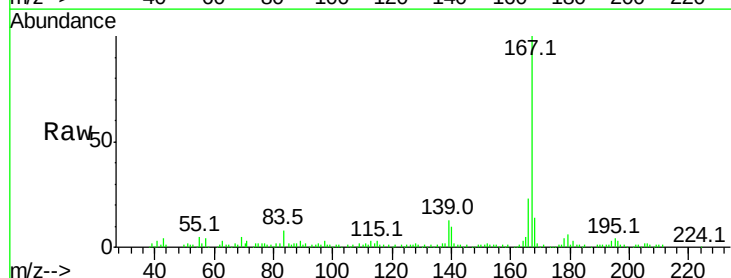
Manual Integrations
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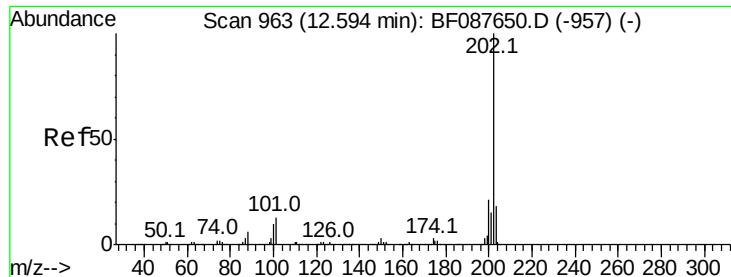
umangi
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#72
 Carbazole
 Concen: 4.60 ng
 RT: 11.60 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.8	26.6
139	12.8	11.2	16.8





#74

Fluoranthene

Concen: 55.96 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Instrument :

BNA_F

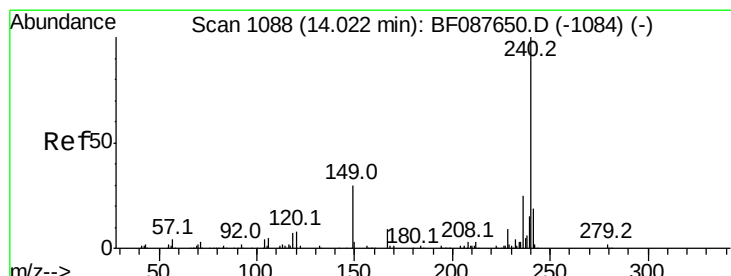
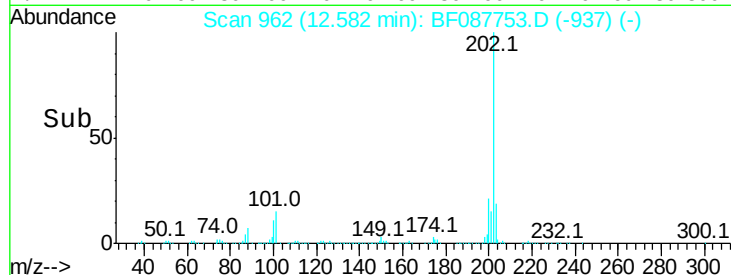
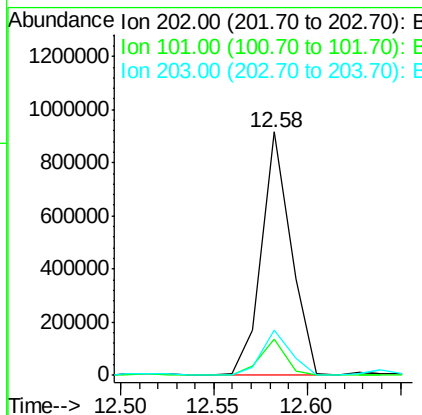
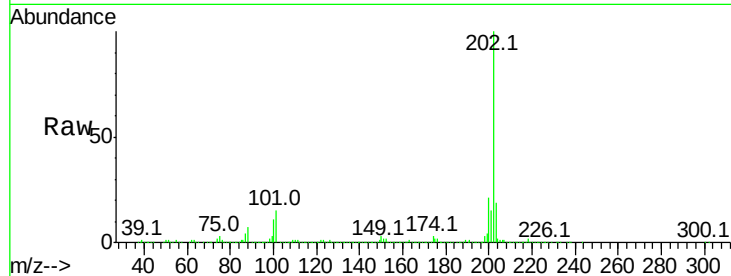
ClientSampleId :

STA-TA-1275+50(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	33.1
203	18.7	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.00 ng

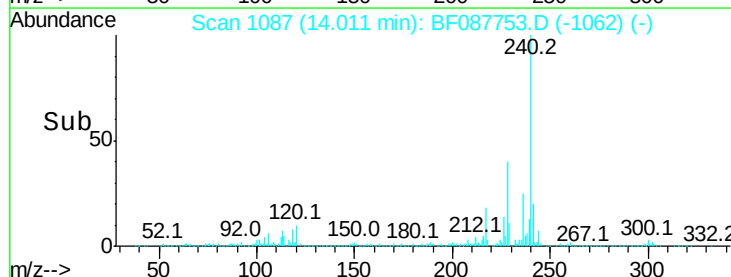
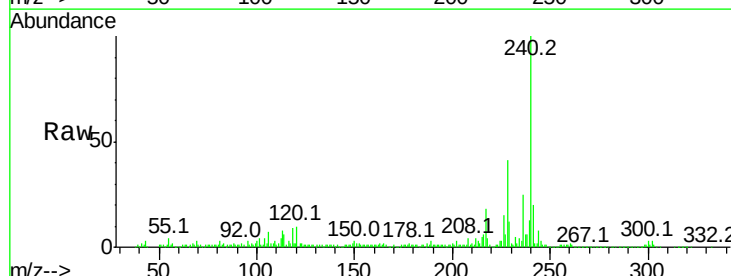
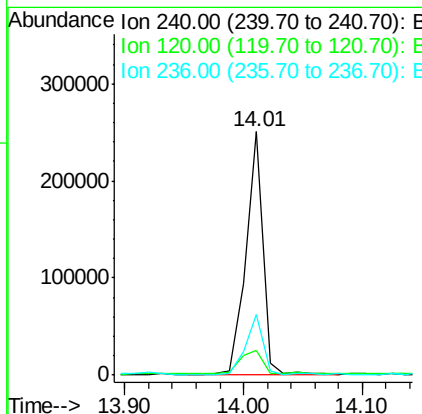
RT: 14.01 min Scan# 1087

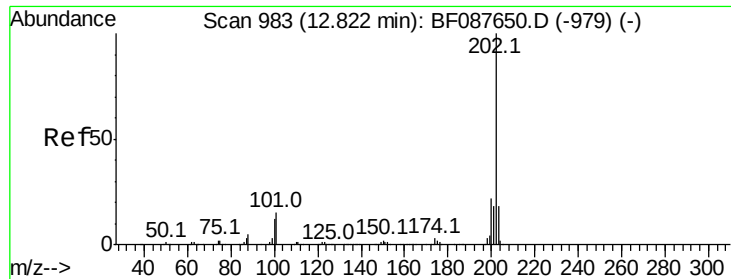
Delta R.T. -0.01 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	9.9	6.8	10.2
236	25.1	20.2	30.2





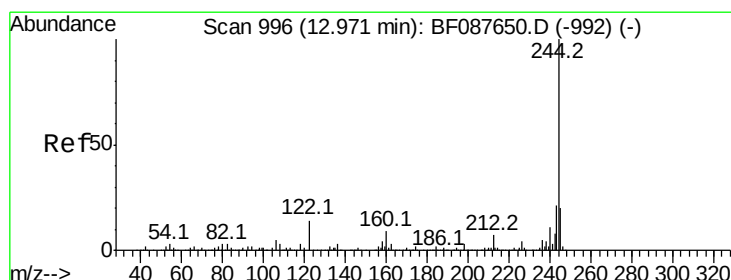
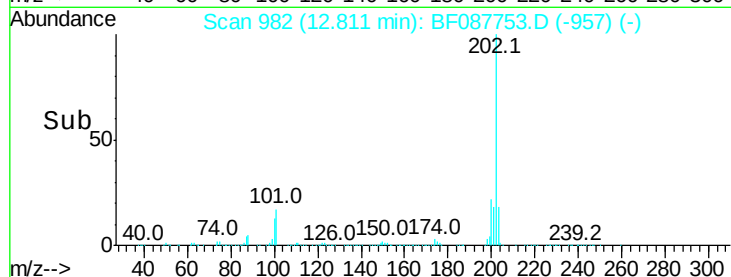
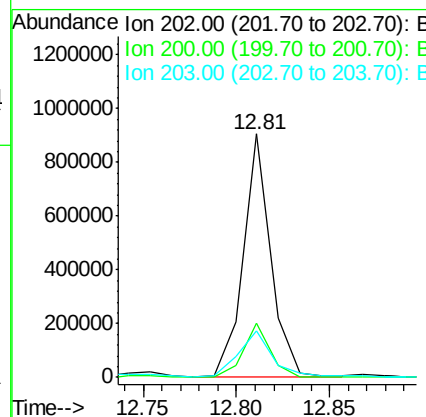
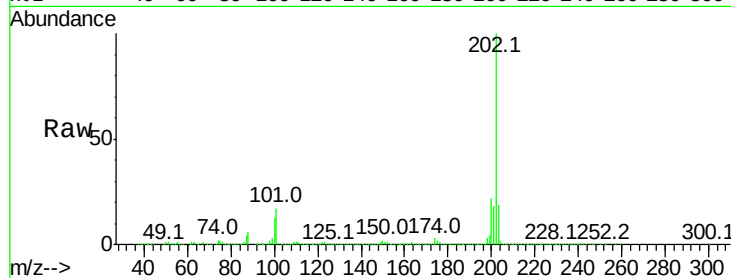
#77
Pvrene
Concen: 51.84 ng
RT: 12.81 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Instrument :
BNA_F
ClientSampleId :
STA-TA-1275+50(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	22.1	17.4	26.2
203	18.8	14.5	21.7

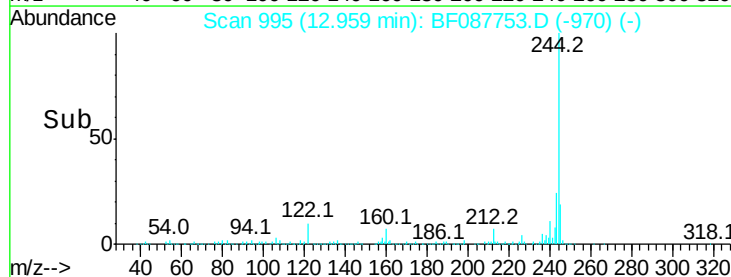
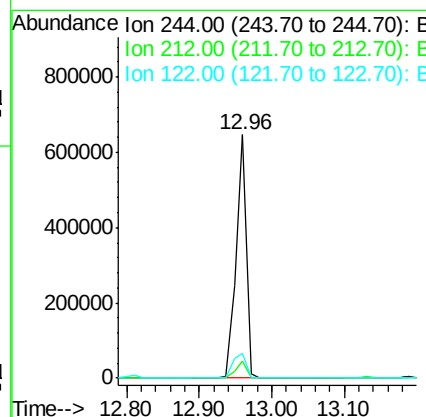
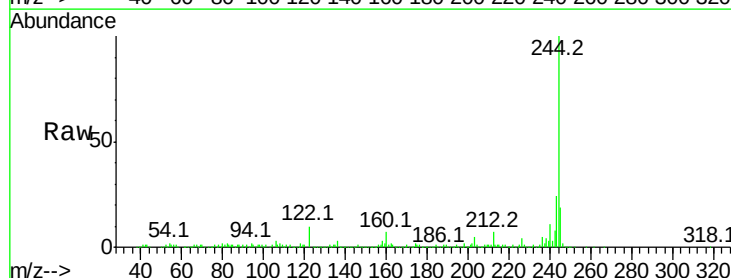
Manual Integrations
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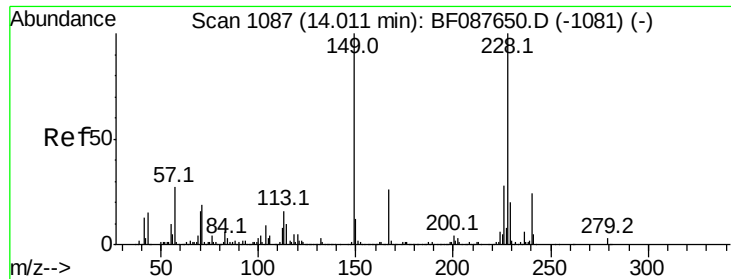
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#78
Terphenyl-d14
Concen: 61.57 ng
RT: 12.96 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.8	6.0	9.0
122	10.1	11.2	16.8#





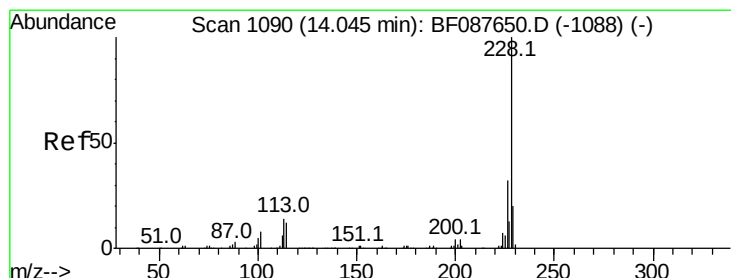
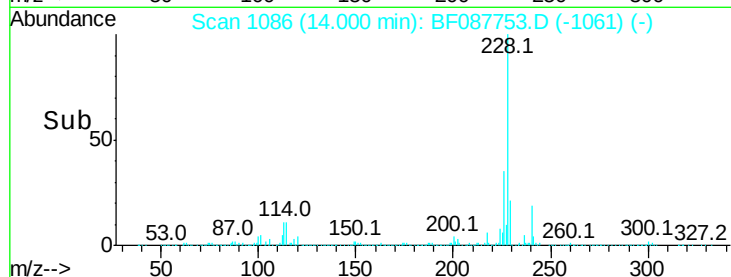
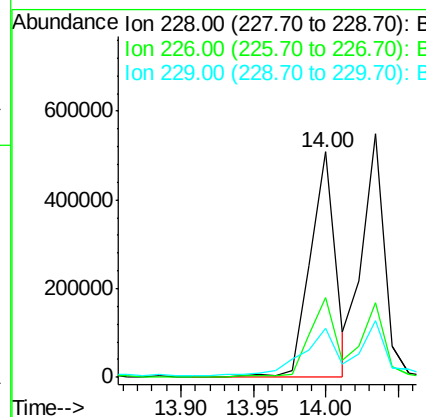
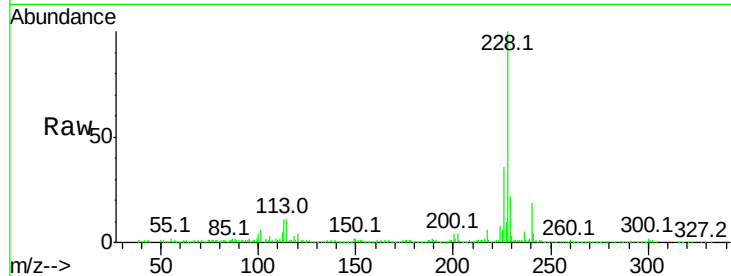
#80
Benzo(a)anthracene
Concen: 42.06 ng
RT: 14.00 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Instrument :
BNA_F
ClientSampleId :
STA-TA-1275+50(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	35.5	22.3	33.5#
229	21.6	16.0	24.0

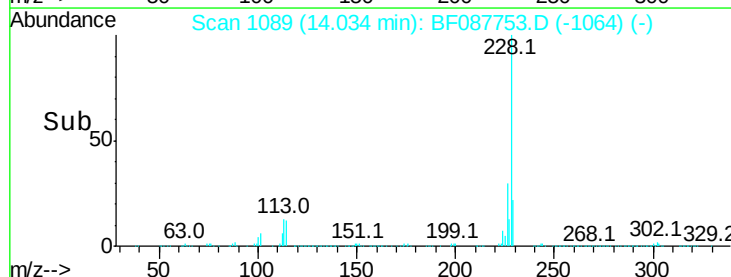
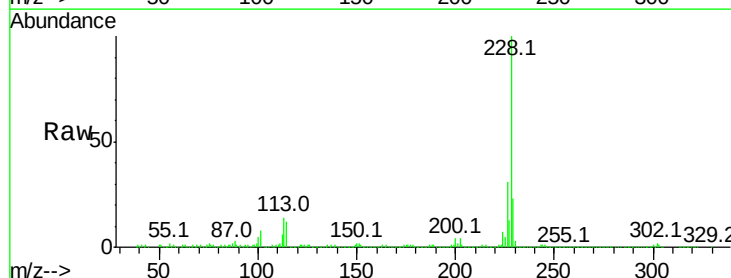
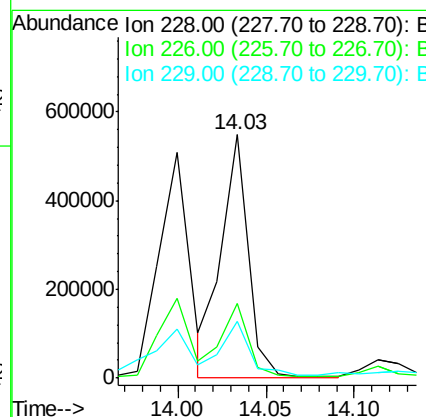
Manual Integrations
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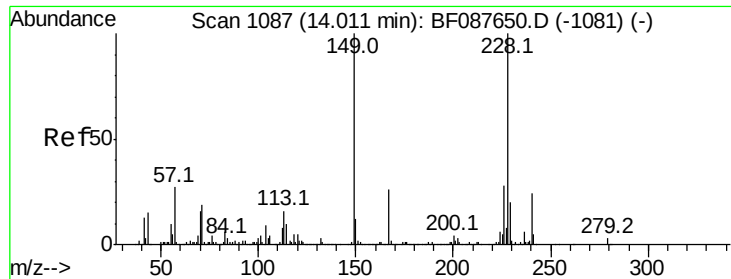
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#82
Chrysene
Concen: 41.19 ng m
RT: 14.03 min Scan# 1089
Delta R.T. -0.01 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.4	38.2
229	23.0	16.3	24.5





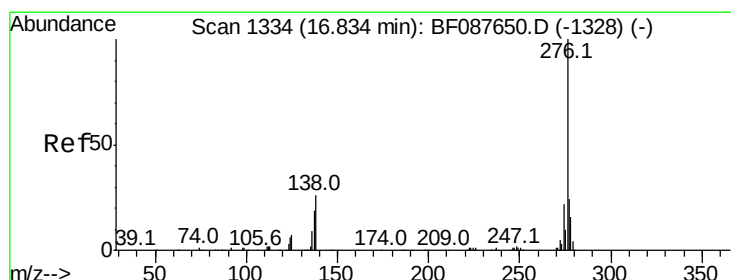
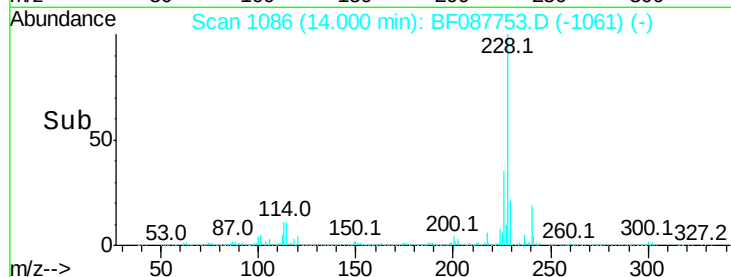
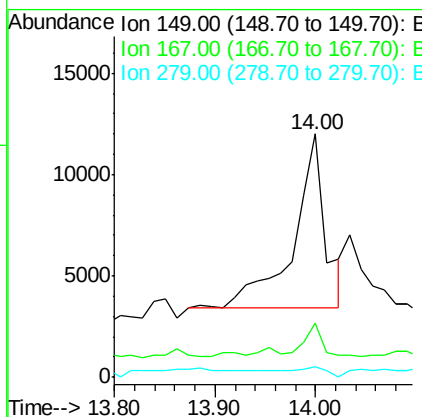
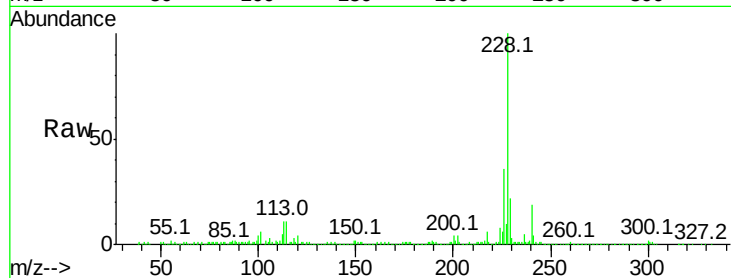
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.08 ng
 RT: 14.00 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Instrument :
 BNA_F
 ClientSampleId :
 STA-TA-1275+50(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
149	100	18710		
167	22.4	20.5	30.7	
279	4.4	2.0	3.0	

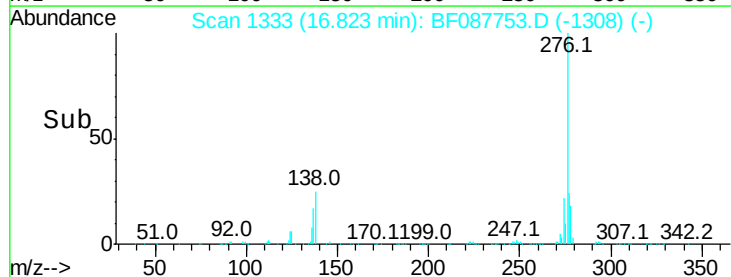
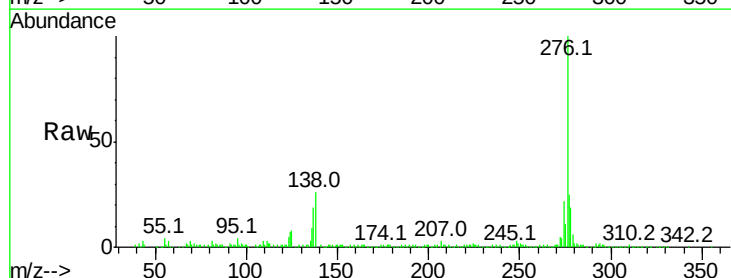
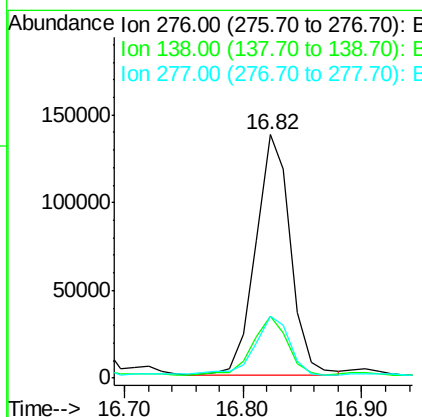
Manual Integrations
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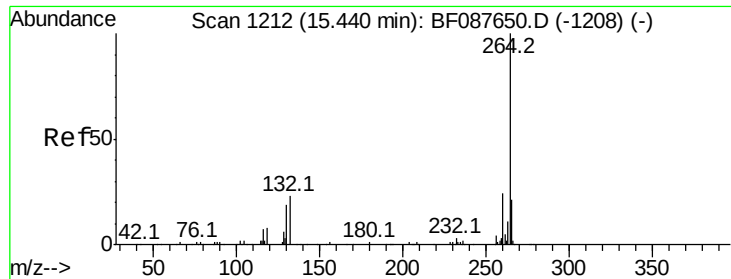
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#85
 Indeno(1,2,3-cd)pyrene
 Concen: 23.39 ng
 RT: 16.82 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF087753.D
 Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Resp	Lower	Upper
276	100	277184		
138	24.3	0.0	0.0	
277	25.3	0.0	0.0	





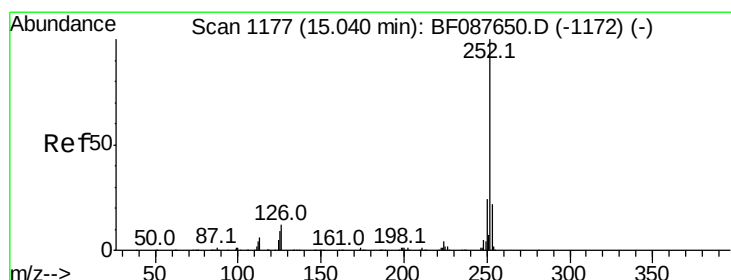
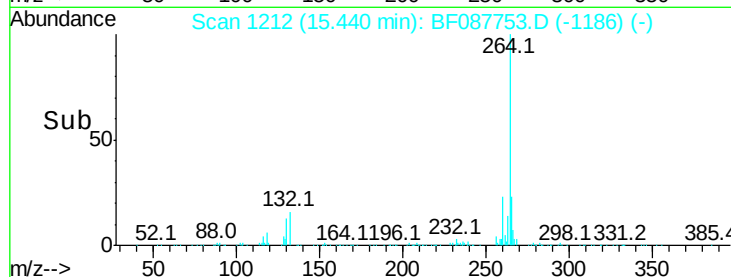
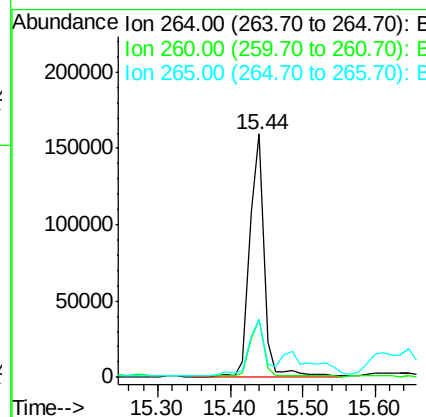
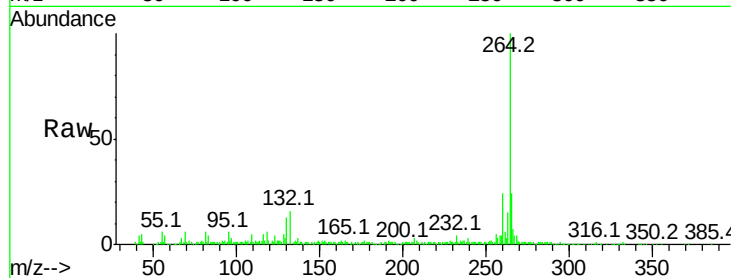
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1212
Delta R.T. -0.00 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Instrument :
BNA_F
ClientSampleId :
STA-TA-1275+50(0-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.7	16.9	25.3

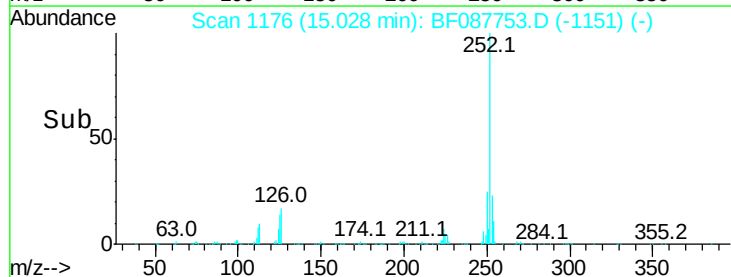
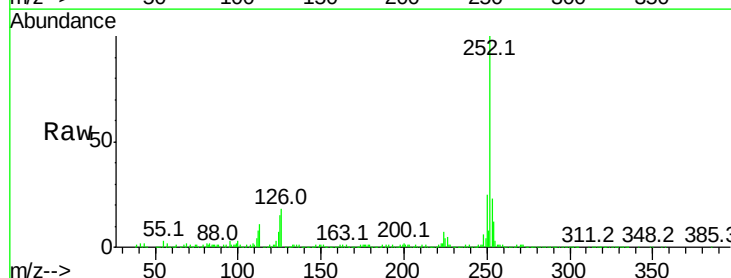
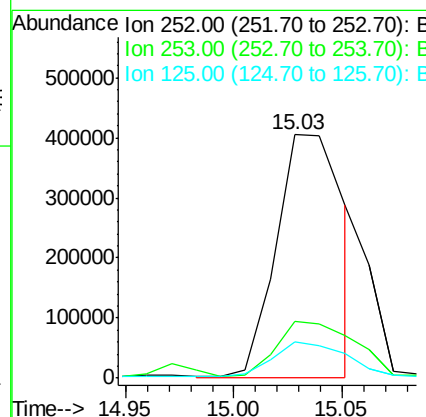
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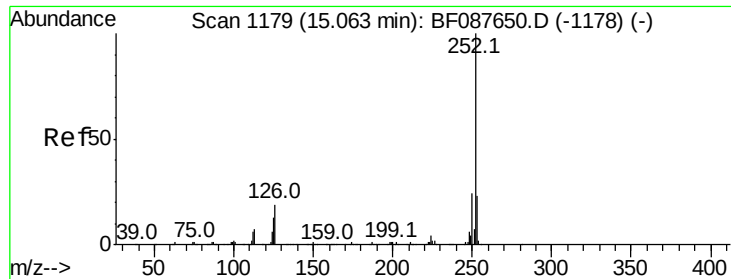
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#87
Benzo(b)fluoranthene
Concen: 61.52 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.01 min
Lab File: BF087753.D
Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.4	26.2
125	15.0	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 12.21 ng m

RT: 15.05 min Scan# 1178

Delta R.T. -0.01 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Instrument :

BNA_F

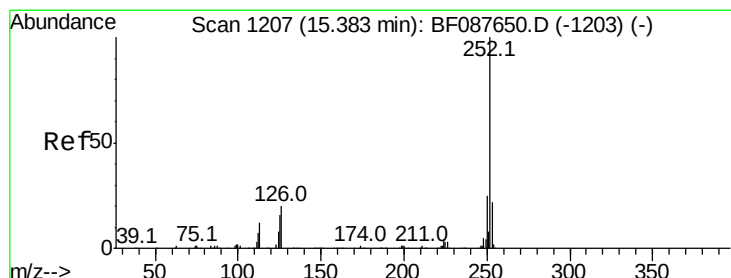
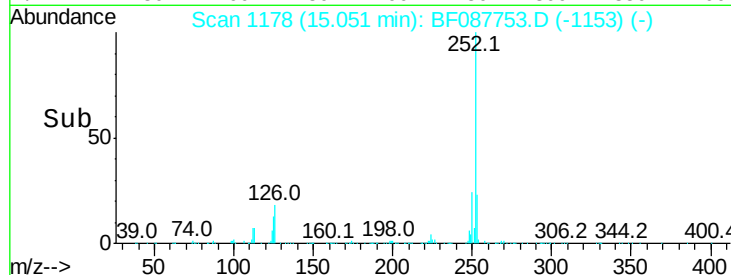
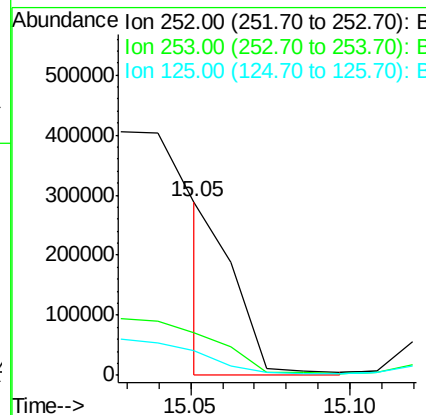
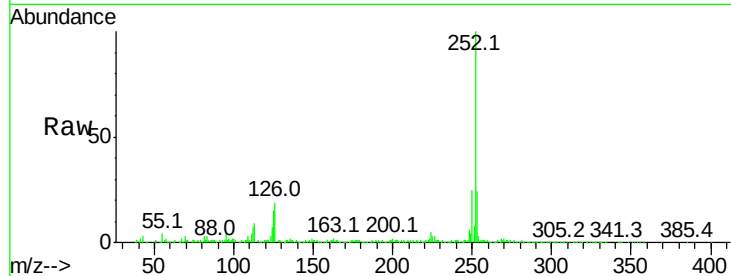
ClientSampleId :

STA-TA-1275+50(0-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.0	27.0
125	14.5	11.2	16.8

Manual Integrations
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#89

Benzo(a)pyrene

Concen: 36.72 ng m

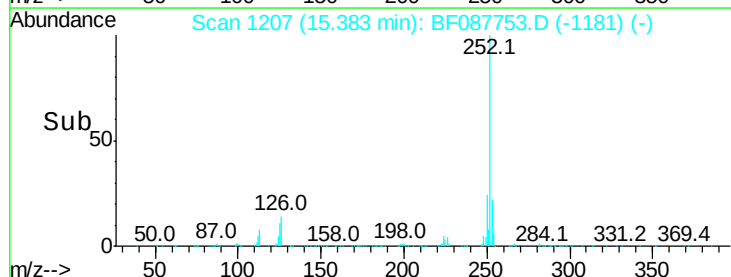
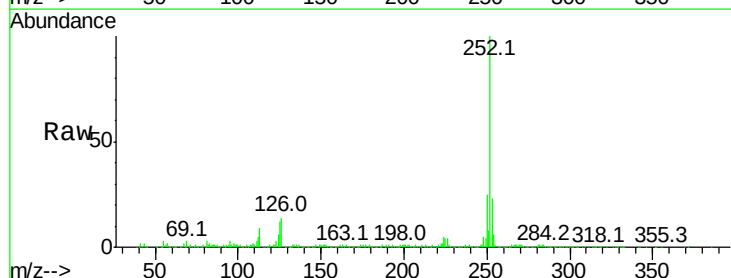
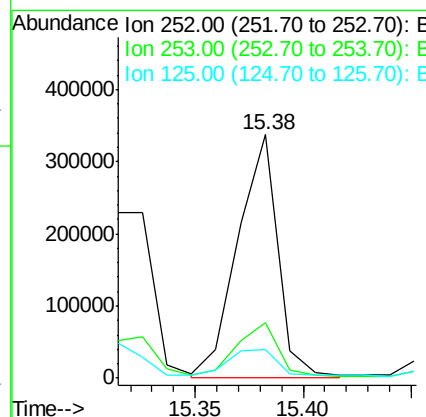
RT: 15.38 min Scan# 1207

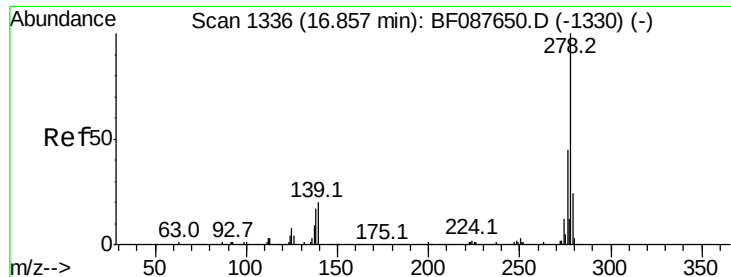
Delta R.T. -0.00 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	11.5	12.5	18.7#





#90

Dibenzo(a,h)anthracene

Concen: 6.74 ng

RT: 16.83 min Scan# 1334

Delta R.T. -0.02 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Instrument :

BNA_F

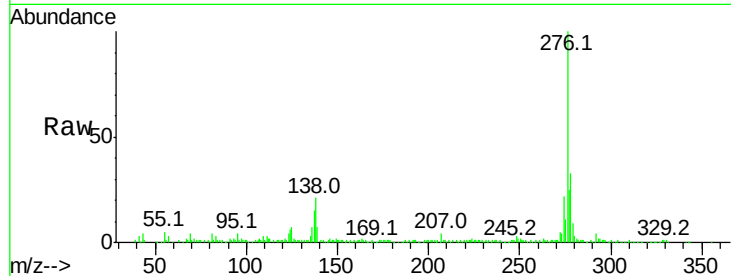
ClientSampleId :

STA-TA-1275+50(0-4)

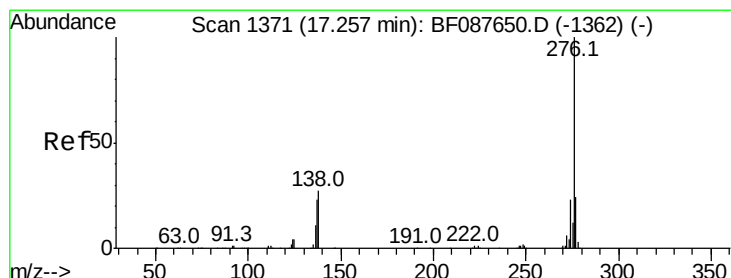
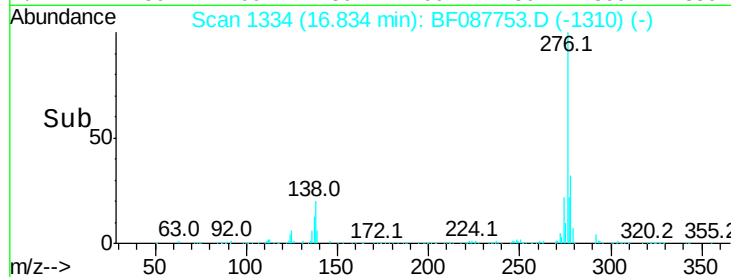
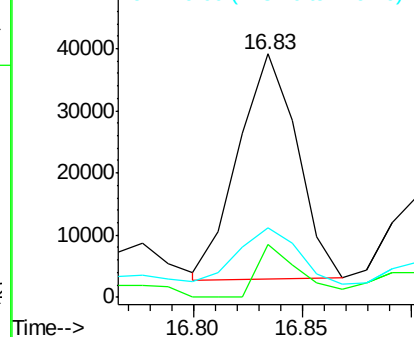
Tot Ion:	278	Resp:	68718
Ion Ratio	Lower	Upper	
278	100		
139	21.8	15.7	23.5
279	28.4	19.4	29.2

Manual Integrations
APPROVED

umangi
6/7/2016 3:22:21 PM



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 23.68 ng

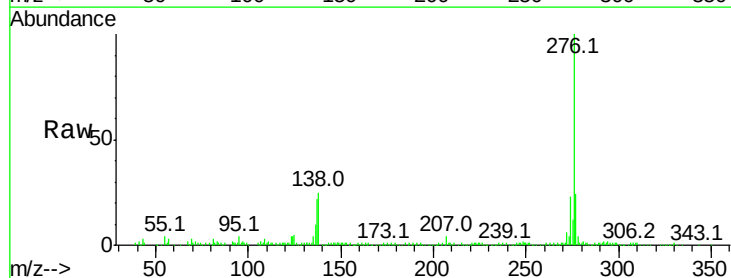
RT: 17.25 min Scan# 1370

Delta R.T. -0.01 min

Lab File: BF087753.D

Acq: 6 Jun 2016 15:43

Tgt Ion:	276	Resp:	243501
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.9	28.3
138	25.4	21.4	32.2



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

