

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087756.D
 Acq On : 6 Jun 2016 17:14
 Operator : UM/SJ
 Sample : H3267-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SC-1437(0-4)

Manual Integrations
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Quant Time: Jun 07 07:01:46 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	117727	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	479609	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	191853	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	332281	20.00	ng	-0.01
75) Chrysene-d12	14.01	240	241436	20.00	ng	-0.01
86) Perylene-d12	15.44	264	207335	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	889812	122.17	ng	0.00
7) Phenol-d6	6.49	99	1128905	123.59	ng	0.00
23) Nitrobenzene-d5	7.42	82	639929	77.20	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	209080	108.57	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	1126542	92.96	ng	-0.02
78) Terphenyl-d14	12.96	244	729735	73.75	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.16	128	254044	10.89	ng	98
37) 2-Methylnaphthalene	8.84	142	184593	11.99	ng	# 96
48) Acenaphthylene	9.75	152	175303	9.07	ng	98
49) Dimethylphthalate	9.61	163	148696	10.66	ng	98
54) Dibenzofuran	10.09	168	76394	4.51	ng	# 88
70) Phenanthrene	11.39	178	291389	16.17	ng	99
71) Anthracene	11.44	178	156082	8.65	ng	99
72) Carbazole	11.60	167	87110	5.10	ng	98
74) Fluoranthene	12.58	202	714220	40.29	ng	99
77) Pyrene	12.81	202	722073	42.00	ng	99
80) Benzo(a)anthracene	14.00	228	436436m	31.32	ng	
82) Chrysene	14.03	228	481109	34.69	ng	97
85) Indeno(1,2,3-cd)pyrene	16.82	276	213699	18.64	ng	# 100
87) Benzo(b)fluoranthene	15.03	252	593216m	43.98	ng	
88) Benzo(k)fluoranthene	15.04	252	237265m	21.14	ng	
89) Benzo(a)pyrene	15.37	252	301109	26.56	ng	97
90) Dibenzo(a,h)anthracene	16.83	278	54902	5.69	ng	95
91) Benzo(g,h,i)perylene	17.25	276	191406	19.66	ng	97

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

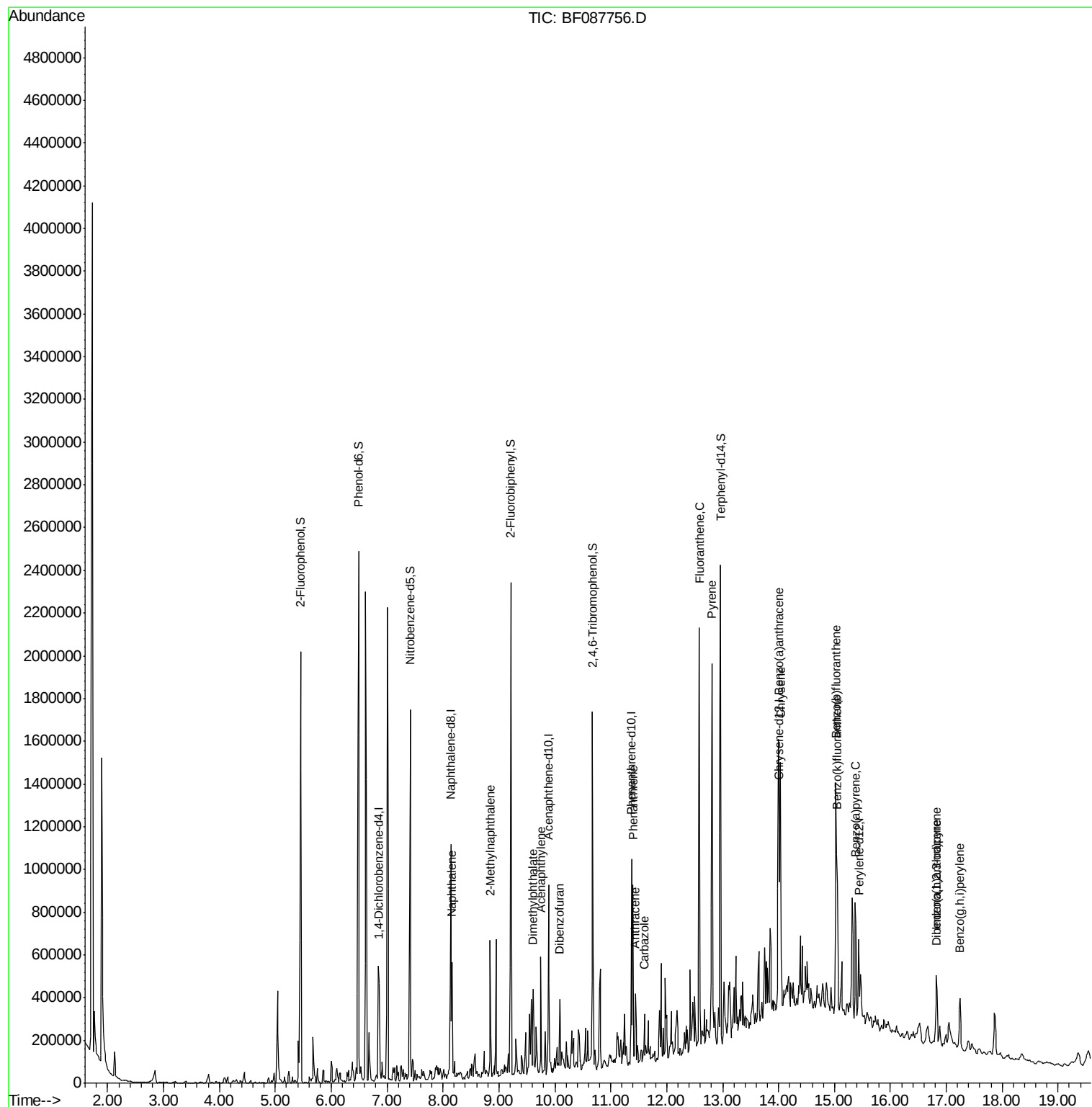
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
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Misc :
ALS Vial : 14 Sample Multiplier: 1

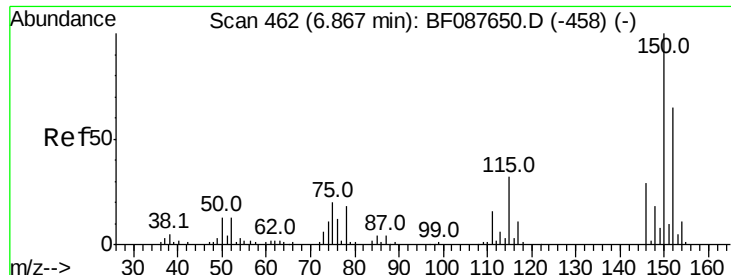
Instrument :
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SC-1437(0-4)

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#1

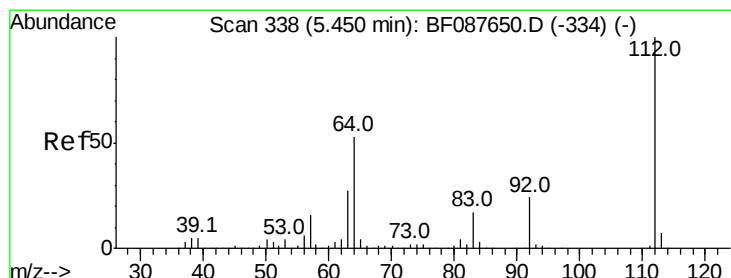
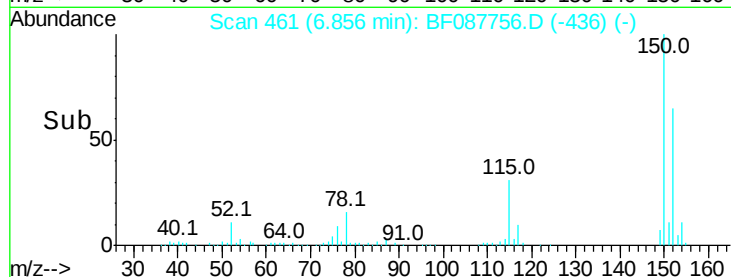
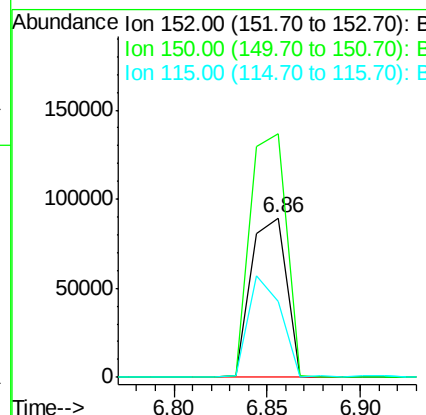
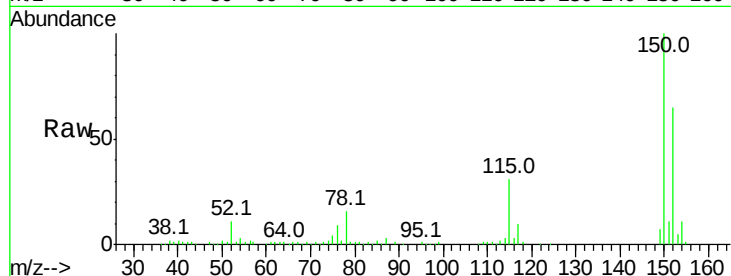
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-1437(0-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.8	123.8	185.6
115	47.4	39.6	59.4

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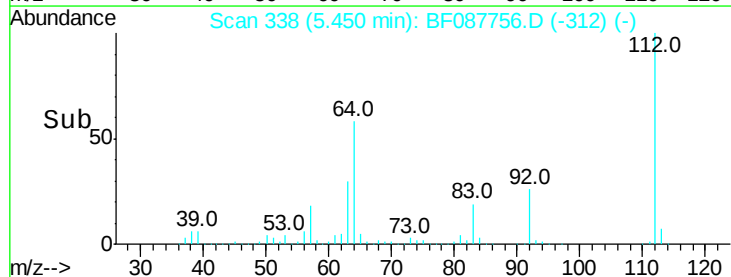
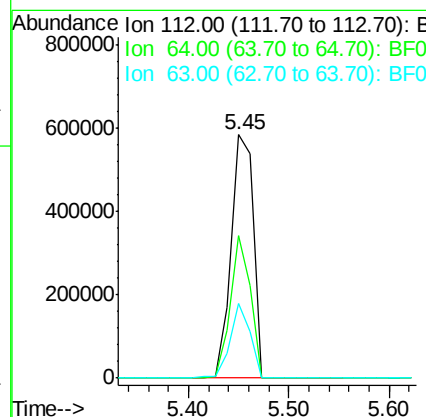
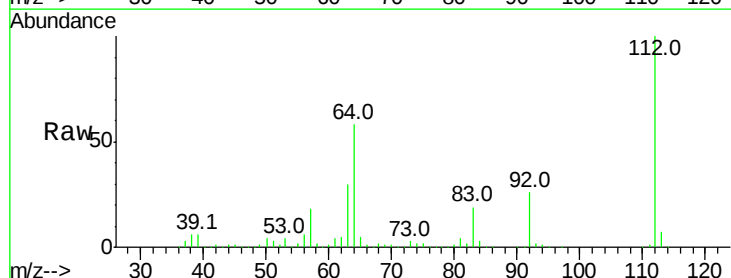
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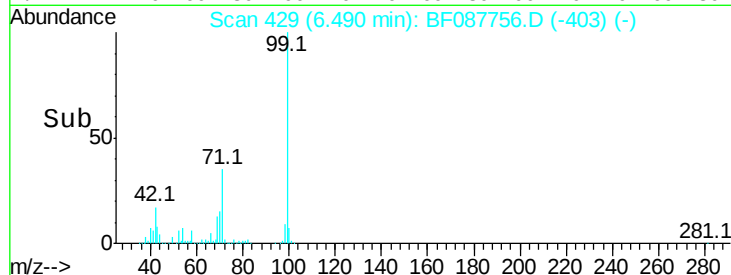
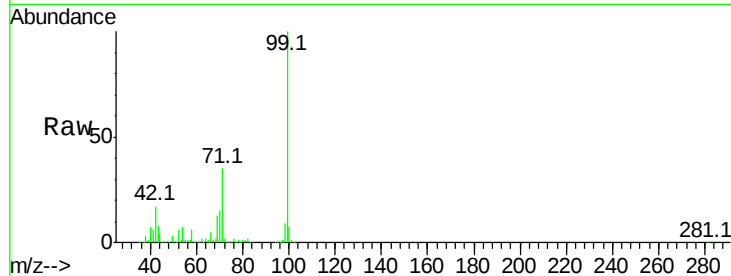
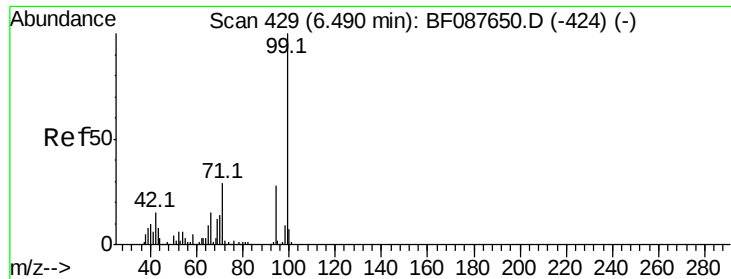


#5

2-Fluorophenol
Concen: 122.17 ng
RT: 5.45 min Scan# 338
Delta R.T. -0.00 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.4	42.2	63.2
63	30.4	21.8	32.8





#7

Phenol-d6

Concen: 123.59 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.00 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Tot Ion: 99 Resp: 1128905

Ion Ratio Lower Upper

99 100

42 16.8 12.2 18.2

71 34.7 23.4 35.0

Instrument :

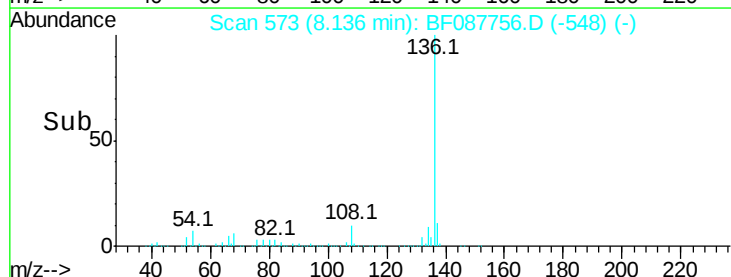
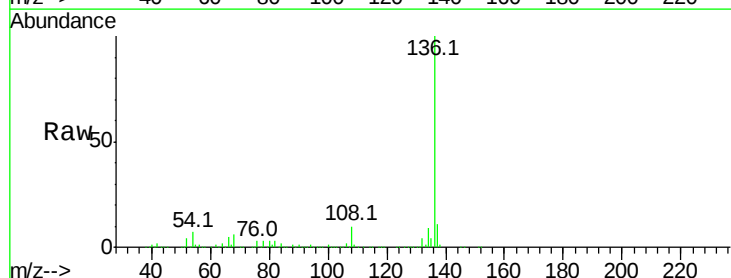
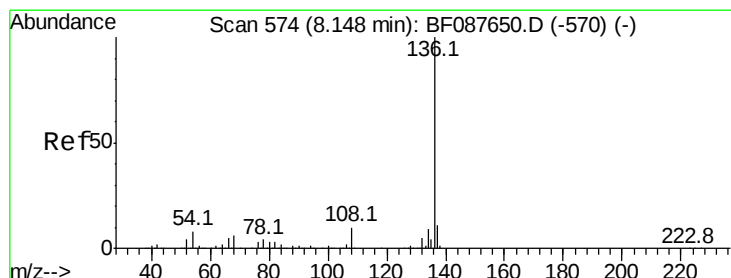
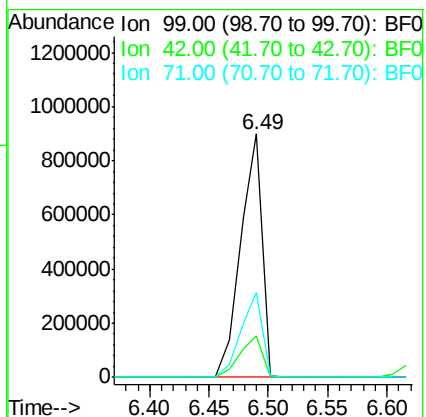
BNA_F

ClientSampleId :

SC-1437(0-4)

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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: BF087756.D

Acq: 6 Jun 2016 17:14

Tgt Ion: 136 Resp: 479609

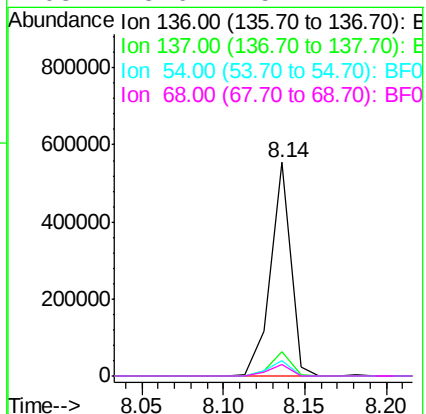
Ion Ratio Lower Upper

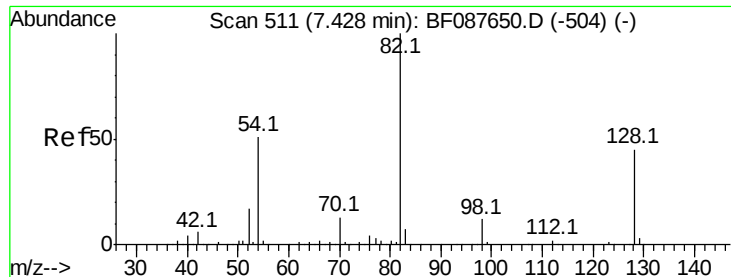
136 100

137 11.2 9.1 13.7

54 7.1 6.6 10.0

68 5.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 77.20 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Instrument :

BNA_F

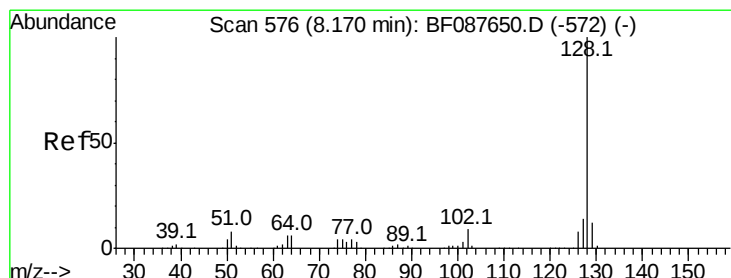
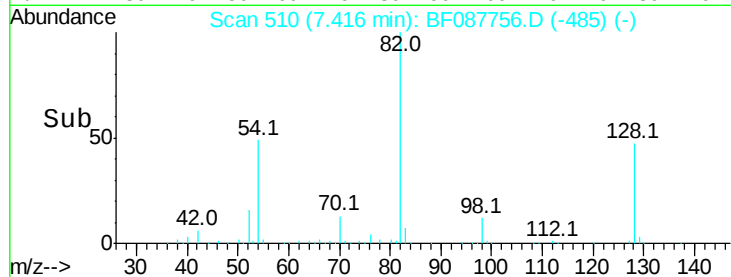
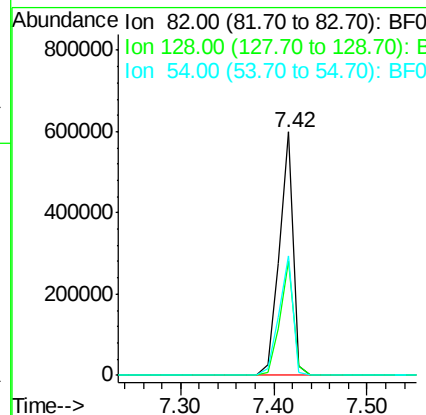
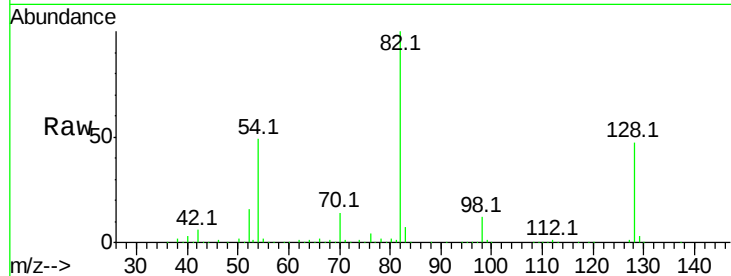
ClientSampleId :

SC-1437(0-4)

Tot Ion	82	Resp	639929
Ion Ratio	Lower	Upper	
82	100		
128	47.0	35.9	53.9
54	49.2	40.9	61.3

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#31

Naphthalene

Concen: 10.89 ng

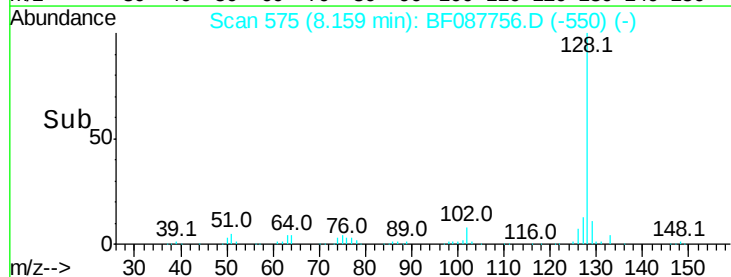
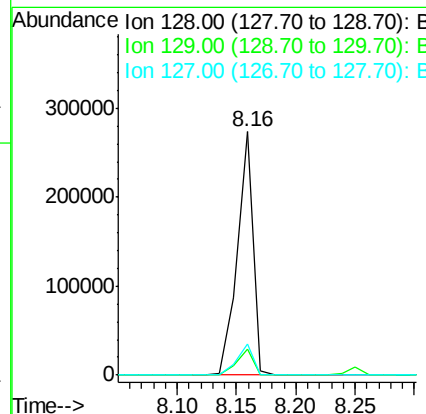
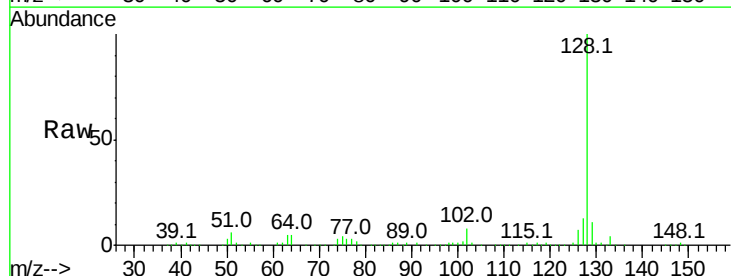
RT: 8.16 min Scan# 575

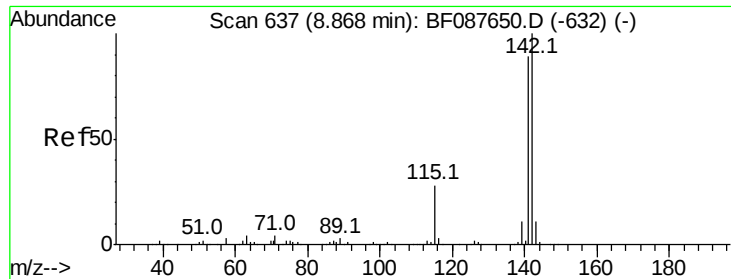
Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Tgt Ion	128	Resp	254044
Ion Ratio	Lower	Upper	
128	100		
129	10.9	9.4	14.2
127	13.0	10.9	16.3





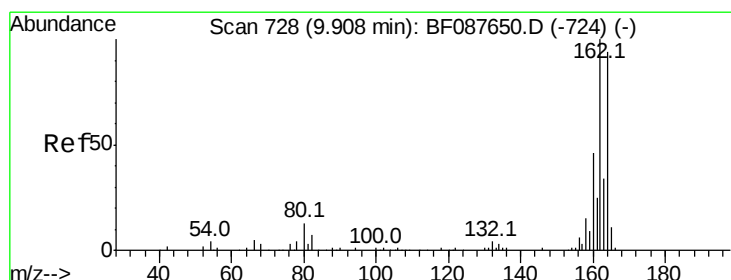
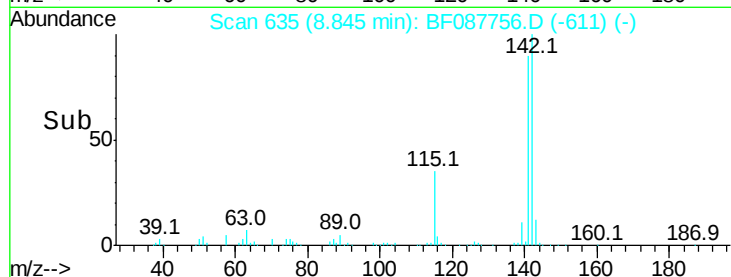
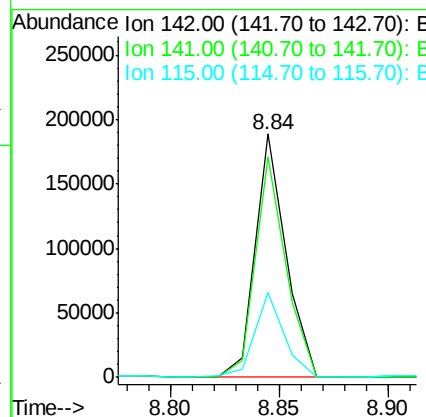
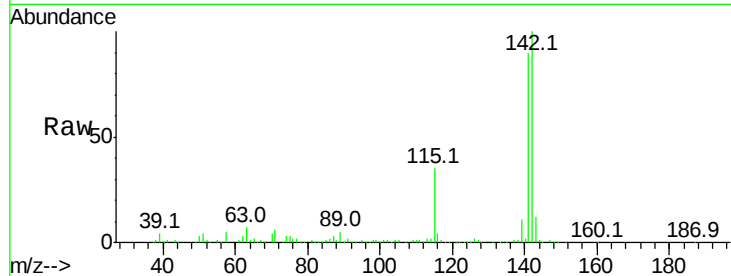
#37
2-Methylnaphthalene
Concen: 11.99 ng
RT: 8.84 min Scan# 635
Delta R.T. -0.02 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-1437(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
142	100	184593		
141	90.5	71.0	106.6	
115	34.9	22.6	33.8	

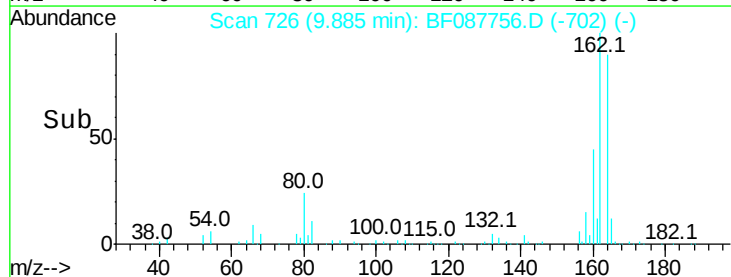
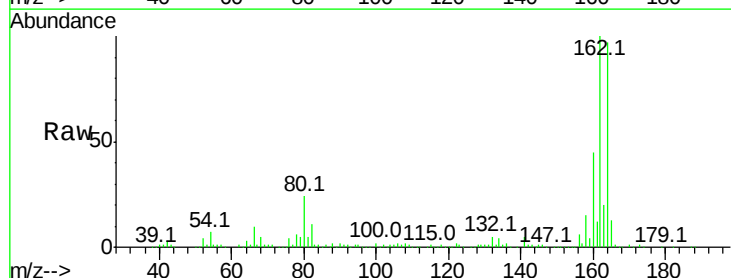
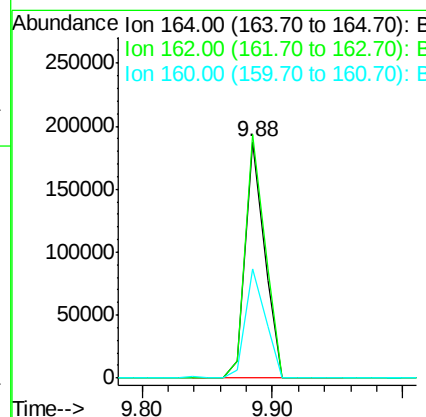
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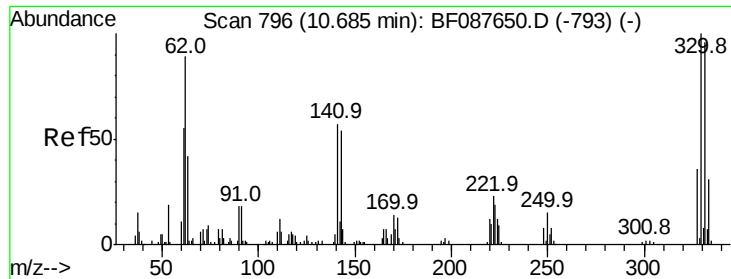
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.88 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	191853		
162	103.0	85.4	128.2	
160	46.0	39.5	59.3	





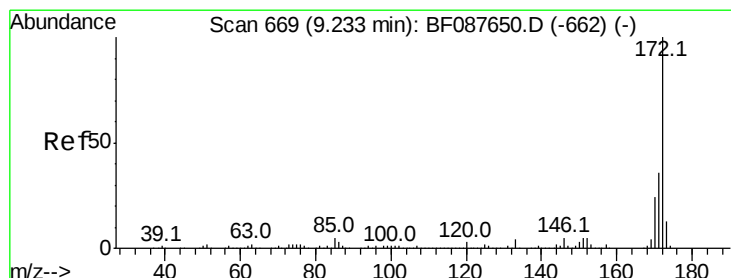
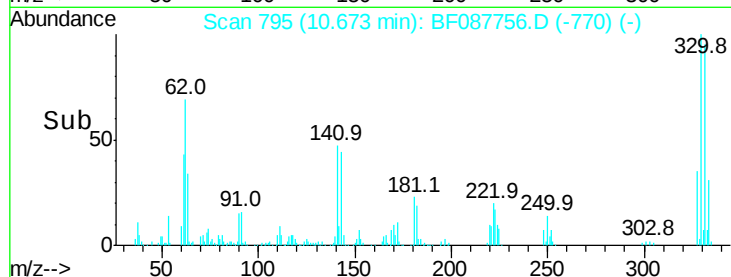
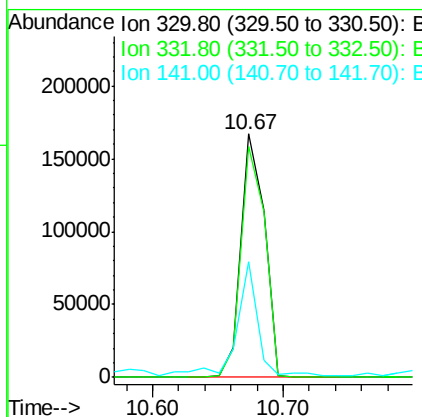
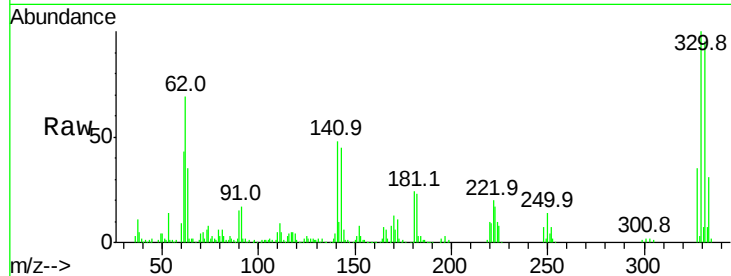
#41
 2,4,6-Tribromophenol
 Concen: 108.57 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087756.D
 Acq: 6 Jun 2016 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SC-1437(0-4)

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.7	0.0	0.0#
141	41.7	0.0	0.0#

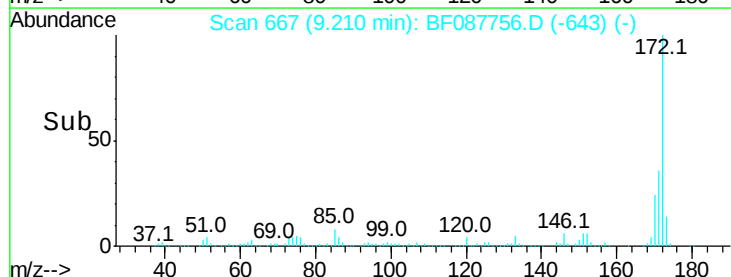
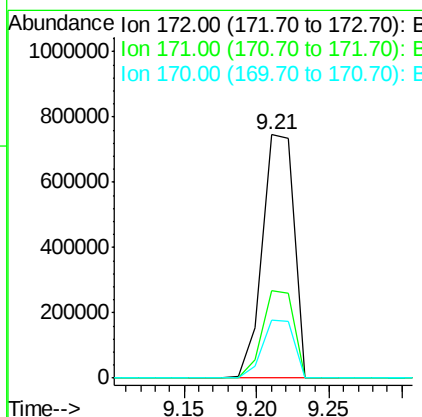
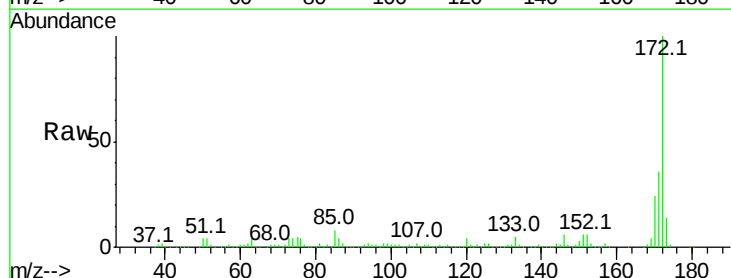
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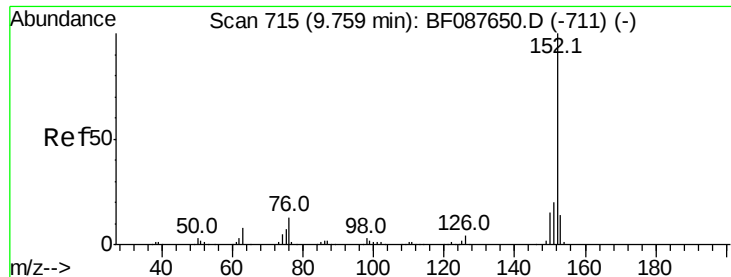
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#44
 2-Fluorobiphenyl
 Concen: 92.96 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087756.D
 Acq: 6 Jun 2016 17:14

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.1	28.6	43.0
170	24.0	19.2	28.8





#48

Acenaphthylene

Concen: 9.07 ng

RT: 9.75 min Scan# 714

Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Instrument :

BNA_F

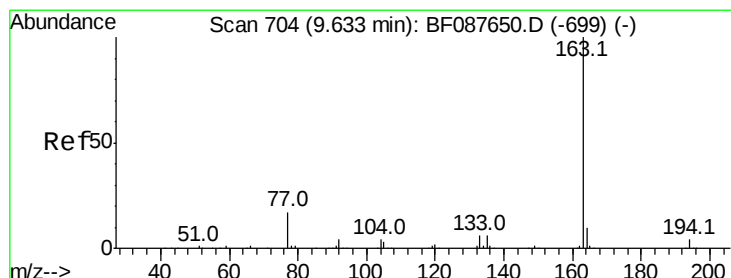
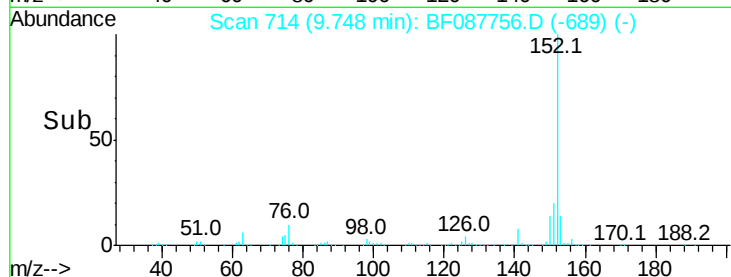
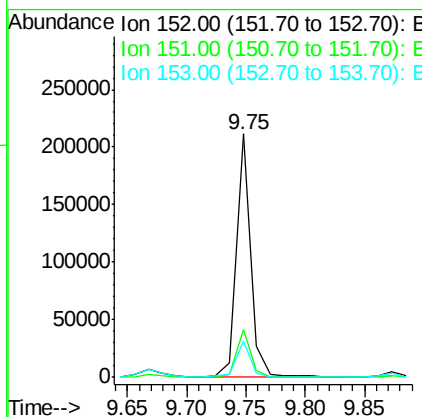
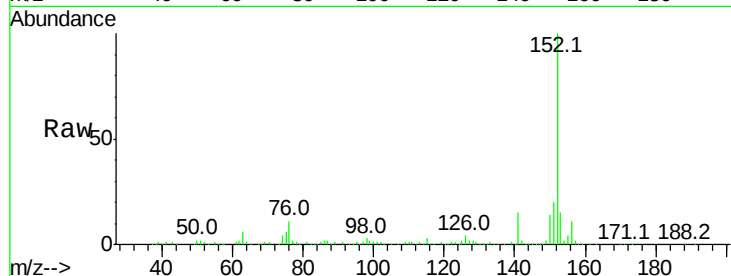
ClientSampleId :

SC-1437(0-4)

Tot Ion:	152	Resp:	175303
Ion Ratio	Lower	Upper	
152	100		
151	19.8	16.2	24.4
153	15.0	11.0	16.6

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#49

Dimethylphthalate

Concen: 10.66 ng

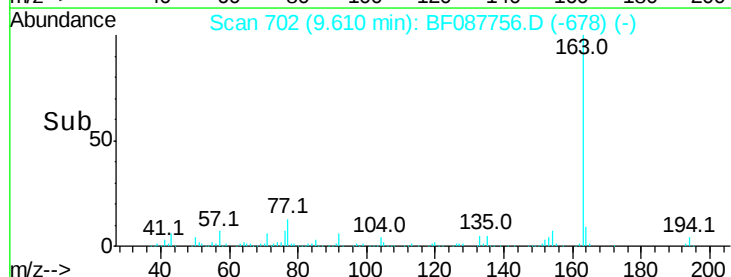
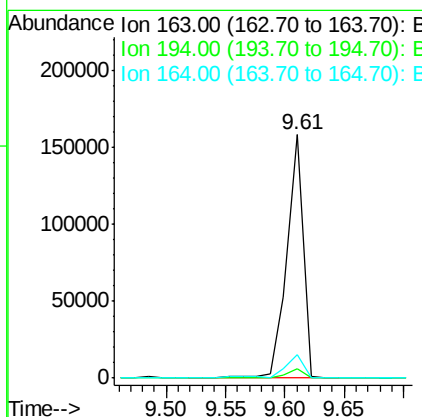
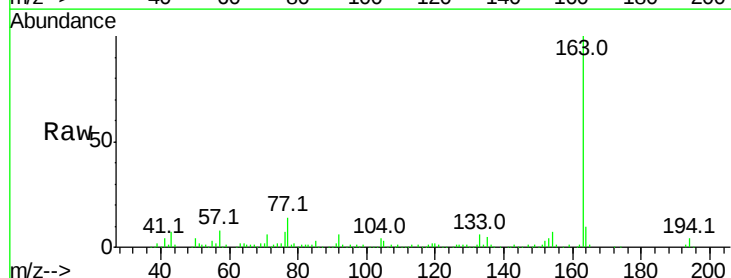
RT: 9.61 min Scan# 702

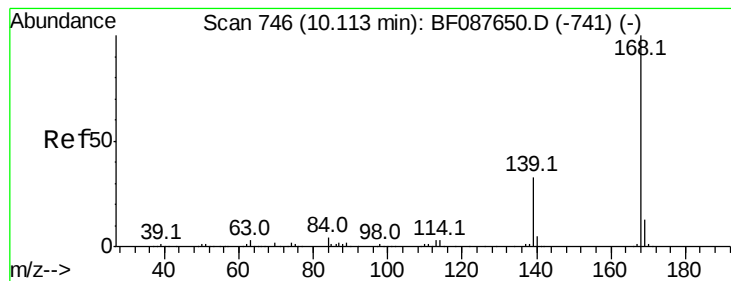
Delta R.T. -0.02 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Tgt Ion:	163	Resp:	148696
Ion Ratio	Lower	Upper	
163	100		
194	3.7	2.8	4.2
164	9.6	8.3	12.5





#54

Dibenzofuran

Concen: 4.51 ng

RT: 10.09 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Instrument :

BNA_F

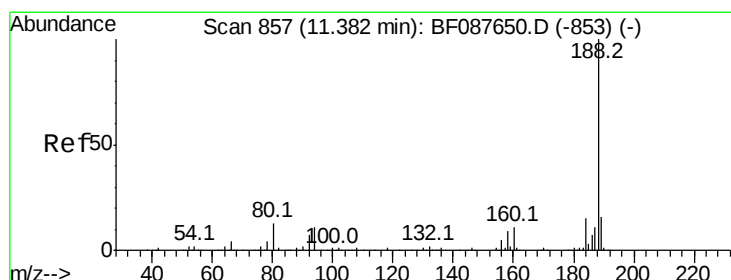
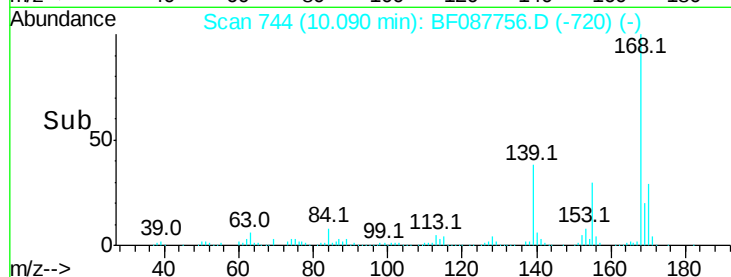
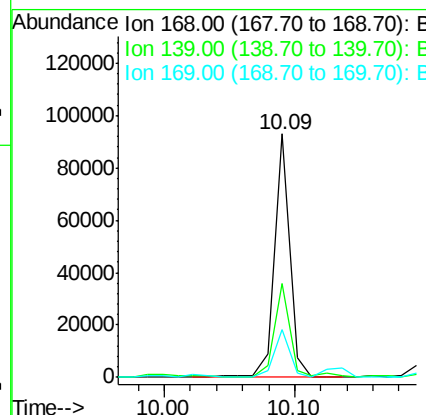
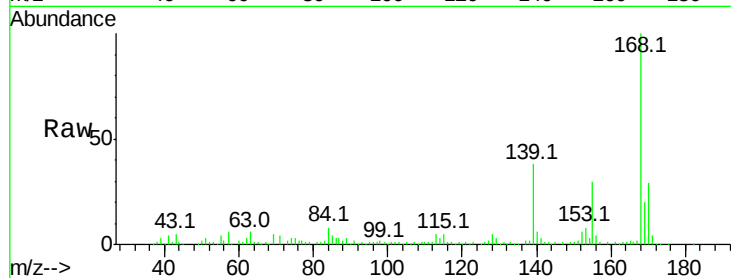
ClientSampleId :

SC-1437(0-4)

Tot Ion:168	Resp:	76394
Ion Ratio	Lower	Upper
168	100	
139	38.4	26.4 39.6
169	19.5	10.4 15.6#

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#63

Phenanthrene-d10

Concen: 20.00 ng

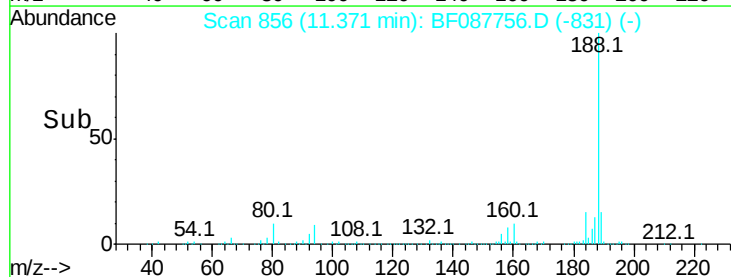
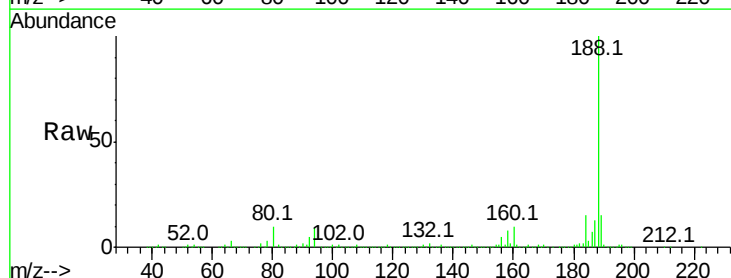
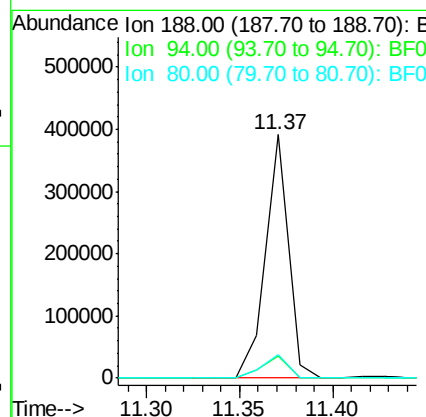
RT: 11.37 min Scan# 856

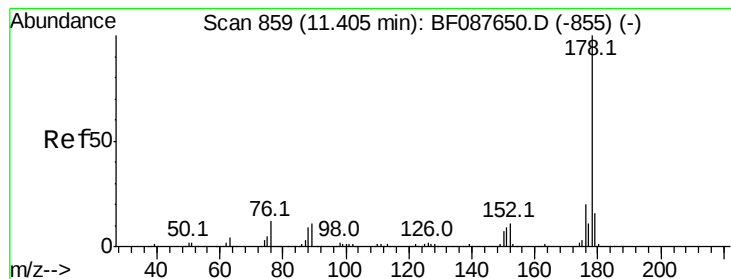
Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Tgt Ion:188	Resp:	332281
Ion Ratio	Lower	Upper
188	100	
94	9.3	9.0 13.6
80	9.6	10.0 15.0#





#70

Phenanthrene

Concen: 16.17 ng

RT: 11.39 min Scan# 858

Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Instrument :

BNA_F

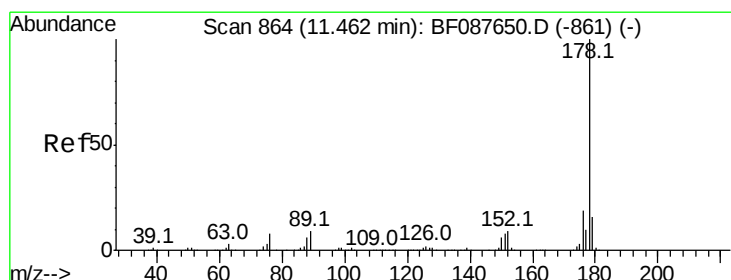
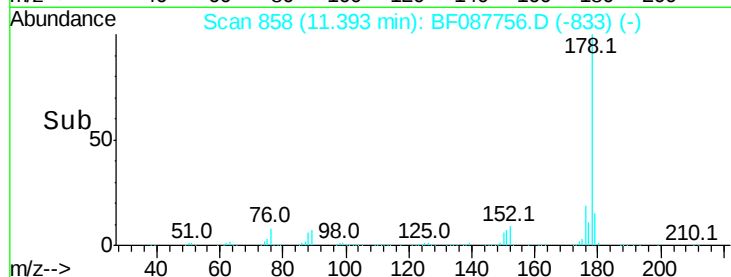
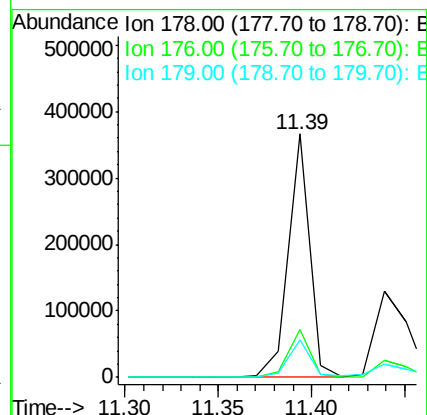
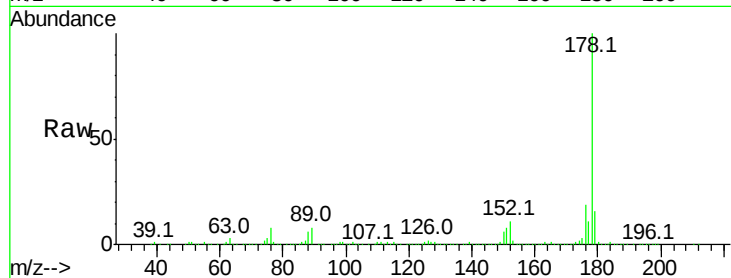
ClientSampleId :

SC-1437(0-4)

Tot Ion:	178	Resp:	291389
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.6
179	15.5	13.0	19.4

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#71

Anthracene

Concen: 8.65 ng

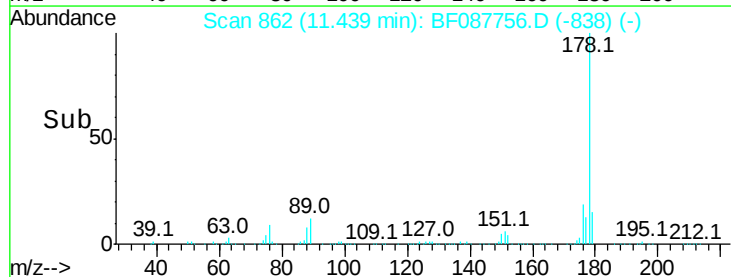
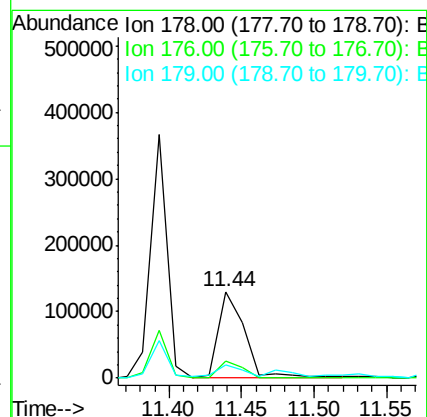
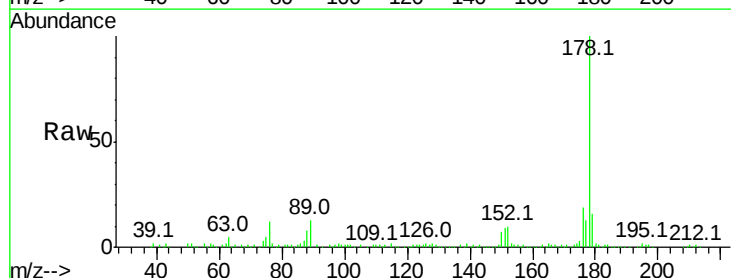
RT: 11.44 min Scan# 862

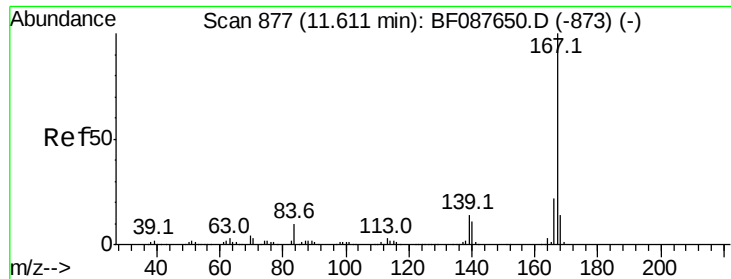
Delta R.T. -0.02 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Tgt Ion:	178	Resp:	156082
Ion Ratio	Lower	Upper	
178	100		
176	19.0	15.6	23.4
179	16.0	12.8	19.2





#72

Carbazole

Concen: 5.10 ng

RT: 11.60 min Scan# 876

Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Instrument :

BNA_F

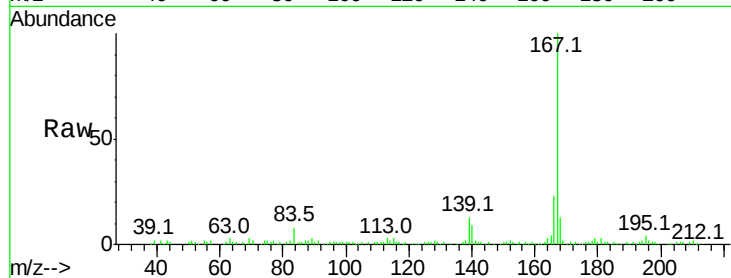
ClientSampled :

SC-1437(0-4)

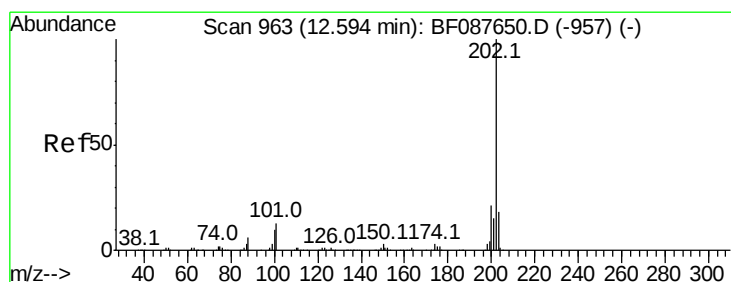
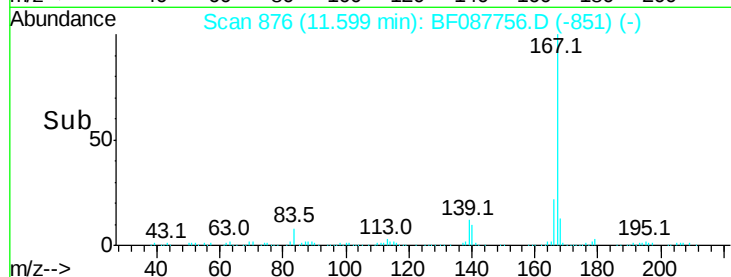
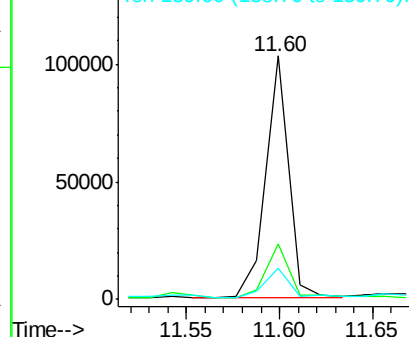
Tot Ion:	167	Resp:	87110
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.8	26.6
139	12.6	11.2	16.8

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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: 40.29 ng

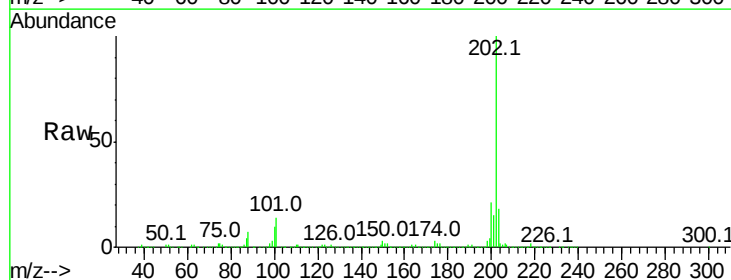
RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

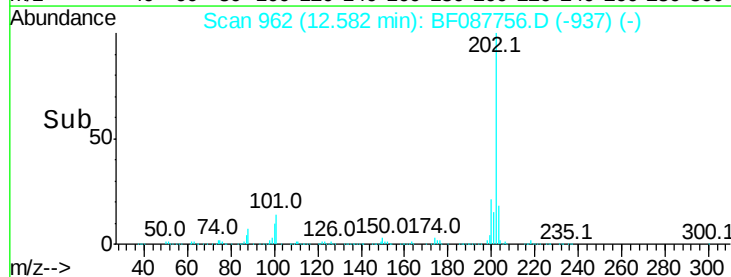
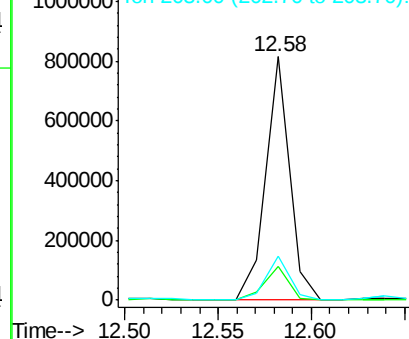
Lab File: BF087756.D

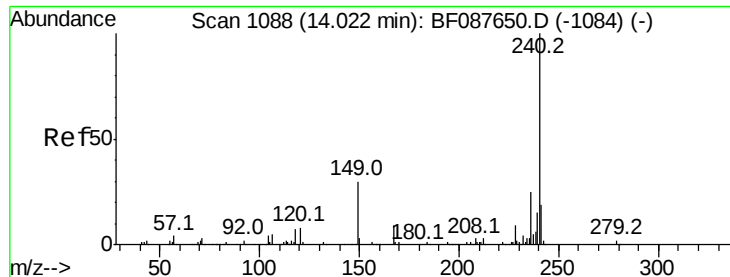
Acq: 6 Jun 2016 17:14

Tgt Ion:	202	Resp:	714220
Ion Ratio	Lower	Upper	
202	100		
101	14.0	0.0	33.1
203	18.3	0.0	38.1



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: 14.01 min Scan# 1087

Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Instrument :

BNA_F

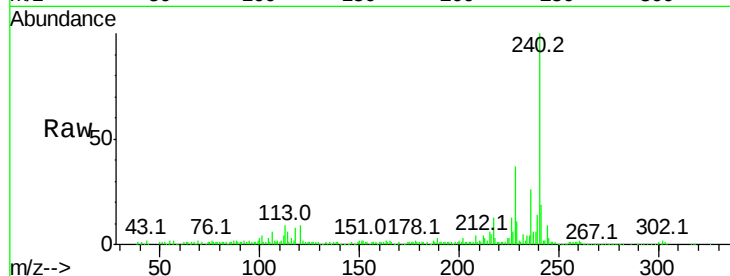
ClientSampleId :

SC-1437(0-4)

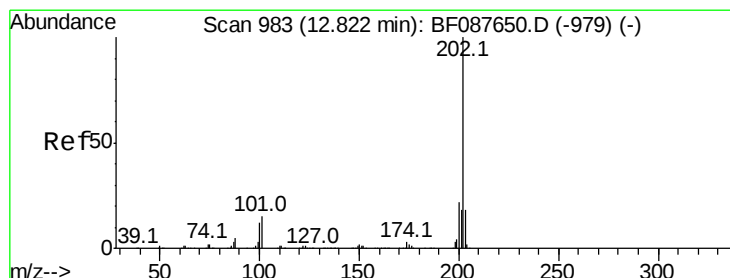
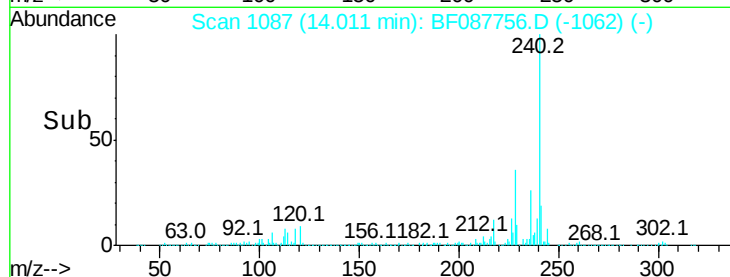
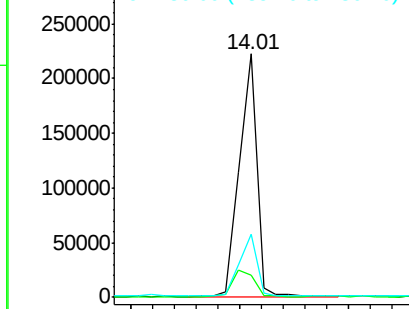
Tot Ion:	240	Resp:	241436
Ion Ratio	Lower	Upper	
240	100		
120	9.0	6.8	10.2
236	25.8	20.2	30.2

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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: 42.00 ng

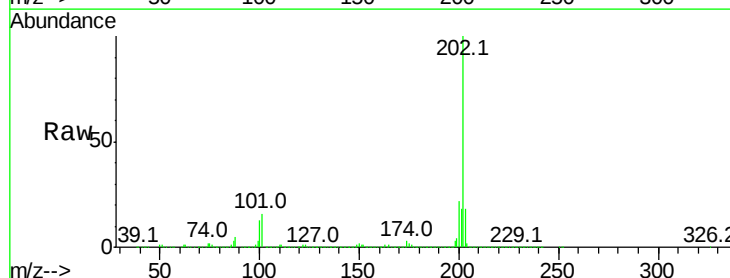
RT: 12.81 min Scan# 982

Delta R.T. -0.01 min

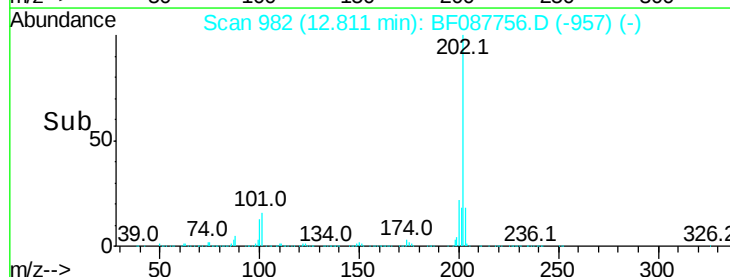
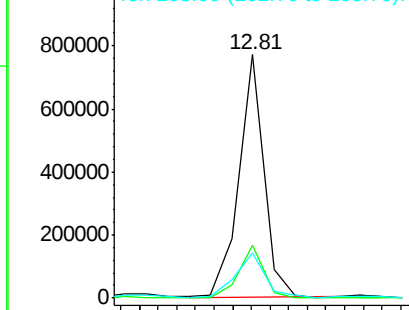
Lab File: BF087756.D

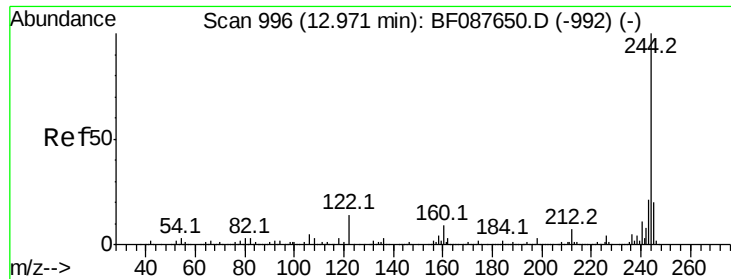
Acq: 6 Jun 2016 17:14

Tgt Ion:	202	Resp:	722073
Ion Ratio	Lower	Upper	
202	100		
200	21.7	17.4	26.2
203	18.5	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





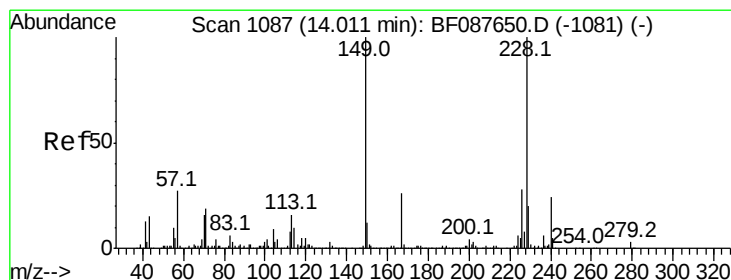
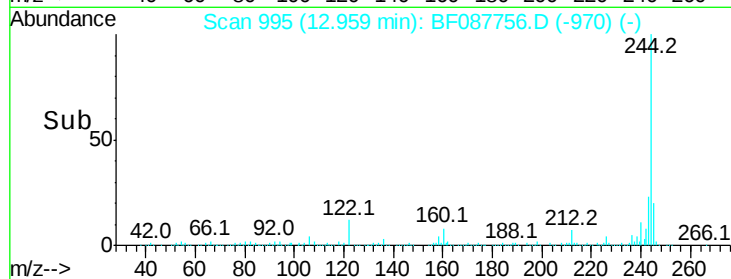
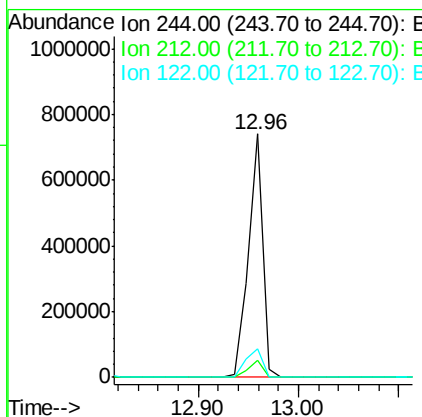
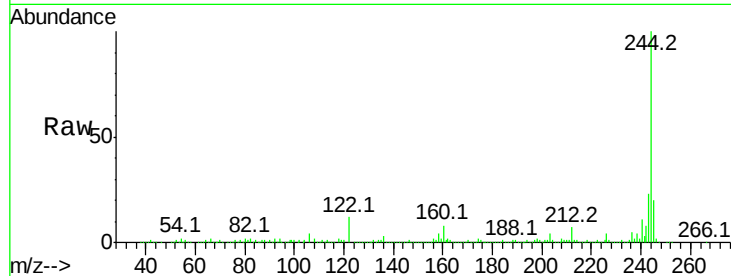
#78
 Terphenyl-d14
 Concen: 73.75 ng
 RT: 12.96 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: BF087756.D
 Acq: 6 Jun 2016 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SC-1437(0-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	11.7	11.2	16.8

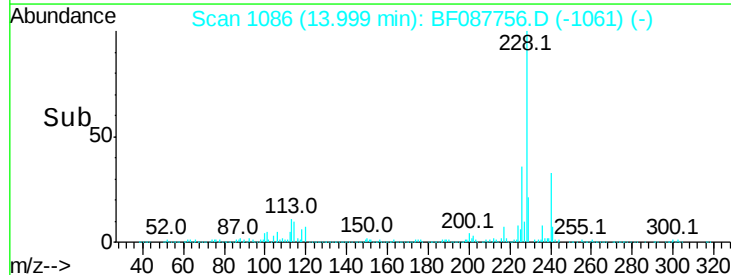
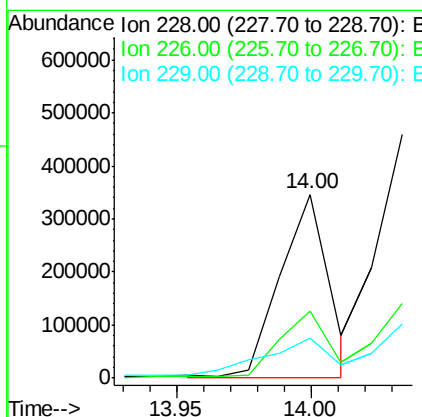
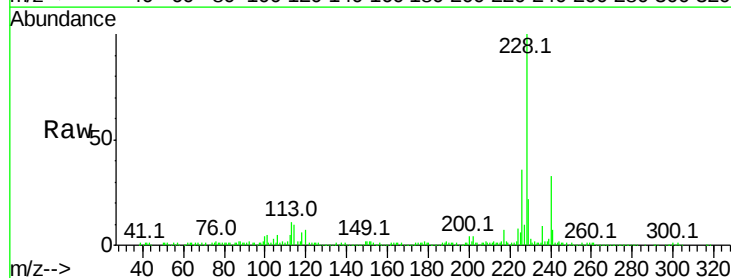
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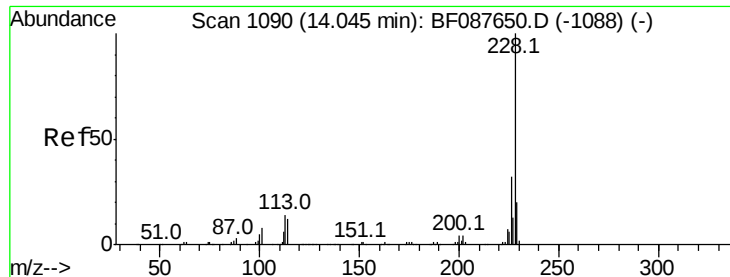
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#80
 Benzo(a)anthracene
 Concen: 31.32 ng m
 RT: 14.00 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: BF087756.D
 Acq: 6 Jun 2016 17:14

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.3	22.3	33.5#
229	21.9	16.0	24.0





#82

Chrysene

Concen: 34.69 ng

RT: 14.03 min Scan# 1089

Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Instrument :

BNA_F

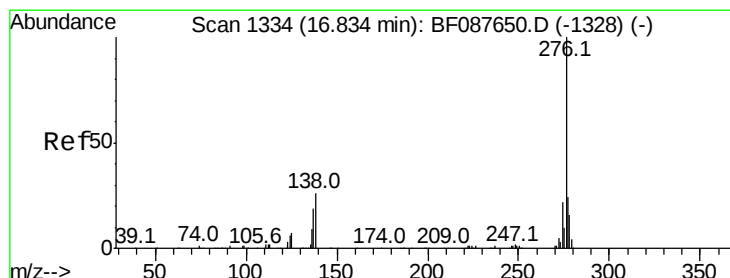
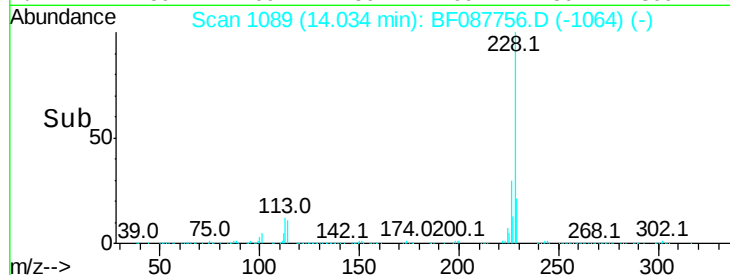
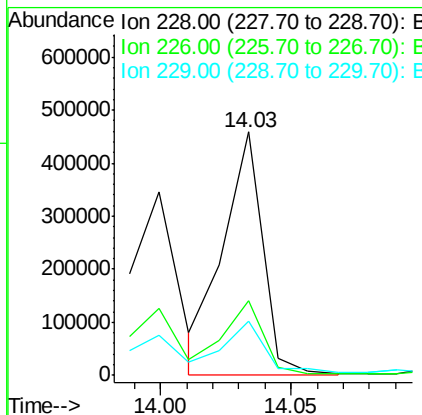
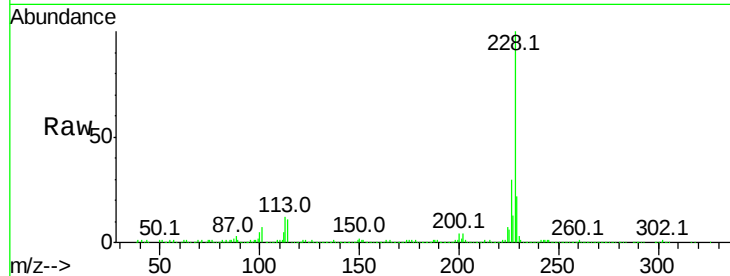
ClientSampleId :

SC-1437(0-4)

Tot Ion:	228	Resp:	481109
Ion Ratio		Lower	Upper
228	100		
226	30.4	25.4	38.2
229	22.2	16.3	24.5

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#85

Indeno(1,2,3-cd)pyrene

Concen: 18.64 ng

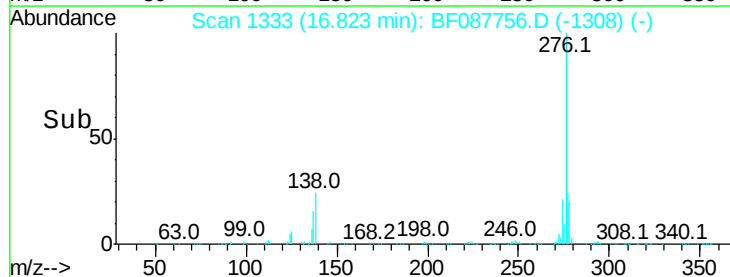
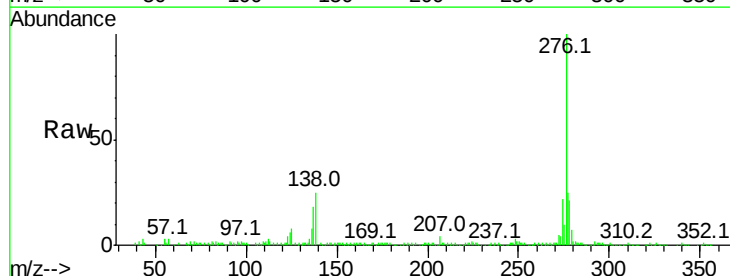
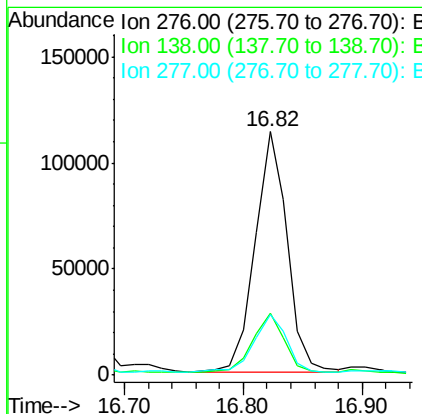
RT: 16.82 min Scan# 1333

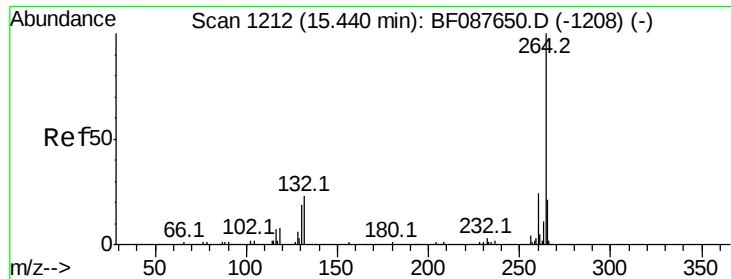
Delta R.T. -0.01 min

Lab File: BF087756.D

Acq: 6 Jun 2016 17:14

Tgt Ion:	276	Resp:	213699
Ion Ratio		Lower	Upper
276	100		
138	24.1	0.0	0.0#
277	24.7	0.0	0.0#





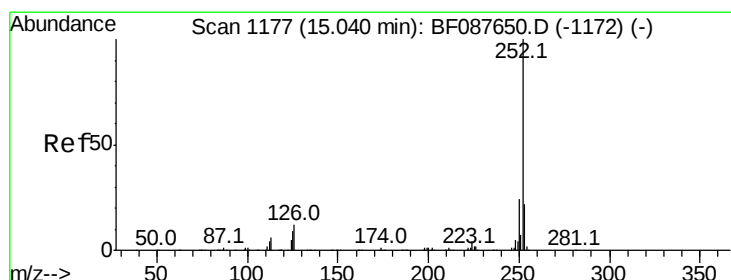
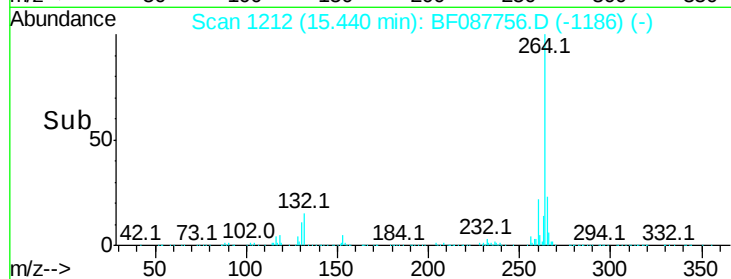
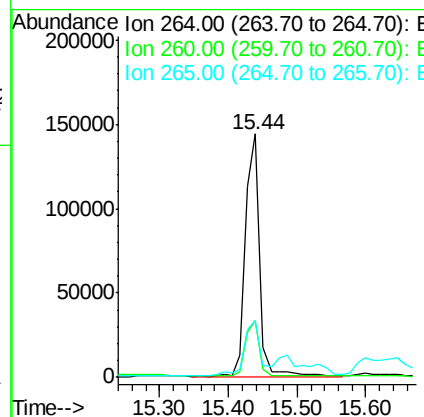
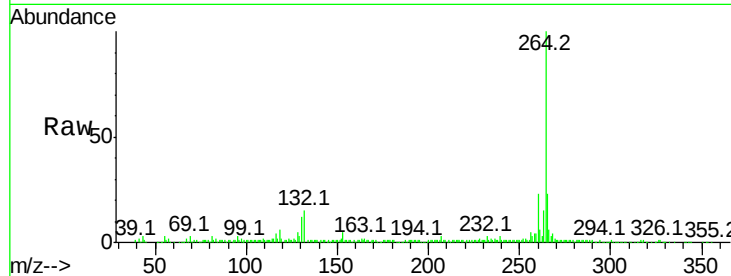
#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 15.44 min Scan# 1212
 Delta R.T. -0.00 min
 Lab File: BF087756.D
 Acq: 6 Jun 2016 17:14

Instrument :
 BNA_F
 ClientSampleId :
 SC-1437(0-4)

Tot Ion	Ratio	Resp Lower	Upper
264	100		
260	23.1	19.2	28.8
265	23.5	16.9	25.3

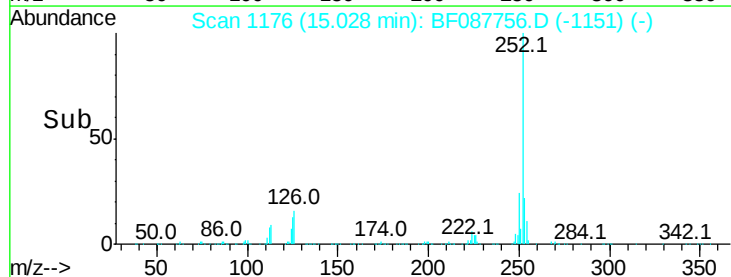
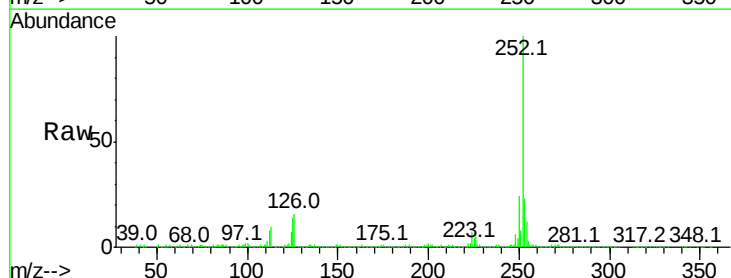
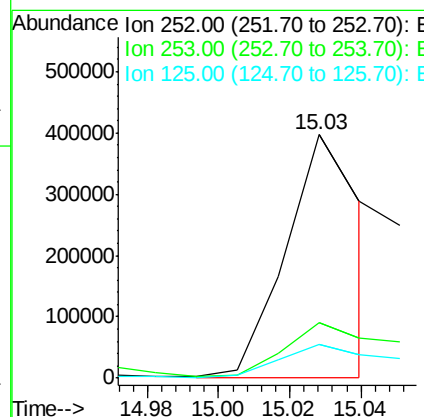
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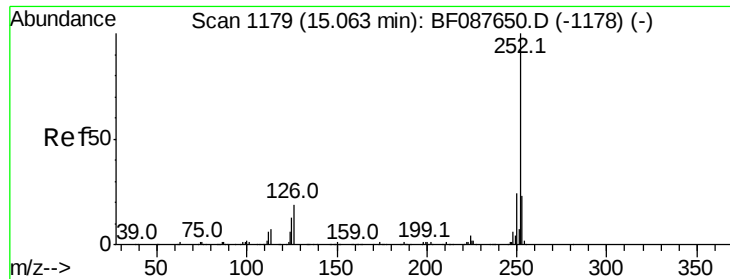
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#87
 Benzo(b)fluoranthene
 Concen: 43.98 ng m
 RT: 15.03 min Scan# 1176
 Delta R.T. -0.01 min
 Lab File: BF087756.D
 Acq: 6 Jun 2016 17:14

Tgt Ion	Ratio	Resp Lower	Upper
252	100		
253	22.9	17.4	26.2
125	13.8	7.1	10.7#





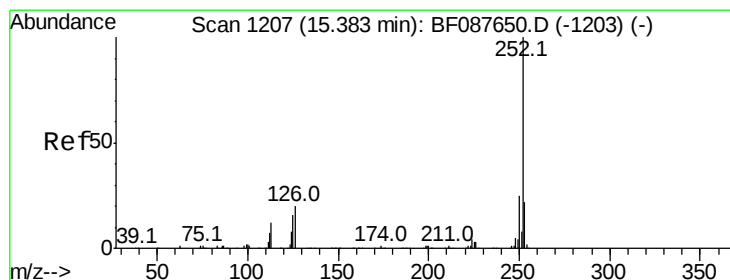
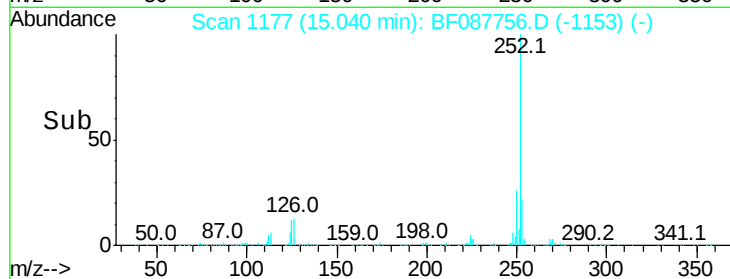
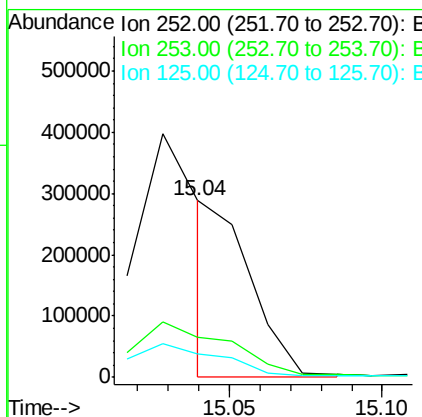
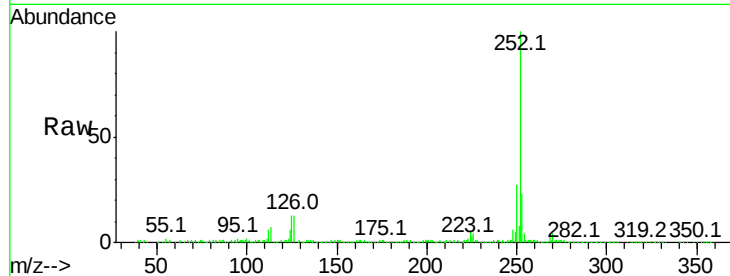
#88
Benzo(k)fluoranthene
Concen: 21.14 ng m
RT: 15.04 min Scan# 1177
Delta R.T. -0.02 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-1437(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
252	100	237265		
253	23.0	18.0	27.0	
125	13.2	11.2	16.8	

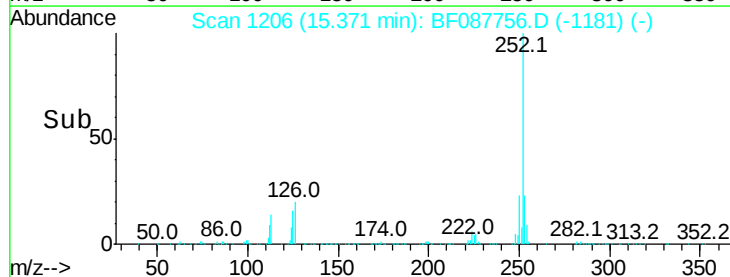
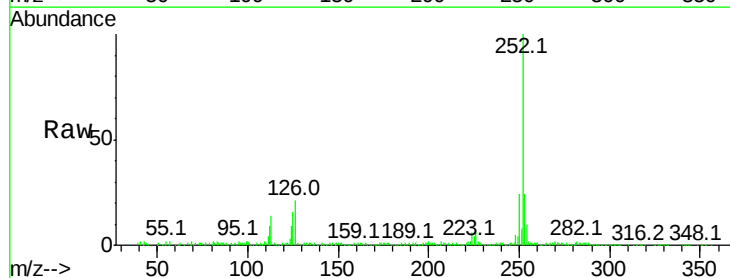
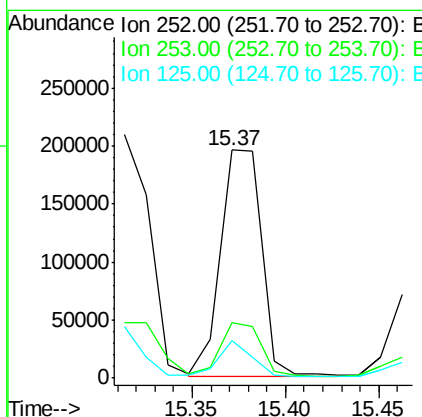
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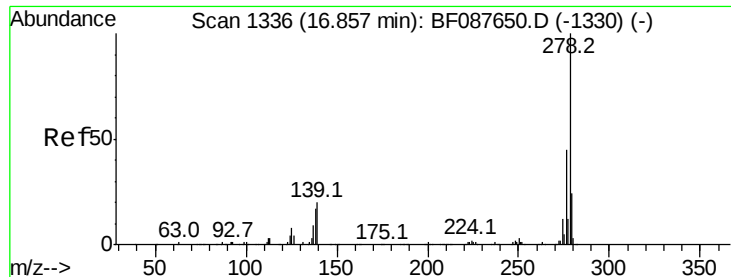
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#89
Benzo(a)pyrene
Concen: 26.56 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	301109		
253	24.3	17.9	26.9	
125	16.3	12.5	18.7	





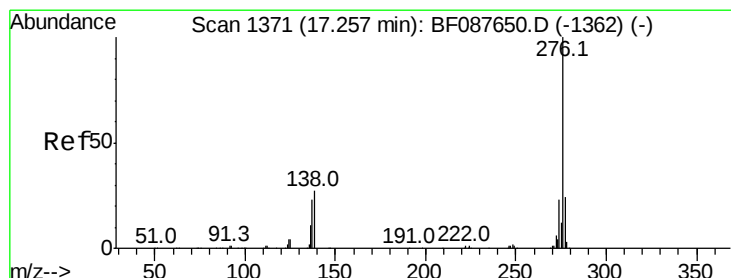
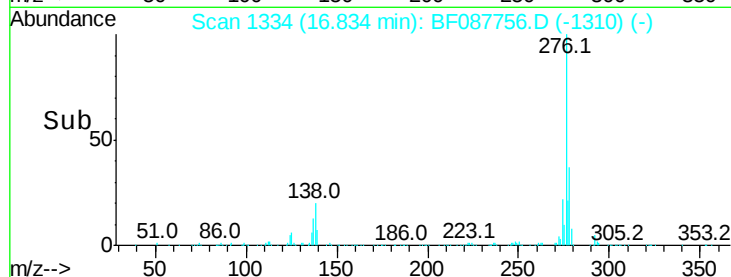
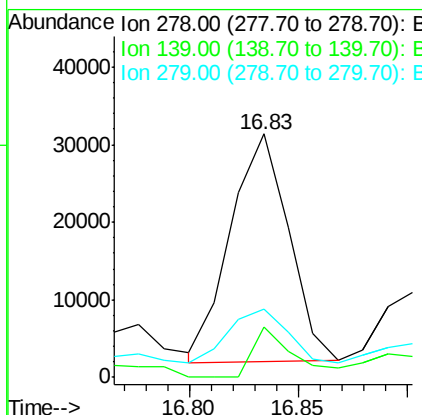
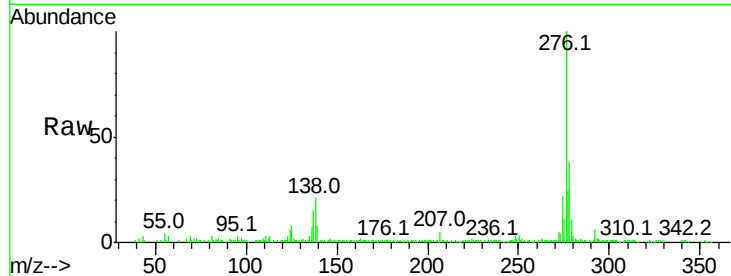
#90
Dibenzo(a,h)anthracene
Concen: 5.69 ng
RT: 16.83 min Scan# 1334
Delta R.T. -0.02 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Instrument :
BNA_F
ClientSampleId :
SC-1437(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.9	15.7	23.5
279	27.9	19.4	29.2

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#91
Benzo(g,h,i)perylene
Concen: 19.66 ng
RT: 17.25 min Scan# 1370
Delta R.T. -0.01 min
Lab File: BF087756.D
Acq: 6 Jun 2016 17:14

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.9	28.3
138	24.0	21.4	32.2

