

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087767.D
 Acq On : 6 Jun 2016 22:51
 Operator : UM/SJ
 Sample : H3365-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP2

Manual Integrations
 APPROVED

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Quant Time: Jun 07 02:20:15 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	119657	20.00	ng	-0.01
21) Naphthalene-d8	8.14	136	476322	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	181096	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	310587	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	231008	20.00	ng	-0.02
86) Perylene-d12	15.43	264	181730	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	662710	89.52	ng	0.00
7) Phenol-d6	6.48	99	783866	84.43	ng	-0.01
23) Nitrobenzene-d5	7.42	82	476179	57.84	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	134613	74.05	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	715081	54.28	ng	-0.02
78) Terphenyl-d14	12.96	244	538404	56.87	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	83288	6.33	ng	98
70) Phenanthrene	11.39	178	202827	12.04	ng	98
71) Anthracene	11.44	178	52890	3.13	ng	97
74) Fluoranthene	12.58	202	243561	14.70	ng	95
77) Pyrene	12.81	202	233705	14.21	ng	98
80) Benzo(a)anthracene	13.99	228	123307	9.25	ng	94
82) Chrysene	14.02	228	98231m	7.40	ng	
83) Bis(2-ethylhexyl)phthalate	14.00	149	19575	2.35	ng	# 92
85) Indeno(1,2,3-cd)pyrene	16.81	276	43473	3.96	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	100558m	8.51	ng	
88) Benzo(k)fluoranthene	15.03	252	53577m	5.45	ng	
89) Benzo(a)pyrene	15.37	252	71903	7.24	ng	98
91) Benzo(a,h,i)perylene	17.23	276	42611	4.99	ng	98

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

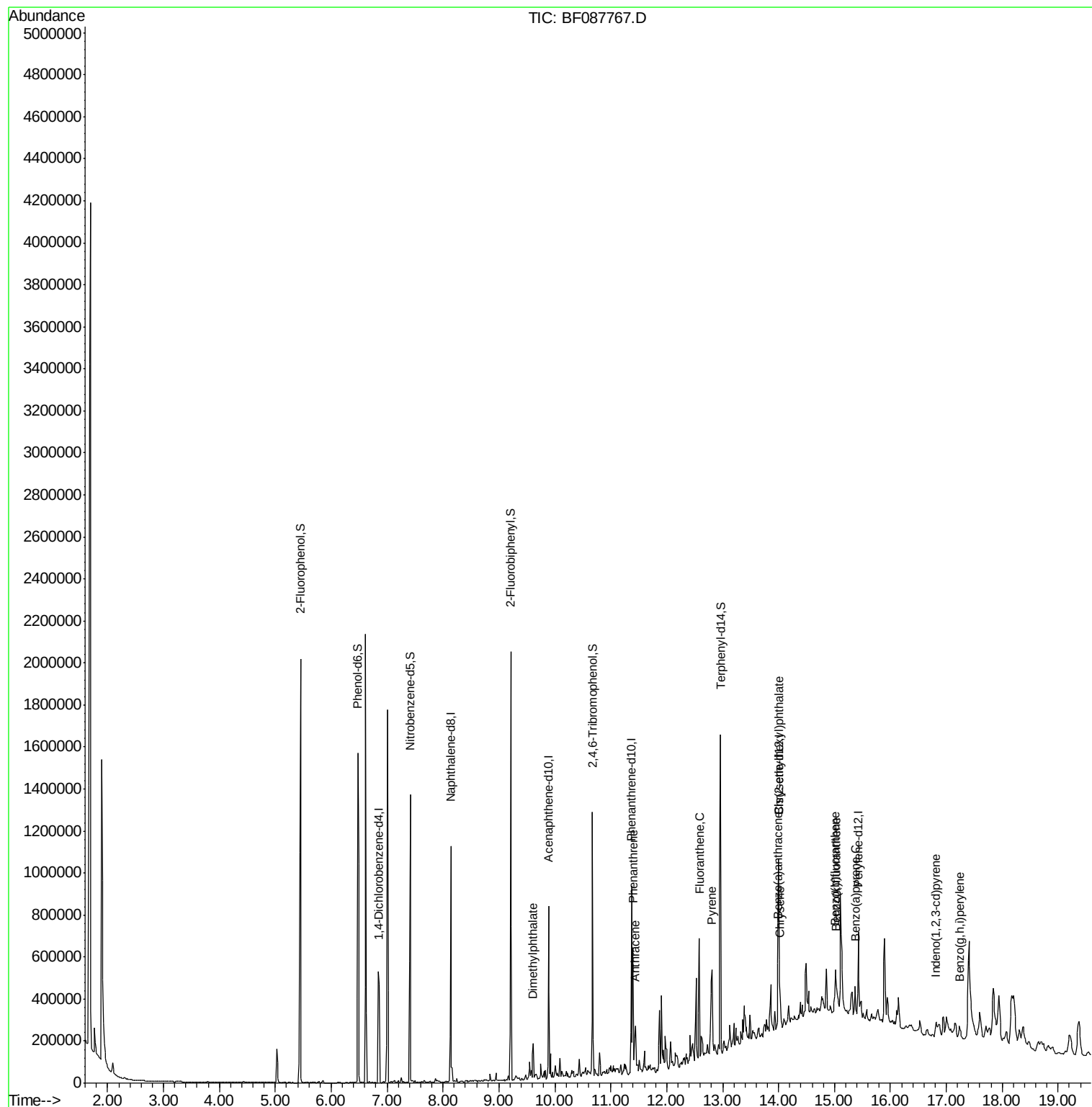
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087767.D
Acq On : 6 Jun 2016 22:51
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Sample : H3365-02
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ALS Vial : 25 Sample Multiplier: 1

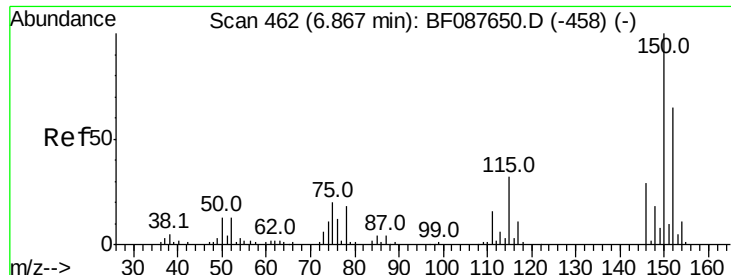
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Quant Time: Jun 07 02:20:15 2016
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#1

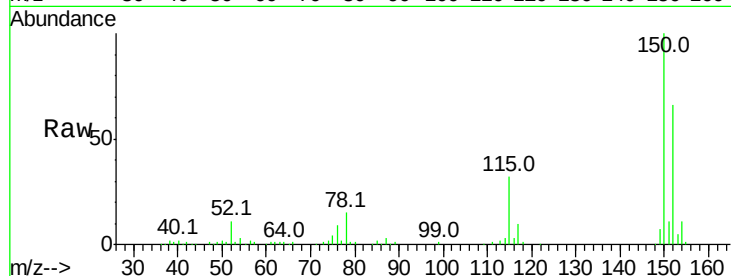
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.86 min Scan# 461
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampleId :
COMP2

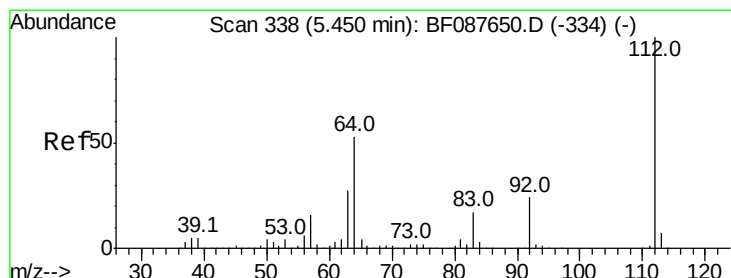
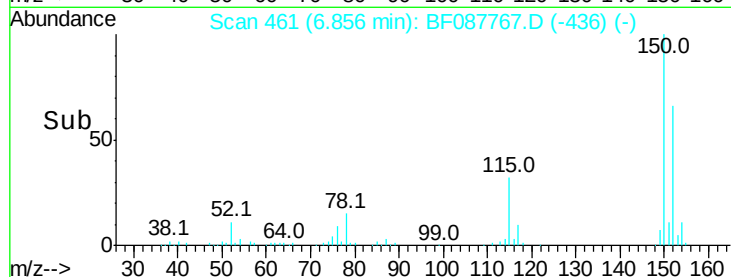
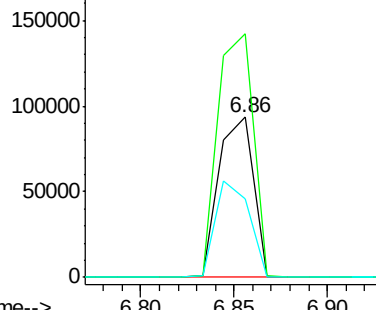
Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	123.8	185.6
115	48.8	39.6	59.4

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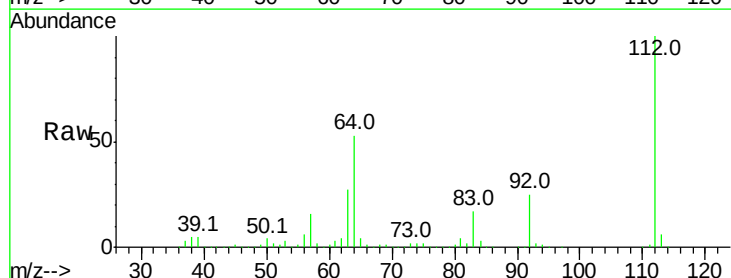
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



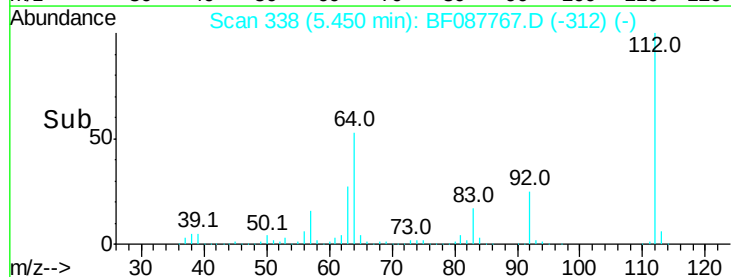
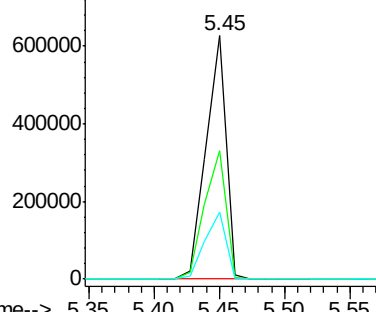
#5

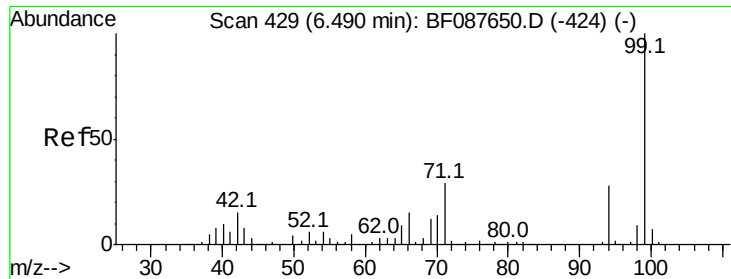
2-Fluorophenol
Concen: 89.52 ng
RT: 5.45 min Scan# 338
Delta R.T. 0.00 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.0	42.2	63.2
63	27.5	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 84.43 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

Instrument :

BNA_F

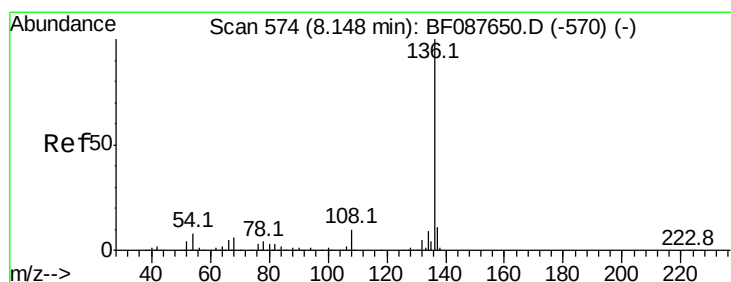
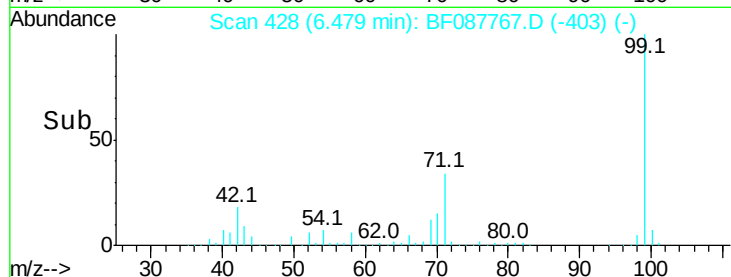
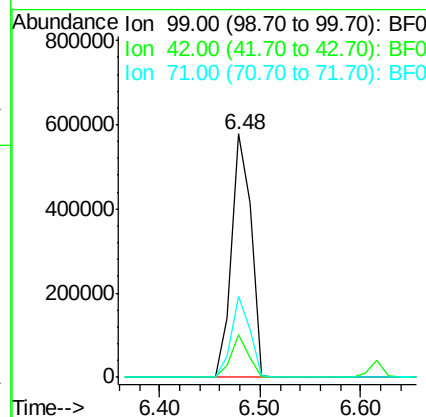
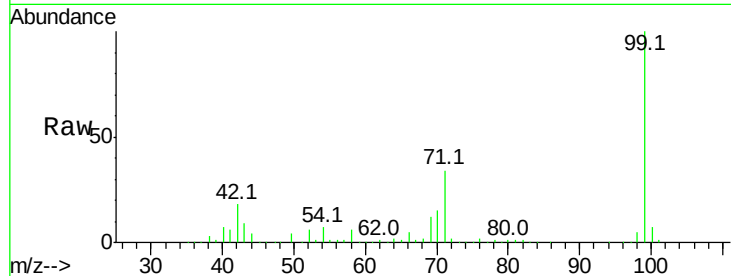
ClientSampleId :

COMP2

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		783866		
42	17.7	12.2	18.2		
71	33.5	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

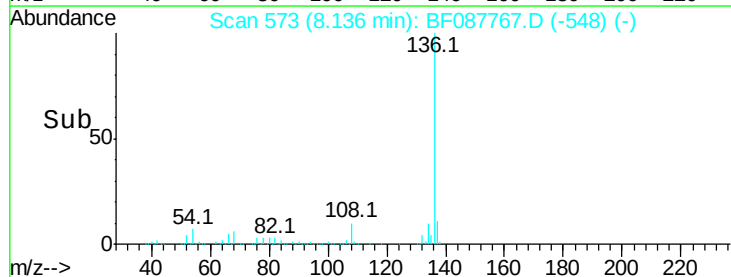
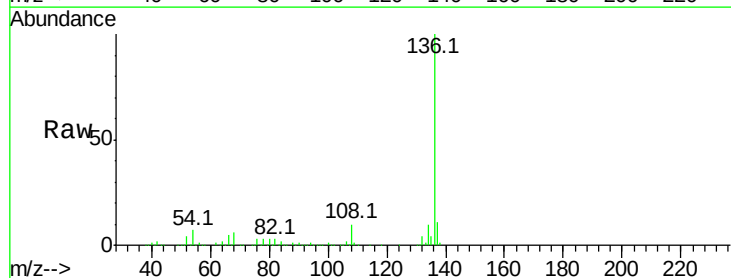
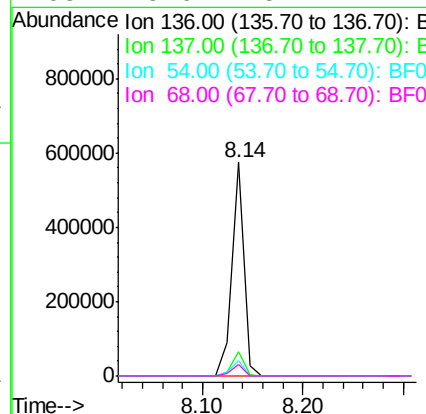
RT: 8.14 min Scan# 573

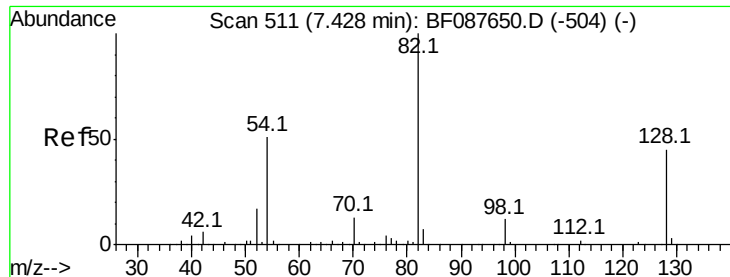
Delta R.T. -0.01 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		476322		
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: 57.84 ng

RT: 7.42 min Scan# 510

Delta R.T. -0.01 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

Instrument :

BNA_F

ClientSampleId :

COMP2

Tot Ion: 82 Resp: 476179

Ion Ratio Lower Upper

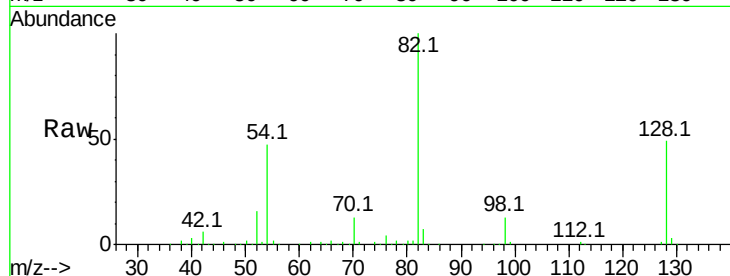
82 100

128 49.4 35.9 53.9

54 47.2 40.9 61.3

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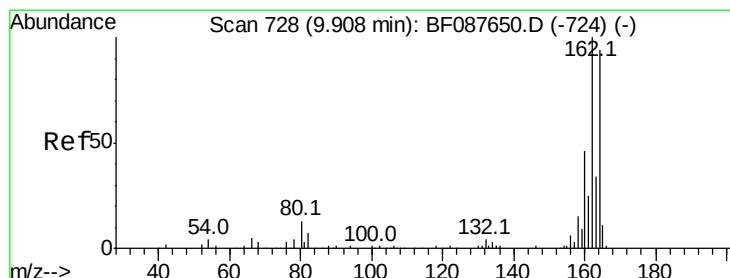
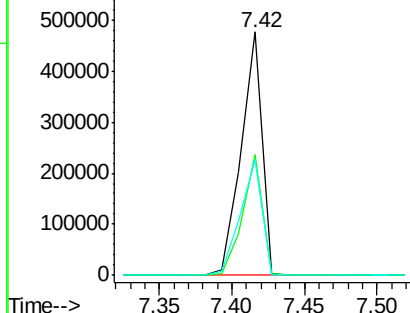
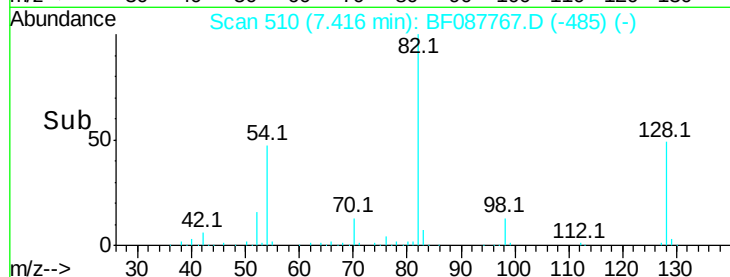
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Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 726

Delta R.T. -0.02 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

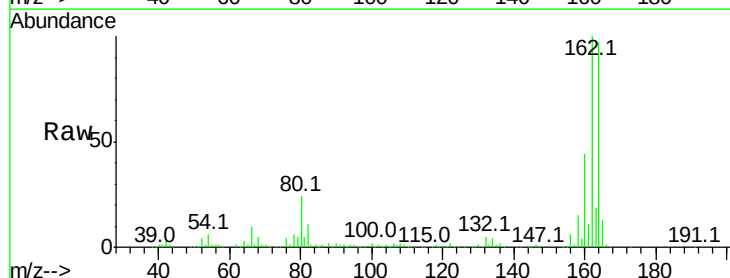
Tgt Ion: 164 Resp: 181096

Ion Ratio Lower Upper

164 100

162 103.2 85.4 128.2

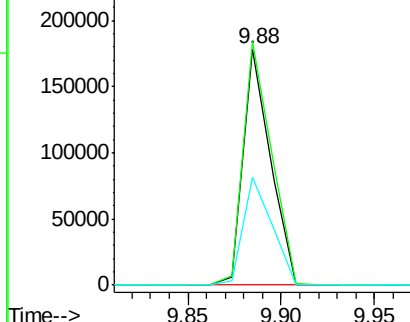
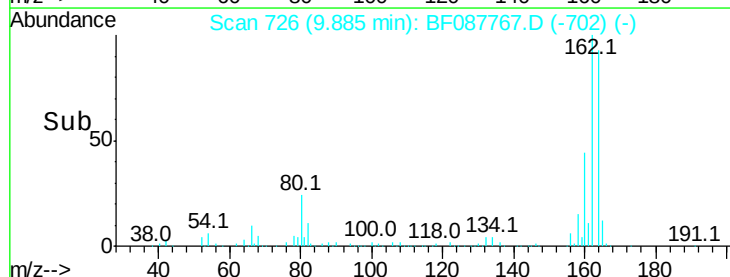
160 45.5 39.5 59.3

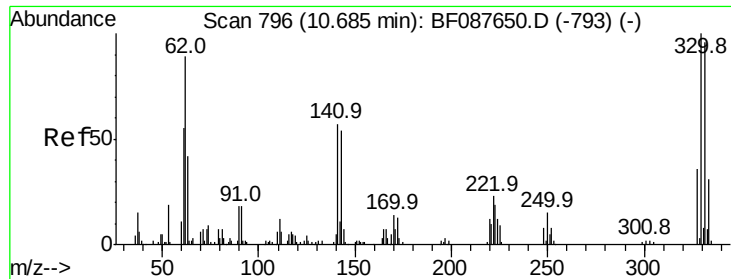


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 74.05 ng

RT: 10.67 min Scan# 795

Delta R.T. -0.01 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

Instrument :

BNA_F

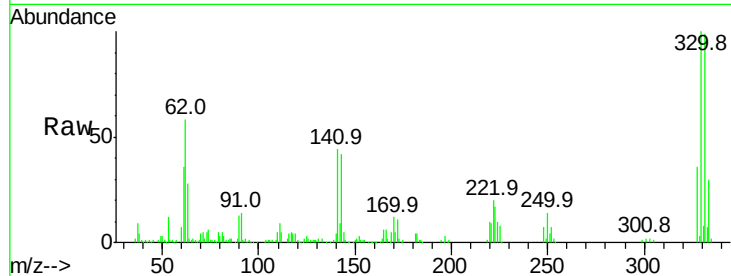
ClientSampled :

COMP2

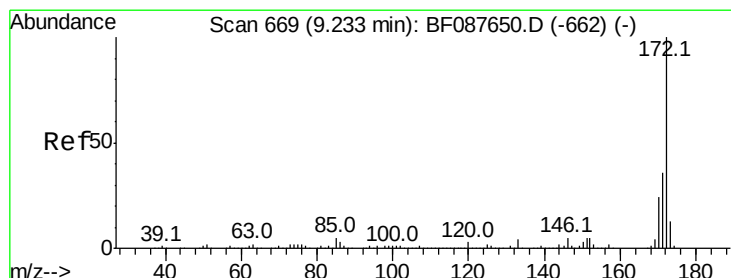
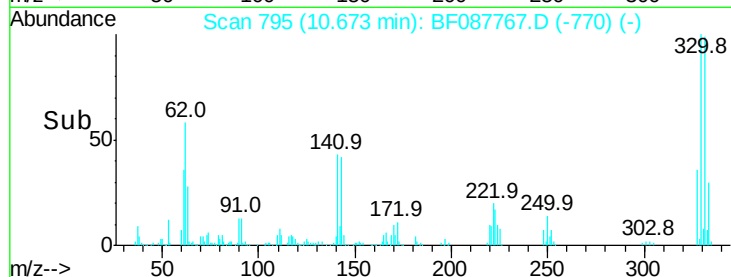
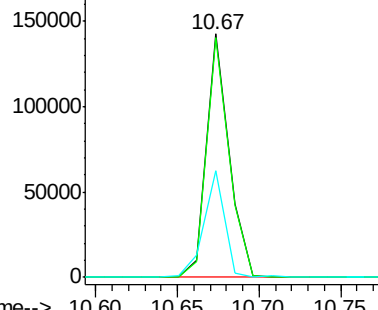
Tot Ion:	330	Resp:	134613
Ion Ratio		Lower	Upper
330	100		
332	98.5	0.0	0.0#
141	42.1	0.0	0.0#

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



#44

2-Fluorobiphenyl

Concen: 54.28 ng

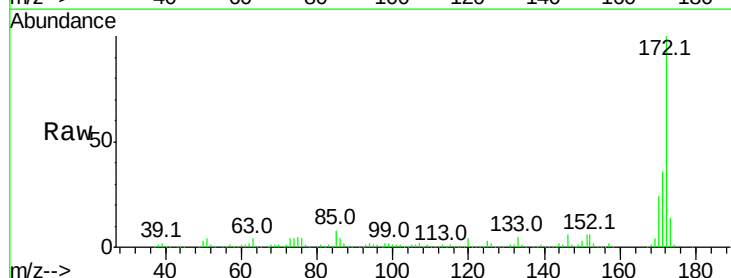
RT: 9.21 min Scan# 667

Delta R.T. -0.02 min

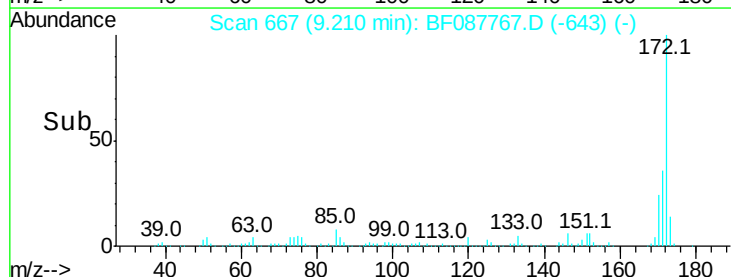
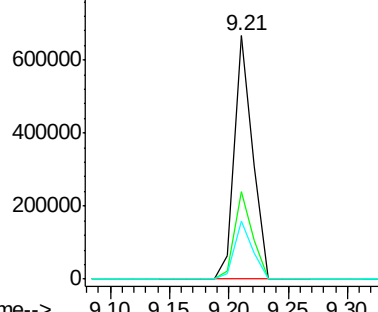
Lab File: BF087767.D

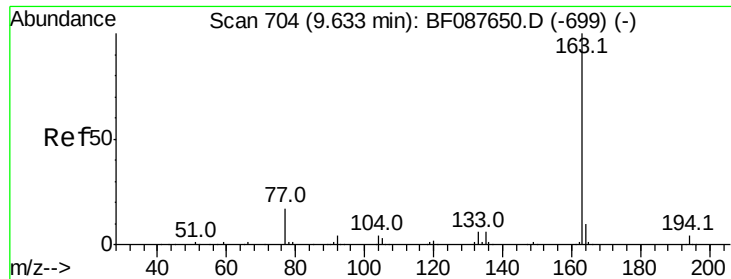
Acq: 6 Jun 2016 22:51

Tgt Ion:	172	Resp:	715081
Ion Ratio		Lower	Upper
172	100		
171	35.7	28.6	43.0
170	23.9	19.2	28.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





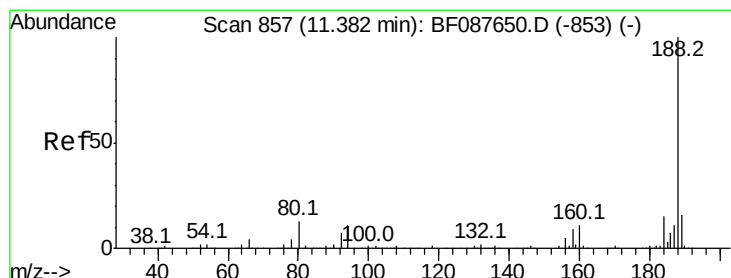
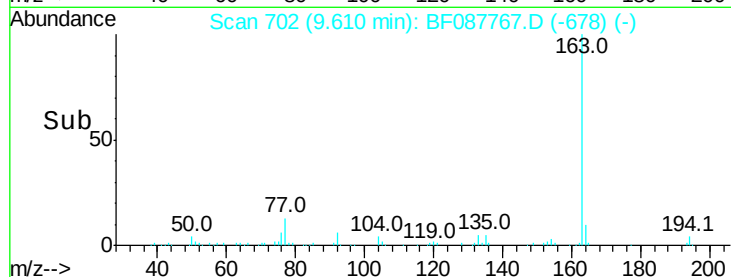
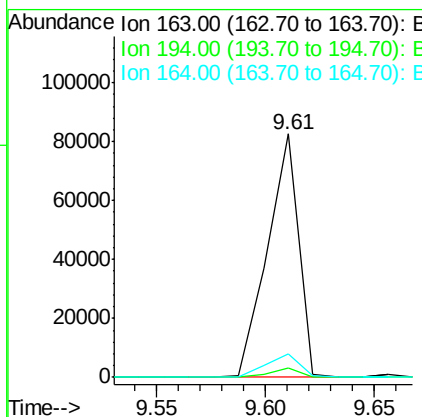
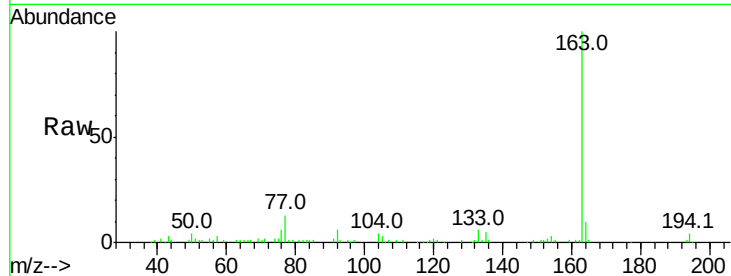
#49
Dimethylphthalate
Concen: 6.33 ng
RT: 9.61 min Scan# 702
Delta R.T. -0.02 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Resp	Lower	Upper
163	100	83288		
194	3.8		2.8	4.2
164	9.6		8.3	12.5

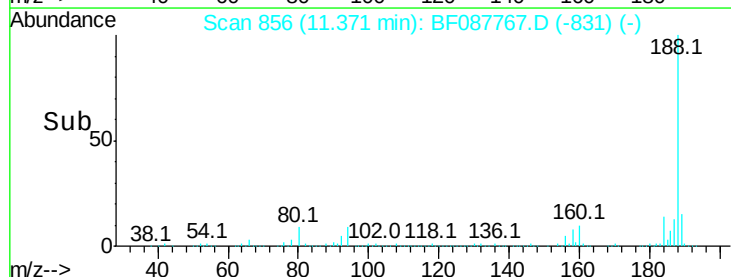
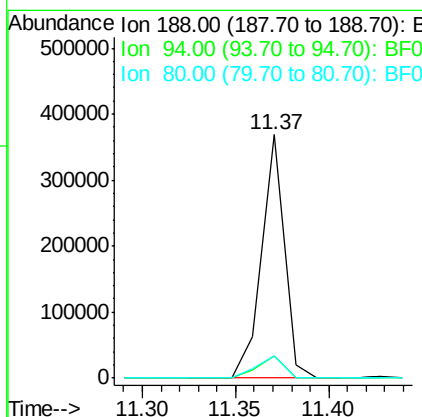
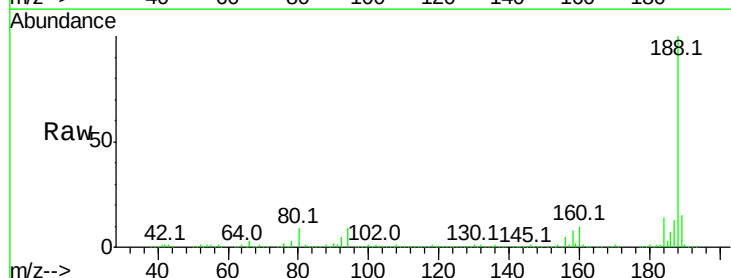
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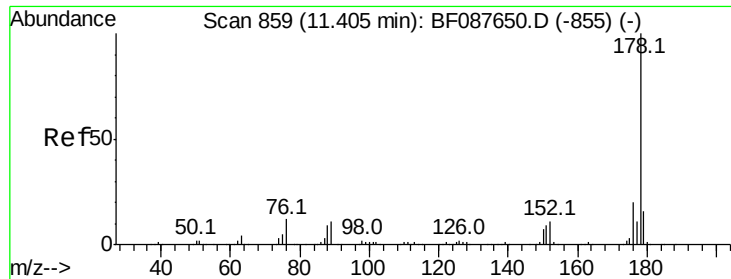
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	310587		
94	9.0		9.0	13.6#
80	9.2		10.0	15.0#





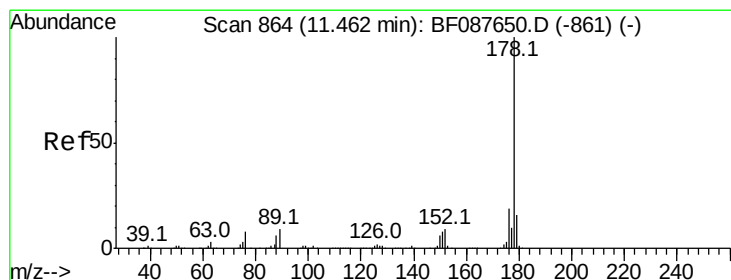
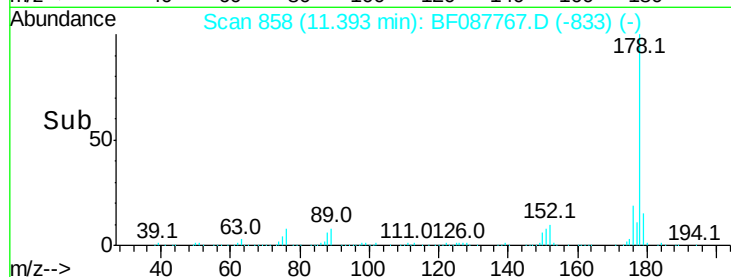
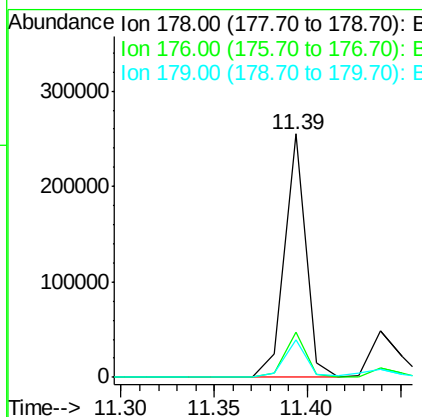
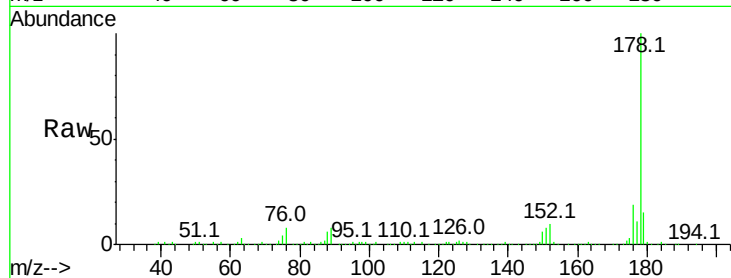
#70
Phenanthrene
Concen: 12.04 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.6
179	15.4	13.0	19.4

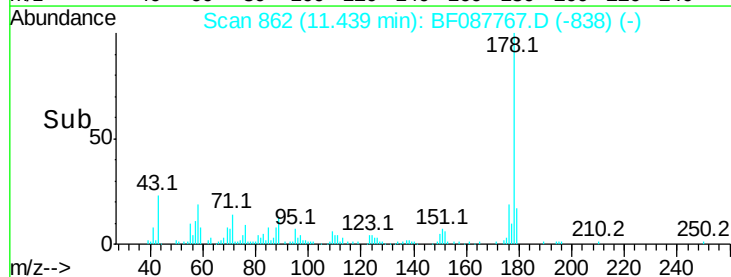
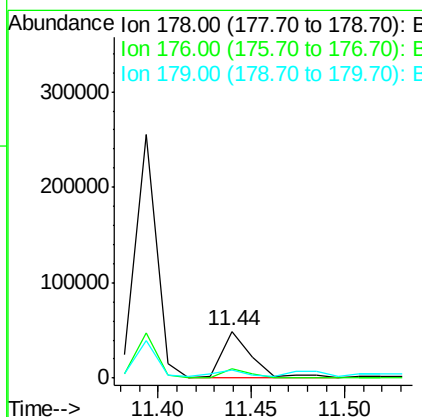
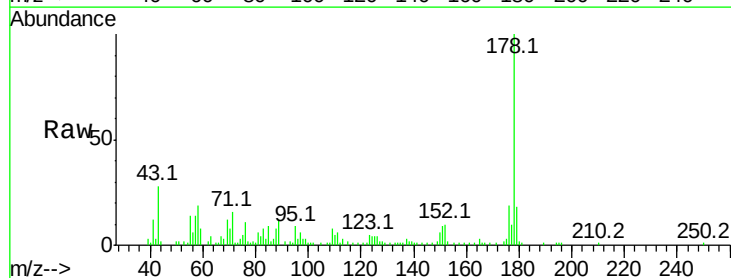
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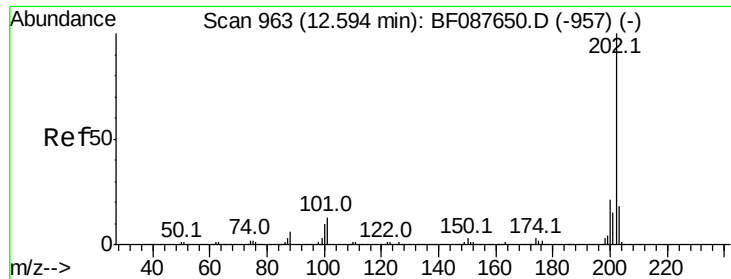
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#71
Anthracene
Concen: 3.13 ng
RT: 11.44 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.6	23.4
179	17.7	12.8	19.2





#74

Fluoranthene

Concen: 14.70 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

Instrument :

BNA_F

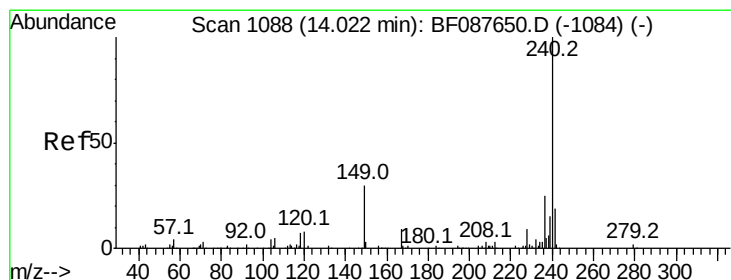
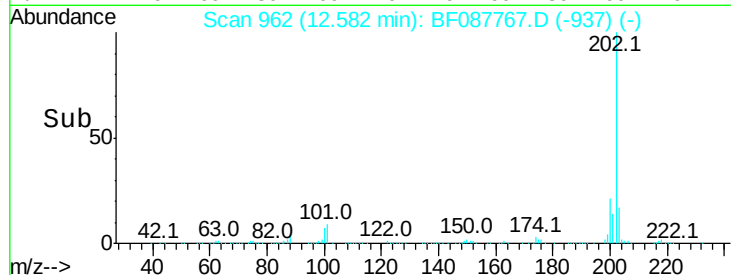
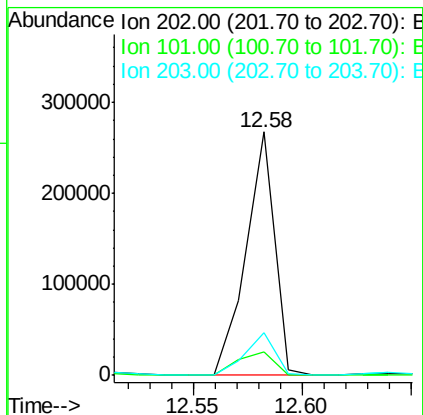
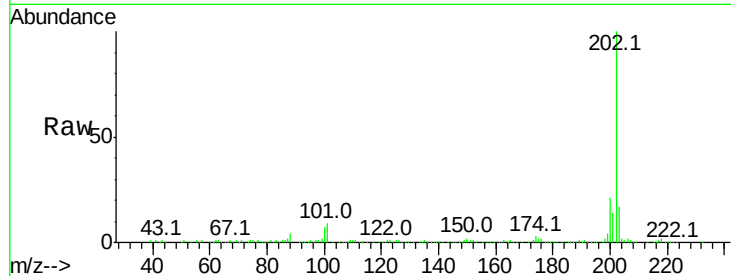
ClientSampleId :

COMP2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	9.4	0.0	33.1
203	17.5	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

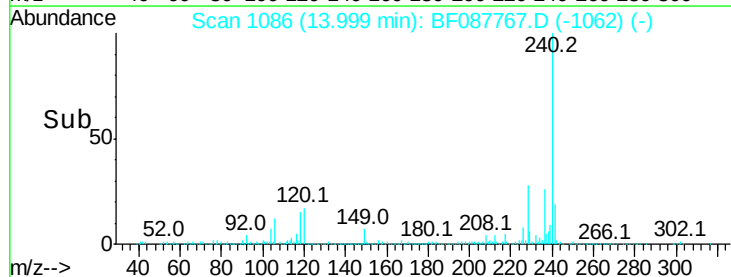
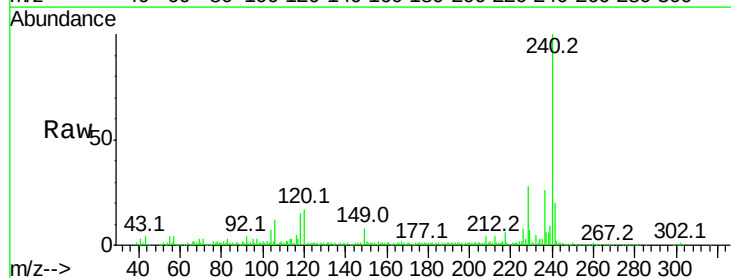
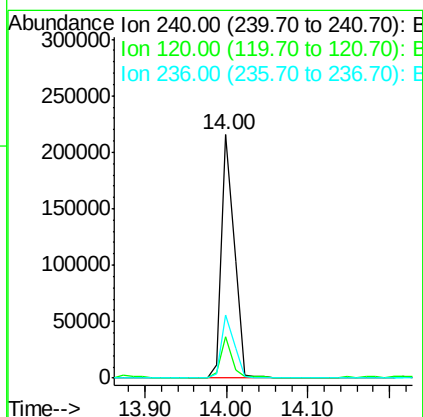
RT: 14.00 min Scan# 1086

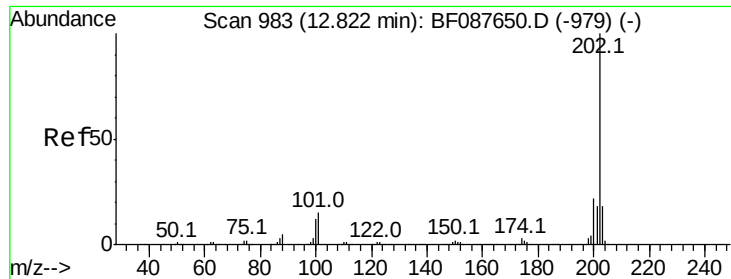
Delta R.T. -0.02 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	17.2	6.8	10.2#
236	25.9	20.2	30.2





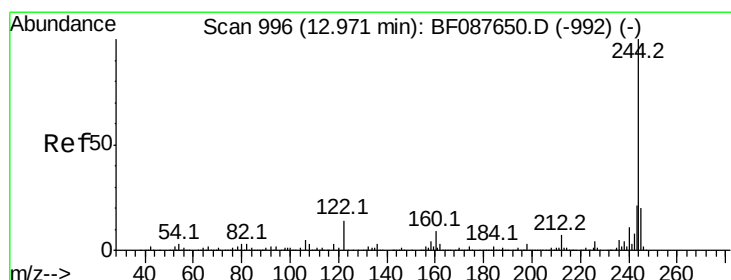
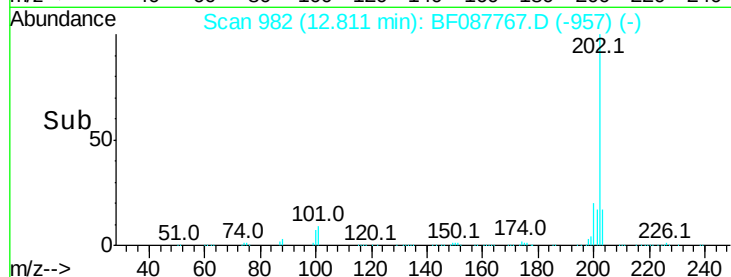
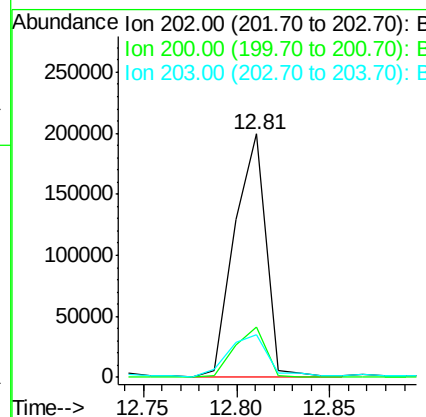
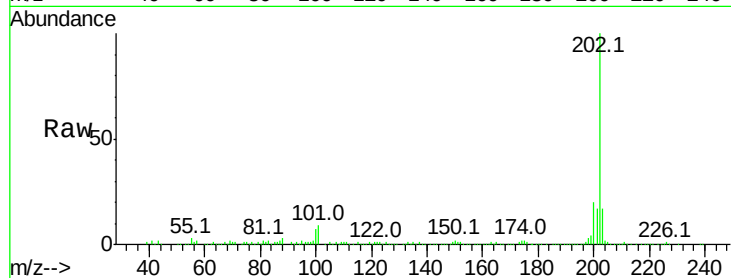
#77
Pvrene
Concen: 14.21 ng
RT: 12.81 min Scan# 982
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	20.4	17.4	26.2
203	17.4	14.5	21.7

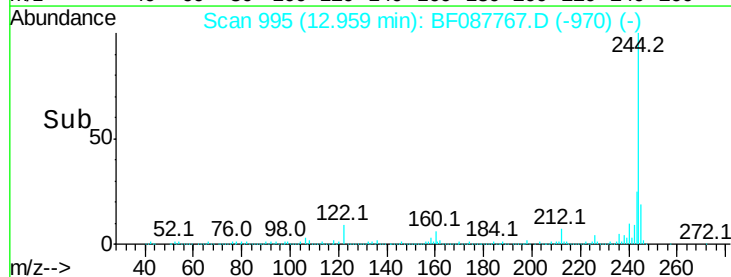
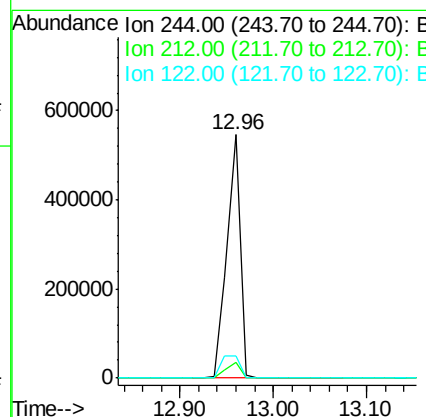
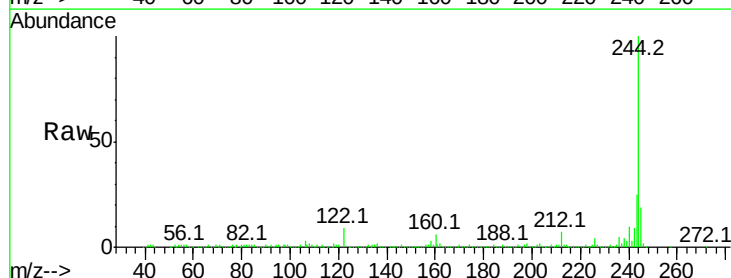
Manual Integrations
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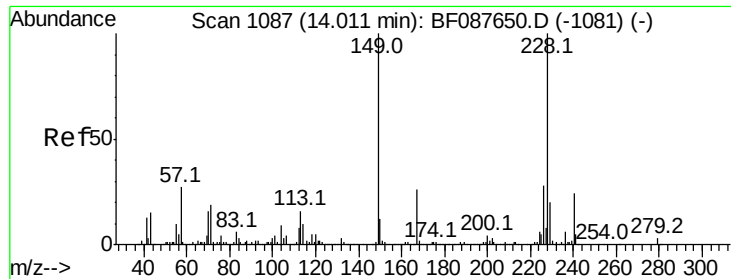
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#78
Terphenyl-d14
Concen: 56.87 ng
RT: 12.96 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	6.0	9.0
122	8.9	11.2	16.8#





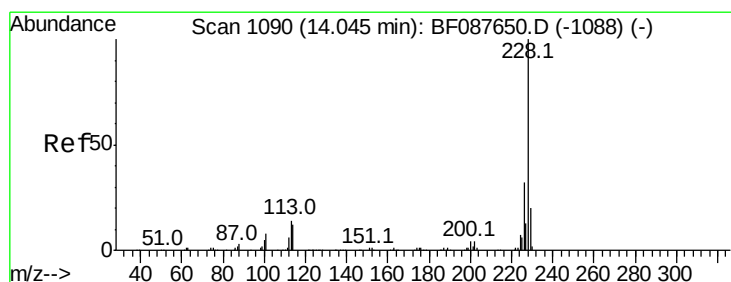
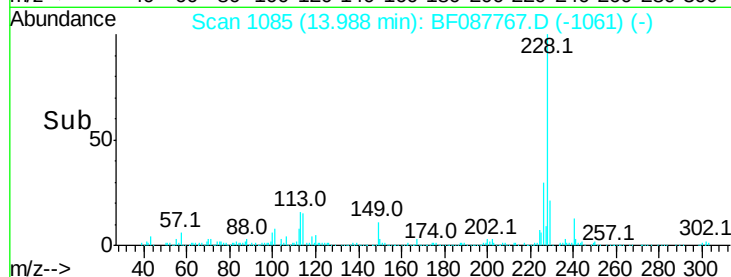
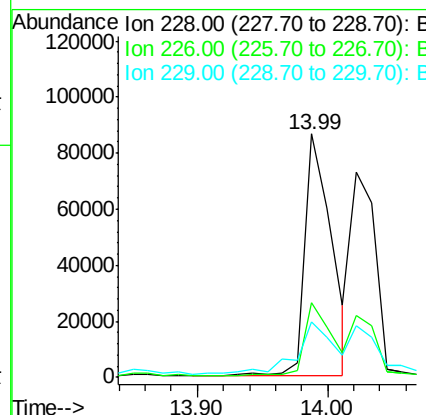
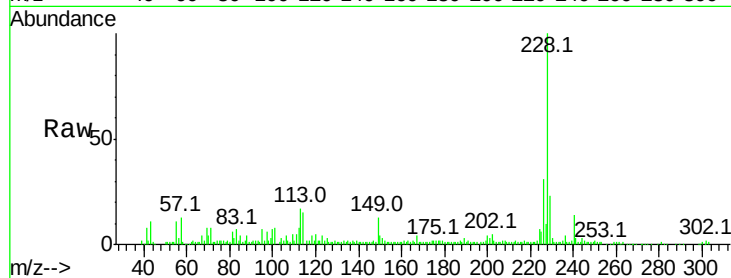
#80
Benzo(a)anthracene
Concen: 9.25 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampled :
COMP2

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.7	22.3	33.5
229	22.7	16.0	24.0

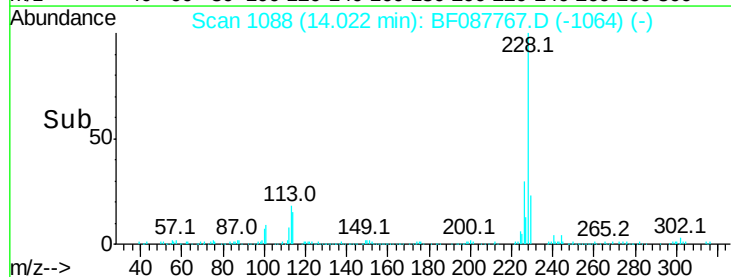
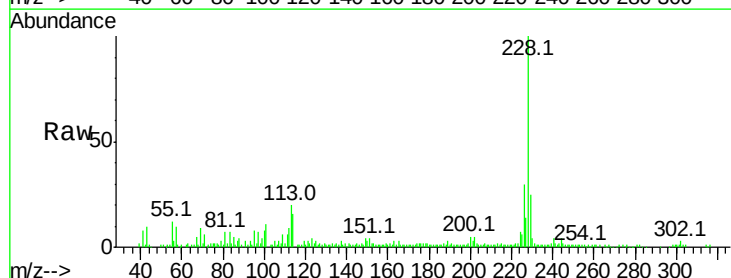
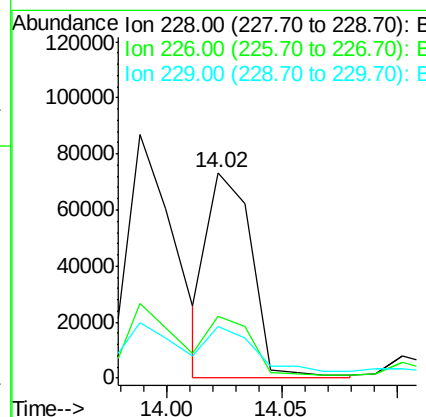
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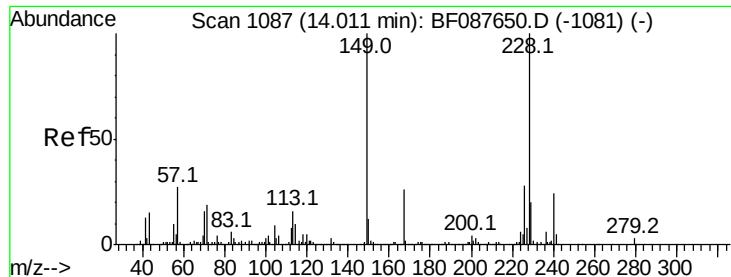
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#82
Chrysene
Concen: 7.40 ng m
RT: 14.02 min Scan# 1088
Delta R.T. -0.02 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.4	38.2
229	25.0	16.3	24.5





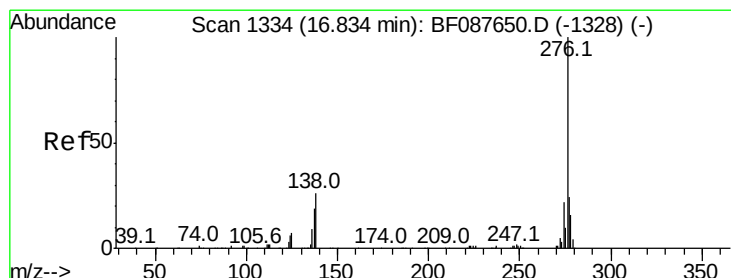
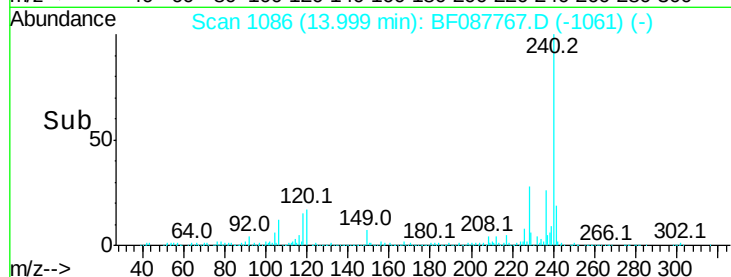
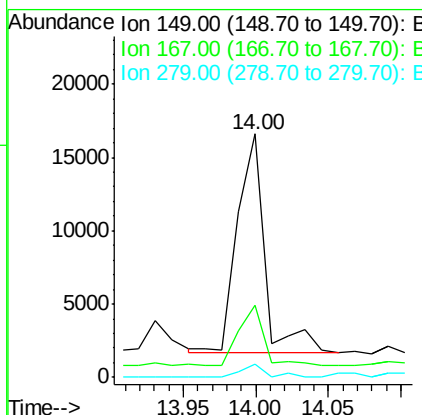
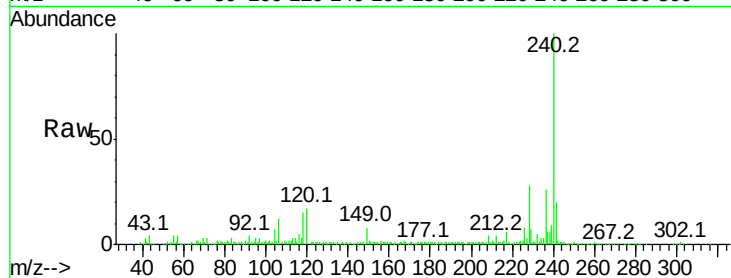
#83
Bis(2-ethylhexyl)phthalate
Concen: 2.35 ng
RT: 14.00 min Scan# 1086
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Lower	Upper
149	100		
167	29.7	20.5	30.7
279	5.3	2.0	3.0

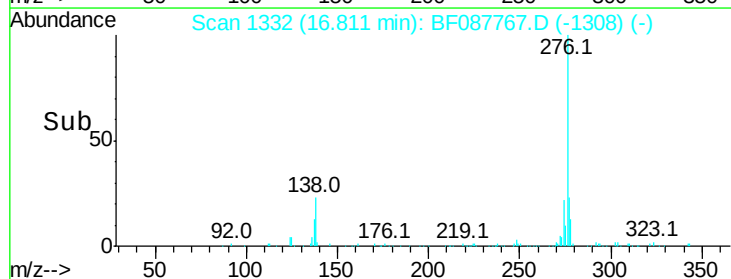
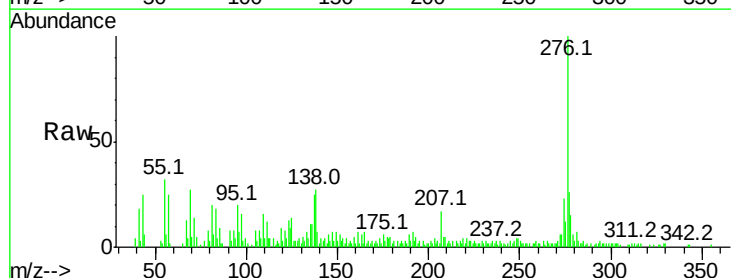
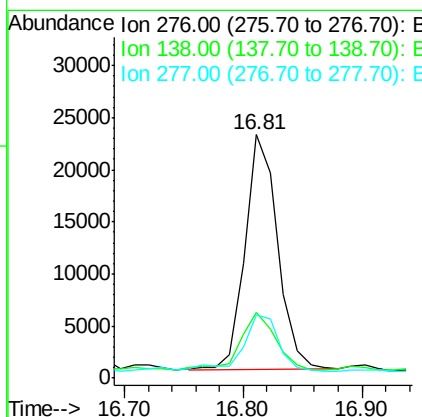
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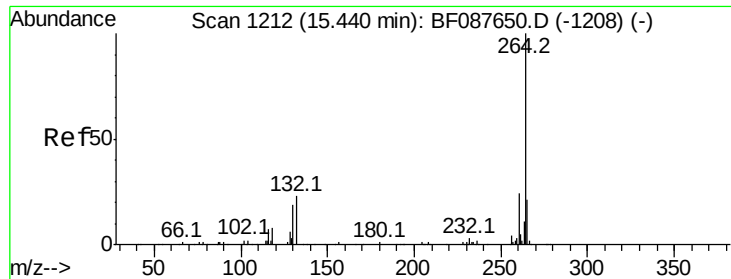
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.96 ng
RT: 16.81 min Scan# 1332
Delta R.T. -0.02 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.0	0.0	0.0
277	28.3	0.0	0.0





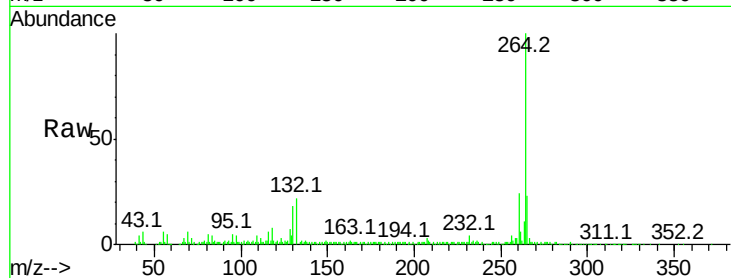
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.6	19.2	28.8	
265	22.8	16.9	25.3	

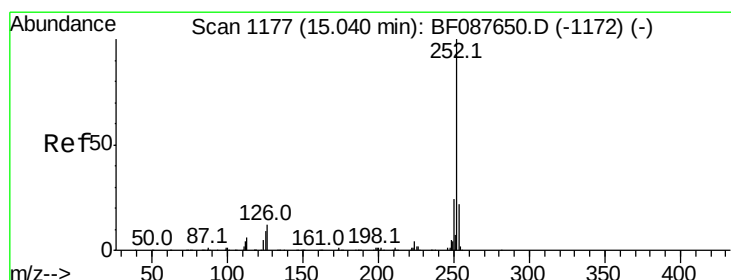
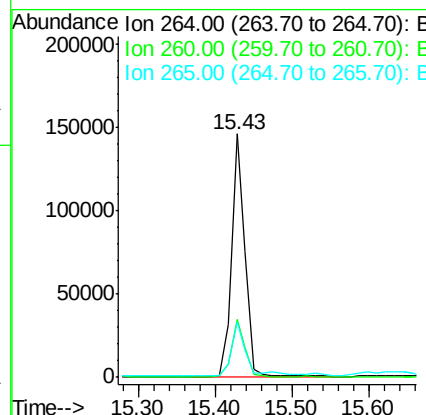
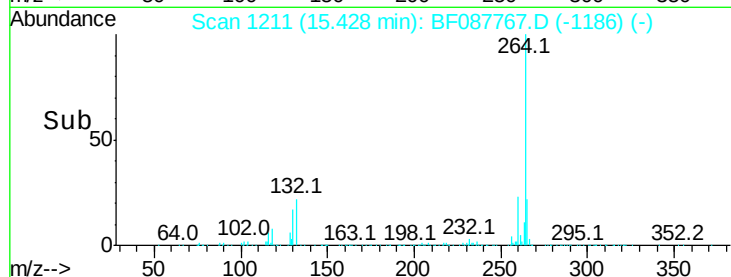
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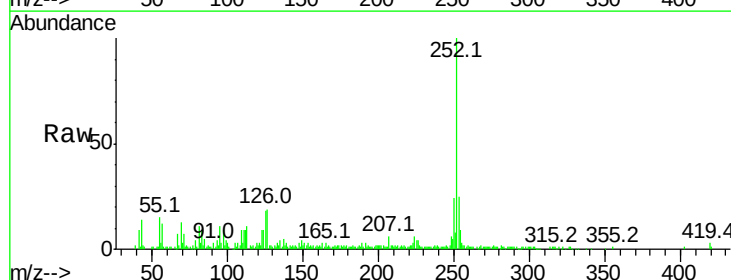
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

15.43



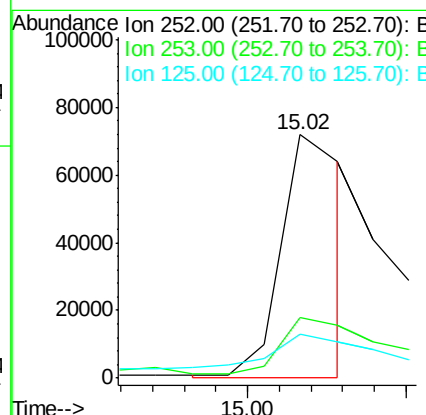
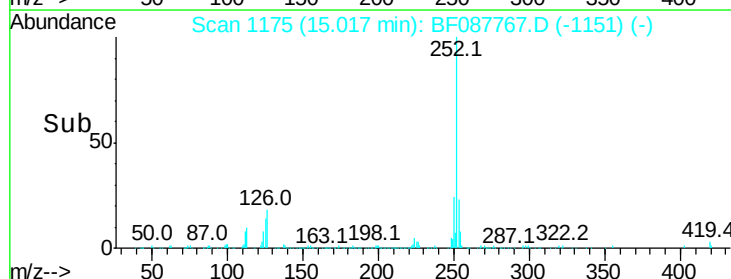
#87
Benzo(b)fluoranthene
Concen: 8.51 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

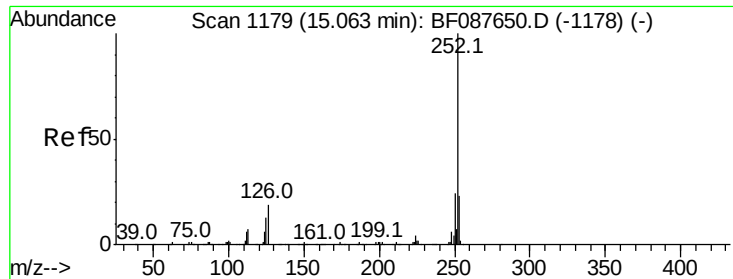
Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.8	17.4	26.2	
125	18.1	7.1	10.7#	



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

15.02





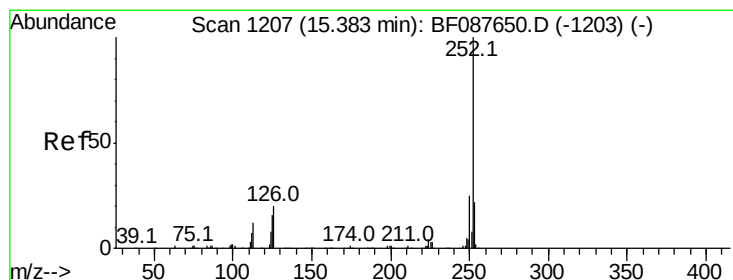
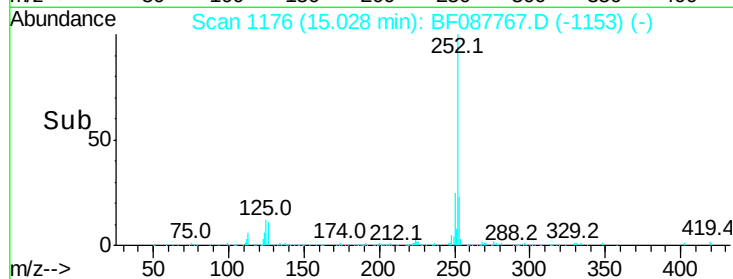
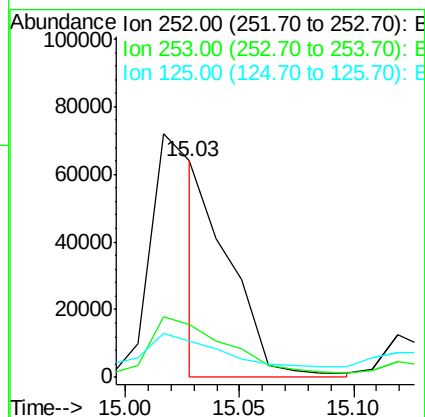
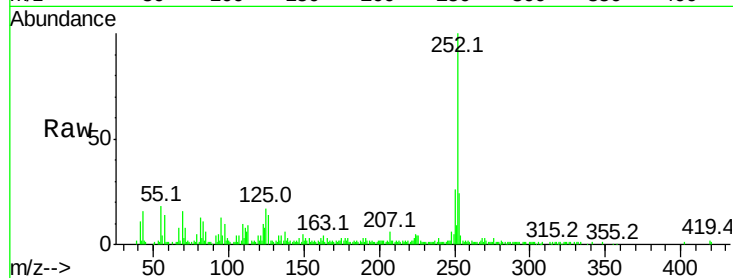
#88
Benzo(k)fluoranthene
Concen: 5.45 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.03 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	17.0	11.2	16.8

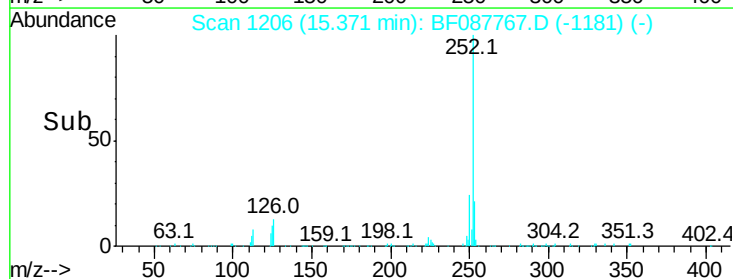
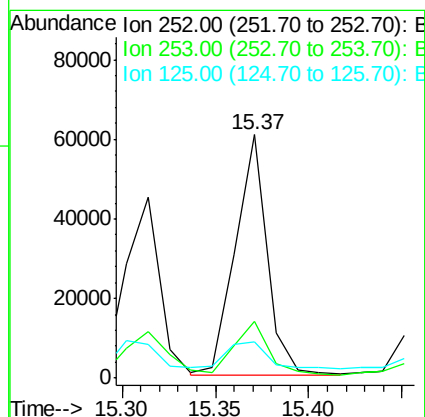
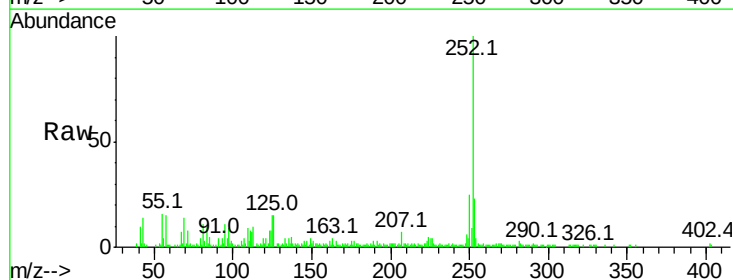
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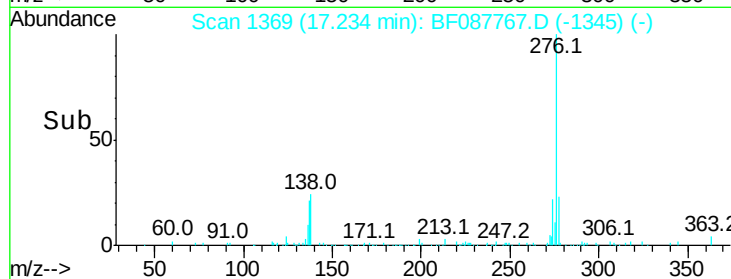
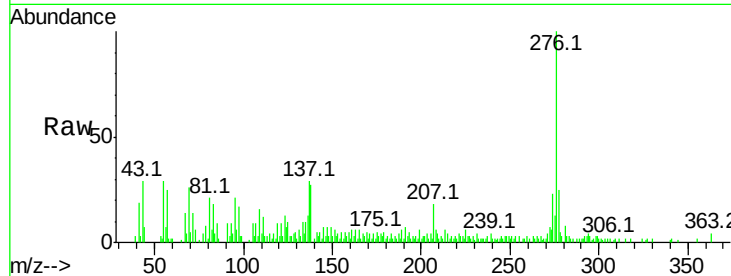
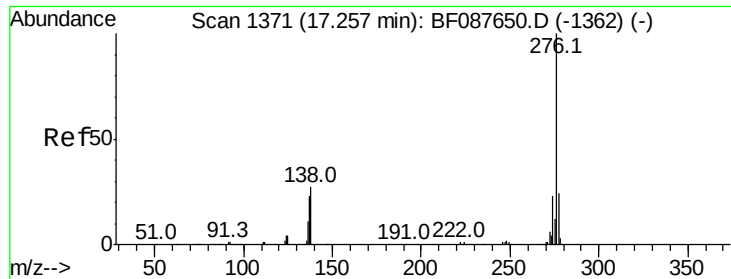
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#89
Benzo(a)pyrene
Concen: 7.24 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087767.D
Acq: 6 Jun 2016 22:51

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	15.1	12.5	18.7





#91

Benzo(a,h,i)perylene

Concen: 4.99 ng

RT: 17.23 min Scan# 1369

Delta R.T. -0.02 min

Lab File: BF087767.D

Acq: 6 Jun 2016 22:51

Instrument :

BNA_F

ClientSampleId :

COMP2

Tot Ion:	276	Resp:	42611
Ion Ratio	Lower	Upper	
276	100		
277	25.1	18.9	28.3
138	27.1	21.4	32.2

Manual Integrations
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