

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
 Data File : BF087770.D
 Acq On : 7 Jun 2016 2:26
 Operator : UM/SJ
 Sample : H3365-02
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP2

Manual Integrations
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Quant Time: Jun 07 07:15:16 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	118060	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	476733	20.00	ng	-0.01
38) Acenaphthene-d10	9.88	164	184480	20.00	ng	-0.02
63) Phenanthrene-d10	11.37	188	319500	20.00	ng	-0.01
75) Chrysene-d12	14.00	240	235984	20.00	ng	-0.02
86) Perylene-d12	15.43	264	180326	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	668274	91.49	ng	0.00
7) Phenol-d6	6.48	99	708934	77.39	ng	-0.01
23) Nitrobenzene-d5	7.42	82	487118	59.12	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	143166	77.31	ng	-0.01
44) 2-Fluorobiphenyl	9.21	172	693562	51.15	ng	-0.02
78) Terphenyl-d14	12.96	244	532878	55.10	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.61	163	85790	6.40	ng	98
70) Phenanthrene	11.39	178	202042	11.66	ng	98
71) Anthracene	11.44	178	56083	3.23	ng	97
74) Fluoranthene	12.58	202	230602	13.53	ng	93
77) Pyrene	12.80	202	231949	13.80	ng	98
80) Benzo(a)anthracene	13.99	228	129076	9.48	ng	97
82) Chrysene	14.02	228	93637m	6.91	ng	
83) Bis(2-ethylhexyl)phthalate	13.99	149	19835	2.33	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.81	276	42951	3.83	ng	# 100
87) Benzo(b)fluoranthene	15.02	252	103895m	8.86	ng	
88) Benzo(k)fluoranthene	15.03	252	46884m	4.80	ng	
89) Benzo(a)pyrene	15.37	252	70456	7.15	ng	97
91) Benzo(a,h,i)perylene	17.23	276	42262	4.99	ng	97

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

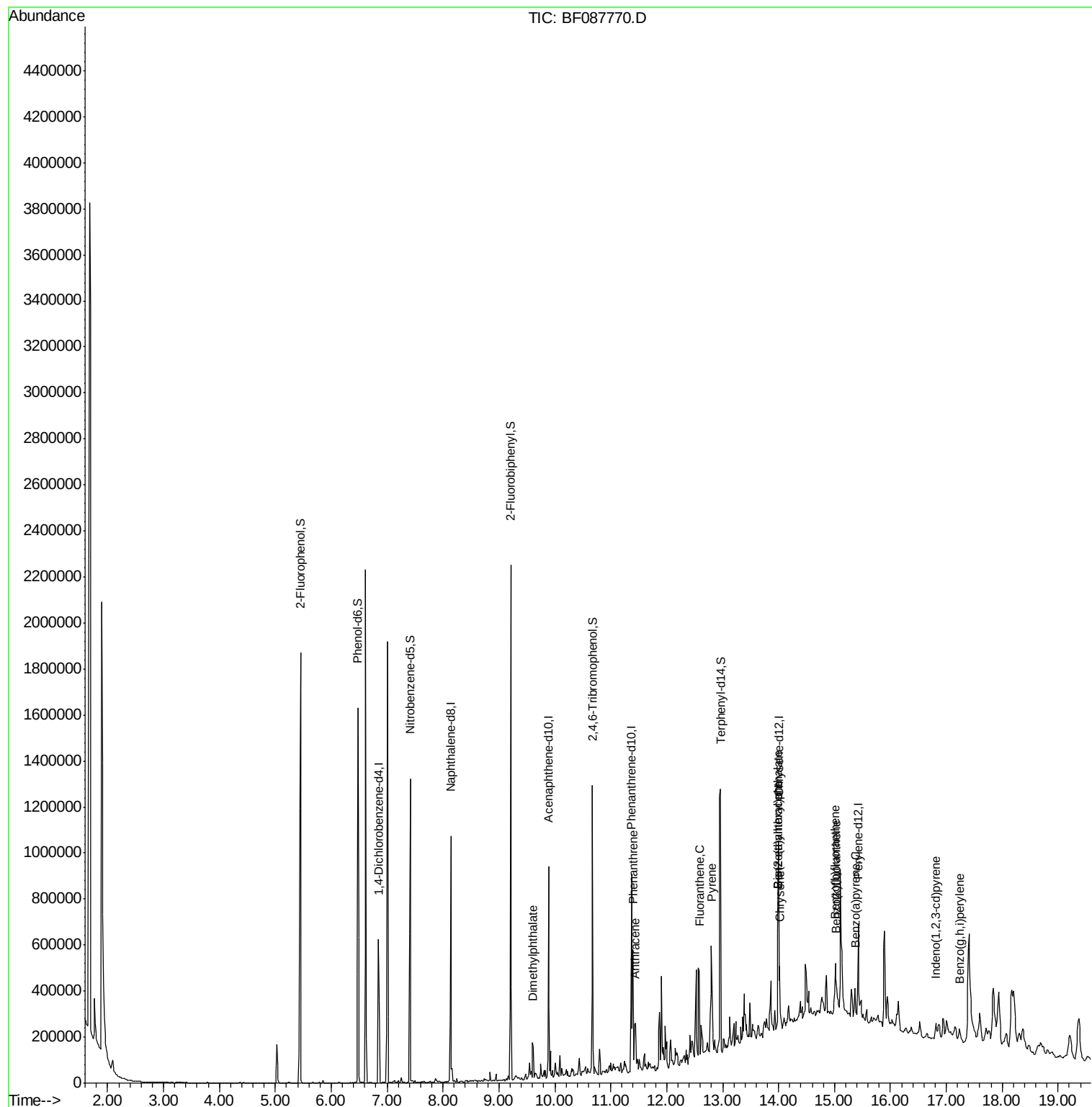
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060616\
Data File : BF087770.D
Acq On : 7 Jun 2016 2:26
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Sample : H3365-02
Misc :
ALS Vial : 25 Sample Multiplier: 1

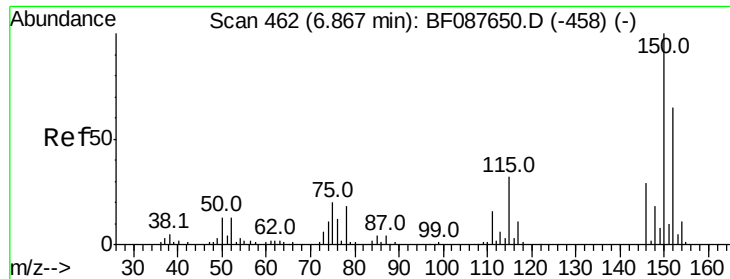
Instrument :
BNA_F
ClientSampleId :
COMP2

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Quant Time: Jun 07 07:15:16 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 460

Delta R.T. -0.02 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Instrument :

BNA_F

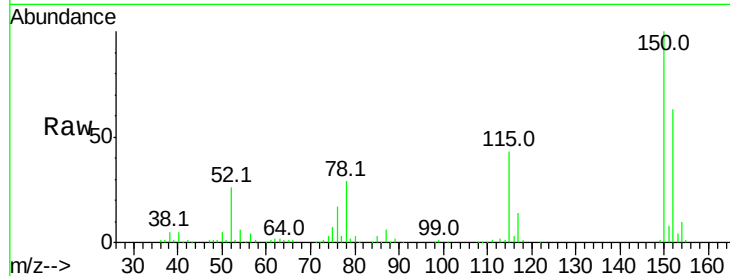
ClientSampleId :

COMP2

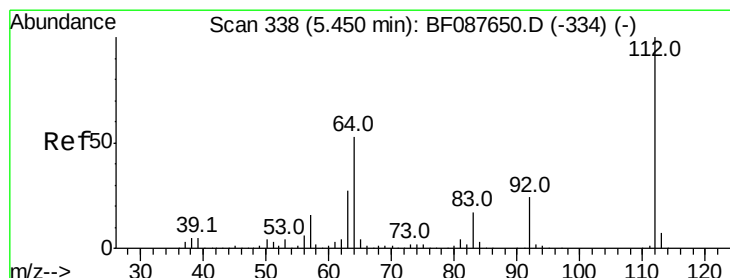
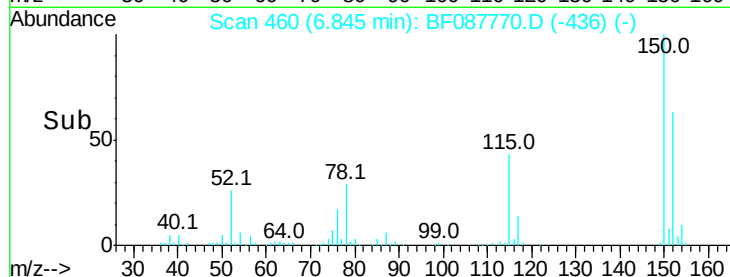
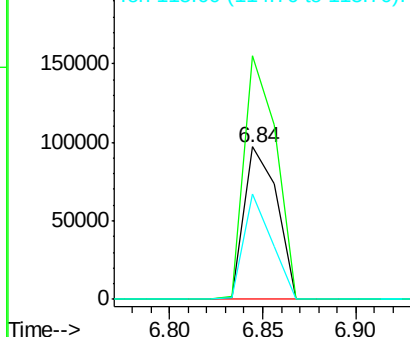
Tot Ion:	152	Resp:	118060
Ion Ratio	Lower	Upper	
152	100		
150	160.0	123.8	185.6
115	69.3	39.6	59.4#

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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: 91.49 ng

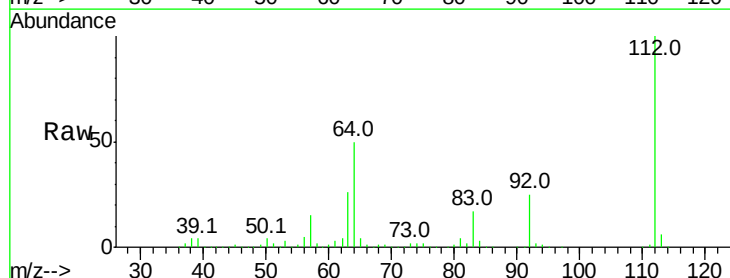
RT: 5.45 min Scan# 338

Delta R.T. 0.00 min

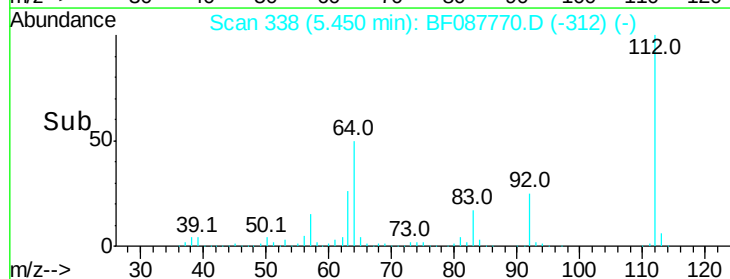
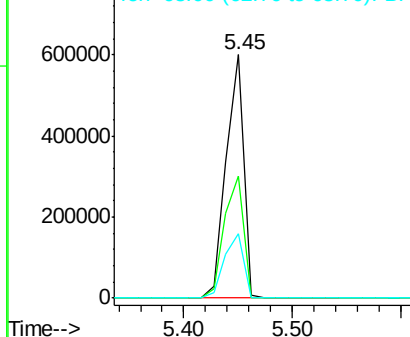
Lab File: BF087770.D

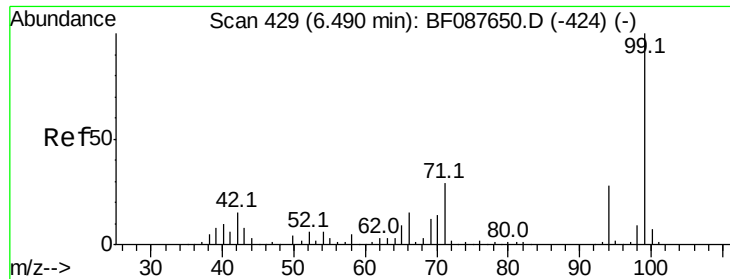
Acq: 7 Jun 2016 2:26

Tgt Ion:	112	Resp:	668274
Ion Ratio	Lower	Upper	
112	100		
64	50.3	42.2	63.2
63	26.2	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: 77.39 ng

RT: 6.48 min Scan# 428

Delta R.T. -0.01 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Instrument :

BNA_F

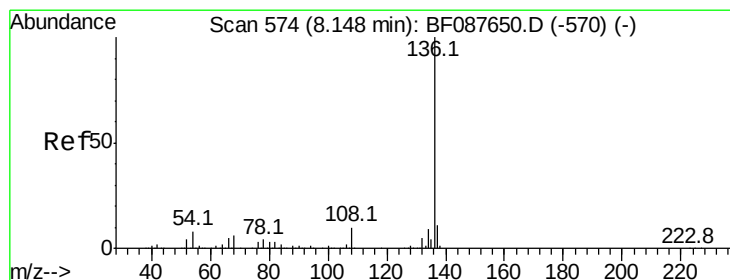
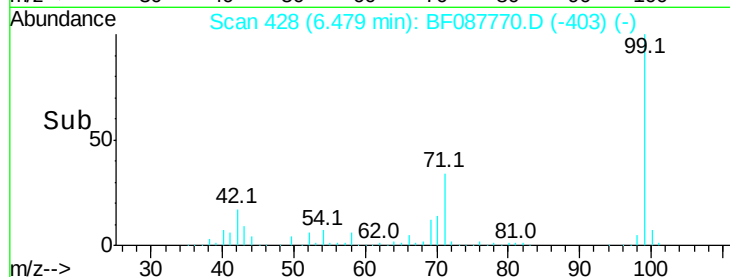
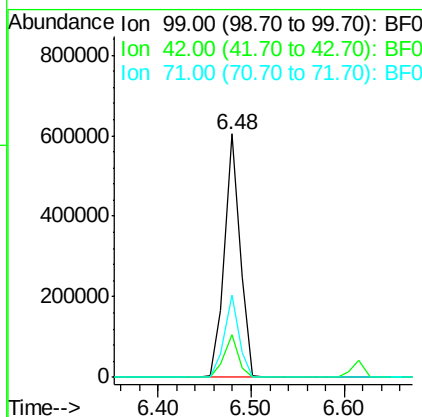
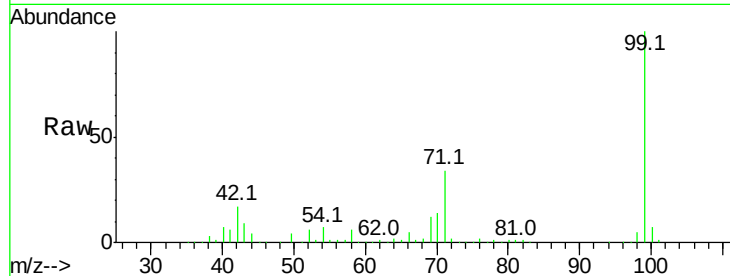
ClientSampleId :

COMP2

Tot Ion:	99	Resp:	708934
Ion Ratio	Lower	Upper	
99	100		
42	17.4	12.2	18.2
71	33.6	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

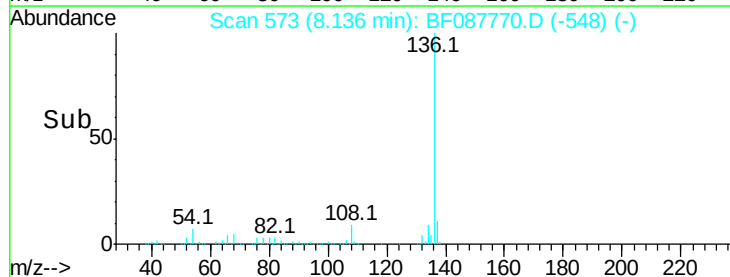
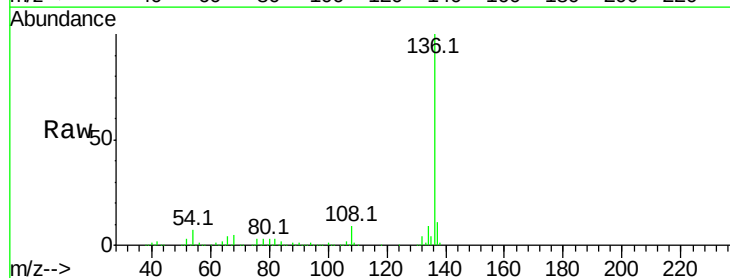
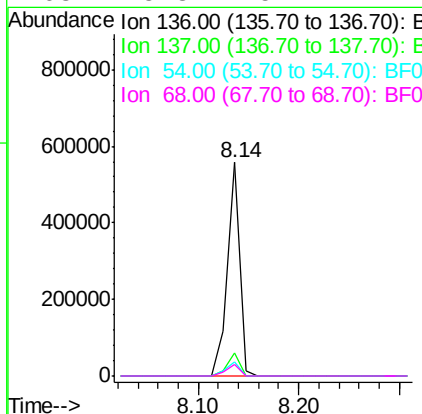
RT: 8.14 min Scan# 573

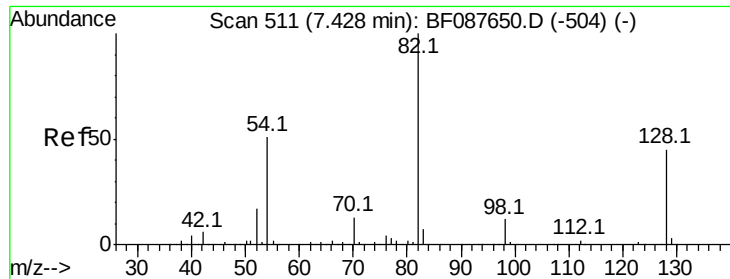
Delta R.T. -0.01 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Tgt Ion:	136	Resp:	476733
Ion Ratio	Lower	Upper	
136	100		
137	10.9	9.1	13.7
54	6.5	6.6	10.0#
68	5.3	5.1	7.7





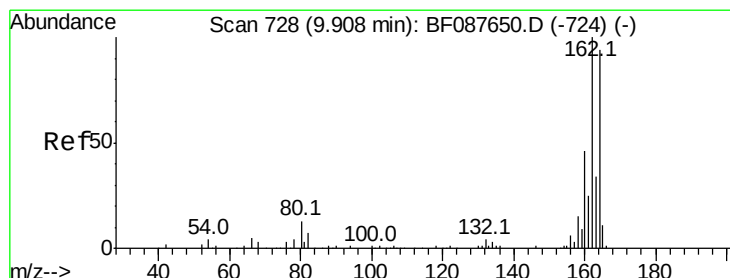
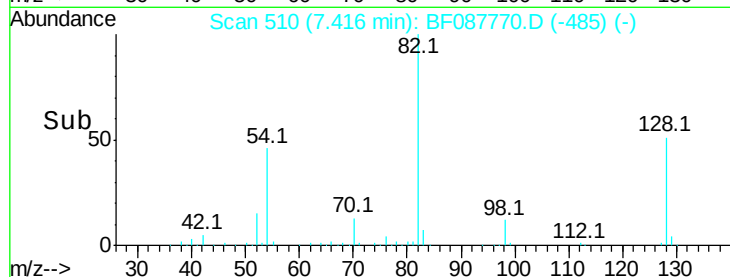
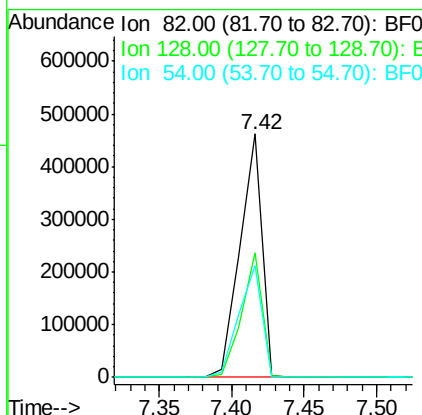
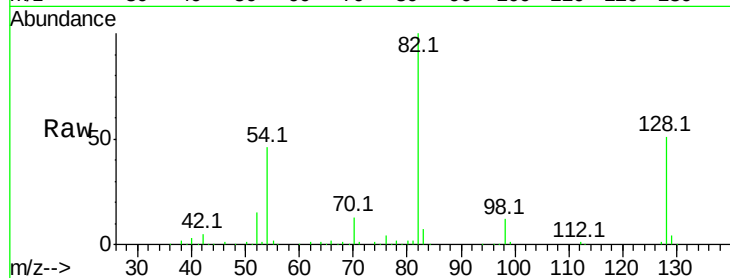
#23
 Nitrobenzene-d5
 Concen: 59.12 ng
 RT: 7.42 min Scan# 510
 Delta R.T. -0.01 min
 Lab File: BF087770.D
 Acq: 7 Jun 2016 2:26

Instrument :
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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
82	100		
128	51.0	35.9	53.9
54	45.9	40.9	61.3

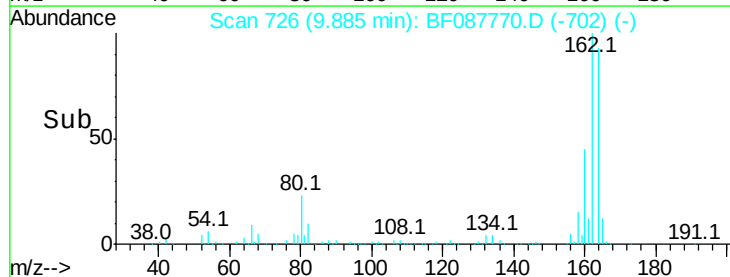
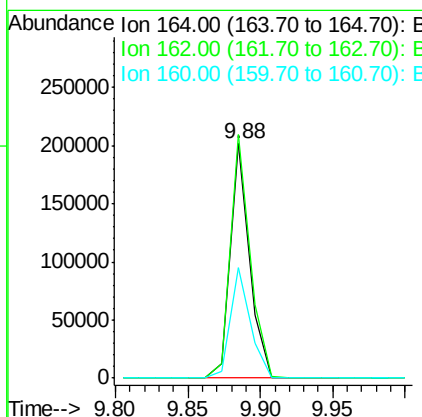
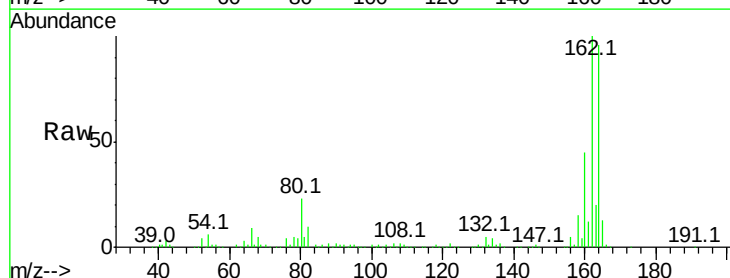
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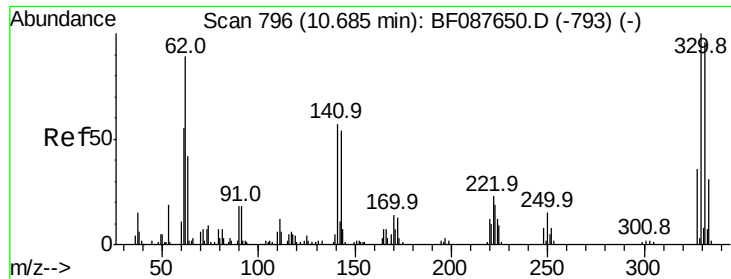
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.88 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF087770.D
 Acq: 7 Jun 2016 2:26

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.0	85.4	128.2
160	47.0	39.5	59.3





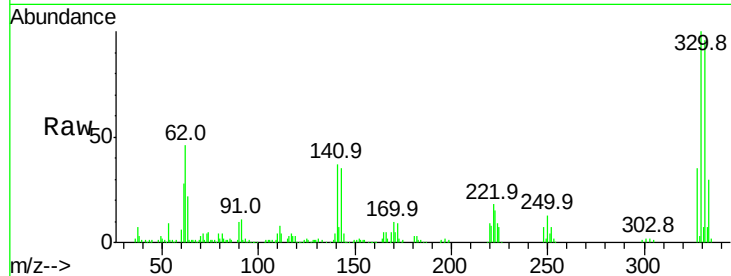
#41
 2,4,6-Tribromophenol
 Concen: 77.31 ng
 RT: 10.67 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF087770.D
 Acq: 7 Jun 2016 2:26

Instrument :
 BNA_F
 ClientSampleId :
 COMP2

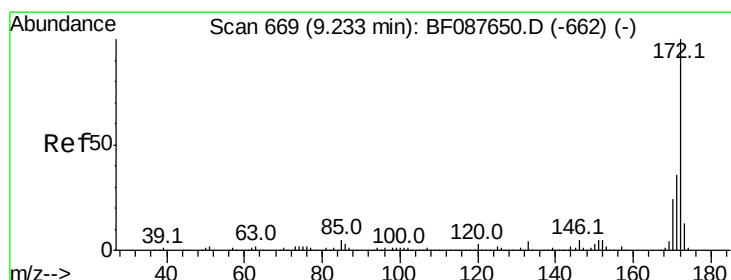
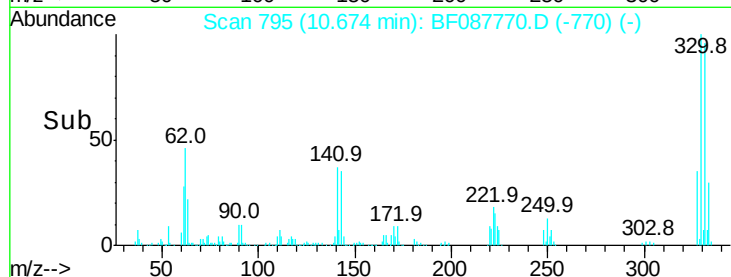
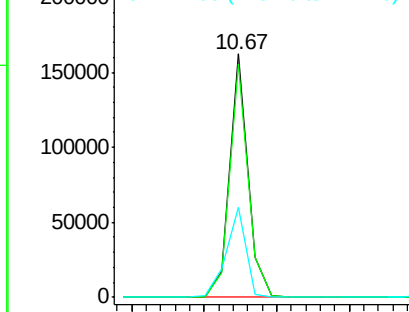
Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	96.3	0.0	0.0#
141	41.2	0.0	0.0#

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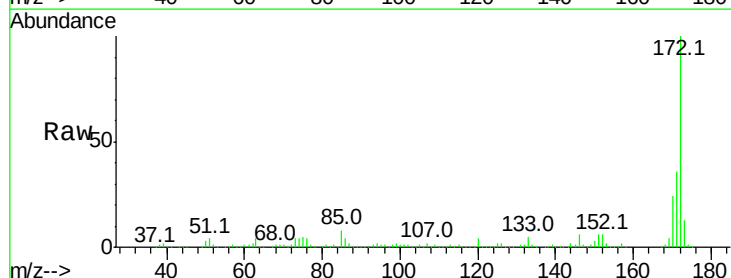


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

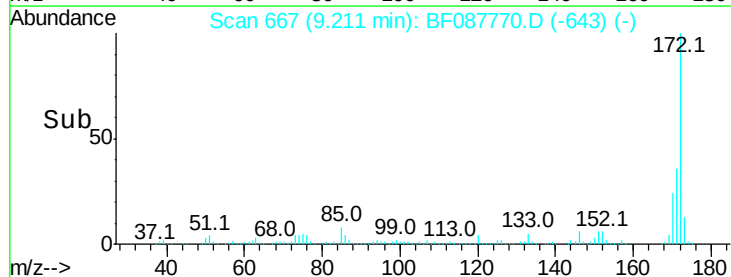
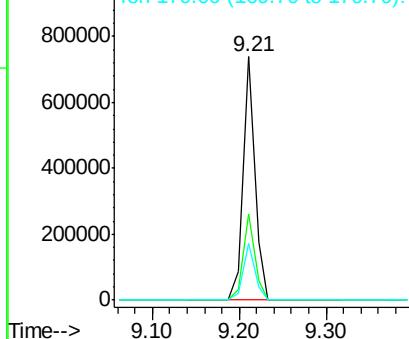


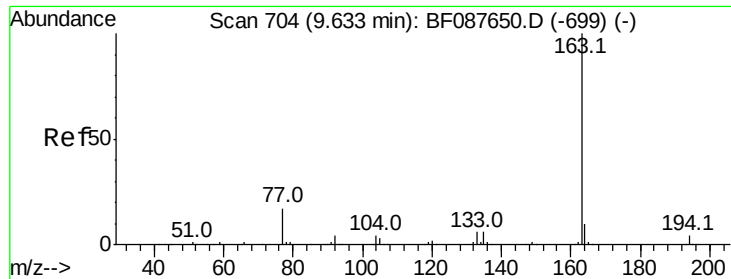
#44
 2-Fluorobiphenyl
 Concen: 51.15 ng
 RT: 9.21 min Scan# 667
 Delta R.T. -0.02 min
 Lab File: BF087770.D
 Acq: 7 Jun 2016 2:26

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.6	28.6	43.0
170	23.5	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: 6.40 ng

RT: 9.61 min Scan# 702

Delta R.T. -0.02 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Instrument :

BNA_F

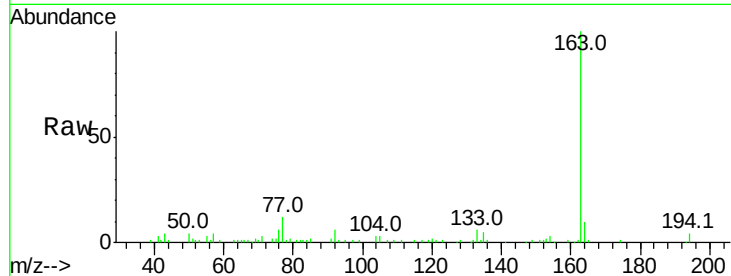
ClientSampleId :

COMP2

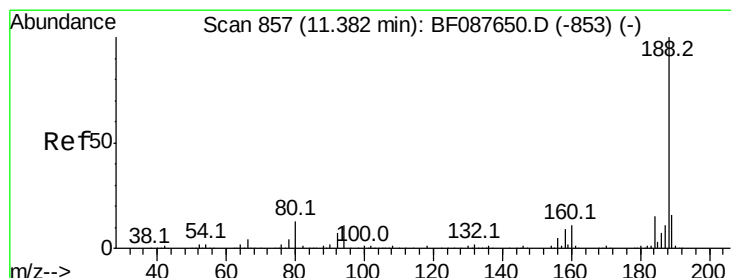
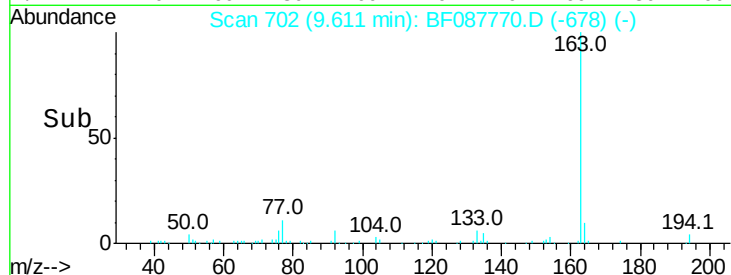
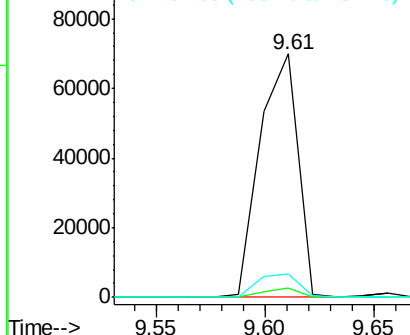
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Tot Ion:163	Resp:	85790
Ion Ratio	Lower	Upper
163 100		
194 4.0	2.8	4.2
164 9.8	8.3	12.5



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



#63

Phenanthrene-d10

Concen: 20.00 ng

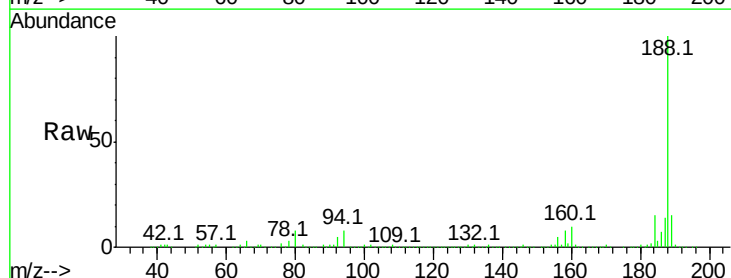
RT: 11.37 min Scan# 856

Delta R.T. -0.01 min

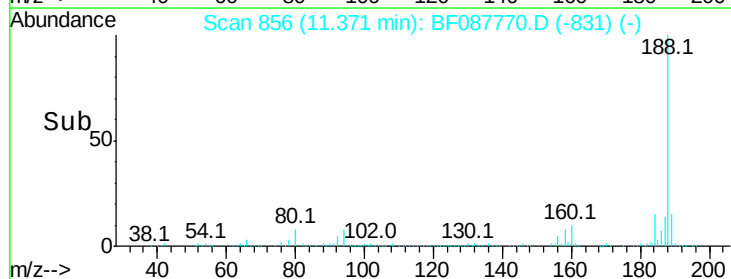
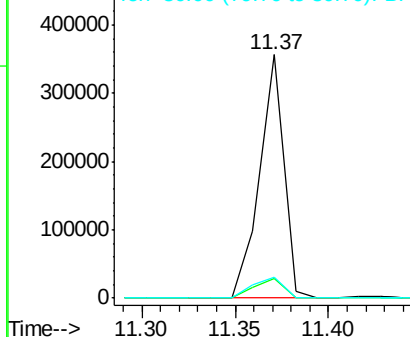
Lab File: BF087770.D

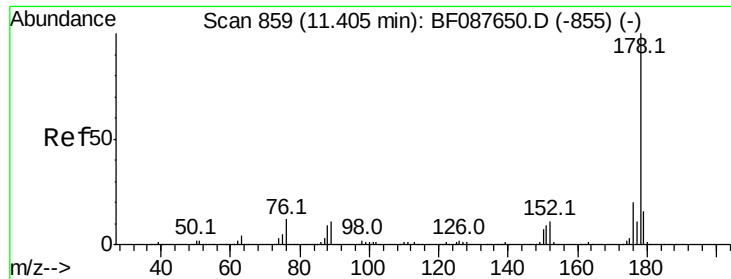
Acq: 7 Jun 2016 2:26

Tgt Ion:188	Resp:	319500
Ion Ratio	Lower	Upper
188 100		
94 8.3	9.0	13.6#
80 8.4	10.0	15.0#



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





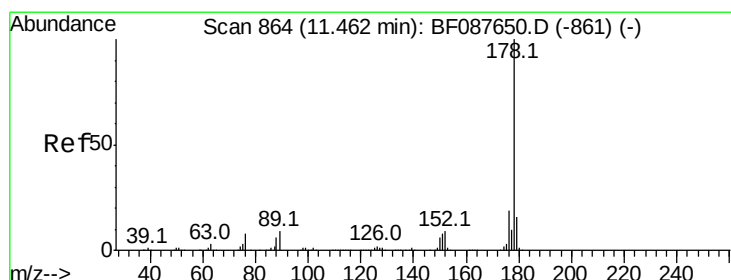
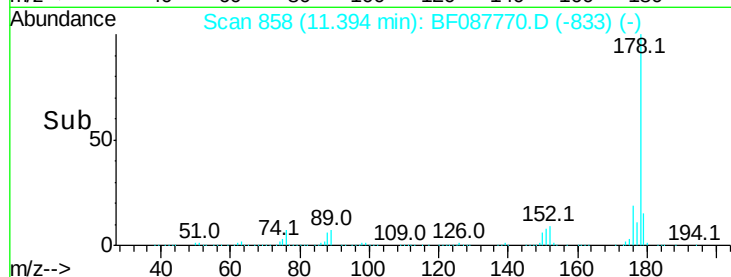
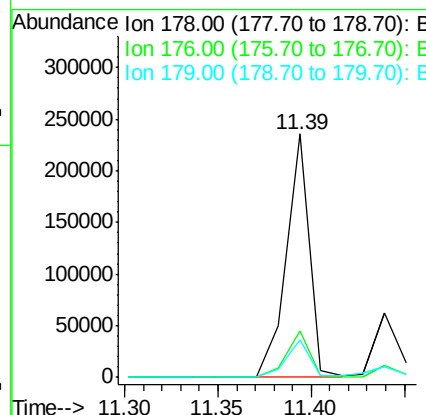
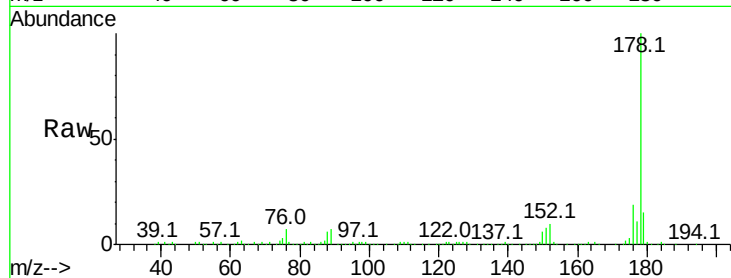
#70
Phenanthrene
Concen: 11.66 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.01 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.3	13.0	19.4

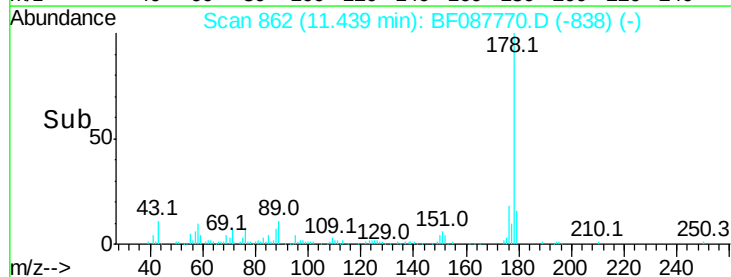
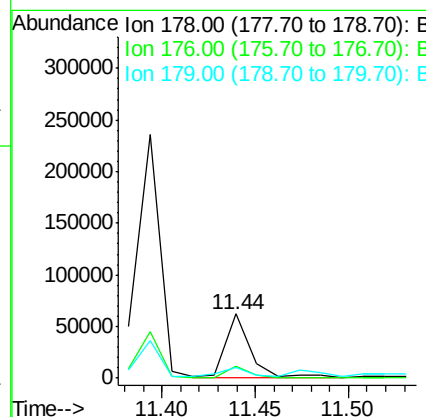
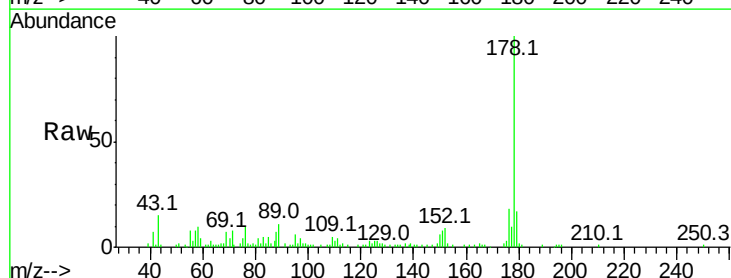
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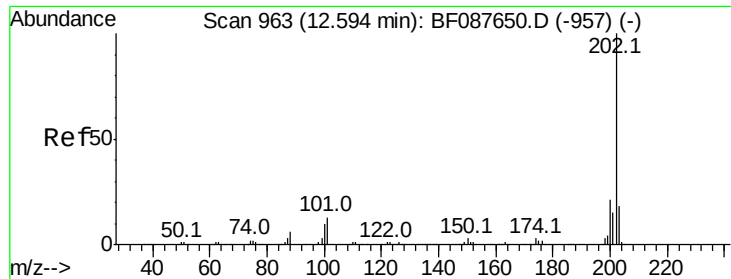
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#71
Anthracene
Concen: 3.23 ng
RT: 11.44 min Scan# 862
Delta R.T. -0.02 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.6	23.4
179	16.6	12.8	19.2





#74

Fluoranthene

Concen: 13.53 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.01 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Instrument :

BNA_F

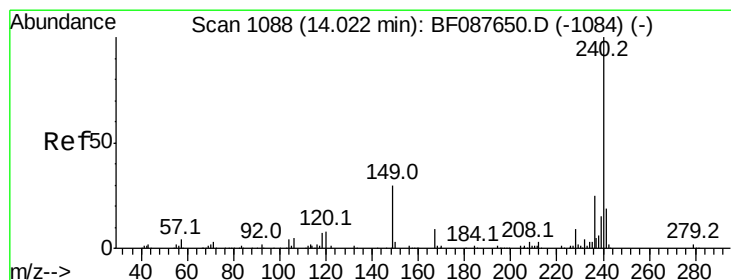
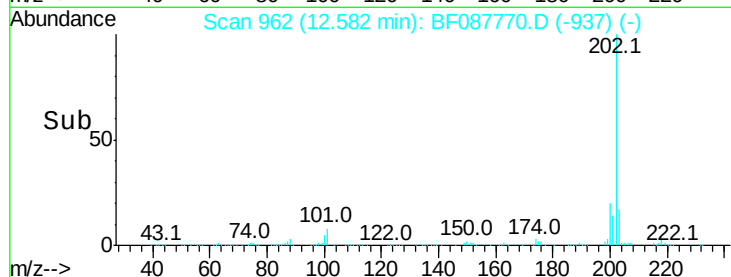
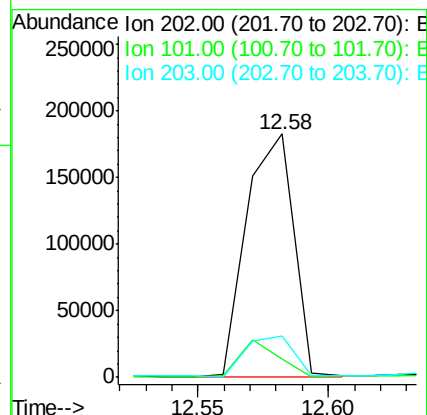
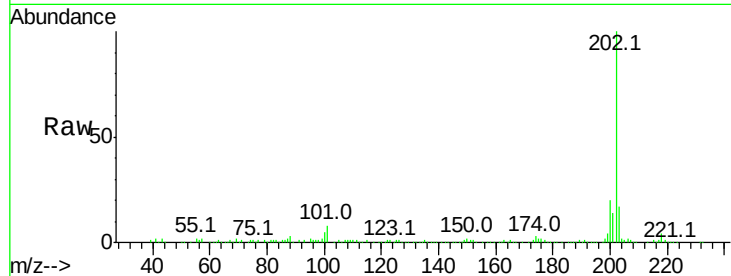
ClientSampled :

COMP2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.8	0.0	33.1
203	17.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.00 ng

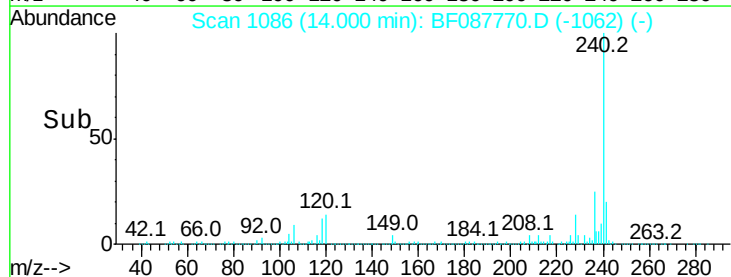
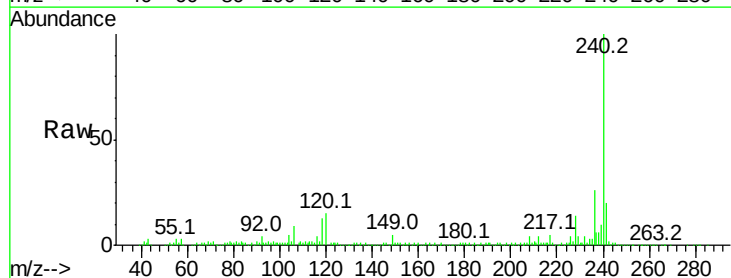
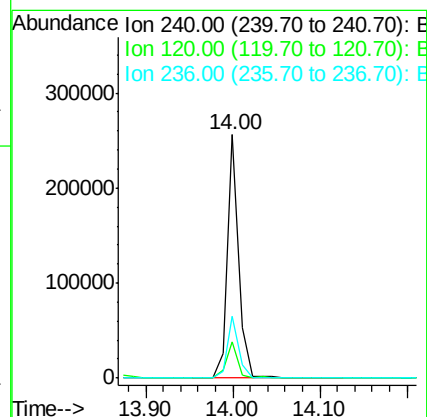
RT: 14.00 min Scan# 1086

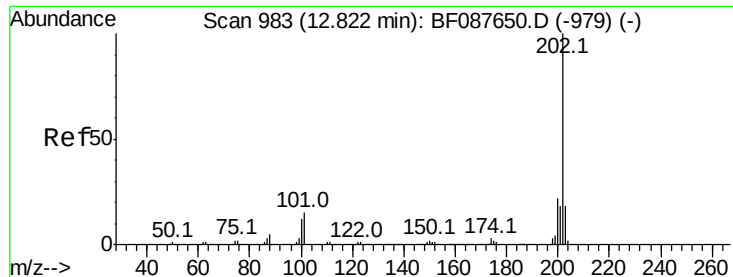
Delta R.T. -0.02 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.7	6.8	10.2#
236	25.6	20.2	30.2





#77

Pvrene

Concen: 13.80 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.02 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Instrument :

BNA_F

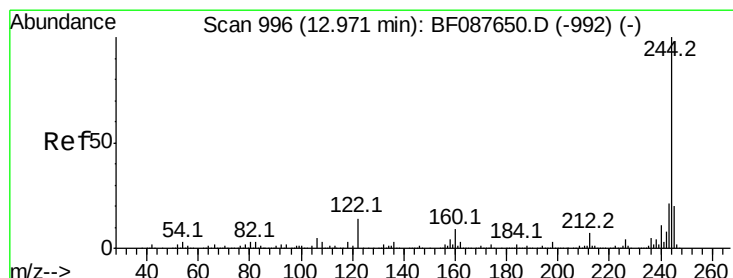
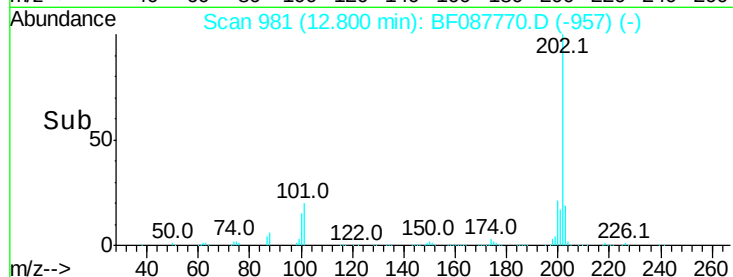
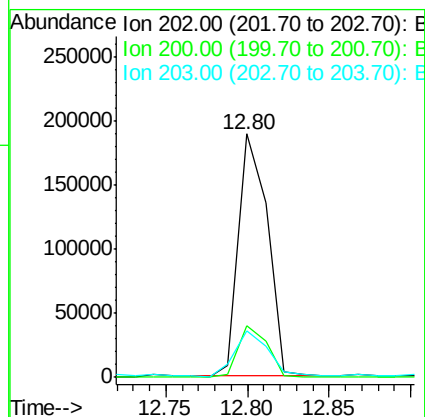
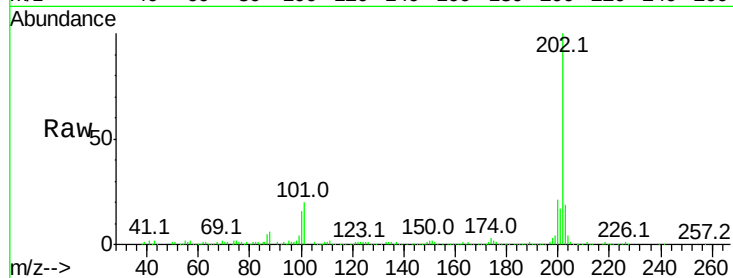
ClientSampled :

COMP2

Tot Ion:	202	Resp:	231949
Ion Ratio	Lower	Upper	
202	100		
200	21.0	17.4	26.2
203	19.3	14.5	21.7

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#78

Terphenyl-d14

Concen: 55.10 ng

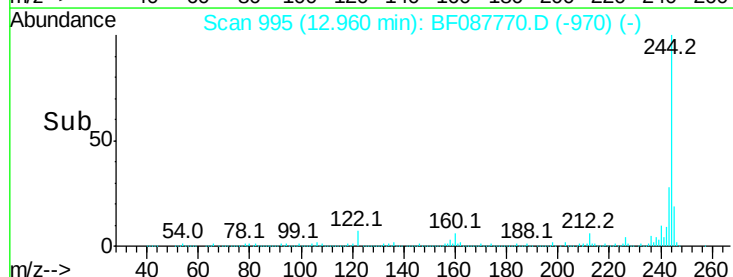
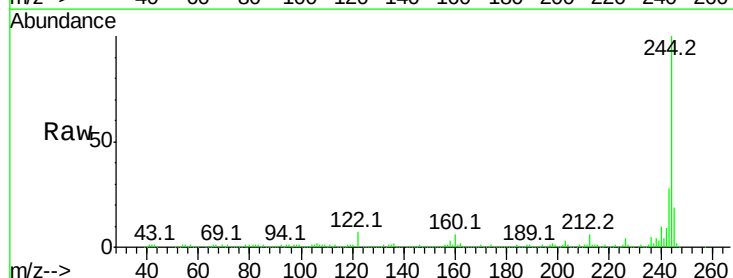
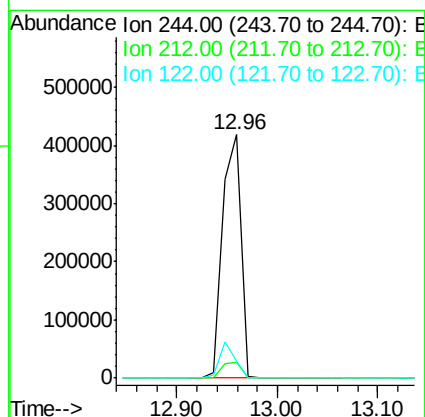
RT: 12.96 min Scan# 995

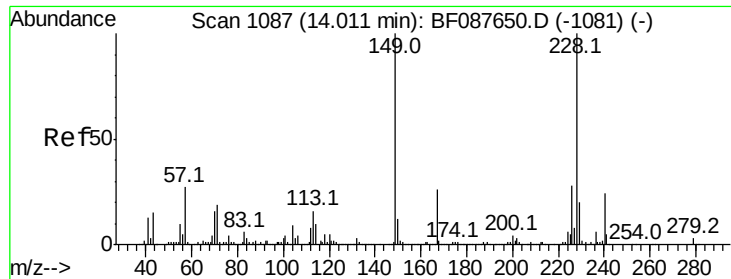
Delta R.T. -0.01 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Tgt Ion:	244	Resp:	532878
Ion Ratio	Lower	Upper	
244	100		
212	6.2	6.0	9.0
122	6.8	11.2	16.8#





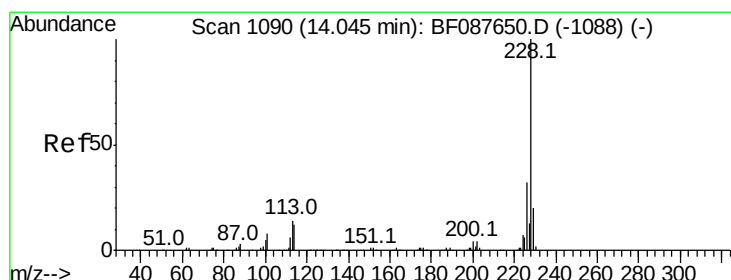
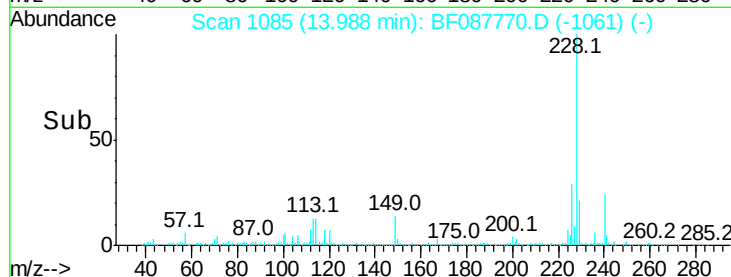
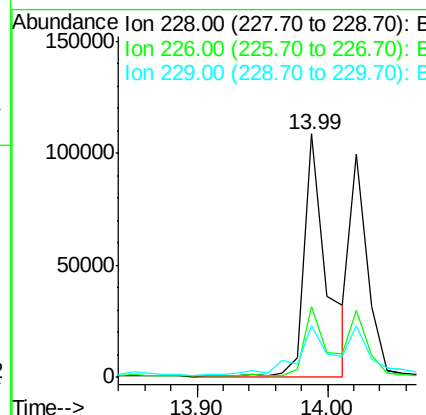
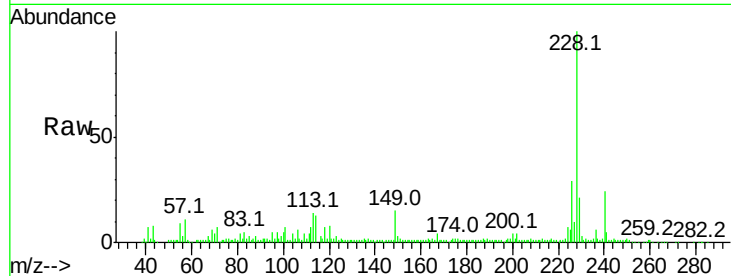
#80
Benzo(a)anthracene
Concen: 9.48 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.02 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Instrument :
BNA_F
ClientSampled :
COMP2

Tot Ion	Ratio	Resp Lower	Upper
228	100		
226	29.0	22.3	33.5
229	21.4	16.0	24.0

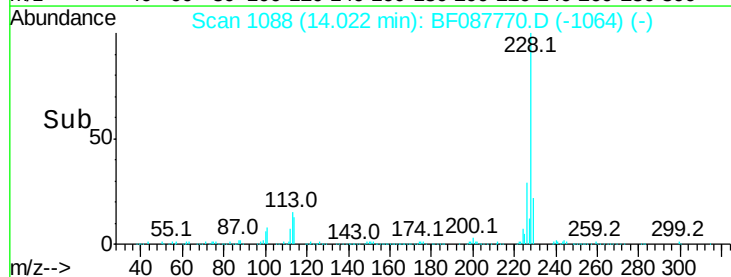
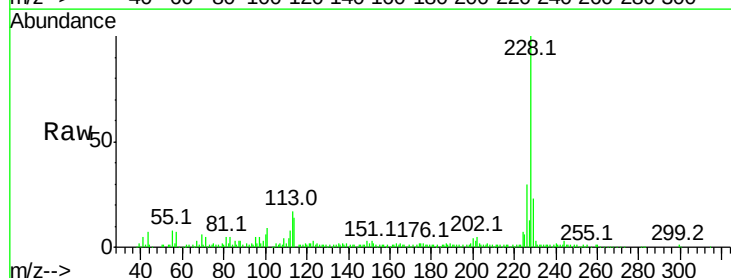
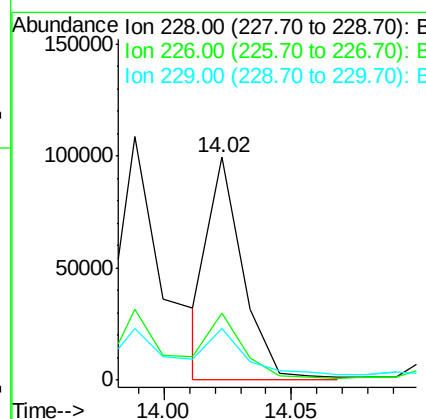
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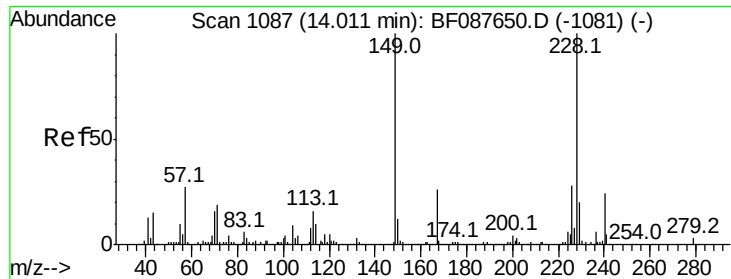
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#82
Chrysene
Concen: 6.91 ng m
RT: 14.02 min Scan# 1088
Delta R.T. -0.02 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	29.8	25.4	38.2
229	23.5	16.3	24.5





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.33 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.02 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Instrument :

BNA_F

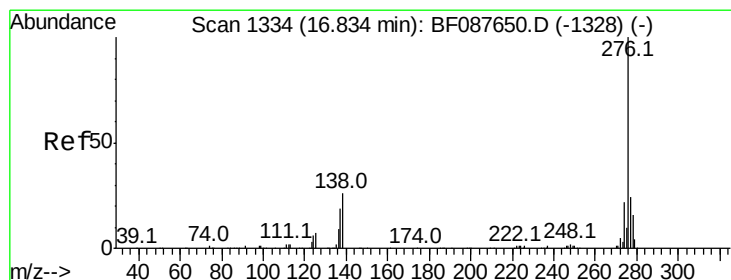
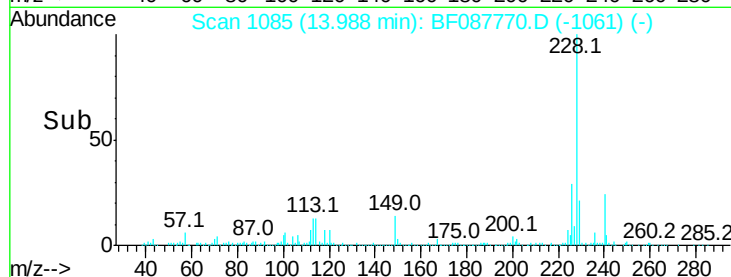
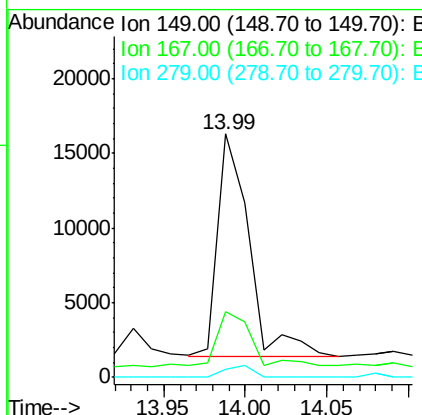
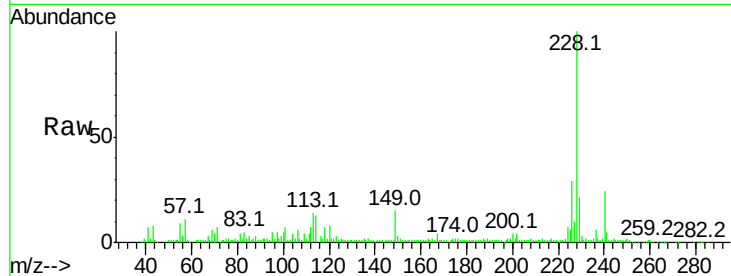
ClientSampleId :

COMP2

Tot Ion:	149	Resp:	19835
Ion Ratio	Lower	Upper	
149	100		
167	26.8	20.5	30.7
279	3.3	2.0	3.0#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 3.83 ng

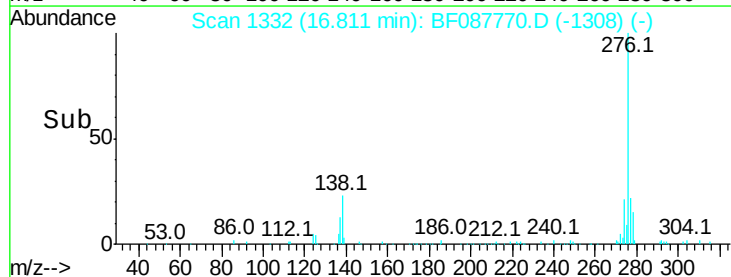
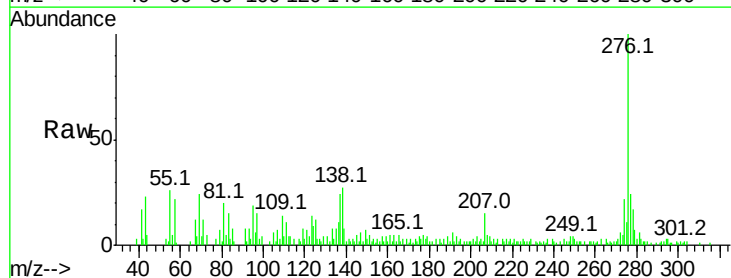
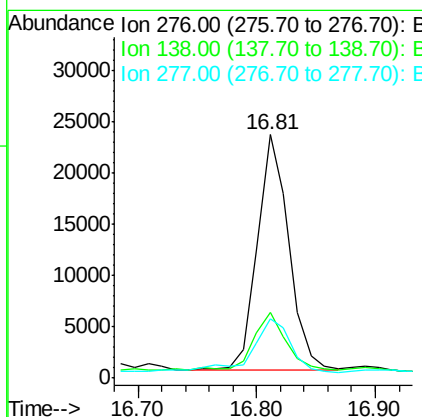
RT: 16.81 min Scan# 1332

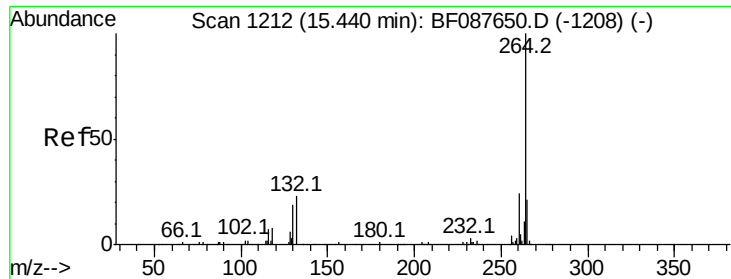
Delta R.T. -0.02 min

Lab File: BF087770.D

Acq: 7 Jun 2016 2:26

Tgt Ion:	276	Resp:	42951
Ion Ratio	Lower	Upper	
276	100		
138	25.8	0.0	0.0#
277	29.2	0.0	0.0#





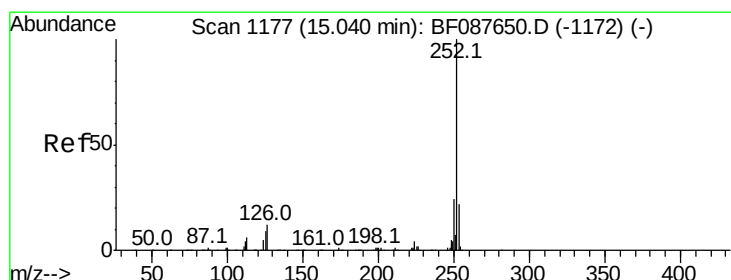
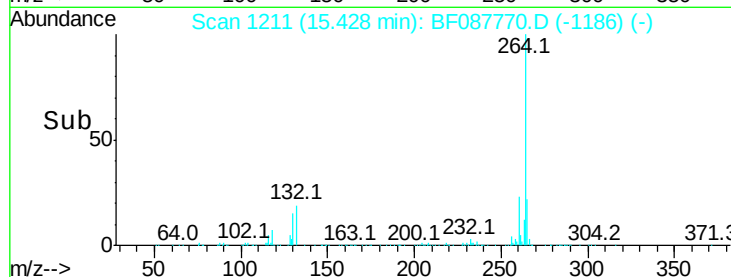
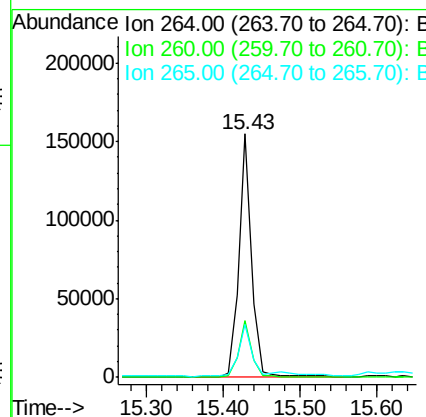
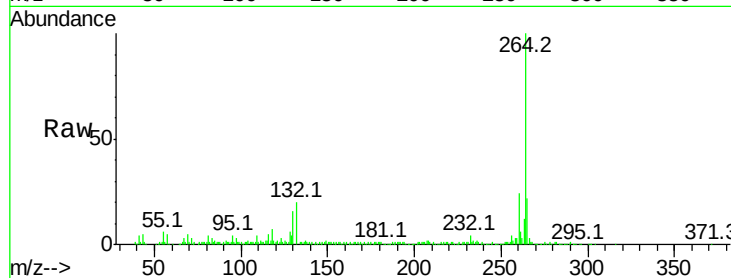
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	22.0	16.9	25.3

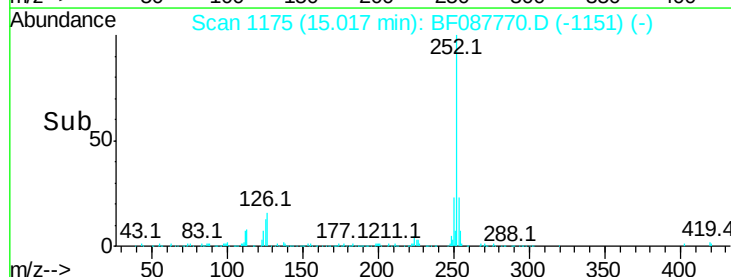
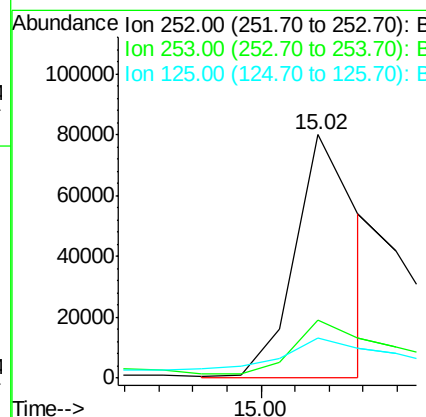
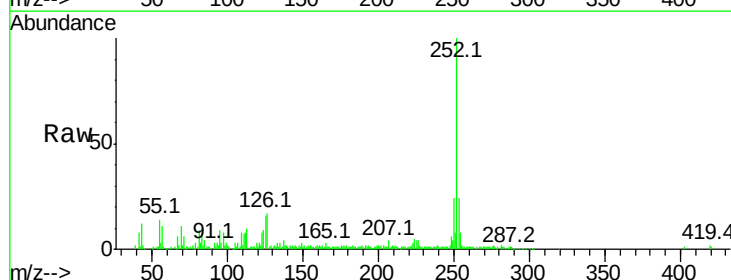
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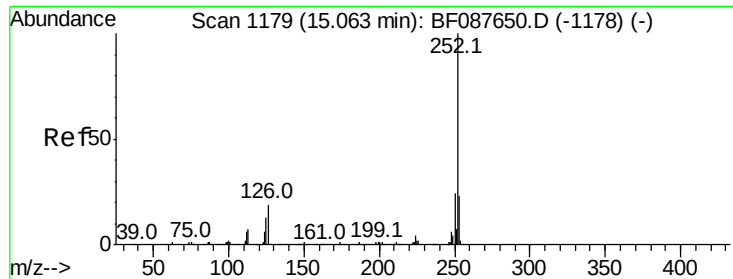
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#87
Benzo(b)fluoranthene
Concen: 8.86 ng m
RT: 15.02 min Scan# 1175
Delta R.T. -0.02 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.4	26.2
125	16.3	7.1	10.7#





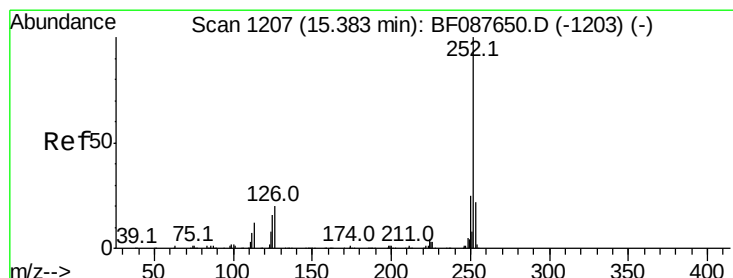
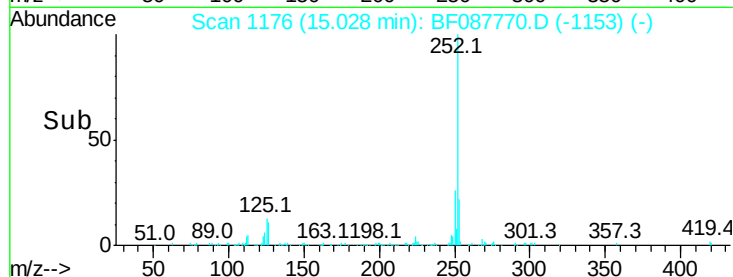
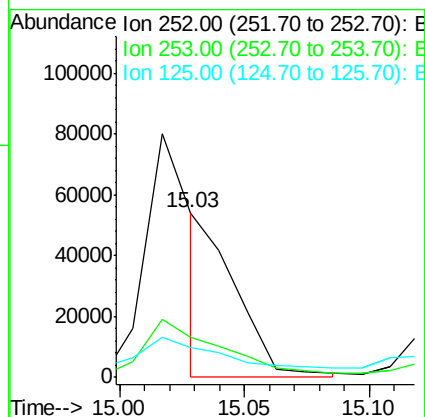
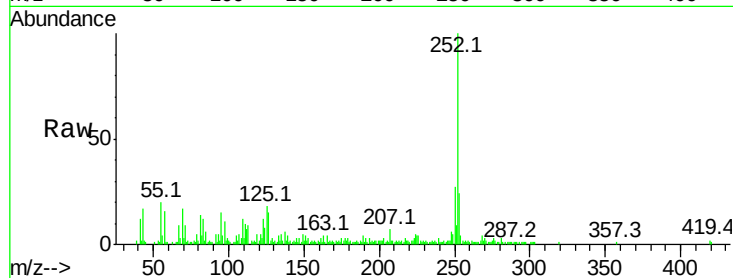
#88
Benzo(k)fluoranthene
Concen: 4.80 ng m
RT: 15.03 min Scan# 1176
Delta R.T. -0.03 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Instrument :
BNA_F
ClientSampleId :
COMP2

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	18.5	11.2	16.8

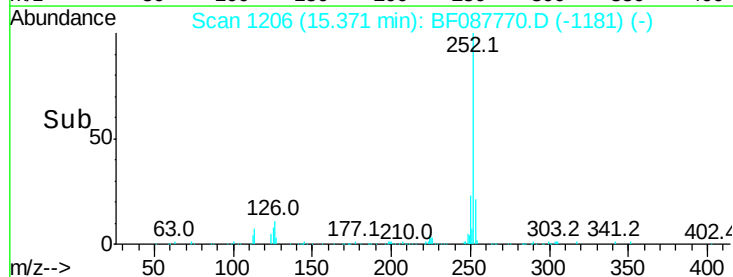
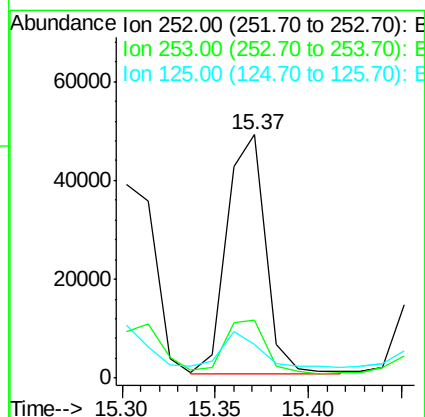
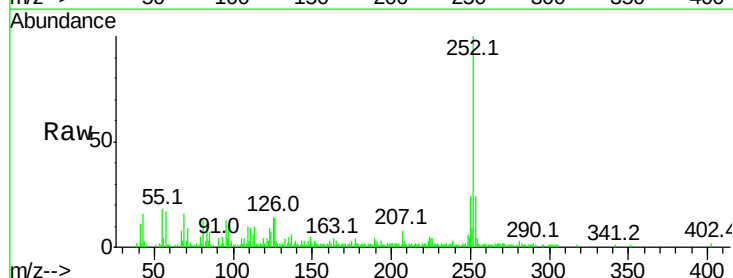
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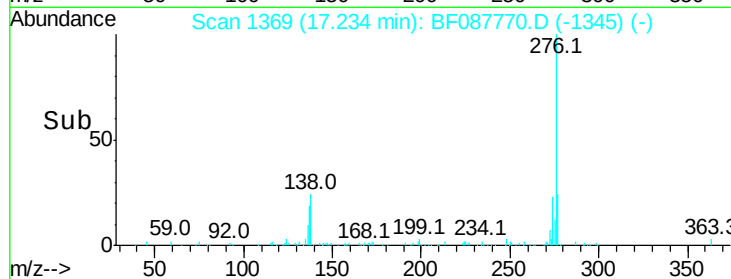
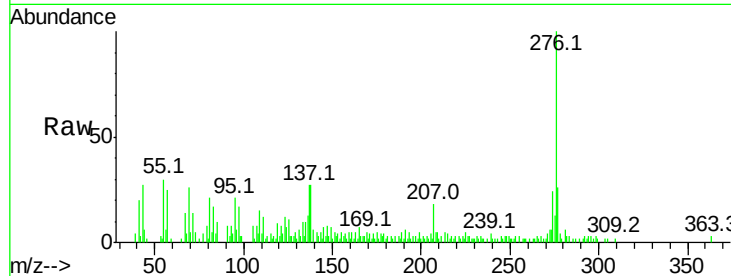
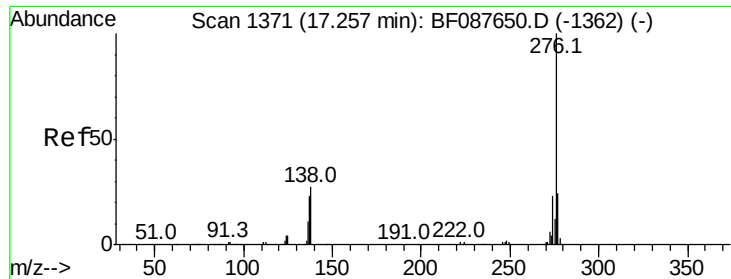
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#89
Benzo(a)pyrene
Concen: 7.15 ng
RT: 15.37 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF087770.D
Acq: 7 Jun 2016 2:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	13.9	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: BF087770.D

Acq: 7 Jun 2016 2:26

Instrument :

BNA_F

ClientSampleId :

COMP2

Tot Ion:	276	Resp:	42262
Ion Ratio	Lower	Upper	
276	100		
277	26.5	18.9	28.3
138	27.4	21.4	32.2

Manual Integrations
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