

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087808.D
 Acq On : 8 Jun 2016 14:22
 Operator : UM/SJ
 Sample : H3379-19
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Manual Integrations
 APPROVED

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 6/9/2016 7:59:13 PM

Quant Time: Jun 09 02:15:52 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 07 18:51:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	98615	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	423468	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	200987	20.00	ng	-0.01
63) Phenanthrene-d10	11.36	188	358330	20.00	ng	0.00
75) Chrysene-d12	13.99	240	236691	20.00	ng	0.00
86) Perylene-d12	15.42	264	216498	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	406921	70.54	ng	-0.01
7) Phenol-d6	6.46	99	571431	81.74	ng	-0.02
23) Nitrobenzene-d5	7.38	82	304285	41.96	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	143129	67.44	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	591457	43.53	ng	-0.02
78) Terphenyl-d14	12.95	244	533698	51.31	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	106906	7.34	ng	99
70) Phenanthrene	11.38	178	308470	16.41	ng	97
71) Anthracene	11.43	178	86354	4.55	ng	98
74) Fluoranthene	12.57	202	404549	20.39	ng	93
77) Pyrene	12.80	202	353178	20.11	ng	98
80) Benzo(a)anthracene	13.98	228	165389	12.26	ng	99
82) Chrysene	14.01	228	115577	9.11	ng	96
85) Indeno(1,2,3-cd)pyrene	16.80	276	78272	6.64	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	174992m	11.60	ng	
88) Benzo(k)fluoranthene	15.03	252	37242m	3.27	ng	
89) Benzo(a)pyrene	15.36	252	120934m	9.91	ng	
91) Benzo(a,h,i)perylene	17.22	276	79805	6.84	ng	95

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

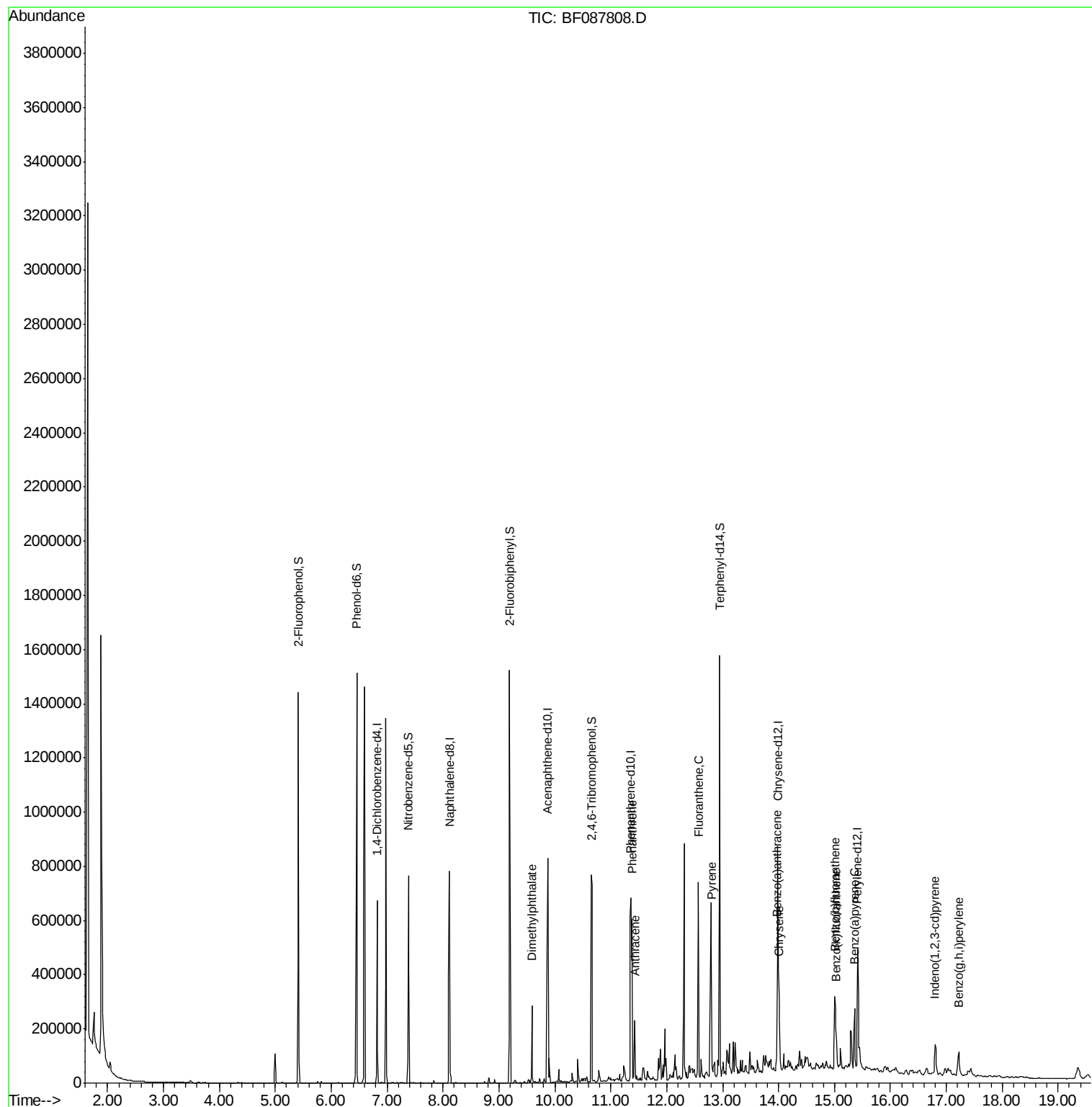
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087808.D
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Misc :
ALS Vial : 3 Sample Multiplier: 1

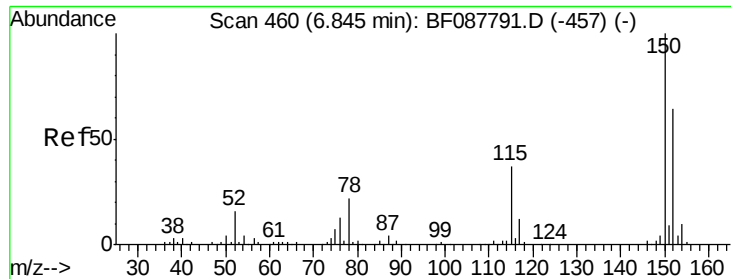
Instrument :
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SS-12

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#1

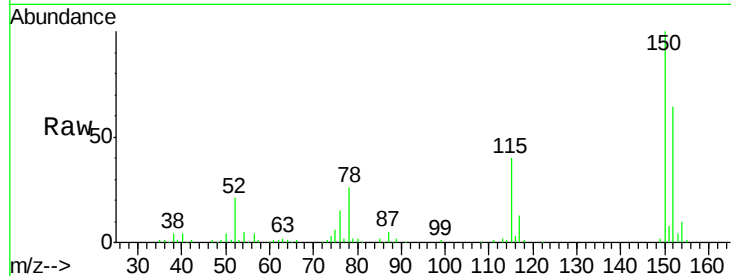
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SS-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	123.8	185.6
115	63.2	39.6	59.4

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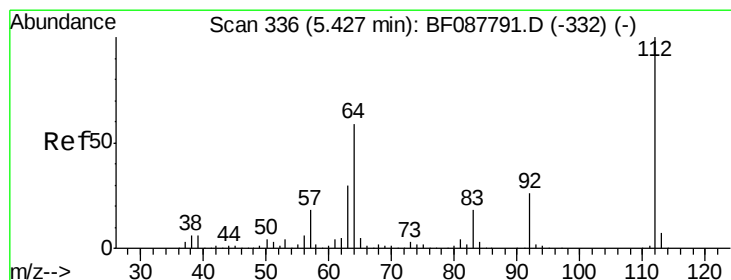
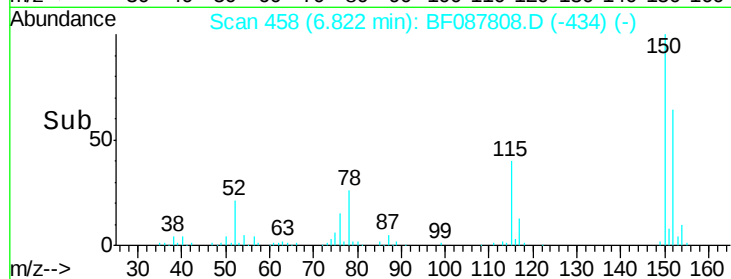
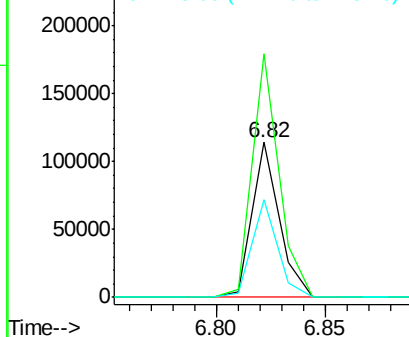


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

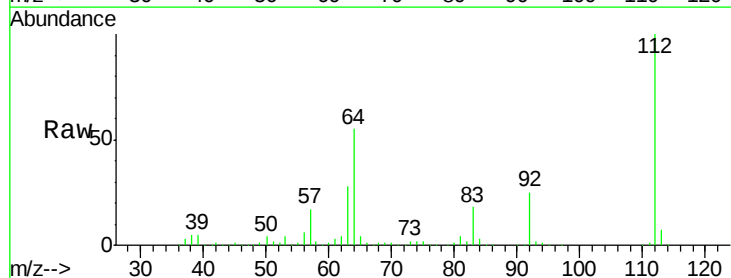
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 70.54 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.2	42.2	63.2
63	28.4	21.8	32.8

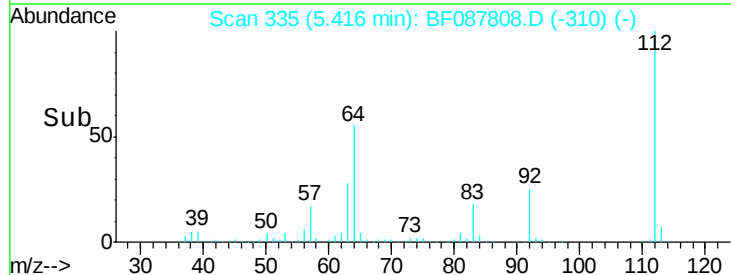
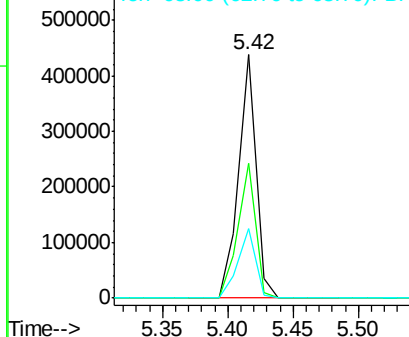


Abundance

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: 81.74 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

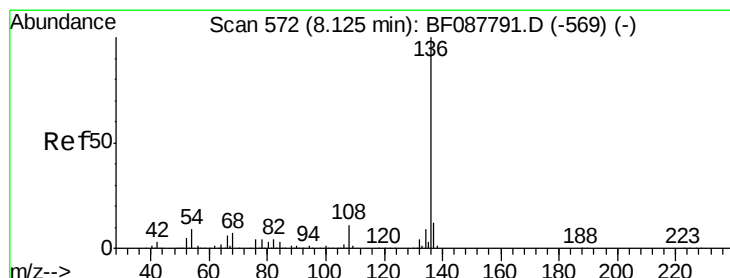
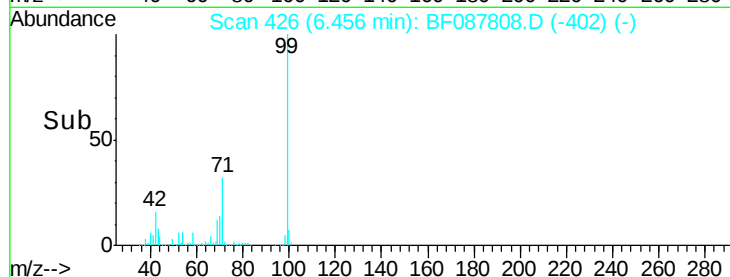
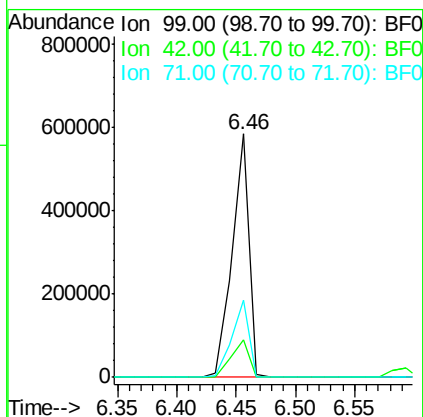
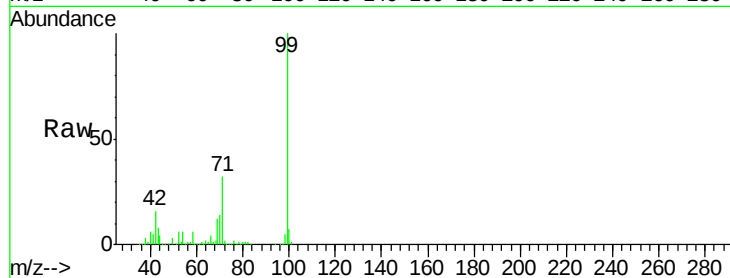
ClientSampled :

SS-12

Tot Ion:	99	Resp:	571431
Ion Ratio	Lower	Upper	
99	100		
42	15.6	12.2	18.2
71	31.9	23.4	35.0

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#21

Naphthalene-d8

Concen: 20.00 ng

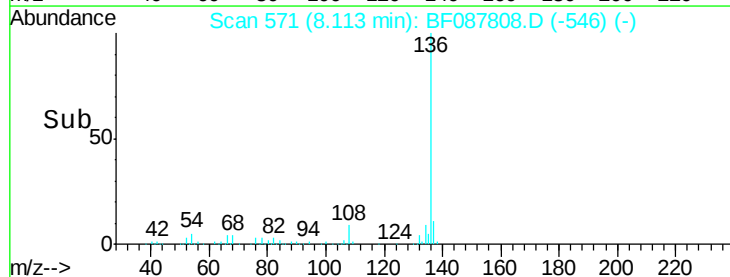
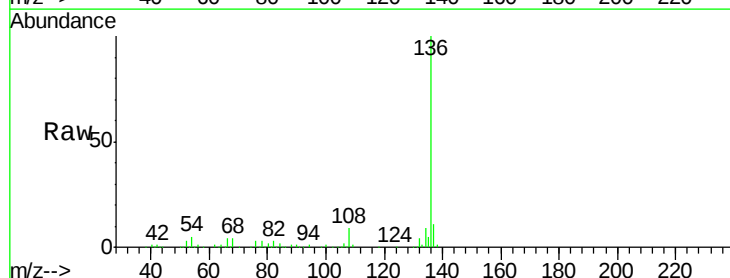
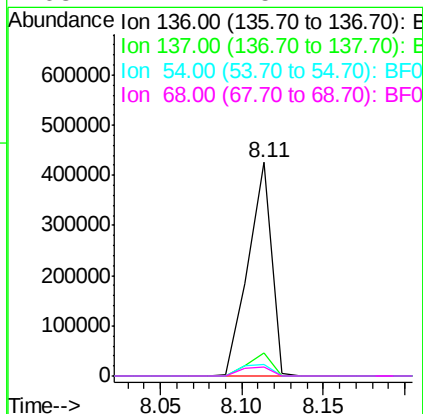
RT: 8.11 min Scan# 571

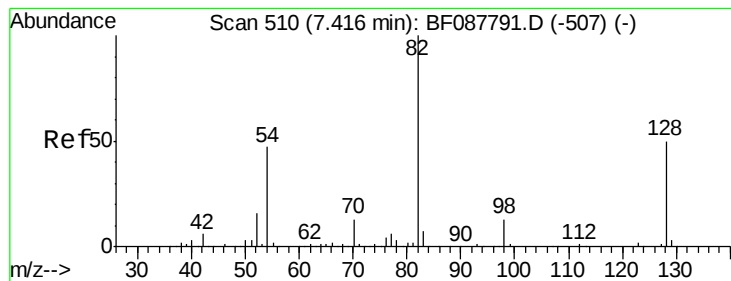
Delta R.T. -0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Tgt Ion:	136	Resp:	423468
Ion Ratio	Lower	Upper	
136	100		
137	10.6	9.1	13.7
54	5.2	6.6	10.0#
68	4.4	5.1	7.7#





#23

Nitrobenzene-d5

Concen: 41.96 ng

RT: 7.38 min Scan# 507

Delta R.T. -0.03 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

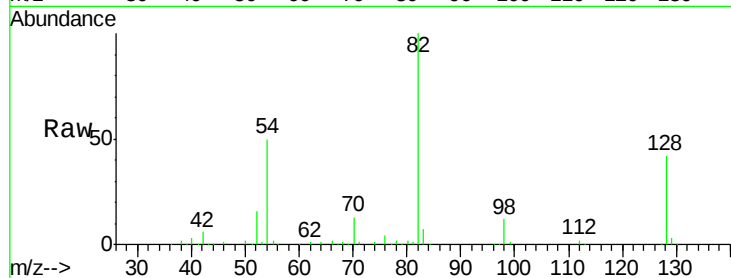
ClientSampled :

SS-12

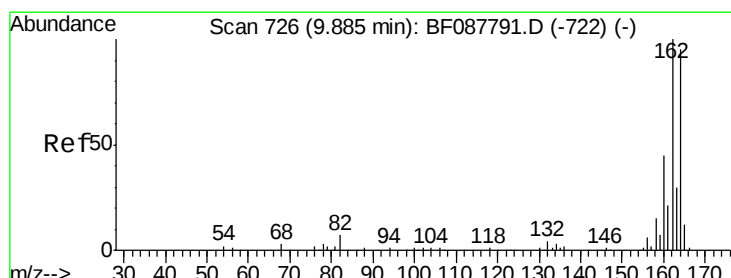
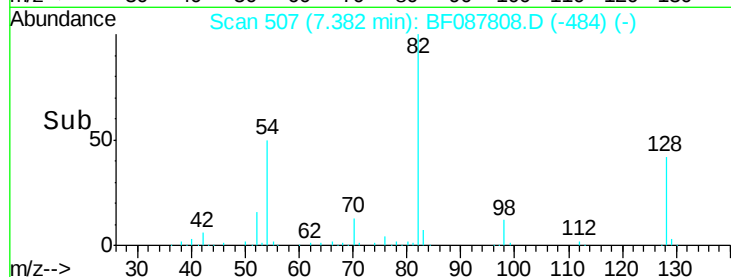
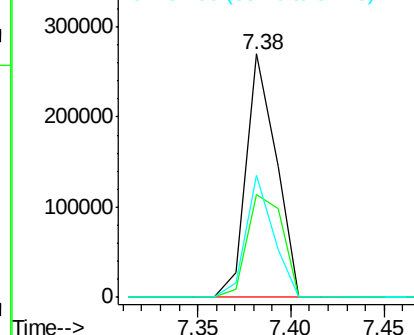
Tot Ion:	82	Resp:	304285
Ion Ratio	Lower	Upper	
82	100		
128	42.2	35.9	53.9
54	50.3	40.9	61.3

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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



#38

Acenaphthene-d10

Concen: 20.00 ng

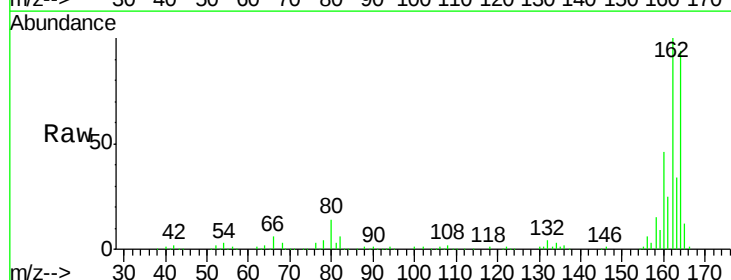
RT: 9.87 min Scan# 725

Delta R.T. -0.01 min

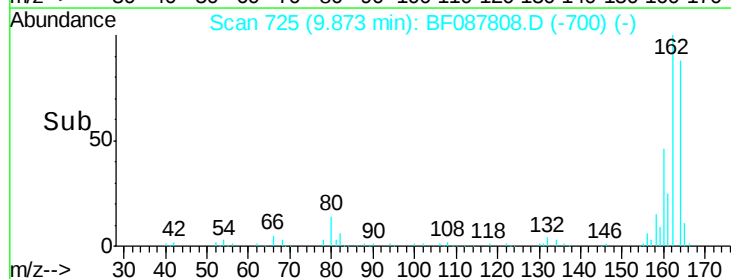
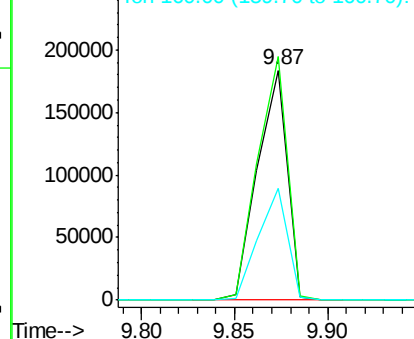
Lab File: BF087808.D

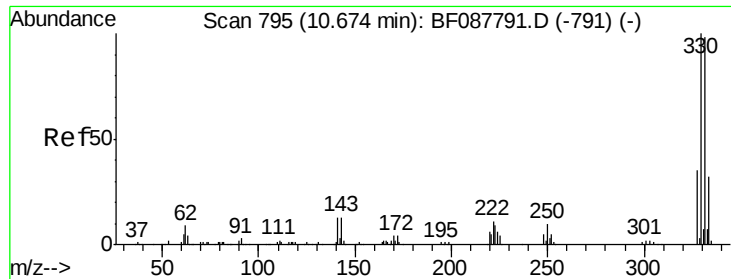
Acq: 8 Jun 2016 14:22

Tgt Ion:	164	Resp:	200987
Ion Ratio	Lower	Upper	
164	100		
162	106.0	85.4	128.2
160	48.5	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





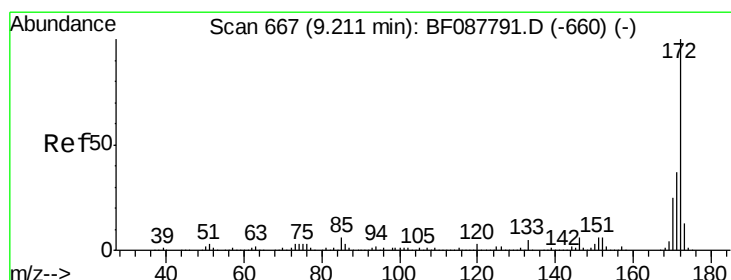
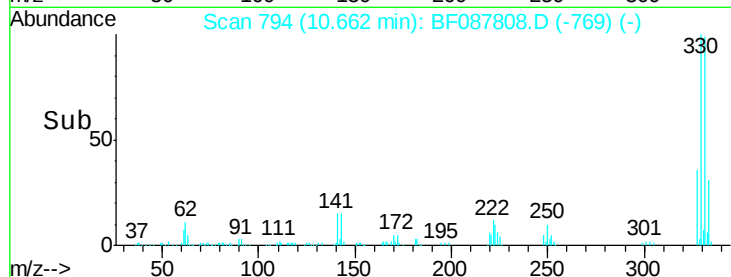
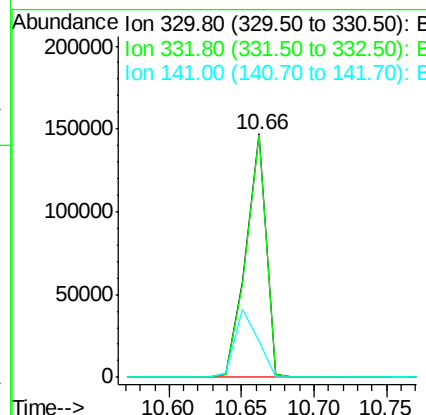
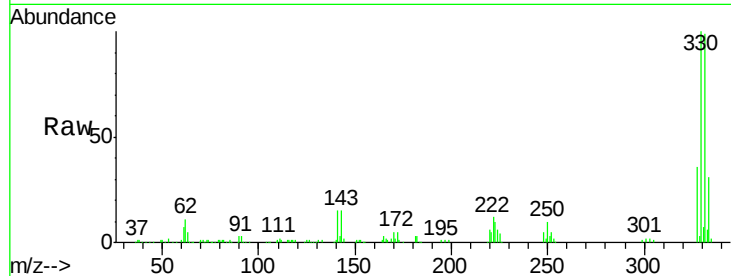
#41
 2,4,6-Tribromophenol
 Concen: 67.44 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	98.7	0.0	0.0#
141	31.6	0.0	0.0#

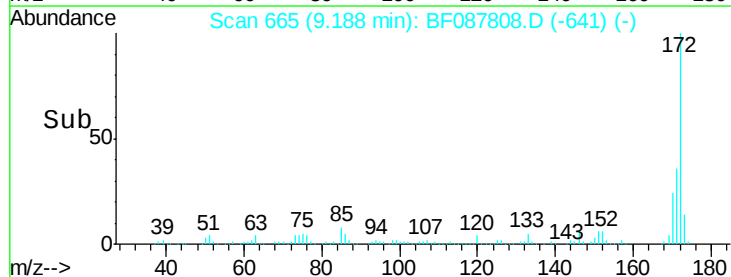
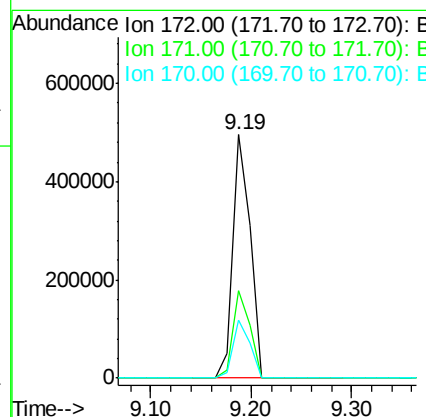
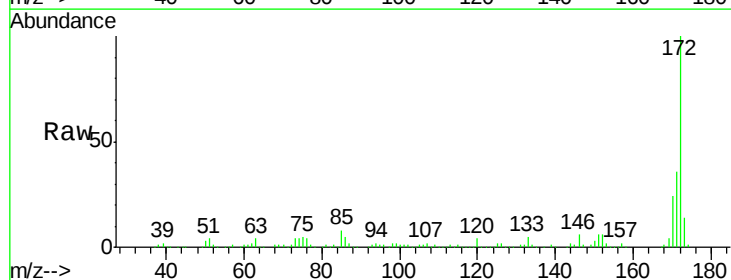
Manual Integrations
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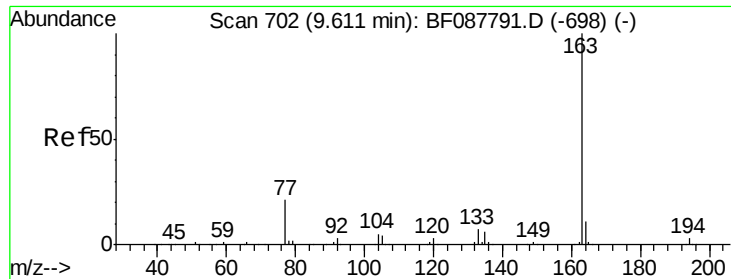
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#44
 2-Fluorobiphenyl
 Concen: 43.53 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.8	28.6	43.0
170	23.7	19.2	28.8





#49

Dimethylphthalate

Concen: 7.34 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

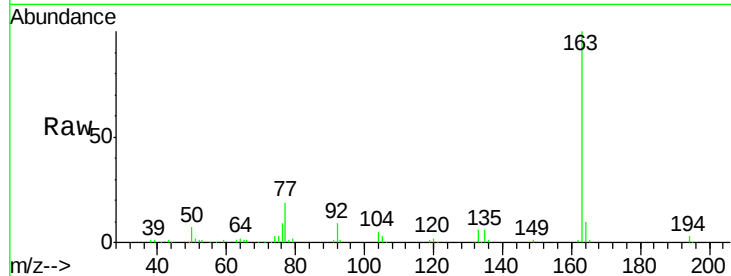
ClientSampled :

SS-12

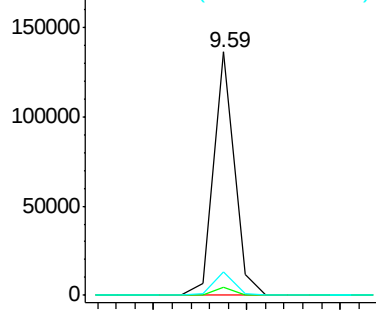
Tot Ion:	163	Resp:	106906
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.8	4.2
164	9.9	8.3	12.5

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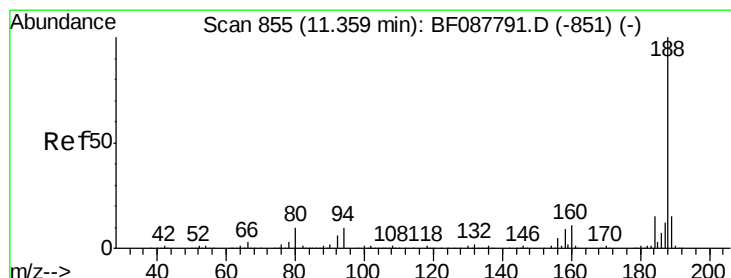
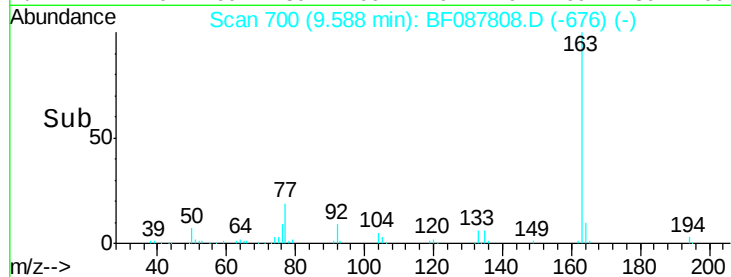
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

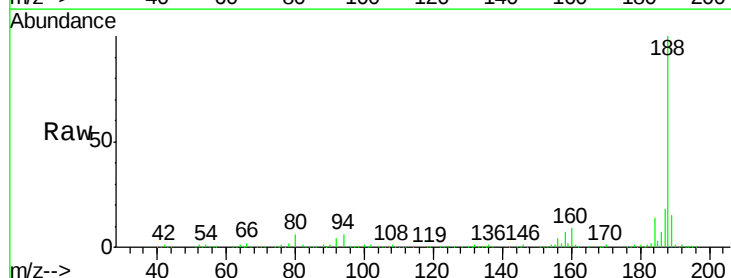
RT: 11.36 min Scan# 855

Delta R.T. -0.00 min

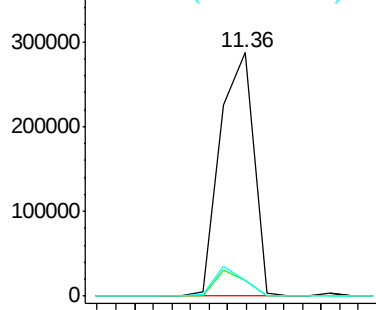
Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

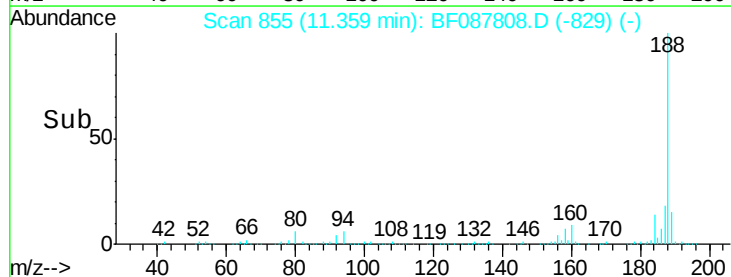
Tgt Ion:	188	Resp:	358330
Ion Ratio	Lower	Upper	
188	100		
94	6.5	9.0	13.6#
80	6.3	10.0	15.0#

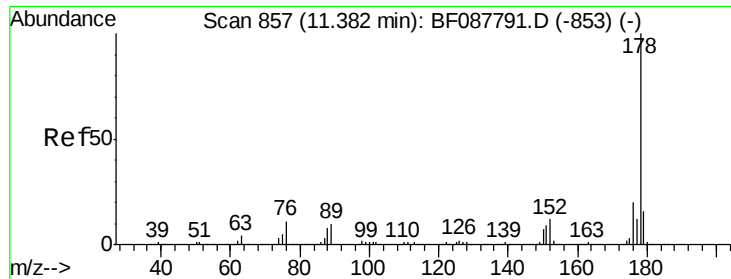


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0



Time-->





#70

Phenanthrene

Concen: 16.41 ng

RT: 11.38 min Scan# 857

Delta R.T. -0.00 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

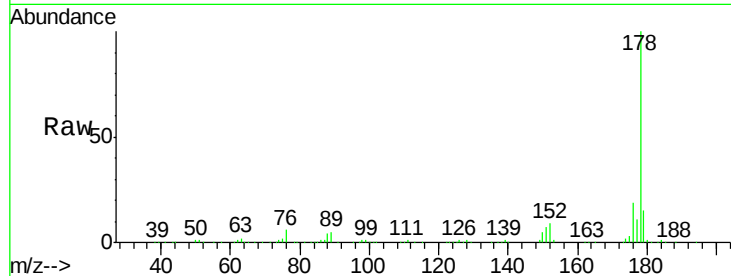
ClientSampled :

SS-12

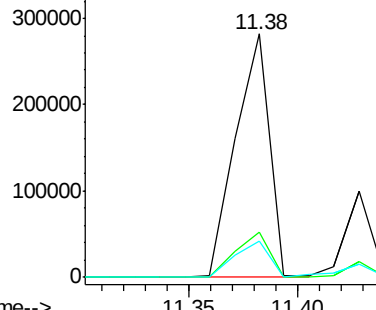
Tot Ion:	178	Resp:	308470
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.8	23.6
179	14.8	13.0	19.4

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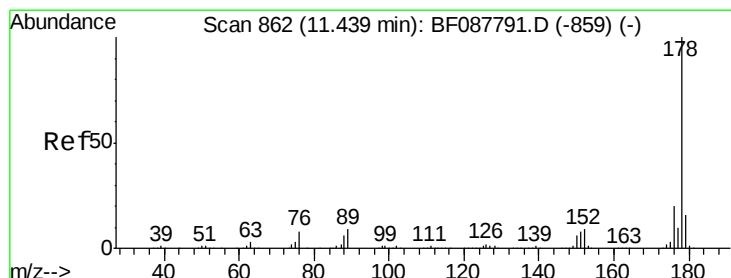
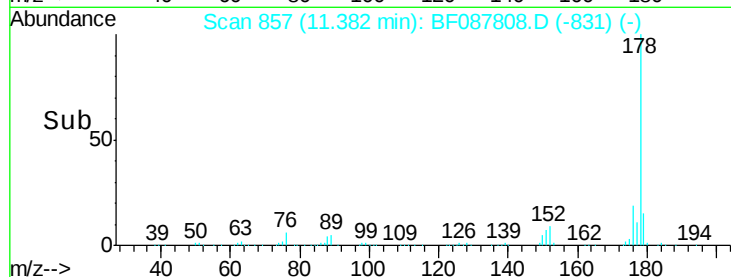
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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->



#71

Anthracene

Concen: 4.55 ng

RT: 11.43 min Scan# 861

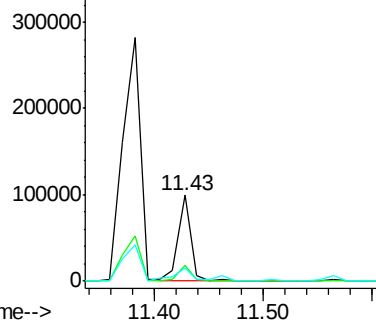
Delta R.T. -0.01 min

Lab File: BF087808.D

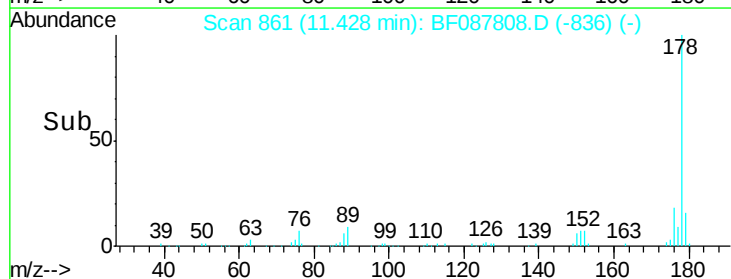
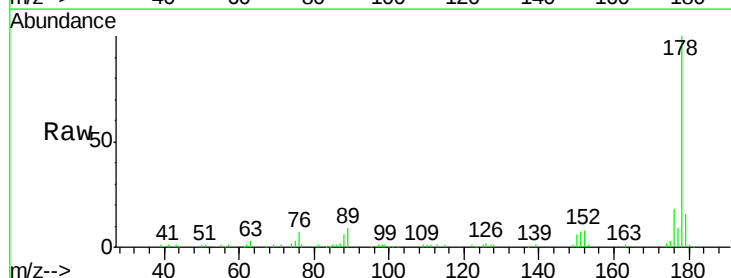
Acq: 8 Jun 2016 14:22

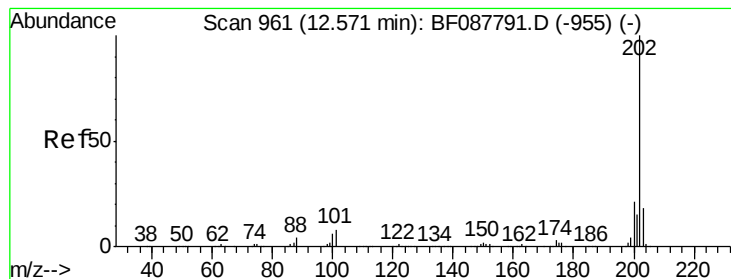
Tgt Ion:	178	Resp:	86354
Ion Ratio	Lower	Upper	
178	100		
176	17.8	15.6	23.4
179	15.8	12.8	19.2

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



Time-->





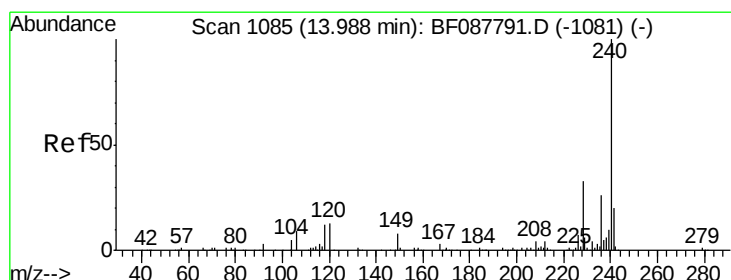
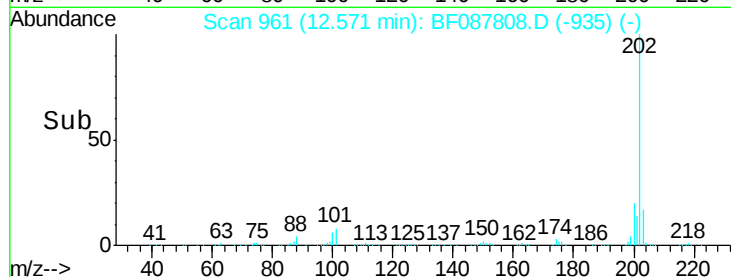
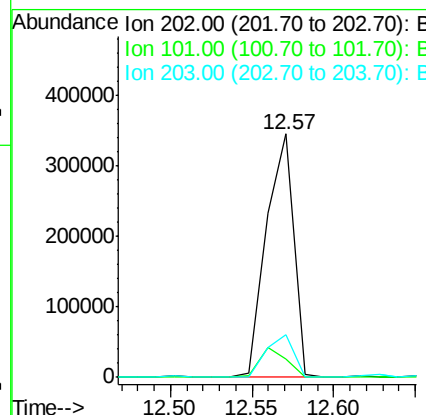
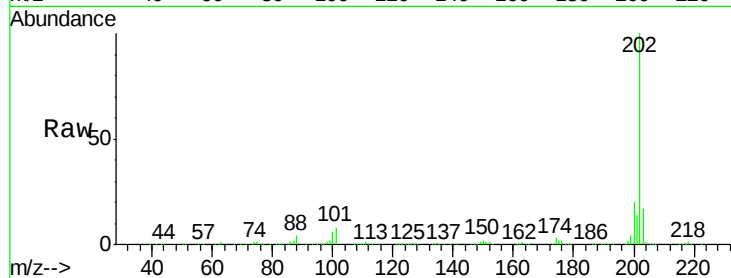
#74
 Fluoranthene
 Concen: 20.39 ng
 RT: 12.57 min Scan# 961
 Delta R.T. -0.00 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Instrument :
 BNA_F
 ClientSampleId :
 SS-12

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.8	0.0	33.1
203	17.3	0.0	38.1

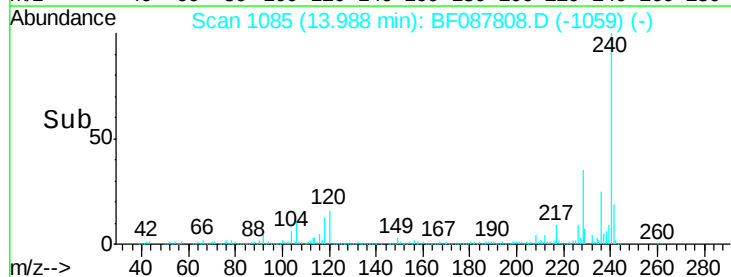
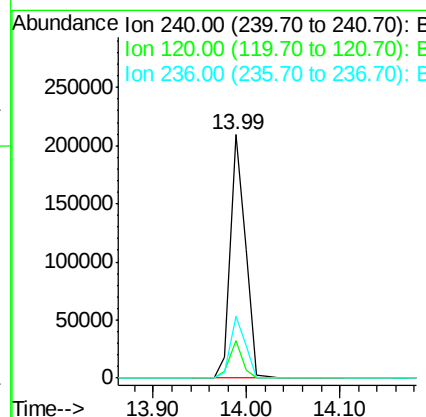
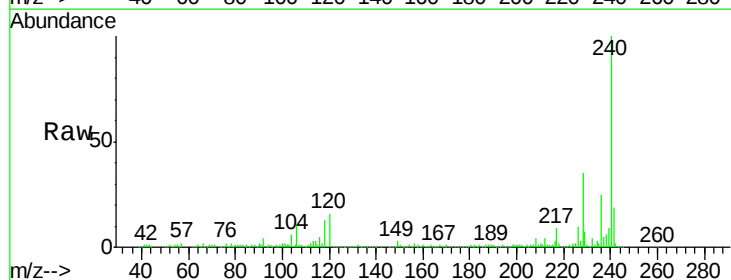
Manual Integrations
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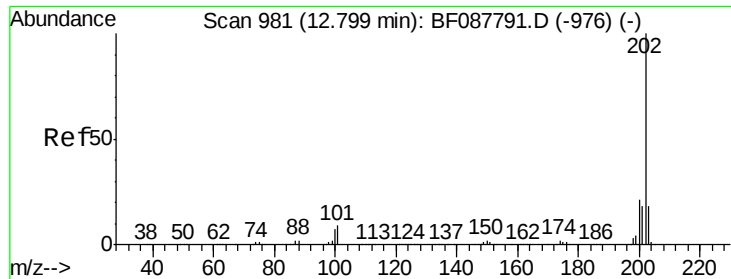
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#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.99 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: BF087808.D
 Acq: 8 Jun 2016 14:22

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.5	6.8	10.2#
236	25.2	20.2	30.2





#77

Pvrene

Concen: 20.11 ng

RT: 12.80 min Scan# 981

Delta R.T. -0.00 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

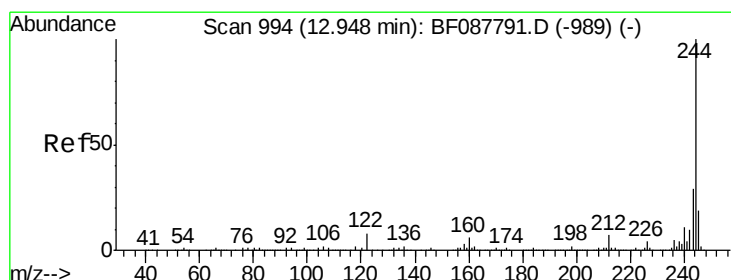
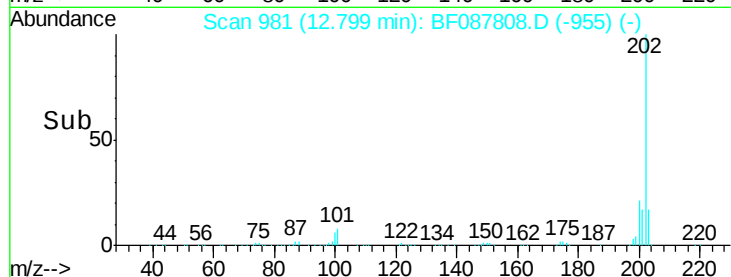
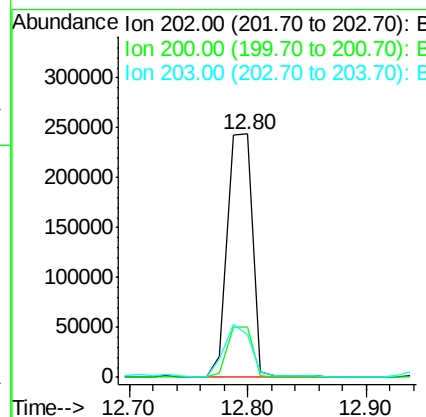
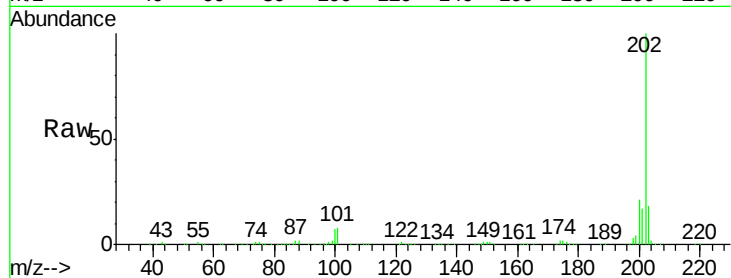
ClientSampleId :

SS-12

Tot Ion:	202	Resp:	353178
Ion Ratio		Lower	Upper
202	100		
200	20.6	17.4	26.2
203	17.7	14.5	21.7

Manual Integrations
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#78

Terphenyl-d14

Concen: 51.31 ng

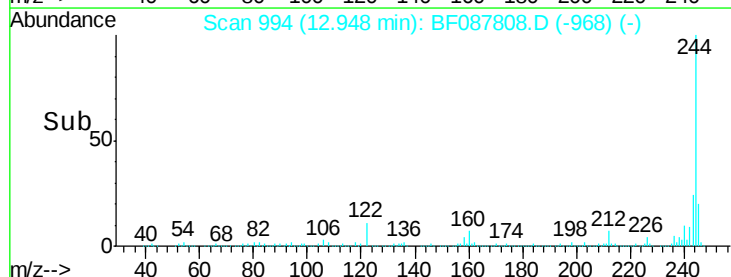
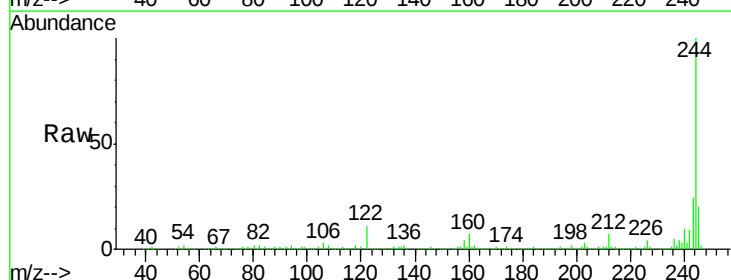
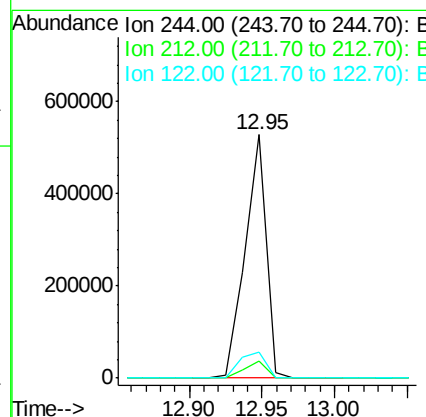
RT: 12.95 min Scan# 994

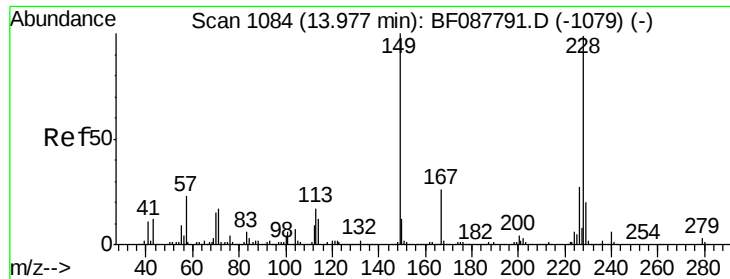
Delta R.T. -0.00 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Tgt Ion:	244	Resp:	533698
Ion Ratio		Lower	Upper
244	100		
212	6.9	6.0	9.0
122	10.6	11.2	16.8#





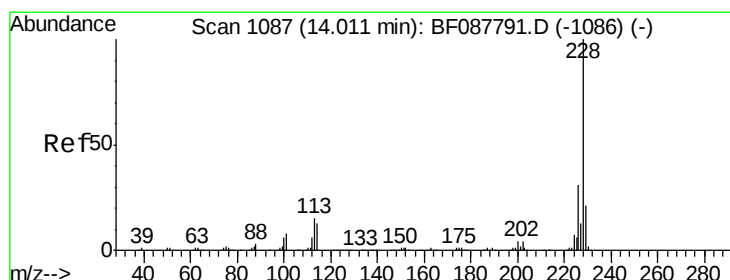
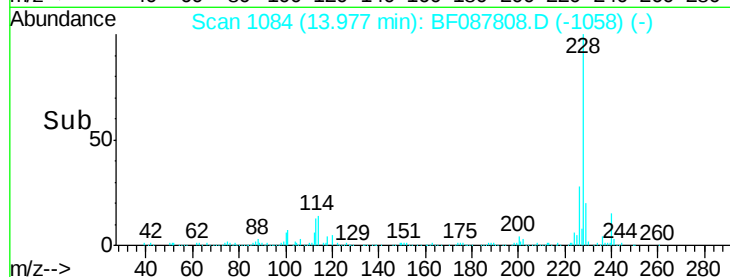
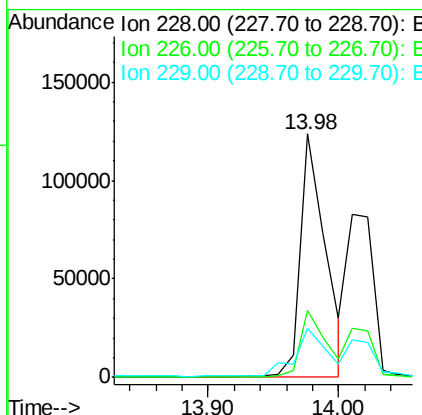
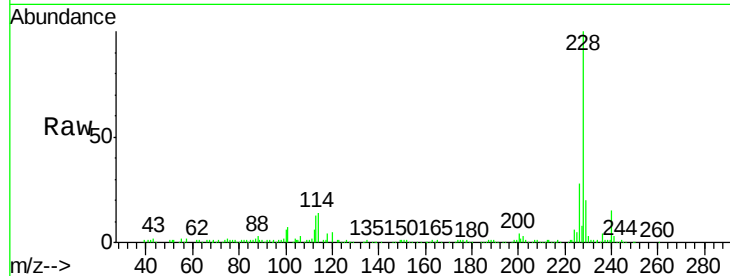
#80
Benzo(a)anthracene
Concen: 12.26 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Instrument :
BNA_F
ClientSampleId :
SS-12

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.3	33.5
229	20.4	16.0	24.0

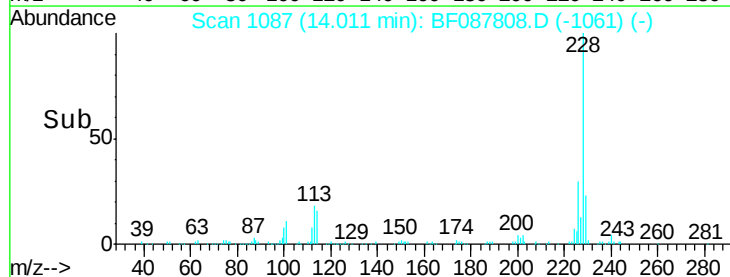
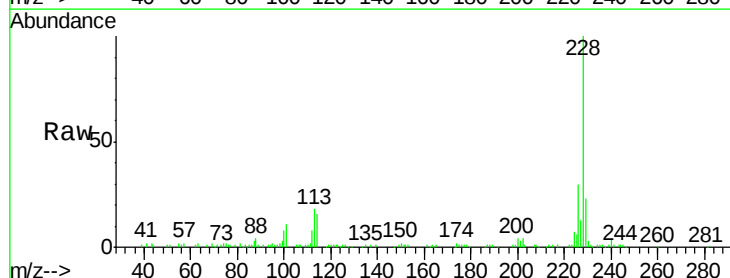
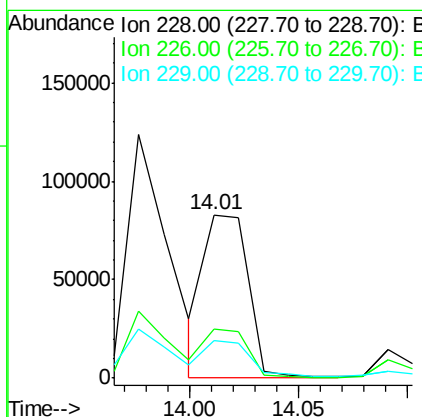
Manual Integrations
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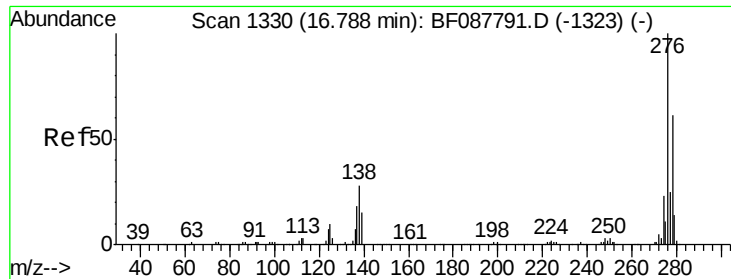
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#82
Chrysene
Concen: 9.11 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	23.1	16.3	24.5





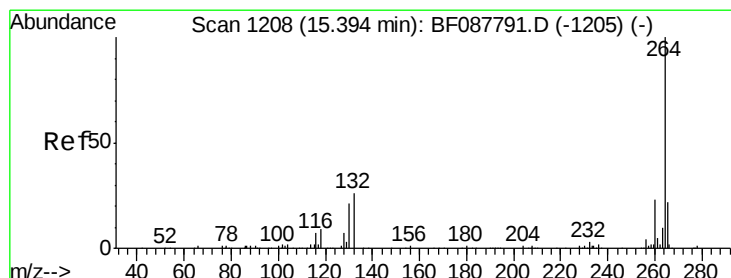
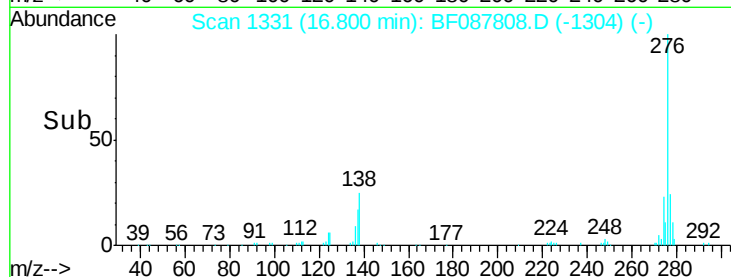
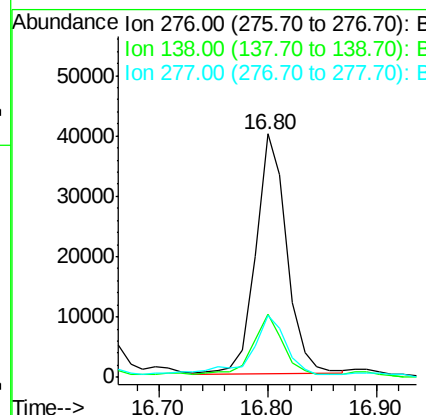
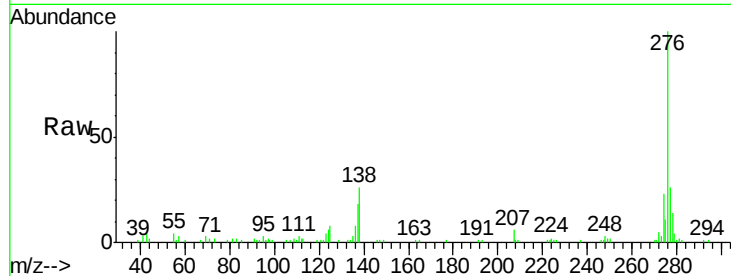
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.64 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Instrument :
BNA_F
ClientSampled :
SS-12

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.0	0.0	0.0#
277	30.0	0.0	0.0#

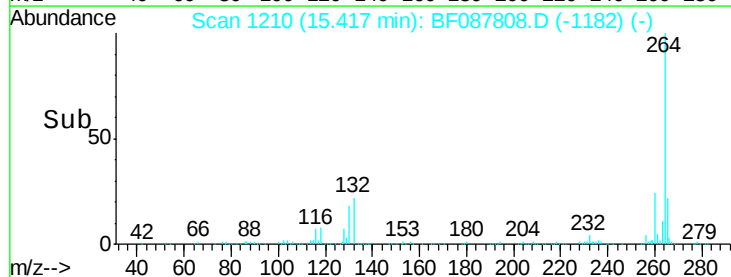
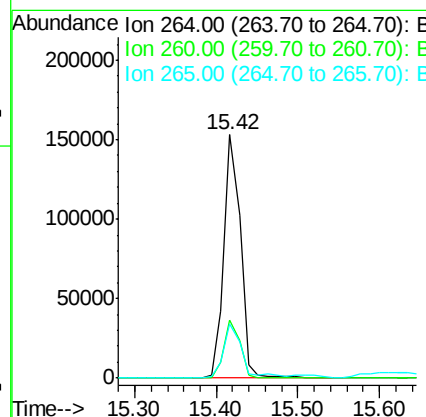
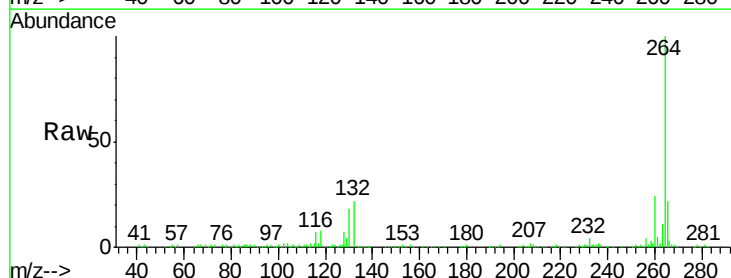
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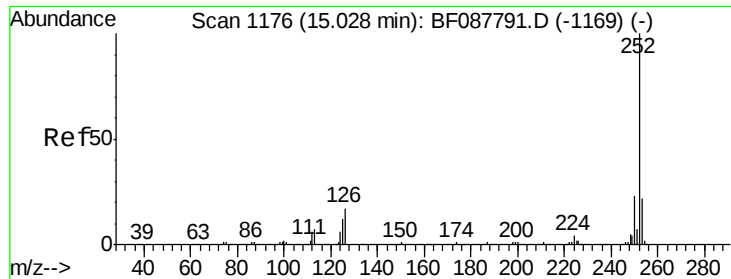
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087808.D
Acq: 8 Jun 2016 14:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.1	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 11.60 ng m

RT: 15.01 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

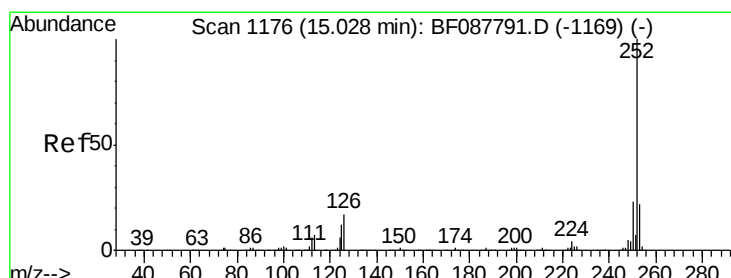
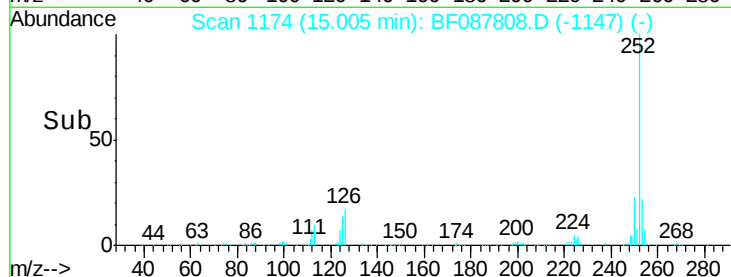
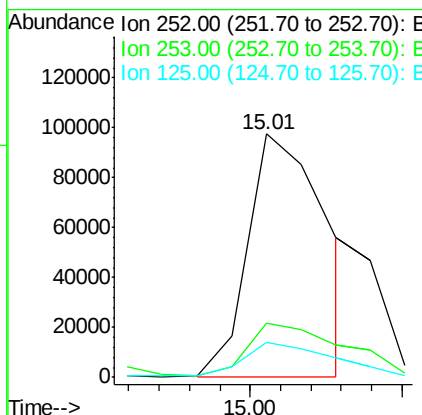
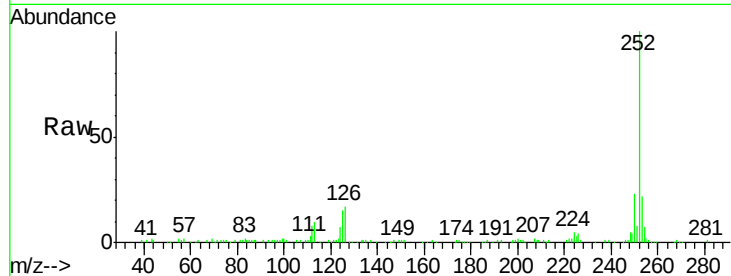
ClientSampleId :

SS-12

Tot Ion:	252	Resp:	174992
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	14.6	7.1	10.7#

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.27 ng m

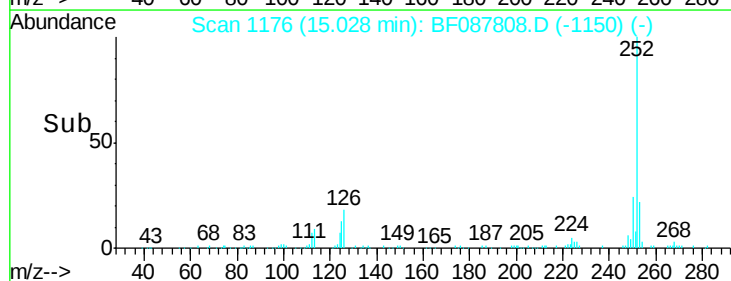
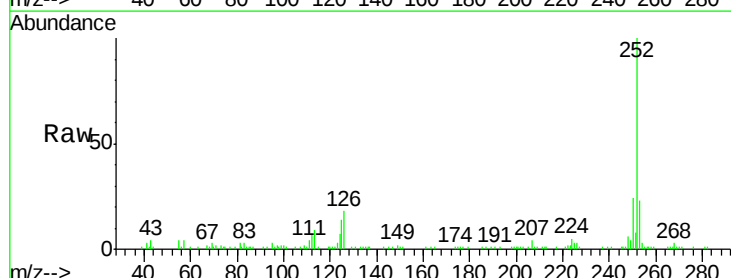
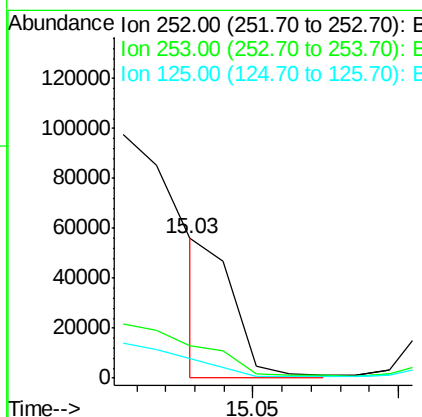
RT: 15.03 min Scan# 1176

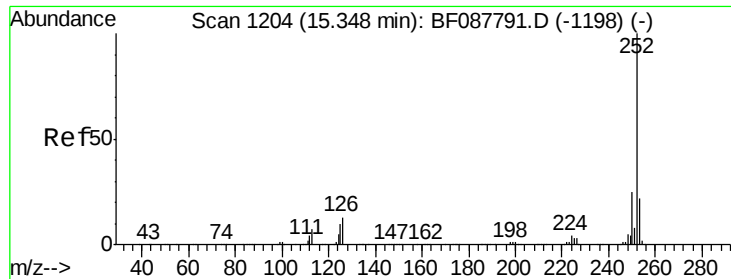
Delta R.T. -0.00 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Tgt Ion:	252	Resp:	37242
Ion Ratio	Lower	Upper	
252	100		
253	23.2	18.0	27.0
125	14.2	11.2	16.8





#89

Benzo(a)pyrene

Concen: 9.91 ng/mL

RT: 15.36 min Scan# 1205

Delta R.T. 0.01 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Instrument :

BNA_F

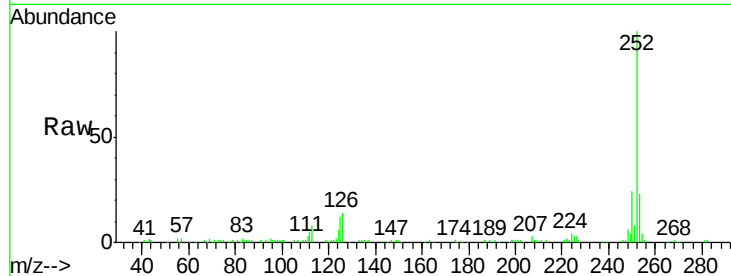
ClientSampled :

SS-12

Tot Ion:	252	Resp:	120934
Ion Ratio		Lower	Upper
252	100		
253	22.7	17.9	26.9
125	11.6	12.5	18.7#

Manual Integrations
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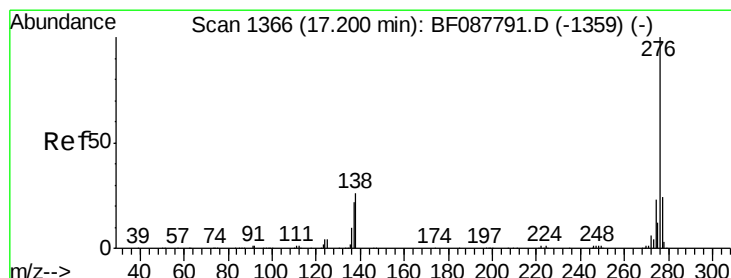
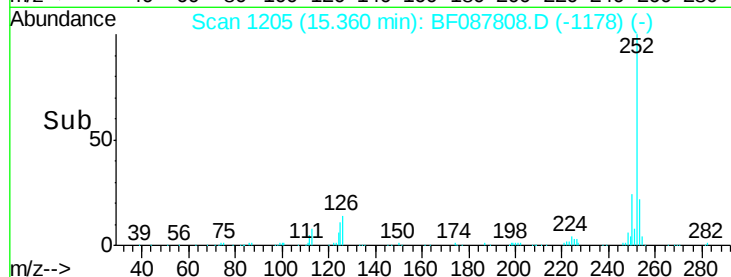
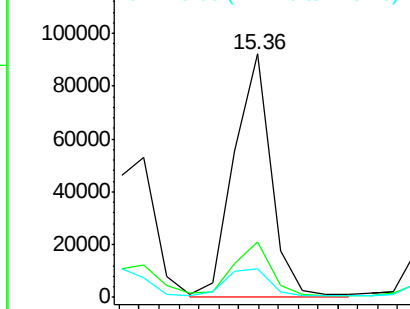


Abundance

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



#91

Benzo(g,h,i)perylene

Concen: 6.84 ng/mL

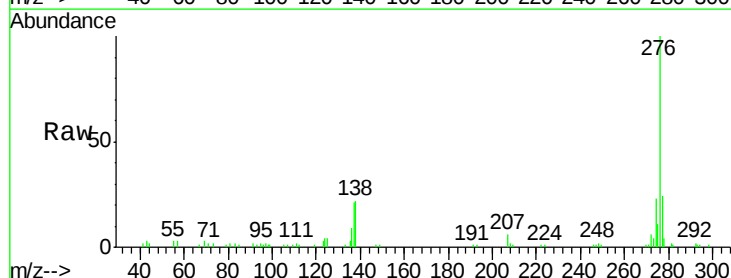
RT: 17.22 min Scan# 1368

Delta R.T. 0.02 min

Lab File: BF087808.D

Acq: 8 Jun 2016 14:22

Tgt Ion:	276	Resp:	79805
Ion Ratio		Lower	Upper
276	100		
277	24.2	18.9	28.3
138	22.5	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

