

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087809.D
 Acq On : 8 Jun 2016 14:52
 Operator : UM/SJ
 Sample : H3379-20
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-13

Manual Integrations
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 6/9/2016 8:00:34 PM

Quant Time: Jun 09 11:18:32 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	92753	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	401191	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	190512	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	316070	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	206798	20.00	ng	0.00
86) Perylene-d12	15.42	264	205137	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	439387	80.98	ng	-0.01
7) Phenol-d6	6.46	99	573678	87.25	ng	-0.02
23) Nitrobenzene-d5	7.38	82	377284	54.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	167937	83.48	ng	-0.01
44) 2-Fluorobiphenyl	9.20	172	726511	58.16	ng	-0.01
78) Terphenyl-d14	12.95	244	568185	62.52	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.59	163	226562	16.42	ng	Qvalue 100
70) Phenanthrene	11.38	178	162742	9.81	ng	97
71) Anthracene	11.43	178	41410	2.48	ng	98
74) Fluoranthene	12.56	202	232755	13.30	ng	96
77) Pyrene	12.79	202	212470	13.85	ng	98
80) Benzo(a)anthracene	13.98	228	109489	9.29	ng	100
82) Chrysene	14.01	228	78690	7.10	ng	95
85) Indeno(1,2,3-cd)pyrene	16.80	276	56234	5.46	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	131713m	9.21	ng	
88) Benzo(k)fluoranthene	15.03	252	25999m	2.41	ng	
89) Benzo(a)pyrene	15.36	252	86611m	7.49	ng	
91) Benzo(a,h,i)perylene	17.22	276	56363	5.10	ng	96

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

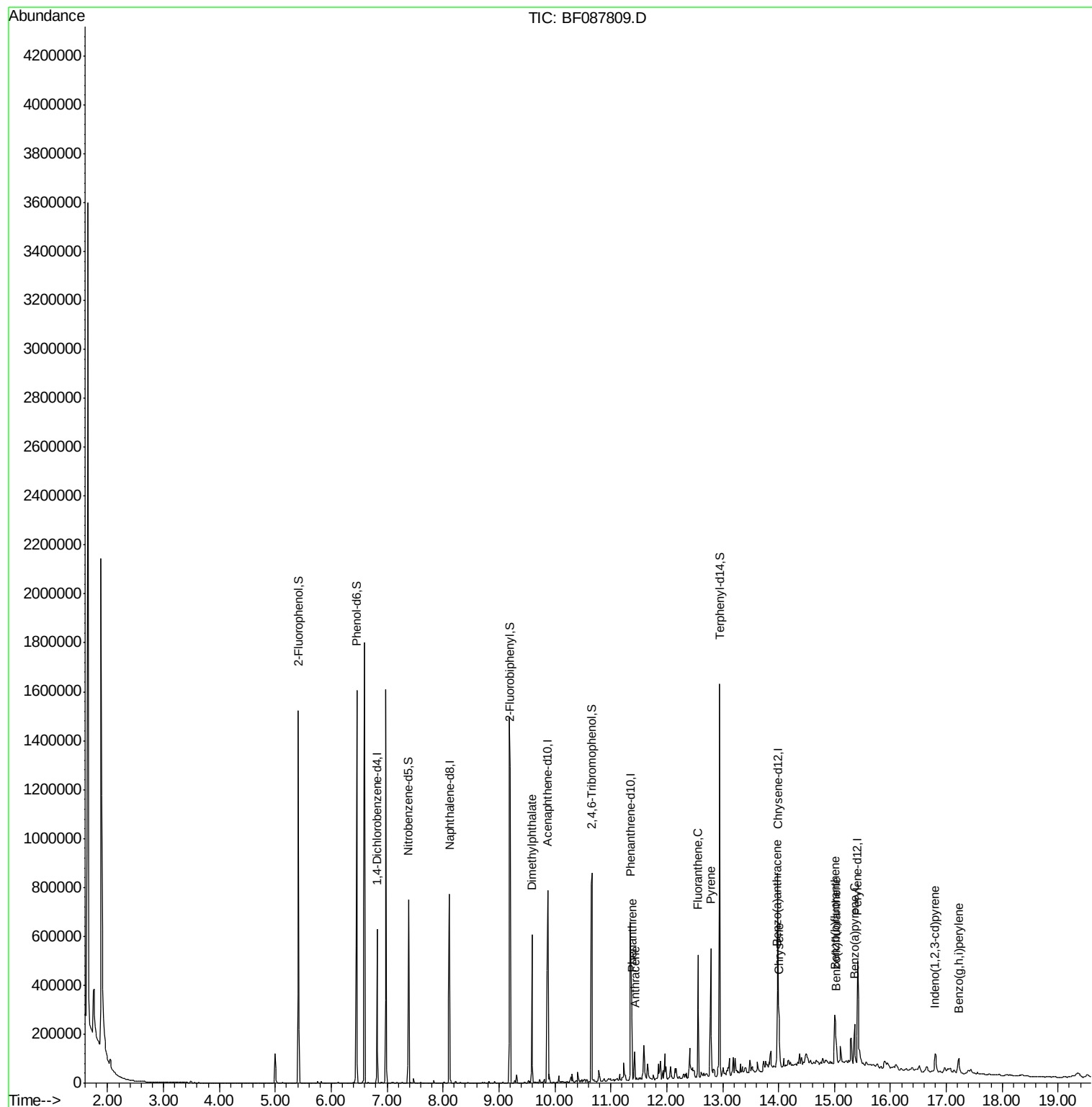
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087809.D
Acq On : 8 Jun 2016 14:52
Operator : UM/SJ
Sample : H3379-20
Misc :
ALS Vial : 4 Sample Multiplier: 1

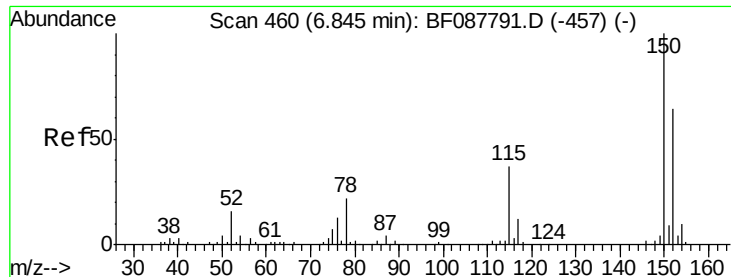
Instrument :
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ClientSampleId :
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#1

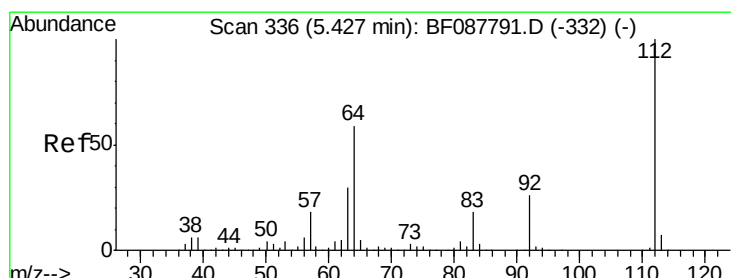
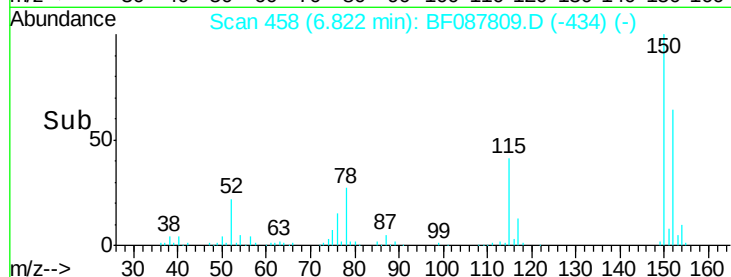
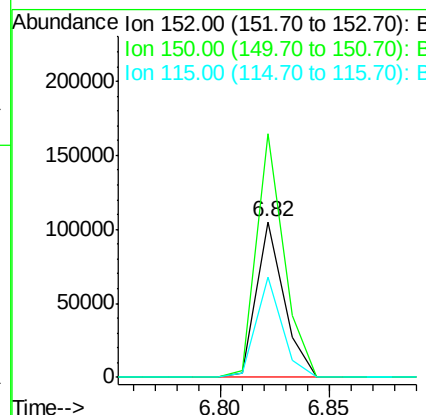
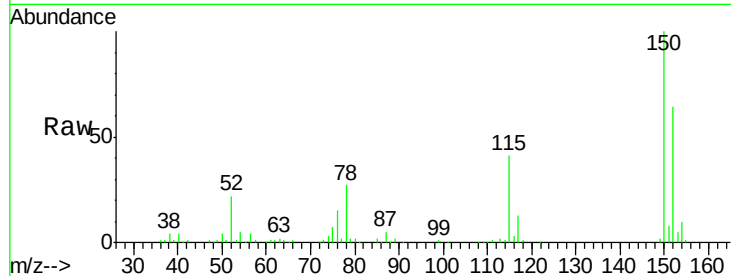
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampled :
SS-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.4	123.8	185.6
115	64.6	39.6	59.4

Manual Integrations
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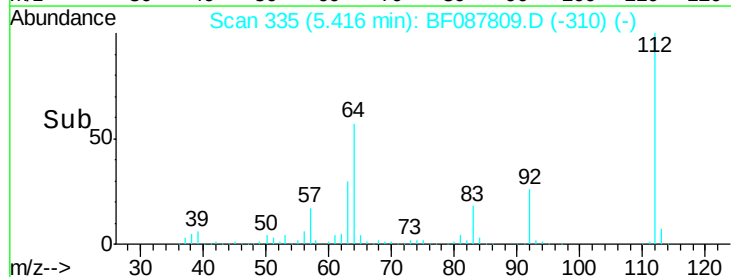
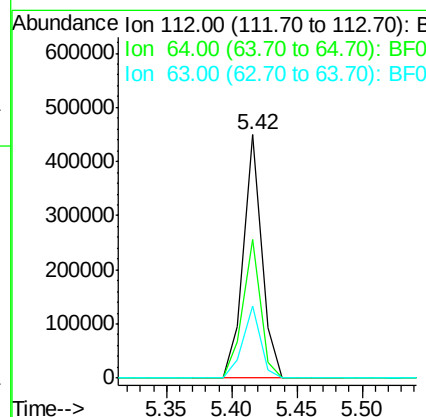
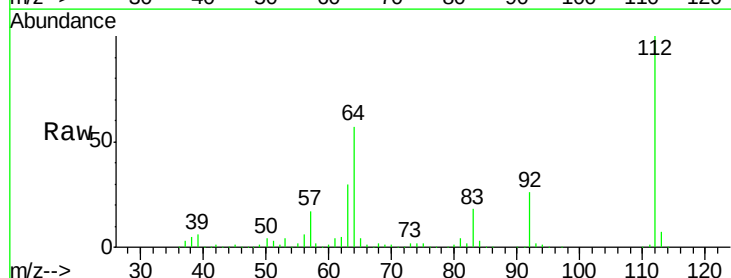
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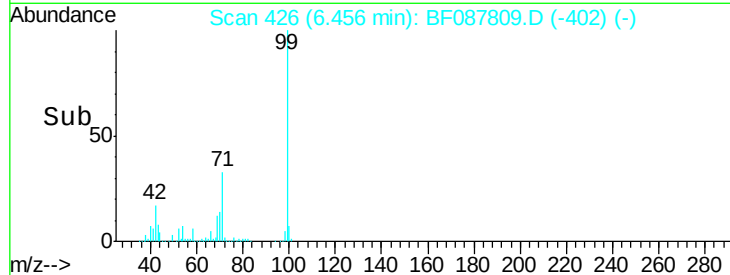
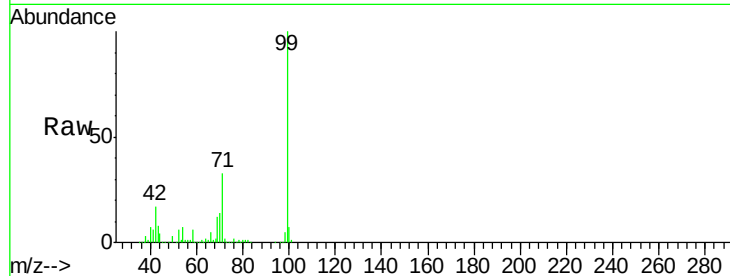
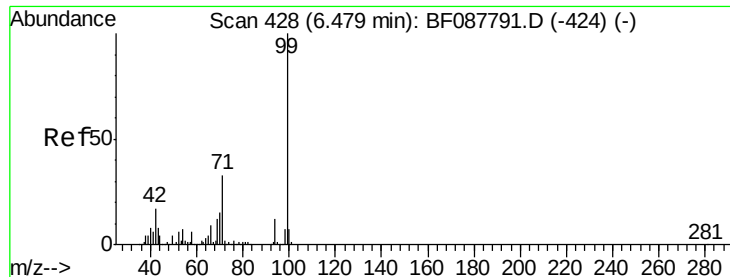


#5

2-Fluorophenol
Concen: 80.98 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.1	42.2	63.2
63	29.8	21.8	32.8





#7

Phenol-d6

Concen: 87.25 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		573678		
42	16.8	12.2	18.2		
71	33.4	23.4	35.0		

Instrument :

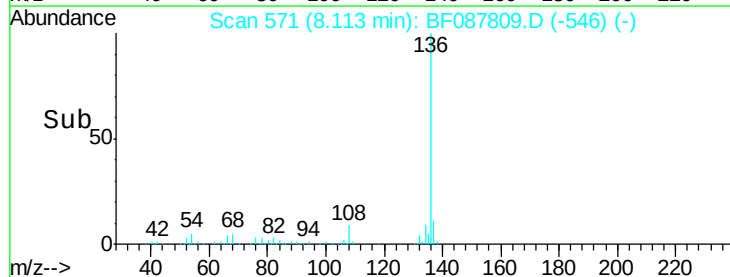
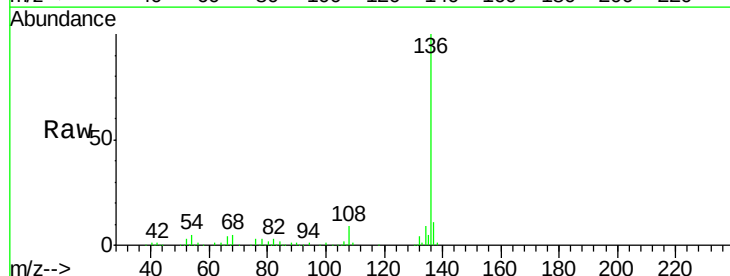
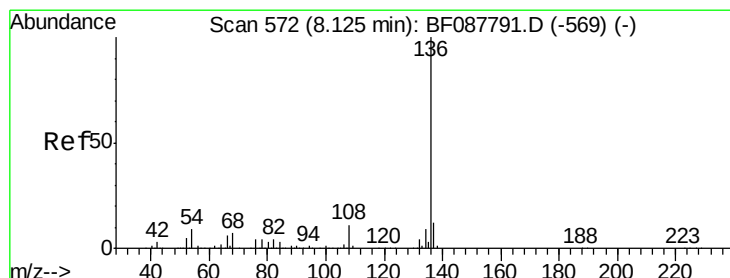
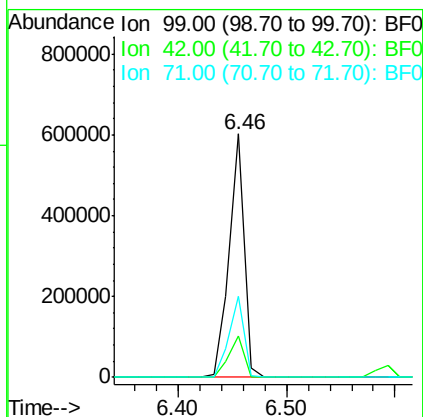
BNA_F

ClientSampleId :

SS-13

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#21

Naphthalene-d8

Concen: 20.00 ng

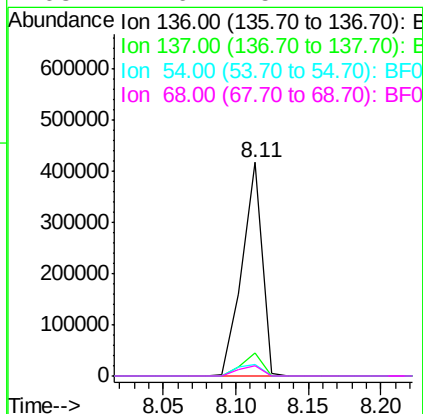
RT: 8.11 min Scan# 571

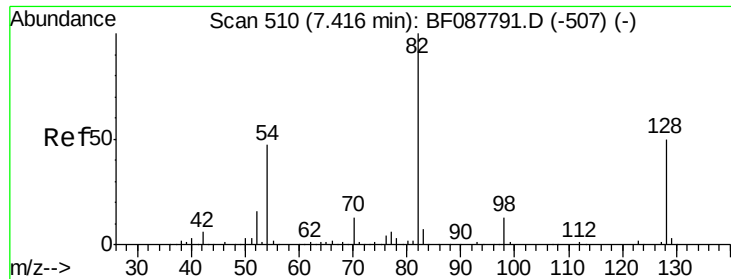
Delta R.T. -0.01 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		401191		
137	10.6	9.1	13.7		
54	5.4	6.6	10.0#		
68	4.6	5.1	7.7#		





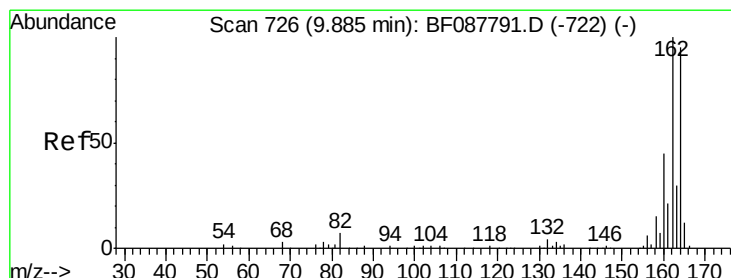
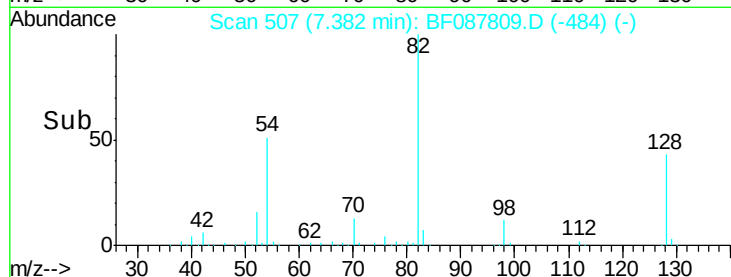
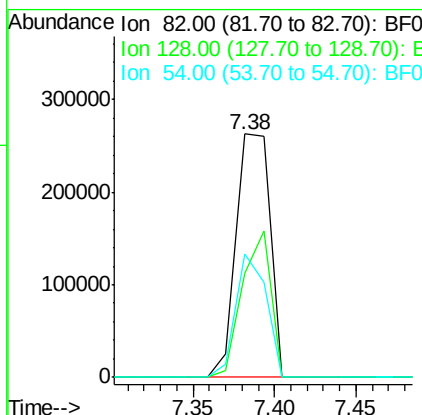
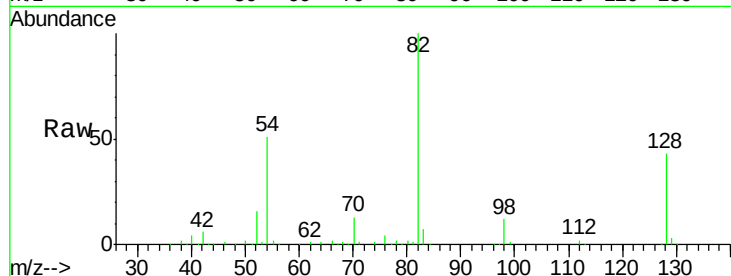
#23
 Nitrobenzene-d5
 Concen: 54.91 ng
 RT: 7.38 min Scan# 507
 Delta R.T. -0.03 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Instrument :
 BNA_F
 ClientSampled :
 SS-13

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.8	35.9	53.9
54	50.7	40.9	61.3

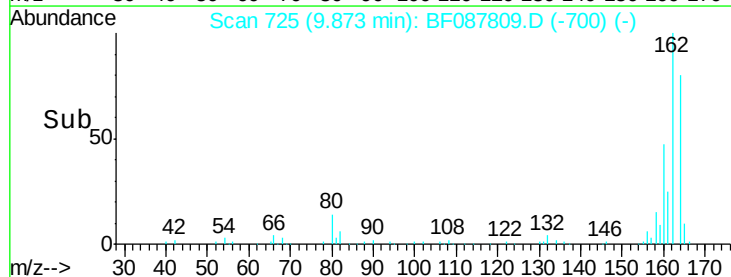
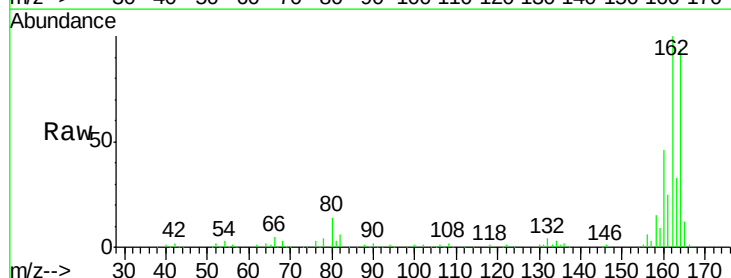
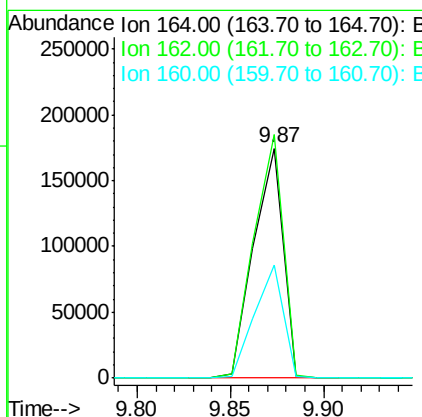
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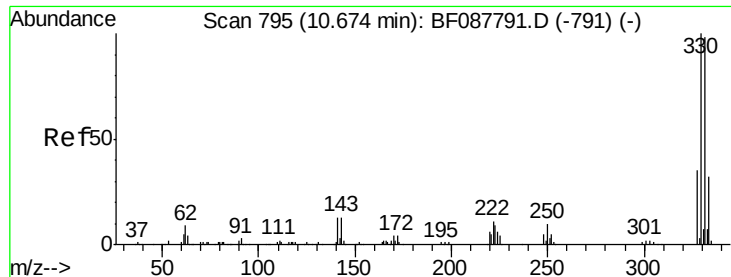
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#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.87 min Scan# 725
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	85.4	128.2
160	49.0	39.5	59.3





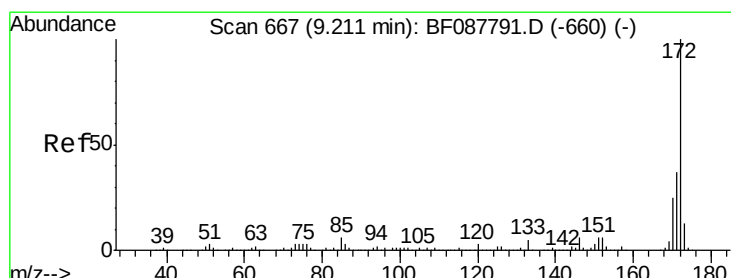
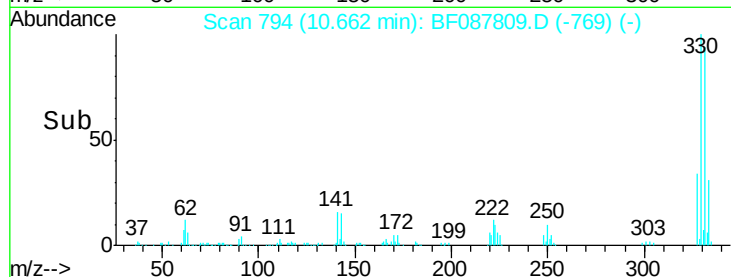
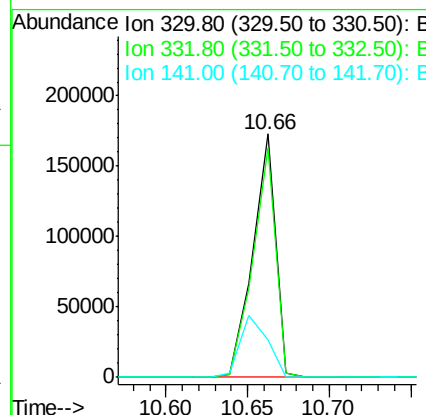
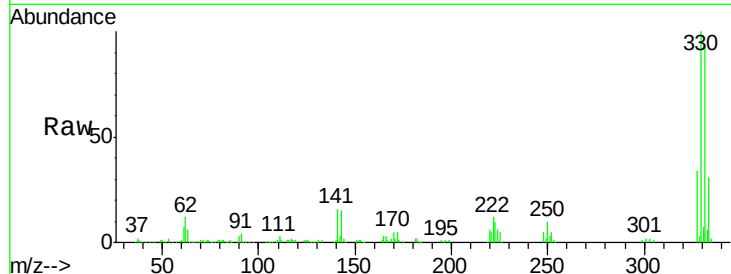
#41
 2,4,6-Tribromophenol
 Concen: 83.48 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 SS-13

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	94.6	0.0	0.0#
141	30.4	0.0	0.0#

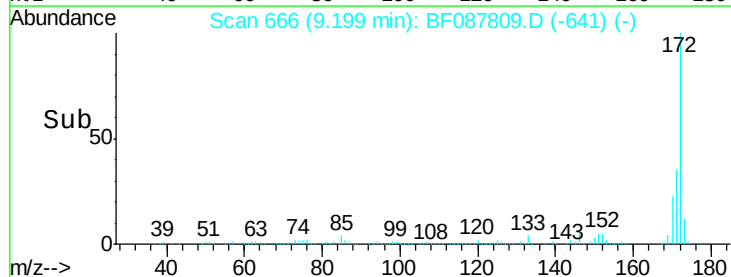
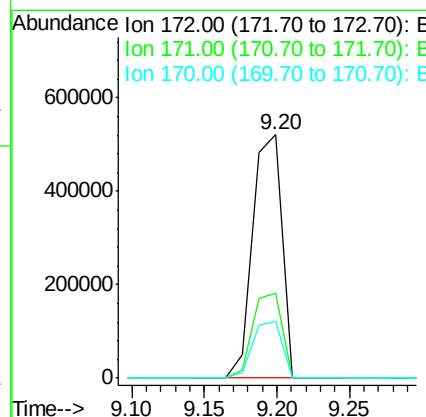
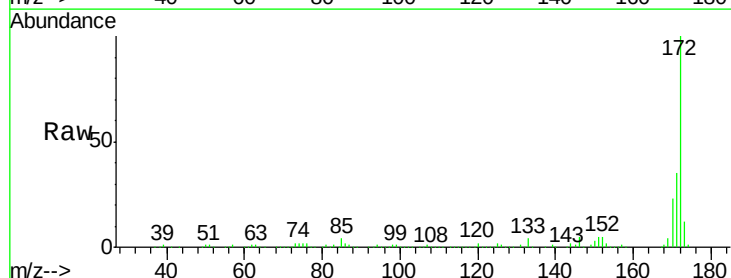
Manual Integrations
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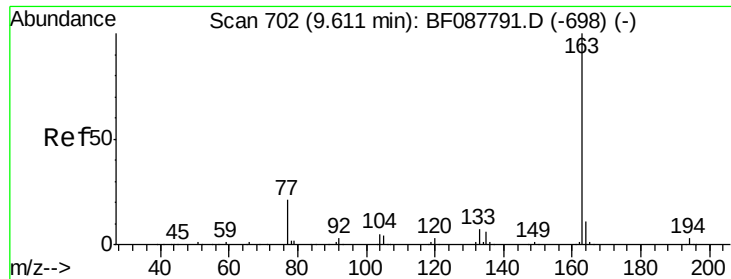
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#44
 2-Fluorobiphenyl
 Concen: 58.16 ng
 RT: 9.20 min Scan# 666
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.3	19.2	28.8





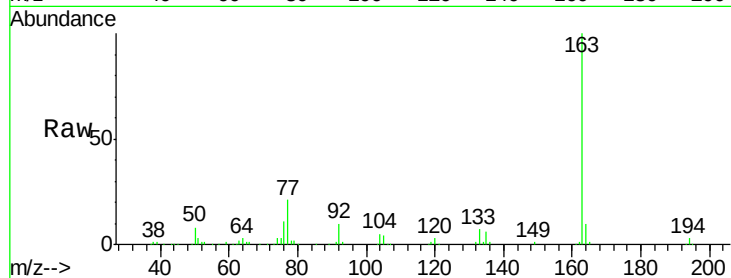
#49
Dimethylphthalate
Concen: 16.42 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampleId :
SS-13

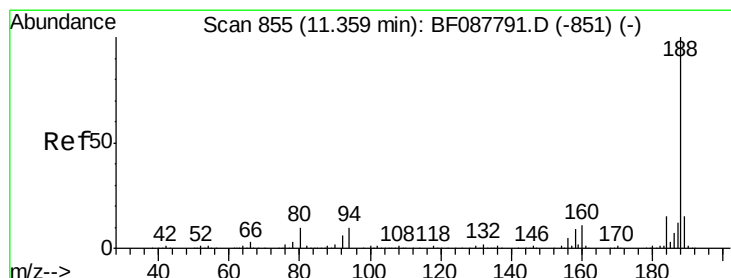
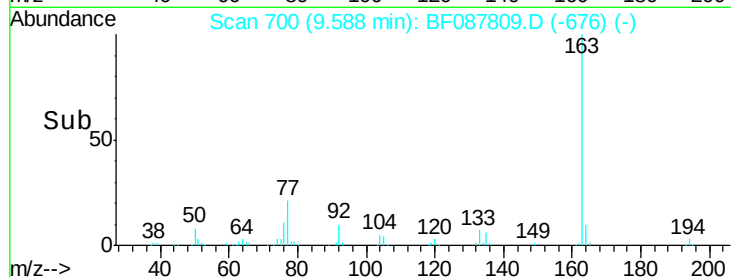
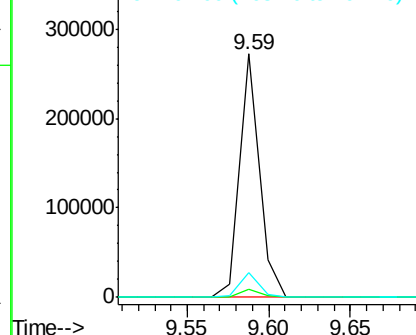
Tot Ion	Ratio	Resp Lower	Upper
163	100		
194	3.2	2.8	4.2
164	10.3	8.3	12.5

Manual Integrations
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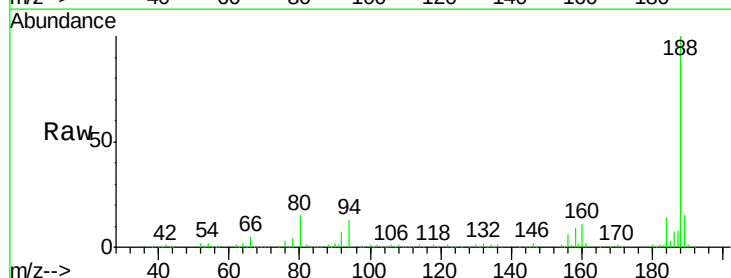


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

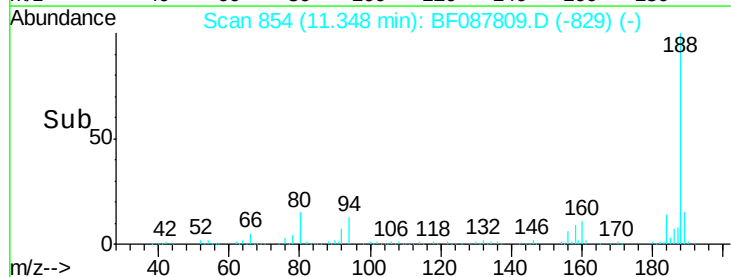
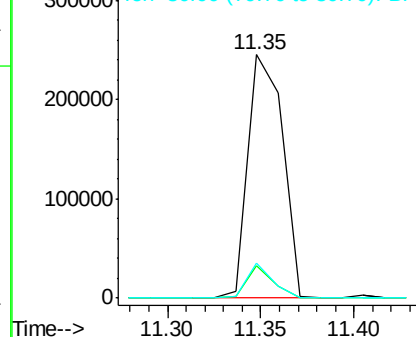


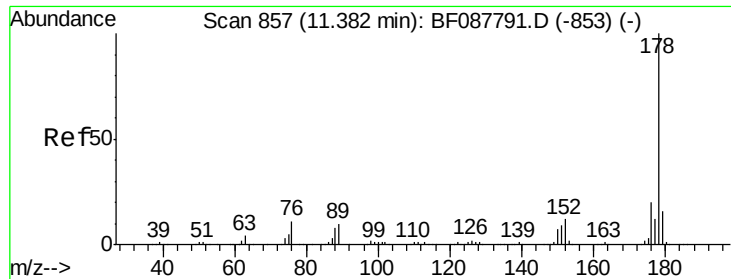
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	13.4	9.0	13.6
80	14.6	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





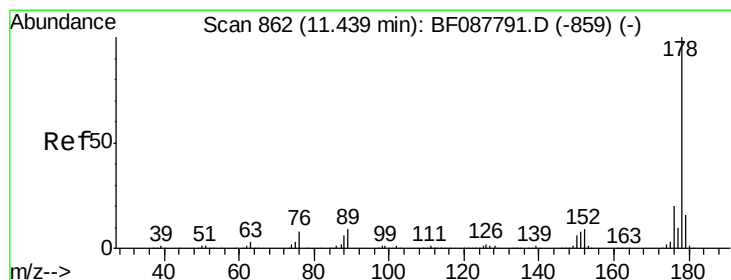
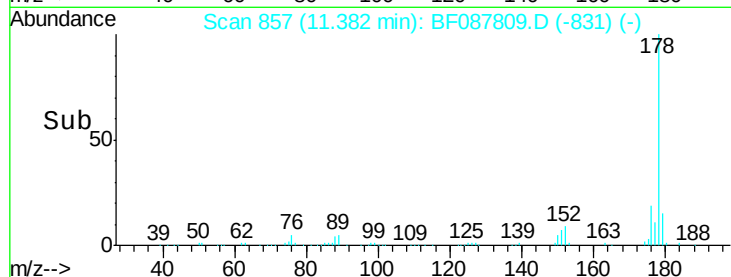
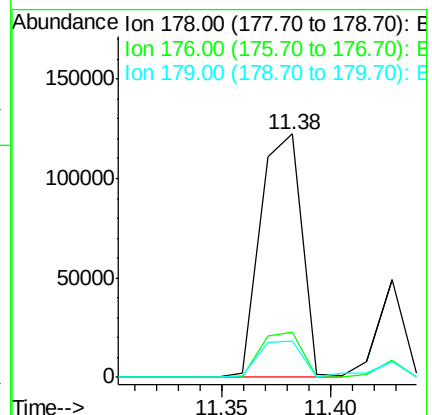
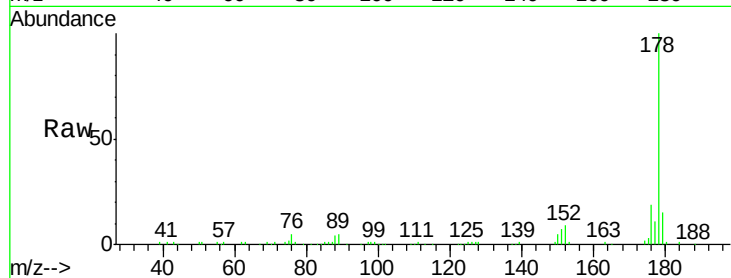
#70
 Phenanthrene
 Concen: 9.81 ng
 RT: 11.38 min Scan# 857
 Delta R.T. -0.00 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Instrument :
 BNA_F
 ClientSampleId :
 SS-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	14.9	13.0	19.4

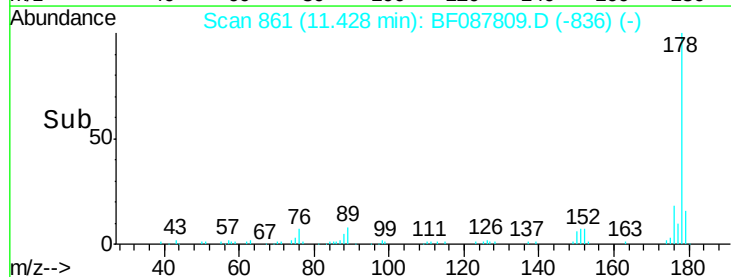
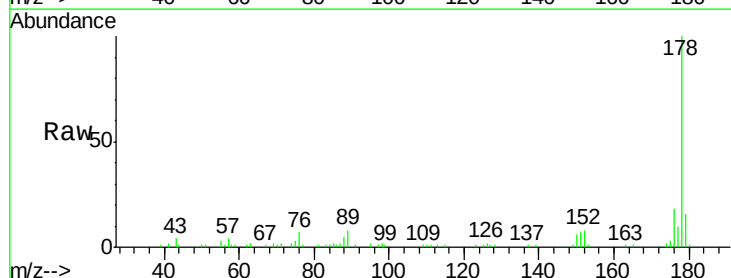
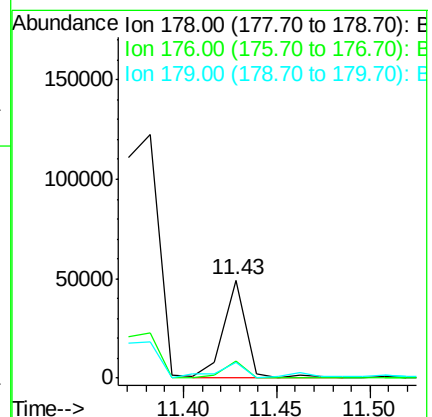
Manual Integrations
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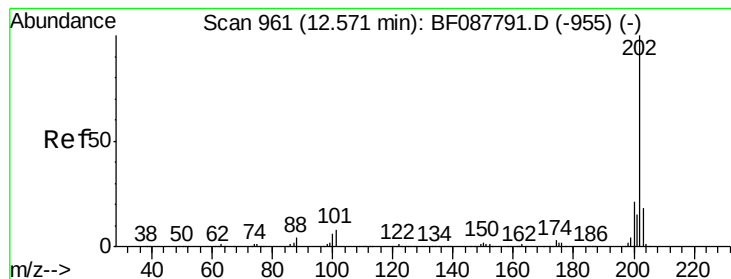
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#71
 Anthracene
 Concen: 2.48 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087809.D
 Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.6	23.4
179	16.1	12.8	19.2





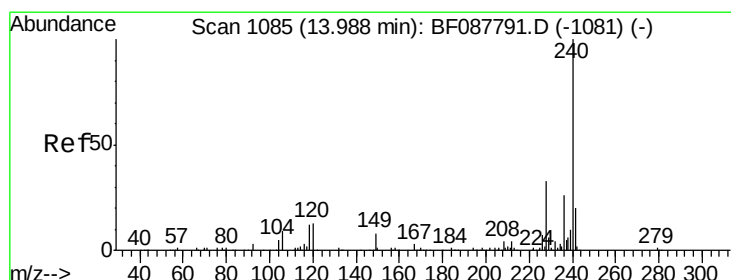
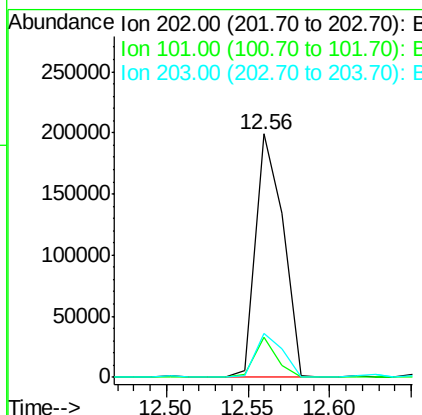
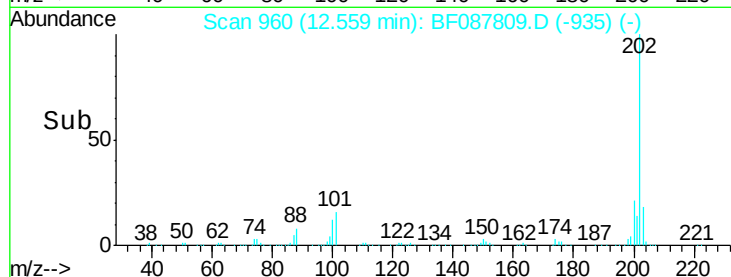
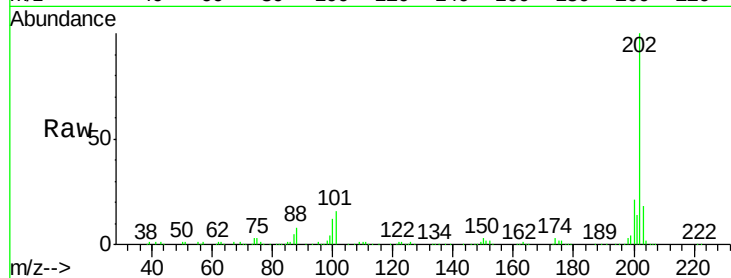
#74
Fluoranthene
Concen: 13.30 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampled :
SS-13

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	16.5	0.0	33.1
203	18.0	0.0	38.1

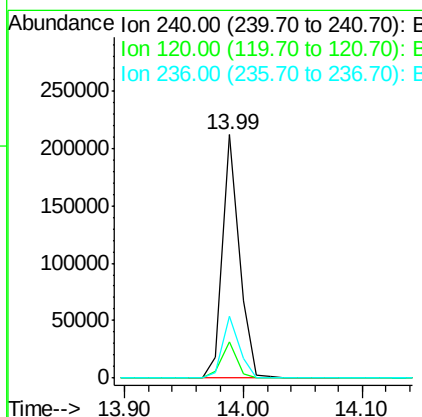
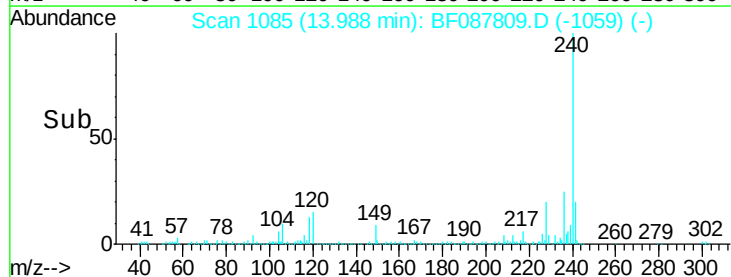
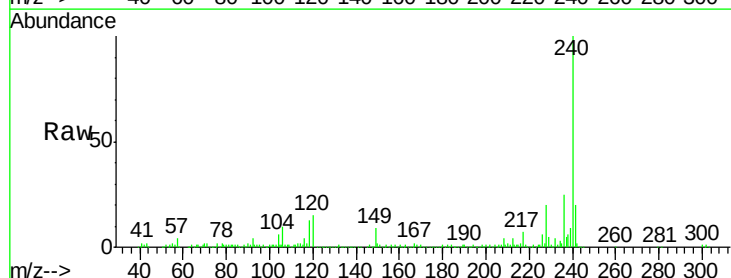
Manual Integrations
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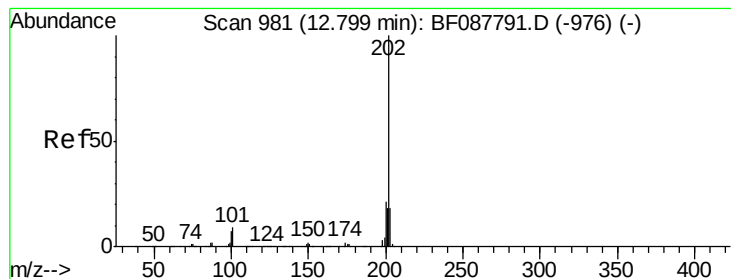
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#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1085
Delta R.T. -0.00 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	14.9	6.8	10.2#
236	25.5	20.2	30.2





#77

Pvrene

Concen: 13.85 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

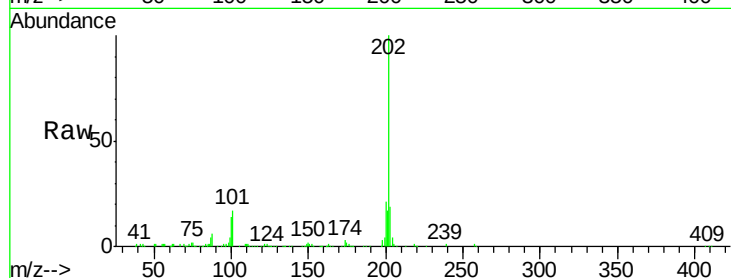
ClientSampled :

SS-13

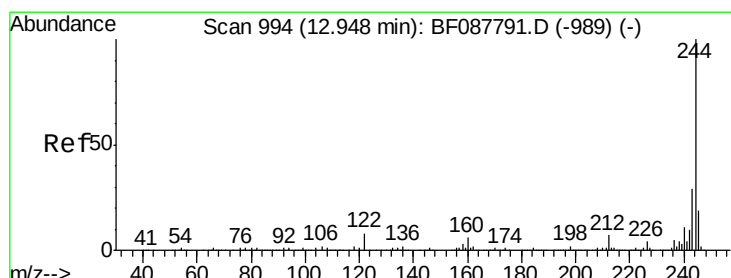
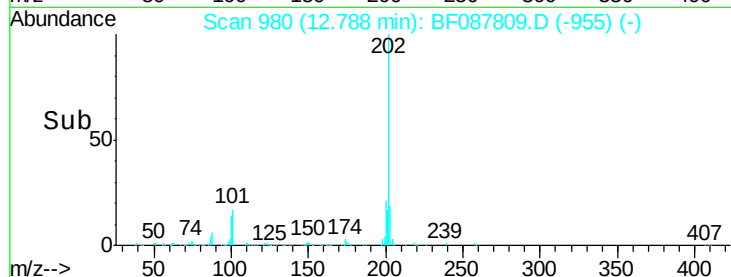
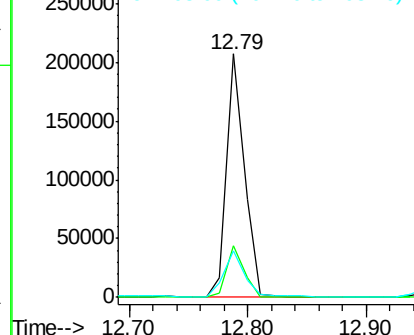
Tot Ion:	202	Resp:	212470
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	19.1	14.5	21.7

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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: 62.52 ng

RT: 12.95 min Scan# 994

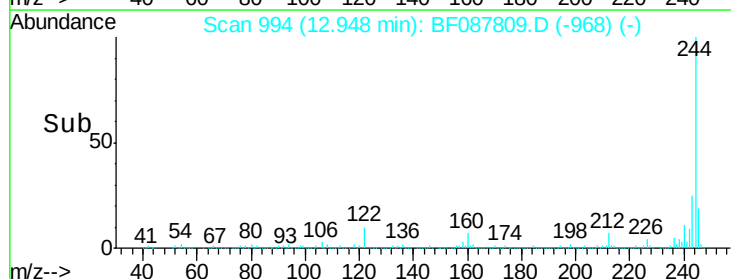
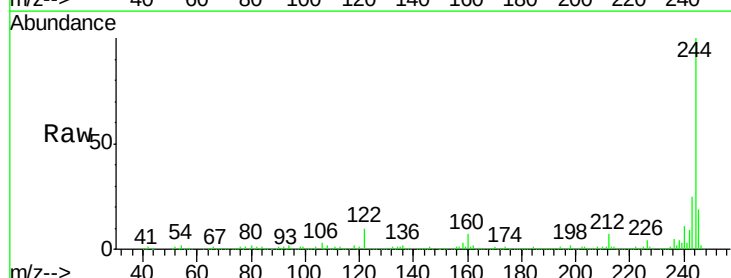
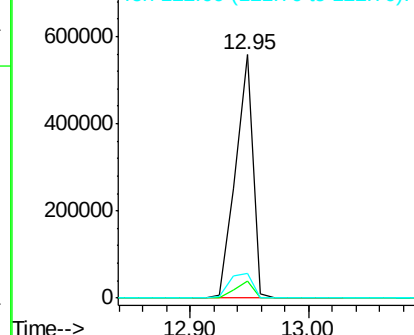
Delta R.T. -0.00 min

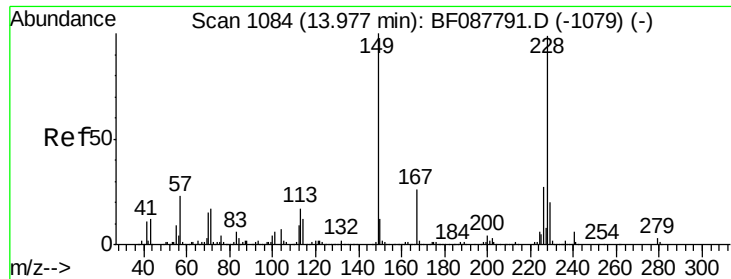
Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Tgt Ion:	244	Resp:	568185
Ion Ratio	Lower	Upper	
244	100		
212	6.8	6.0	9.0
122	10.1	11.2	16.8#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





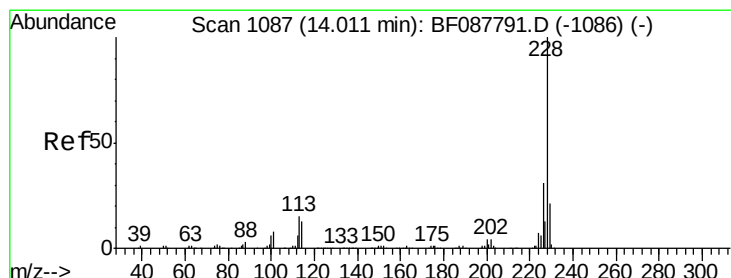
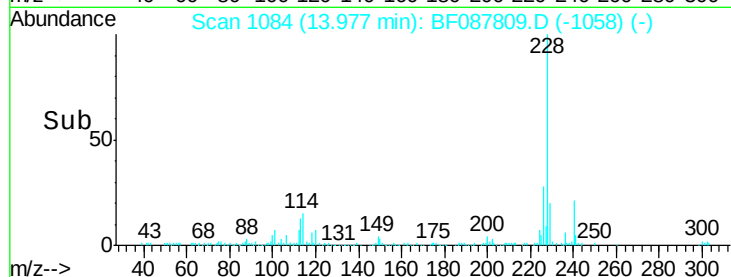
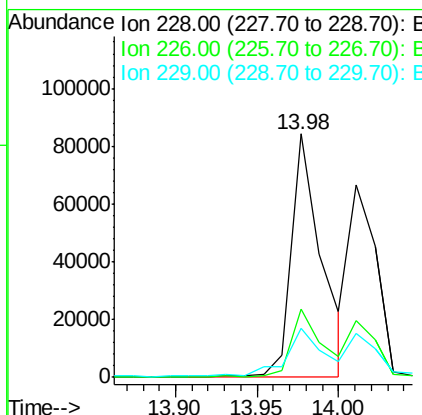
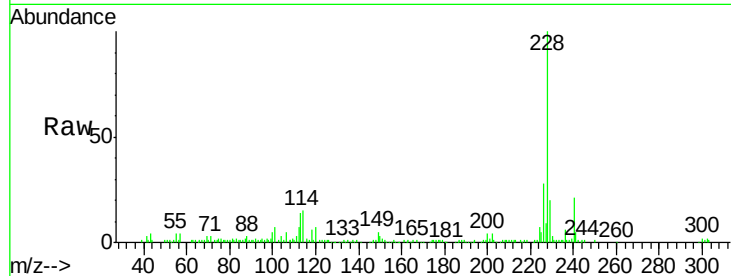
#80
Benzo(a)anthracene
Concen: 9.29 ng
RT: 13.98 min Scan# 1084
Delta R.T. -0.00 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampleId :
SS-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.3	33.5
229	20.2	16.0	24.0

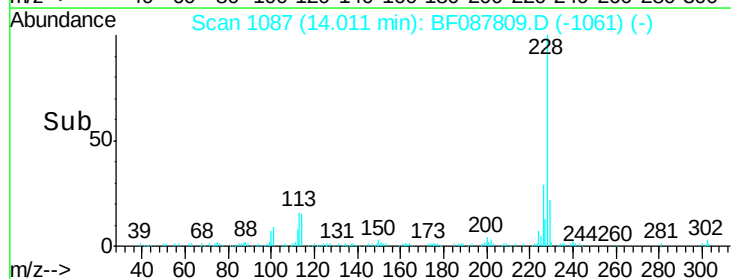
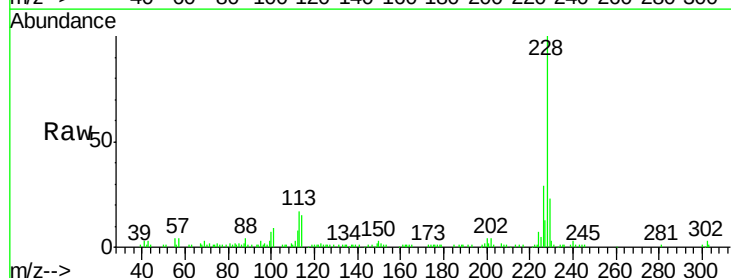
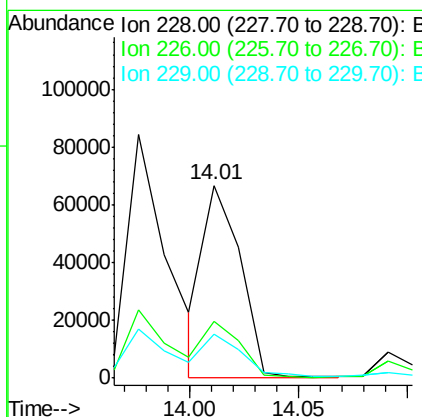
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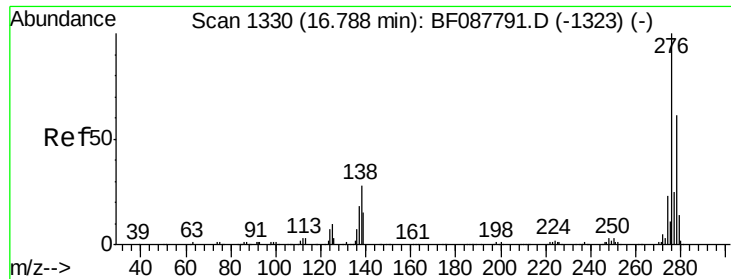
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#82
Chrysene
Concen: 7.10 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.4	38.2
229	22.8	16.3	24.5





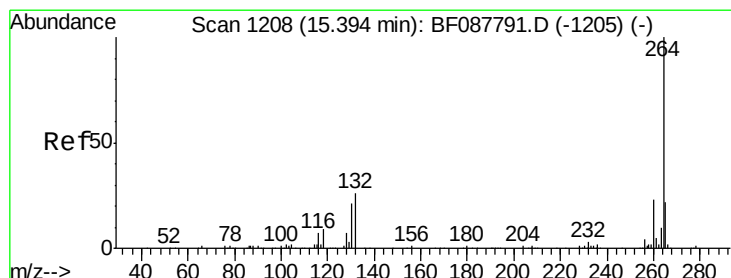
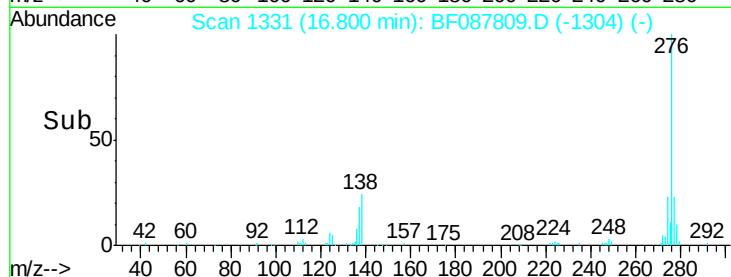
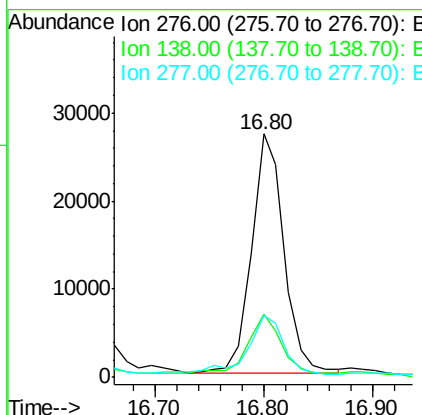
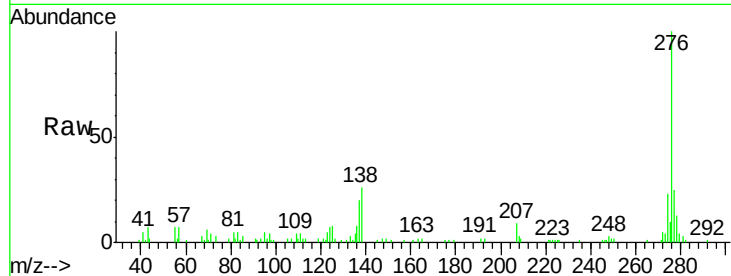
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.46 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampleId :
SS-13

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.8	0.0	0.0#
277	29.2	0.0	0.0#

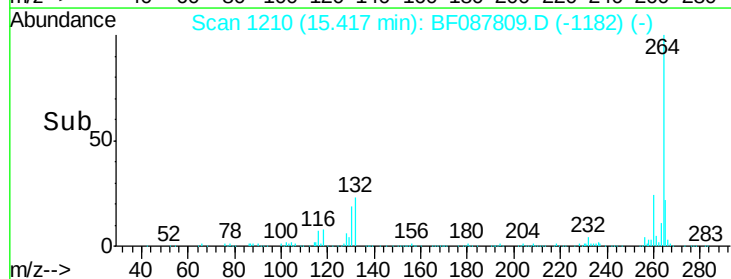
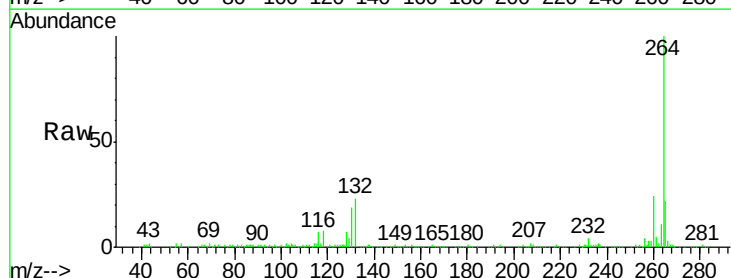
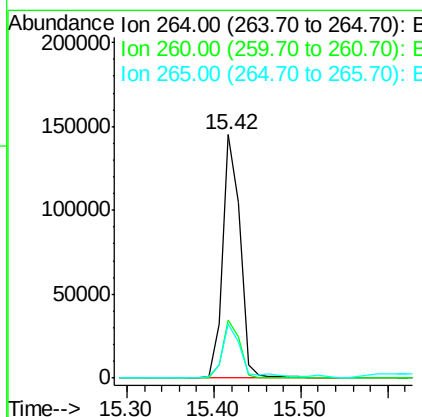
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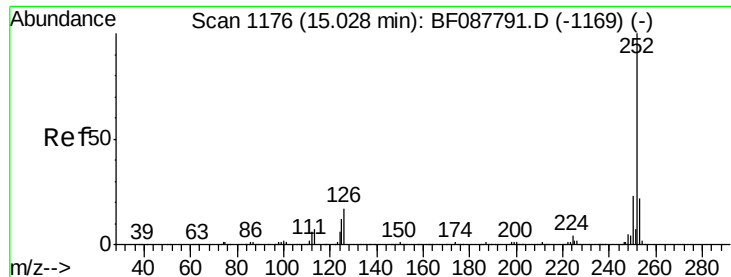
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#86
Perylene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	22.4	16.9	25.3





#87

Benzo(b)fluoranthene

Concen: 9.21 ng m

RT: 15.01 min Scan# 1174

Delta R.T. 0.01 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Instrument :

BNA_F

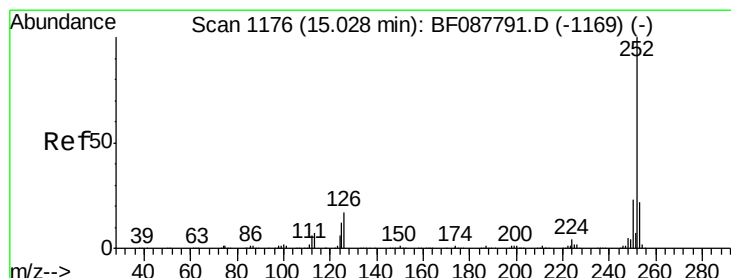
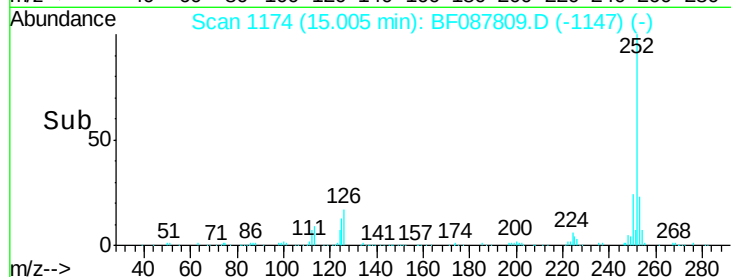
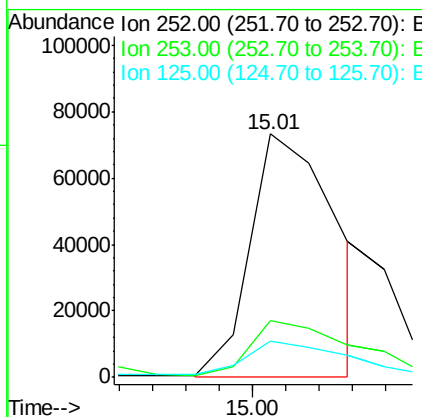
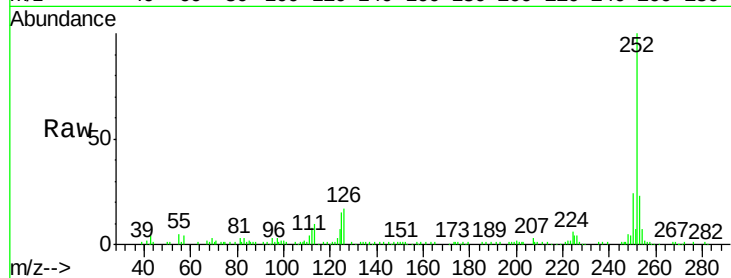
ClientSampled :

SS-13

Tot Ion:	252	Resp:	131713
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.2
125	14.7	7.1	10.7#

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#88

Benzo(k)fluoranthene

Concen: 2.41 ng m

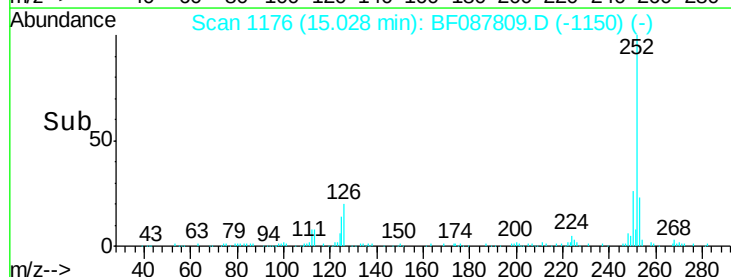
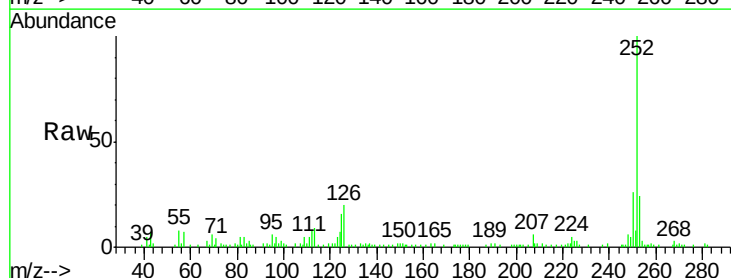
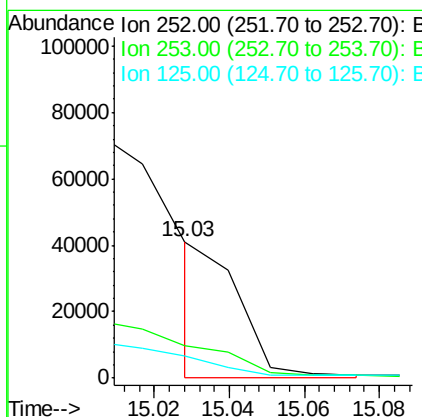
RT: 15.03 min Scan# 1176

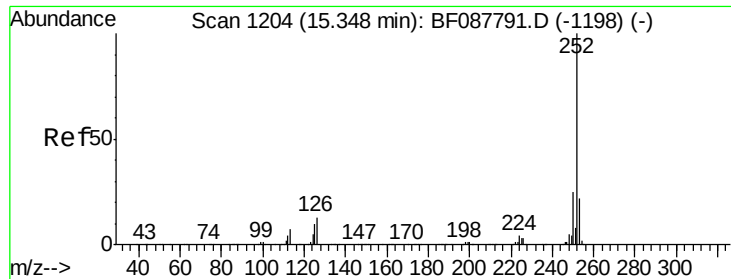
Delta R.T. -0.00 min

Lab File: BF087809.D

Acq: 8 Jun 2016 14:52

Tgt Ion:	252	Resp:	25999
Ion Ratio	Lower	Upper	
252	100		
253	23.9	18.0	27.0
125	15.8	11.2	16.8





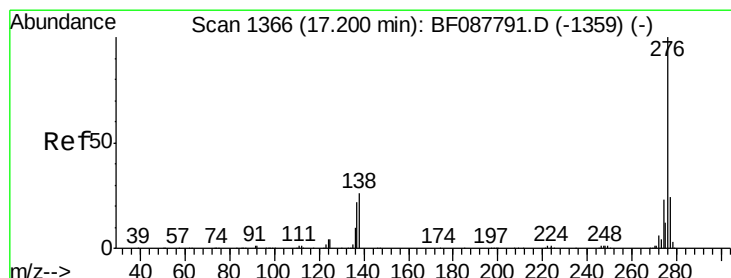
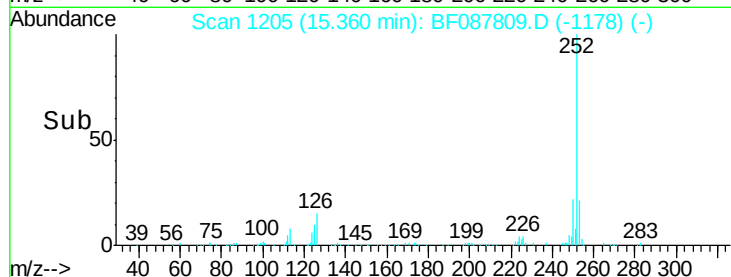
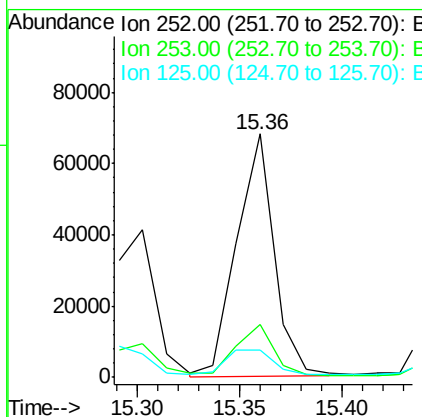
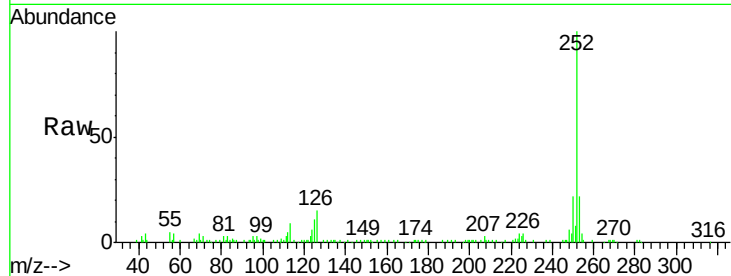
#89
Benzo(a)pyrene
Concen: 7.49 ng m
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Instrument :
BNA_F
ClientSampleId :
SS-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.9	26.9
125	11.5	12.5	18.7#

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#91
Benzo(g,h,i)perylene
Concen: 5.10 ng
RT: 17.22 min Scan# 1368
Delta R.T. 0.02 min
Lab File: BF087809.D
Acq: 8 Jun 2016 14:52

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	23.8	21.4	32.2

