

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087820.D
 Acq On : 8 Jun 2016 20:19
 Operator : UM/SJ
 Sample : H3379-15 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Manual Integrations
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Quant Time: Jun 09 04:07:04 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	101470	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	430463	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	173926	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	258543	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	227234	20.00	ng	0.00
86) Perylene-d12	15.42	264	203981	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	284775	47.98	ng	-0.01
7) Phenol-d6	6.46	99	386535	53.73	ng	-0.02
23) Nitrobenzene-d5	7.38	82	181563	24.63	ng	-0.03
41) 2,4,6-Tribromophenol	10.65	330	65434	35.63	ng	-0.02
44) 2-Fluorobiphenyl	9.19	172	292807	22.37	ng	-0.02
78) Terphenyl-d14	12.94	244	203876	20.42	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	46278	2.17	ng	98
49) Dimethylphthalate	9.59	163	44890	3.56	ng	99
70) Phenanthrene	11.38	178	246495	18.17	ng	97
71) Anthracene	11.43	178	70320	5.14	ng	98
74) Fluoranthene	12.56	202	215111	15.02	ng	98
77) Pyrene	12.79	202	192030	11.39	ng	99
80) Benzo(a)anthracene	13.98	228	109601	8.46	ng	99
82) Chrysene	14.01	228	73765	6.06	ng	96
85) Indeno(1,2,3-cd)pyrene	16.80	276	30036	2.65	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	84227m	5.92	ng	
88) Benzo(k)fluoranthene	15.02	252	35773m	3.34	ng	
89) Benzo(a)pyrene	15.35	252	61617	5.36	ng	96
91) Benzo(a,h,i)perylene	17.21	276	28749	2.62	ng	99

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

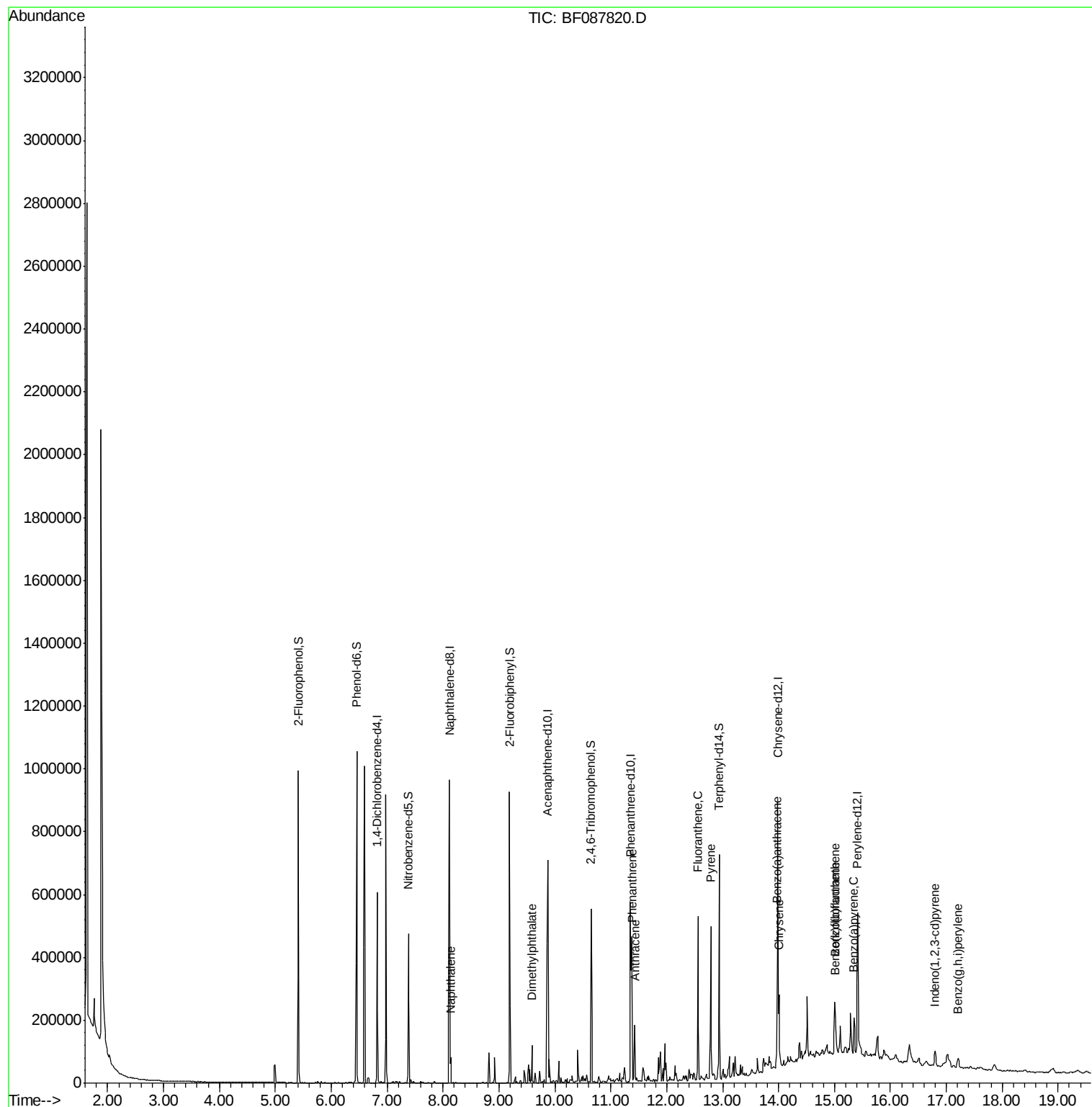
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
Data File : BF087820.D
Acq On : 8 Jun 2016 20:19
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Sample : H3379-15 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

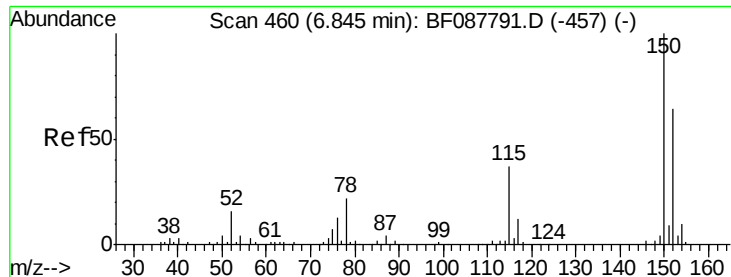
Instrument :
BNA_F
ClientSampleId :
SS-10

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Quant Time: Jun 09 04:07:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

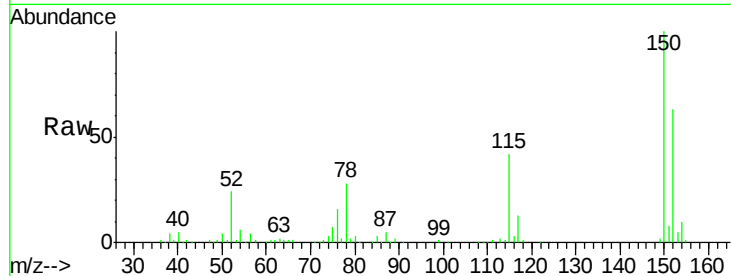
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.4	123.8	185.6
115	66.8	39.6	59.4

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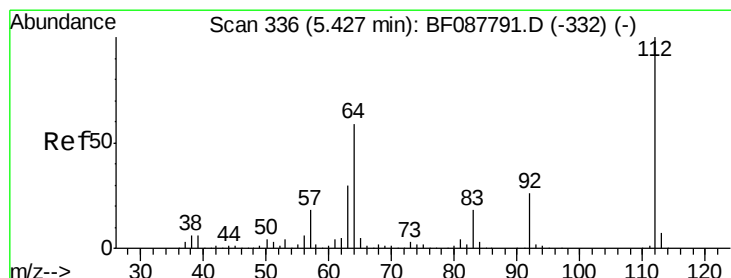
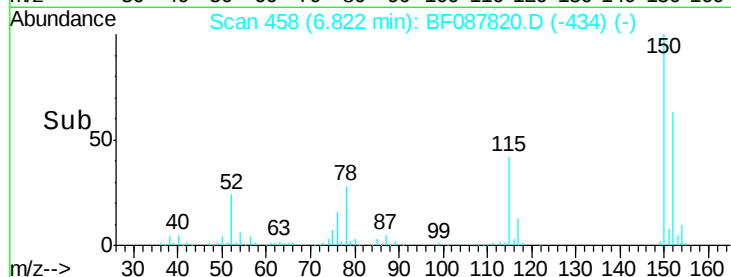
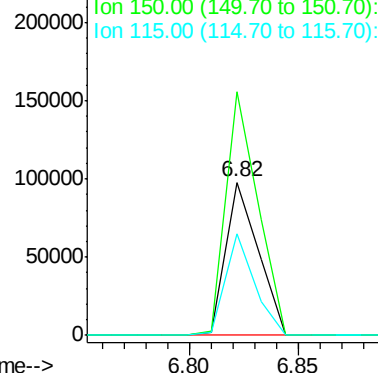


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

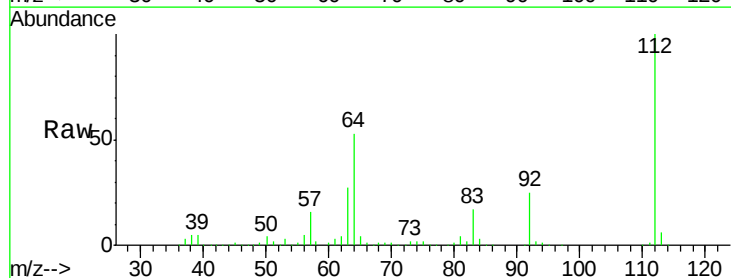
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.98 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	42.2	63.2
63	27.4	21.8	32.8

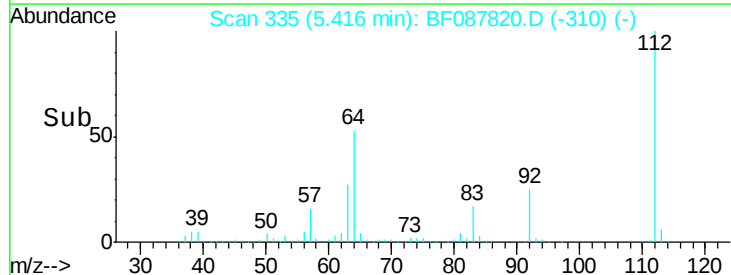
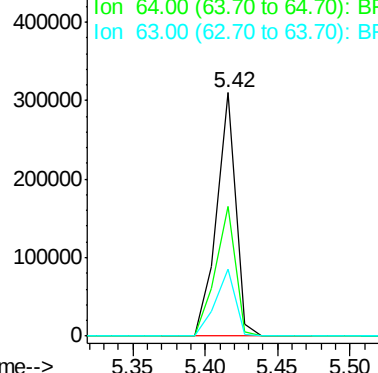


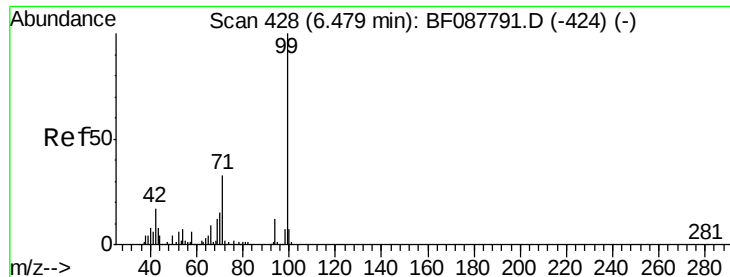
Abundance

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: 53.73 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087820.D

Acq: 8 Jun 2016 20:19

Instrument :

BNA_F

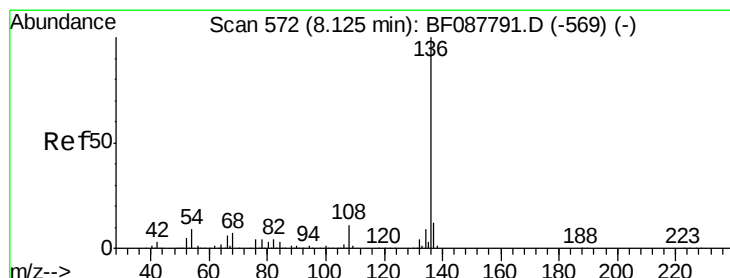
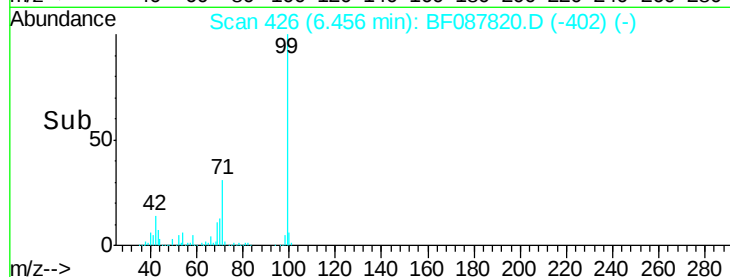
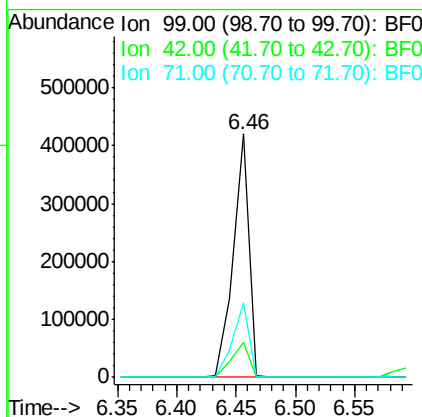
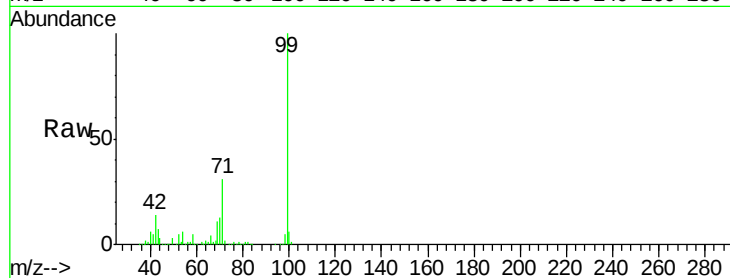
ClientSampleId :

SS-10

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		386535		
42	14.3	12.2	18.2		
71	30.9	23.4	35.0		

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#21

Naphthalene-d8

Concen: 20.00 ng

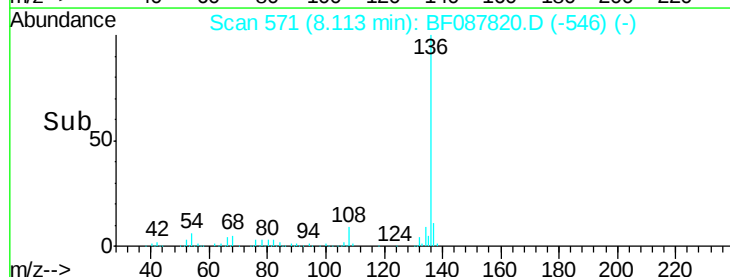
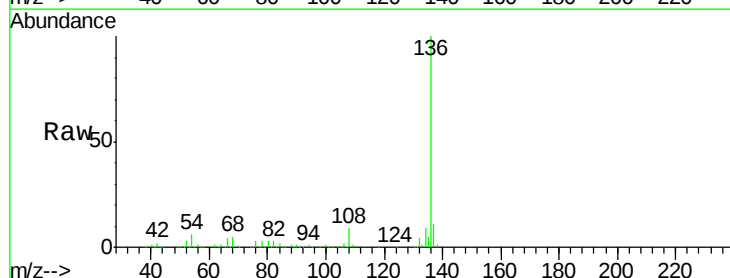
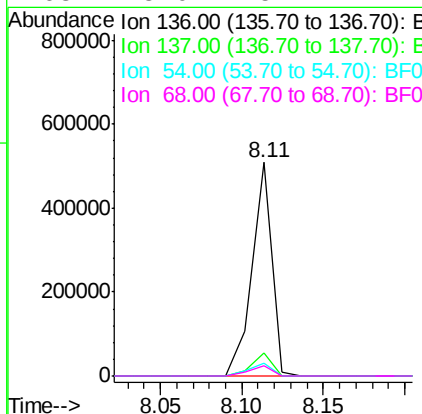
RT: 8.11 min Scan# 571

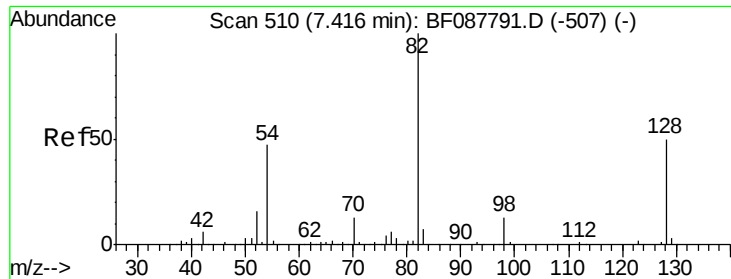
Delta R.T. -0.01 min

Lab File: BF087820.D

Acq: 8 Jun 2016 20:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		430463		
137	10.8	9.1	13.7		
54	6.1	6.6	10.0#		
68	5.0	5.1	7.7#		





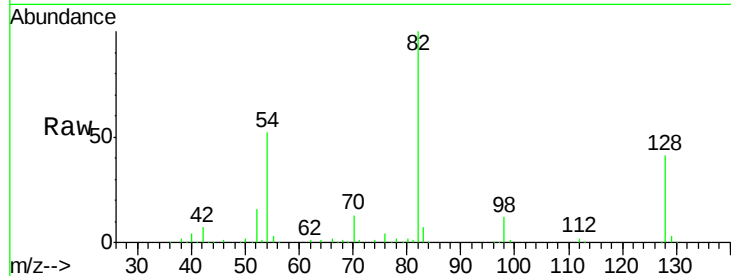
#23
Nitrobenzene-d5
Concen: 24.63 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Instrument :
BNA_F
ClientSampled :
SS-10

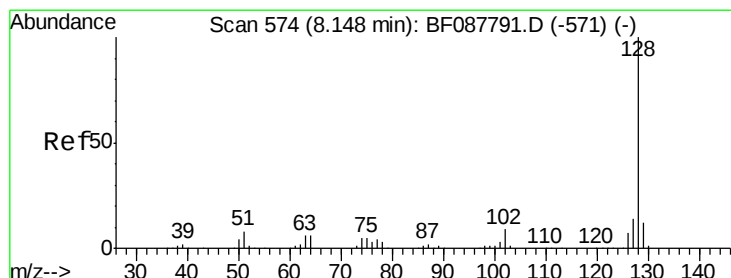
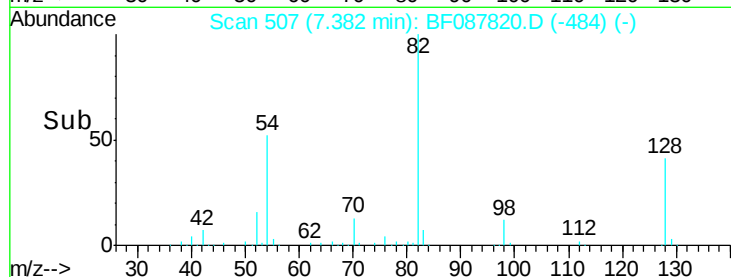
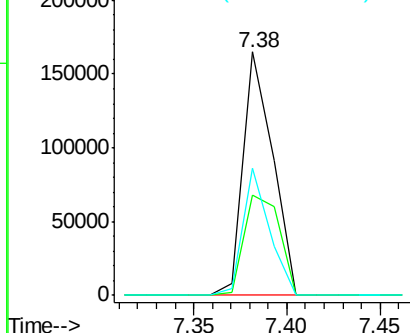
Tot Ion	Ratio	Resp	Lower	Upper
82	100	181563		
128	41.1	35.9	53.9	
54	52.2	40.9	61.3	

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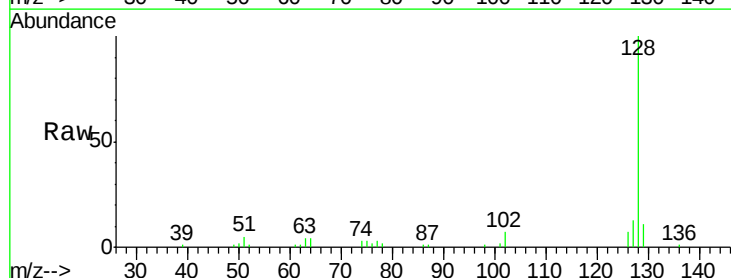


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

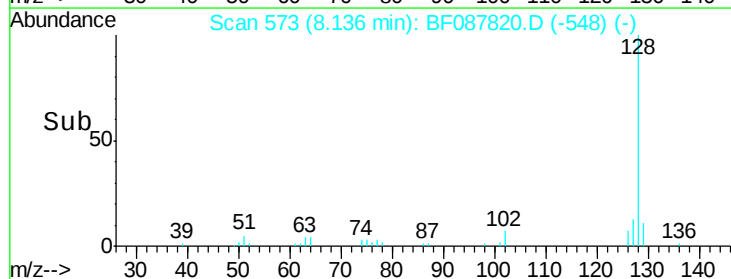
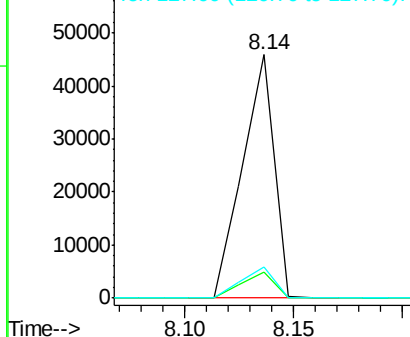


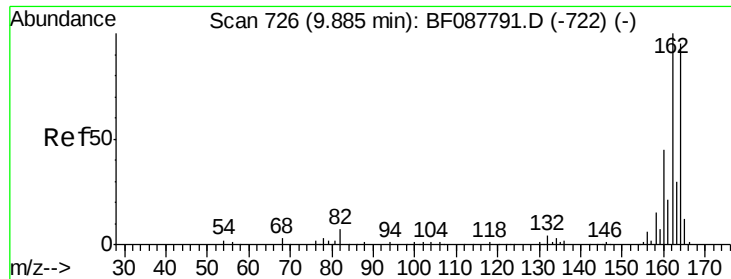
#31
Naphthalene
Concen: 2.17 ng
RT: 8.14 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	46278		
129	10.6	9.4	14.2	
127	13.0	10.9	16.3	



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





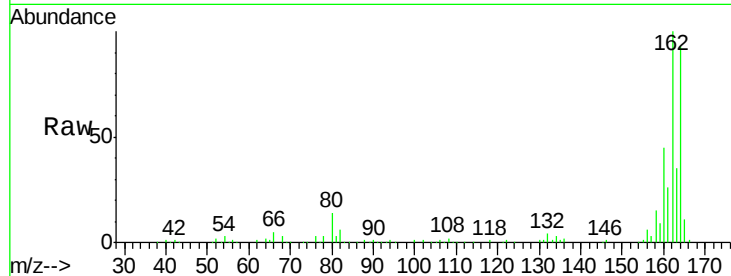
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
SS-10

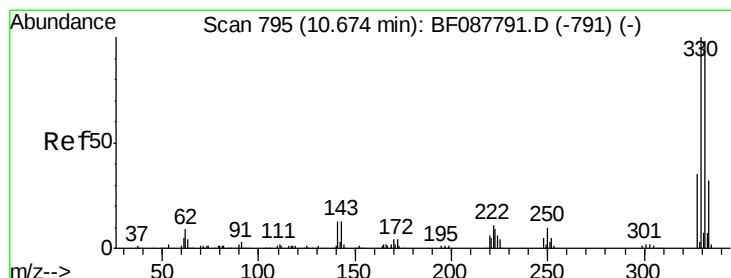
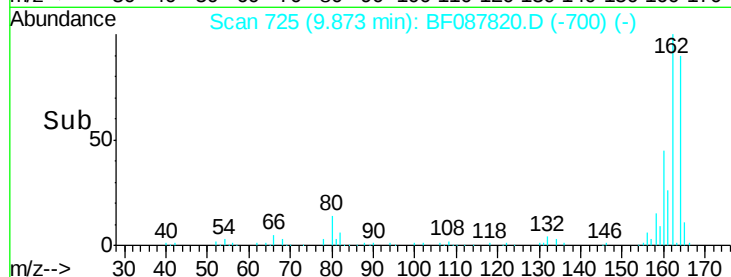
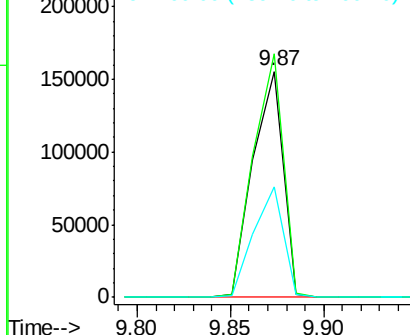
Tot Ion	Ratio	Lower	Upper
164	100		
162	107.7	85.4	128.2
160	48.7	39.5	59.3

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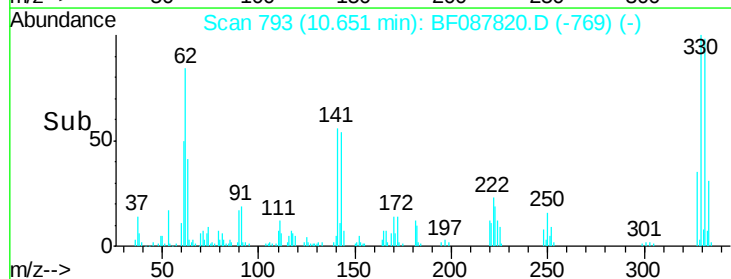
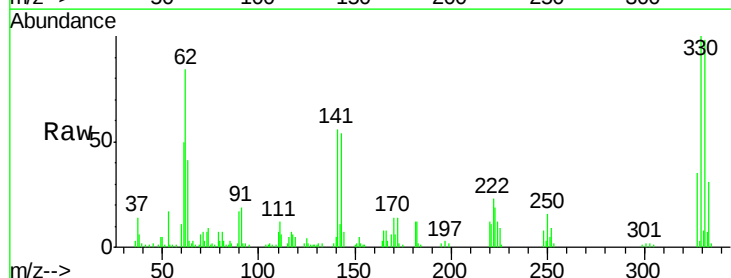
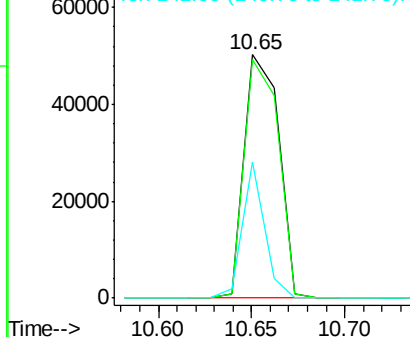
Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

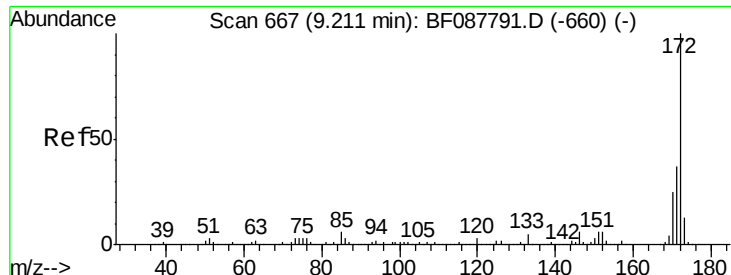


#41
2,4,6-Tribromophenol
Concen: 35.63 ng
RT: 10.65 min Scan# 793
Delta R.T. -0.02 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.4	0.0	0.0#
141	35.9	0.0	0.0#

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





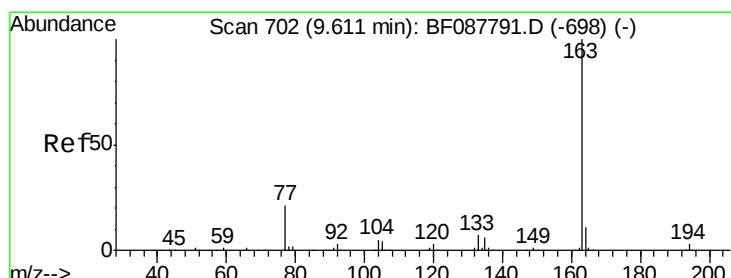
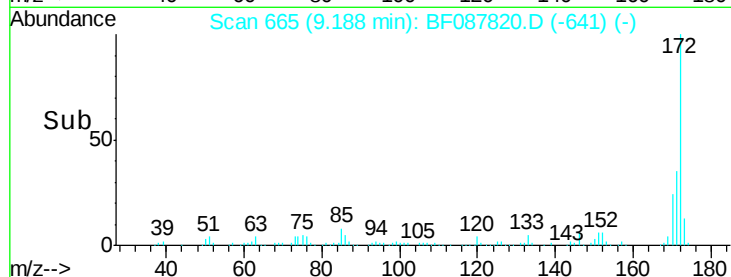
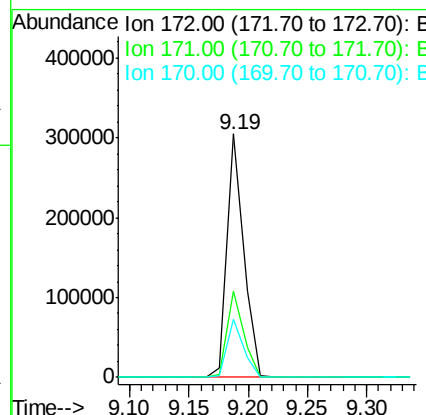
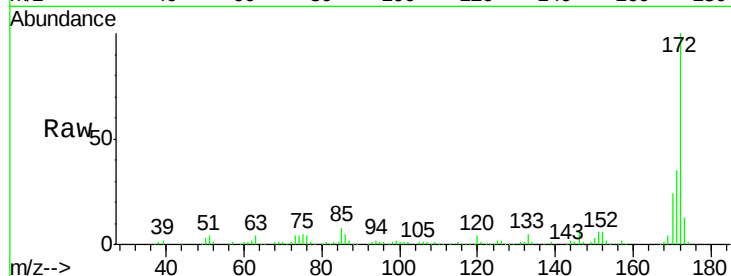
#44
2-Fluorobiphenyl
Concen: 22.37 ng
RT: 9.19 min Scan# 665
Delta R.T. -0.02 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Resp	Lower	Upper
172	100	292807		
171	35.2		28.6	43.0
170	23.6		19.2	28.8

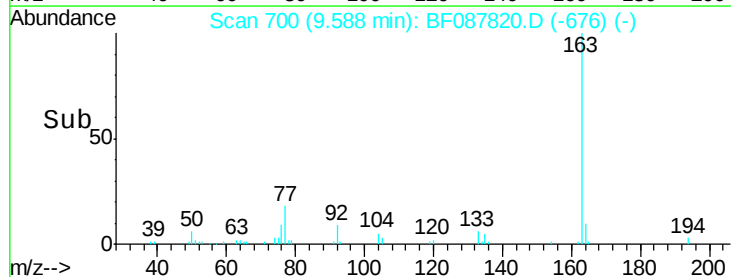
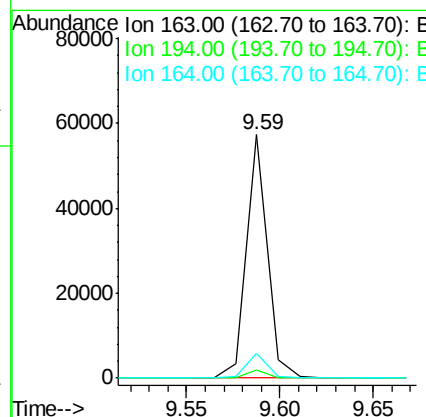
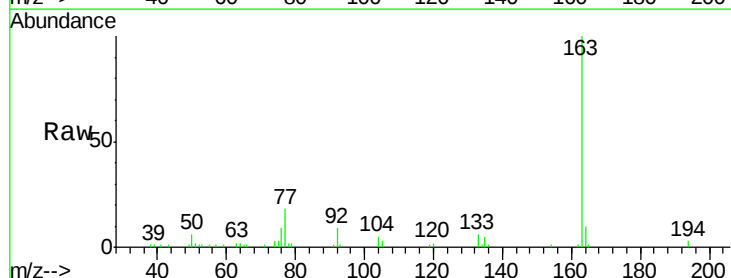
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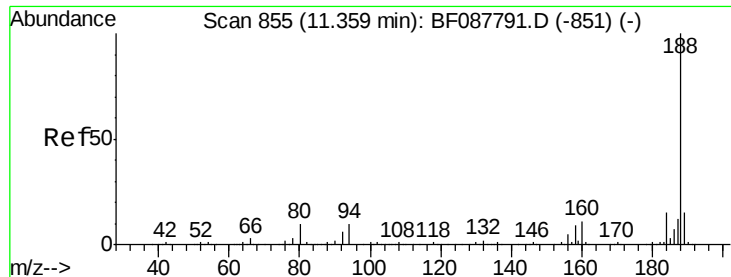
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#49
Dimethylphthalate
Concen: 3.56 ng
RT: 9.59 min Scan# 700
Delta R.T. -0.02 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
163	100	44890		
194	3.2		2.8	4.2
164	10.0		8.3	12.5





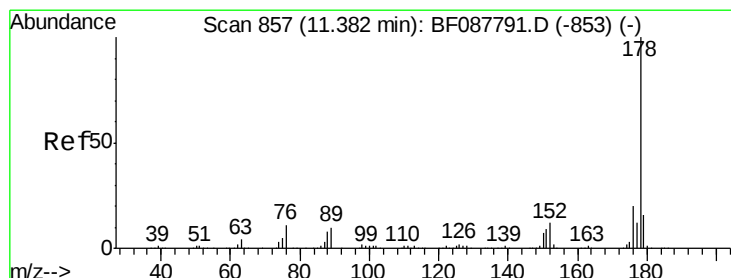
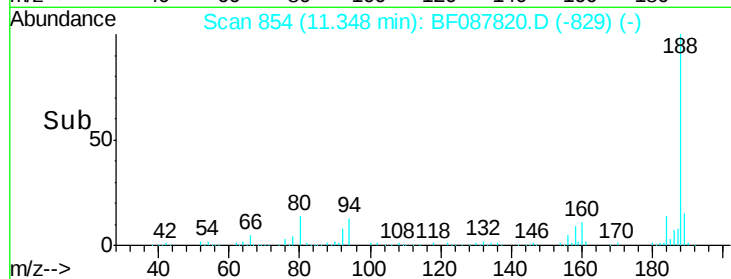
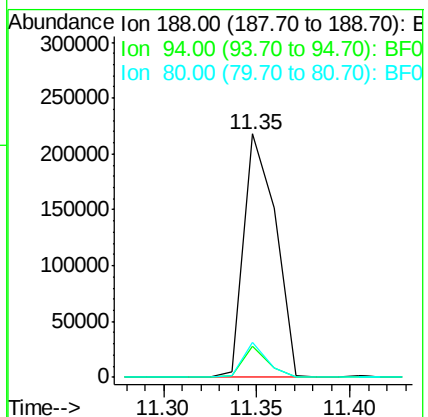
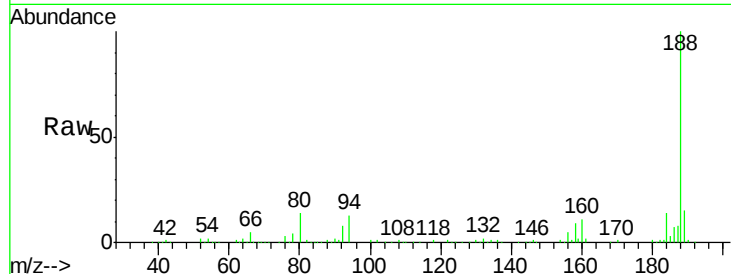
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Resp	Lower	Upper
188	100	258543		
94	13.0		9.0	13.6
80	14.4		10.0	15.0

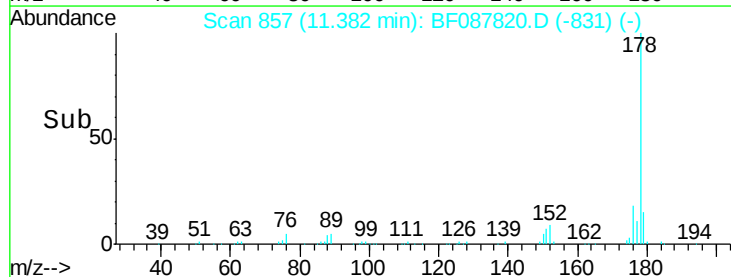
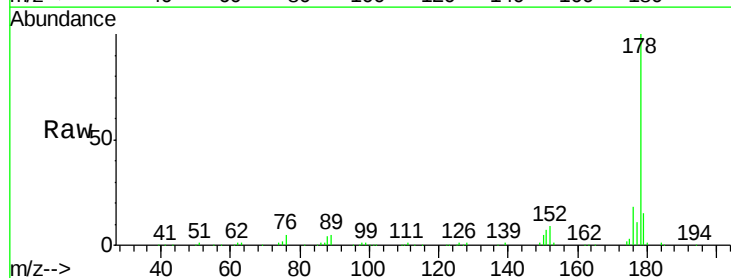
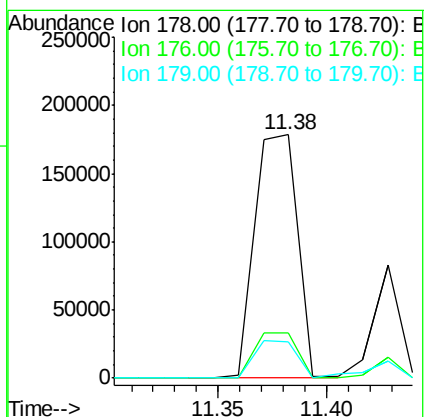
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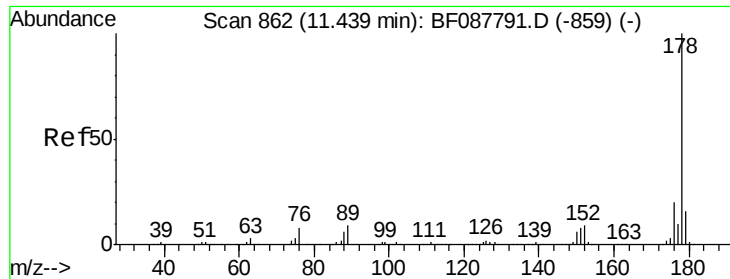
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#70
Phenanthrene
Concen: 18.17 ng
RT: 11.38 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	246495		
176	18.4		15.8	23.6
179	14.7		13.0	19.4





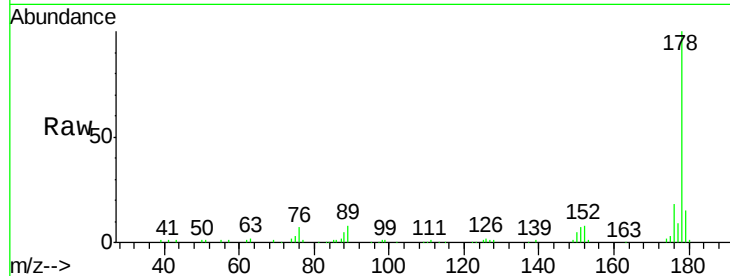
#71
 Anthracene
 Concen: 5.14 ng
 RT: 11.43 min Scan# 861
 Delta R.T. -0.01 min
 Lab File: BF087820.D
 Acq: 8 Jun 2016 20:19

Instrument :
 BNA_F
 ClientSampled :
 SS-10

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.1	12.8	19.2

Manual Integrations
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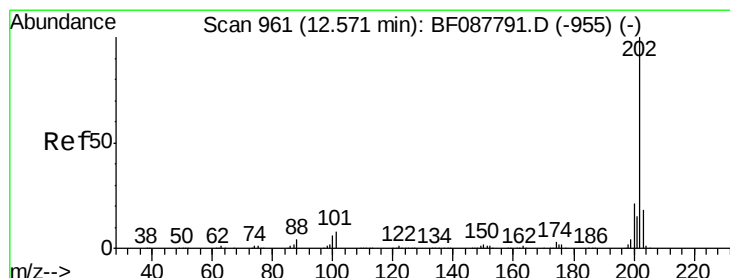
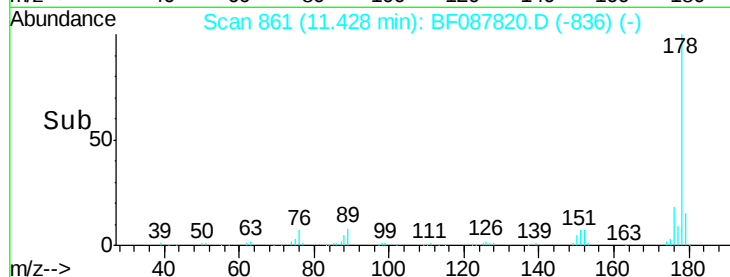
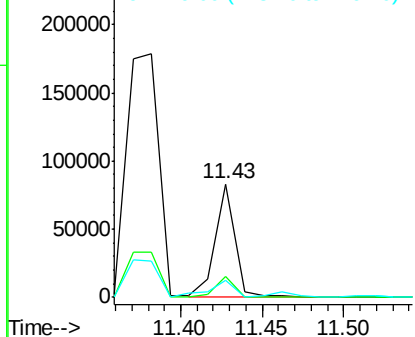


Abundance

Ion 178.00 (177.70 to 178.70): E

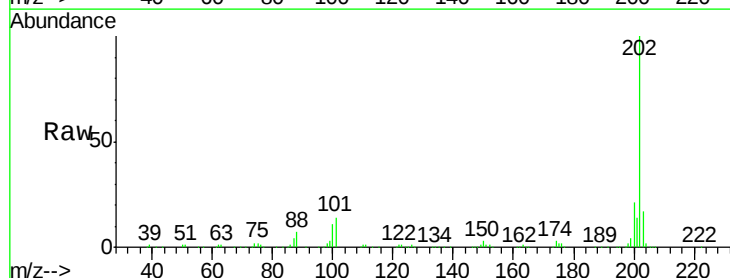
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74
 Fluoranthene
 Concen: 15.02 ng
 RT: 12.56 min Scan# 960
 Delta R.T. -0.01 min
 Lab File: BF087820.D
 Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	33.1
203	17.2	0.0	38.1

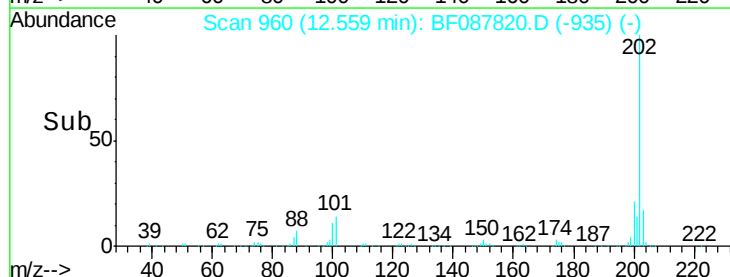
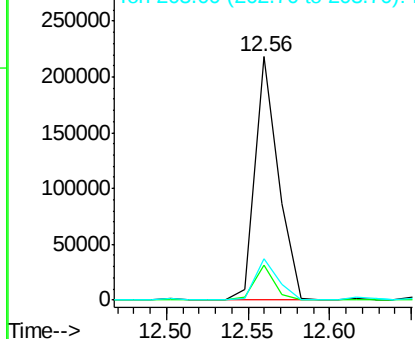


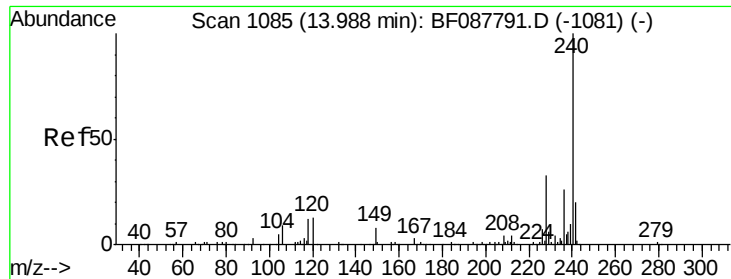
Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 1085

Delta R.T. -0.00 min

Lab File: BF087820.D

Acq: 8 Jun 2016 20:19

Instrument :

BNA_F

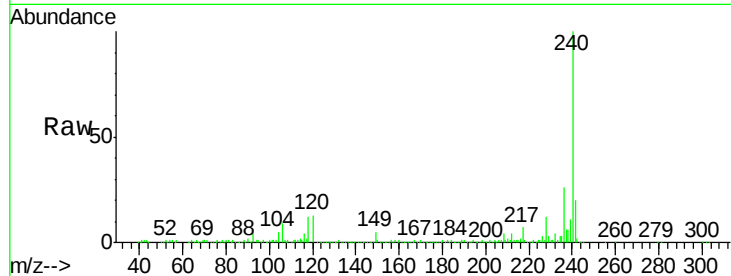
ClientSampled :

SS-10

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.3	6.8	10.2#
236	26.1	20.2	30.2

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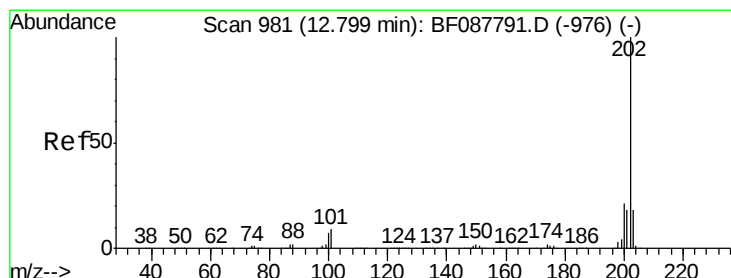
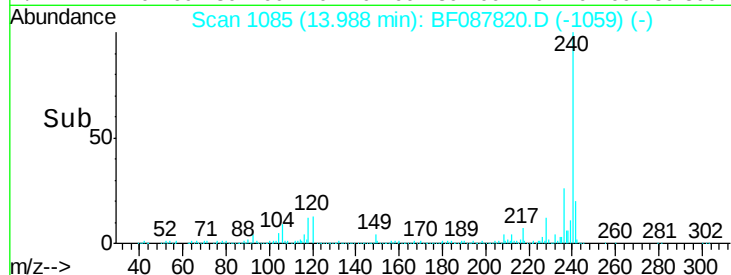
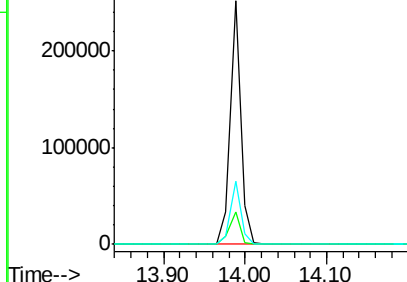
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 11.39 ng

RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087820.D

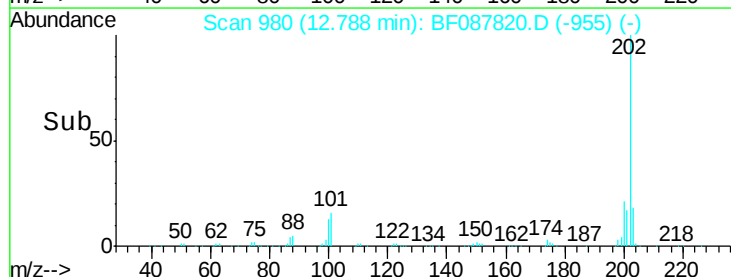
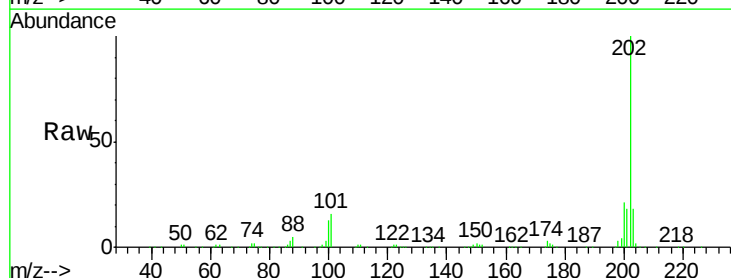
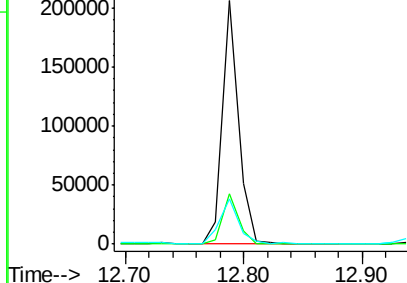
Acq: 8 Jun 2016 20:19

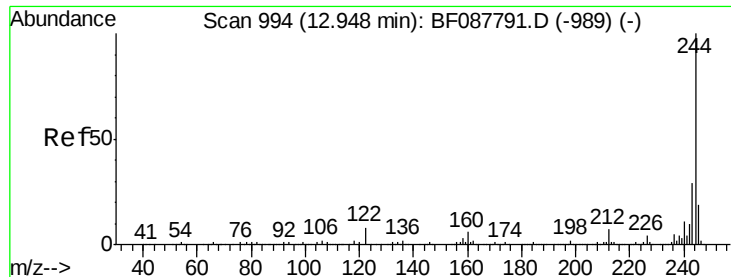
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	18.4	14.5	21.7

Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





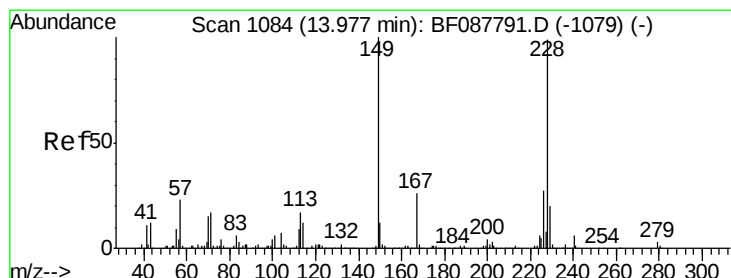
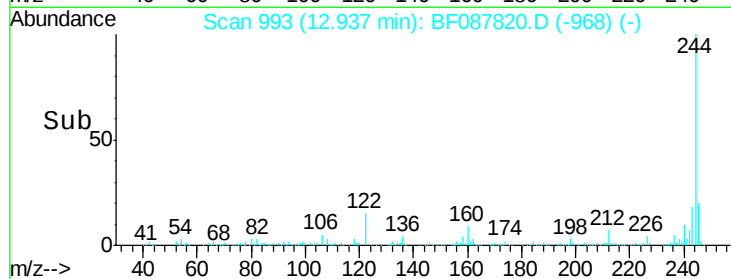
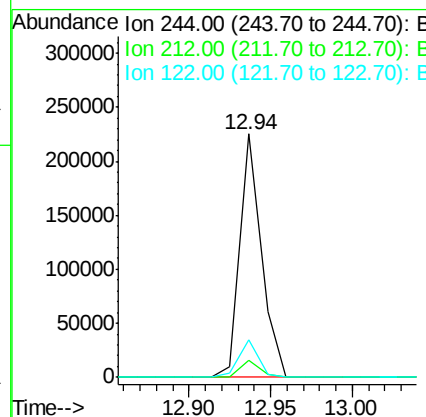
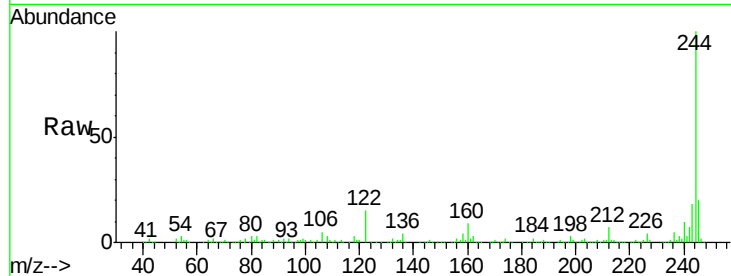
#78
 Terphenyl-d14
 Concen: 20.42 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087820.D
 Acq: 8 Jun 2016 20:19

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	15.2	11.2	16.8

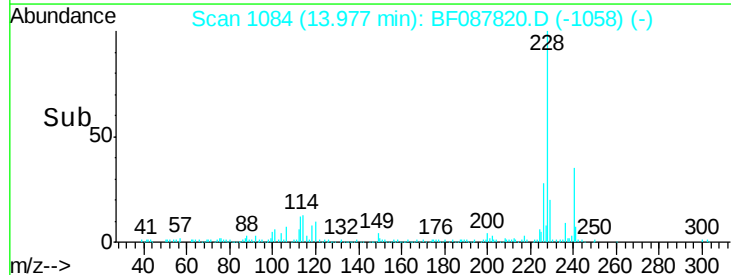
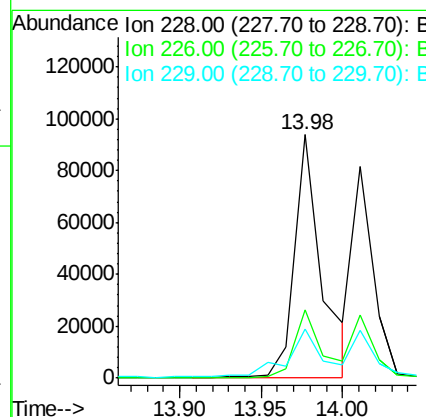
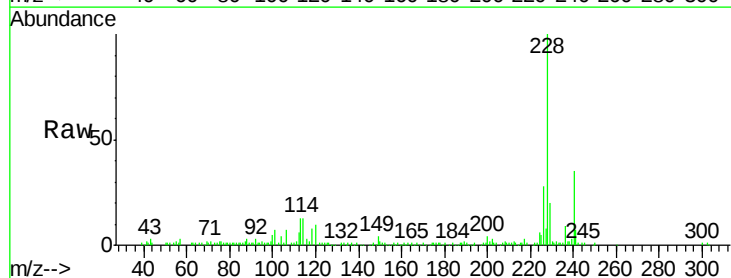
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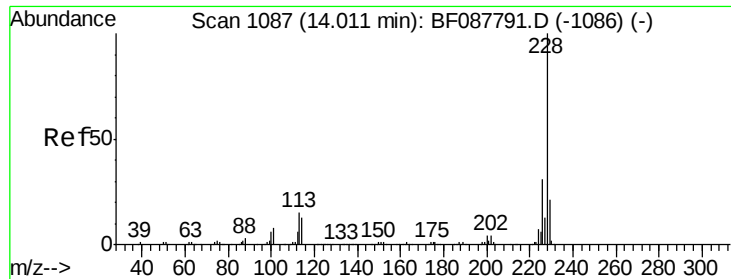
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#80
 Benzo(a)anthracene
 Concen: 8.46 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087820.D
 Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.3	33.5
229	20.3	16.0	24.0





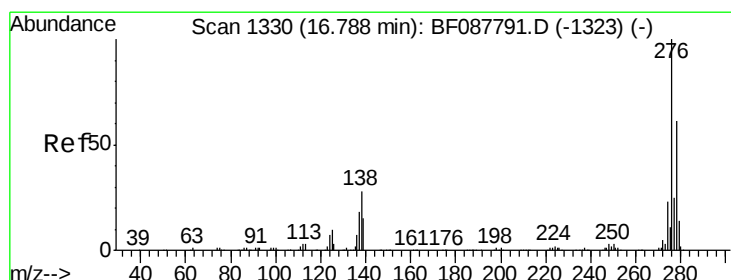
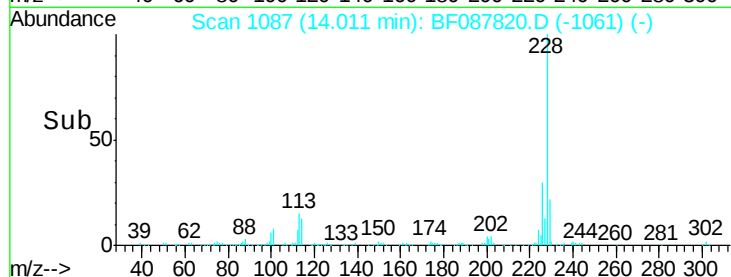
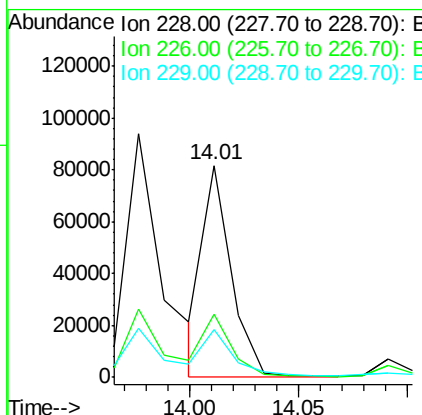
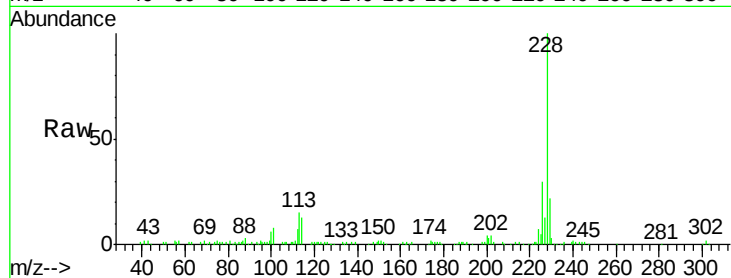
#82
Chrysene
Concen: 6.06 ng
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.2
229	22.5	16.3	24.5

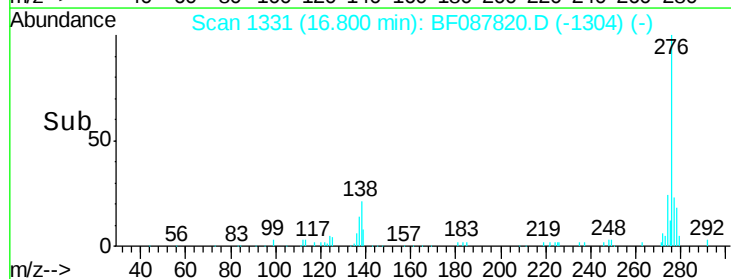
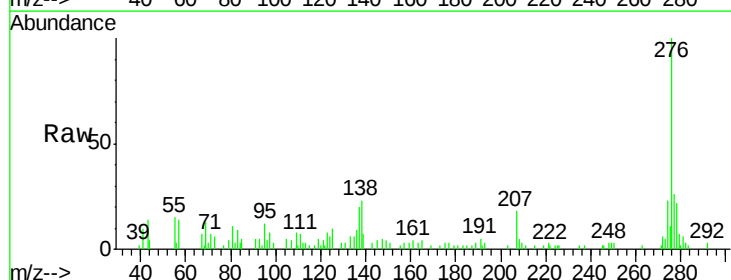
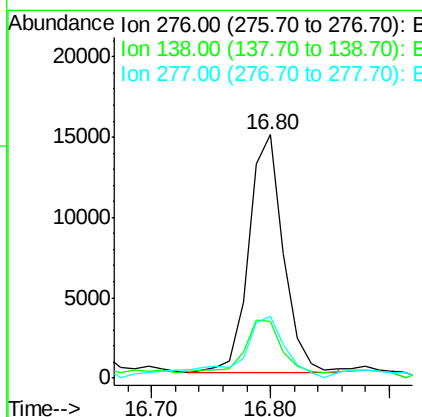
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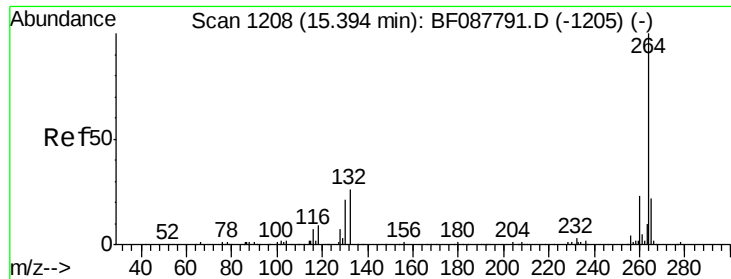
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.65 ng
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.3	0.0	0.0#
277	36.6	0.0	0.0#





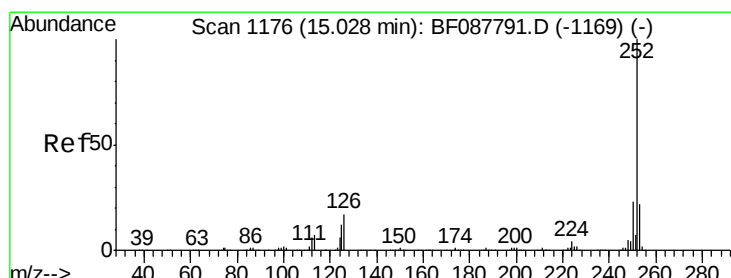
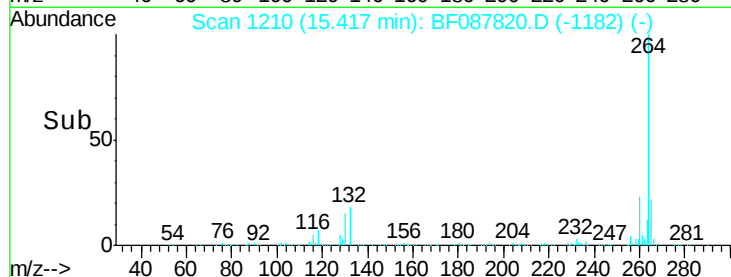
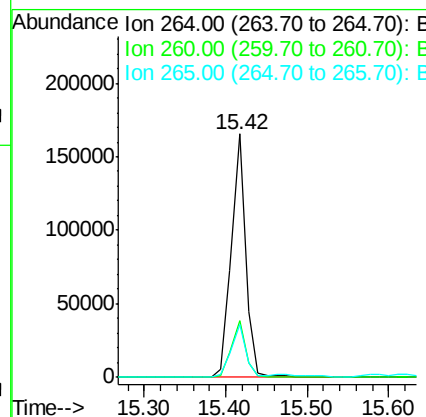
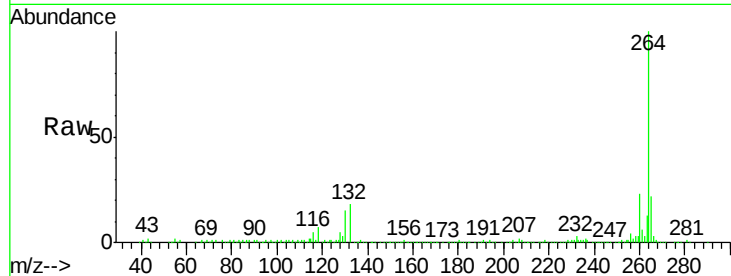
#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.42 min Scan# 1210
Delta R.T. 0.02 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Instrument :
BNA_F
ClientSampleId :
SS-10

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.9	16.9	25.3

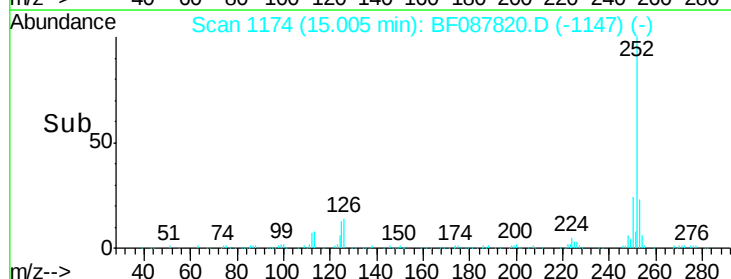
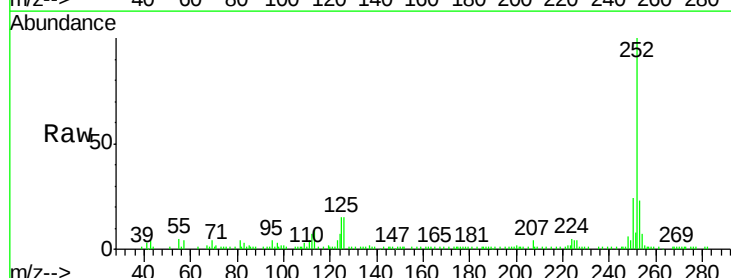
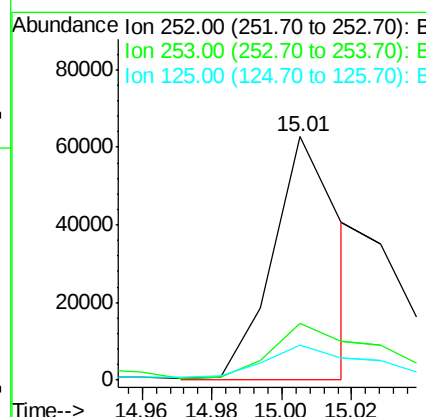
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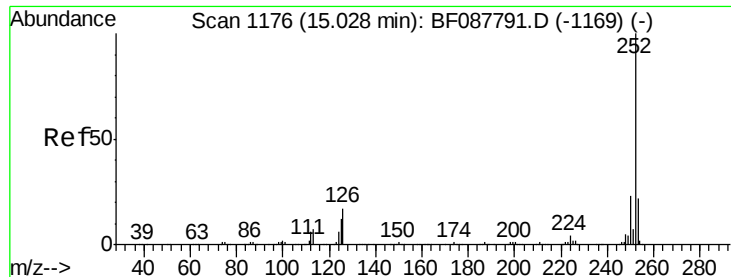
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#87
Benzo(b)fluoranthene
Concen: 5.92 ng m
RT: 15.01 min Scan# 1174
Delta R.T. 0.01 min
Lab File: BF087820.D
Acq: 8 Jun 2016 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.4	26.2
125	14.6	7.1	10.7#





#88

Benzo(k)fluoranthene

Concen: 3.34 ng

RT: 15.02 min Scan# 1175

Delta R.T. -0.01 min

Lab File: BF087820.D

Acq: 8 Jun 2016 20:19

Instrument :

BNA_F

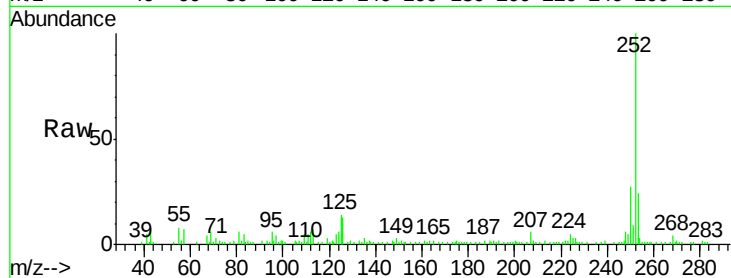
ClientSampleId :

SS-10

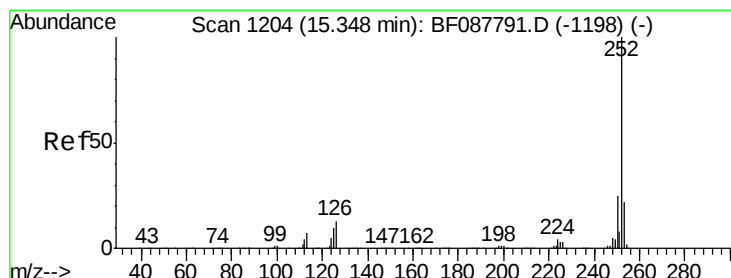
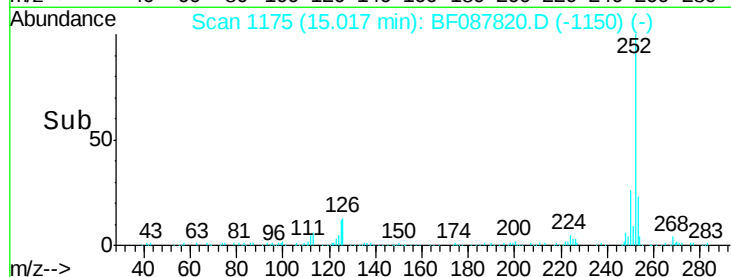
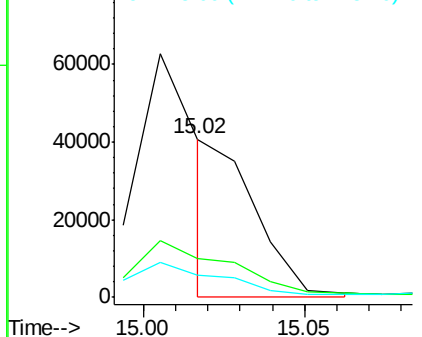
Tot Ion:	252	Resp:	35773
Ion Ratio	Lower	Upper	
252	100		
253	24.4	18.0	27.0
125	14.4	11.2	16.8

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



#89

Benzo(a)pyrene

Concen: 5.36 ng

RT: 15.35 min Scan# 1204

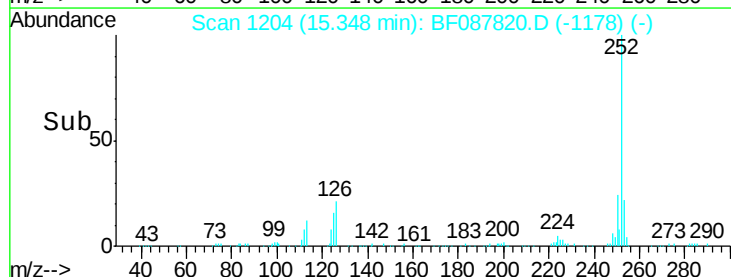
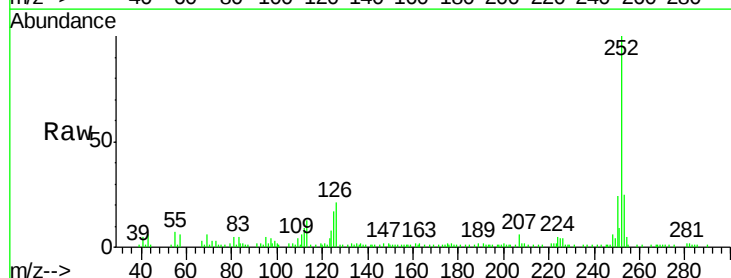
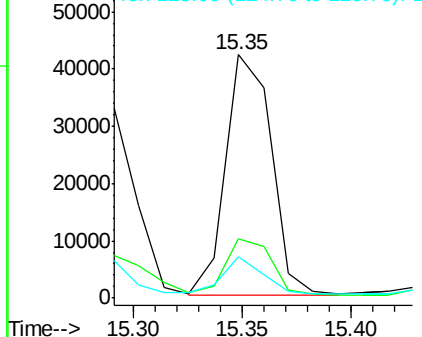
Delta R.T. -0.00 min

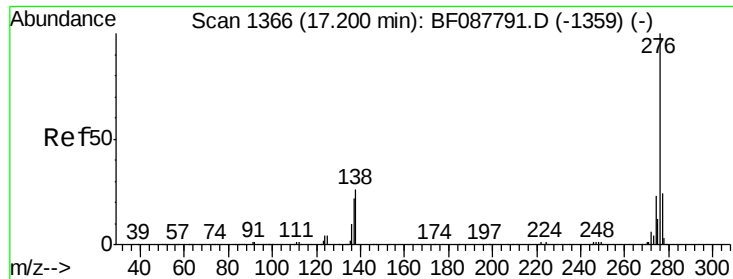
Lab File: BF087820.D

Acq: 8 Jun 2016 20:19

Tgt Ion:	252	Resp:	61617
Ion Ratio	Lower	Upper	
252	100		
253	24.5	17.9	26.9
125	17.0	12.5	18.7

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





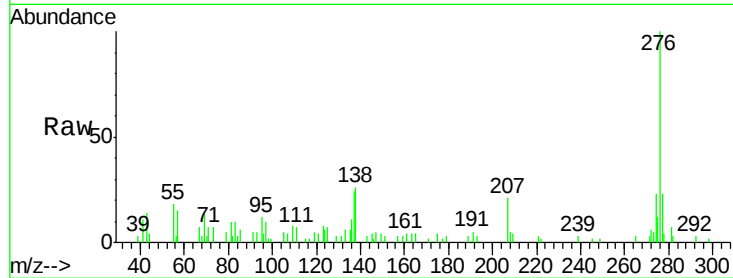
#91
 Benzo(a,h,i)perylene
 Concen: 2.62 ng
 RT: 17.21 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: BF087820.D
 Acq: 8 Jun 2016 20:19

Instrument :
 BNA_F
 ClientSampleId :
 SS-10

Tot Ion:	276	Resp:	28749
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.9	28.3
138	25.8	21.4	32.2

Manual Integrations
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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

