

Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
 Data File : BF087818.D
 Acq On : 8 Jun 2016 19:20
 Operator : UM/SJ
 Sample : H3378-09 2X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-19

Manual Integrations
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Quant Time: Jun 09 03:53:00 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	123264	20.00	ng	-0.02
21) Naphthalene-d8	8.11	136	534670	20.00	ng	-0.01
38) Acenaphthene-d10	9.87	164	232272	20.00	ng	-0.01
63) Phenanthrene-d10	11.35	188	350629	20.00	ng	-0.01
75) Chrysene-d12	13.99	240	282950	20.00	ng	0.00
86) Perylene-d12	15.42	264	251020	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	379095	52.58	ng	-0.01
7) Phenol-d6	6.46	99	472107	54.03	ng	-0.02
23) Nitrobenzene-d5	7.38	82	273826	29.91	ng	-0.03
41) 2,4,6-Tribromophenol	10.66	330	102775	41.91	ng	-0.01
44) 2-Fluorobiphenyl	9.19	172	494540	29.85	ng	-0.02
78) Terphenyl-d14	12.94	244	295161	23.74	ng	-0.01
Target Compounds						Qvalue
49) Dimethylphthalate	9.59	163	177795	10.57	ng	100
70) Phenanthrene	11.37	178	80488	4.37	ng	100
74) Fluoranthene	12.56	202	171411	8.83	ng	98
77) Pyrene	12.79	202	159499	7.60	ng	99
80) Benzo(a)anthracene	13.98	228	93304	5.79	ng	99
82) Chrysene	14.01	228	65299m	4.30	ng	
85) Indeno(1,2,3-cd)pyrene	16.80	276	32954	2.34	ng	# 100
87) Benzo(b)fluoranthene	15.01	252	83780m	4.79	ng	
88) Benzo(k)fluoranthene	15.02	252	36352m	2.75	ng	
89) Benzo(a)pyrene	15.36	252	61025	4.31	ng	# 95
91) Benzo(g,h,i)perylene	17.21	276	31146	2.30	ng	98

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

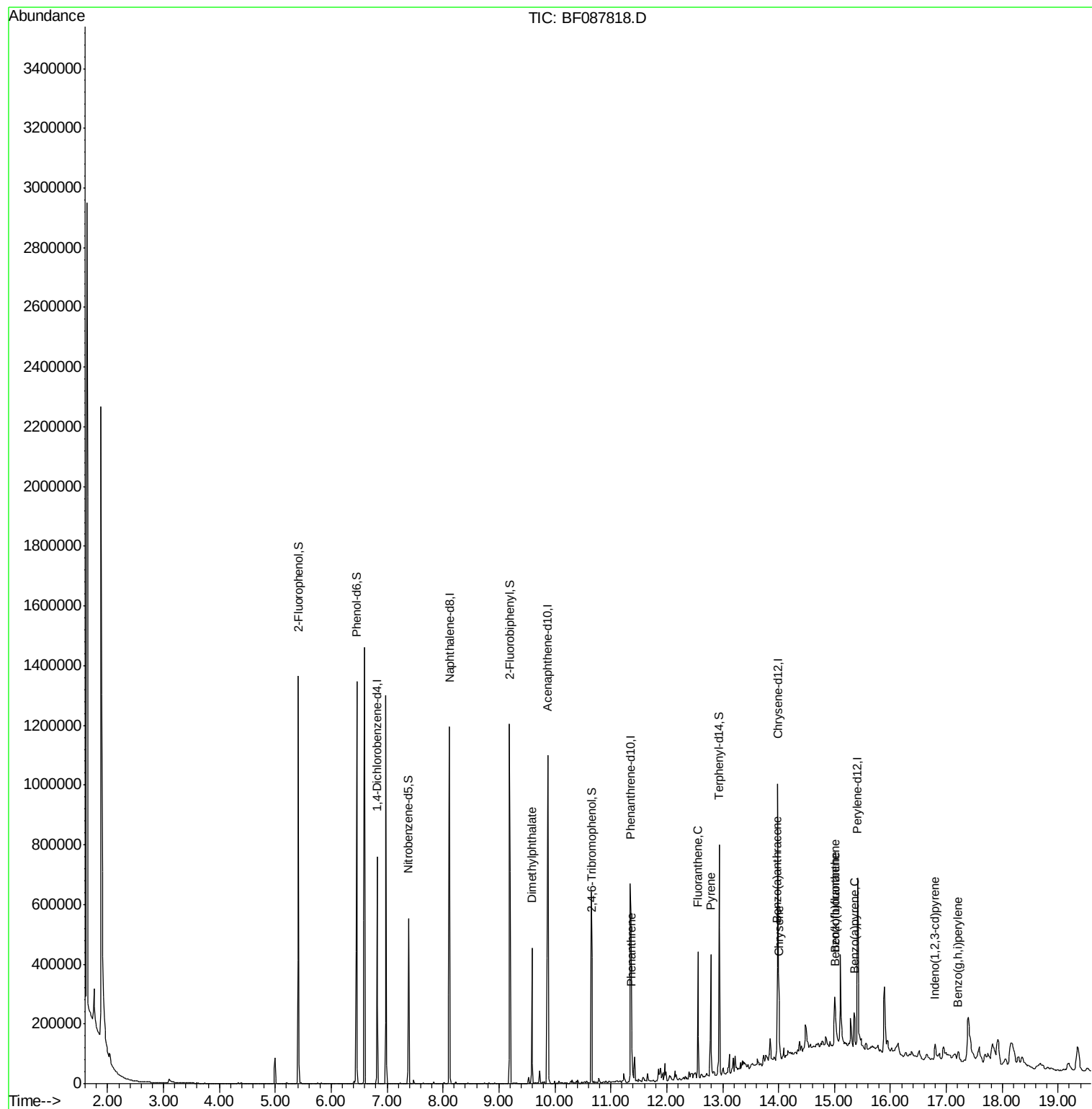
Data Path : Z:\HPCHEM1\BNA F\DATA\BF060816\
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Sample : H3378-09 2X
Misc :
ALS Vial : 13 Sample Multiplier: 1

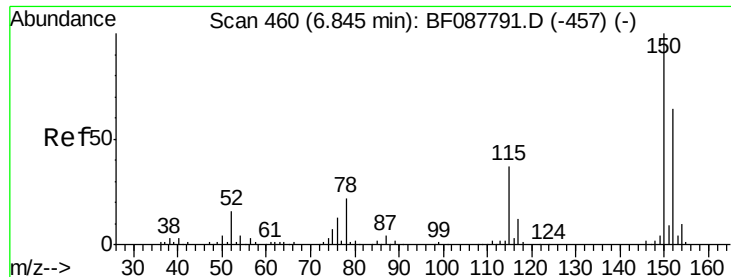
Instrument :
BNA_F
ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

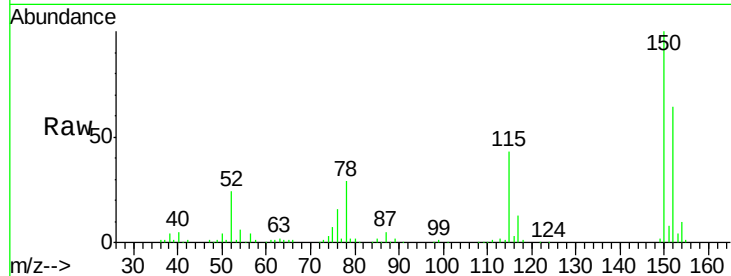
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.82 min Scan# 458
Delta R.T. -0.02 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Instrument :
BNA_F
ClientSampled :
SS-19

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	123.8	185.6
115	67.9	39.6	59.4

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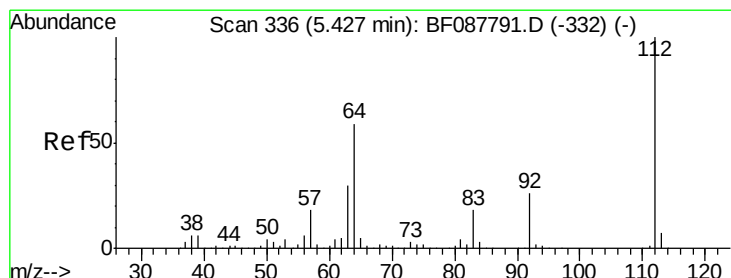
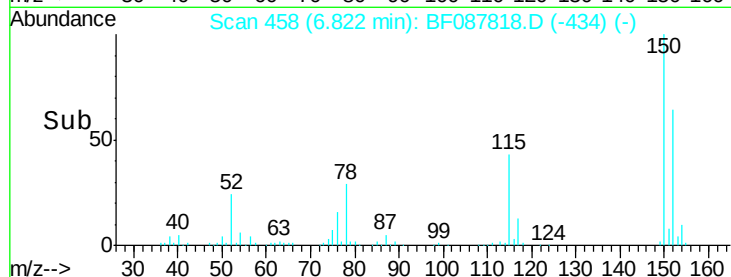
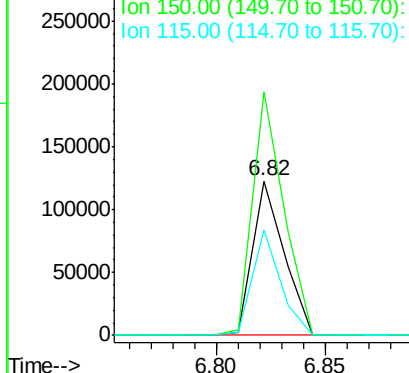


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

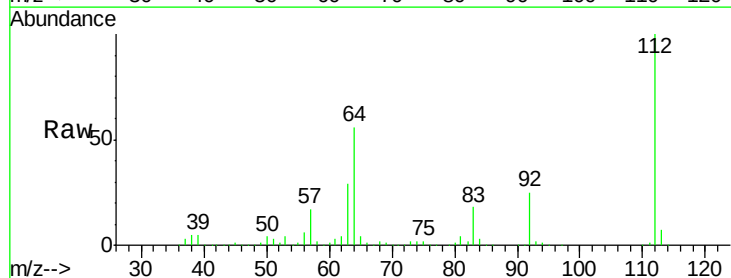
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 52.58 ng
RT: 5.42 min Scan# 335
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.0	42.2	63.2
63	28.9	21.8	32.8

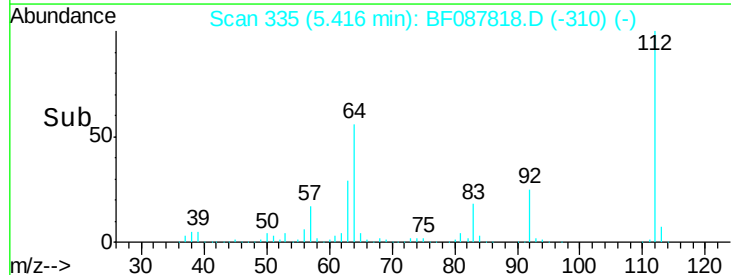
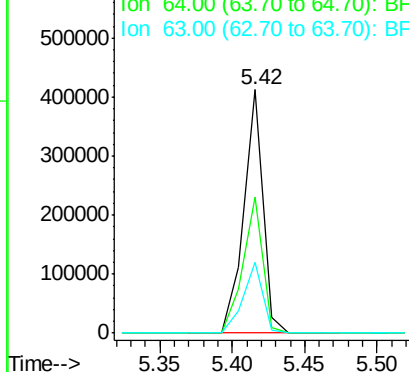


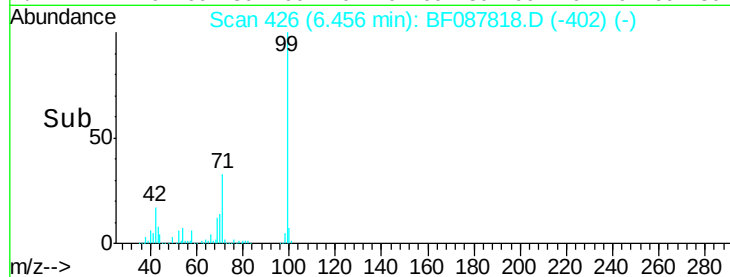
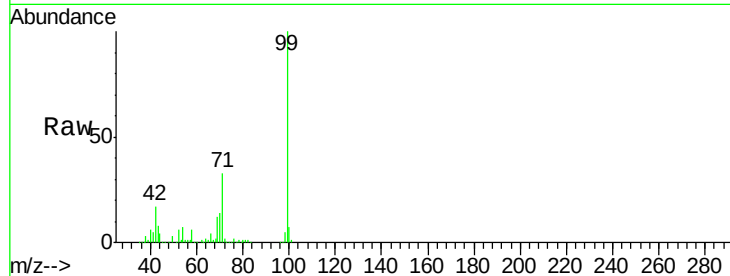
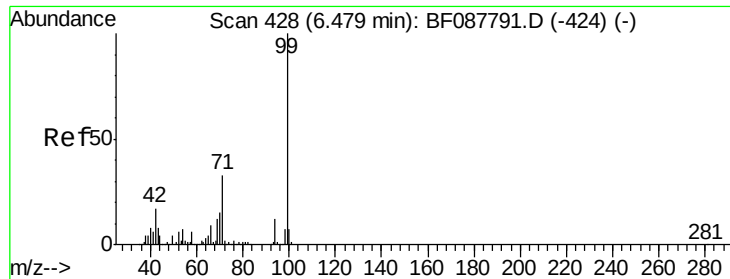
Abundance

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: 54.03 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		472107		
42	16.7	12.2	18.2		
71	32.8	23.4	35.0		

Instrument :

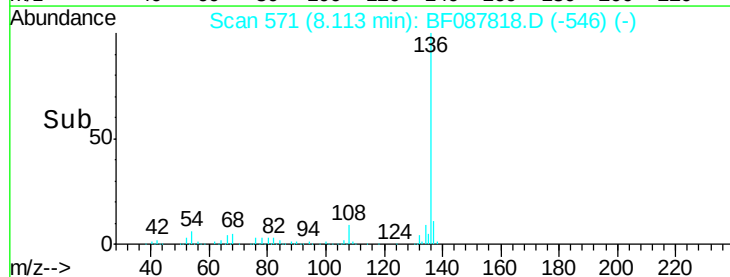
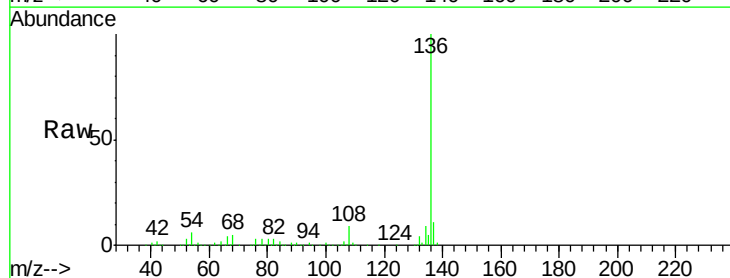
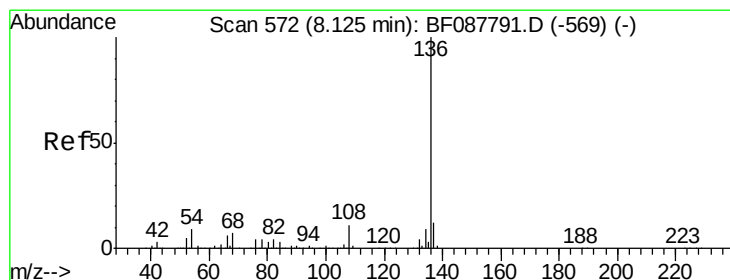
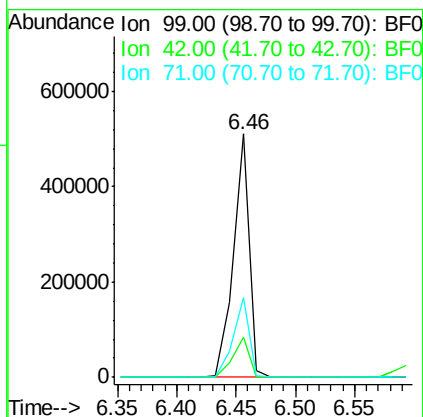
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#21

Naphthalene-d8

Concen: 20.00 ng

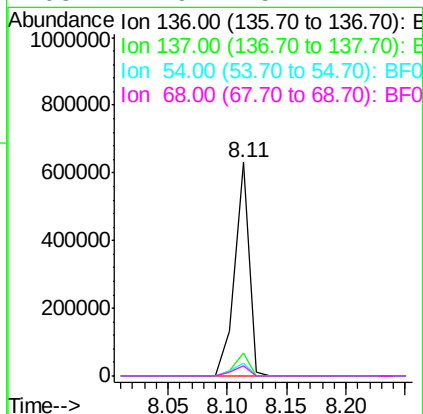
RT: 8.11 min Scan# 571

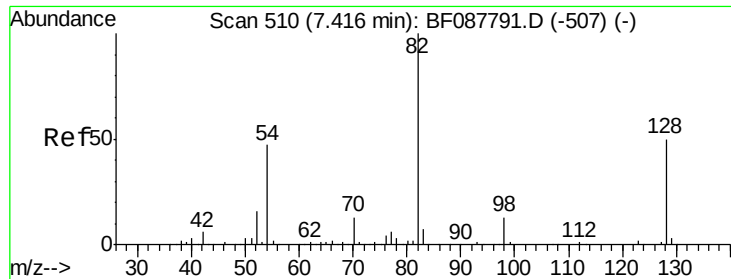
Delta R.T. -0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		534670		
137	10.9	9.1	13.7		
54	6.1	6.6	10.0#		
68	4.9	5.1	7.7#		





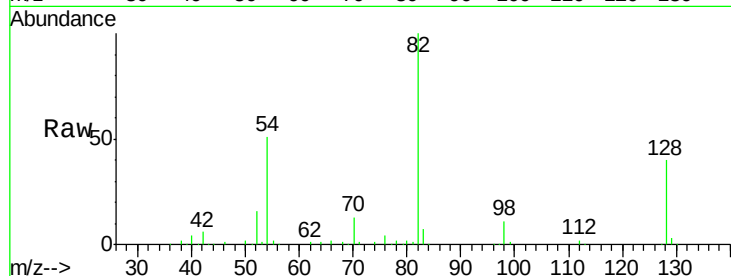
#23
Nitrobenzene-d5
Concen: 29.91 ng
RT: 7.38 min Scan# 507
Delta R.T. -0.03 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Instrument :
BNA_F
ClientSampled :
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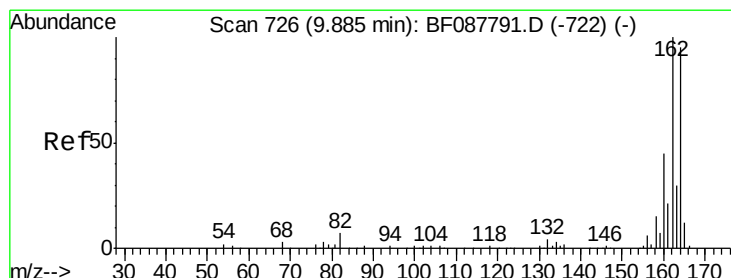
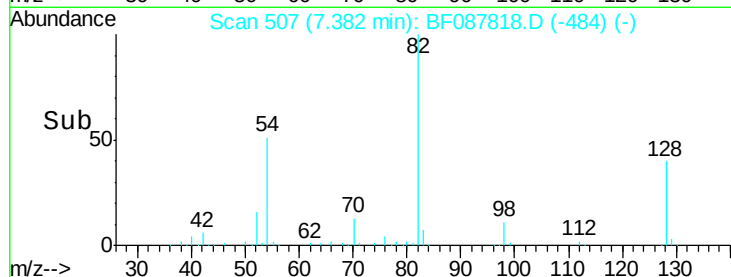
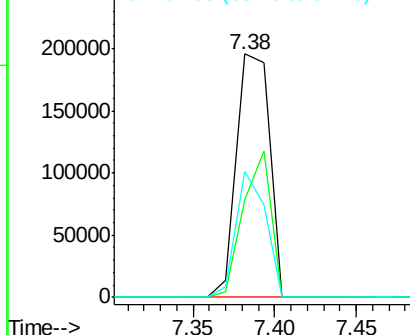
Tot Ion	Ratio	Lower	Upper
82	100		
128	40.2	35.9	53.9
54	51.5	40.9	61.3

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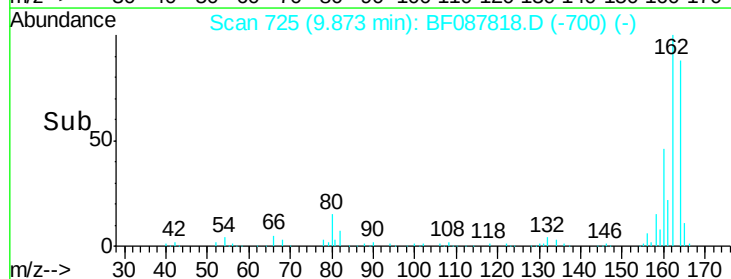
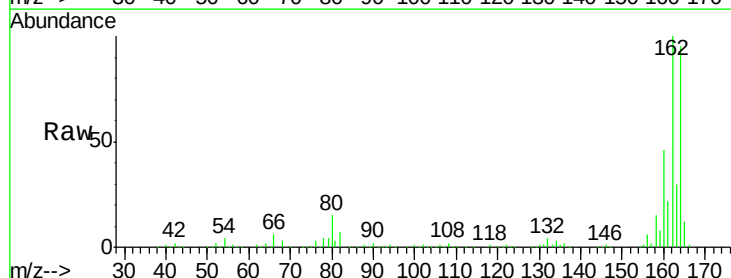
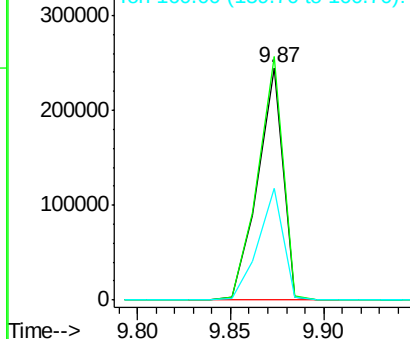
Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

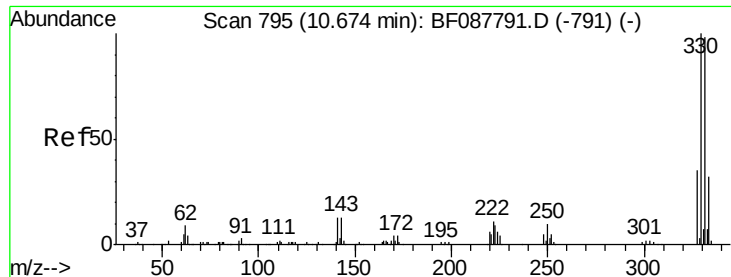


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.8	85.4	128.2
160	48.3	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





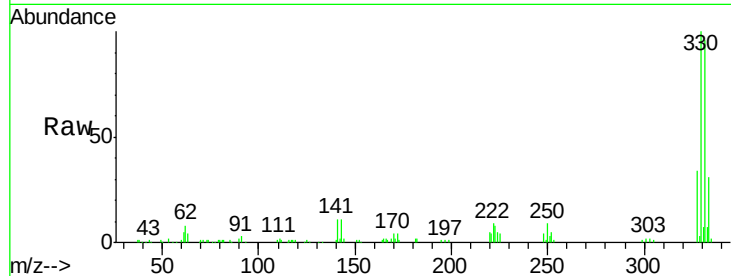
#41
 2,4,6-Tribromophenol
 Concen: 41.91 ng
 RT: 10.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
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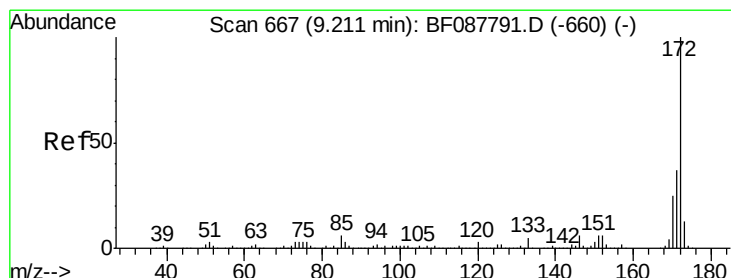
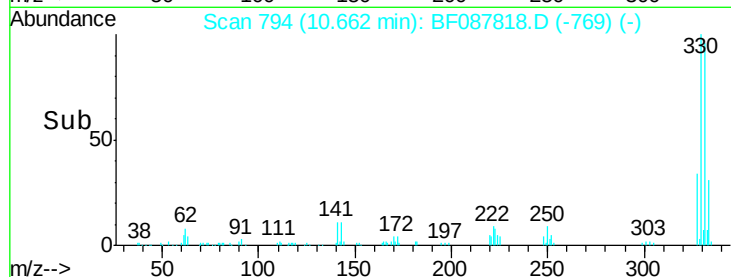
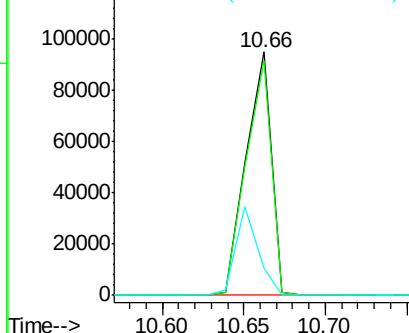
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.3	0.0	0.0	0.0
141	31.8	0.0	0.0	0.0

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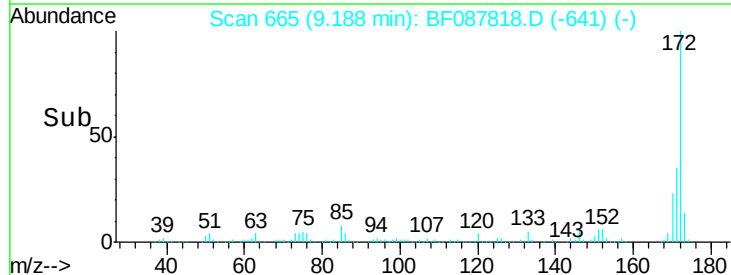
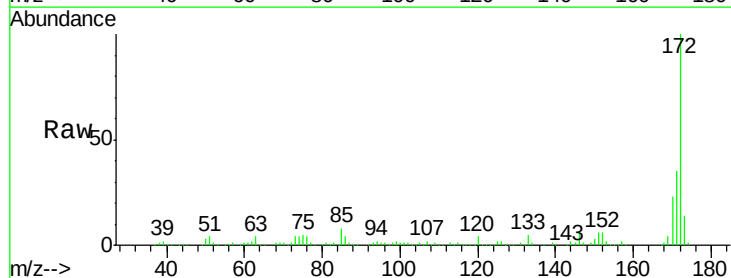
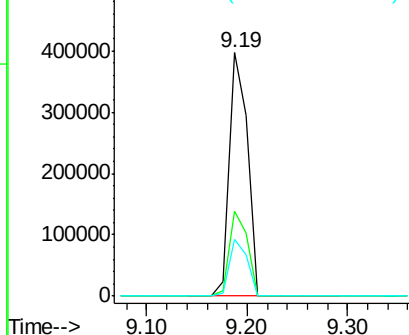
Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

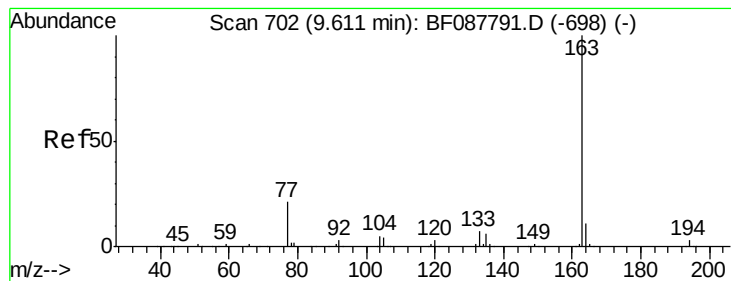


#44
 2-Fluorobiphenyl
 Concen: 29.85 ng
 RT: 9.19 min Scan# 665
 Delta R.T. -0.02 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.0	28.6	43.0	
170	23.3	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: 10.57 ng

RT: 9.59 min Scan# 700

Delta R.T. -0.02 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

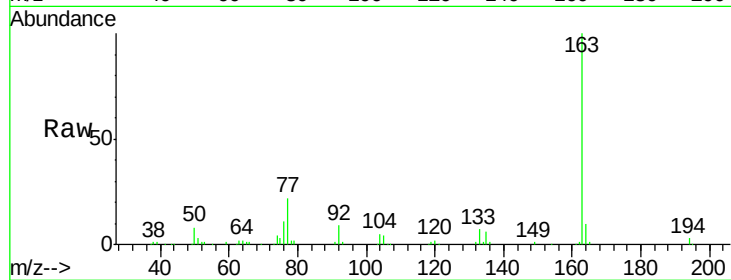
ClientSampled :

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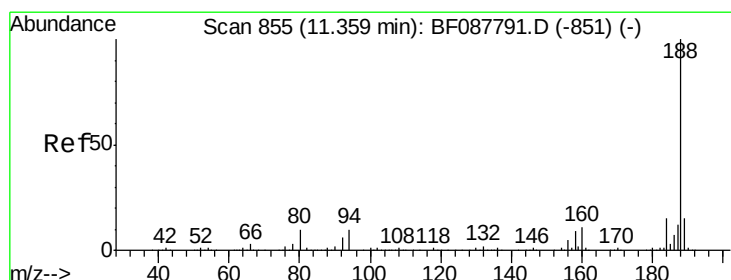
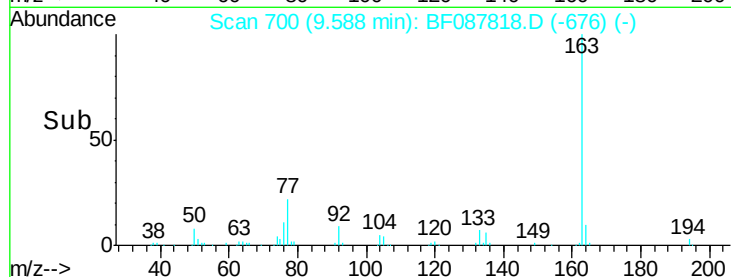
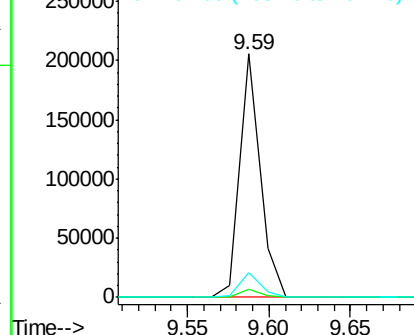
Tot Ion:	163	Resp:	177795
Ion Ratio	Lower	Upper	
163	100		
194	3.1	2.8	4.2
164	10.3	8.3	12.5

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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

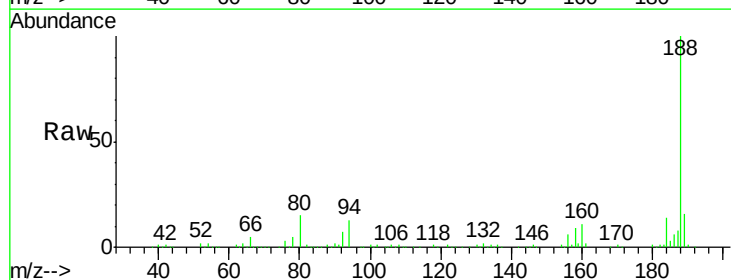
RT: 11.35 min Scan# 854

Delta R.T. -0.01 min

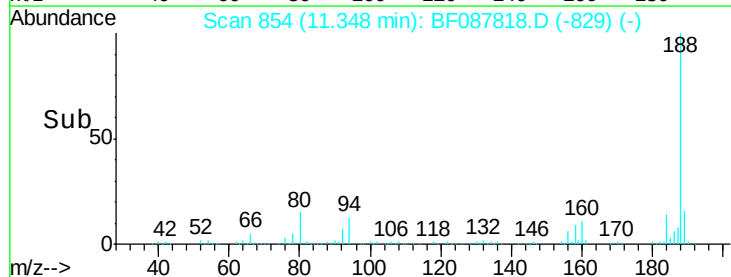
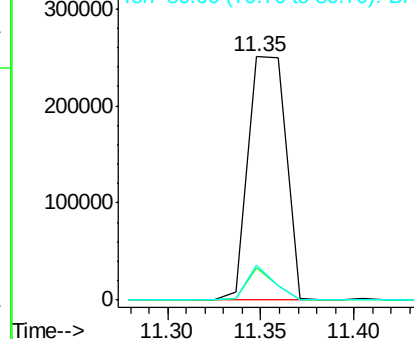
Lab File: BF087818.D

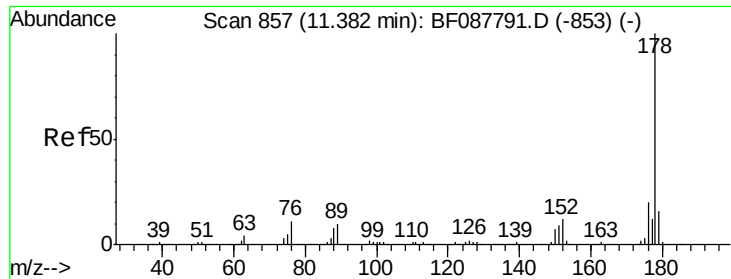
Acq: 8 Jun 2016 19:20

Tgt Ion:	188	Resp:	350629
Ion Ratio	Lower	Upper	
188	100		
94	13.3	9.0	13.6
80	14.5	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





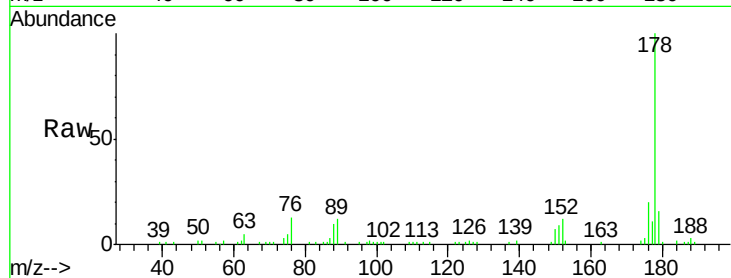
#70
Phenanthrene
Concen: 4.37 ng
RT: 11.37 min Scan# 856
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	16.1	13.0	19.4

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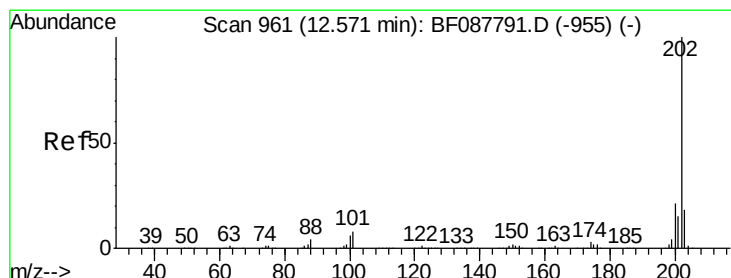
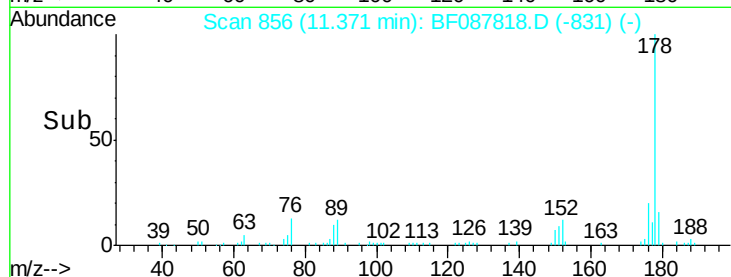
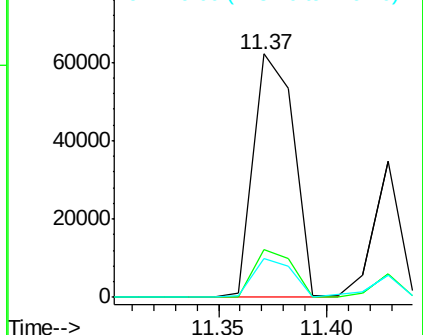


Abundance

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: 8.83 ng
RT: 12.56 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

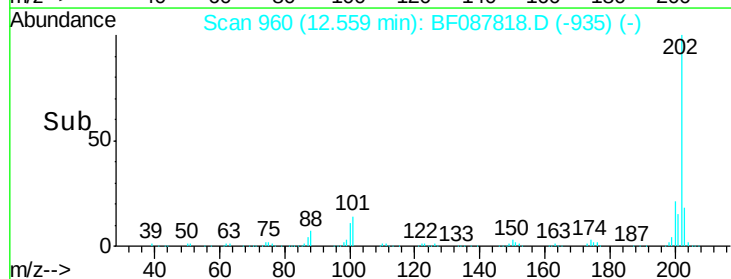
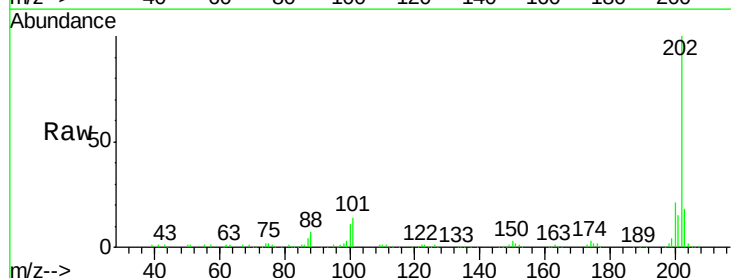
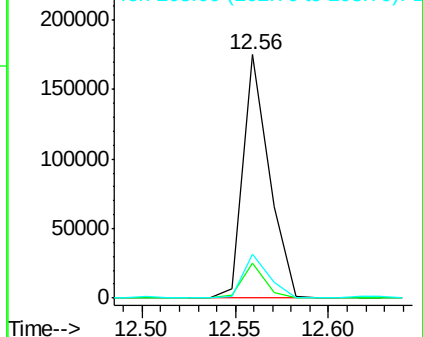
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	33.1
203	17.8	0.0	38.1

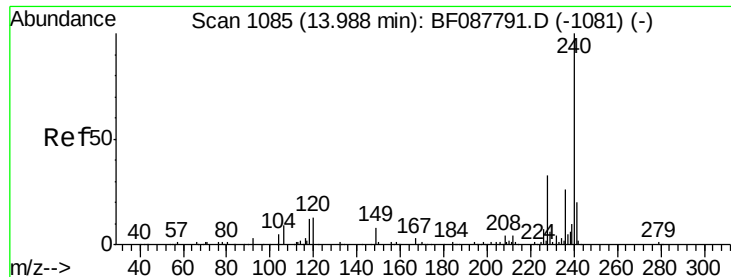
Abundance

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: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

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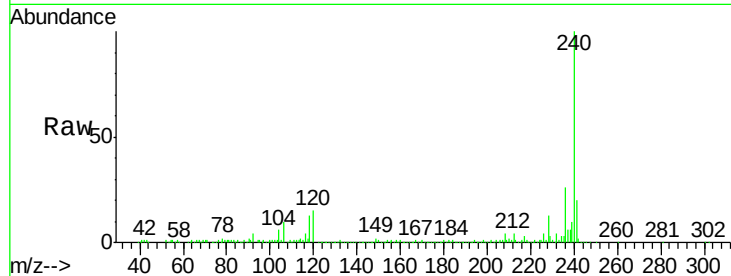
ClientSampleId :

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Tot Ion	Ratio	Resp	Lower	Upper
240	100	282950		
120	14.9	6.8	10.2	
236	26.1	20.2	30.2	

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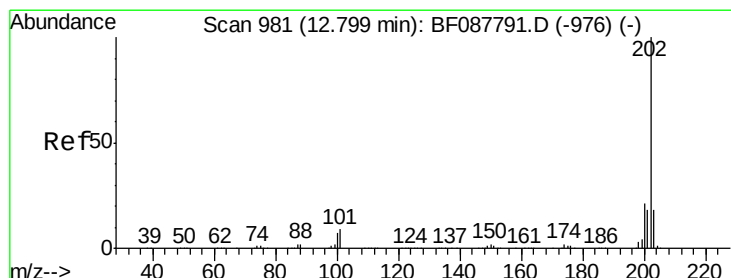
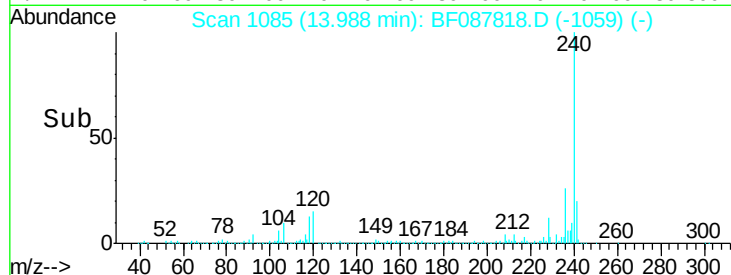
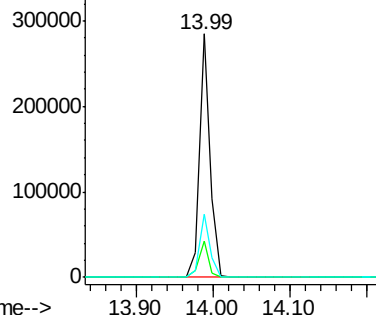
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 7.60 ng

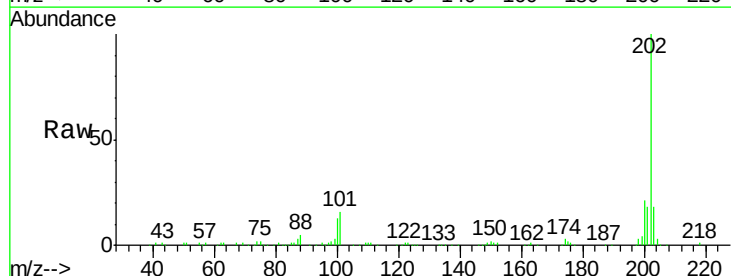
RT: 12.79 min Scan# 980

Delta R.T. -0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

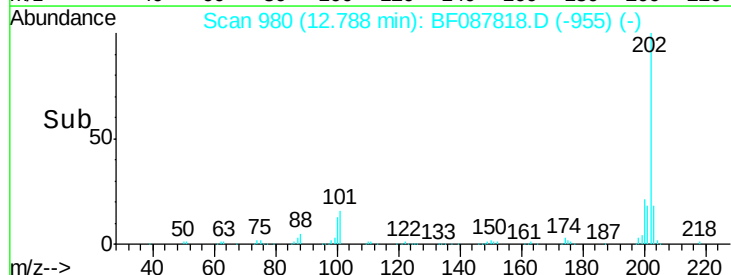
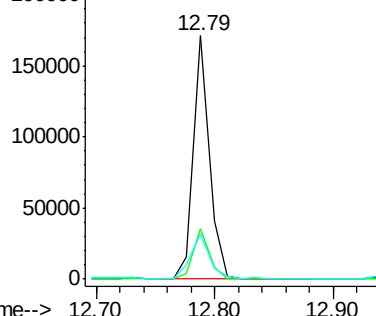
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	159499		
200	20.9	17.4	26.2	
203	18.5	14.5	21.7	

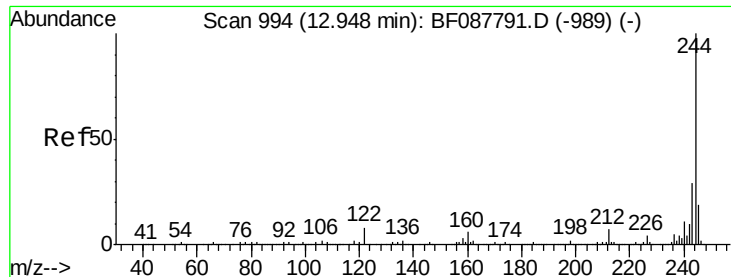


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





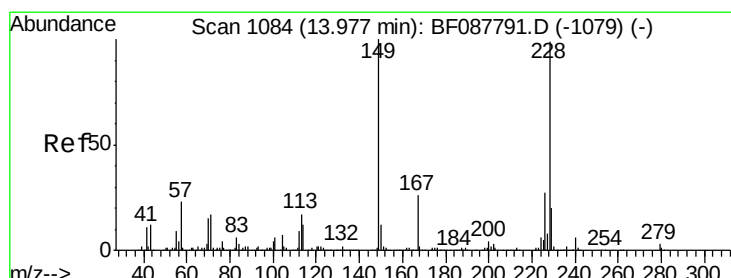
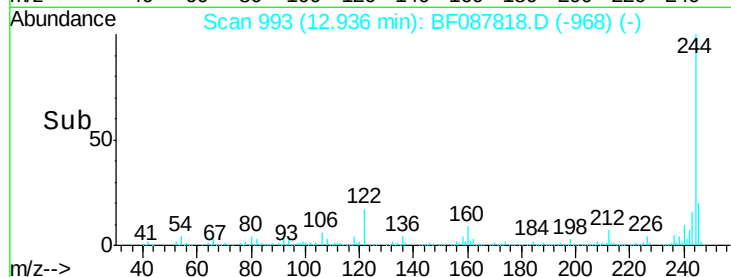
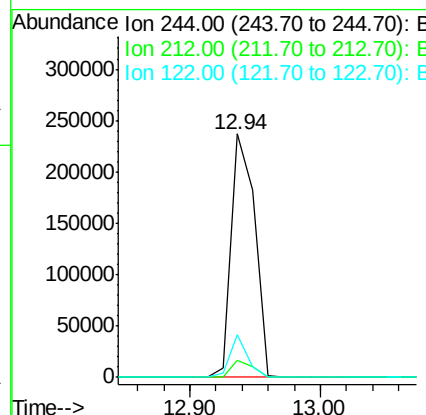
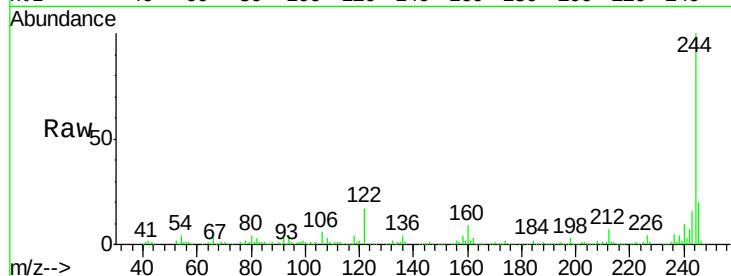
#78
 Terphenyl-d14
 Concen: 23.74 ng
 RT: 12.94 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-19

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	17.3	11.2	16.8

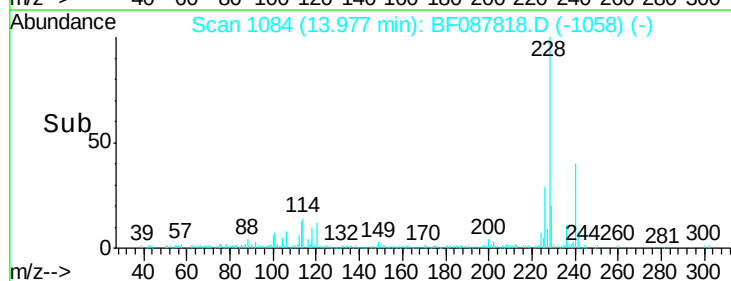
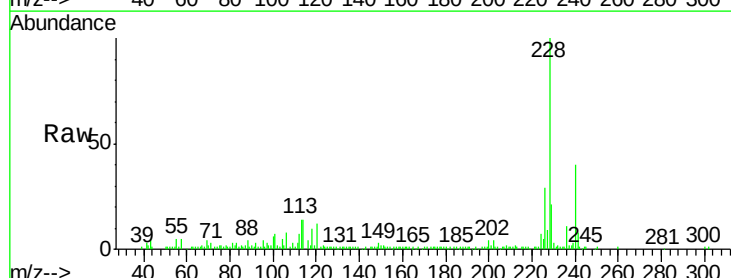
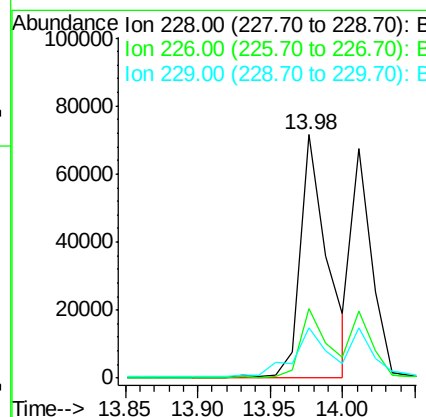
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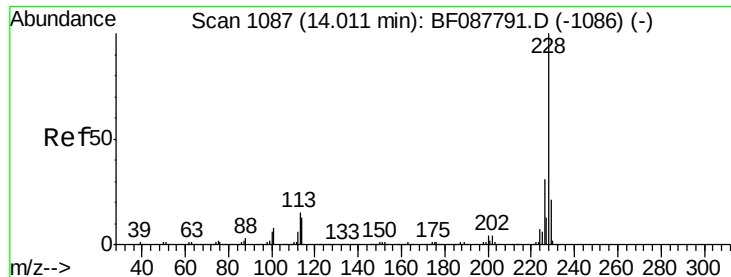
sohil
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#80
 Benzo(a)anthracene
 Concen: 5.79 ng
 RT: 13.98 min Scan# 1084
 Delta R.T. -0.00 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.3	33.5
229	20.6	16.0	24.0





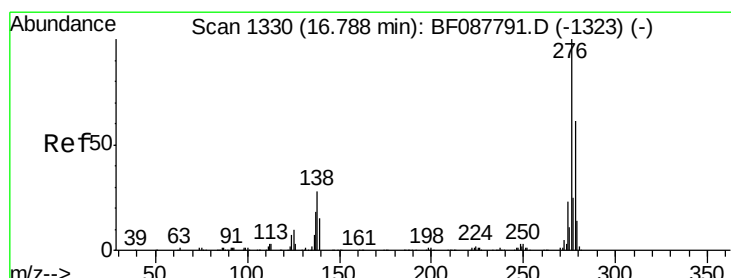
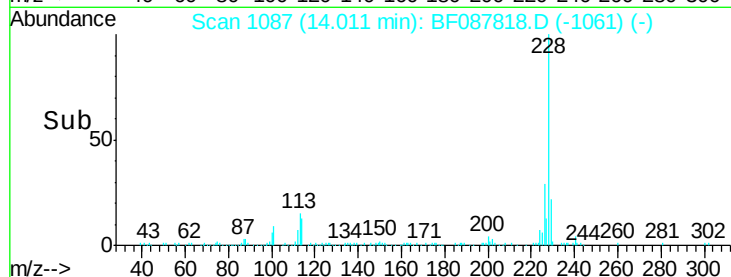
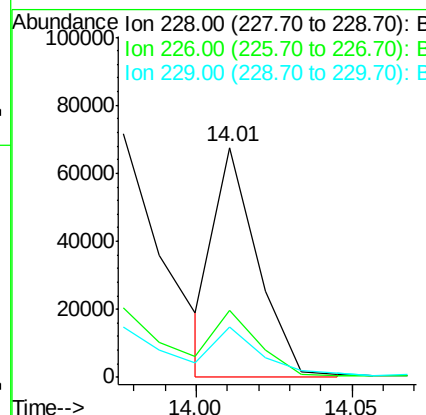
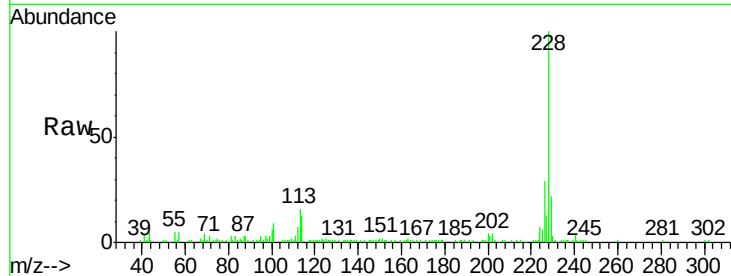
#82
Chrysene
Concen: 4.30 ng/ml
RT: 14.01 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Instrument :
BNA_F
ClientSampled :
SS-19

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	25.4	38.2
229	22.1	16.3	24.5

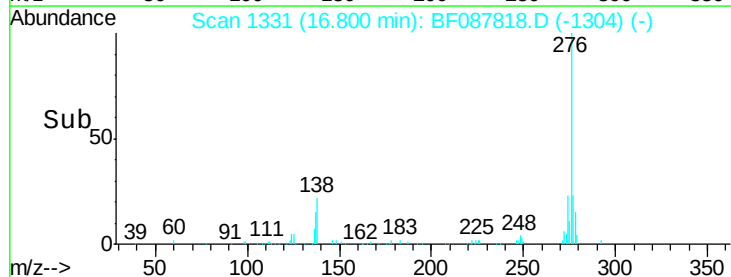
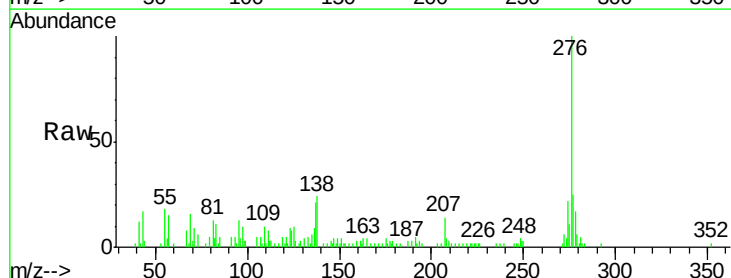
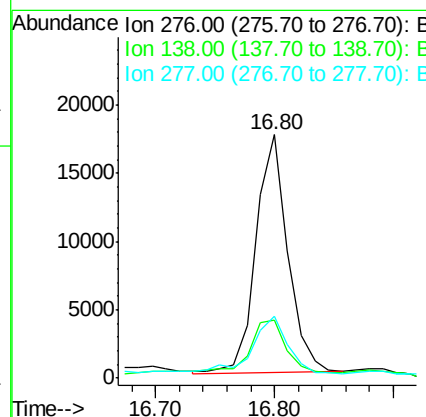
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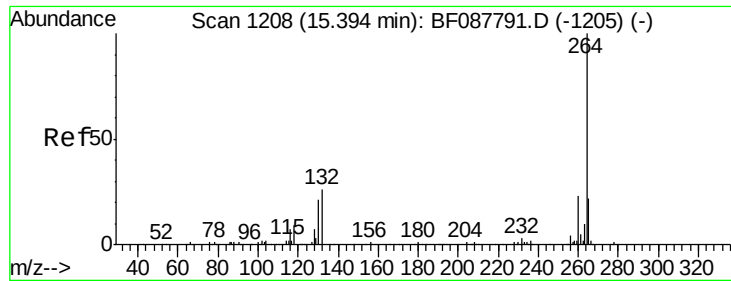
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.34 ng/ml
RT: 16.80 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.3	0.0	0.0#
277	31.3	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: BF087818.D

Acq: 8 Jun 2016 19:20

Instrument :

BNA_F

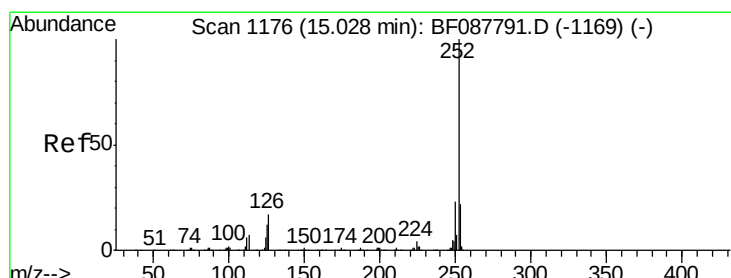
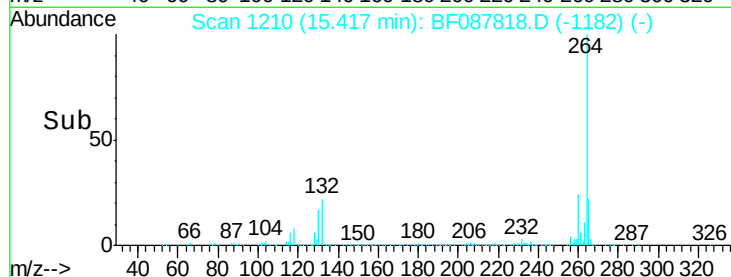
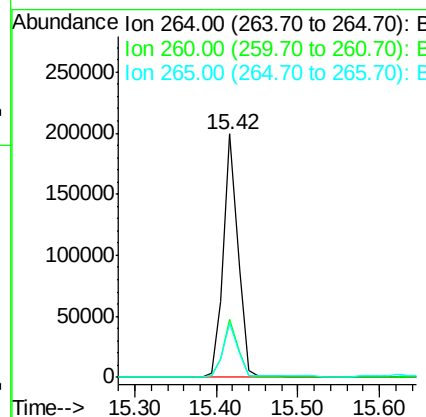
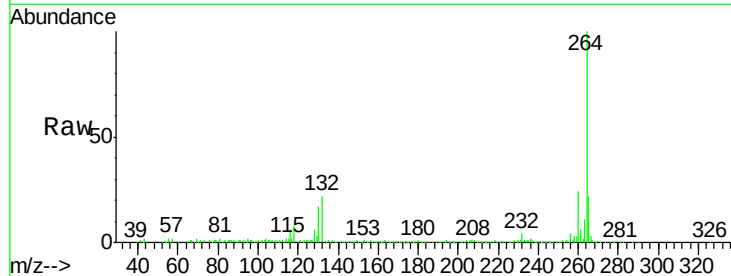
ClientSampleId :

SS-19

Tot Ion:	264	Resp:	251020
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	22.4	16.9	25.3

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#87

Benzo(b)fluoranthene

Concen: 4.79 ng m

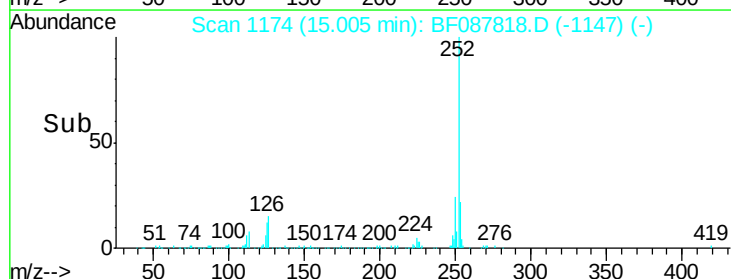
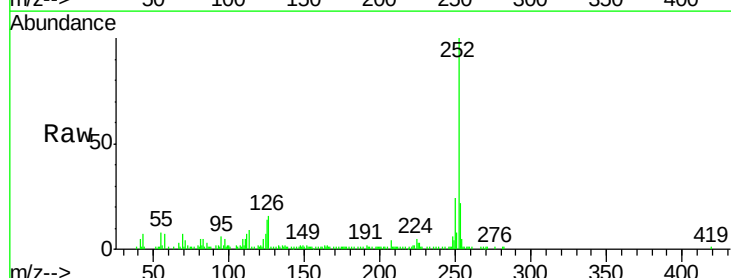
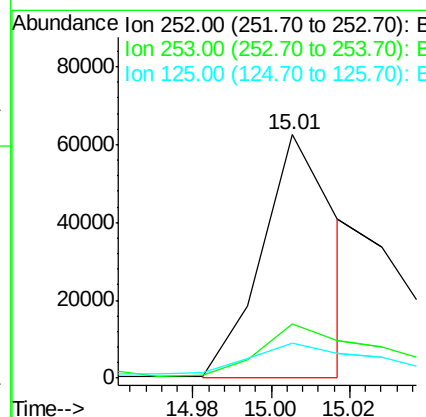
RT: 15.01 min Scan# 1174

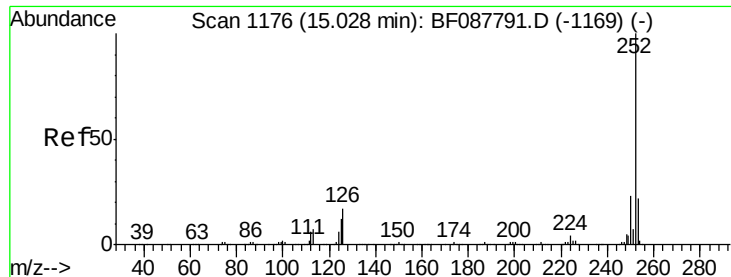
Delta R.T. 0.01 min

Lab File: BF087818.D

Acq: 8 Jun 2016 19:20

Tgt Ion:	252	Resp:	83780
Ion Ratio	Lower	Upper	
252	100		
253	22.5	17.4	26.2
125	14.4	7.1	10.7#





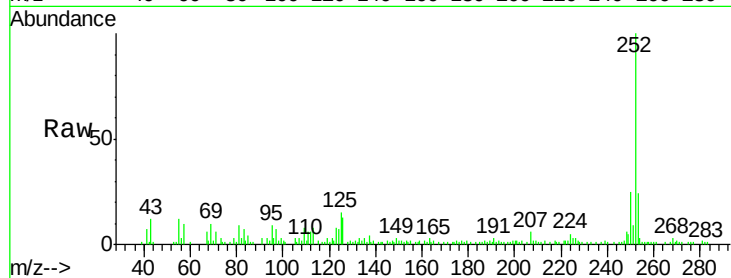
#88
Benzo(k)fluoranthene
Concen: 2.75 ng
RT: 15.02 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

Instrument :
BNA_F
ClientSampleId :
SS-19

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	15.4	11.2	16.8

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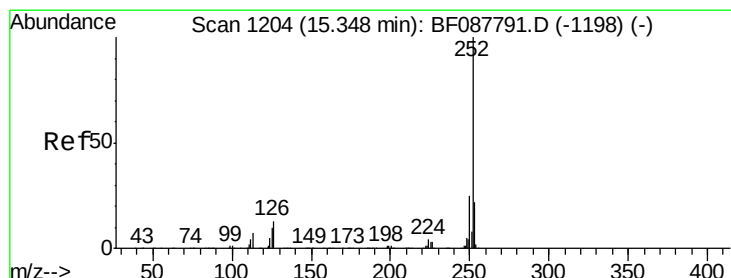
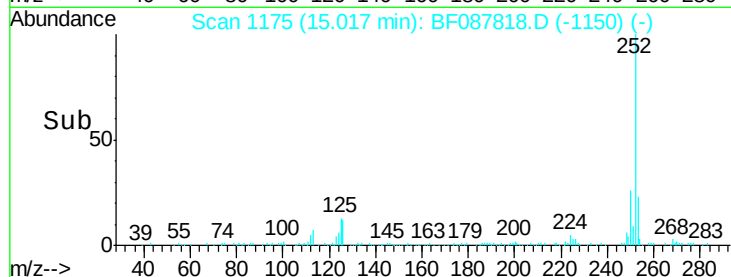
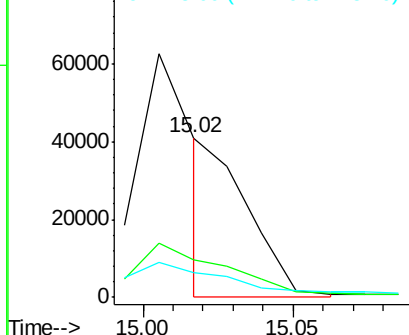


Abundance

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: 4.31 ng
RT: 15.36 min Scan# 1205
Delta R.T. 0.01 min
Lab File: BF087818.D
Acq: 8 Jun 2016 19:20

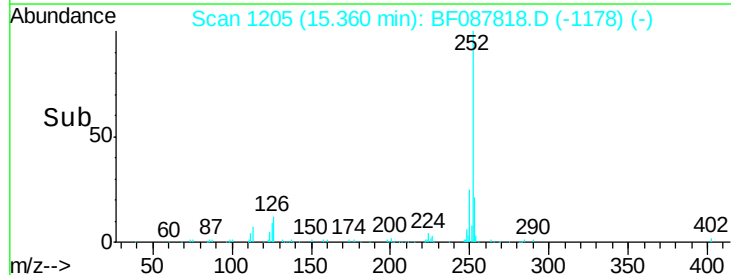
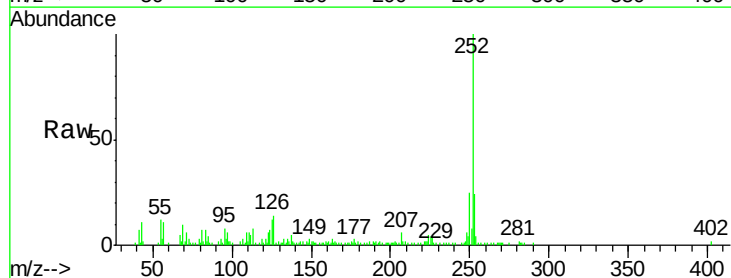
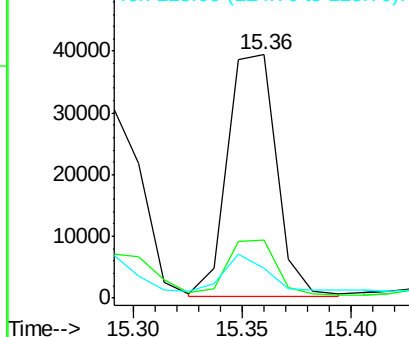
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.4	12.5	18.7#

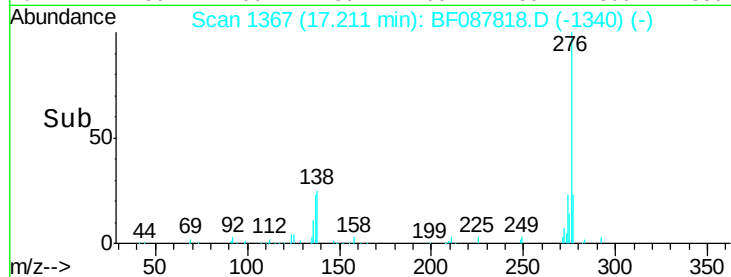
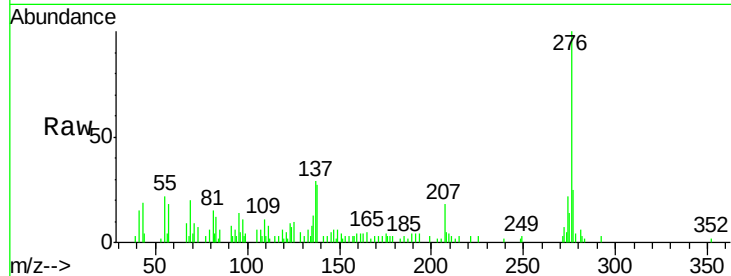
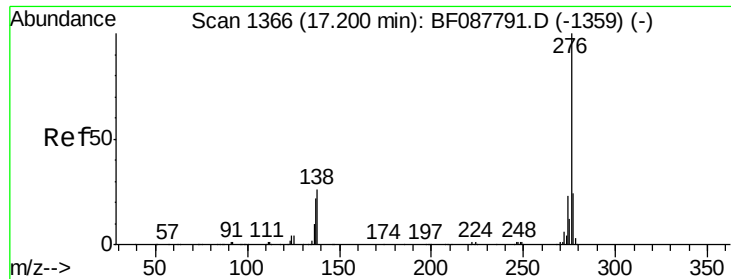
Abundance

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: 2.30 ng
 RT: 17.21 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: BF087818.D
 Acq: 8 Jun 2016 19:20

Instrument :
 BNA_F
 ClientSampleId :
 SS-19

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.9	18.9	28.3
138	27.4	21.4	32.2

Manual Integrations
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