

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098488.D
 Acq On : 13 Sep 2017 14:23
 Operator : SJ/JU
 Sample : I5201-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-091117

Manual Integrations
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Sohil
 9/14/2017 5:52:20 PM

Quant Time: Sep 13 19:05:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.65	152	179790	20.00	ng	-0.02
21) Naphthalene-d8	7.93	136	757573	20.00	ng	-0.02
38) Acenaphthene-d10	9.69	164	342643	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	618851	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	377442	20.00	ng	-0.02
86) Perylene-d12	15.20	264	362994	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	142720	11.74	ng	-0.02
7) Phenol-d6	6.30	99	218861	14.18	ng	-0.02
23) Nitrobenzene-d5	7.22	82	116881	8.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.47	330	37393	16.35	ng	-0.02
44) 2-Fluorobiphenyl	9.01	172	239170	11.83	ng	-0.02
78) Terphenyl-d14	12.74	244	194345	11.11	ng	-0.02
Target Compounds						
70) Phenanthrene	11.19	178	261878	7.982	ng	99
74) Fluoranthene	12.37	202	252999	7.703	ng	98
77) Pyrene	12.60	202	208992	7.019	ng	98
80) Benzo(a)anthracene	13.79	228	74235	3.355	ng	99
82) Chrysene	13.82	228	63793	2.852	ng	99
87) Benzo(b)fluoranthene	14.80	252	77536m	3.397	ng	
89) Benzo(a)pyrene	15.14	252	52357	2.575	ng	# 95

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

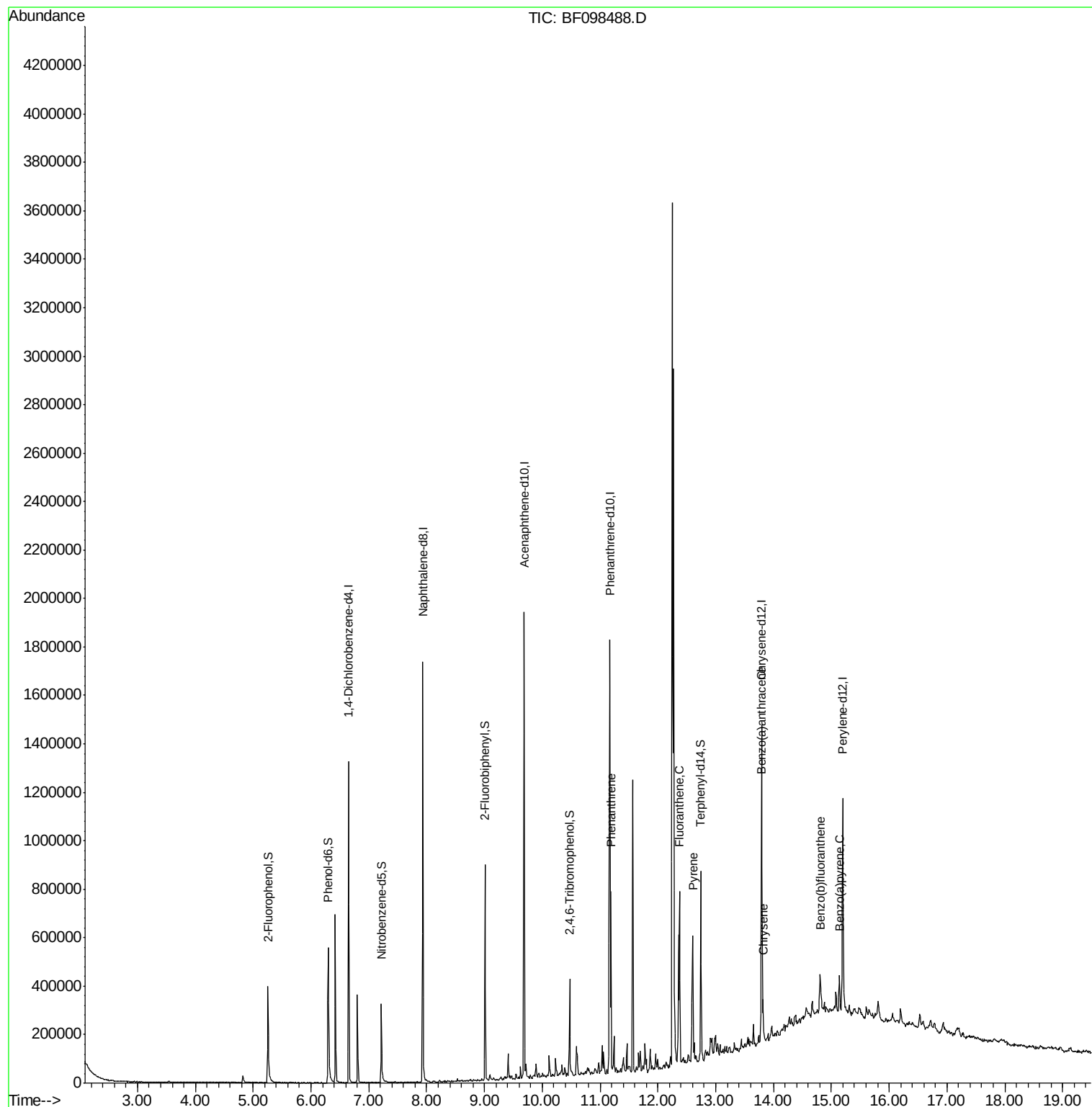
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
Data File : BF098488.D
Acq On : 13 Sep 2017 14:23
Operator : SJ/JU
Sample : I5201-01 5X
Misc :
ALS Vial : 8 Sample Multiplier: 1

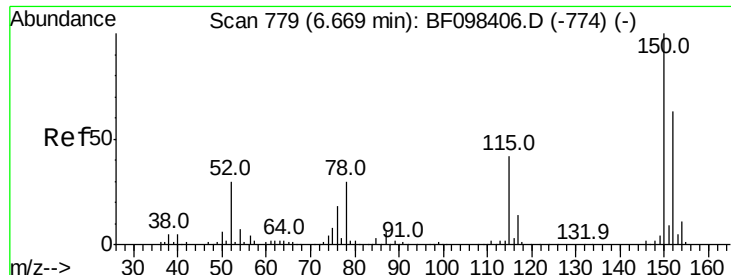
Instrument :
BNA_F
ClientSampleId :
SU-03-091117

Manual Integrations
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Quant Time: Sep 13 19:05:31 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
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QLast Update : Tue Sep 12 02:14:50 2017
Response via : Initial Calibration





#1

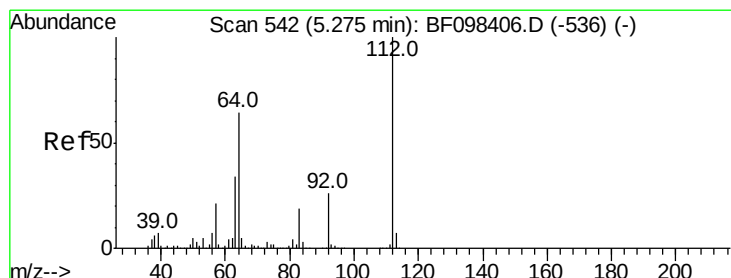
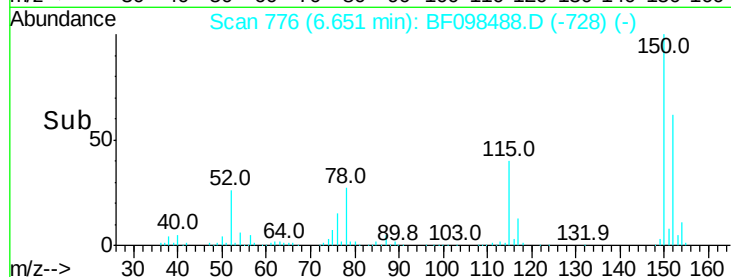
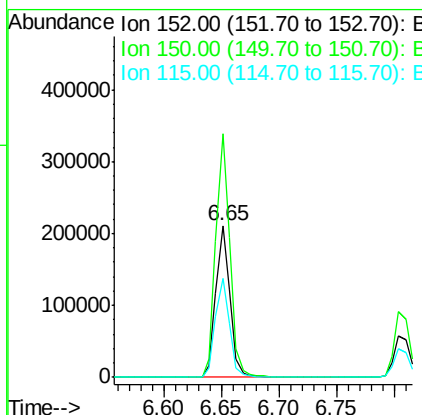
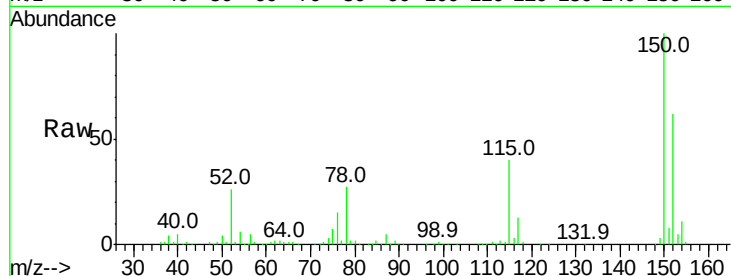
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.65 min Scan# 776
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Instrument :
BNA_F
ClientSampleId :
SU-03-091117

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.2	126.2	189.2
115	64.9	52.2	78.2

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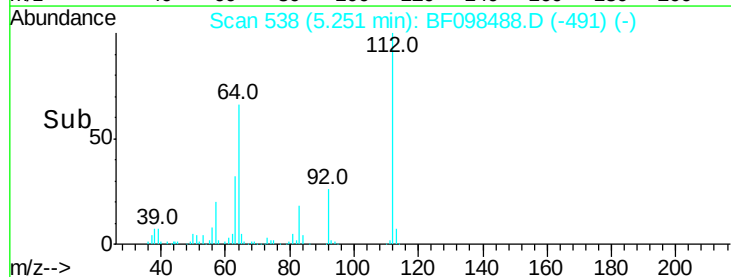
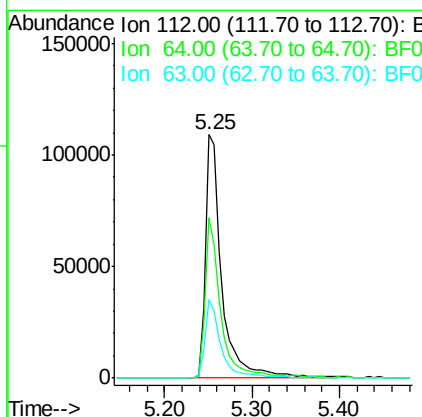
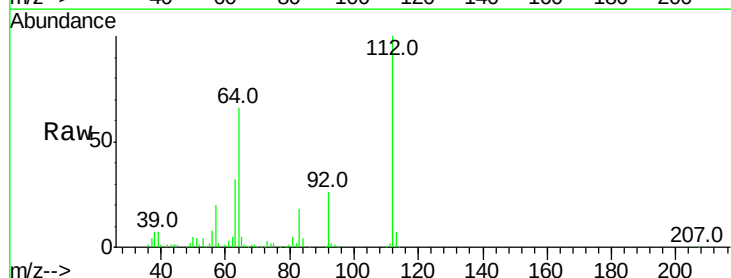
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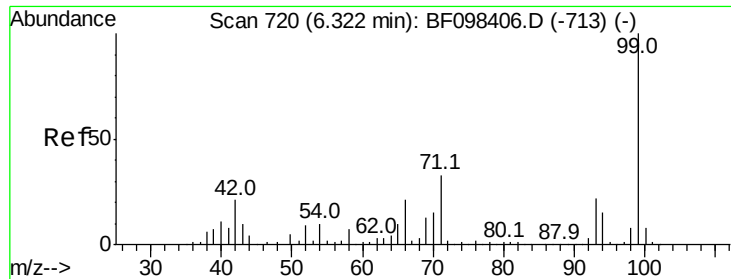


#5

2-Fluorophenol
Concen: 11.737 ng
RT: 5.25 min Scan# 538
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.9	46.0	69.0
63	32.2	23.4	35.0





#7

Phenol-d6

Concen: 14.176 ng

RT: 6.30 min Scan# 716

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

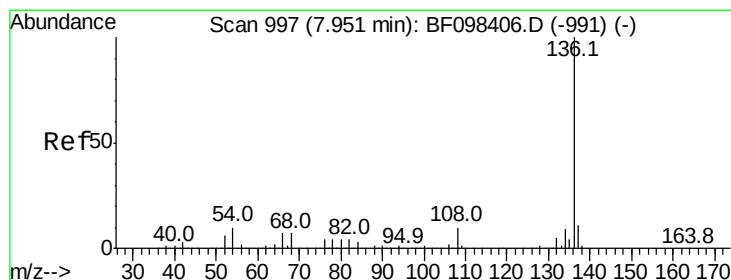
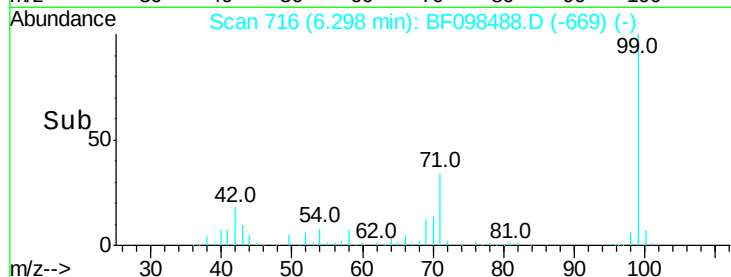
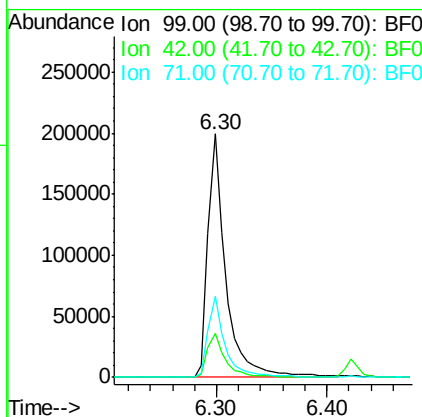
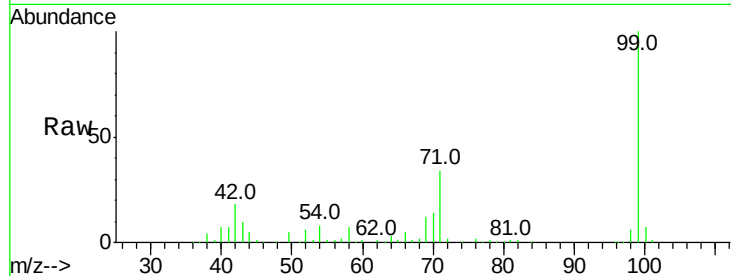
ClientSampleId :

SU-03-091117

Tot Ion	Ion	Ratio	Resp	Lower	Upper
99	100		218861		
42	18.3	13.5	20.3		
71	33.5	24.5	36.7		

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#21

Naphthalene-d8

Concen: 20.000 ng

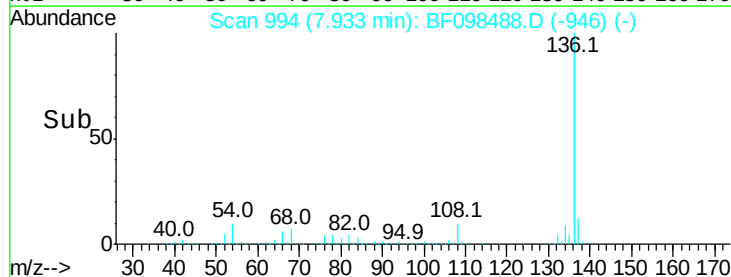
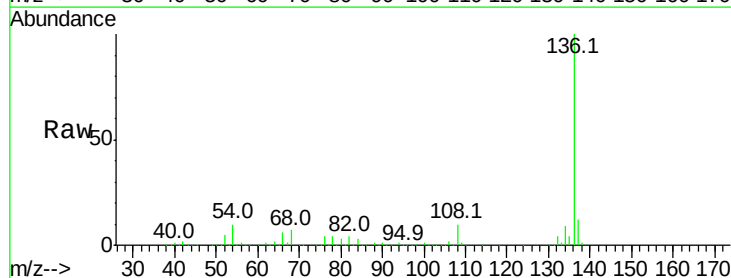
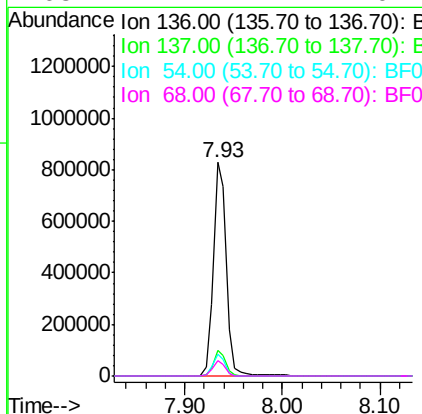
RT: 7.93 min Scan# 994

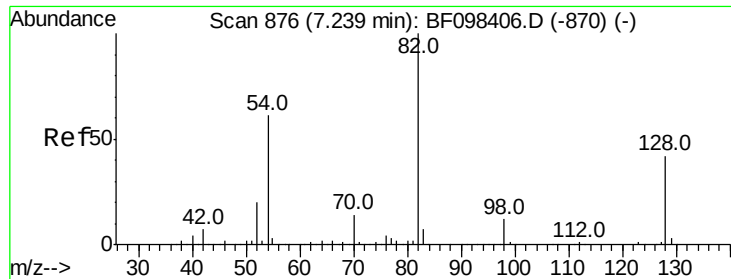
Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
136	100		757573		
137	11.8	8.5	12.7		
54	10.4	4.9	7.3#		
68	7.2	4.1	6.1#		





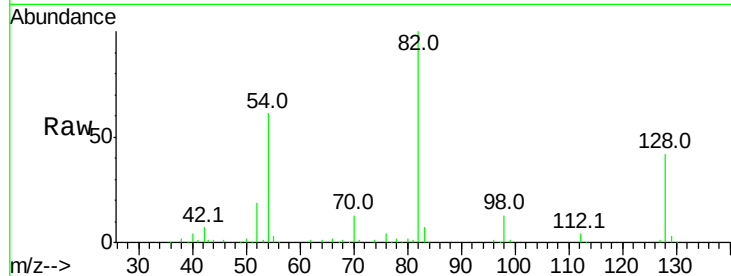
#23
Nitrobenzene-d5
Concen: 8.601 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Instrument :
BNA_F
ClientSampleId :
SU-03-091117

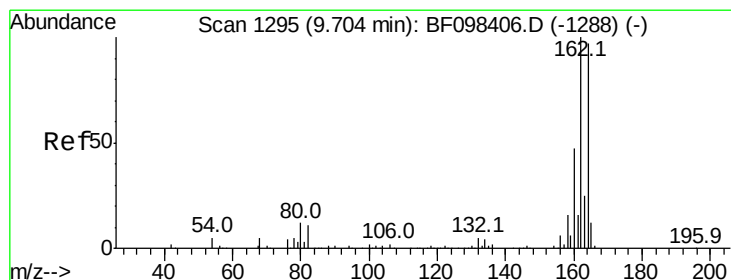
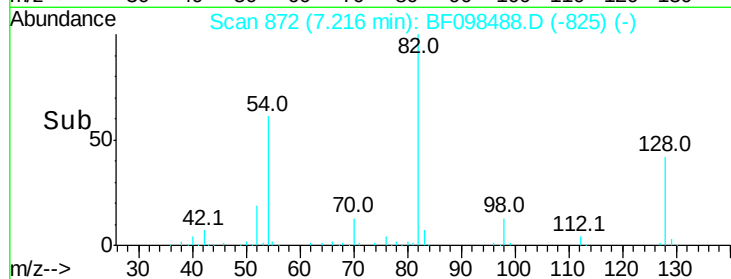
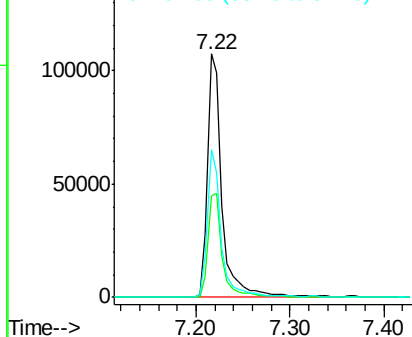
Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	41.8	34.0	51.0	
54	60.7	42.2	63.2	

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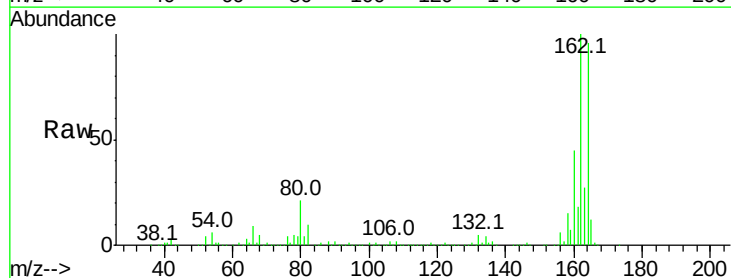


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF0

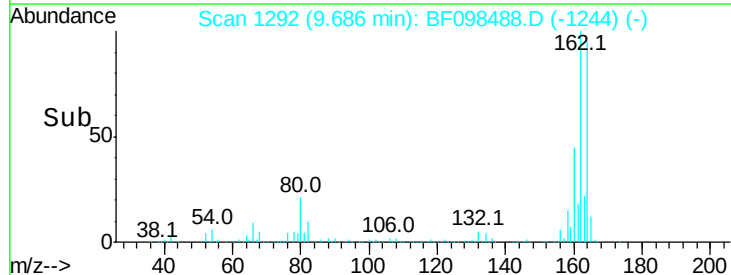
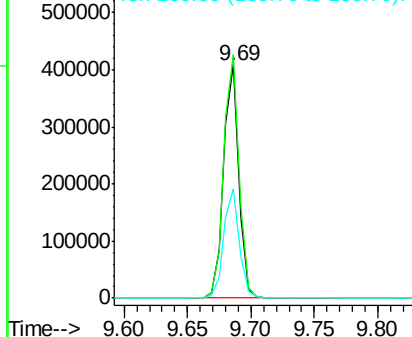


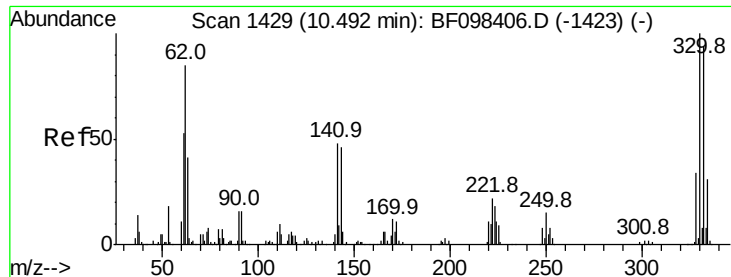
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.4	82.6	123.8	
160	46.9	36.2	54.2	



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





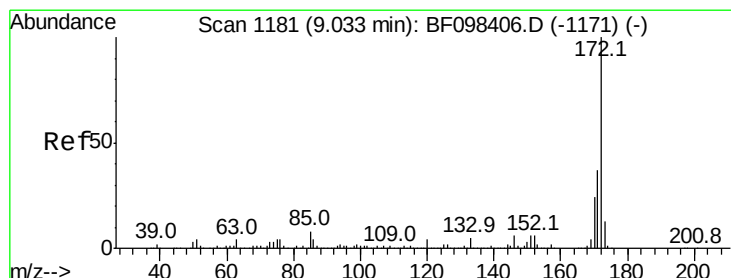
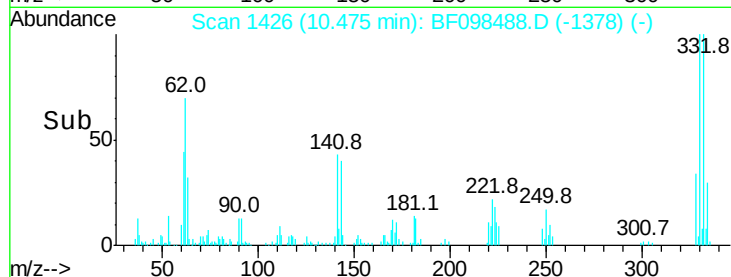
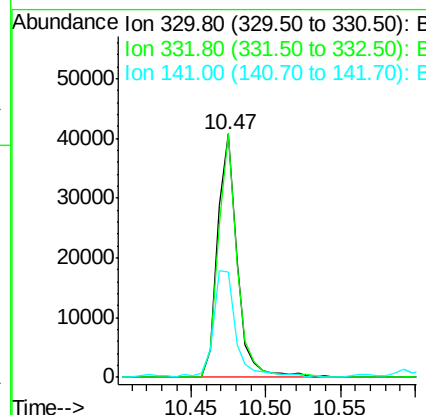
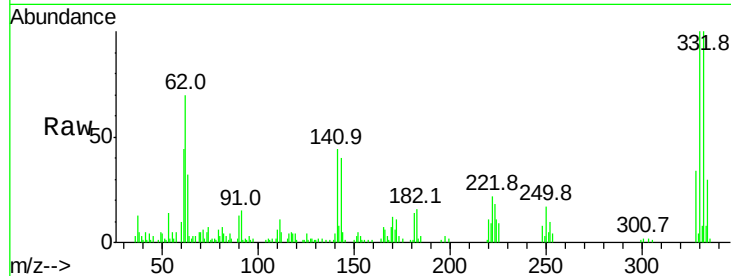
#41
 2,4,6-Tribromophenol
 Concen: 16.351 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.02 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-091117

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.5	76.6	115.0	
141	51.0	31.4	47.2	

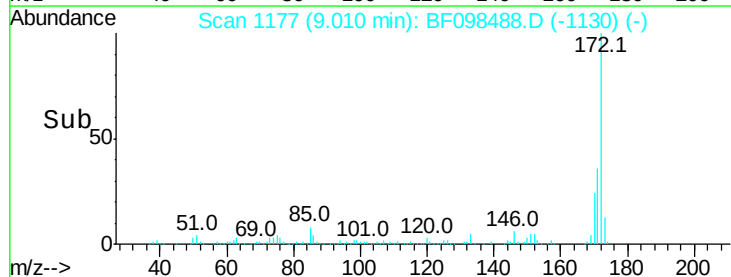
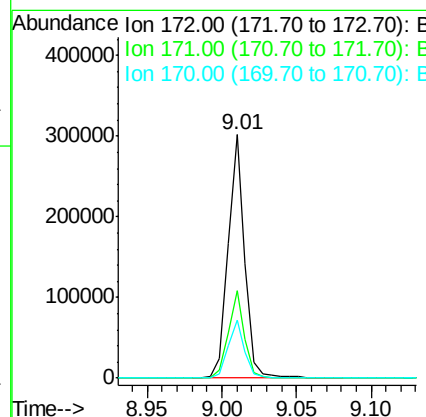
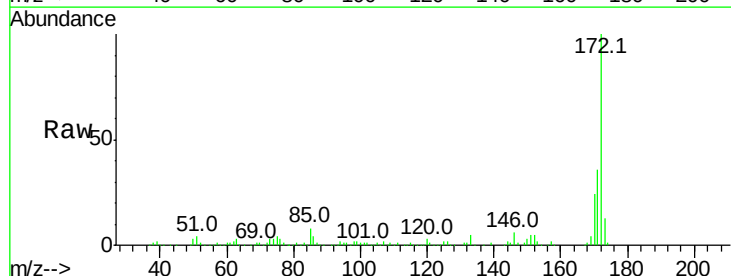
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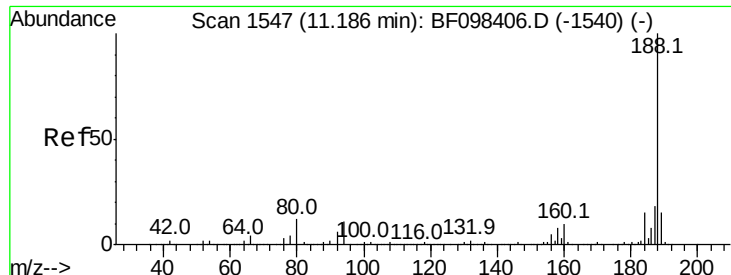
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#44
 2-Fluorobiphenyl
 Concen: 11.831 ng
 RT: 9.01 min Scan# 1177
 Delta R.T. -0.02 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.8	29.6	44.4	
170	23.7	19.8	29.8	





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

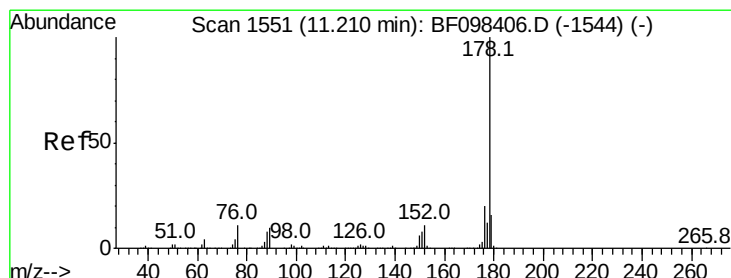
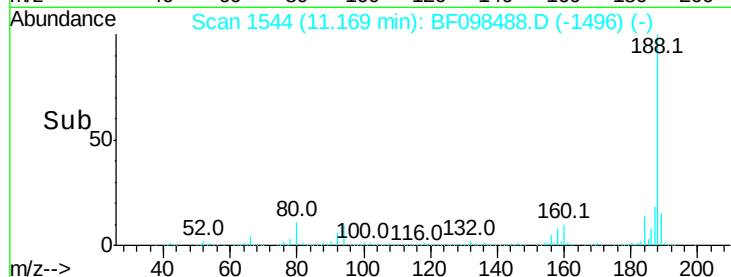
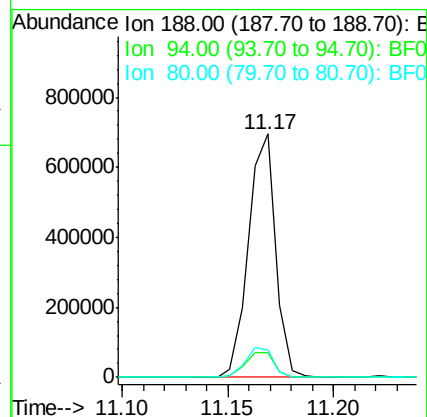
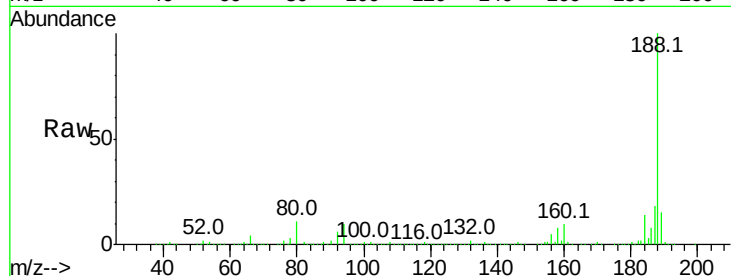
ClientSampleId :

SU-03-091117

Tot Ion:	188	Resp:	618851
Ion Ratio	Lower	Upper	
188	100		
94	10.1	9.4	14.2
80	11.3	10.2	15.2

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#70

Phenanthrene

Concen: 7.982 ng

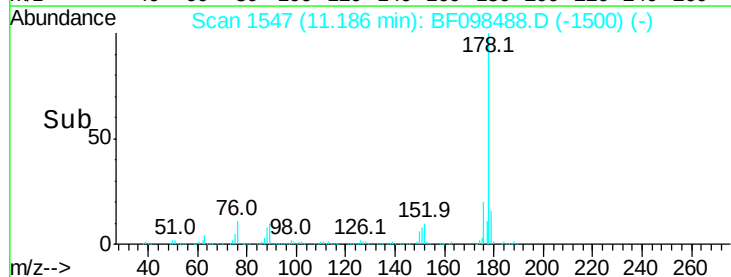
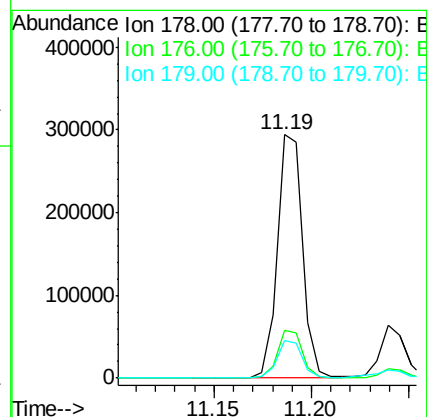
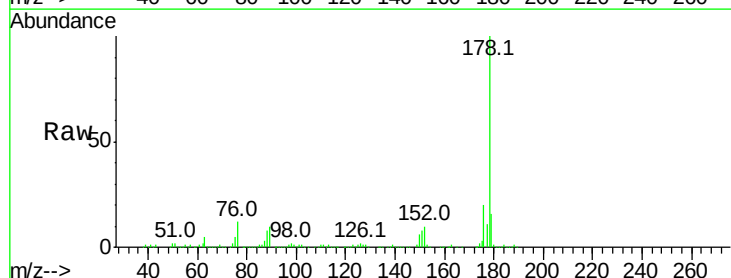
RT: 11.19 min Scan# 1547

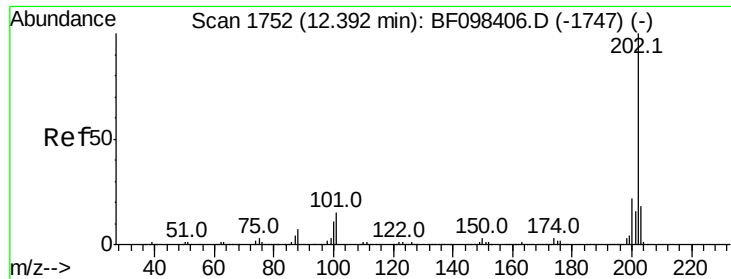
Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Tgt Ion:	178	Resp:	261878
Ion Ratio	Lower	Upper	
178	100		
176	19.6	16.2	24.4
179	15.6	12.6	19.0





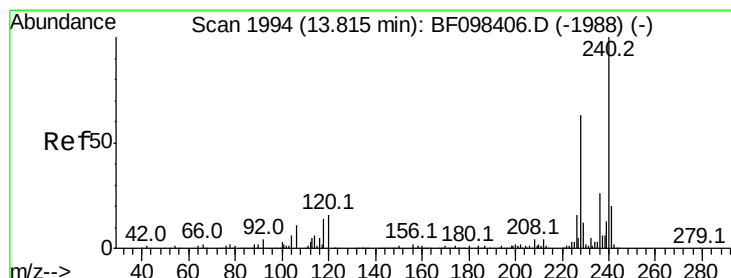
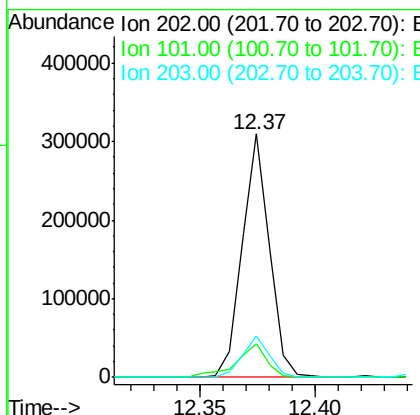
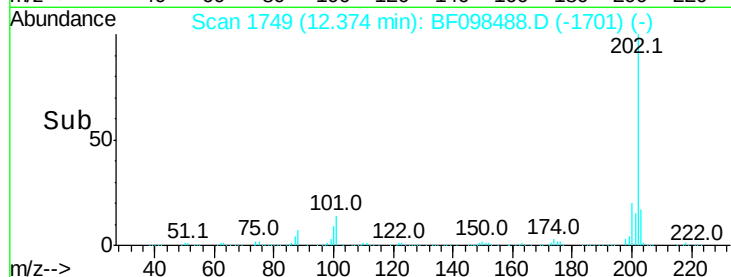
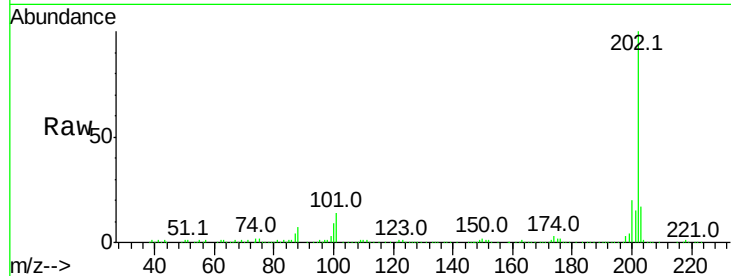
#74
 Fluoranthene
 Concen: 7.703 ng
 RT: 12.37 min Scan# 1749
 Delta R.T. -0.02 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

Instrument :
 BNA_F
 ClientSampleId :
 SU-03-091117

Tot Ion	Ratio	Resp	Lower	Upper
202	100	252999		
101	13.8	0.0	33.2	
203	17.0	0.0	38.1	

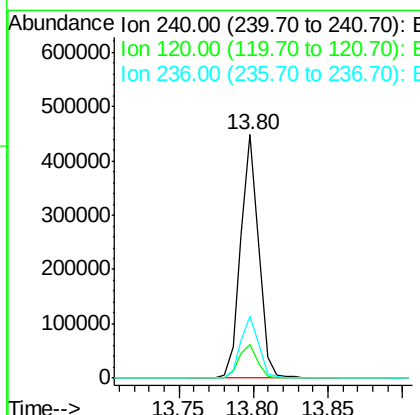
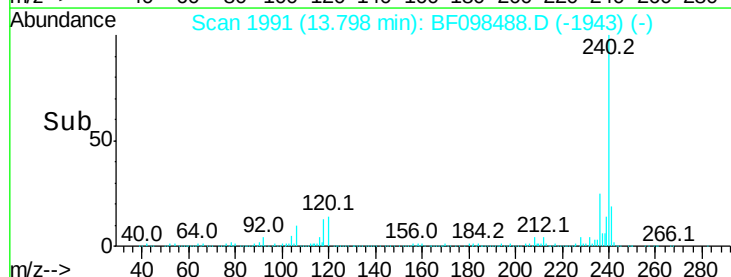
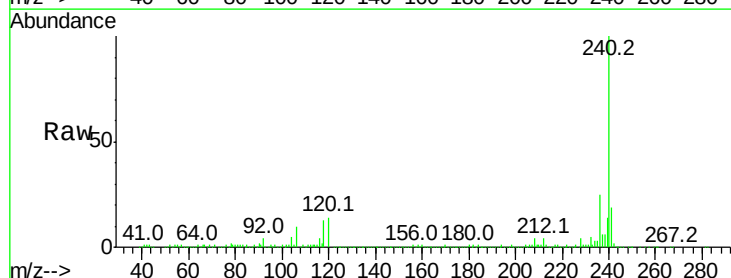
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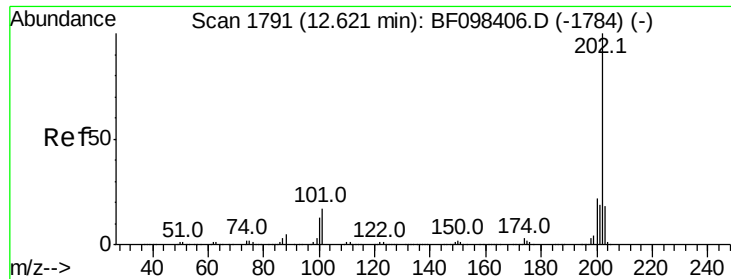
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.80 min Scan# 1991
 Delta R.T. -0.02 min
 Lab File: BF098488.D
 Acq: 13 Sep 2017 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	377442		
120	13.9	5.8	8.8#	
236	25.3	20.5	30.7	





#77

Pvrene

Concen: 7.019 ng

RT: 12.60 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BF098488.D

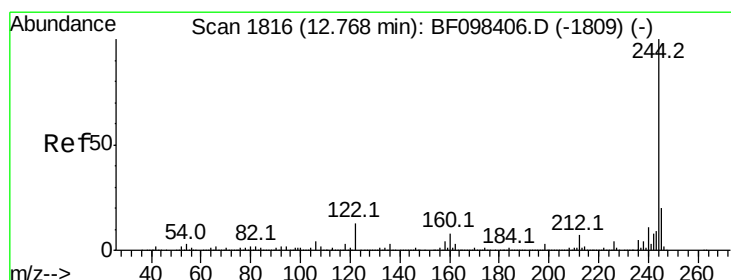
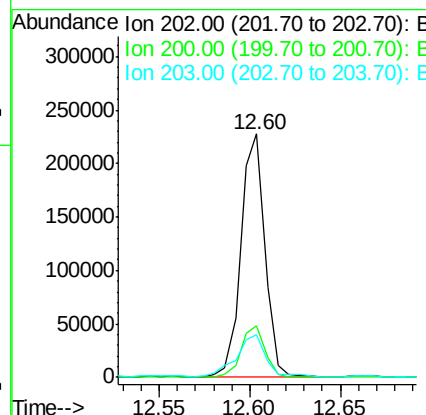
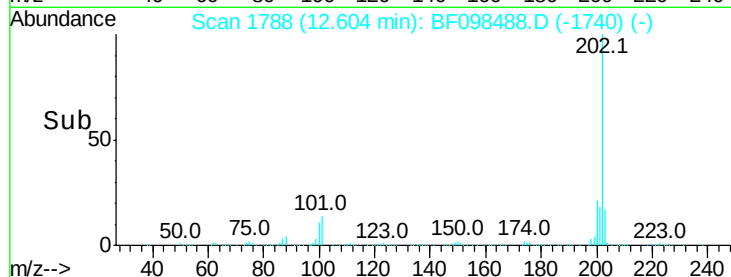
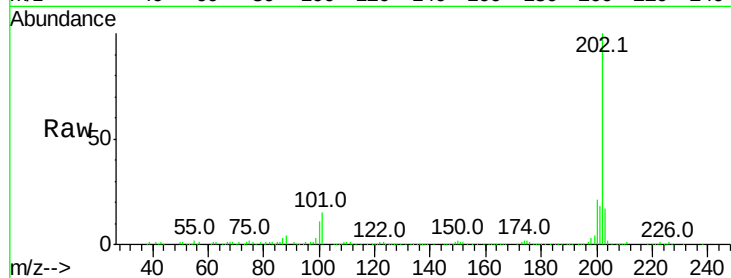
Acq: 13 Sep 2017 14:23

Instrument :
BNA_F
ClientSampleId :
SU-03-091117

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.1	17.6	26.4
203	17.4	14.4	21.6

Manual Integrations
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#78

Terphenyl-d14

Concen: 11.114 ng

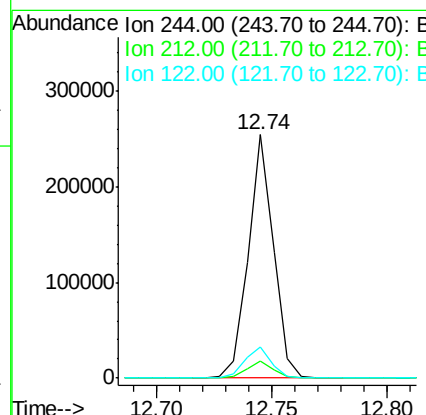
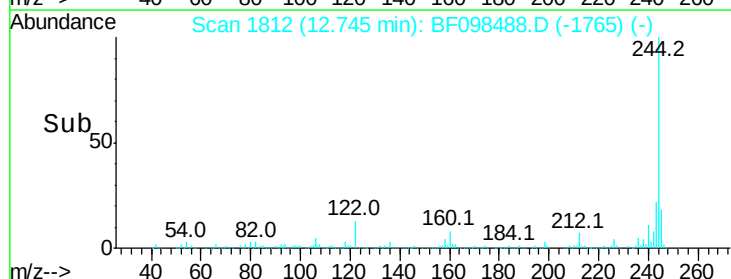
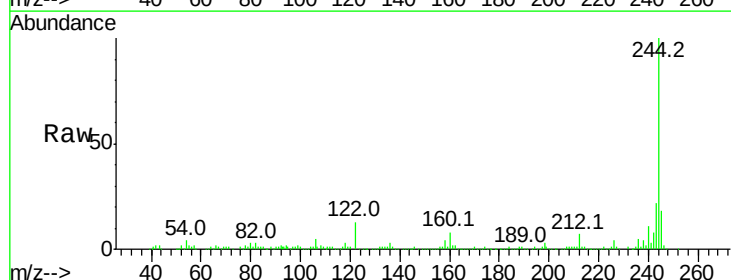
RT: 12.74 min Scan# 1812

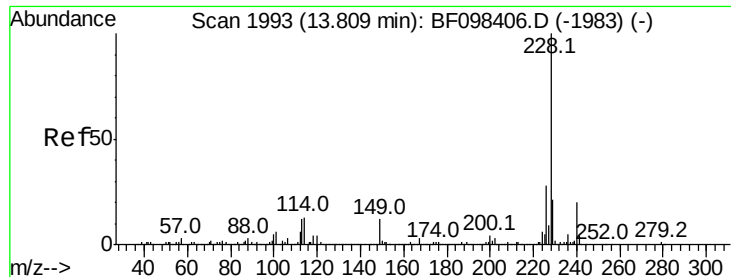
Delta R.T. -0.02 min

Lab File: BF098488.D

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Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.0	6.0	9.0
122	13.0	10.3	15.5





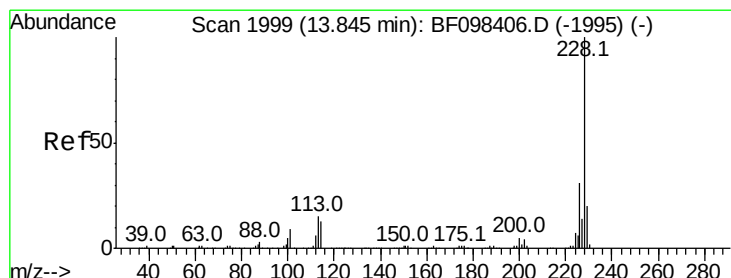
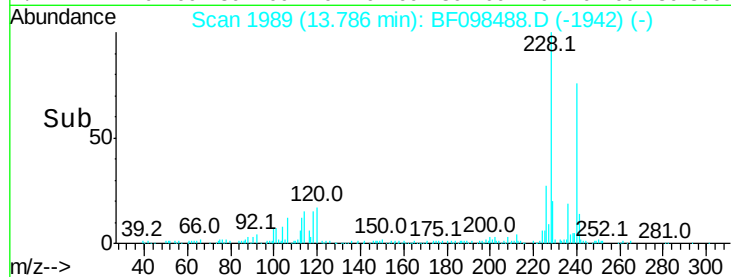
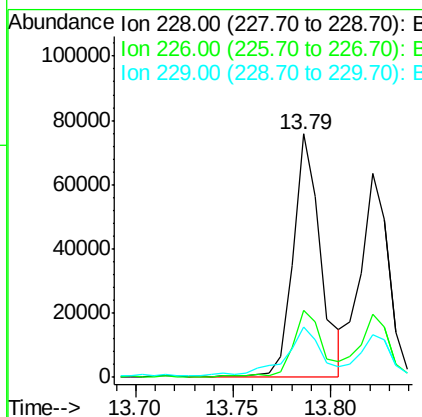
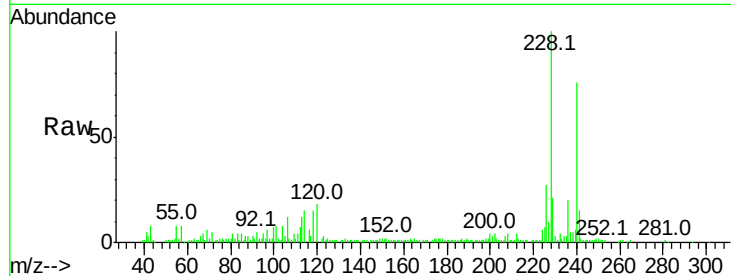
#80
Benzo(a)anthracene
Concen: 3.355 ng
RT: 13.79 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Instrument :
BNA_F
ClientSampleId :
SU-03-091117

Tot Ion:228	Resp:	74235
Ion Ratio	Lower	Upper
228 100		
226 27.5	22.6	33.8
229 20.8	16.3	24.5

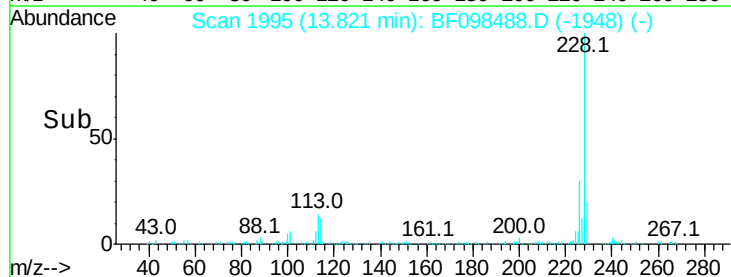
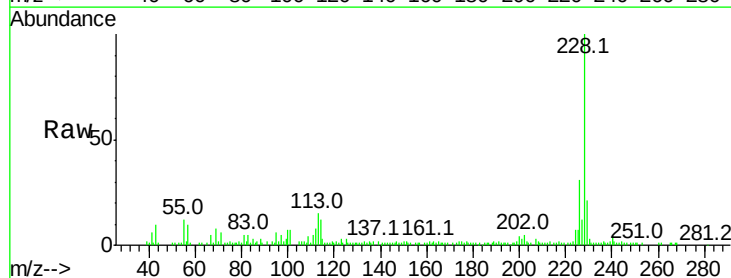
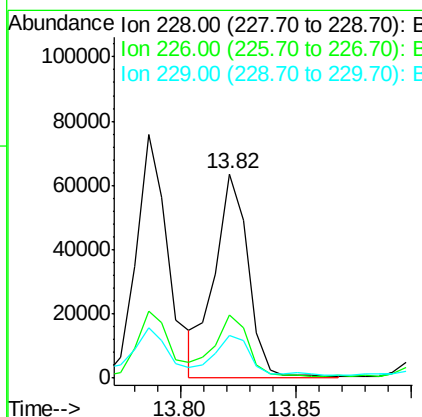
Manual Integrations
APPROVED

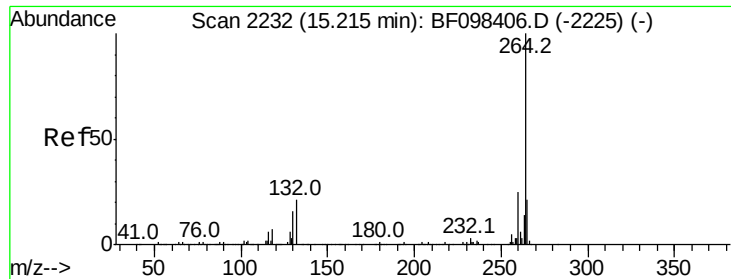
Sohil
9/14/2017 5:52:20 PM



#82
Chrysene
Concen: 2.852 ng
RT: 13.82 min Scan# 1995
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Tgt Ion:228	Resp:	63793
Ion Ratio	Lower	Upper
228 100		
226 31.0	24.9	37.3
229 20.7	15.8	23.6





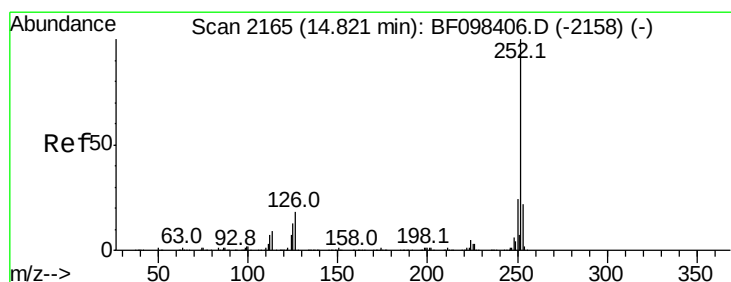
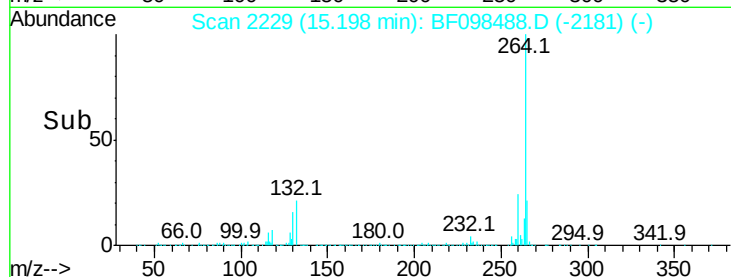
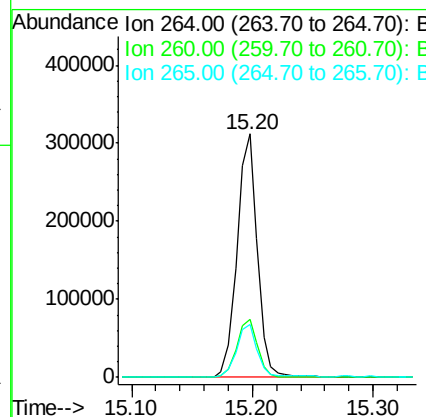
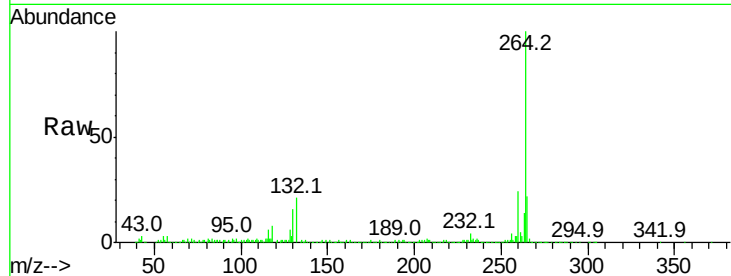
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.20 min Scan# 2229
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Instrument :
BNA_F
ClientSampleId :
SU-03-091117

Tot Ion	Ratio	Resp	Lower	Upper
264	100			
260	23.8	19.5	29.3	
265	21.5	17.2	25.8	

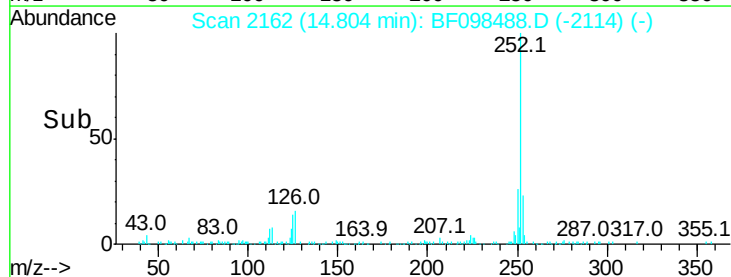
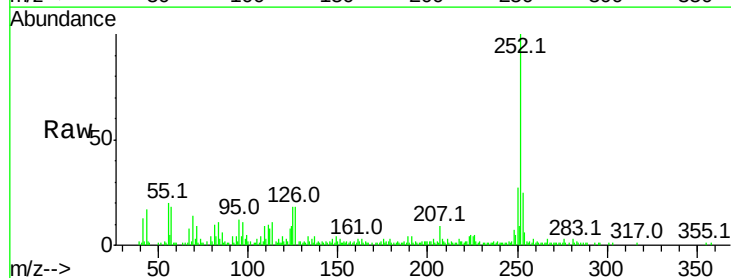
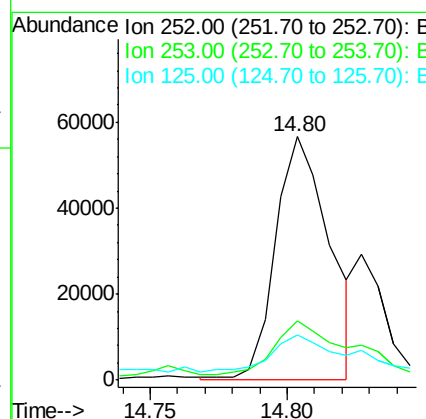
Manual Integrations
APPROVED

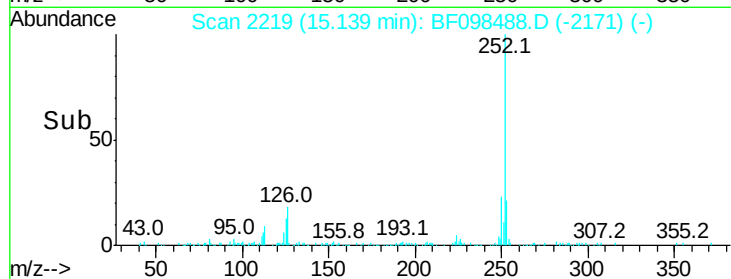
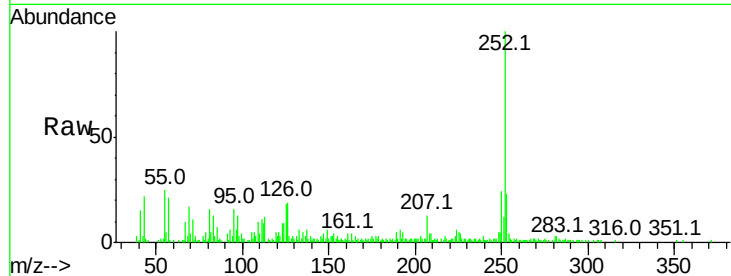
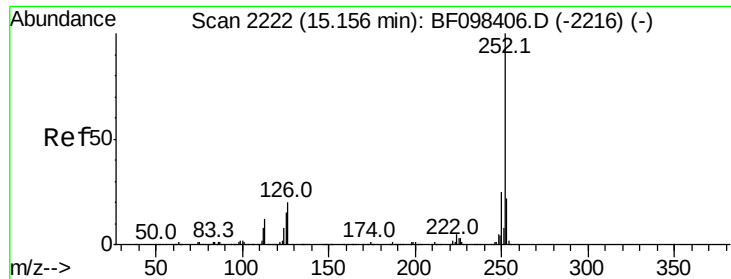
Sohil
9/14/2017 5:52:20 PM



#87
Benzo(b)fluoranthene
Concen: 3.397 ng m
RT: 14.80 min Scan# 2162
Delta R.T. -0.02 min
Lab File: BF098488.D
Acq: 13 Sep 2017 14:23

Tgt Ion	Ratio	Resp	Lower	Upper
252	100			
253	24.5	18.1	27.1	
125	18.4	9.8	14.8#	





#89

Benzo(a)pyrene

Concen: 2.575 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.02 min

Lab File: BF098488.D

Acq: 13 Sep 2017 14:23

Instrument :

BNA_F

ClientSampled :

SU-03-091117

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	18.0	11.0	16.4

Manual Integrations
APPROVED

Sohil
9/14/2017 5:52:20 PM

