

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072518\
 Data File : BF107656.D
 Acq On : 25 Jul 2018 14:52
 Operator : JU/SJ
 Sample : J3821-07 2X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

Manual Integrations
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7/26/2018 2:02:49 PM

Quant Time: Jul 25 17:43:00 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	249136	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	945196	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	382802	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	667877	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	505072	20.00	ng	-0.01
86) Perylene-d12	15.68	264	465696	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	746538	48.18	ng	-0.01
7) Phenol-d6	6.60	99	939104	50.47	ng	-0.02
23) Nitrobenzene-d5	7.53	82	574498	41.02	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	227042	52.16	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	912527	33.31	ng	-0.02
78) Terphenyl-d14	13.08	244	701690	35.57	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.71	163	223435	7.745	ng	Qvalue # 99
70) Phenanthrene	11.52	178	95996	2.950	ng	99
74) Fluoranthene	12.72	202	186857	5.350	ng	96
77) Pyrene	12.95	202	182936	5.295	ng	97
80) Benzo(a)anthracene	14.14	228	79759	2.695	ng	96
82) Chrysene	14.18	228	90646m	3.188	ng	
87) Benzo(b)fluoranthene	15.22	252	99604m	3.908	ng	
89) Benzo(a)pyrene	15.62	252	68826	2.952	ng	# 92
91) Benzo(g,h,i)perylene	17.74	276	45004	2.264	ng	# 88

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

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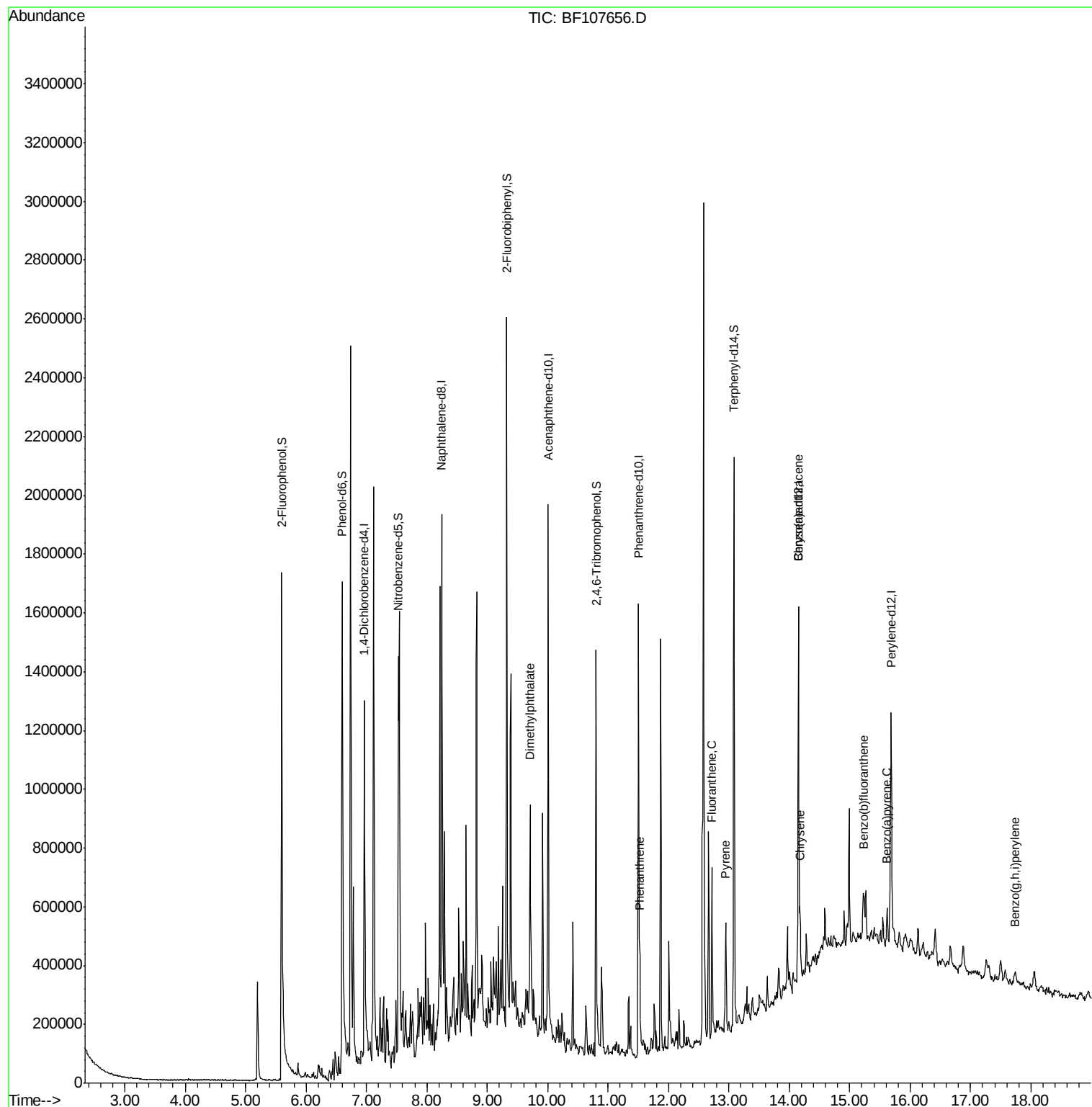
Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

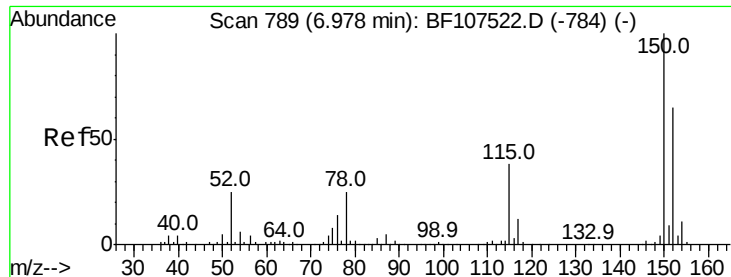
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Response via : Initial Calibration

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#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

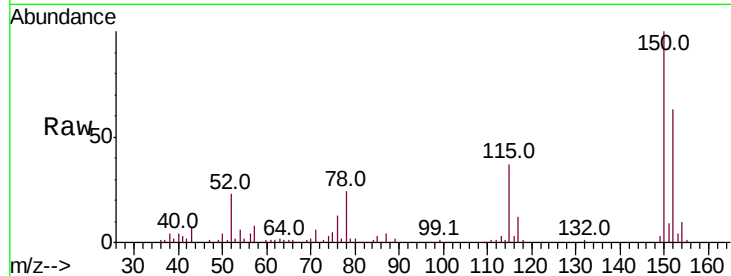
Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.3	124.6	186.8
115	59.3	50.1	75.1

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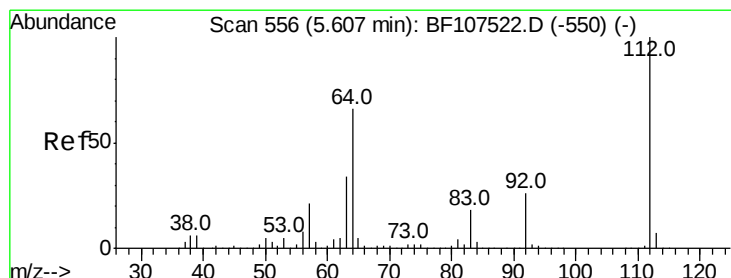
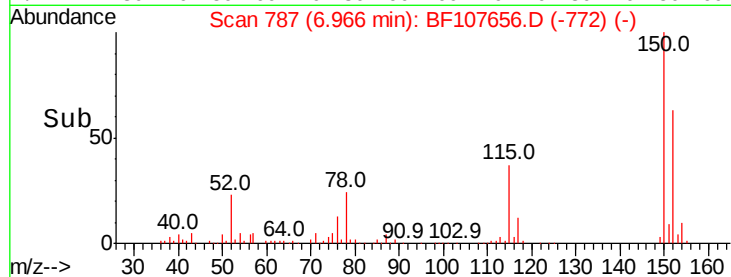
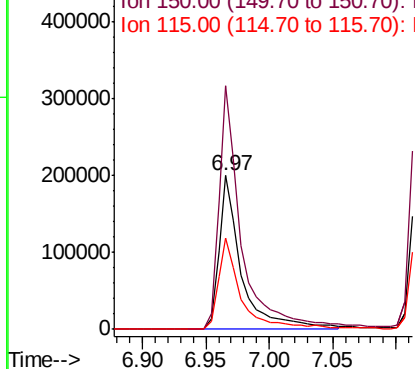


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

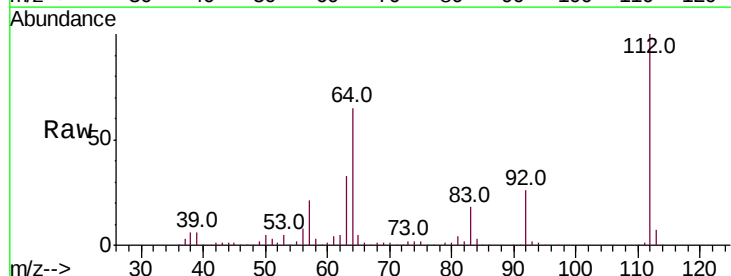
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 48.178 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	33.2	23.7	35.5

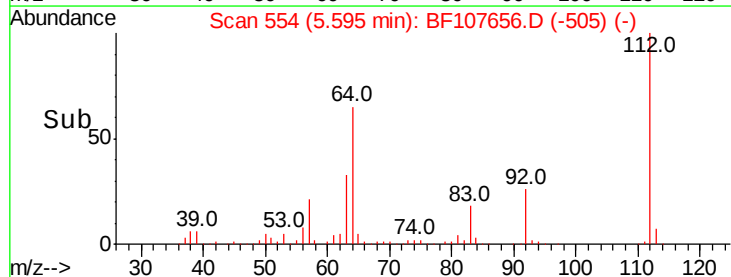
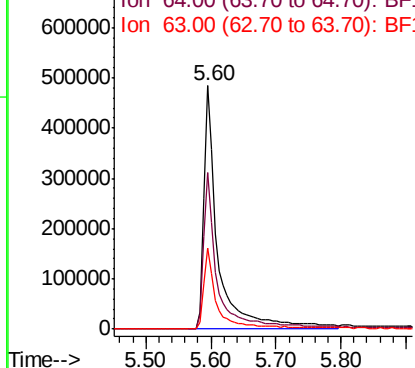


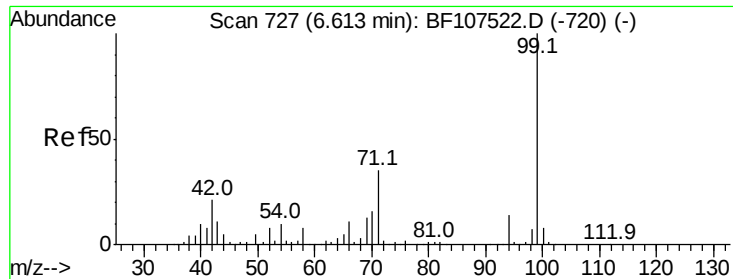
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 50.473 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

Instrument :

BNA_F

ClientSampleId :

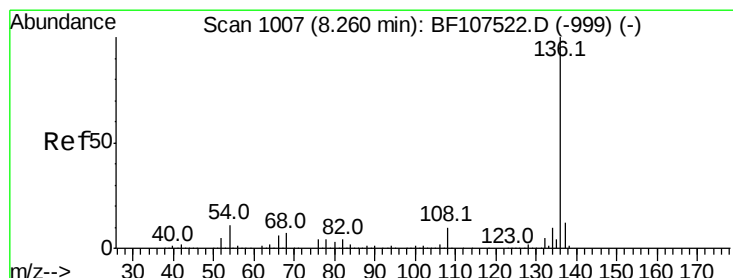
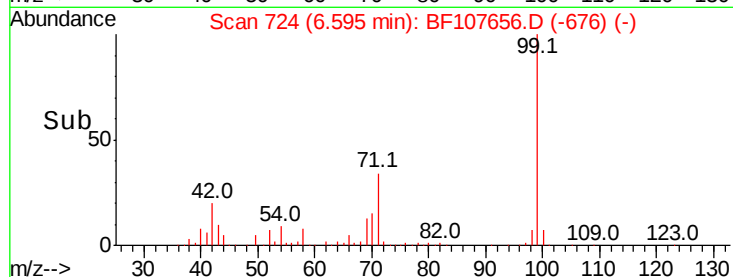
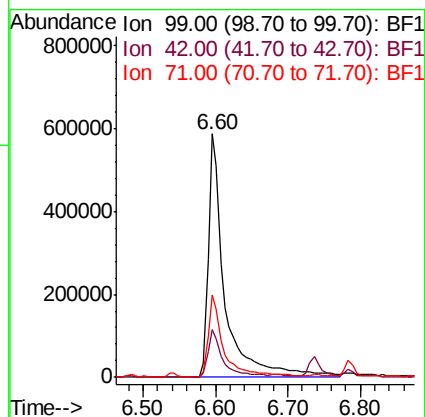
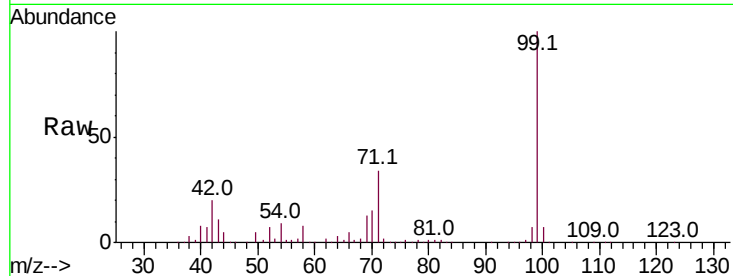
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Tot Ion:	99	Resp:	939104
Ion Ratio	Lower	Upper	
99	100		
42	19.8	14.5	21.7
71	33.8	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

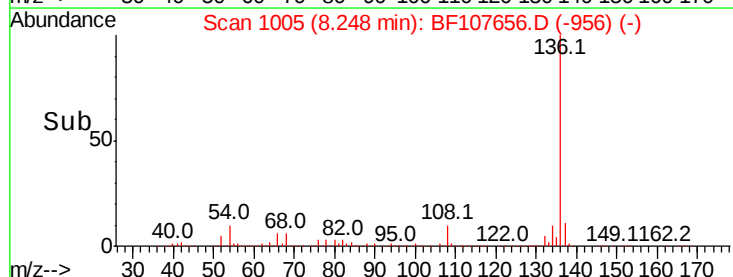
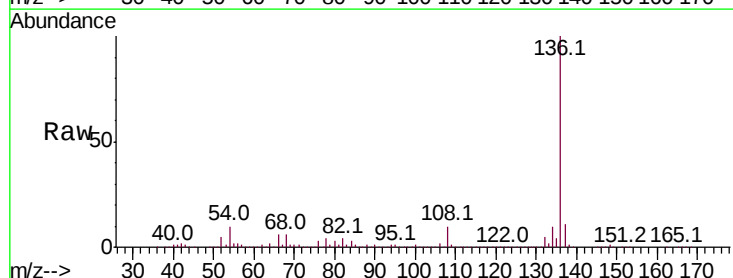
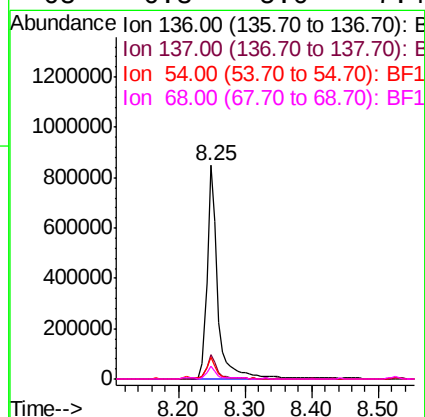
RT: 8.25 min Scan# 1005

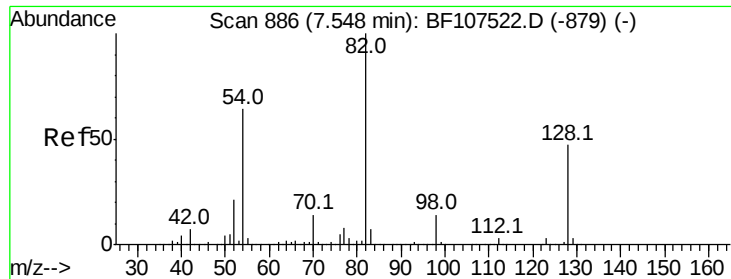
Delta R.T. -0.01 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

Tgt Ion:	136	Resp:	945196
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	10.1	6.6	9.8
68	6.3	5.0	7.4





#23
 Nitrobenzene-d5
 Concen: 41.020 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

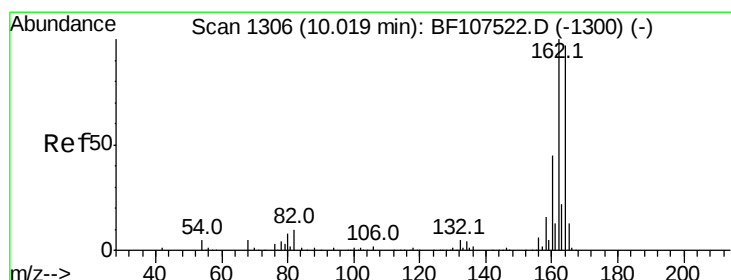
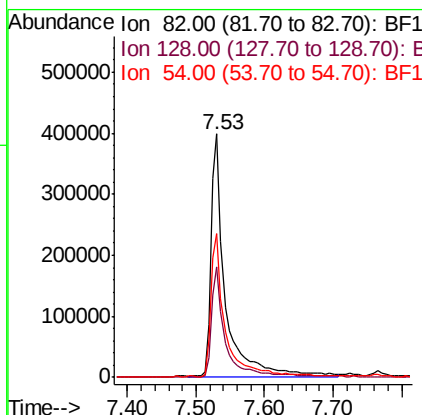
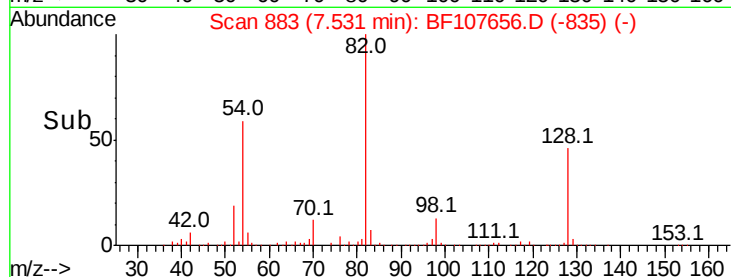
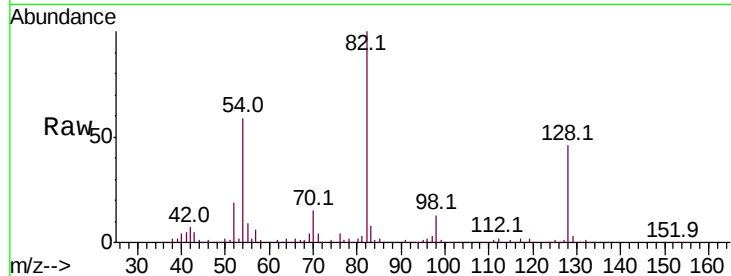
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

Tot Ion:	82	Resp:	574498
Ion Ratio	Lower	Upper	
82	100		
128	45.5	36.1	54.1
54	59.3	41.4	62.2

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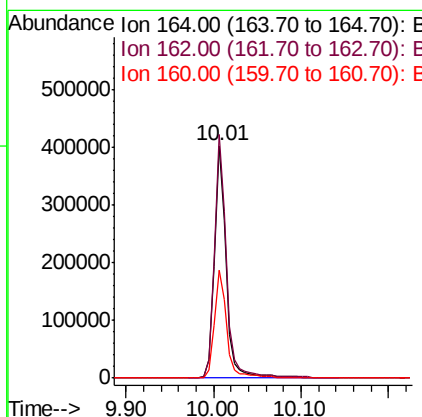
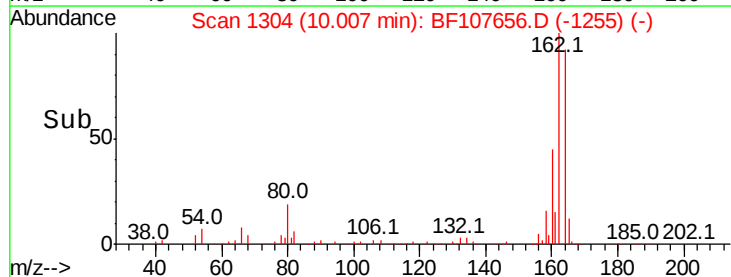
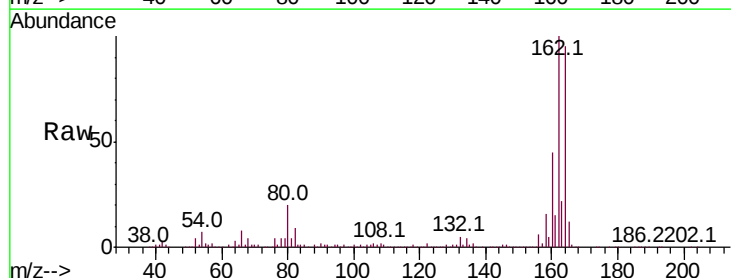
Sohil

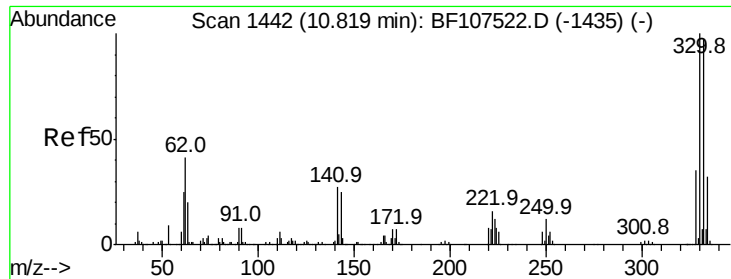
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Tgt Ion:	164	Resp:	382802
Ion Ratio	Lower	Upper	
164	100		
162	104.8	86.1	129.1
160	46.7	38.3	57.5





#41
 2,4,6-Tribromophenol
 Concen: 52.157 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

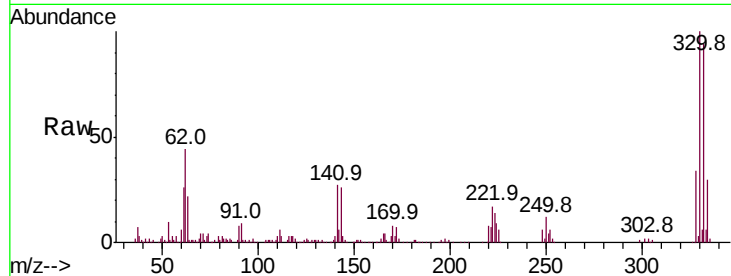
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

Tot Ion	Ratio	Resp	Lower	Upper
330	100	227042		
332	95.7	77.0	115.6	
141	28.3	29.9	44.9	

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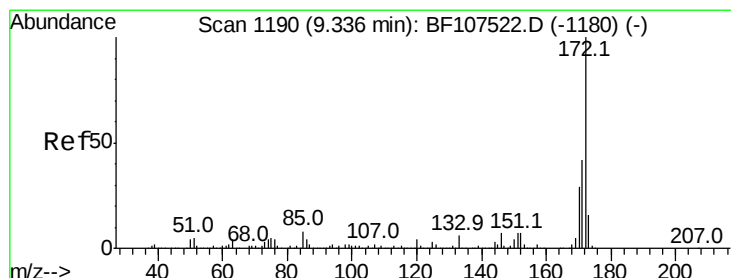
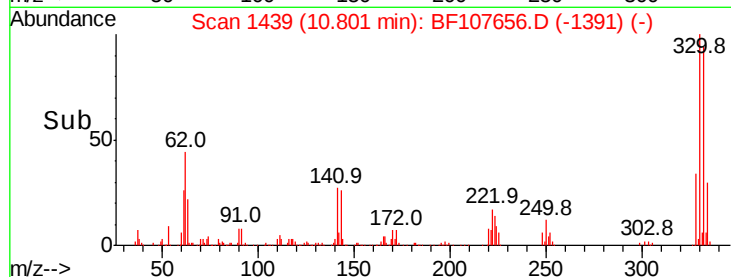
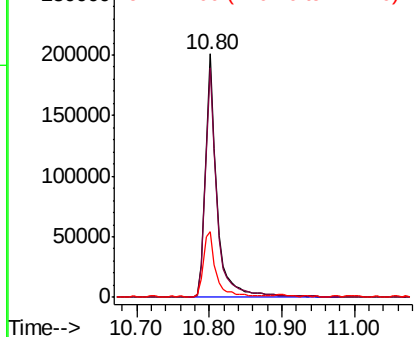


Abundance

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: 33.315 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. -0.02 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

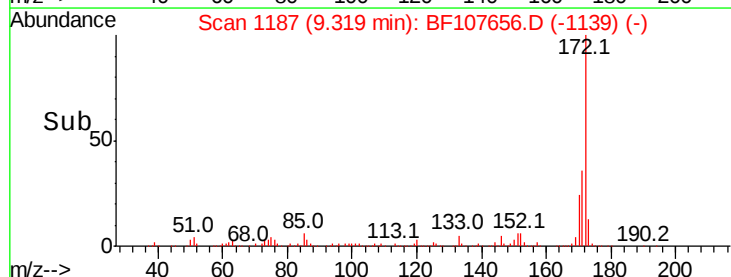
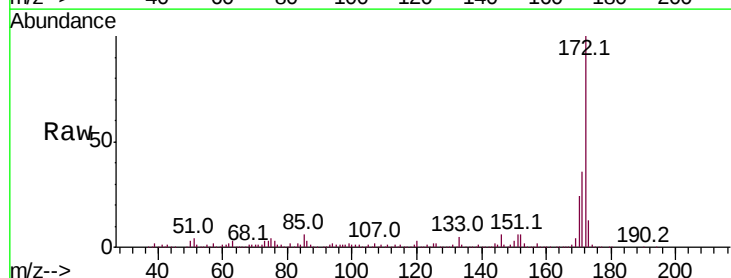
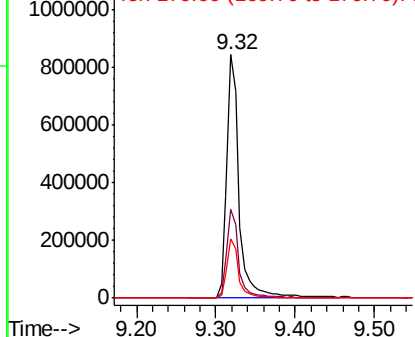
Tgt Ion	Ratio	Resp	Lower	Upper
172	100	912527		
171	36.2	29.7	44.5	
170	24.4	19.6	29.4	

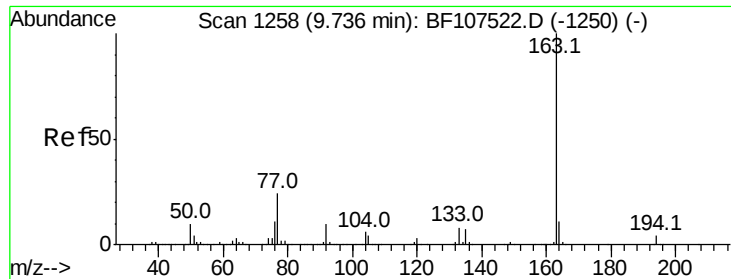
Abundance

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: 7.745 ng
RT: 9.71 min Scan# 1254
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

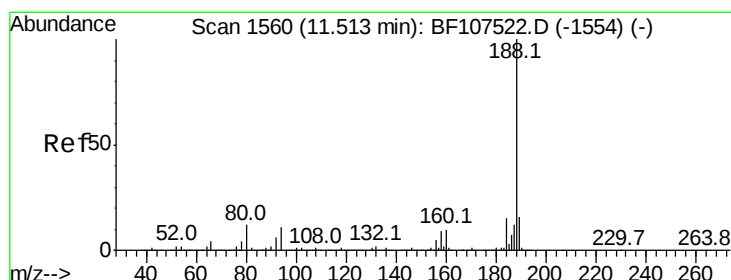
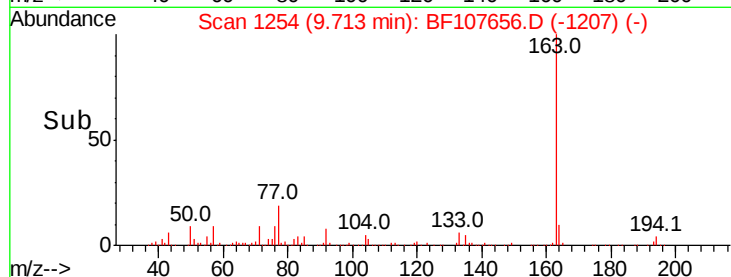
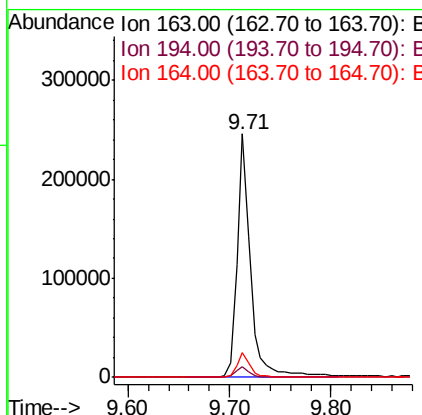
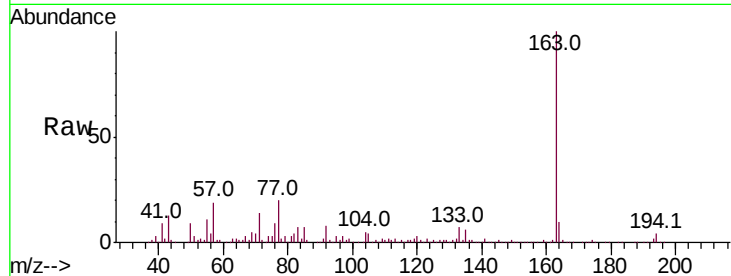
Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

Tot Ion	Ratio	Resp	Lower	Upper
163	100	223435		
194	4.4	2.7	4.1#	
164	10.2	8.2	12.2	

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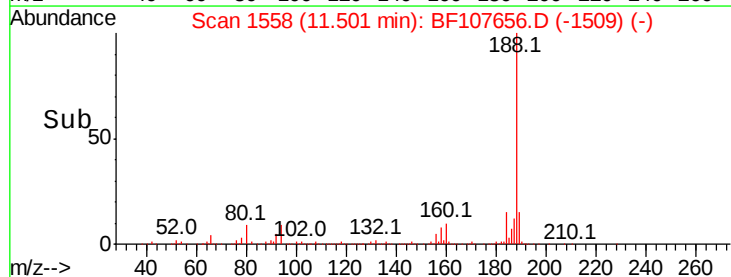
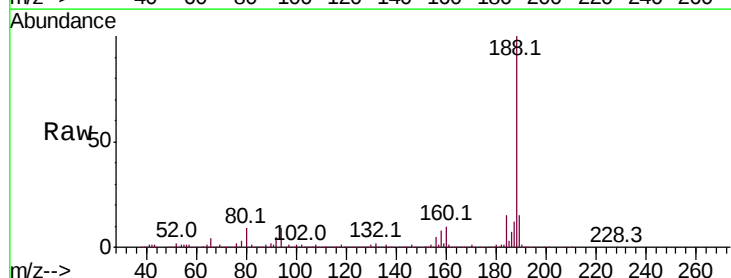
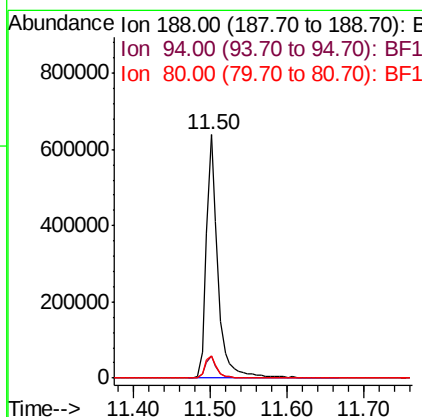
Sohil

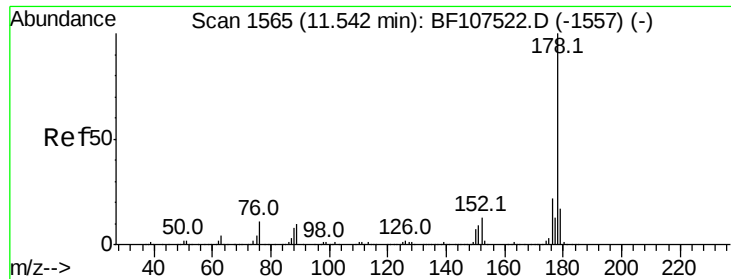
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	667877		
94	9.0	8.5	12.7	
80	9.4	9.2	13.8	





#70
Phenanthrene
Concen: 2.950 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

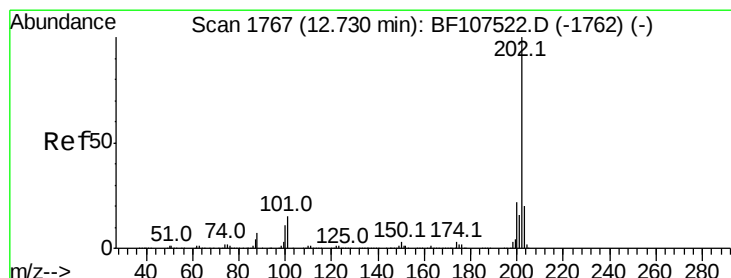
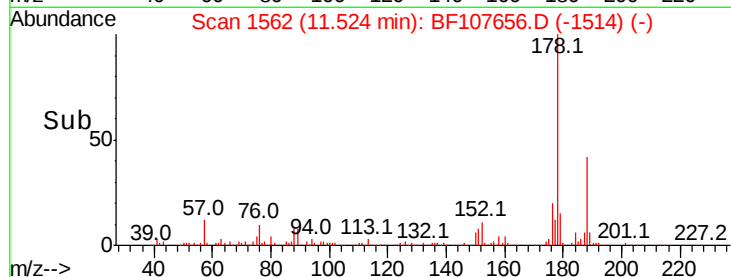
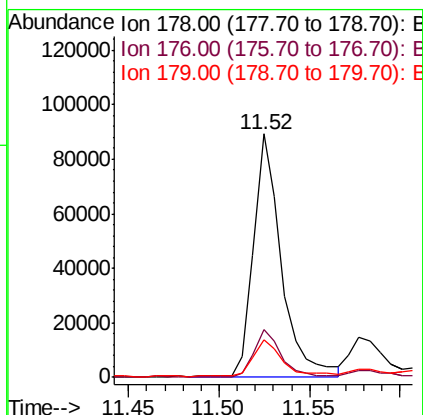
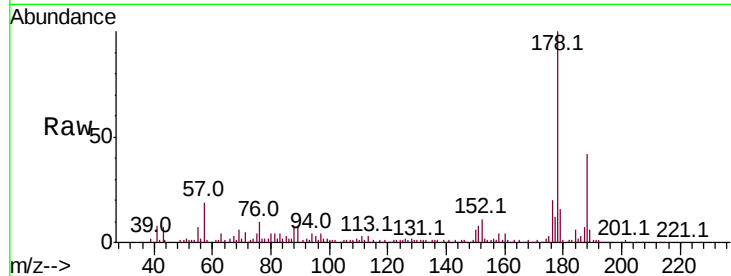
Instrument :
BNA_F
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Tot Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.8
179	15.5	13.0	19.6

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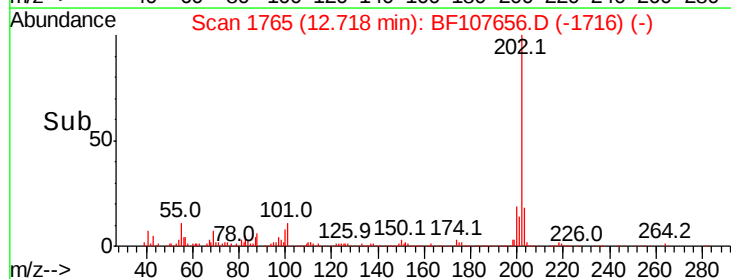
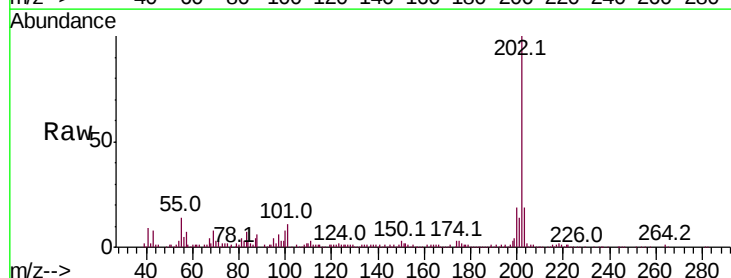
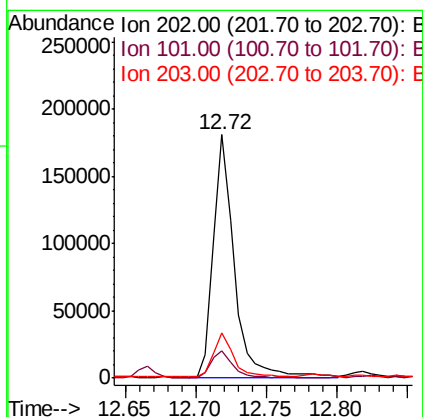
Sohil

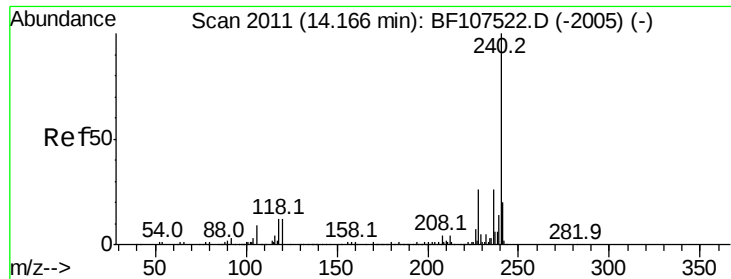
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#74
Fluoranthene
Concen: 5.350 ng
RT: 12.72 min Scan# 1765
Delta R.T. -0.01 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	34.1
203	18.7	0.0	38.1





#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

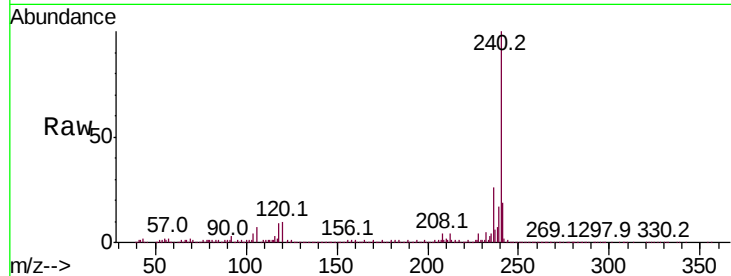
Instrument :
BNA_F
ClientSampleId :
HR-06-072418-A

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	25.8	20.7	31.1

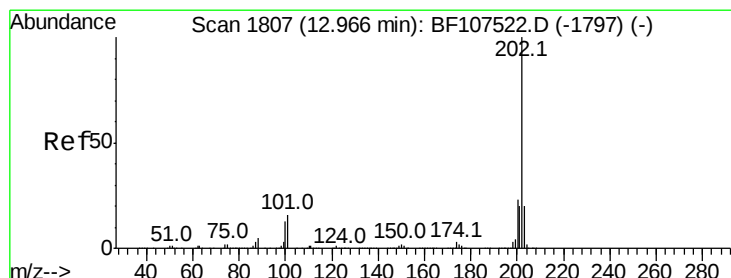
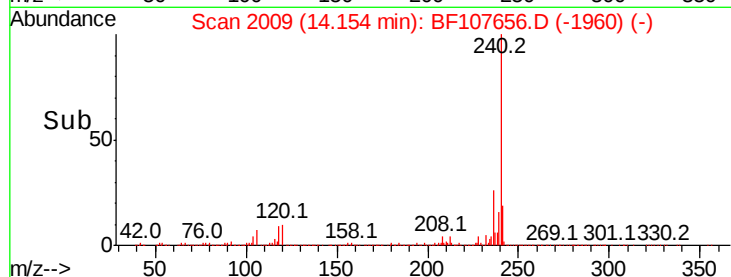
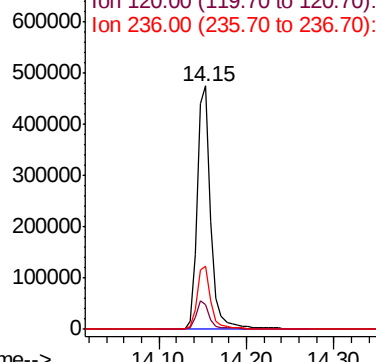
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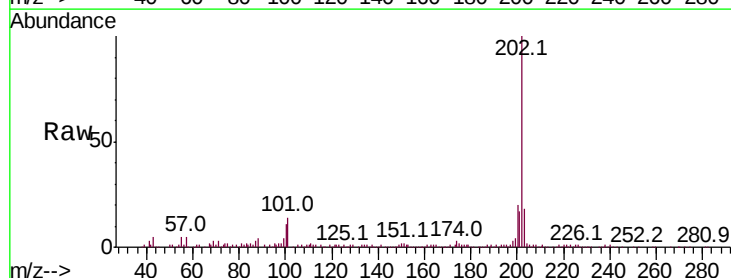


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

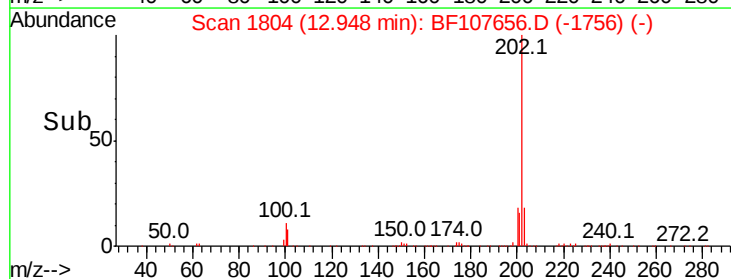
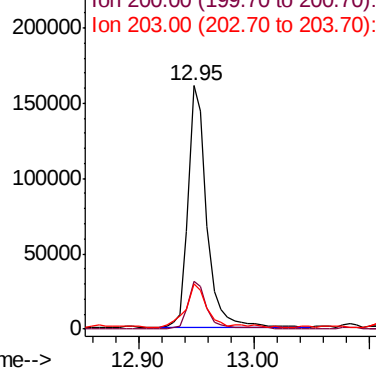


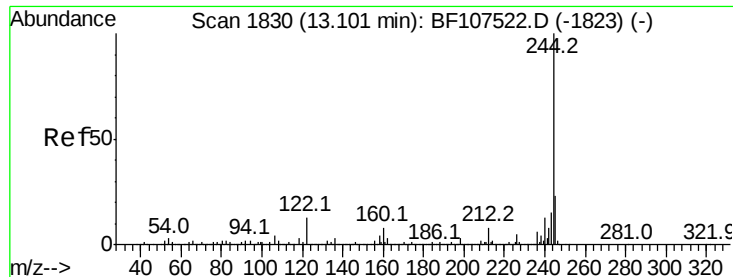
#77
Pyrene
Concen: 5.295 ng
RT: 12.95 min Scan# 1804
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.5	17.4	26.2
203	18.3	14.3	21.5



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: 35.567 ng
 RT: 13.08 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

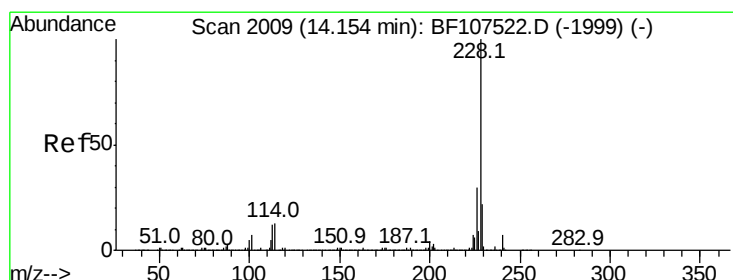
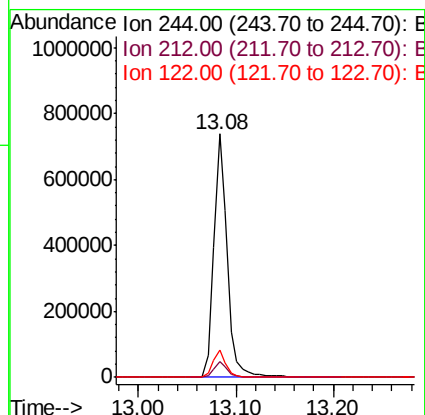
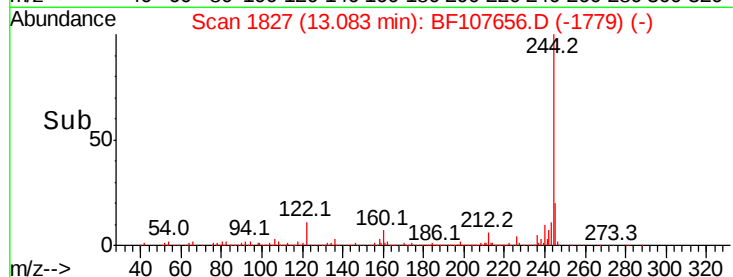
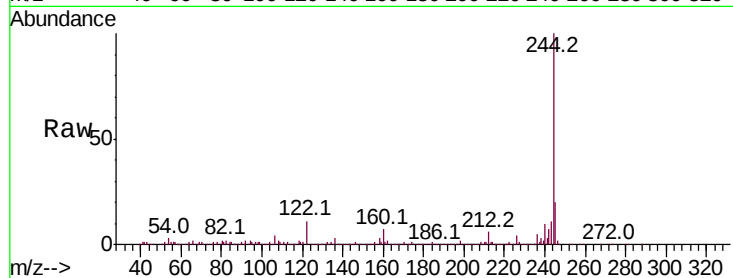
Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

Tot Ion:	244	Resp:	701690
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	11.1	11.0	16.4

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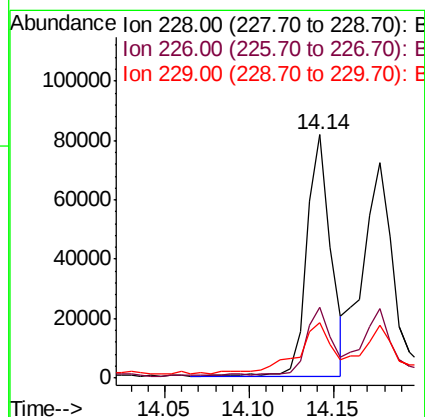
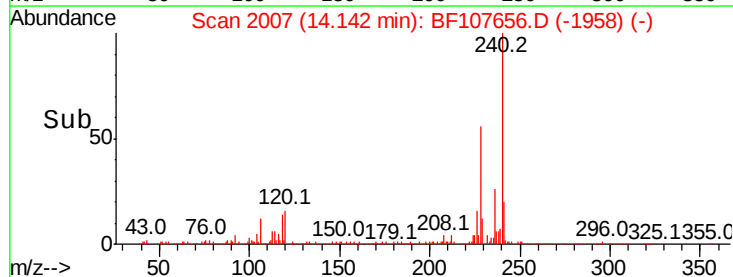
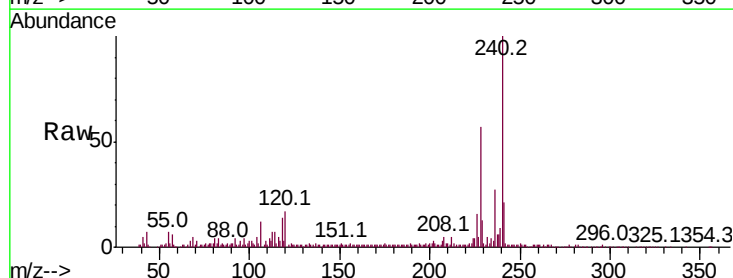
Sohil

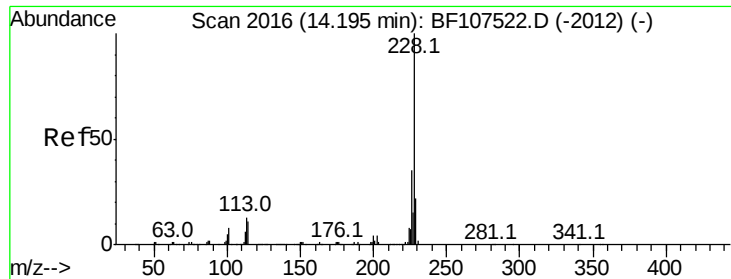
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#80
 Benzo(a)anthracene
 Concen: 2.695 ng
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.01 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Tgt Ion:	228	Resp:	79759
Ion Ratio	Lower	Upper	
228	100		
226	29.1	22.6	33.8
229	22.7	15.8	23.6





#82
Chrysene
Concen: 3.188 ng/mL
RT: 14.18 min Scan# 2013
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

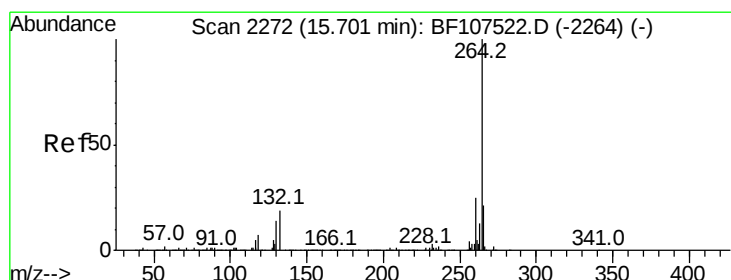
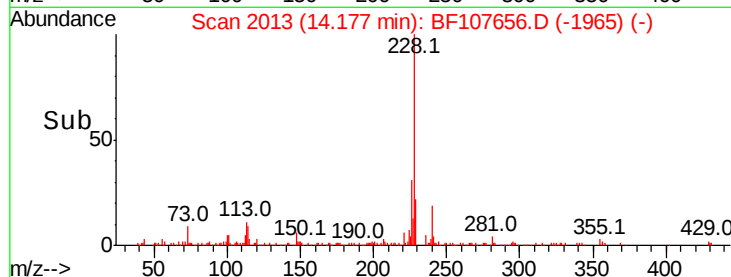
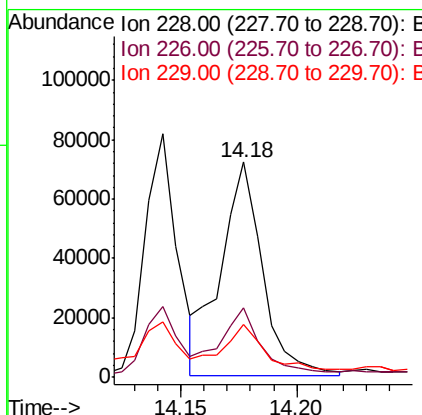
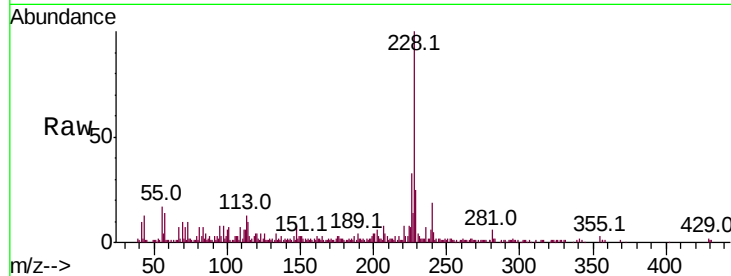
Instrument :
BNA_F
ClientSampleID :
HR-06-072418-A

Tot Ion:	228	Resp:	90646
Ion Ratio	Lower	Upper	
228	100		
226	32.5	25.0	37.6
229	24.8	16.2	24.4

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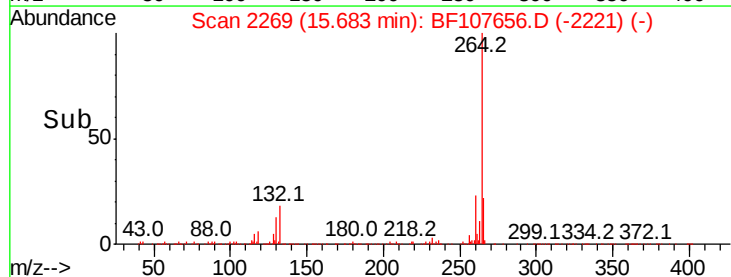
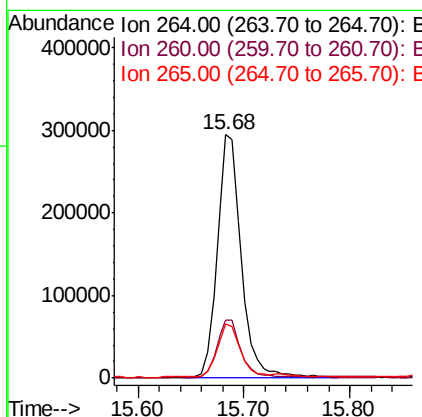
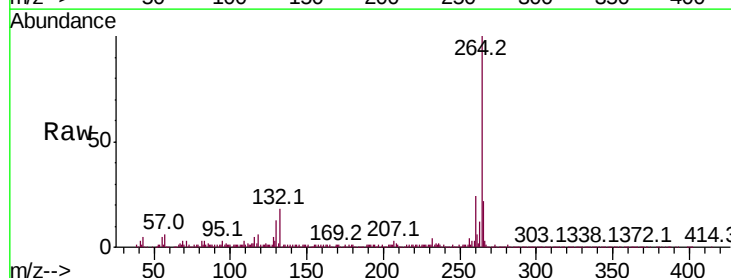
Sohil

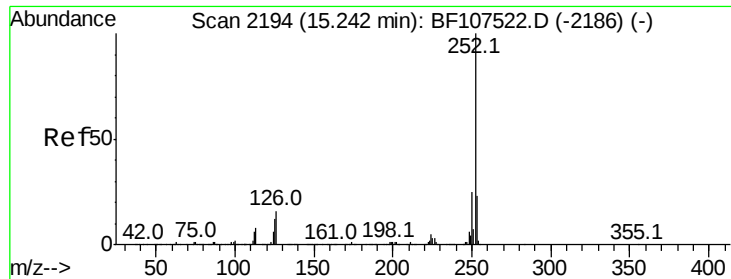
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107656.D
Acq: 25 Jul 2018 14:52

Tgt Ion:	264	Resp:	465696
Ion Ratio	Lower	Upper	
264	100		
260	23.8	19.2	28.8
265	22.4	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 3.908 ng/mL

RT: 15.22 min Scan# 2191

Delta R.T. -0.02 min

Lab File: BF107656.D

Acq: 25 Jul 2018 14:52

Instrument :

BNA_F

ClientSampleId :

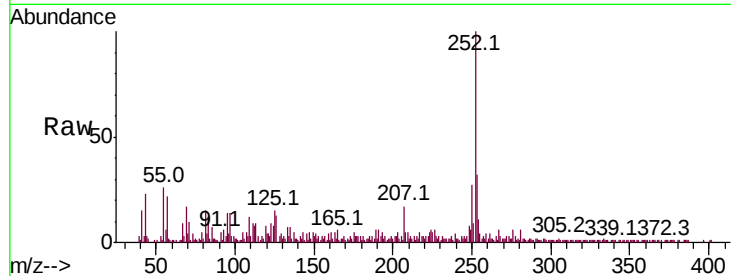
HR-06-072418-A

Tot Ion:	252	Resp:	99604
Ion Ratio	Lower	Upper	
252	100		
253	31.5	17.0	25.6#
125	15.1	9.0	13.6#

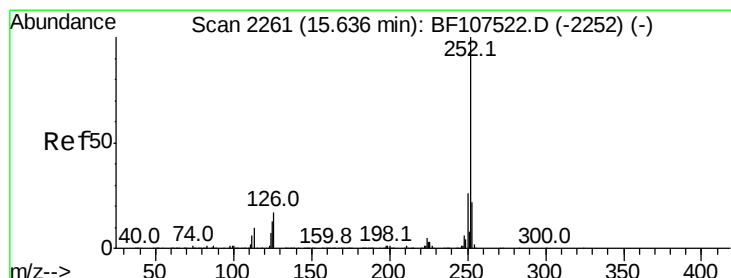
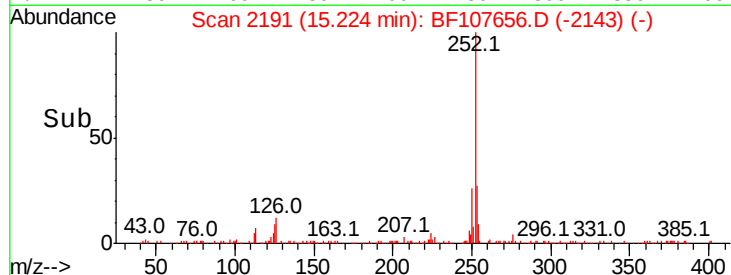
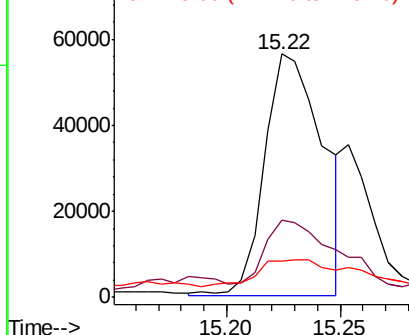
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 2.952 ng/mL

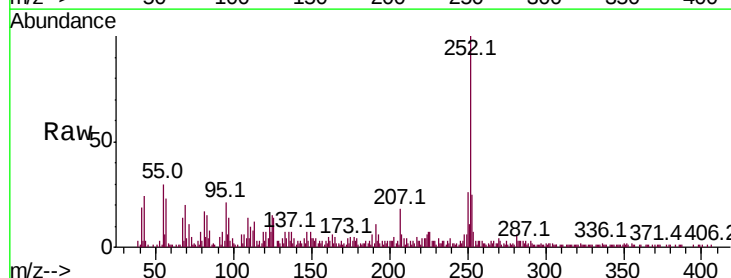
RT: 15.62 min Scan# 2258

Delta R.T. -0.02 min

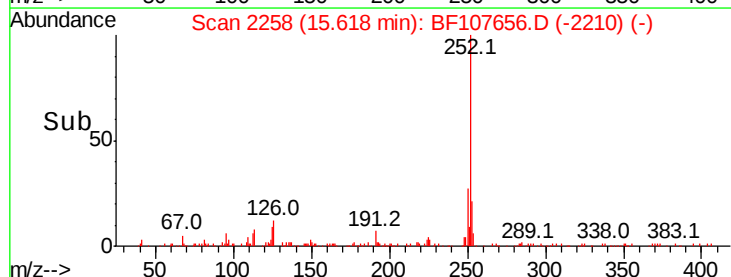
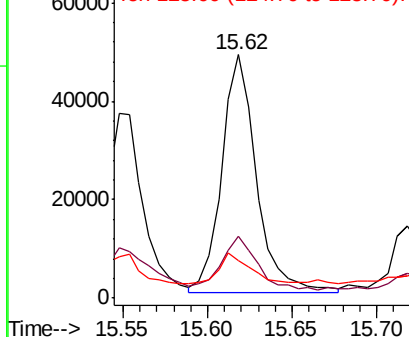
Lab File: BF107656.D

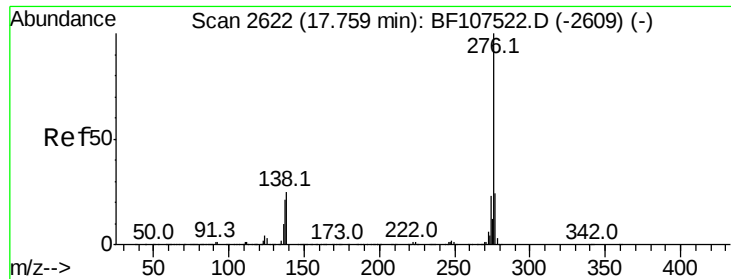
Acq: 25 Jul 2018 14:52

Tgt Ion:	252	Resp:	68826
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.1	25.7
125	15.4	9.8	14.6#



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: 2.264 ng
 RT: 17.74 min Scan# 2618
 Delta R.T. -0.02 min
 Lab File: BF107656.D
 Acq: 25 Jul 2018 14:52

Instrument :
 BNA_F
 ClientSampleId :
 HR-06-072418-A

Tot Ion	Ratio	Lower	Upper
276	100		
277	30.6	17.9	26.9#
138	23.3	21.8	32.8

Manual Integrations
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