

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
 Data File : BF107455.D
 Acq On : 17 Jul 2018 17:52
 Operator : JU/SJ
 Sample : J4012-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 FS-RT-4917

Manual Integrations
 APPROVED

Sohil
 7/18/2018 10:44:10 AM

Quant Time: Jul 18 01:30:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 17 11:29:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	138757	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	488751	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	243353	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	393505	20.00	ng	0.00
75) Chrysene-d12	14.18	240	357139	20.00	ng	0.00
86) Perylene-d12	15.72	264	220830	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	576317	63.08	ng	0.00
7) Phenol-d6	6.61	99	747658	63.30	ng	0.00
23) Nitrobenzene-d5	7.55	82	510773	55.73	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	137795	64.45	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	879280	56.63	ng	0.00
78) Terphenyl-d14	13.11	244	773863	53.84	ng	0.00
Target Compounds						
31) Naphthalene	8.29	128	66313	2.793	ng	96
49) Dimethylphthalate	9.74	163	127645	6.602	ng	# 97
57) Fluorene	10.58	166	39941	2.538	ng	# 97
70) Phenanthrene	11.55	178	419574	21.395	ng	96
71) Anthracene	11.60	178	138655m	7.099	ng	
74) Fluoranthene	12.75	202	932449	41.834	ng	93
77) Pyrene	12.98	202	848105	34.921	ng	96
80) Benzo(a)anthracene	14.17	228	500153	22.888	ng	97
82) Chrysene	14.21	228	461978	22.132	ng	95
85) Indeno(1,2,3-cd)pyrene	17.29	276	159104	10.708	ng	# 89
87) Benzo(b)fluoranthene	15.26	252	459551m	35.554	ng	
88) Benzo(k)fluoranthene	15.28	252	136748m	10.841	ng	
89) Benzo(a)pyrene	15.65	252	282816m	23.839	ng	
90) Dibenzo(a,h)anthracene	17.31	278	39824	4.448	ng	# 77
91) Benzo(a,h,i)perylene	17.78	276	153997	16.927	ng	# 92

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

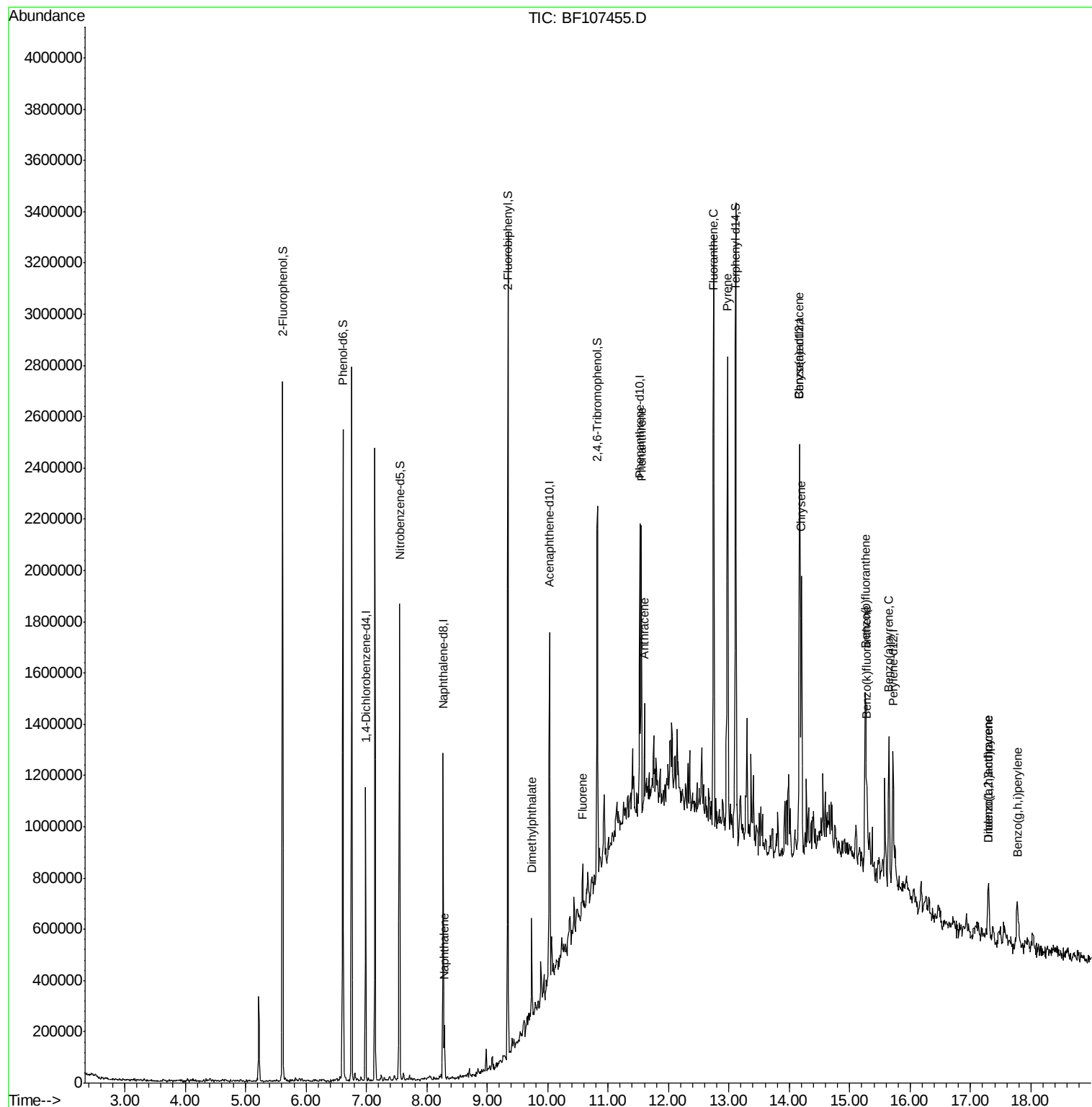
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071718\
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ALS Vial : 20 Sample Multiplier: 1

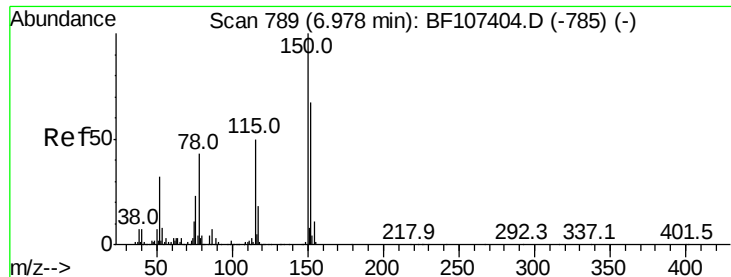
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

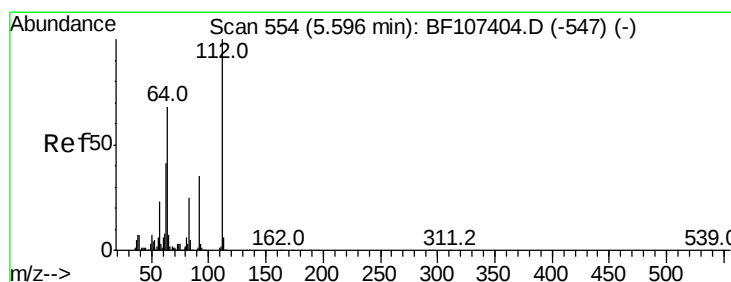
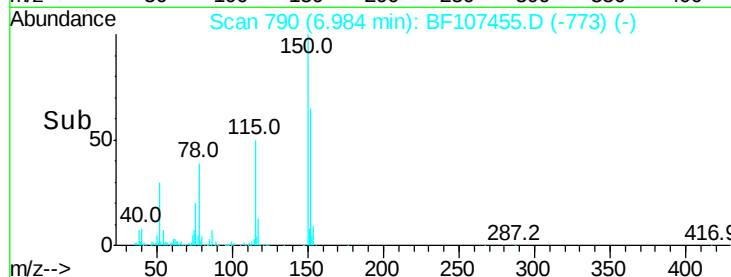
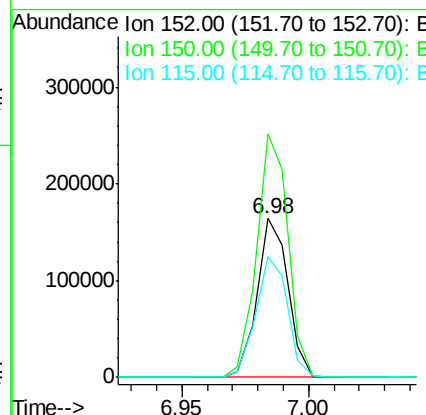
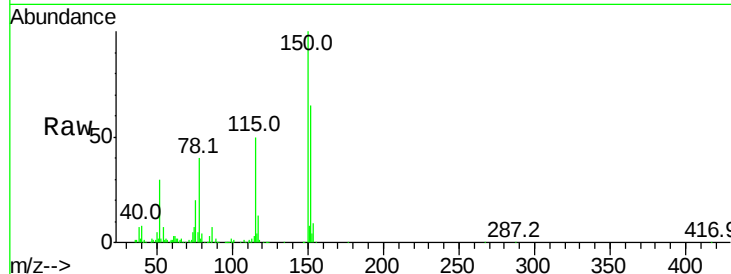
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.00 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Instrument :
BNA_F
ClientSampleId :
FS-RT-4917

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.6	186.8
115	75.8	50.1	75.1#

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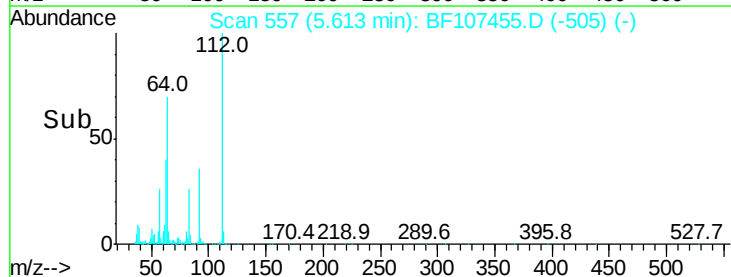
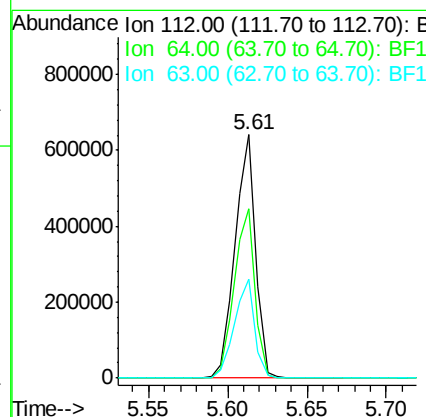
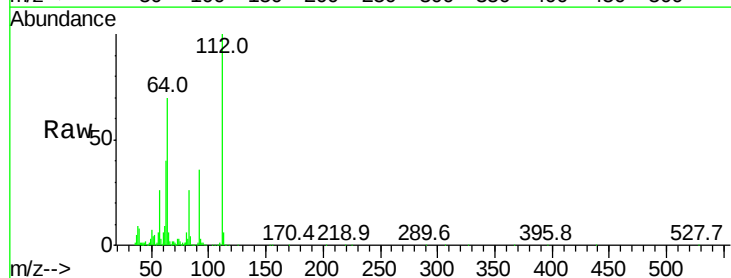
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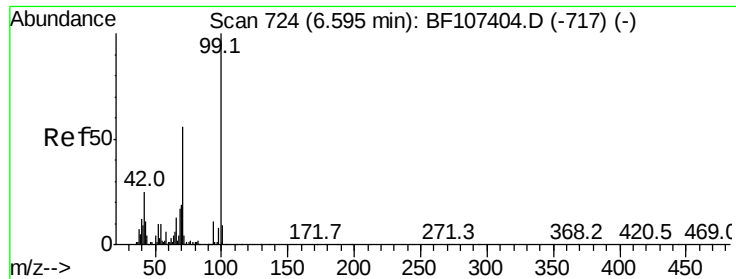


#5

2-Fluorophenol
Concen: 63.080 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.01 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.8	47.9	71.9
63	40.5	23.7	35.5#





#7

Phenol-d6

Concen: 63.295 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Instrument :

BNA_F

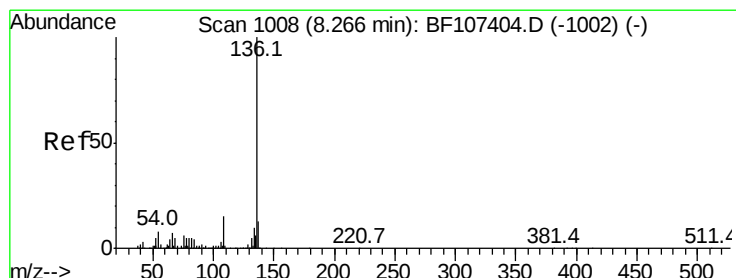
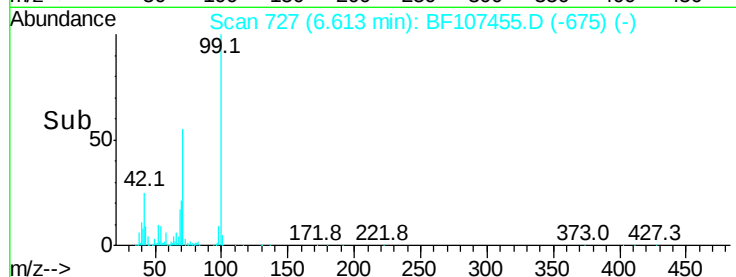
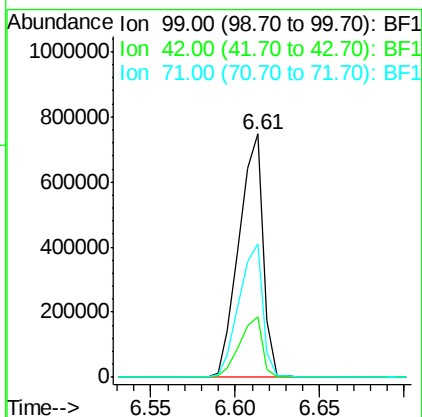
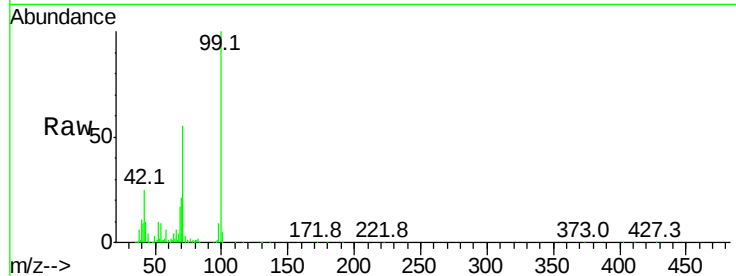
ClientSampleId :

FS-RT-4917

Tot Ion	99	Resp	747658
Ion Ratio	Lower	Upper	
99	100		
42	25.0	14.5	21.7#
71	54.7	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

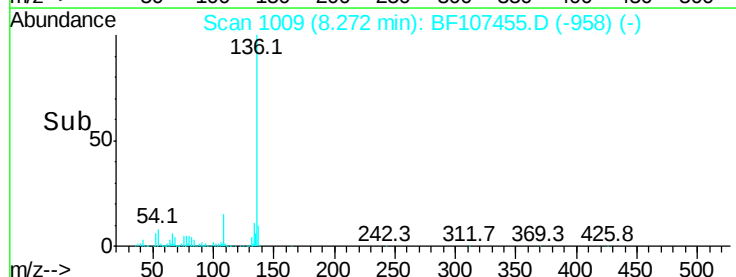
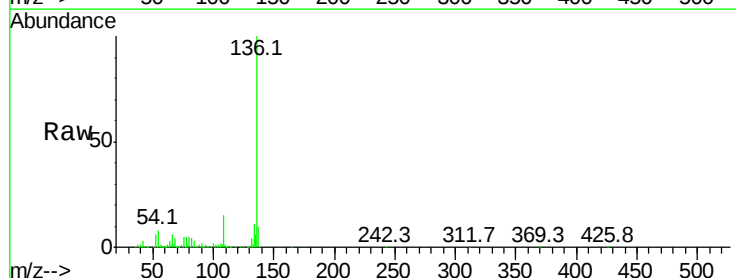
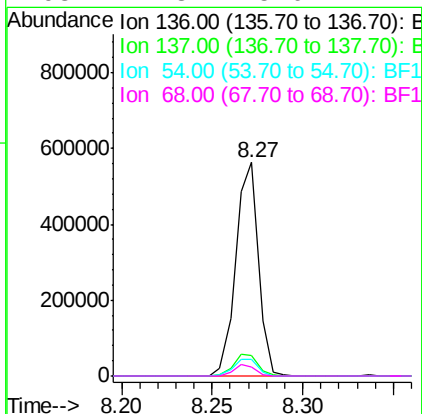
RT: 8.27 min Scan# 1009

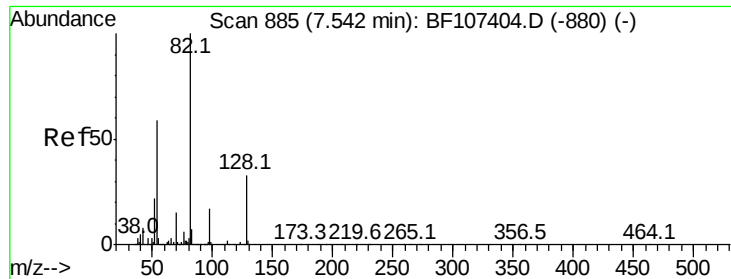
Delta R.T. 0.00 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Tgt Ion	136	Resp	488751
Ion Ratio	Lower	Upper	
136	100		
137	9.5	8.9	13.3
54	8.0	6.6	9.8
68	4.3	5.0	7.4#





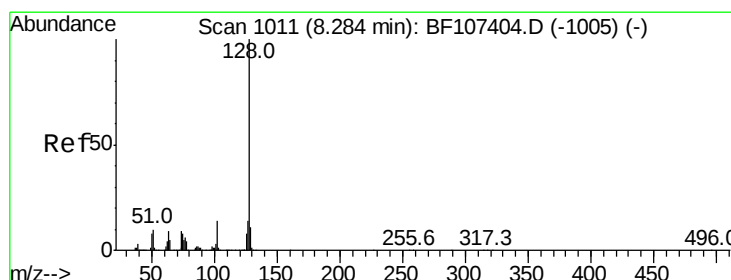
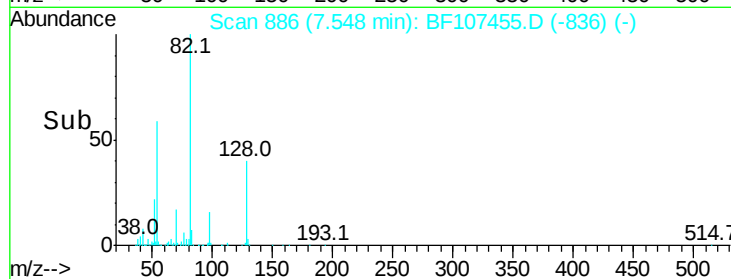
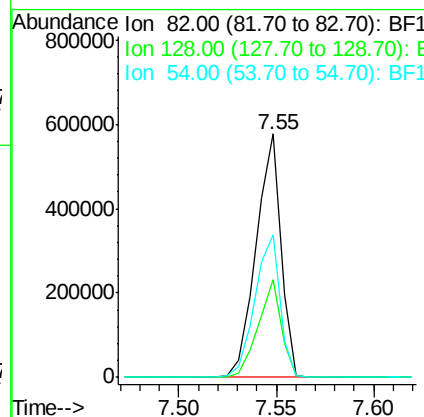
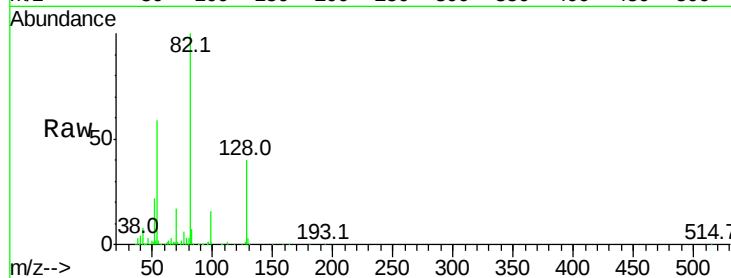
#23
Nitrobenzene-d5
Concen: 55.727 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Instrument :
BNA_F
ClientSampleId :
FS-RT-4917

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	39.9	36.1	54.1
54	58.8	41.4	62.2

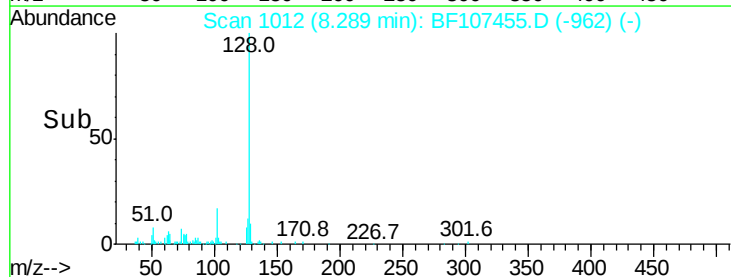
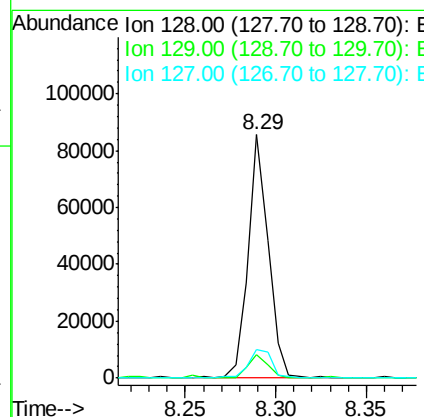
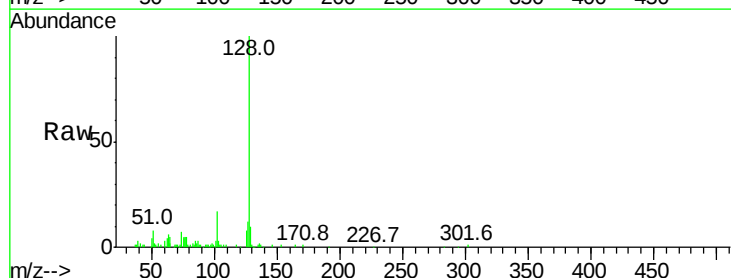
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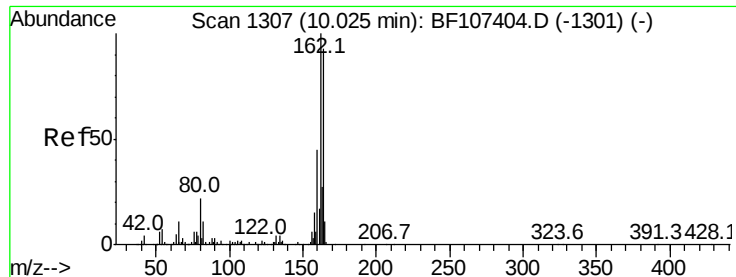
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#31
Naphthalene
Concen: 2.793 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	9.6	8.8	13.2
127	12.0	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.03 min Scan# 1308

Delta R.T. 0.00 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Instrument :

BNA_F

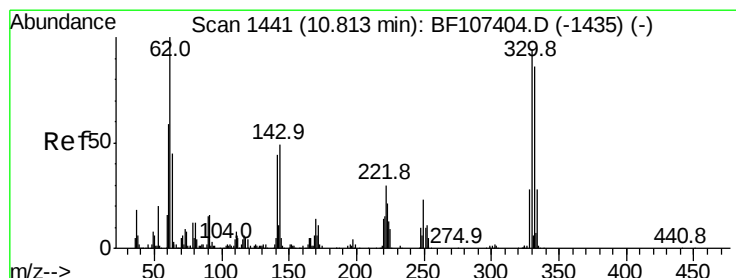
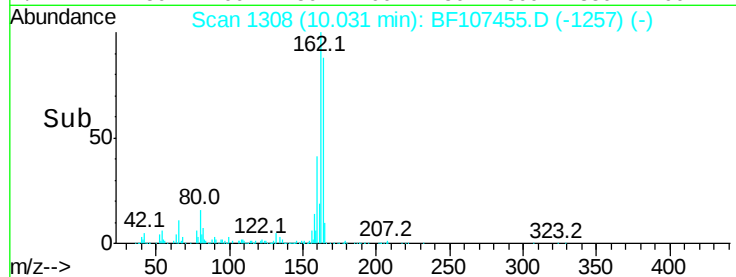
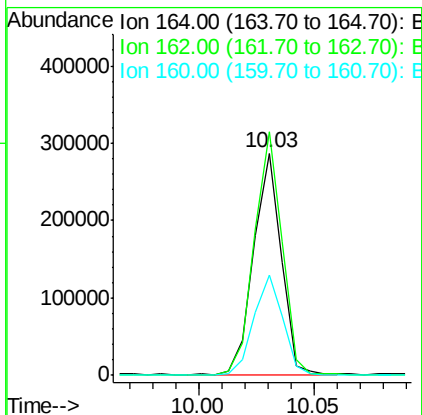
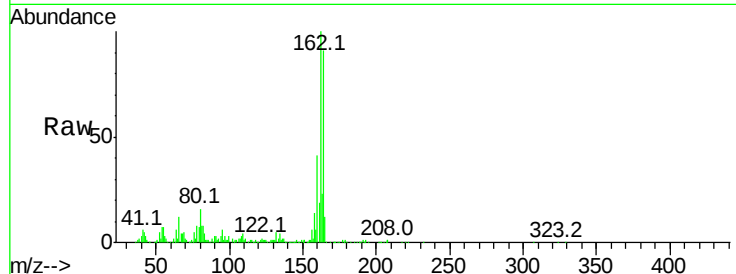
ClientSampleId :

FS-RT-4917

Tot Ion:	164	Resp:	243353
Ion Ratio	Lower	Upper	
164	100		
162	109.7	86.1	129.1
160	45.2	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 64.446 ng

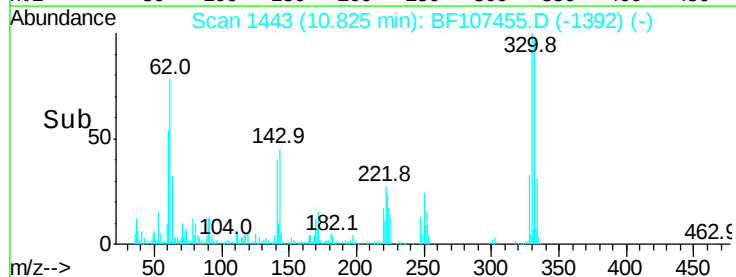
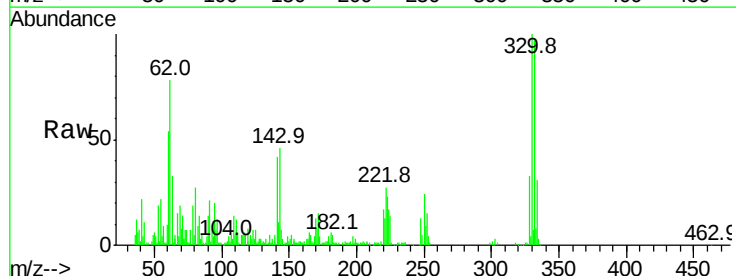
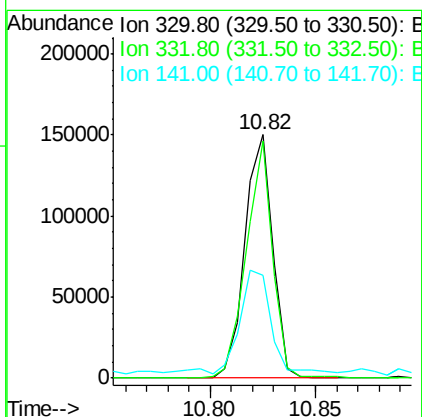
RT: 10.82 min Scan# 1443

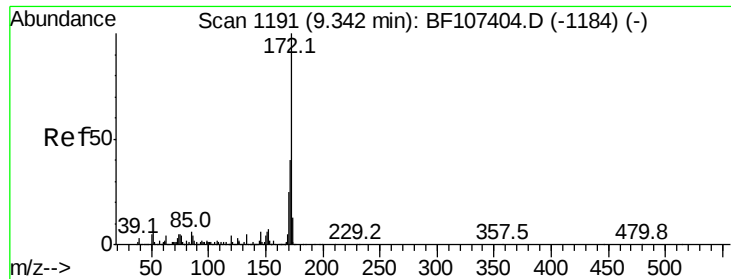
Delta R.T. 0.00 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Tgt Ion:	330	Resp:	137795
Ion Ratio	Lower	Upper	
330	100		
332	92.2	77.0	115.6
141	51.4	29.9	44.9#





#44

2-Fluorobiphenyl

Concen: 56.626 ng

RT: 9.34 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Instrument :

BNA_F

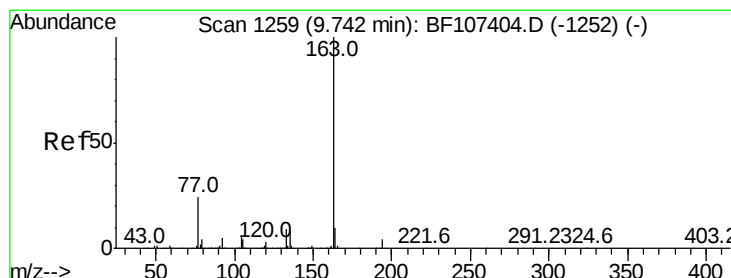
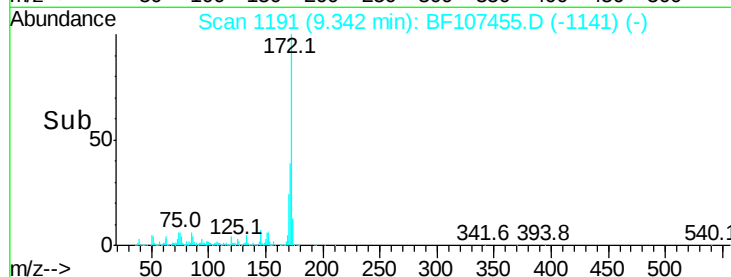
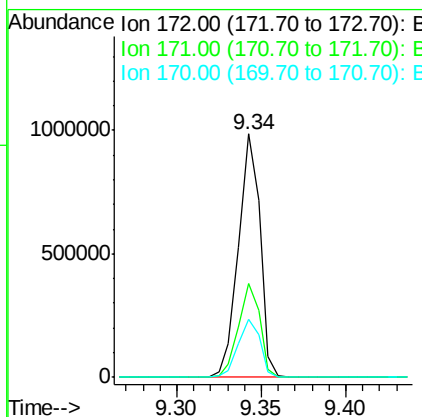
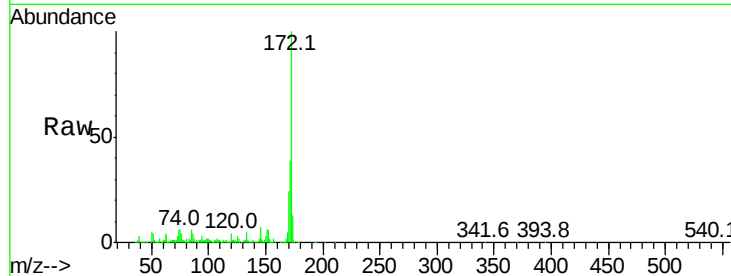
ClientSampleId :

FS-RT-4917

Tot Ion:	172	Resp:	879280
Ion Ratio	Lower	Upper	
172	100		
171	38.7	29.7	44.5
170	23.8	19.6	29.4

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#49

Dimethylphthalate

Concen: 6.602 ng

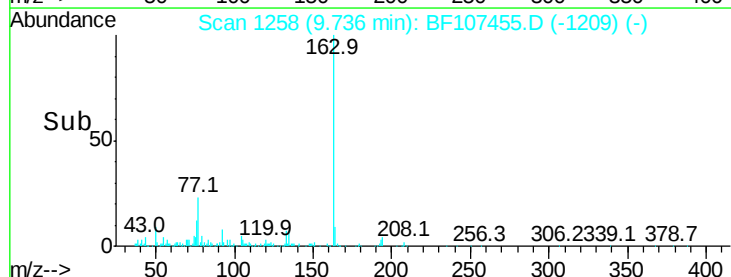
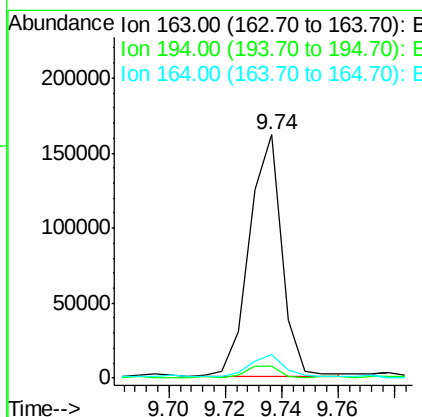
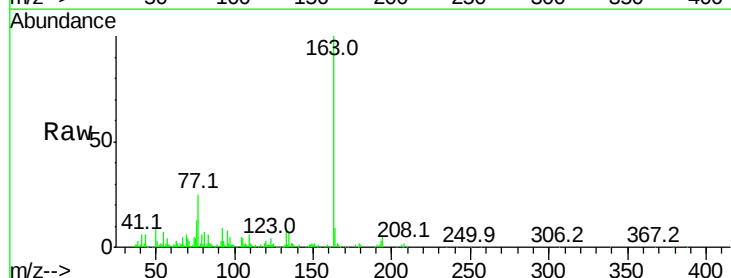
RT: 9.74 min Scan# 1258

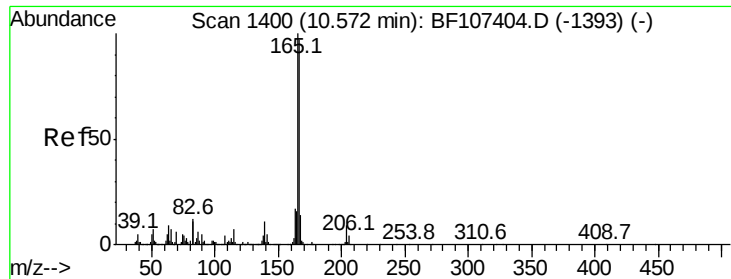
Delta R.T. -0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Tgt Ion:	163	Resp:	127645
Ion Ratio	Lower	Upper	
163	100		
194	5.1	2.7	4.1#
164	9.4	8.2	12.2





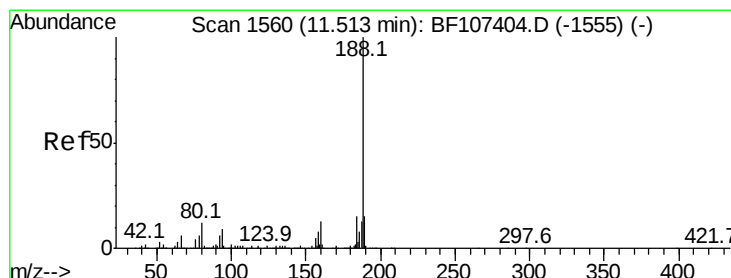
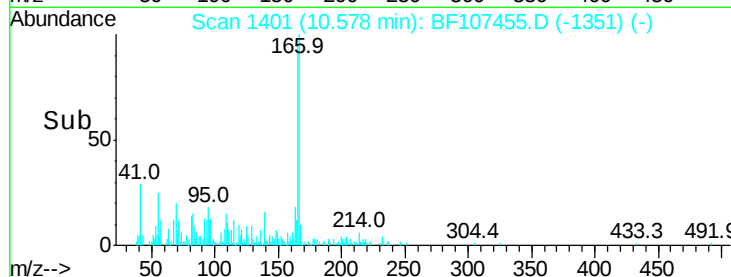
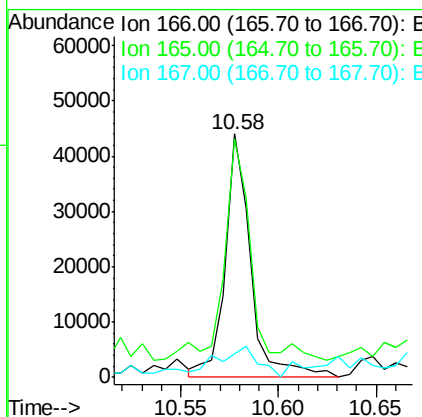
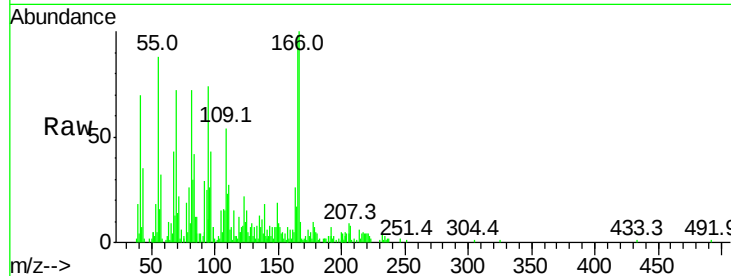
#57
Fluorene
 Concen: 2.538 ng
 RT: 10.58 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF107455.D
 Acq: 17 Jul 2018 17:52

Instrument :
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 ClientSampleId :
 FS-RT-4917

Tot Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	9.7	10.6	16.0#

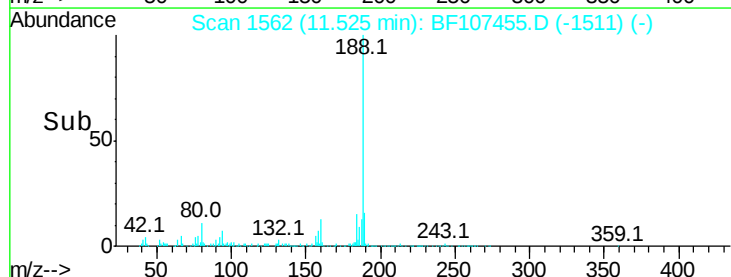
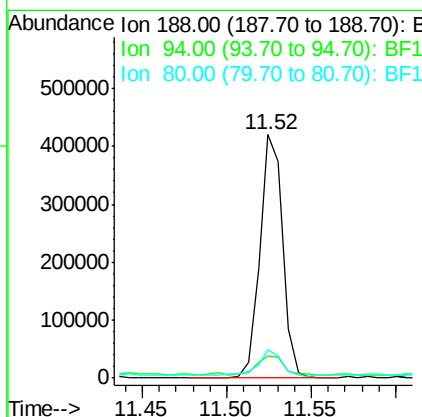
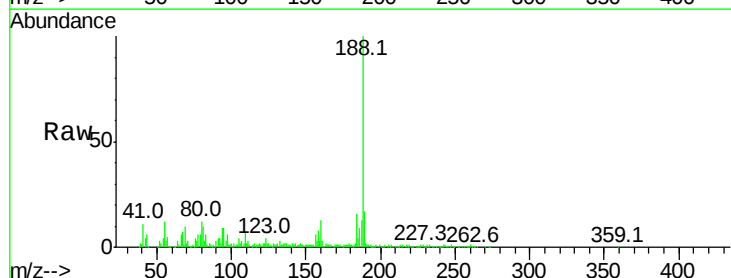
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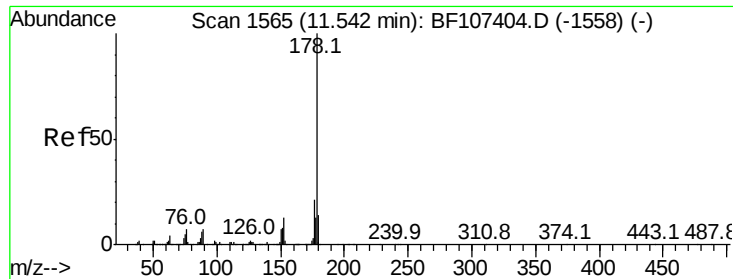
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF107455.D
 Acq: 17 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	8.5	12.7
80	11.8	9.2	13.8





#70

Phenanthrene

Concen: 21.395 ng

RT: 11.55 min Scan# 1567

Delta R.T. 0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Instrument :

BNA_F

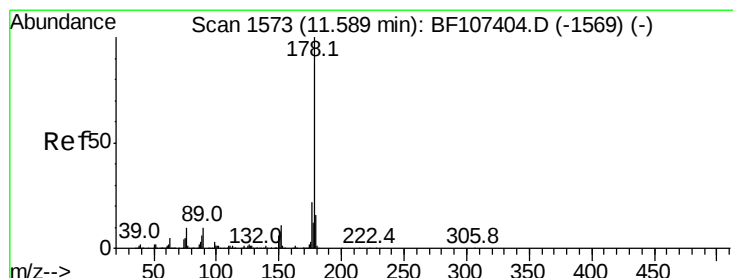
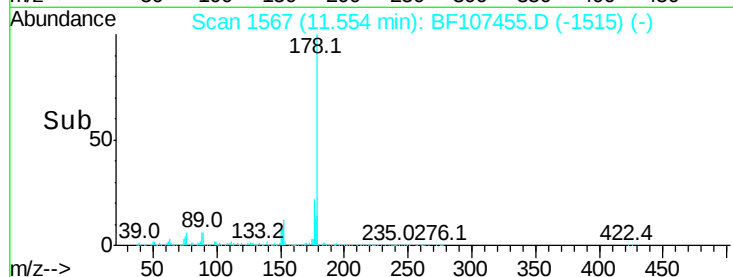
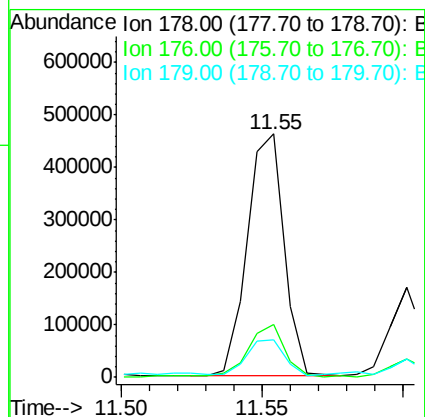
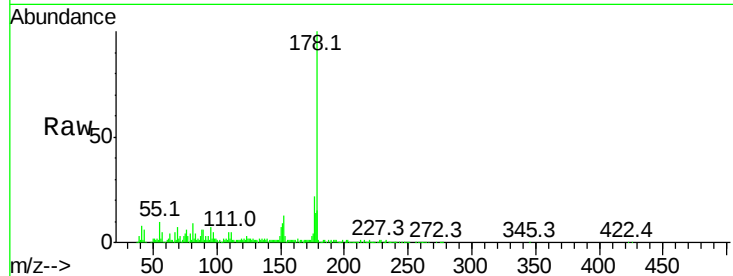
ClientSampleId :

FS-RT-4917

Tot Ion:178	Resp:	419574
Ion Ratio	Lower	Upper
178	100	
176	21.8	15.8 23.8
179	15.2	13.0 19.6

Manual Integrations
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#71

Anthracene

Concen: 7.099 ng m

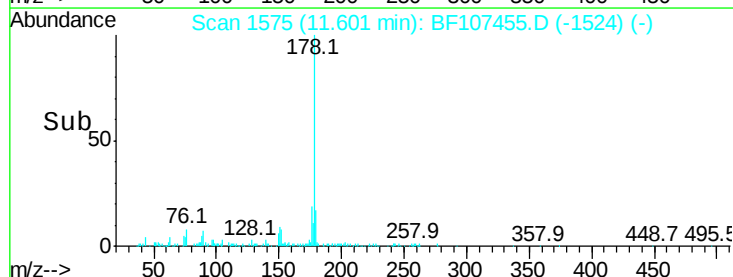
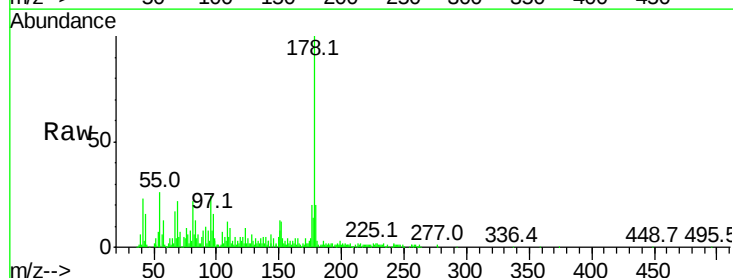
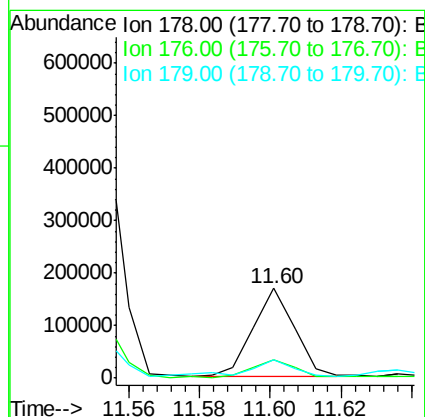
RT: 11.60 min Scan# 1575

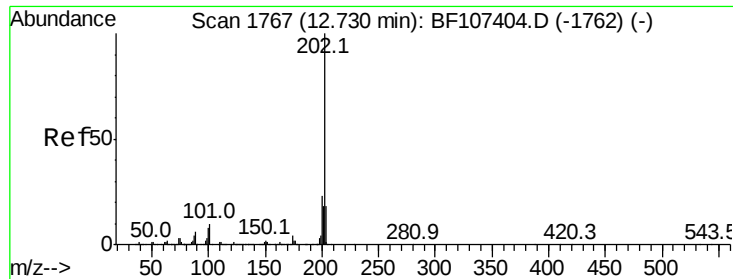
Delta R.T. 0.00 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Tgt Ion:178	Resp:	138655
Ion Ratio	Lower	Upper
178	100	
176	19.9	15.4 23.2
179	19.8	12.6 19.0#





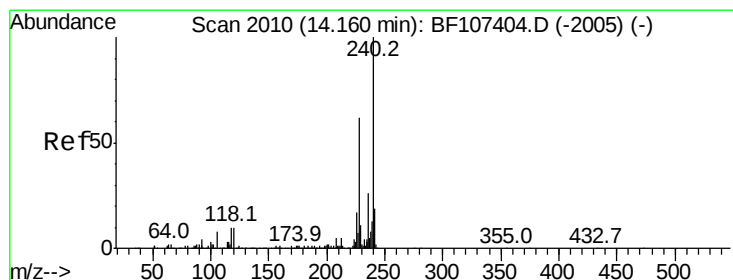
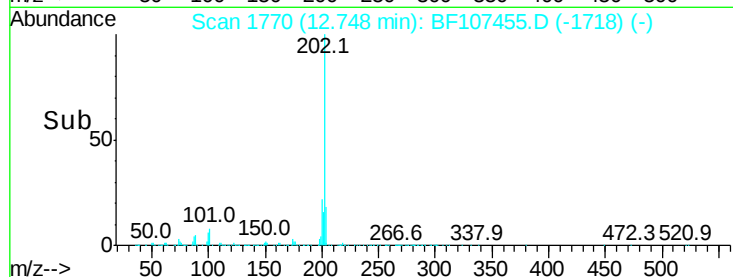
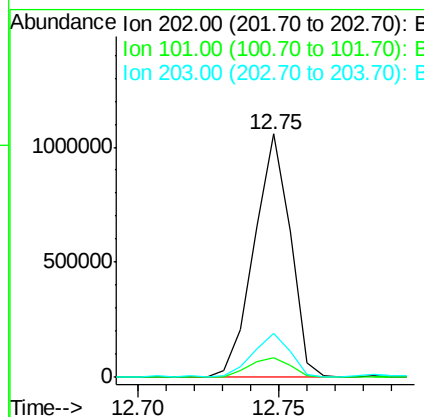
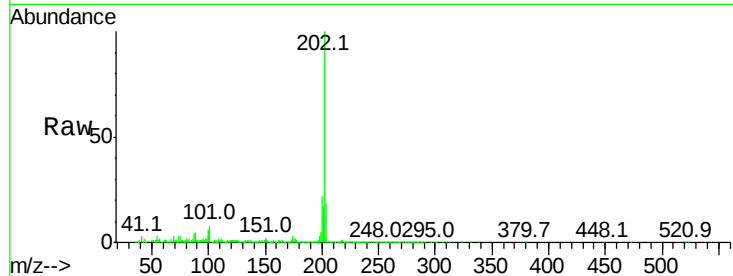
#74
 Fluoranthene
 Concen: 41.834 ng
 RT: 12.75 min Scan# 1770
 Delta R.T. 0.01 min
 Lab File: BF107455.D
 Acq: 17 Jul 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 FS-RT-4917

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.1	0.0	34.1
203	17.9	0.0	38.1

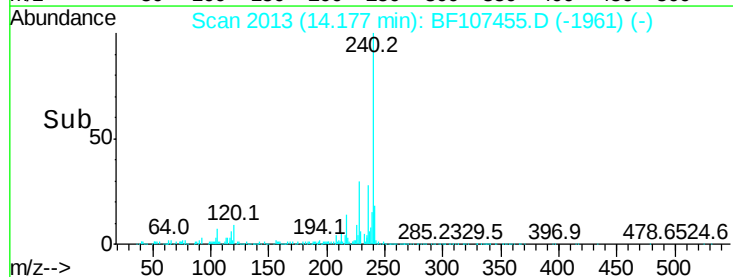
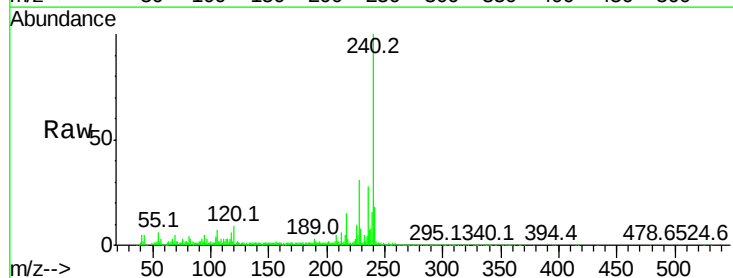
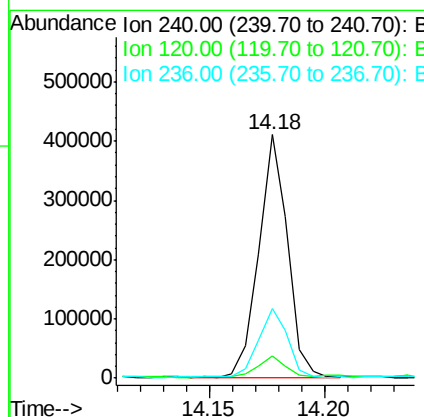
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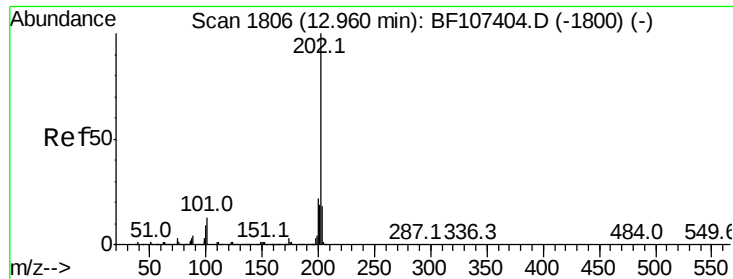
Sohil
 7/18/2018 10:44:10 AM



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.18 min Scan# 2013
 Delta R.T. 0.01 min
 Lab File: BF107455.D
 Acq: 17 Jul 2018 17:52

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.9	9.5	14.3#
236	28.5	20.7	31.1





#77

Pvrene

Concen: 34.921 ng

RT: 12.98 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Instrument :

BNA_F

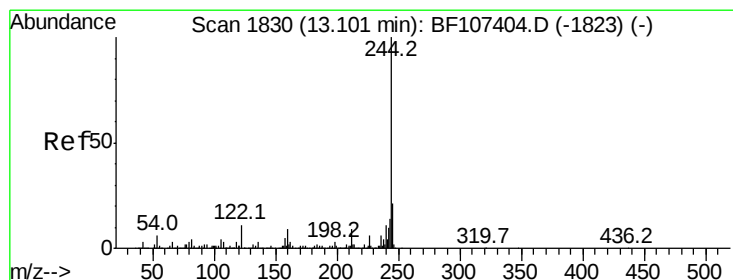
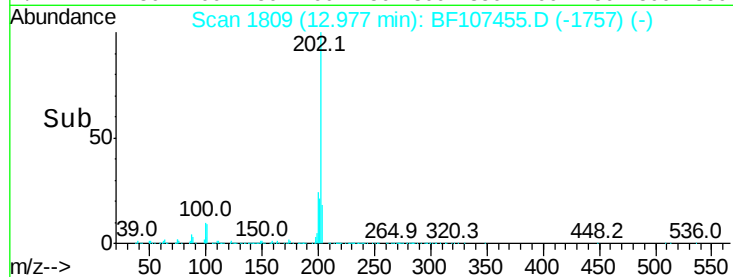
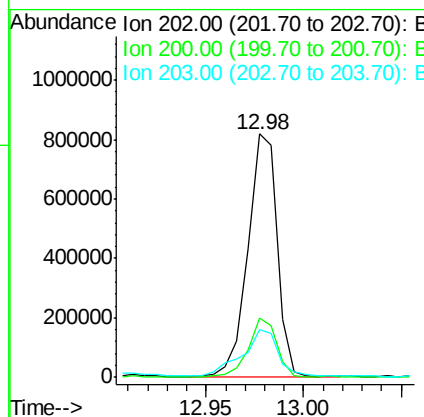
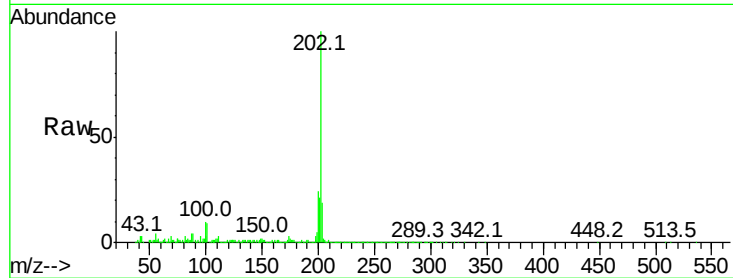
ClientSampleId :

FS-RT-4917

Tot Ion:	202	Resp:	848105
Ion Ratio	Lower	Upper	
202	100		
200	24.2	17.4	26.2
203	19.4	14.3	21.5

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#78

Terphenyl-d14

Concen: 53.837 ng

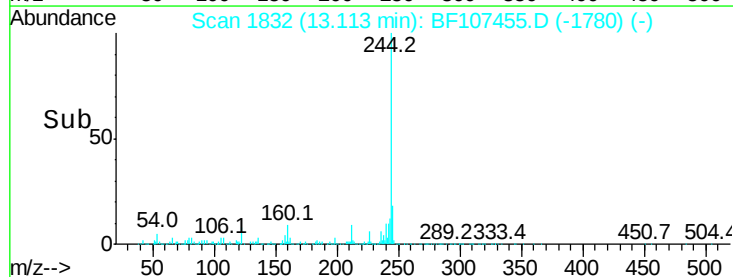
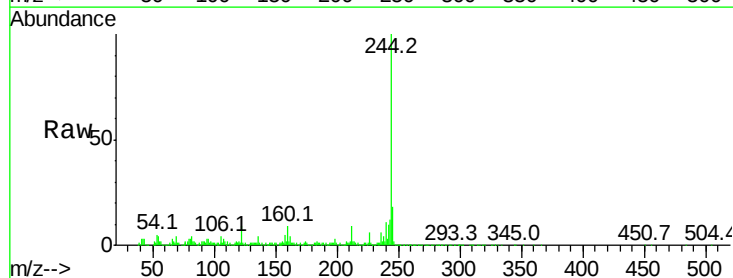
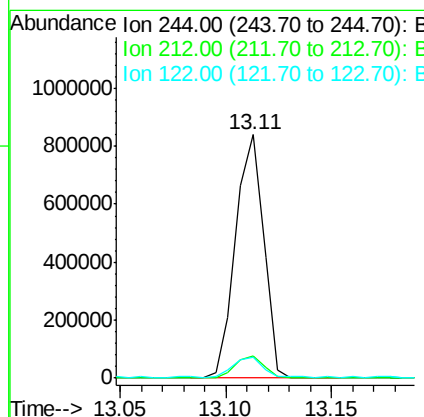
RT: 13.11 min Scan# 1832

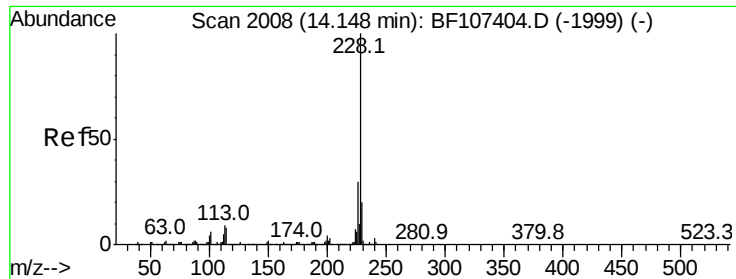
Delta R.T. 0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Tgt Ion:	244	Resp:	773863
Ion Ratio	Lower	Upper	
244	100		
212	9.4	5.4	8.0#
122	8.6	11.0	16.4#





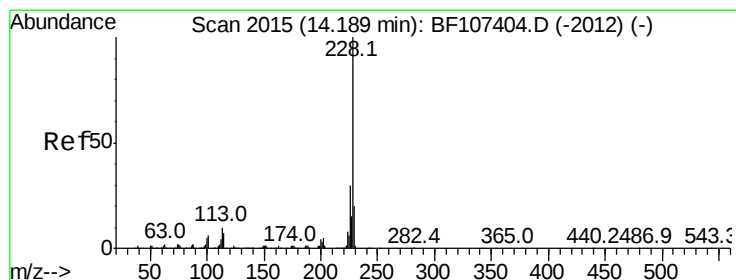
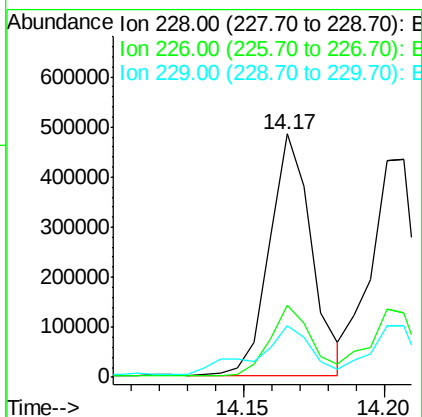
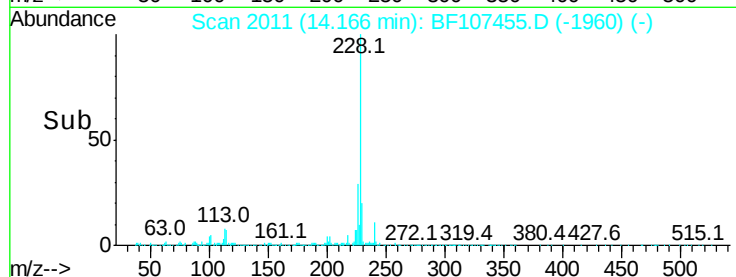
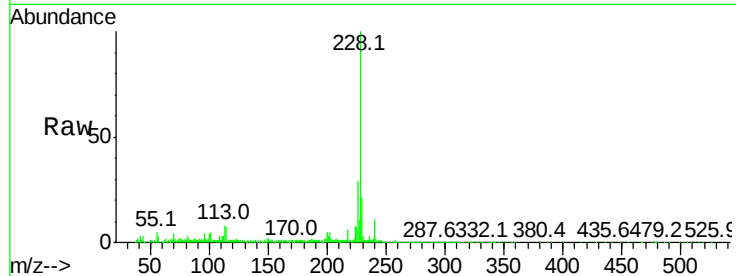
#80
Benzo(a)anthracene
Concen: 22.888 ng
RT: 14.17 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Instrument :
BNA_F
ClientSampleId :
FS-RT-4917

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	21.1	15.8	23.6

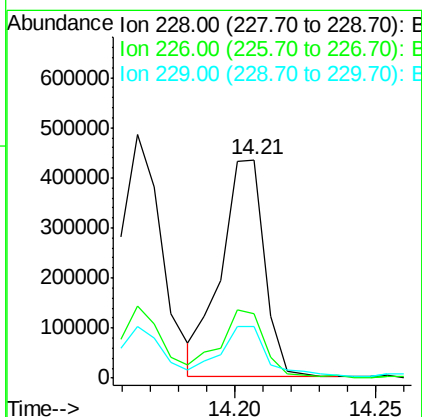
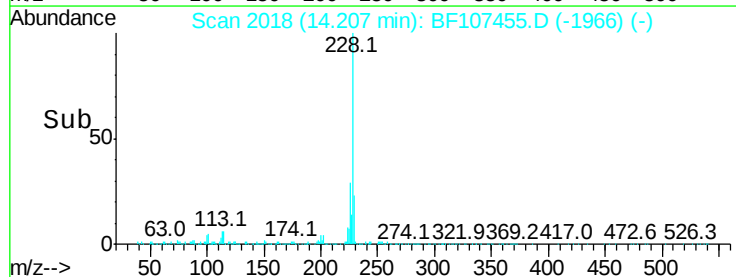
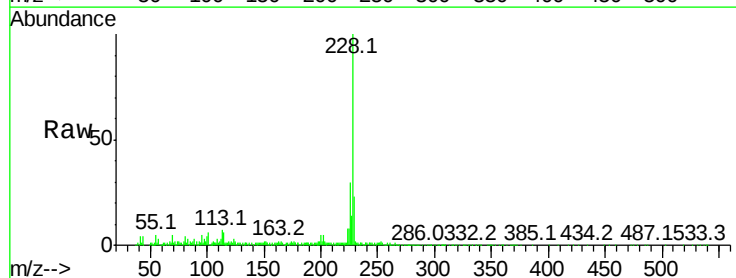
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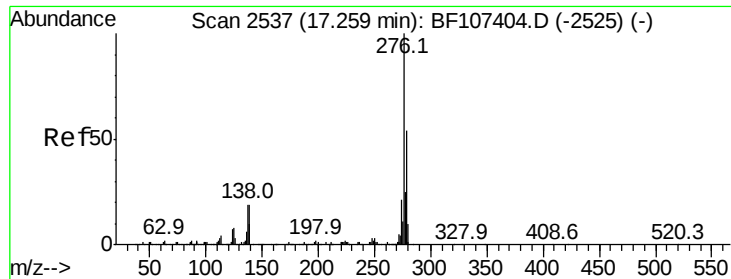
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#82
Chrysene
Concen: 22.132 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.01 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	23.4	16.2	24.4





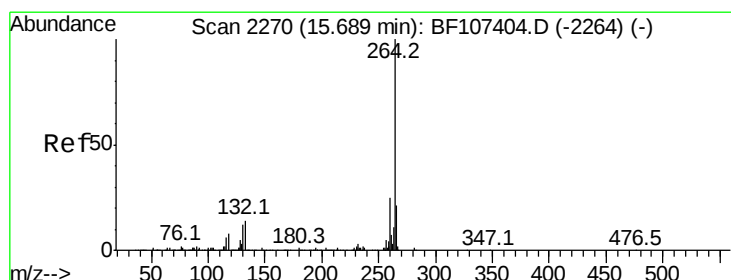
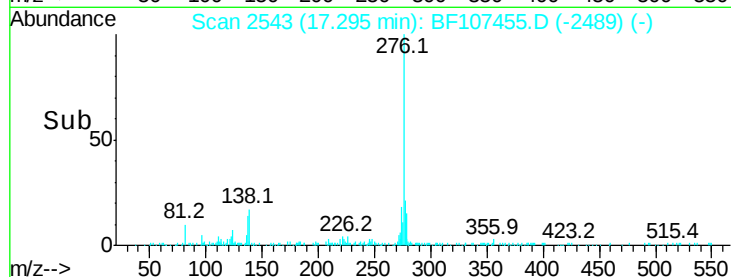
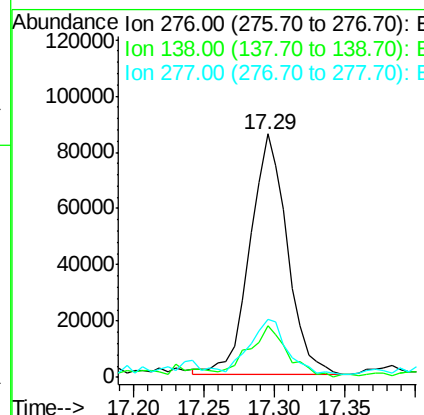
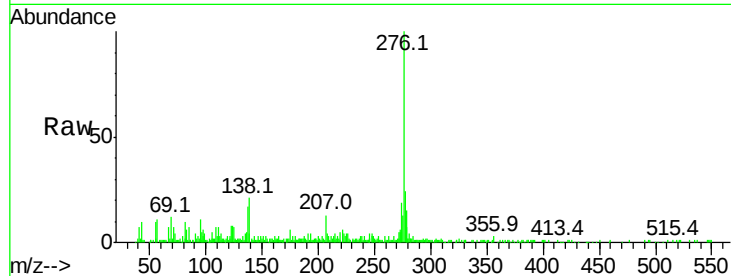
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.708 ng
RT: 17.29 min Scan# 2543
Delta R.T. 0.02 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Instrument :
BNA_F
ClientSampleId :
FS-RT-4917

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.2	25.0	37.6#
277	23.2	20.1	30.1

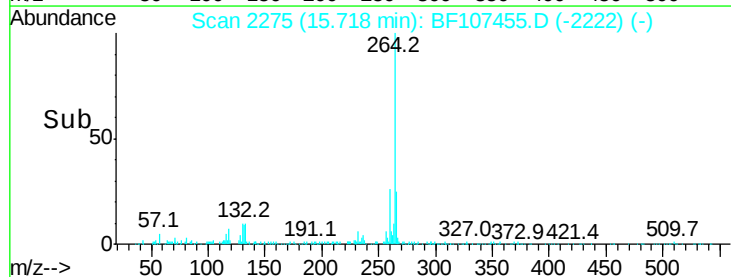
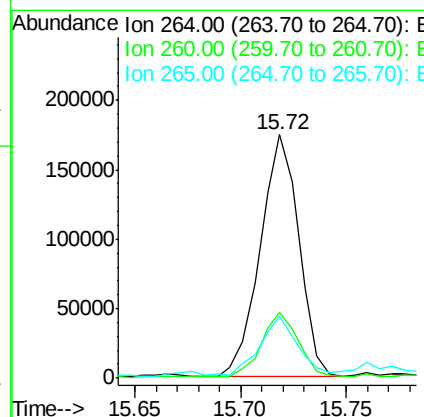
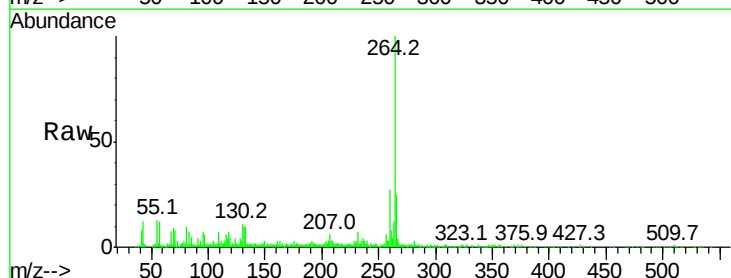
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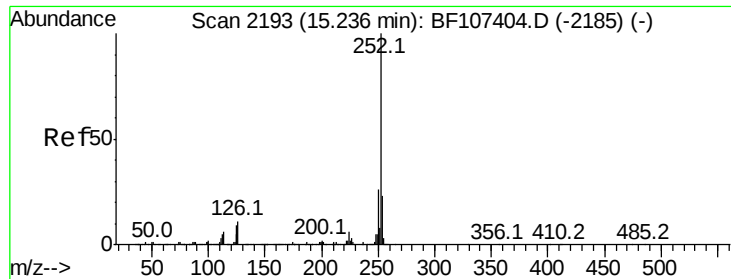
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2275
Delta R.T. 0.01 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.9	19.2	28.8
265	25.4	17.5	26.3





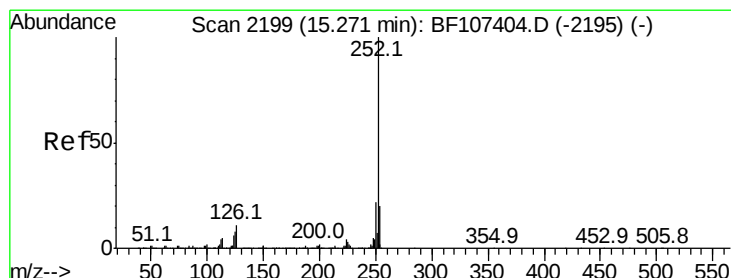
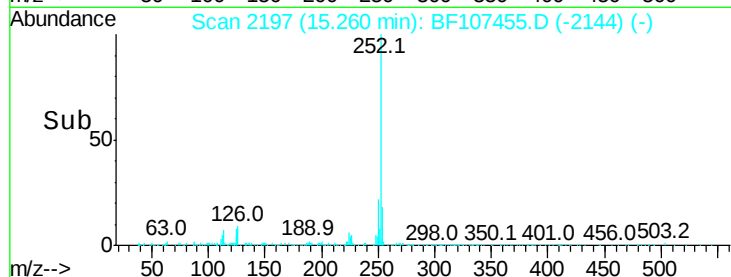
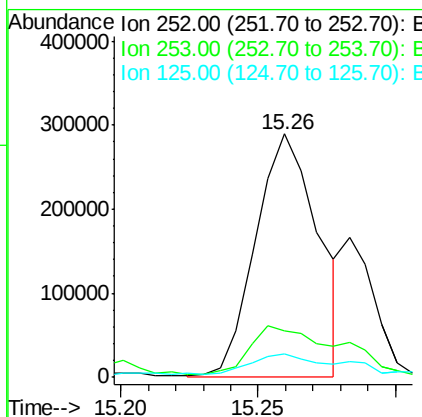
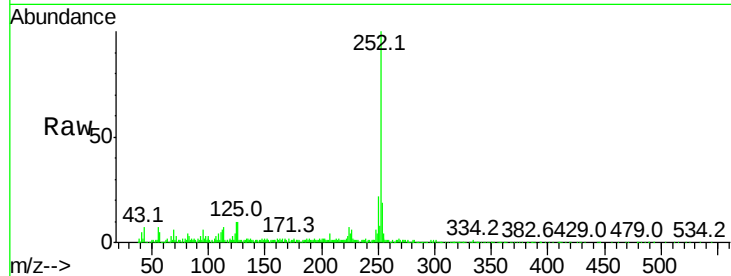
#87
Benzo(b)fluoranthene
Concen: 35.554 ng m
RT: 15.26 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Instrument :
BNA_F
ClientSampleId :
FS-RT-4917

Tot Ion	Ratio	Lower	Upper
252	100		
253	19.2	17.0	25.6
125	9.8	9.0	13.6

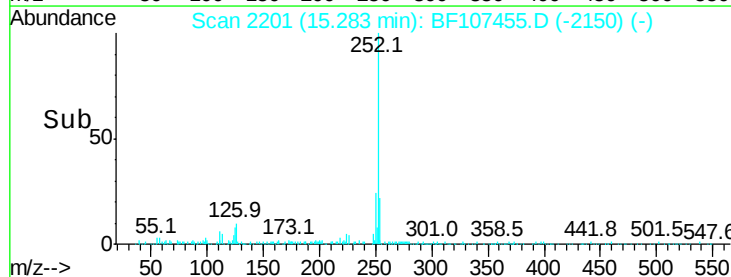
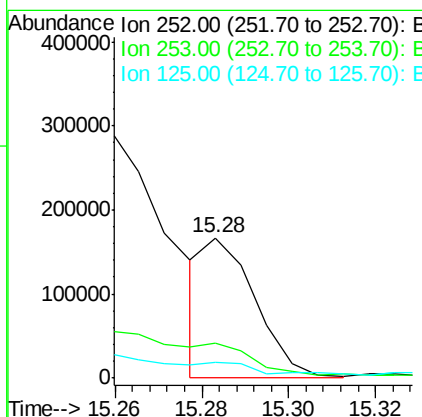
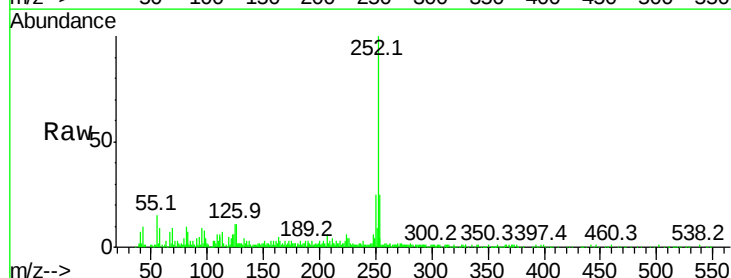
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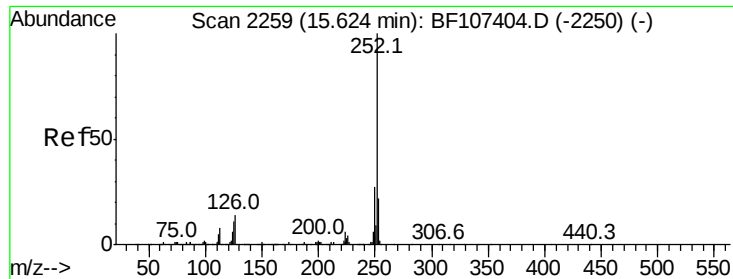
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#88
Benzo(k)fluoranthene
Concen: 10.841 ng m
RT: 15.28 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BF107455.D
Acq: 17 Jul 2018 17:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.9	26.9
125	11.0	10.2	15.2





#89

Benzo(a)pyrene

Concen: 23.839 ng/mL

RT: 15.65 min Scan# 2263

Delta R.T. 0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Instrument :

BNA_F

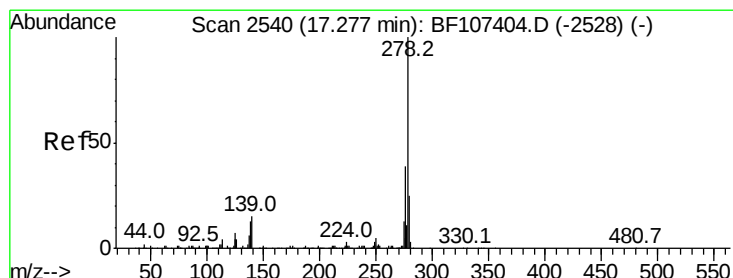
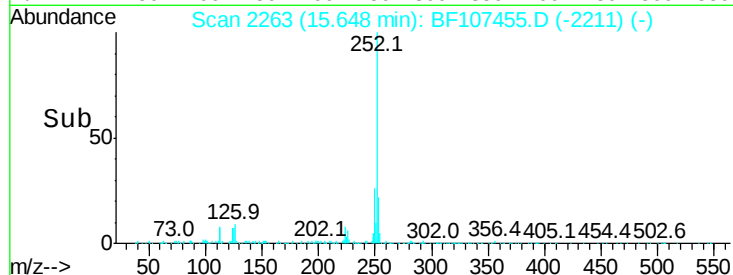
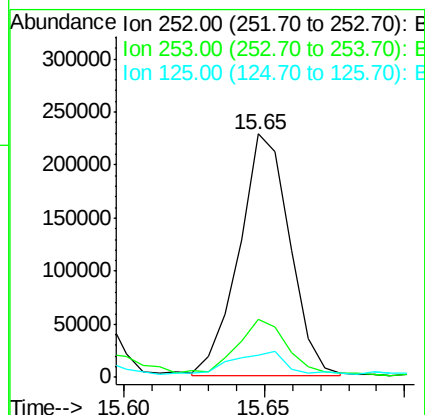
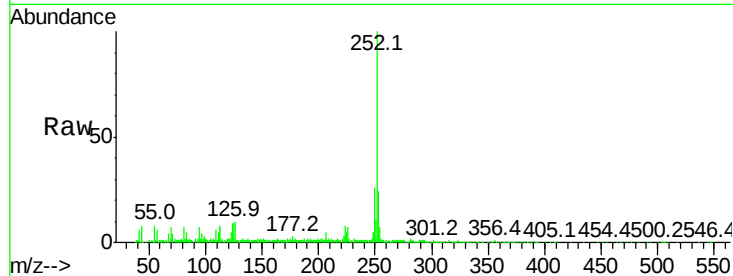
ClientSampleId :

FS-RT-4917

Tot Ion:	252	Resp:	282816
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.1	25.7
125	9.0	9.8	14.6

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#90

Dibenzo(a,h)anthracene

Concen: 4.448 ng/mL

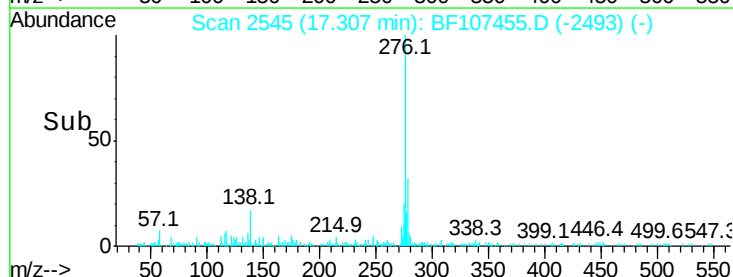
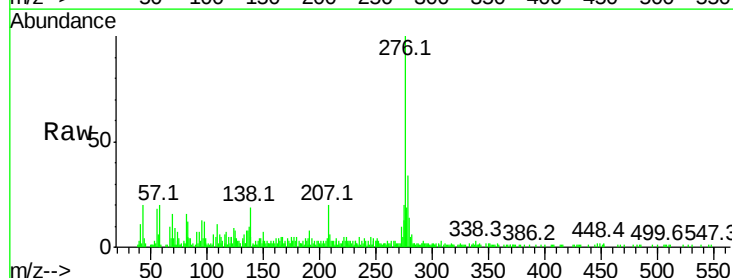
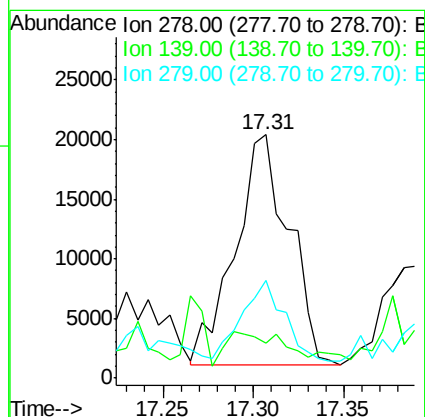
RT: 17.31 min Scan# 2545

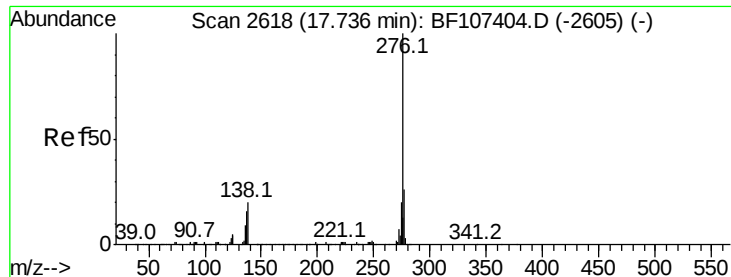
Delta R.T. 0.01 min

Lab File: BF107455.D

Acq: 17 Jul 2018 17:52

Tgt Ion:	278	Resp:	39824
Ion Ratio	Lower	Upper	
278	100		
139	14.4	15.9	23.9
279	40.0	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 16.927 ng
 RT: 17.78 min Scan# 2626
 Delta R.T. 0.02 min
 Lab File: BF107455.D
 Acq: 17 Jul 2018 17:52

Instrument :
 BNA_F
 ClientSampleId :
 FS-RT-4917

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.3	17.9	26.9
138	19.8	21.8	32.8

Manual Integrations
 APPROVED

Sohil
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