

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
 Data File : BF107426.D
 Acq On : 17 Jul 2018 2:05
 Operator : JU/SJ
 Sample : J3975-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PAR-6

Manual Integrations
 APPROVED

Sohil
 7/17/2018 4:53:28 PM

Quant Time: Jul 17 04:27:05 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	138385	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	459471	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	208242	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	394696	20.00	ng	0.00
75) Chrysene-d12	14.17	240	360737	20.00	ng	0.01
86) Perylene-d12	15.71	264	244683	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	666448	73.14	ng	0.01
7) Phenol-d6	6.61	99	829136	70.38	ng	0.01
23) Nitrobenzene-d5	7.54	82	541922	62.89	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	135612	74.12	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	650177	47.24	ng	0.00
78) Terphenyl-d14	13.11	244	609469	41.98	ng	0.00
Target Compounds						
10) Phenol	6.61	94	26049	2.062	ng	# 55
31) Naphthalene	8.29	128	73191	3.279	ng	# 94
37) 2-Methylnaphthalene	8.98	142	51378	3.492	ng	# 79
49) Dimethylphthalate	9.73	163	148873	8.998	ng	# 97
51) Acenaphthene	10.06	154	67568	5.136	ng	# 94
54) Dibenzofuran	10.23	168	43736	2.151	ng	# 80
57) Fluorene	10.57	166	63777	4.737	ng	# 93
70) Phenanthrene	11.54	178	557455	28.340	ng	# 97
71) Anthracene	11.60	178	137371	7.012	ng	# 98
74) Fluoranthene	12.75	202	698046	31.223	ng	# 93
77) Pyrene	12.97	202	605439	24.681	ng	# 96
80) Benzo(a)anthracene	14.16	228	304651	13.803	ng	# 94
82) Chrysene	14.20	228	307243	14.572	ng	# 92
83) Bis(2-ethylhexyl)phthalate	14.14	149	37494	2.928	ng	# 76
85) Indeno(1,2,3-cd)pyrene	17.28	276	71170	4.742	ng	# 65
87) Benzo(b)fluoranthene	15.25	252	227966m	15.918	ng	#
88) Benzo(k)fluoranthene	15.28	252	77709m	5.560	ng	#
89) Benzo(a)pyrene	15.64	252	141035	10.729	ng	# 81
91) Benzo(a,h,i)perylene	17.75	276	68328	6.778	ng	# 82

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

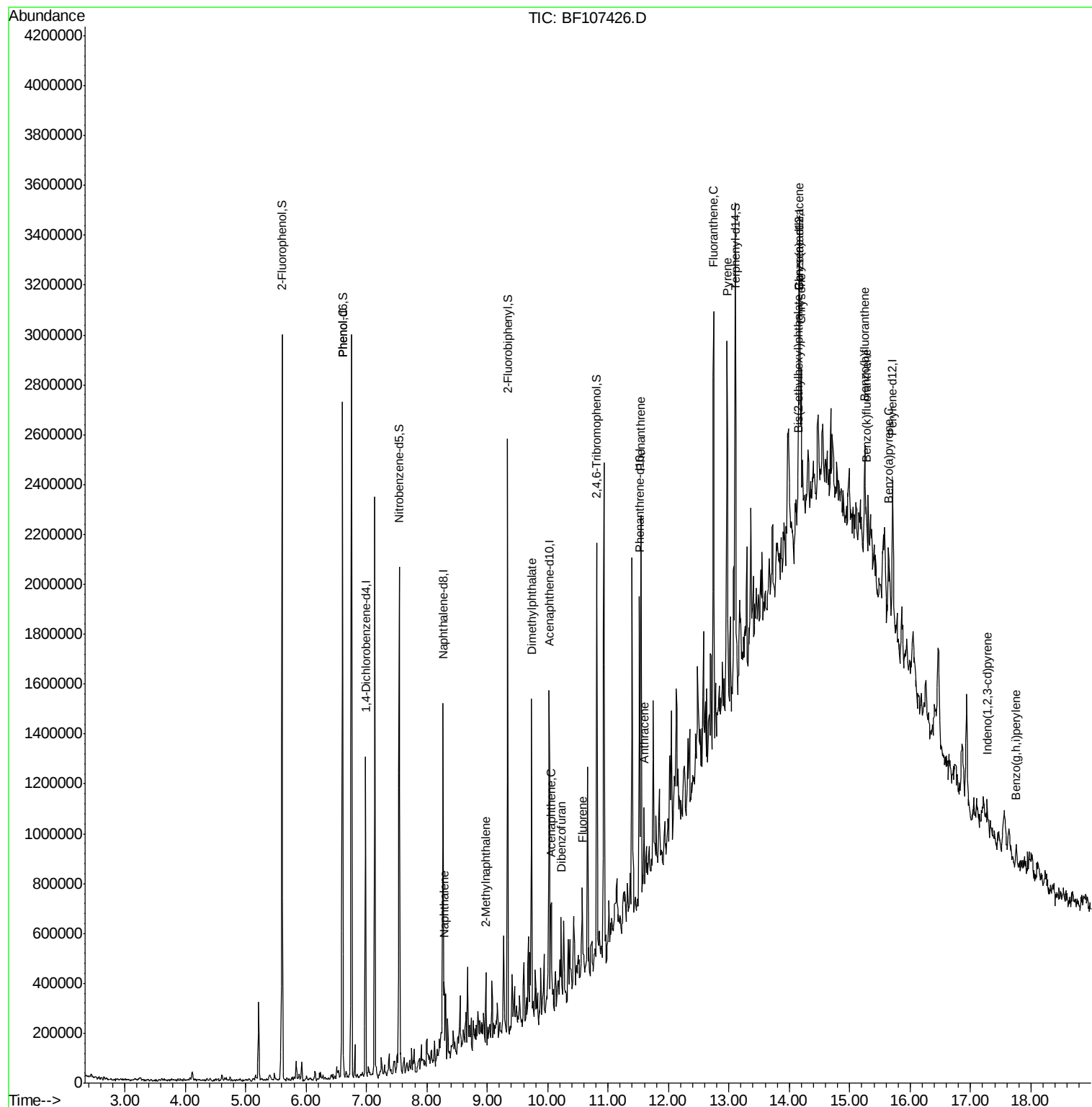
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107426.D
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ALS Vial : 18 Sample Multiplier: 1

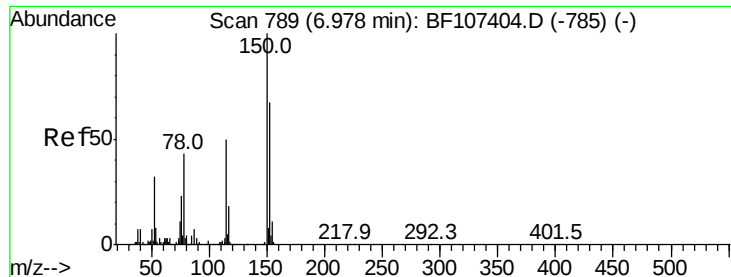
Instrument :
BNA_F
ClientSampled :
PAR-6

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

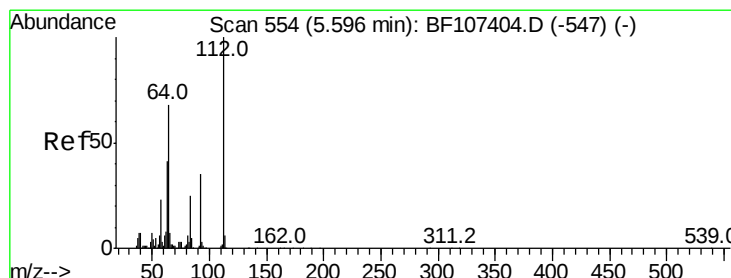
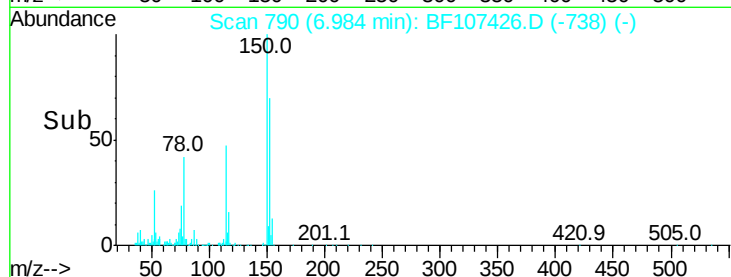
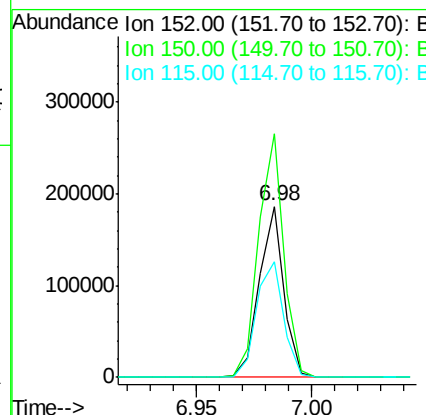
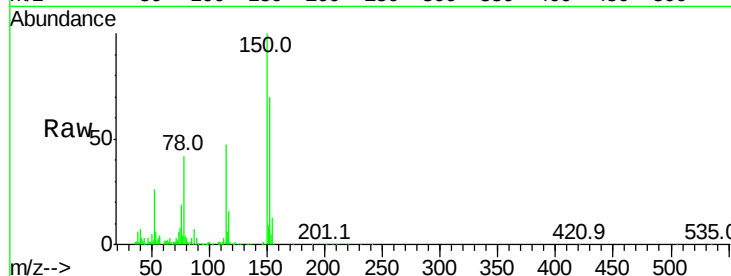
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Instrument :
BNA_F
ClientSampleId :
PAR-6

Tot Ion	Ratio	Lower	Upper
152	100		
150	142.6	124.6	186.8
115	67.5	50.1	75.1

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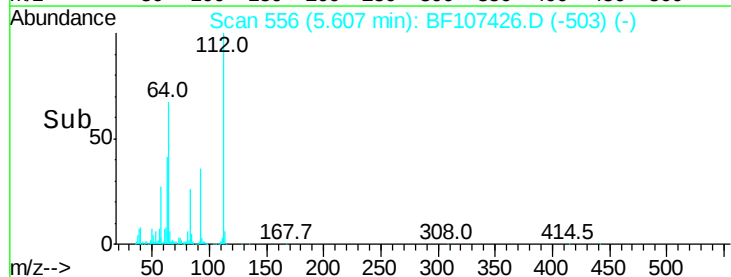
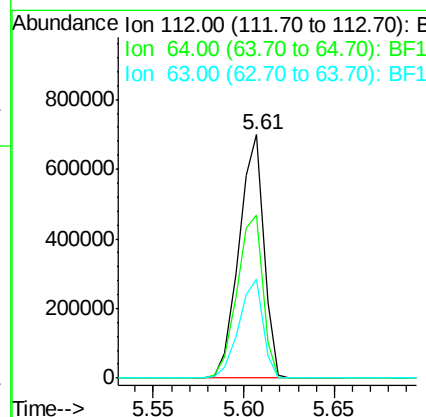
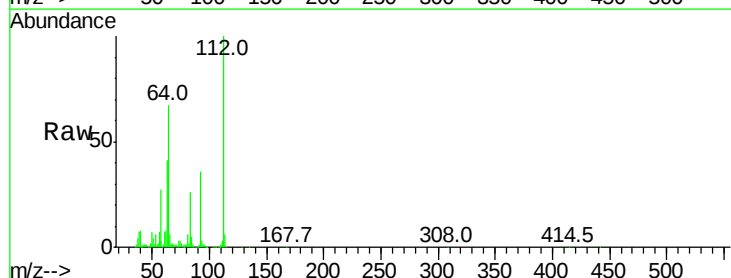
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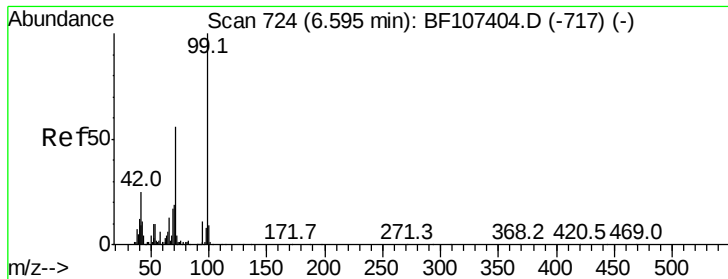


#5

2-Fluorophenol
Concen: 73.141 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.0	47.9	71.9
63	40.8	23.7	35.5





#7

Phenol-d6

Concen: 70.382 ng

RT: 6.61 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

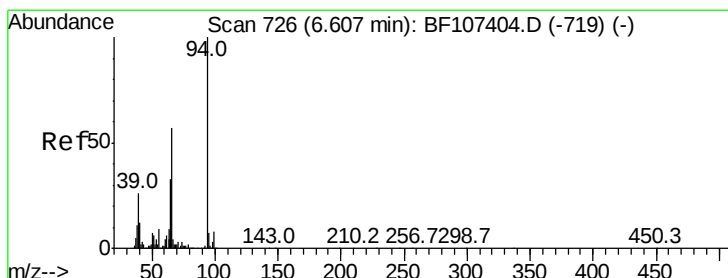
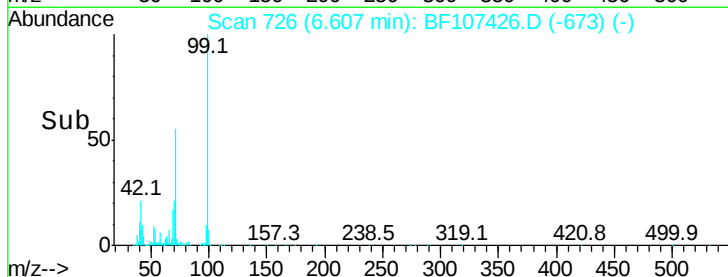
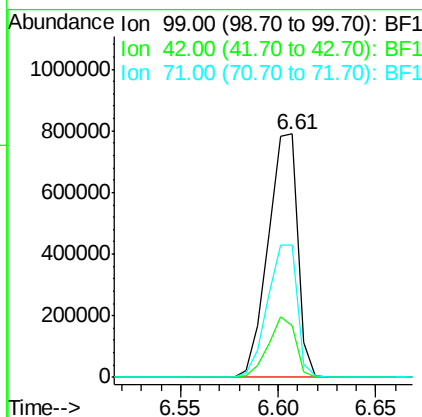
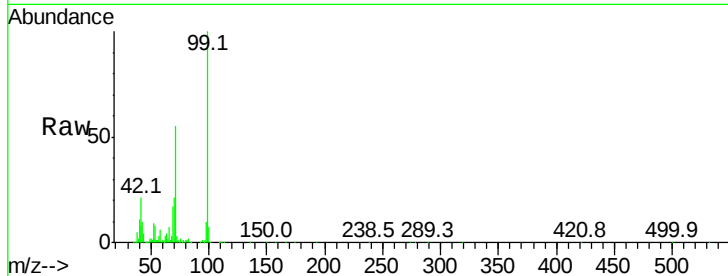
ClientSampled :

PAR-6

Tot Ion:	99	Resp:	829136
Ion Ratio	Lower	Upper	
99	100		
42	21.5	14.5	21.7
71	54.6	25.4	38.0#

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#10

Phenol

Concen: 2.062 ng

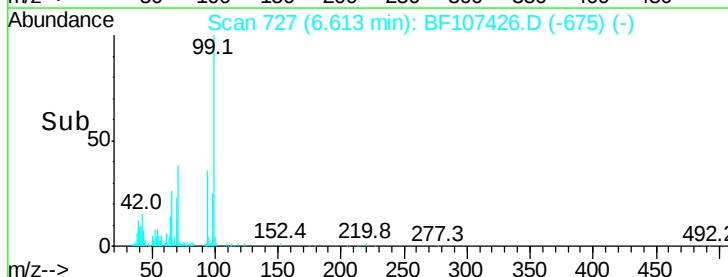
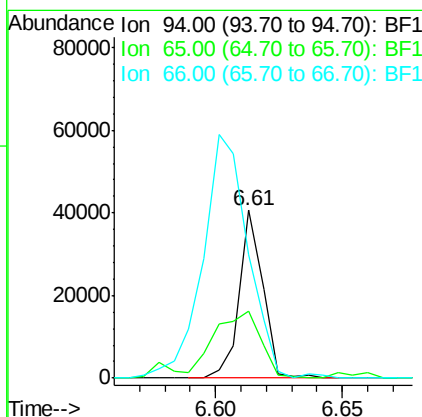
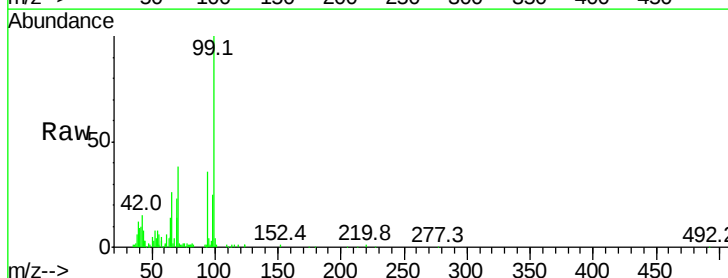
RT: 6.61 min Scan# 727

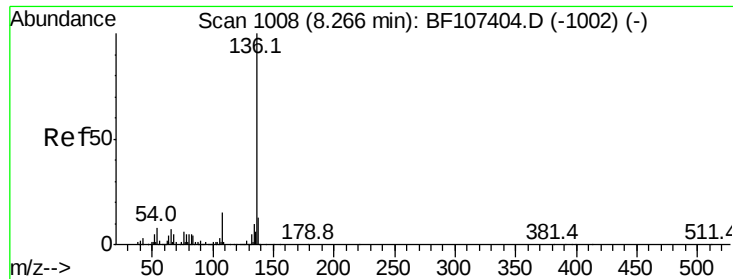
Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion:	94	Resp:	26049
Ion Ratio	Lower	Upper	
94	100		
65	39.9	7.9	47.9
66	73.2	16.2	56.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

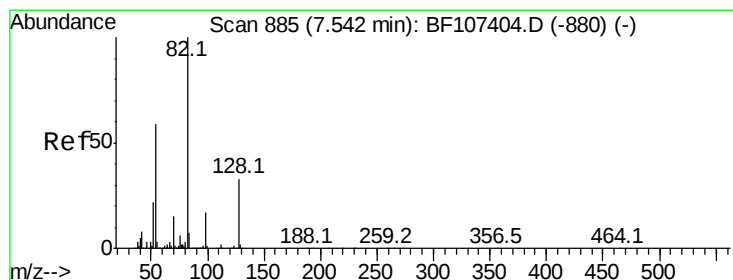
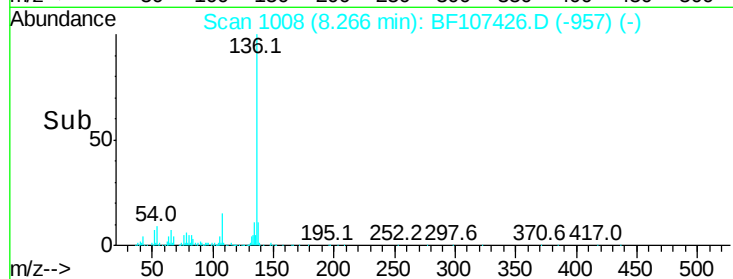
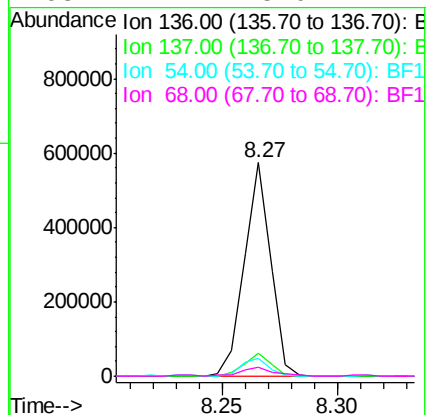
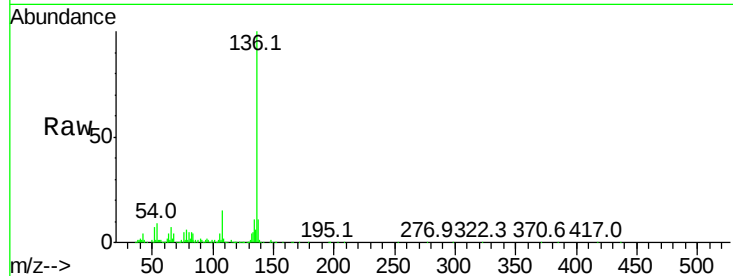
ClientSampleId :

PAR-6

Tot Ion	Ratio	Resp Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.6	6.6	9.8
68	4.4	5.0	7.4#

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#23

Nitrobenzene-d5

Concen: 62.893 ng

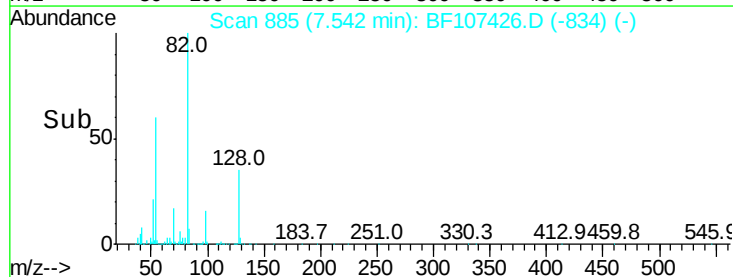
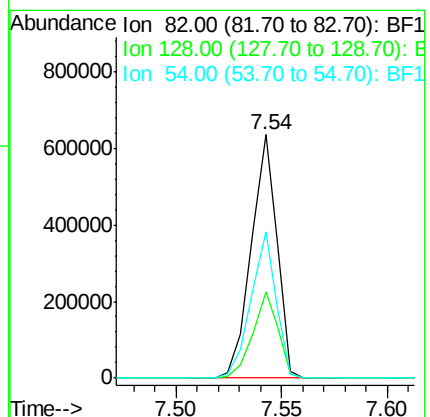
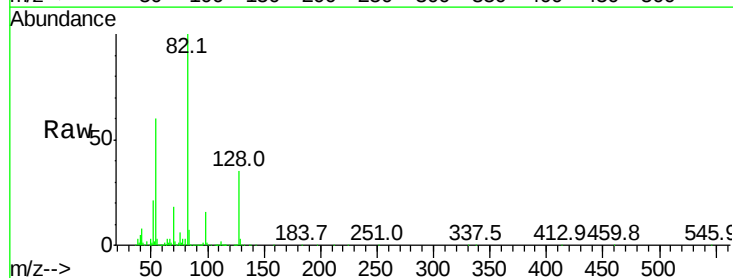
RT: 7.54 min Scan# 885

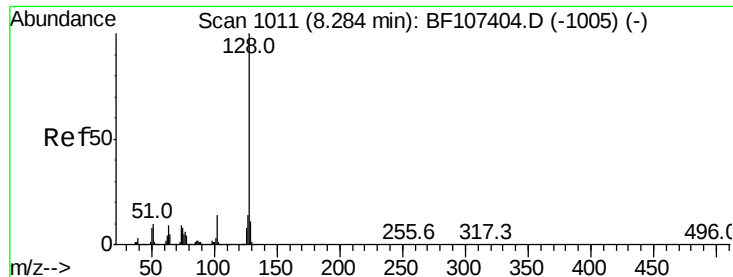
Delta R.T. -0.00 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Resp Lower	Upper
82	100		
128	35.3	36.1	54.1#
54	60.0	41.4	62.2





#31

Naphthalene

Concen: 3.279 ng

RT: 8.29 min Scan# 1012

Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

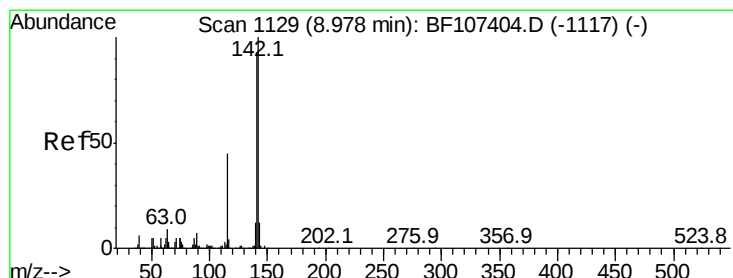
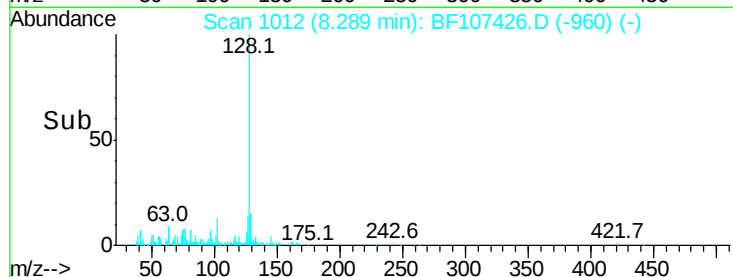
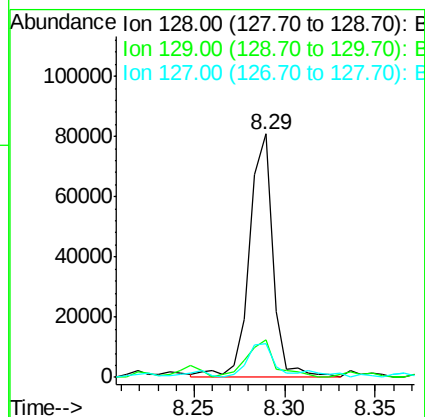
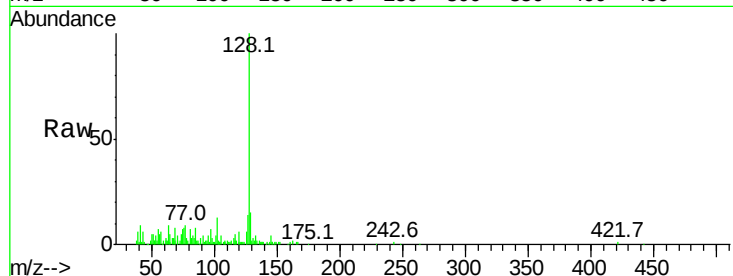
ClientSampled :

PAR-6

Tot Ion:128	Resp:	73191
Ion Ratio	Lower	Upper
128 100		
129 15.4	8.8	13.2#
127 13.9	10.9	16.3

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#37

2-Methylnaphthalene

Concen: 3.492 ng

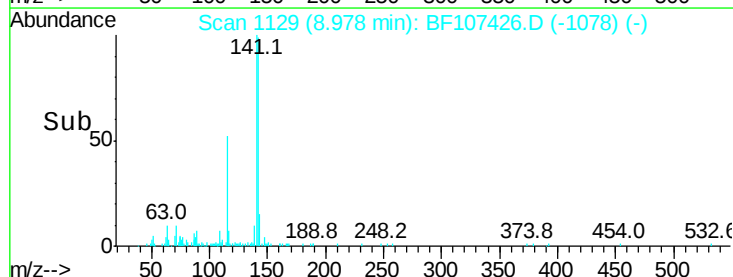
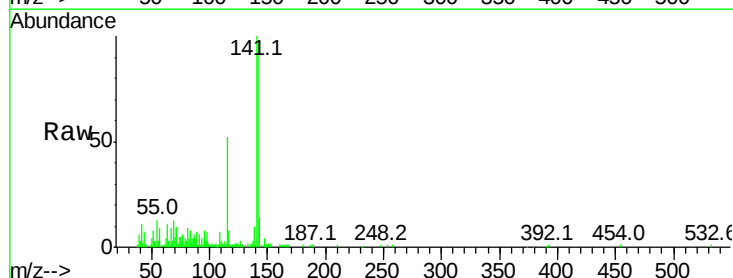
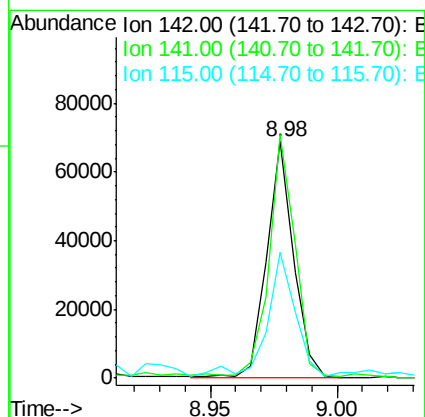
RT: 8.98 min Scan# 1129

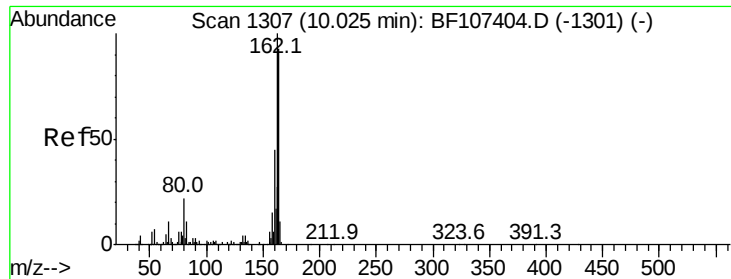
Delta R.T. -0.00 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion:142	Resp:	51378
Ion Ratio	Lower	Upper
142 100		
141 102.9	70.8	106.2
115 53.1	26.1	39.1#





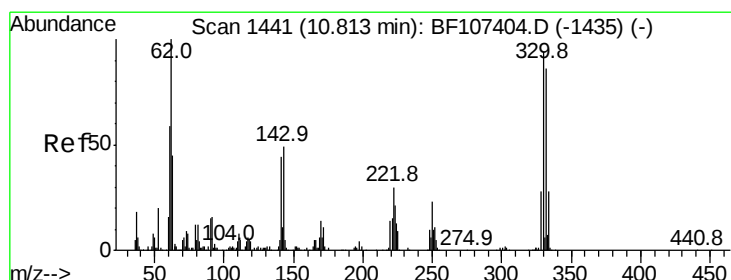
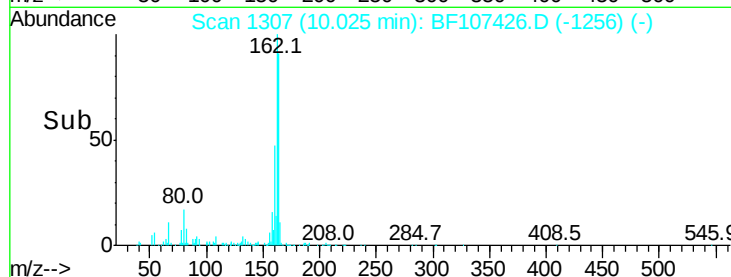
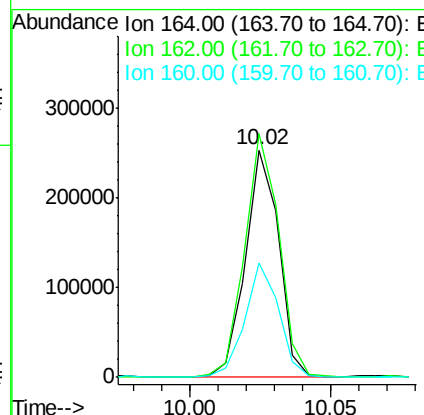
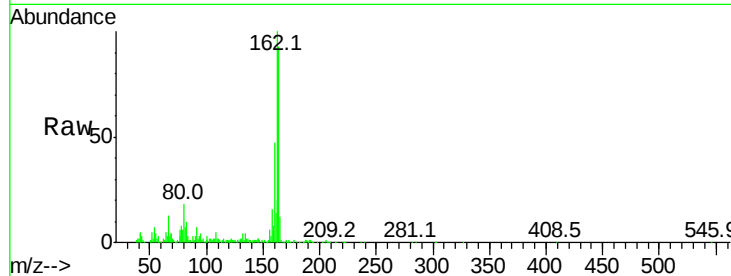
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Instrument :
BNA_F
ClientSampleId :
PAR-6

Tot Ion	Ratio	Lower	Upper
164	100		
162	107.1	86.1	129.1
160	50.0	38.3	57.5

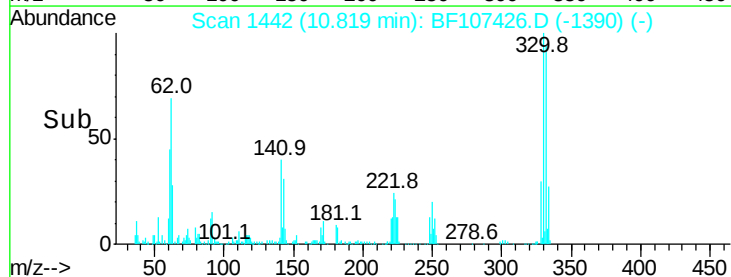
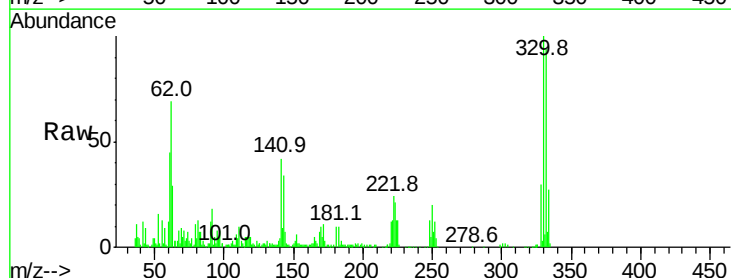
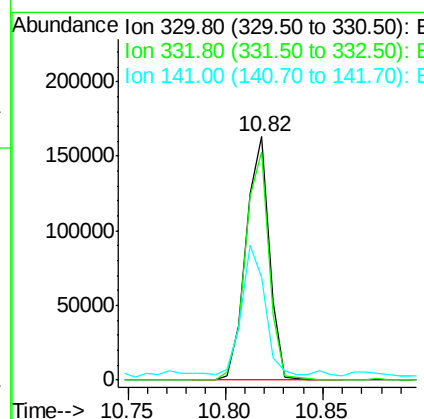
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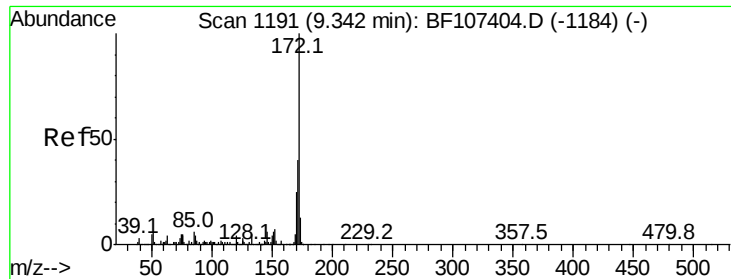
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#41
2,4,6-Tribromophenol
Concen: 74.119 ng
RT: 10.82 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.4	77.0	115.6
141	52.4	29.9	44.9#





#44

2-Fluorobiphenyl

Concen: 47.243 ng

RT: 9.34 min Scan# 1191

Delta R.T. 0.00 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

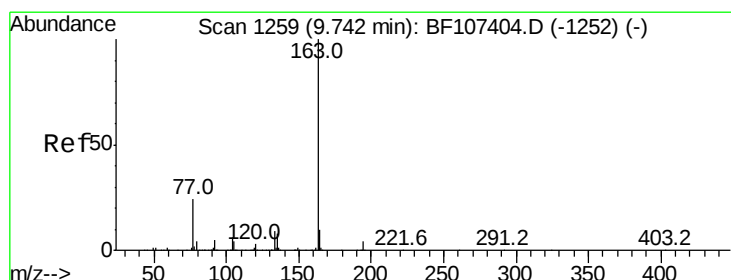
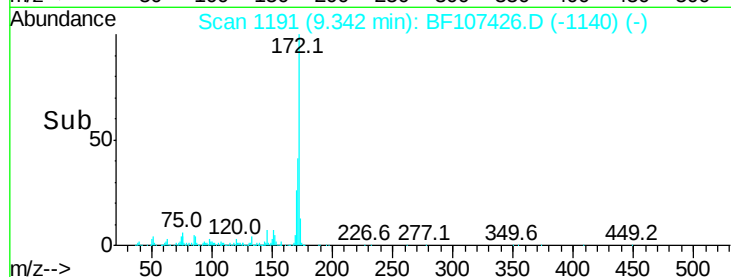
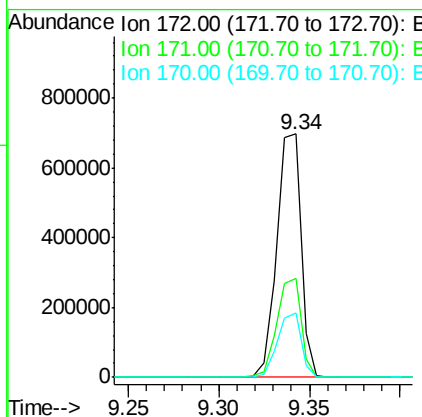
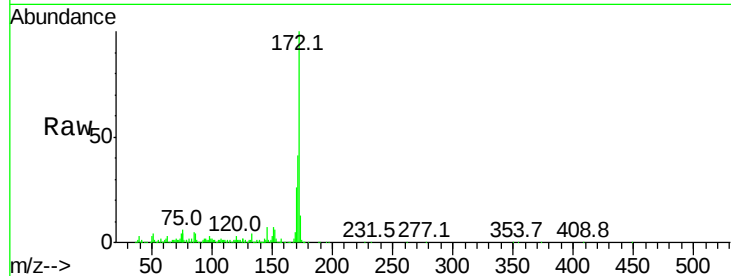
ClientSampleId :

PAR-6

Tot Ion:	172	Resp:	650177
Ion Ratio	Lower	Upper	
172	100		
171	40.8	29.7	44.5
170	26.4	19.6	29.4

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#49

Dimethylphthalate

Concen: 8.998 ng

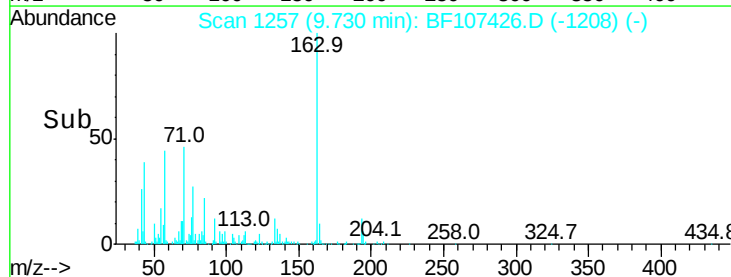
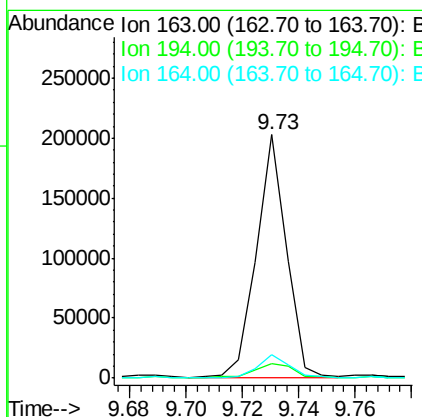
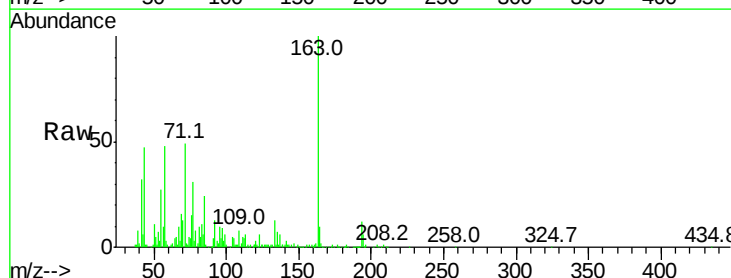
RT: 9.73 min Scan# 1257

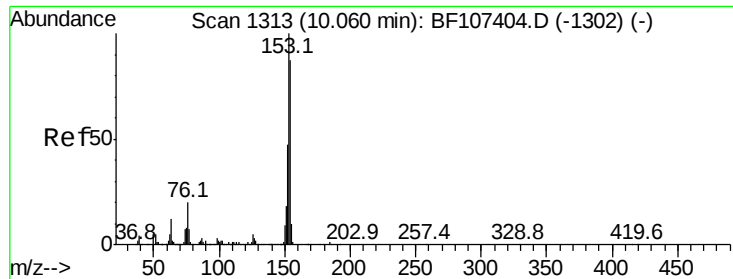
Delta R.T. -0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion:	163	Resp:	148873
Ion Ratio	Lower	Upper	
163	100		
194	6.0	2.7	4.1#
164	9.6	8.2	12.2





#51

Acenaphthene

Concen: 5.136 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.00 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

ClientSampleId :

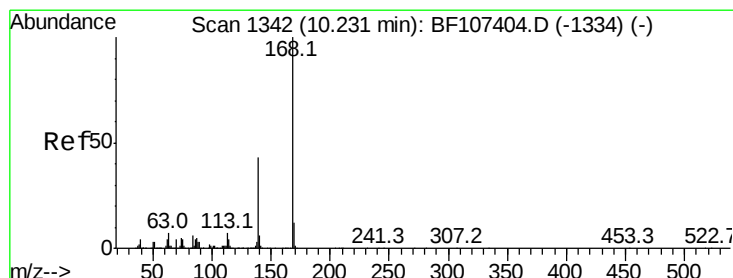
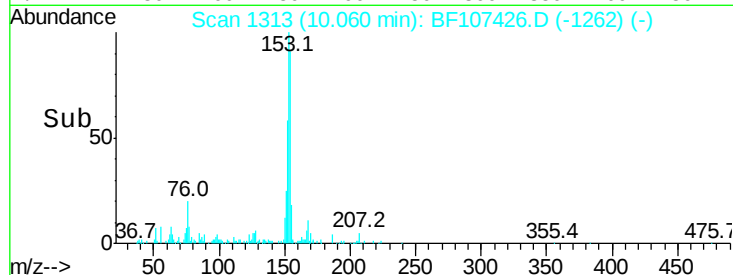
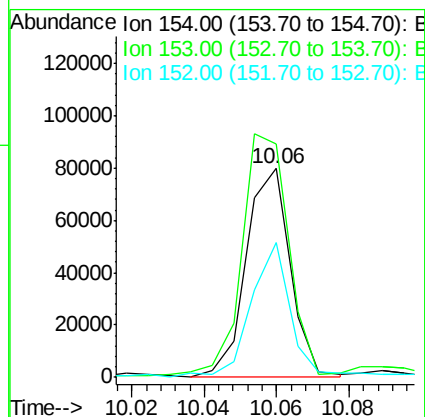
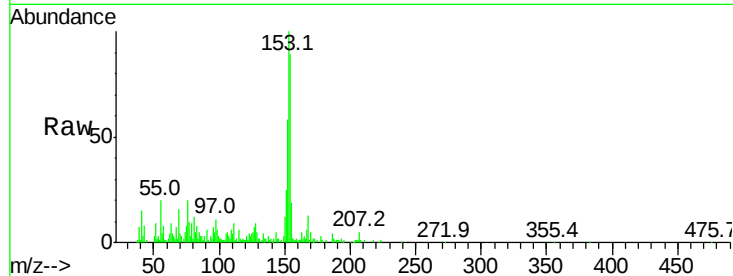
PAR-6

Tot Ion	Ratio	Lower	Upper
154	100		
153	111.8	91.2	136.8
152	64.5	43.8	65.8

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#54

Dibenzofuran

Concen: 2.151 ng

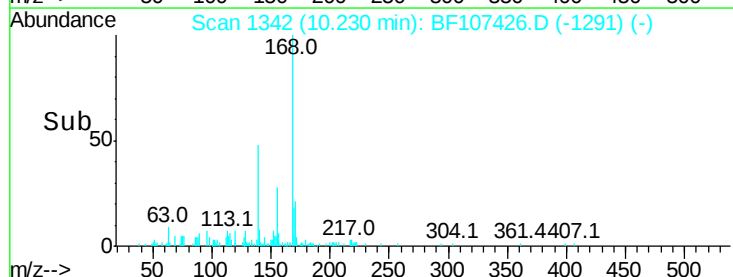
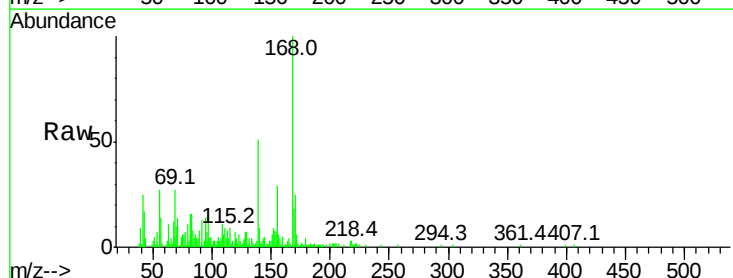
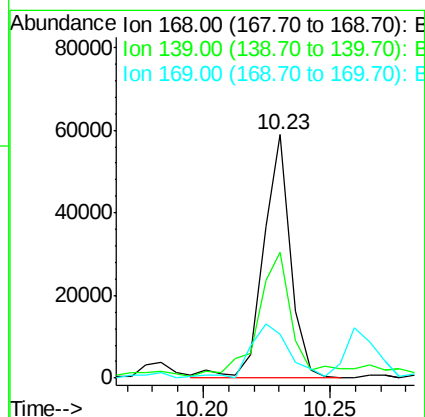
RT: 10.23 min Scan# 1342

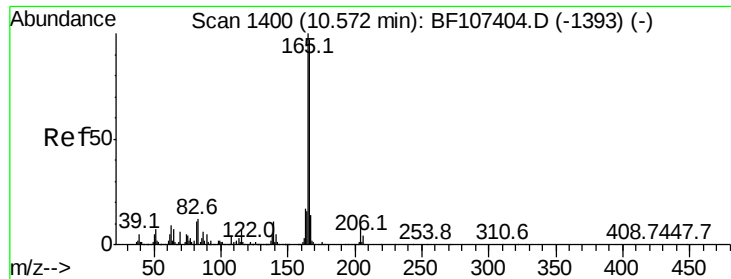
Delta R.T. -0.00 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
168	100		
139	51.4	30.1	45.1#
169	18.0	10.9	16.3#





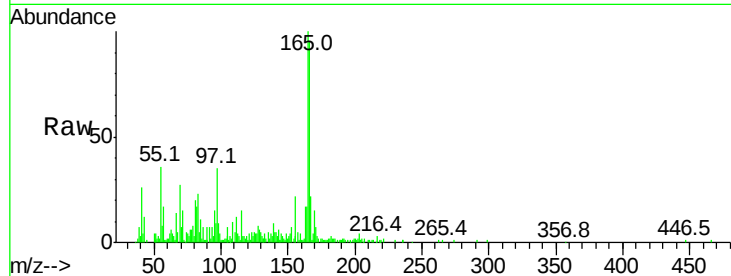
#57
Fluorene
 Concen: 4.737 ng
 RT: 10.57 min Scan# 1400
 Delta R.T. -0.00 min
 Lab File: BF107426.D
 Acq: 17 Jul 2018 2:05

Instrument :
 BNA_F
 ClientSampled :
 PAR-6

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.7	79.8	119.8
167	22.6	10.6	16.0

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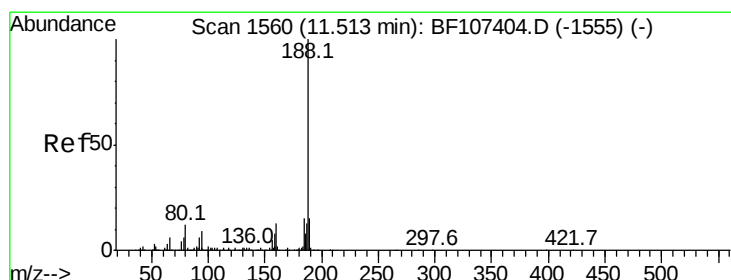
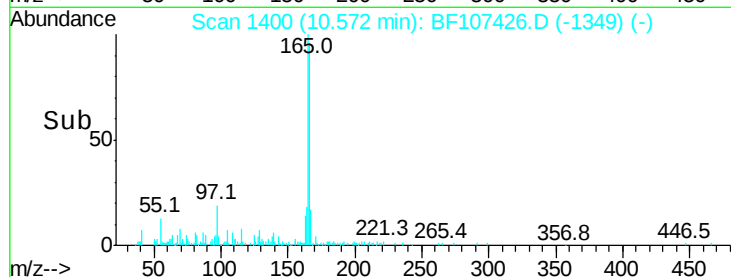
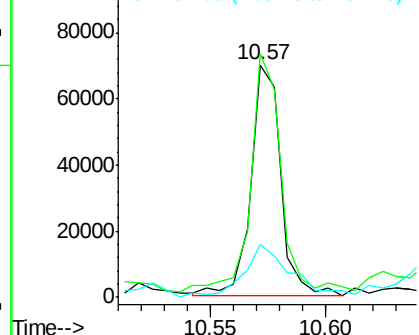


Abundance

Ion 166.00 (165.70 to 166.70): E

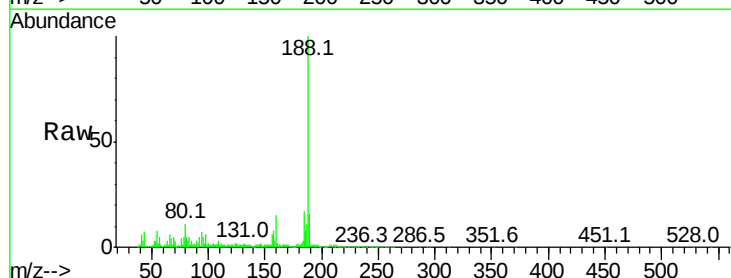
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. 0.01 min
 Lab File: BF107426.D
 Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.9	8.5	12.7
80	10.9	9.2	13.8

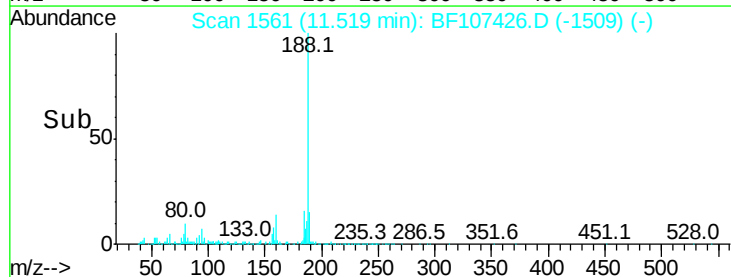
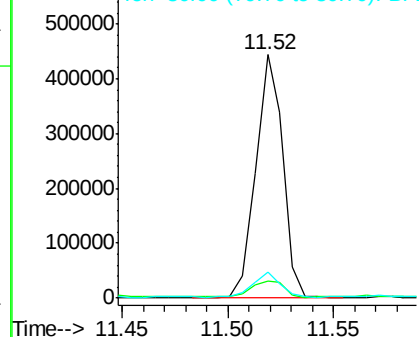


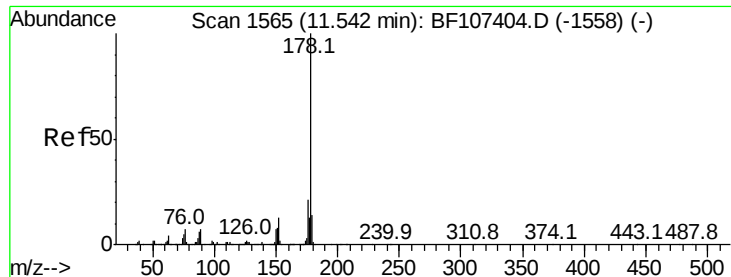
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 28.340 ng

RT: 11.54 min Scan# 1565

Delta R.T. -0.00 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

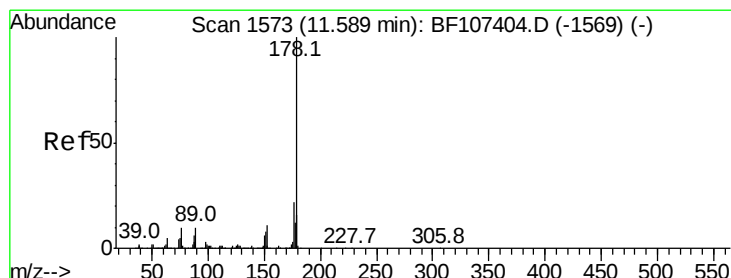
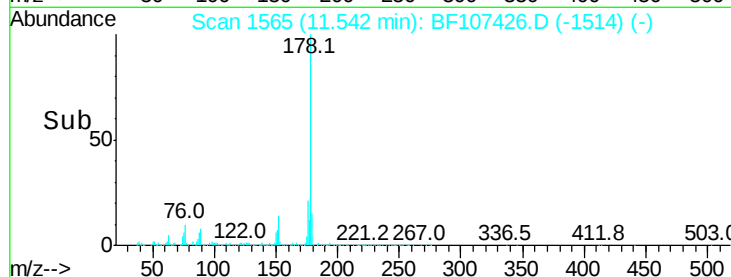
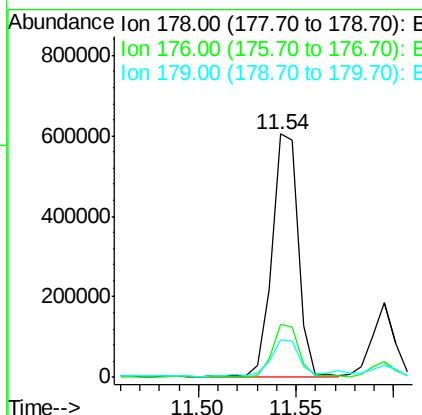
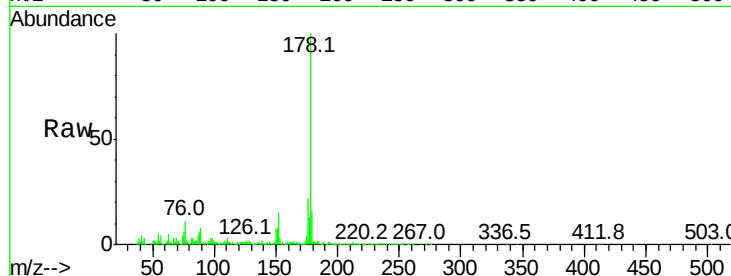
ClientSampleId :

PAR-6

Tot Ion:178	Resp:	557455
Ion Ratio	Lower	Upper
178	100	
176	21.6	15.8 23.8
179	15.6	13.0 19.6

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#71

Anthracene

Concen: 7.012 ng

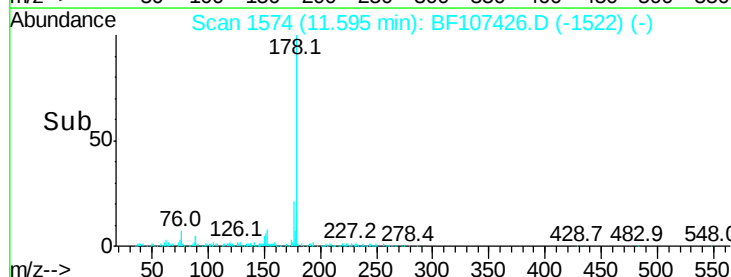
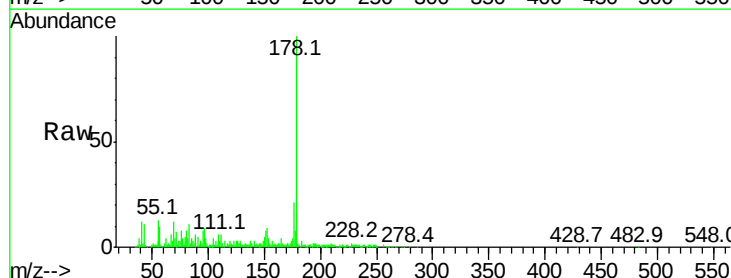
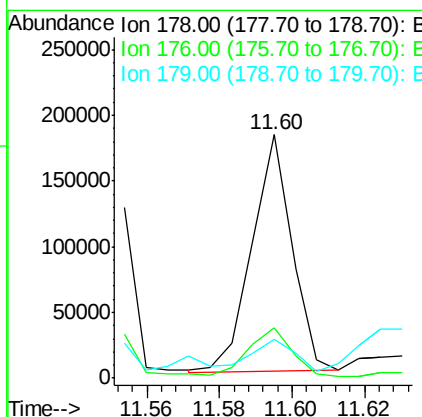
RT: 11.60 min Scan# 1574

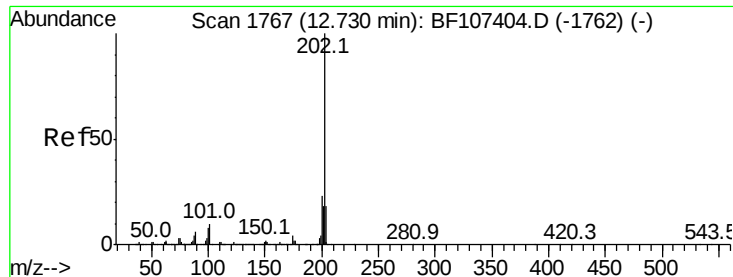
Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion:178	Resp:	137371
Ion Ratio	Lower	Upper
178	100	
176	20.8	15.4 23.2
179	15.9	12.6 19.0





#74

Fluoranthene

Concen: 31.223 ng

RT: 12.75 min Scan# 1770

Delta R.T. 0.02 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

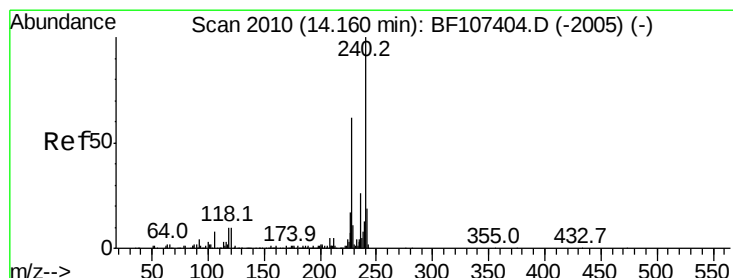
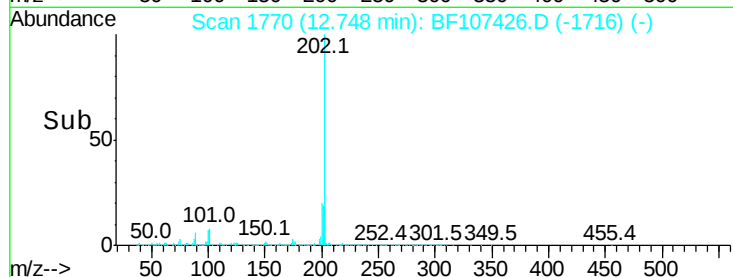
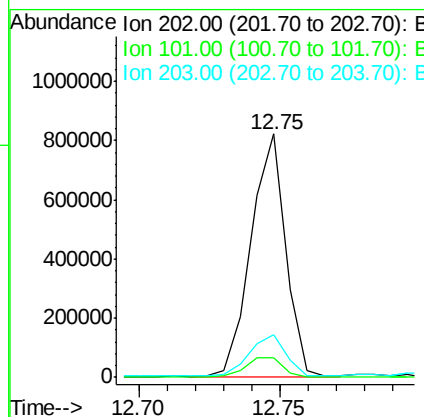
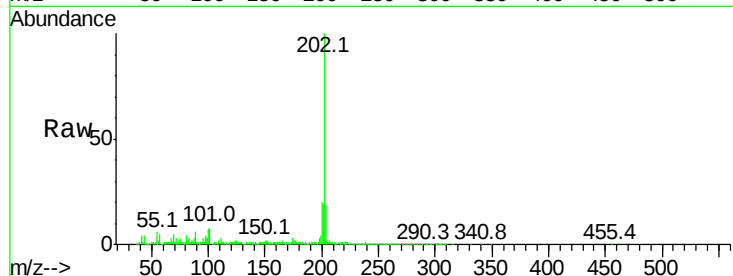
ClientSampled :

PAR-6

Tot Ion:	202	Resp:	698046
Ion Ratio	Lower	Upper	
202	100		
101	7.8	0.0	34.1
203	17.7	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

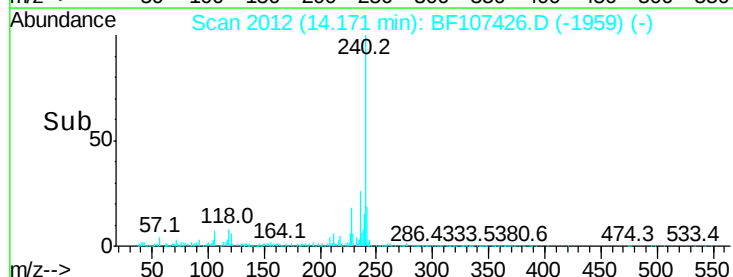
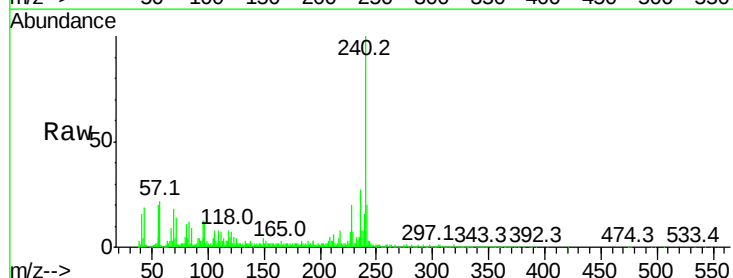
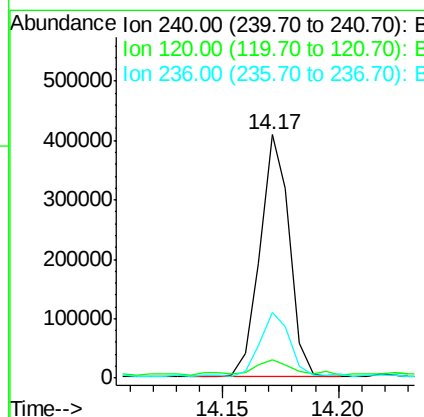
RT: 14.17 min Scan# 2012

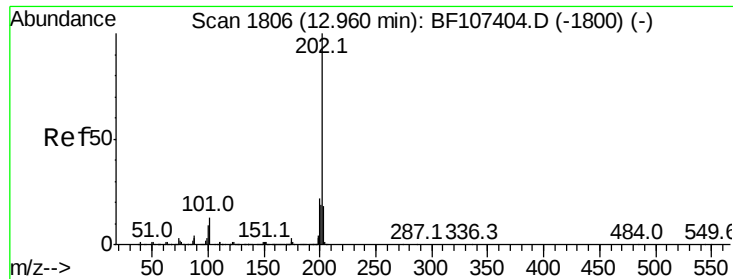
Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion:	240	Resp:	360737
Ion Ratio	Lower	Upper	
240	100		
120	7.3	9.5	14.3#
236	27.0	20.7	31.1





#77

Pvrene

Concen: 24.681 ng

RT: 12.97 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

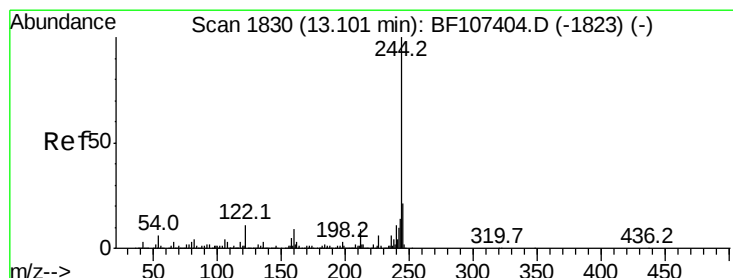
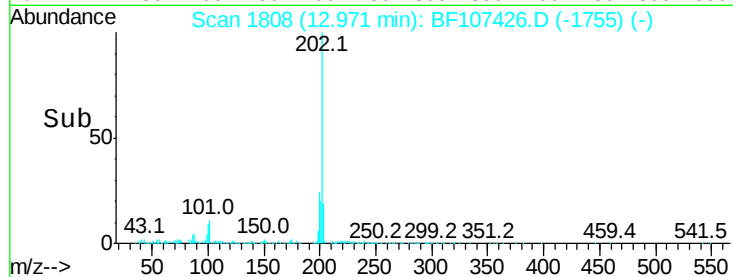
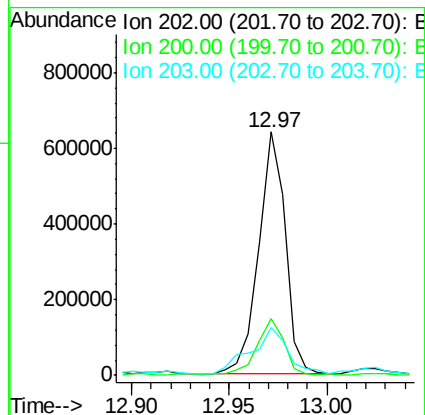
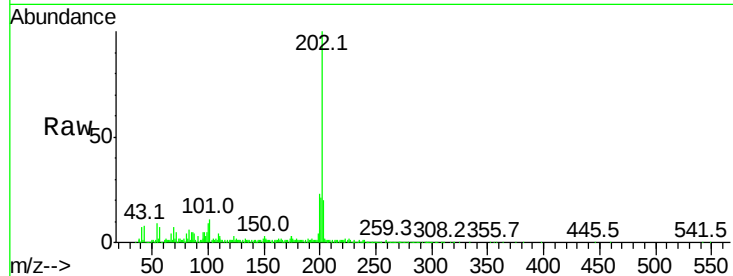
ClientSampleId :

PAR-6

Tot Ion:	202	Resp:	605439
Ion Ratio		Lower	Upper
202	100		
200	23.4	17.4	26.2
203	19.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 41.977 ng

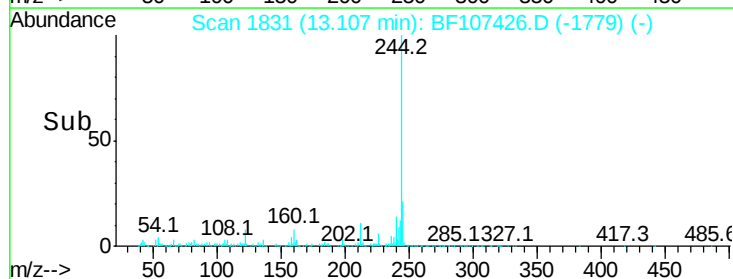
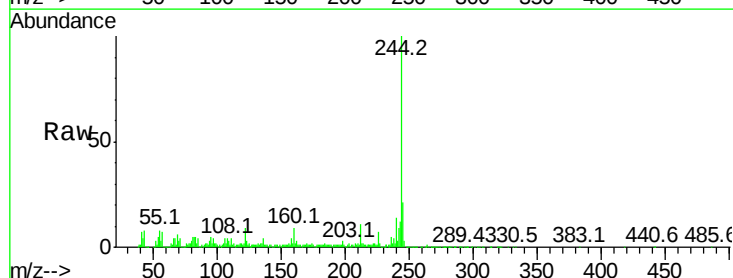
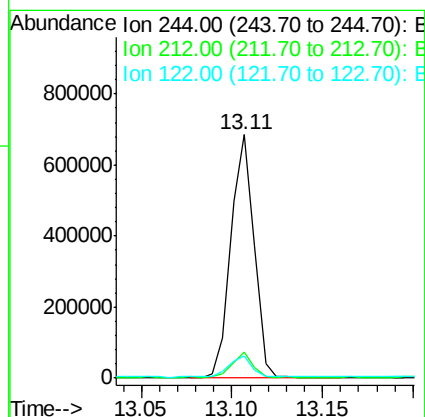
RT: 13.11 min Scan# 1831

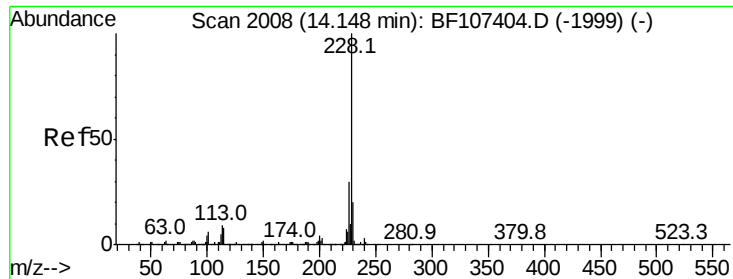
Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion:	244	Resp:	609469
Ion Ratio		Lower	Upper
244	100		
212	10.9	5.4	8.0#
122	9.2	11.0	16.4#





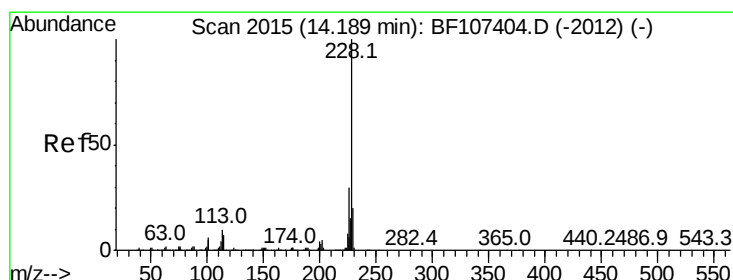
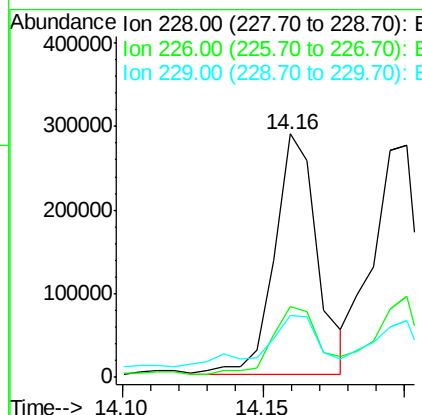
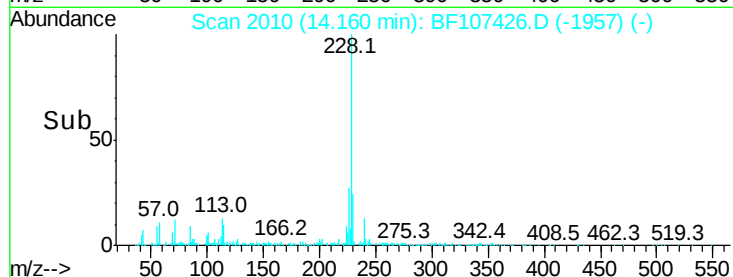
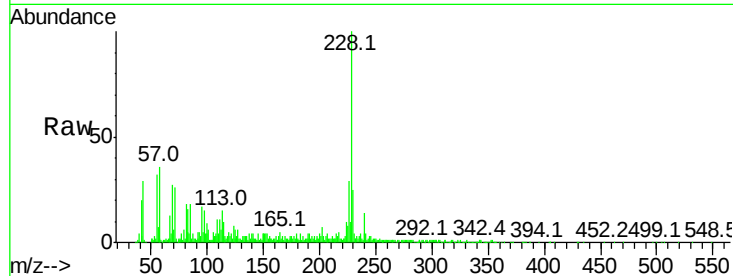
#80
Benzo(a)anthracene
Concen: 13.803 ng
RT: 14.16 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Instrument :
BNA_F
ClientSampleId :
PAR-6

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.6	33.8
229	25.4	15.8	23.6

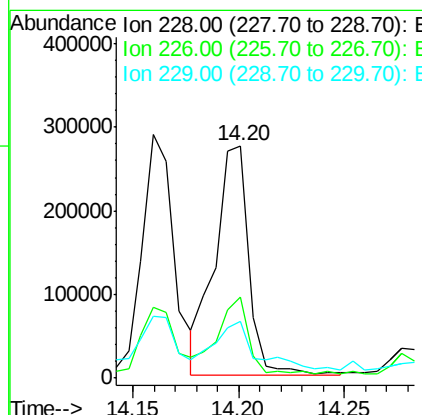
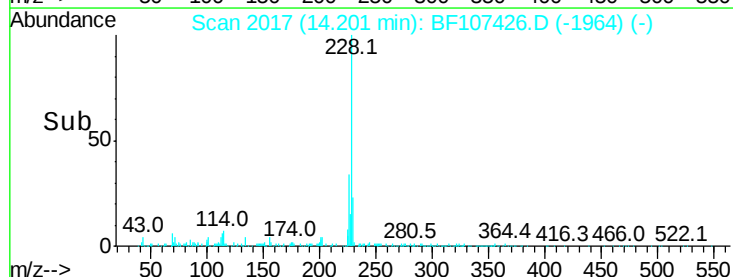
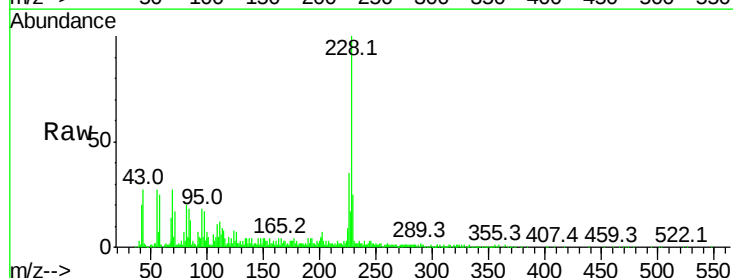
Manual Integrations
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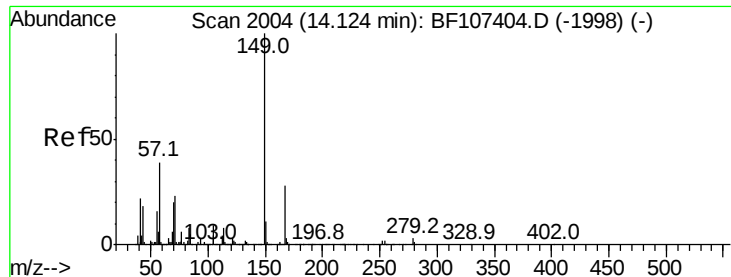
Sohil
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#82
Chrysene
Concen: 14.572 ng
RT: 14.20 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
228	100		
226	35.2	25.0	37.6
229	24.6	16.2	24.4





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.928 ng

RT: 14.14 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

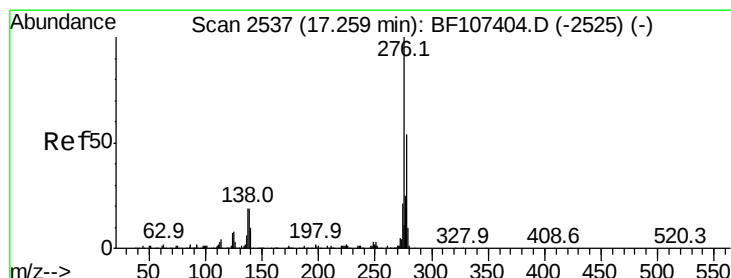
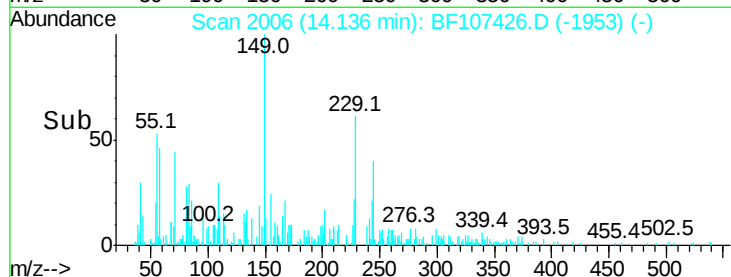
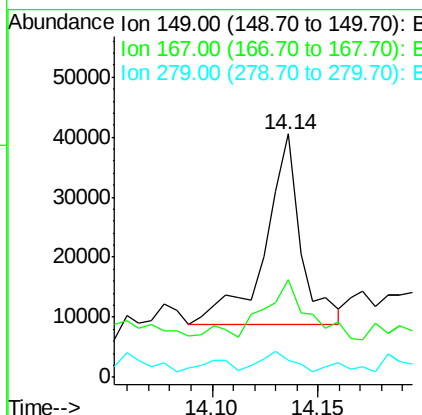
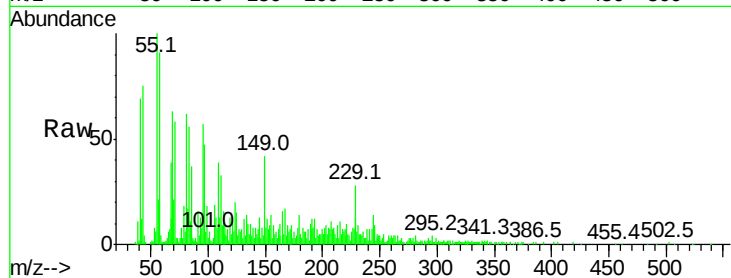
ClientSampled :

PAR-6

Tot Ion	Ratio	Lower	Upper
149	100		
167	40.0	21.3	31.9#
279	6.7	3.0	4.4#

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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.742 ng

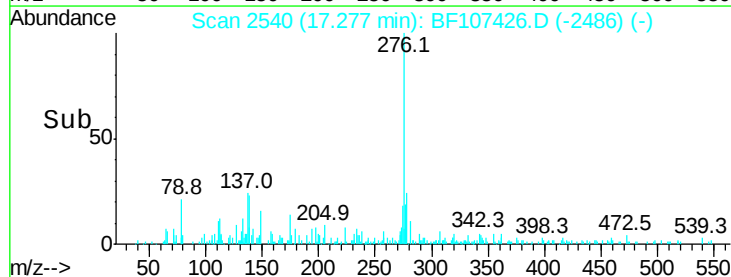
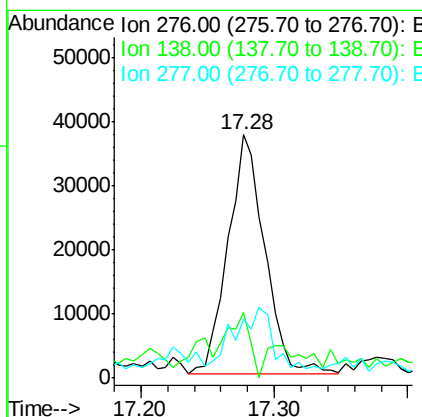
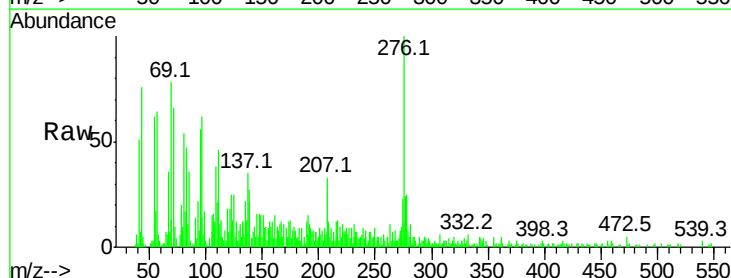
RT: 17.28 min Scan# 2540

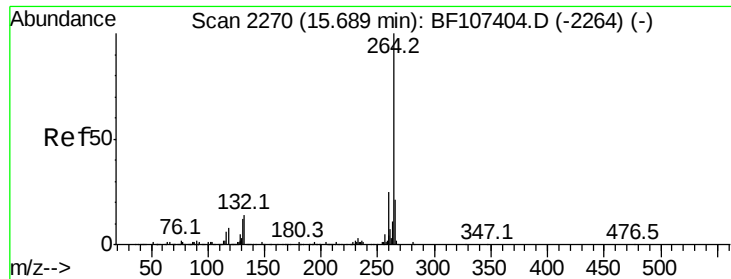
Delta R.T. 0.02 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.2	25.0	37.6#
277	0.0	20.1	30.1#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.02 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

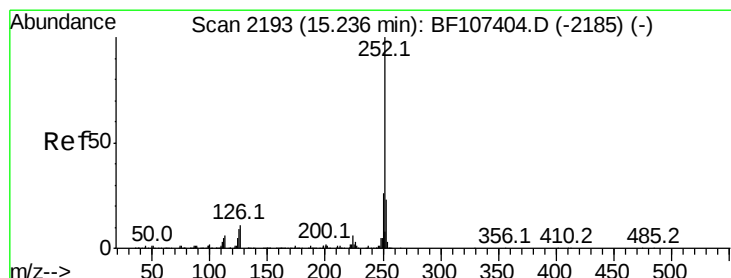
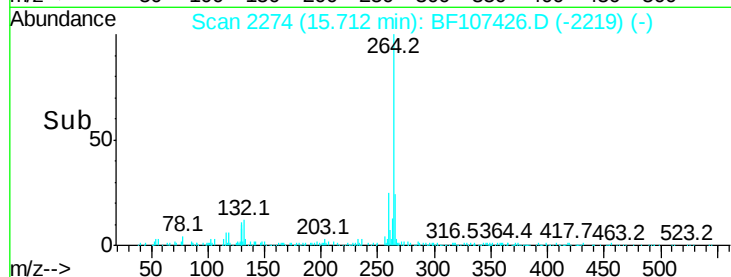
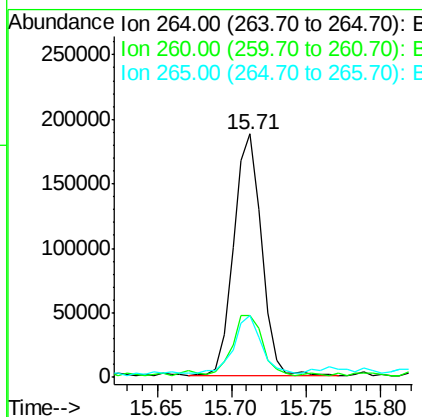
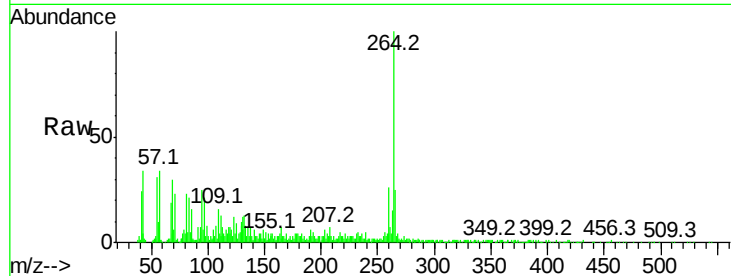
ClientSampled :

PAR-6

Tot Ion:	264	Resp:	244683
Ion Ratio	Lower	Upper	
264	100		
260	25.6	19.2	28.8
265	25.2	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 15.918 ng m

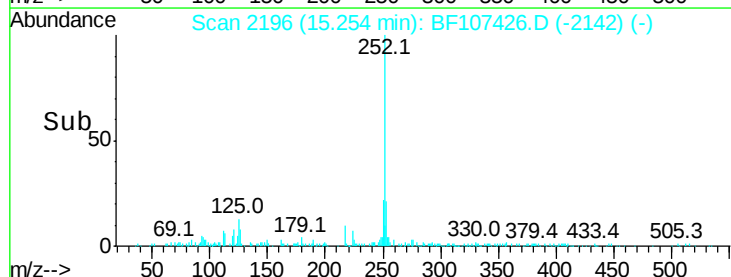
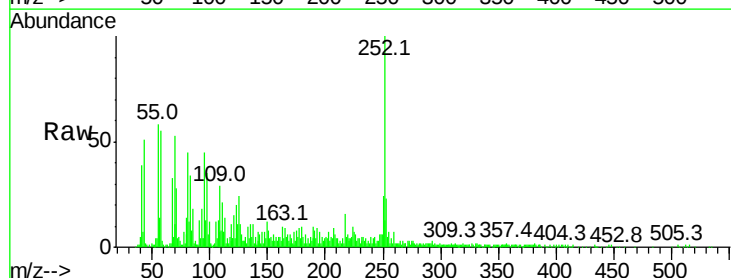
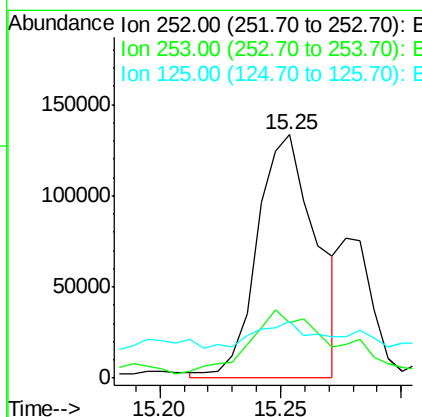
RT: 15.25 min Scan# 2196

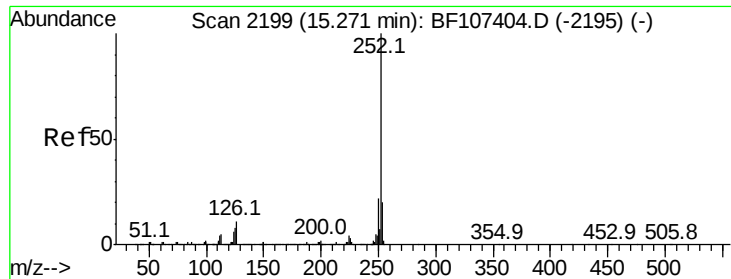
Delta R.T. 0.02 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Tgt Ion:	252	Resp:	227966
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.0	25.6
125	23.5	9.0	13.6#





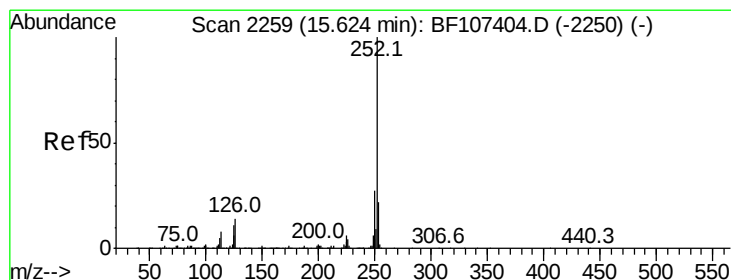
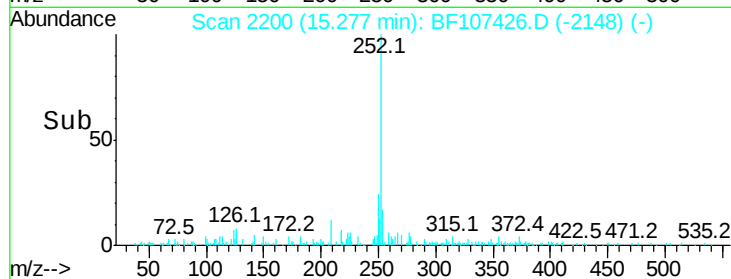
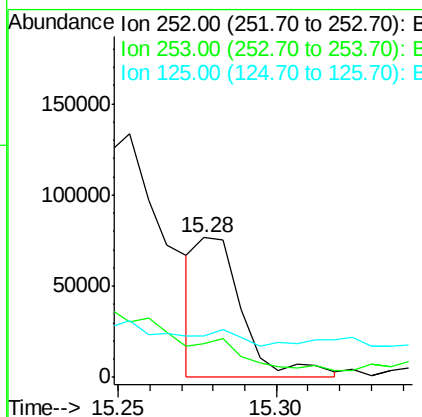
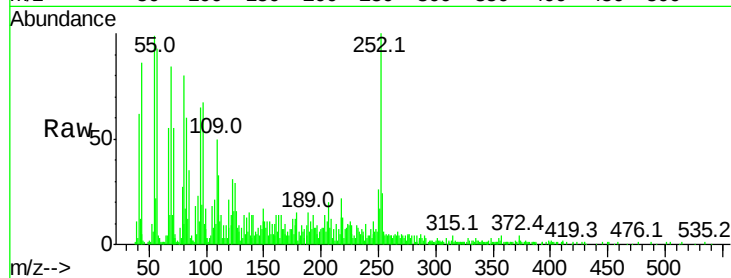
#88
Benzo(k)fluoranthene
Concen: 5.560 ng m
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Instrument :
BNA_F
ClientSampleId :
PAR-6

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.9	26.9
125	29.2	10.2	15.2

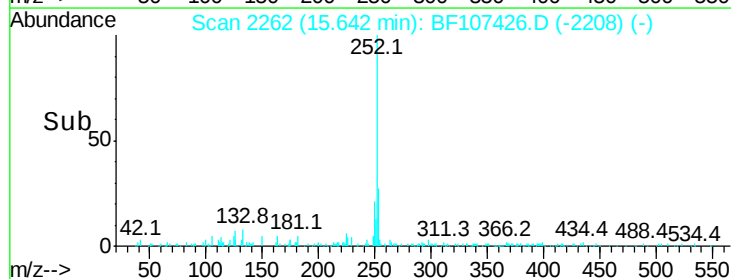
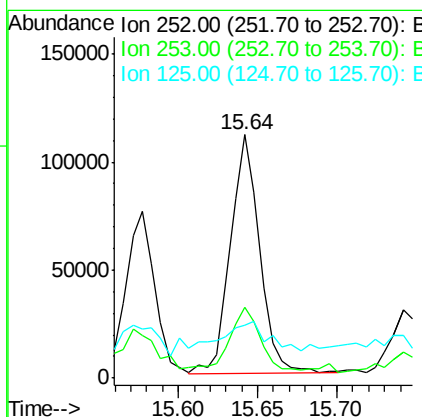
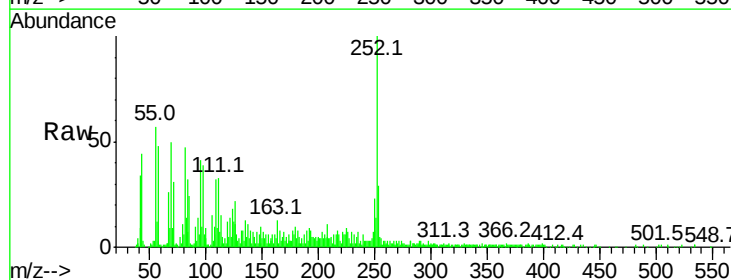
Manual Integrations
APPROVED

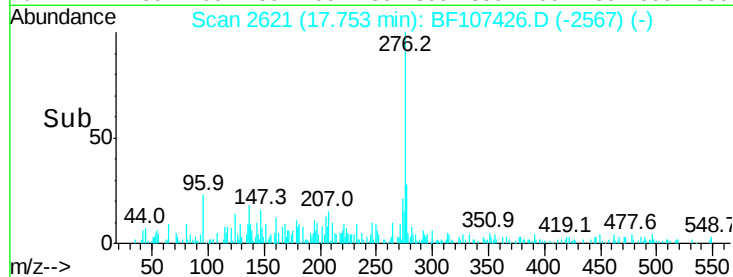
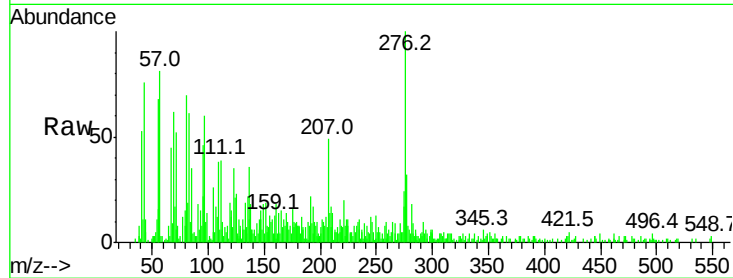
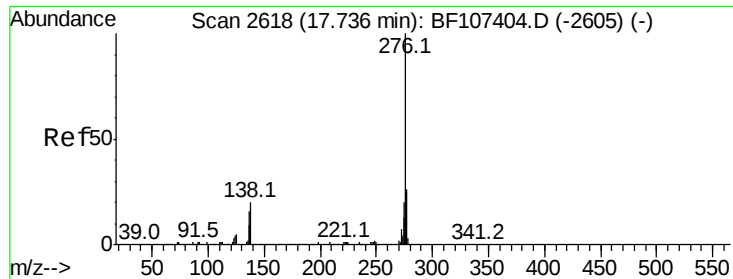
Sohil
7/17/2018 4:53:28 PM



#89
Benzo(a)pyrene
Concen: 10.729 ng
RT: 15.64 min Scan# 2262
Delta R.T. 0.02 min
Lab File: BF107426.D
Acq: 17 Jul 2018 2:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.8	17.1	25.7
125	22.0	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 6.778 ng

RT: 17.75 min Scan# 2621

Delta R.T. 0.02 min

Lab File: BF107426.D

Acq: 17 Jul 2018 2:05

Instrument :

BNA_F

ClientSampleId :

PAR-6

Tot Ion: 276 Resp: 68328

Ion Ratio Lower Upper

276 100

277 31.8 17.9 26.9#

138 18.1 21.8 32.8#

Manual Integrations

APPROVED

Sohil

7/17/2018 4:53:28 PM

