

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107484.D
 Acq On : 18 Jul 2018 18:13
 Operator : JU/SJ
 Sample : J4016-08
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB3-U-23-13

Manual Integrations
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Sohil
 7/19/2018 11:49:45 AM

Quant Time: Jul 18 19:08:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	134722	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	502091	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	253865	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	437728	20.00	ng	0.00
75) Chrysene-d12	14.17	240	297287	20.00	ng	0.00
86) Perylene-d12	15.71	264	269280	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	669582	75.48	ng	0.00
7) Phenol-d6	6.61	99	854339	74.49	ng	0.00
23) Nitrobenzene-d5	7.55	82	618291	65.67	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	159812	71.65	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	1018590	64.25	ng	0.00
78) Terphenyl-d14	13.11	244	781740	65.33	ng	0.00
Target Compounds						
31) Naphthalene	8.29	128	53609	2.198	ng	Qvalue 97
49) Dimethylphthalate	9.73	163	168618	8.360	ng	98
51) Acenaphthene	10.06	154	40017	2.495	ng	89
54) Dibenzofuran	10.23	168	57703	2.328	ng	94
57) Fluorene	10.58	166	69241	4.218	ng	95
70) Phenanthrene	11.55	178	868095	39.794	ng	96
71) Anthracene	11.59	178	192908	8.878	ng	100
72) Carbazole	11.75	167	51750	2.516	ng	99
74) Fluoranthene	12.74	202	1036309	41.796	ng	92
77) Pyrene	12.98	202	923316	45.672	ng	99
80) Benzo(a)anthracene	14.16	228	488758	26.870	ng	99
82) Chrysene	14.20	228	431962m	24.860	ng	
85) Indeno(1,2,3-cd)pyrene	17.28	276	168361	13.612	ng	# 83
87) Benzo(b)fluoranthene	15.25	252	509347m	32.316	ng	
88) Benzo(k)fluoranthene	15.28	252	181082m	11.773	ng	
89) Benzo(a)pyrene	15.65	252	352493	24.366	ng	99
90) Dibenzo(a,h)anthracene	17.30	278	40476	3.707	ng	# 73
91) Benzo(g,h,i)perylene	17.77	276	150154	13.535	ng	# 85

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

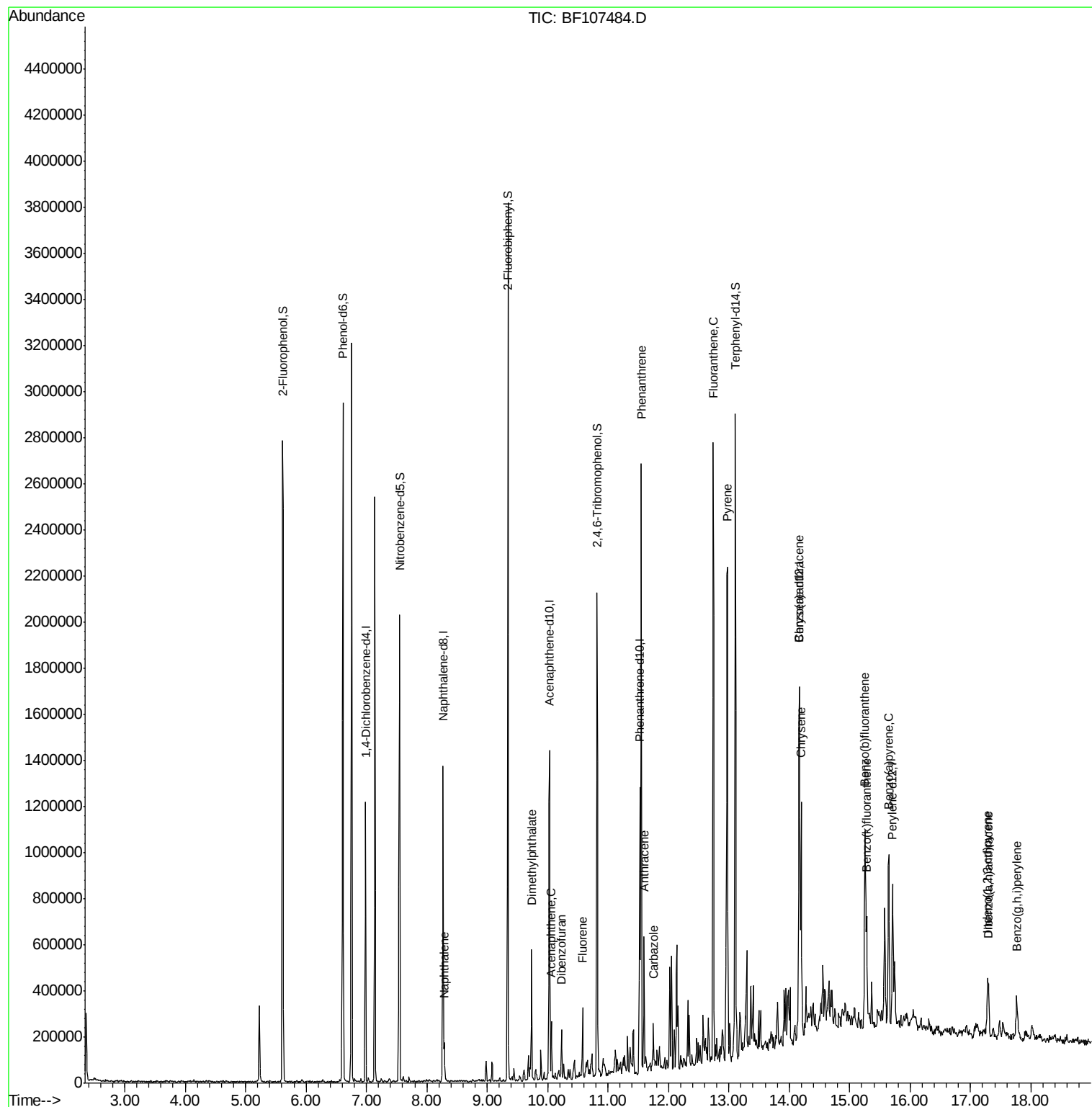
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107484.D
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ALS Vial : 22 Sample Multiplier: 1

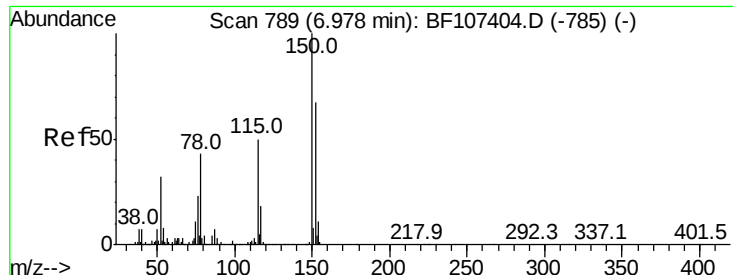
Instrument :
BNA_F
ClientSampleId :
SB3-U-23-13

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

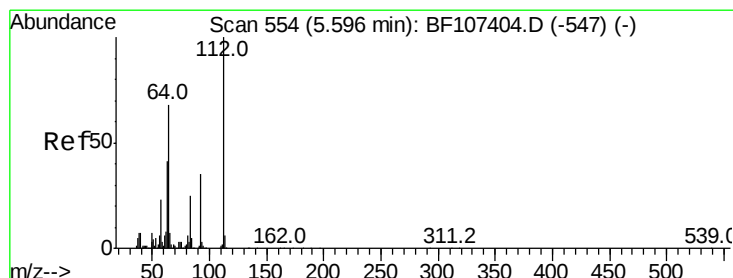
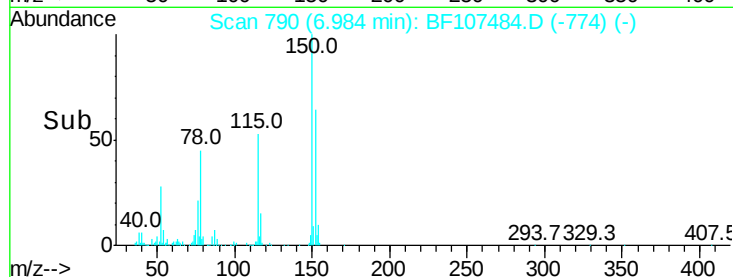
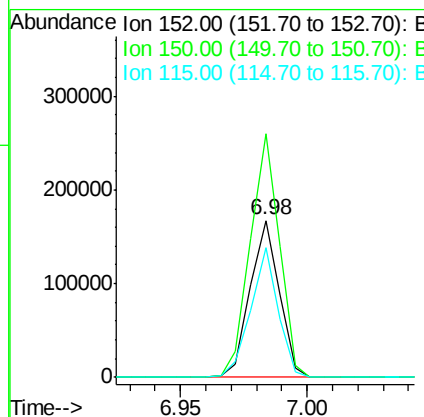
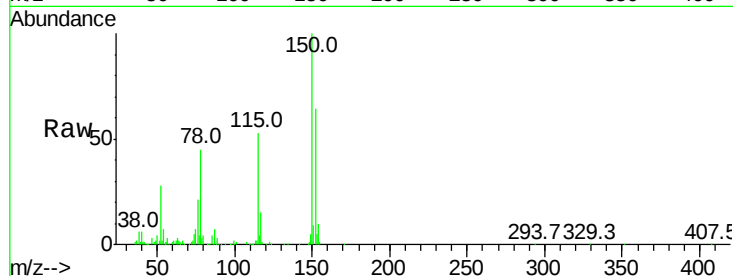
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Instrument :
BNA_F
ClientSampleId :
SB3-U-23-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.5	124.6	186.8
115	82.5	50.1	75.1#

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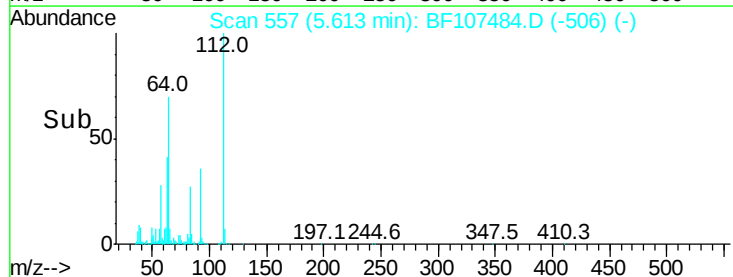
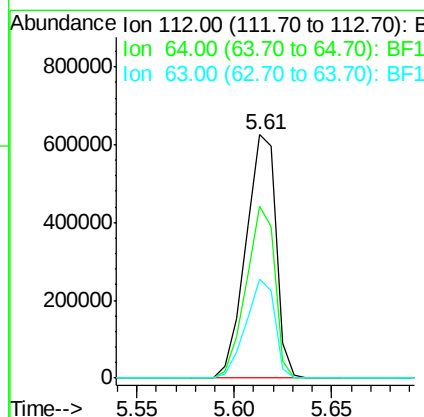
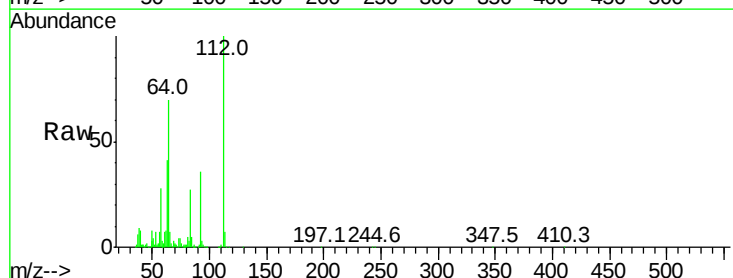
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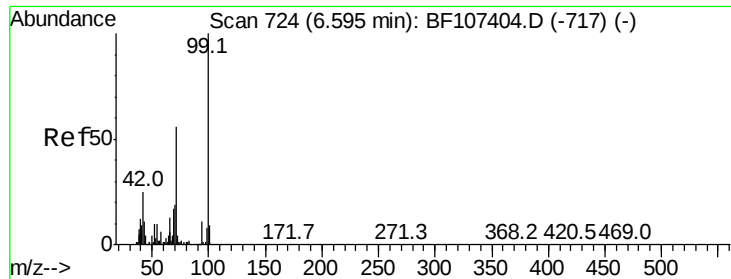


#5

2-Fluorophenol
Concen: 75.483 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.4	47.9	71.9
63	40.8	23.7	35.5#





#7

Phenol-d6

Concen: 74.493 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

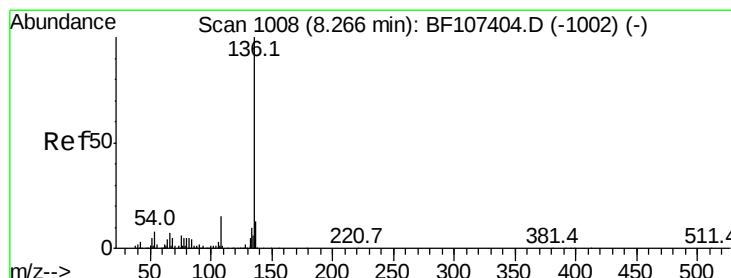
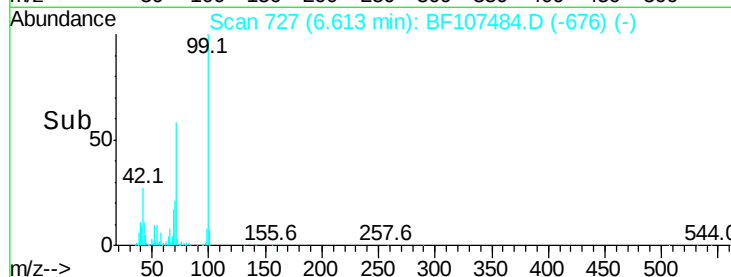
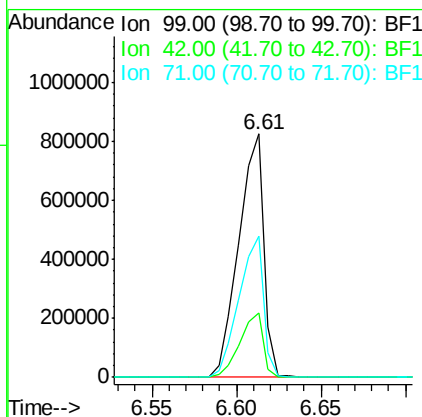
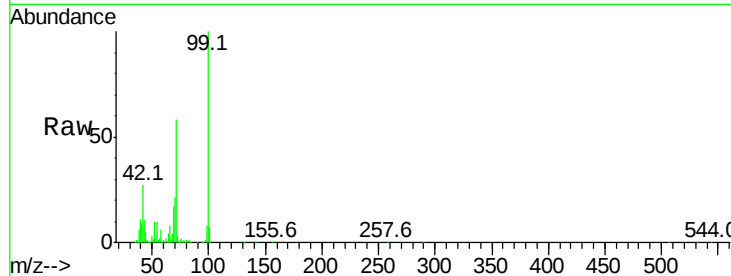
ClientSampled :

SB3-U-23-13

Tot Ion:	99	Resp:	854339
Ion Ratio	Lower	Upper	
99	100		
42	26.7	14.5	21.7#
71	58.2	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

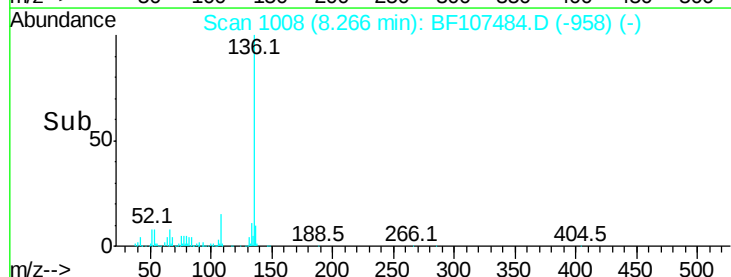
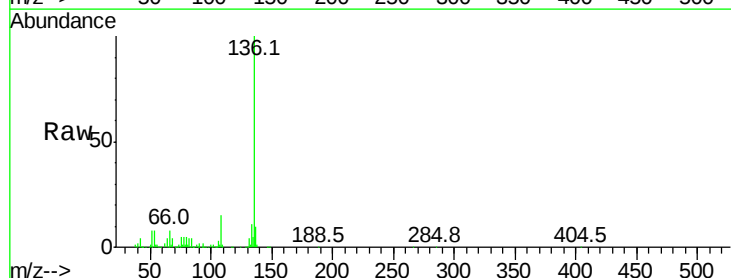
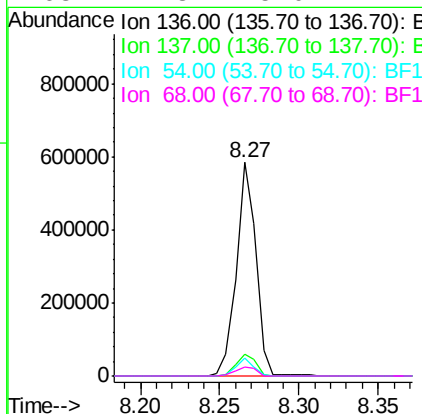
RT: 8.27 min Scan# 1008

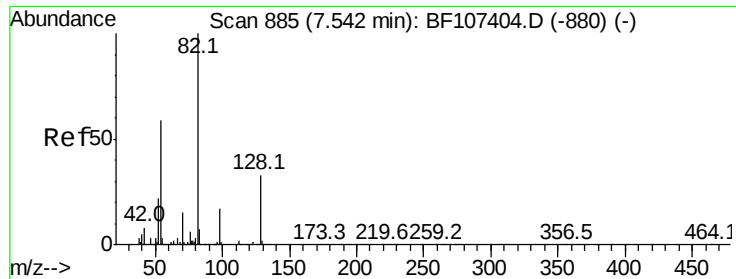
Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion:	136	Resp:	502091
Ion Ratio	Lower	Upper	
136	100		
137	10.1	8.9	13.3
54	8.5	6.6	9.8
68	4.3	5.0	7.4#





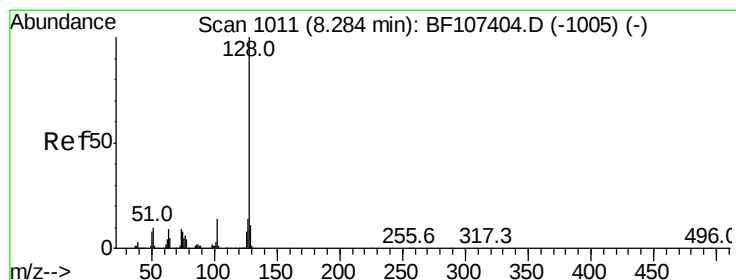
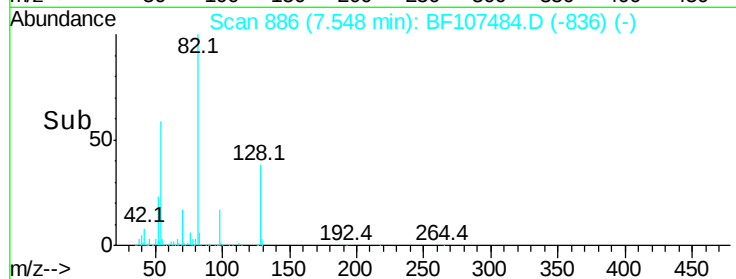
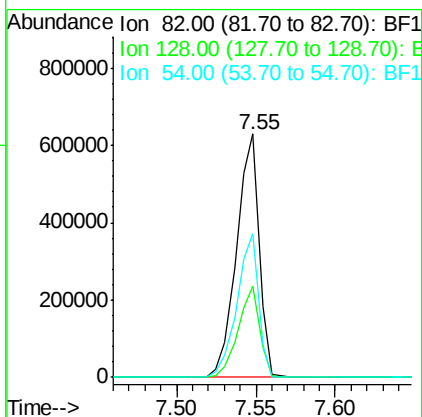
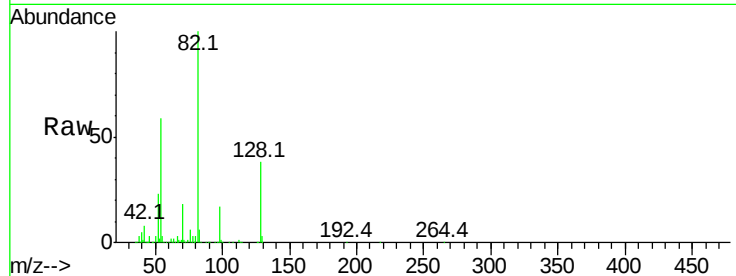
#23
Nitrobenzene-d5
Concen: 65.665 ng
RT: 7.55 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Instrument :
BNA_F
ClientSampleId :
SB3-U-23-13

Tot Ion	Ratio	Resp Lower	Upper
82	100		
128	37.7	36.1	54.1
54	58.9	41.4	62.2

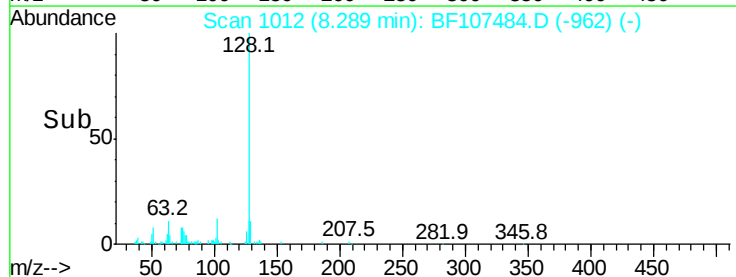
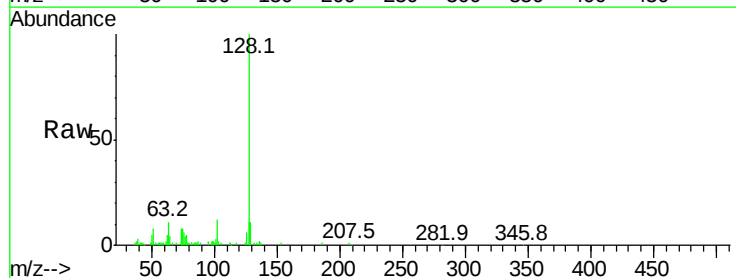
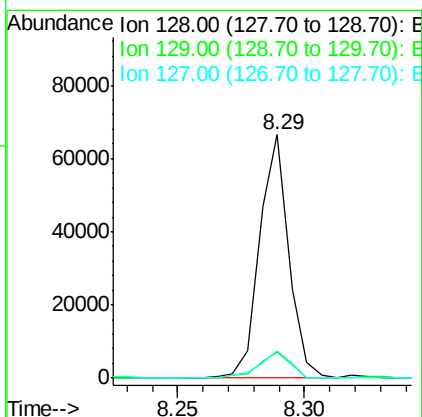
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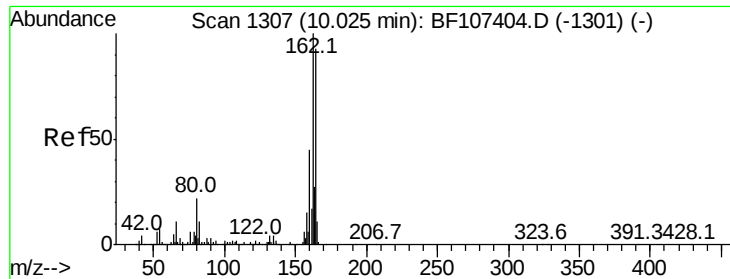
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#31
Naphthalene
Concen: 2.198 ng
RT: 8.29 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Tgt Ion	Ratio	Resp Lower	Upper
128	100		
129	10.9	8.8	13.2
127	11.3	10.9	16.3





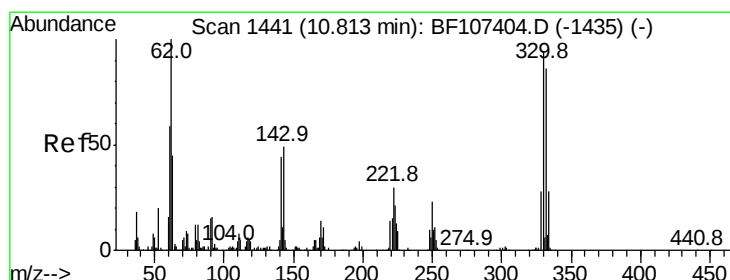
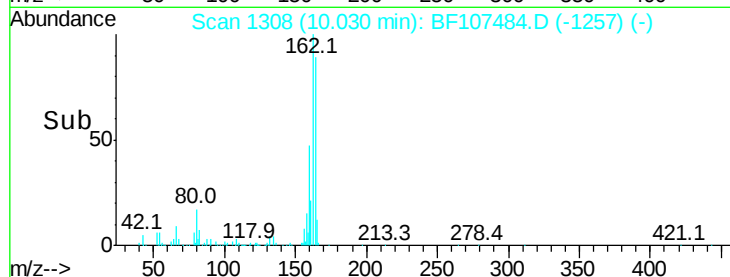
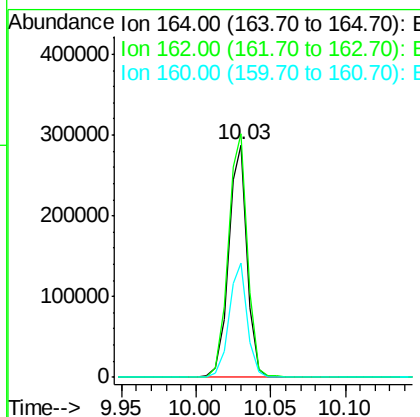
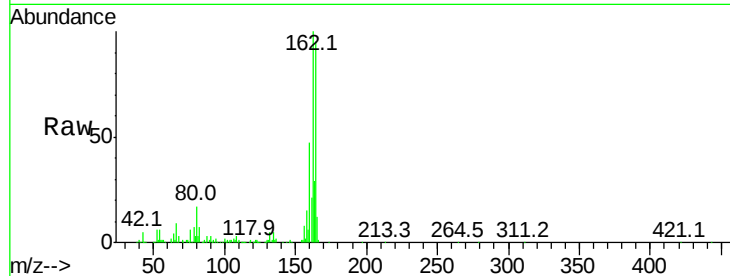
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Instrument :
BNA_F
ClientSampleId :
SB3-U-23-13

Tot Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	49.3	38.3	57.5

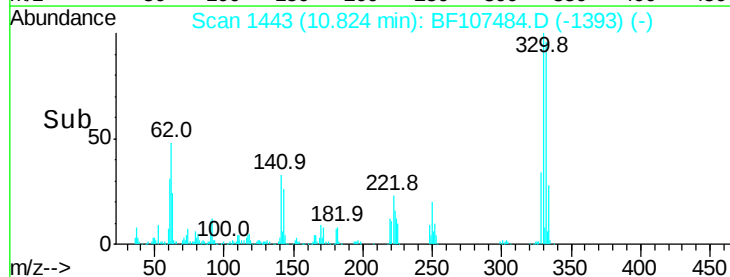
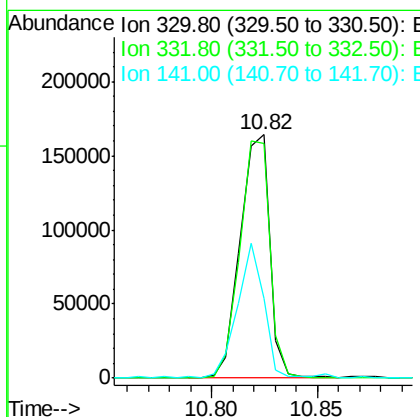
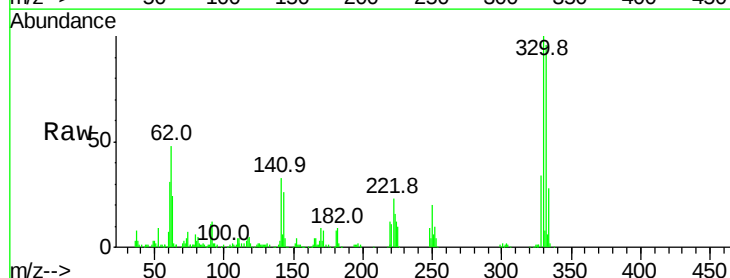
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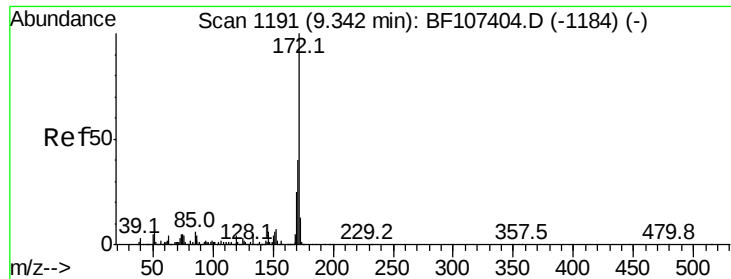
Sohil
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#41
2,4,6-Tribromophenol
Concen: 71.648 ng
RT: 10.82 min Scan# 1443
Delta R.T. -0.01 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	48.5	29.9	44.9#





#44

2-Fluorobiphenyl

Concen: 64.253 ng

RT: 9.34 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

ClientSampleId :

SB3-U-23-13

Tot Ion:172 Resp: 1018590

Ion Ratio Lower Upper

172 100

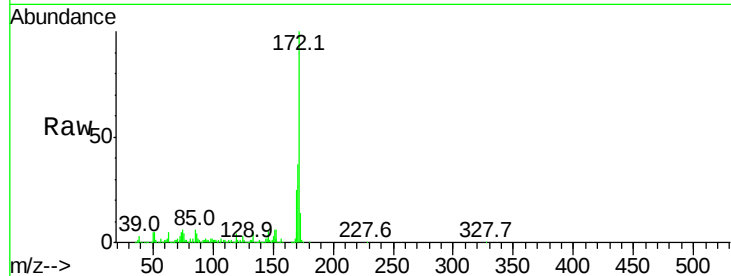
171 37.3 29.7 44.5

170 24.7 19.6 29.4

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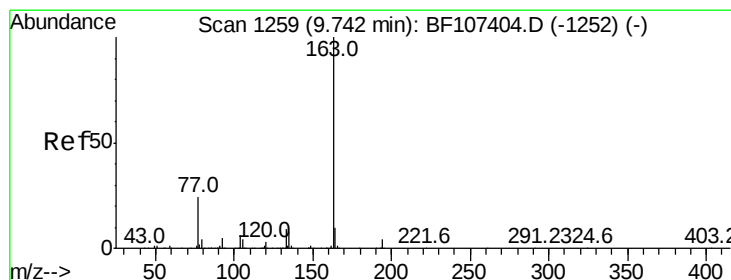
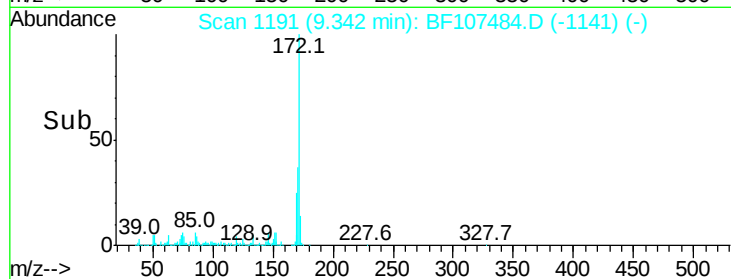
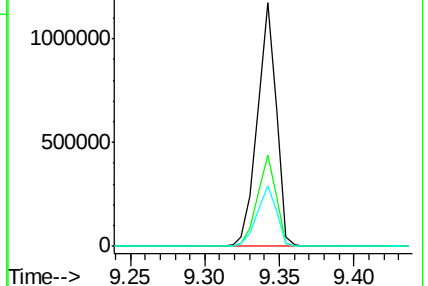
7/19/2018 11:49:45 AM



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: 8.360 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

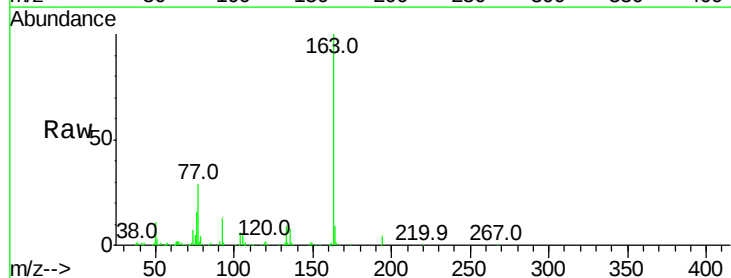
Tgt Ion:163 Resp: 168618

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

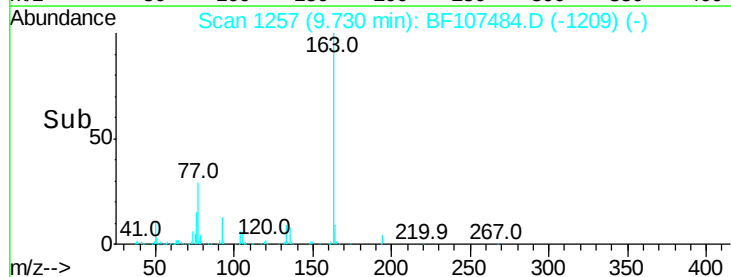
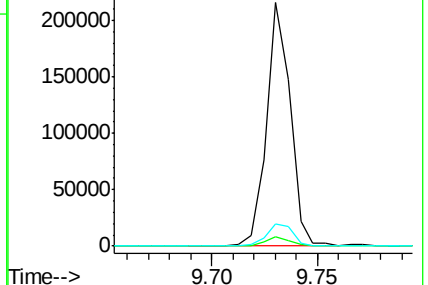
164 9.4 8.2 12.2

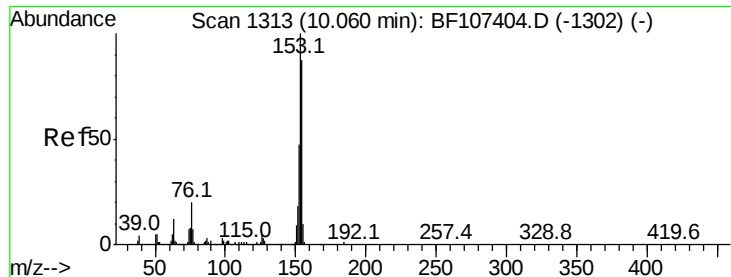


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.495 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

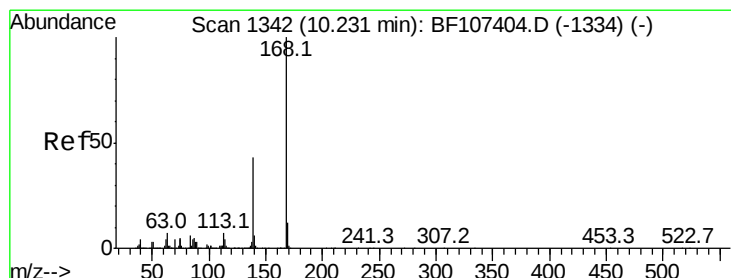
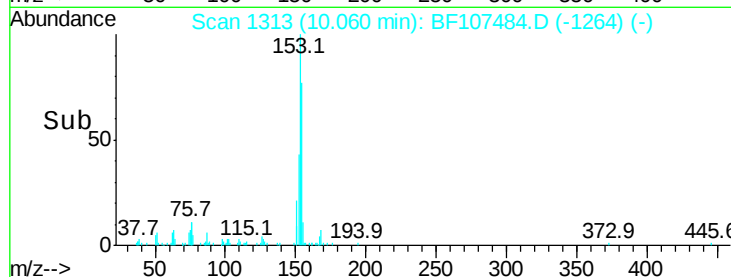
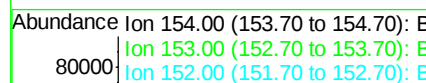
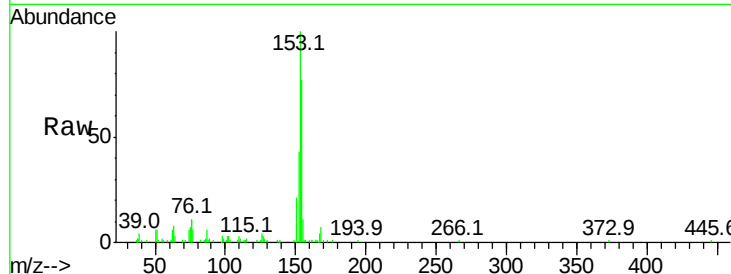
ClientSampleId :

SB3-U-23-13

Tot Ion:	154	Resp:	40017
Ion Ratio	Lower	Upper	
154	100		
153	130.5	91.2	136.8
152	56.4	43.8	65.8

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#54

Dibenzofuran

Concen: 2.328 ng

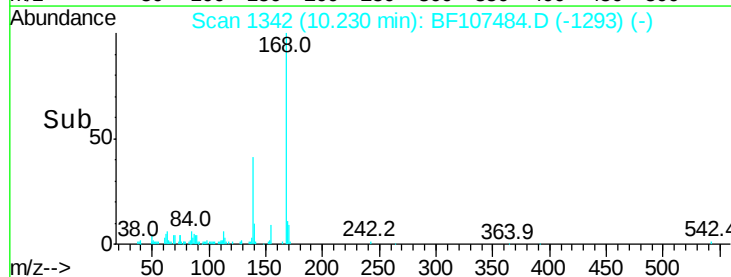
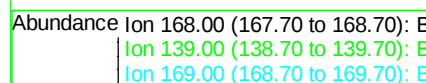
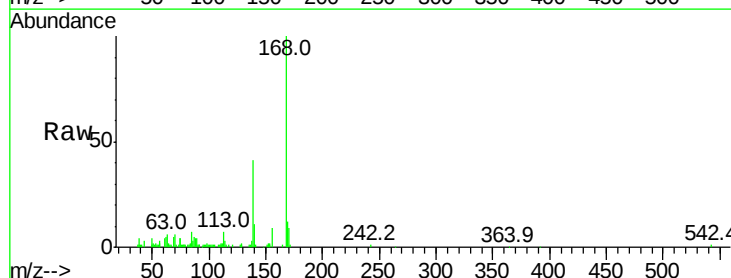
RT: 10.23 min Scan# 1342

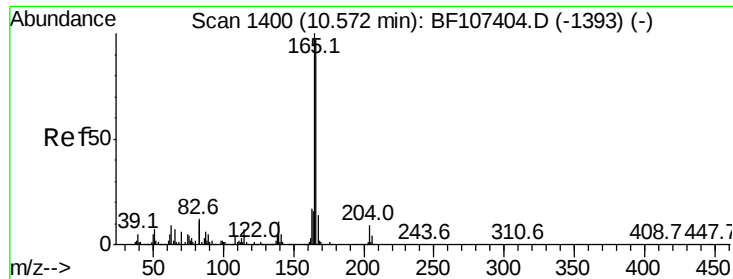
Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion:	168	Resp:	57703
Ion Ratio	Lower	Upper	
168	100		
139	41.3	30.1	45.1
169	11.6	10.9	16.3





#57

Fluorene

Concen: 4.218 ng

RT: 10.58 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

ClientSampleId :

SB3-U-23-13

Tot Ion:166 Resp: 69241

Ion Ratio Lower Upper

166 100

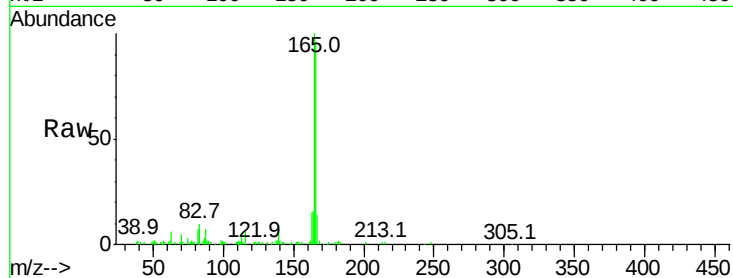
165 104.4 79.8 119.8

167 15.0 10.6 16.0

Manual Integrations
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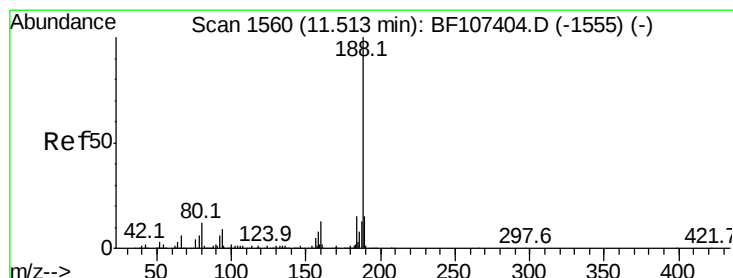
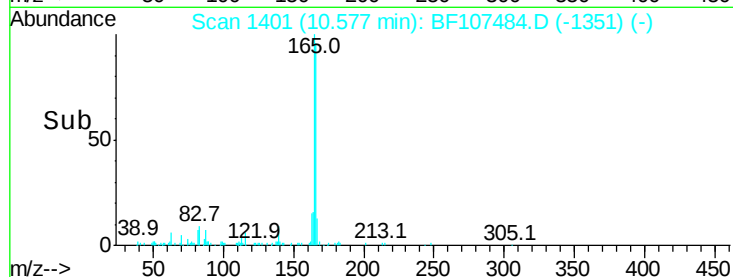
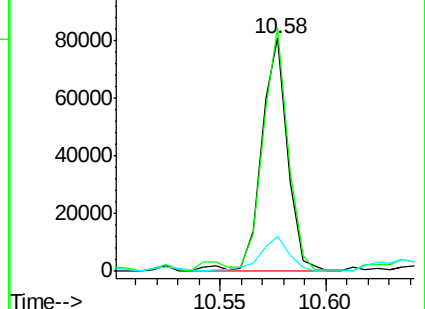
7/19/2018 11:49:45 AM



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# 1562

Delta R.T. -0.00 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

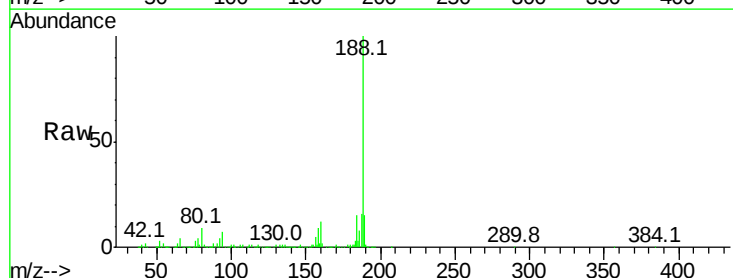
Tgt Ion:188 Resp: 437728

Ion Ratio Lower Upper

188 100

94 7.1 8.5 12.7#

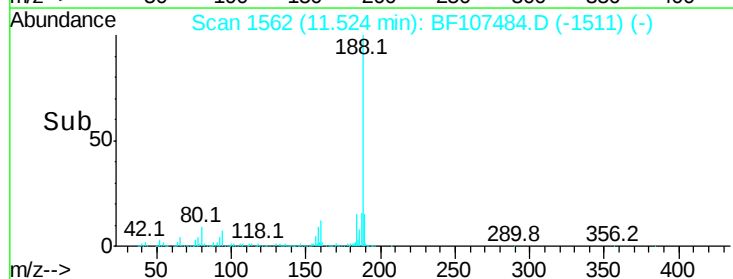
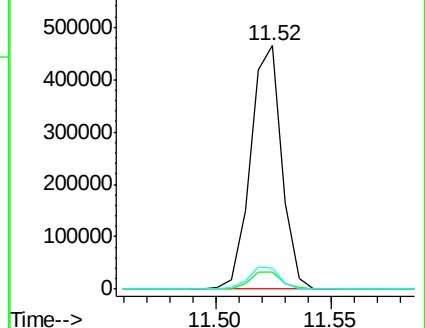
80 8.6 9.2 13.8#

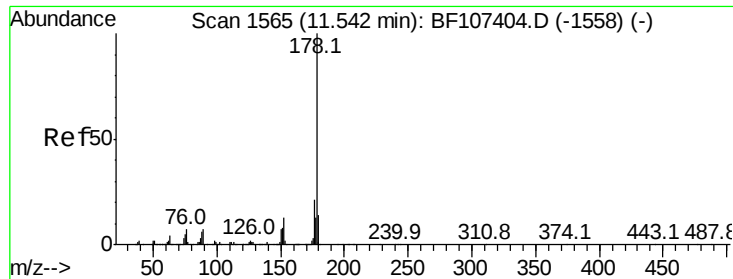


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#70

Phenanthrene

Concen: 39.794 ng

RT: 11.55 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

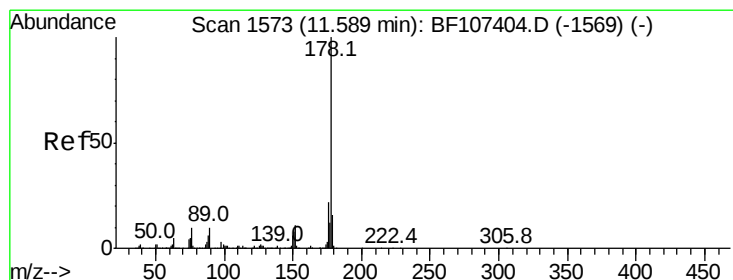
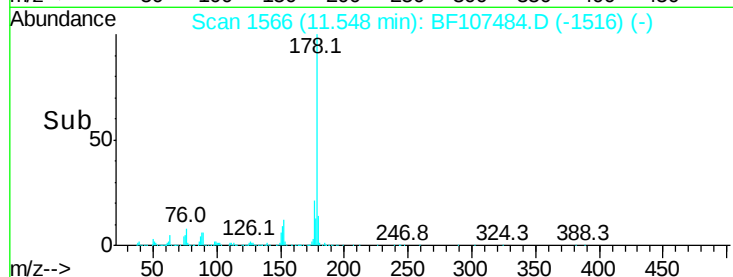
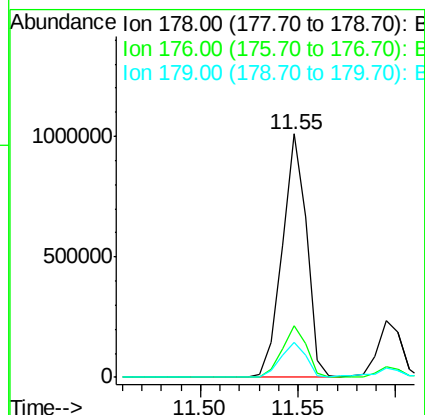
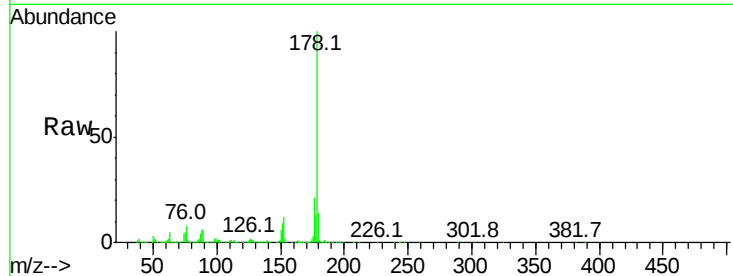
ClientSampled :

SB3-U-23-13

Tot Ion:178	Resp:	868095
Ion Ratio	Lower	Upper
178 100		
176 21.1	15.8	23.8
179 14.1	13.0	19.6

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#71

Anthracene

Concen: 8.878 ng

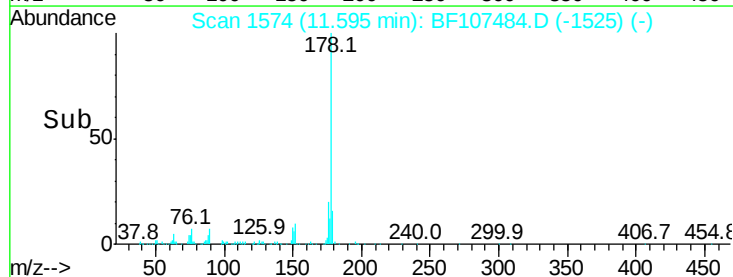
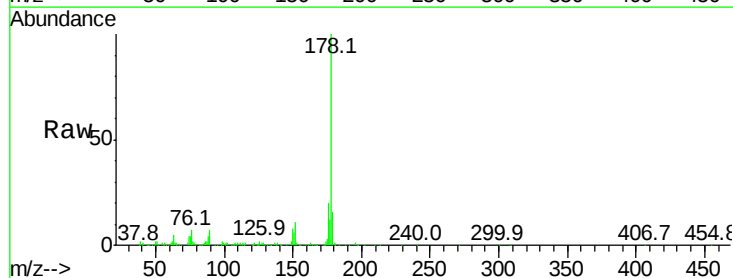
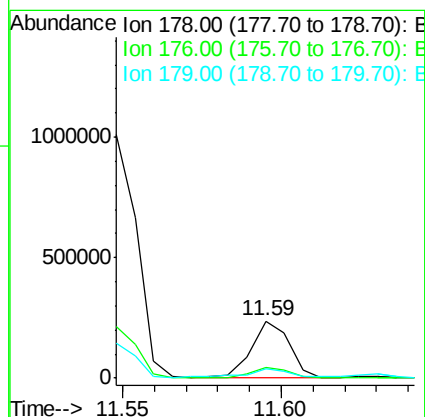
RT: 11.59 min Scan# 1574

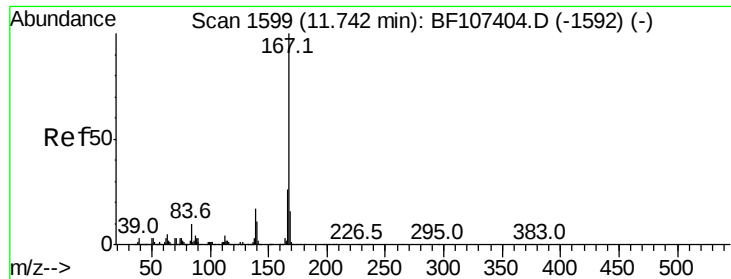
Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion:178	Resp:	192908
Ion Ratio	Lower	Upper
178 100		
176 19.6	15.4	23.2
179 15.8	12.6	19.0





#72

Carbazole

Concen: 2.516 ng

RT: 11.75 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

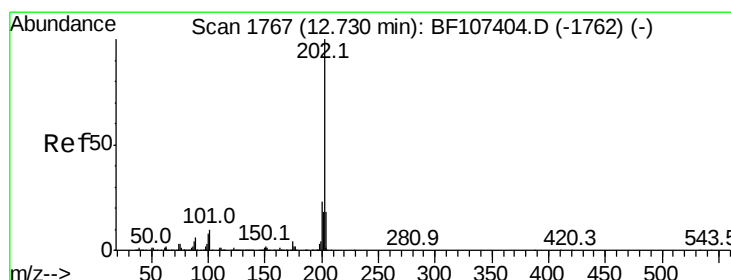
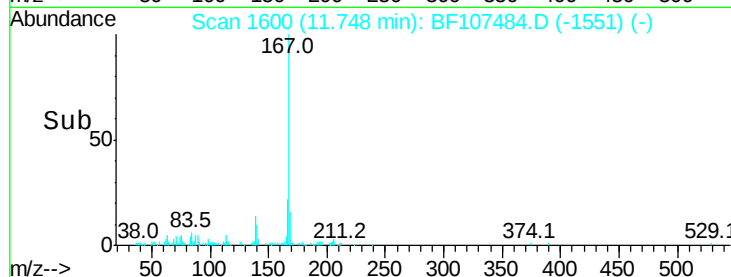
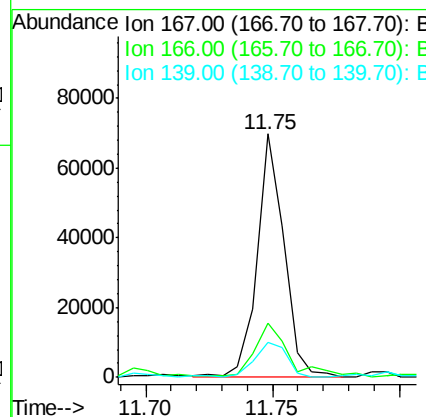
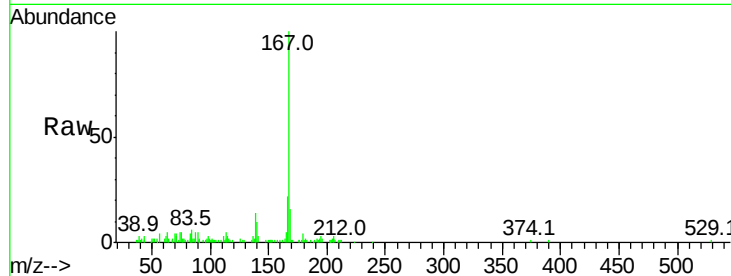
ClientSampleId :

SB3-U-23-13

Tot Ion:	167	Resp:	51750
Ion Ratio	Lower	Upper	
167	100		
166	22.0	17.6	26.4
139	14.2	10.9	16.3

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#74

Fluoranthene

Concen: 41.796 ng

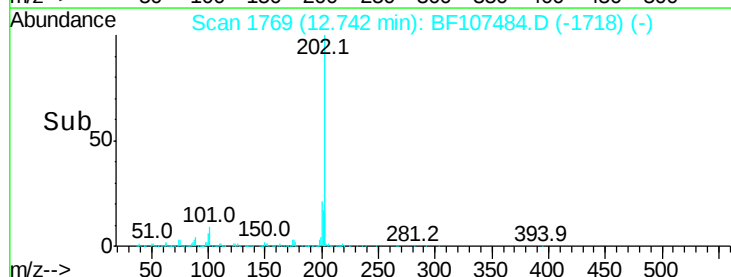
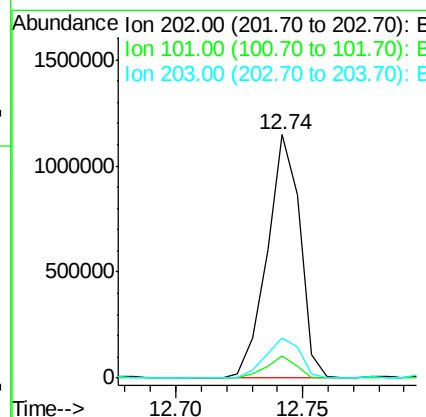
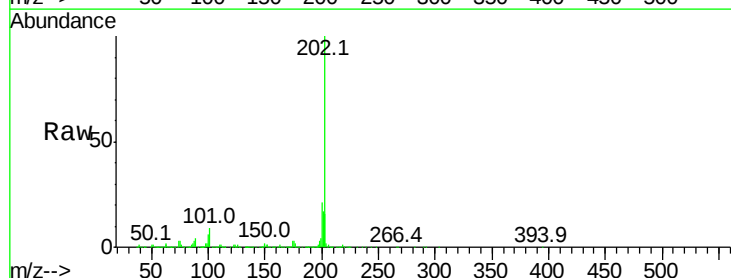
RT: 12.74 min Scan# 1769

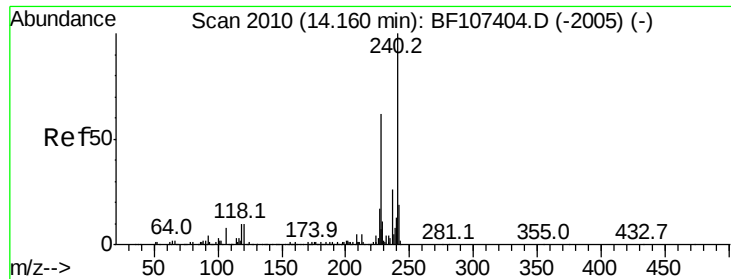
Delta R.T. -0.00 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion:	202	Resp:	1036309
Ion Ratio	Lower	Upper	
202	100		
101	8.9	0.0	34.1
203	16.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

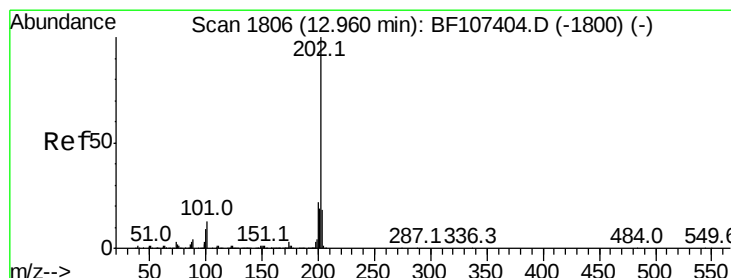
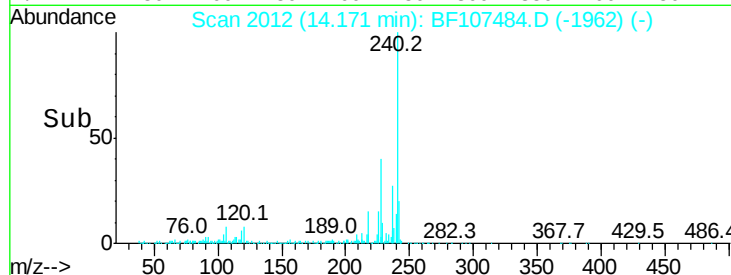
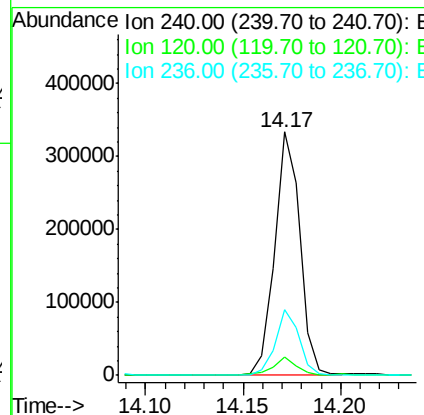
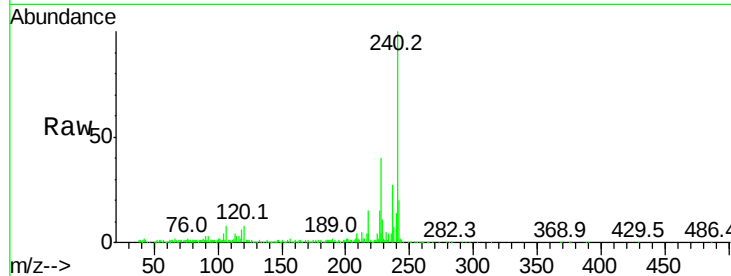
ClientSampleId :

SB3-U-23-13

Tot Ion	Ratio	Resp	Lower	Upper
240	100			
120	7.6	9.5	14.3	
236	27.2	20.7	31.1	

Manual Integrations
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#77

Pyrene

Concen: 45.672 ng

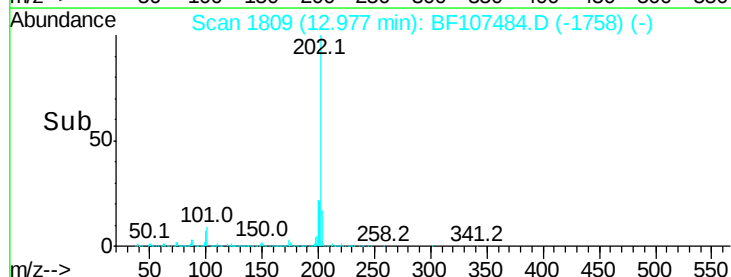
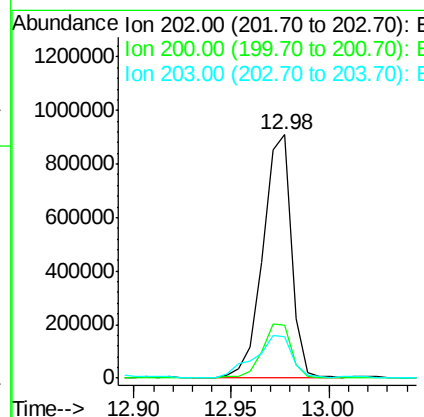
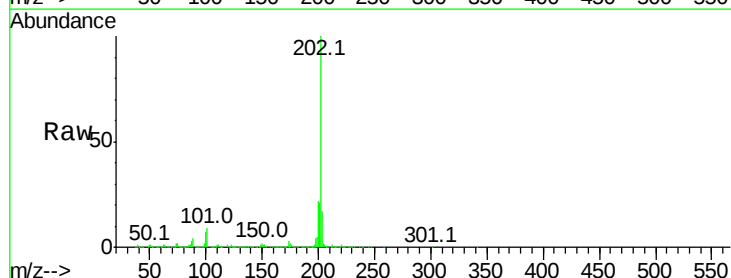
RT: 12.98 min Scan# 1809

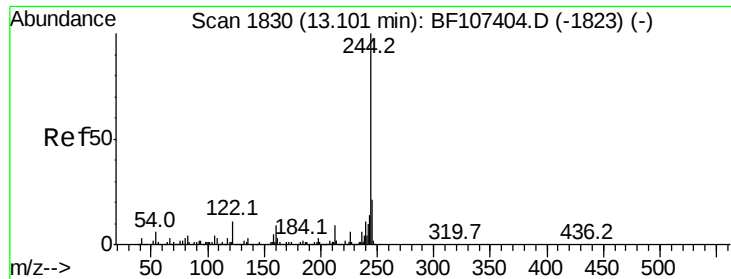
Delta R.T. 0.00 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.9	17.4	26.2	
203	17.1	14.3	21.5	





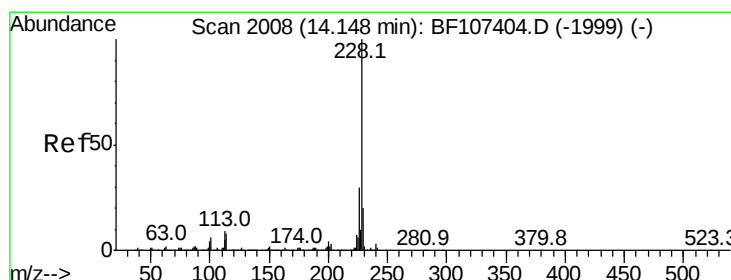
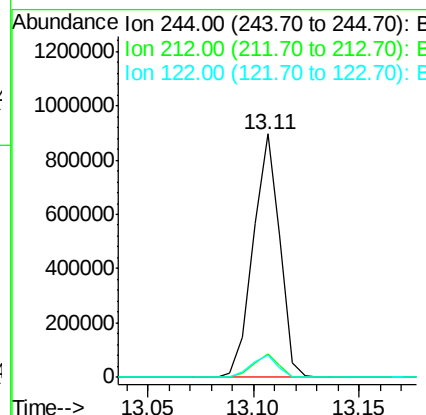
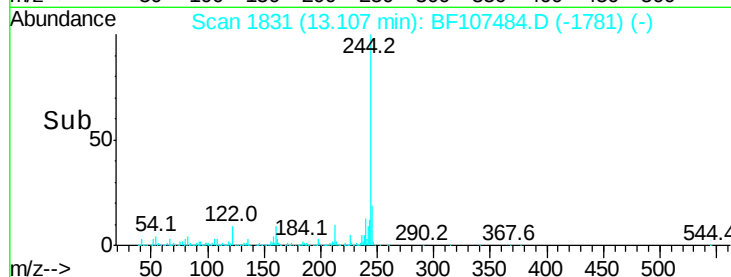
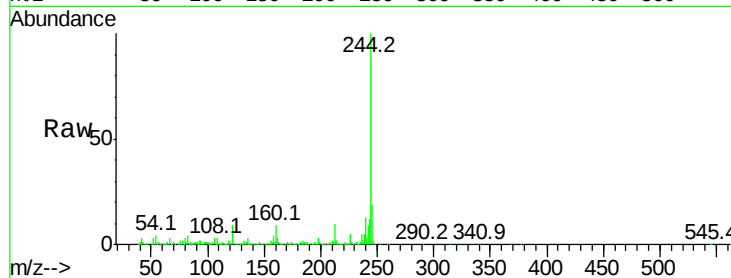
#78
 Terphenyl-d14
 Concen: 65.334 ng
 RT: 13.11 min Scan# 1831
 Delta R.T. -0.01 min
 Lab File: BF107484.D
 Acq: 18 Jul 2018 18:13

Instrument :
 BNA_F
 ClientSampleId :
 SB3-U-23-13

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.6	5.4	8.0#
122	9.2	11.0	16.4#

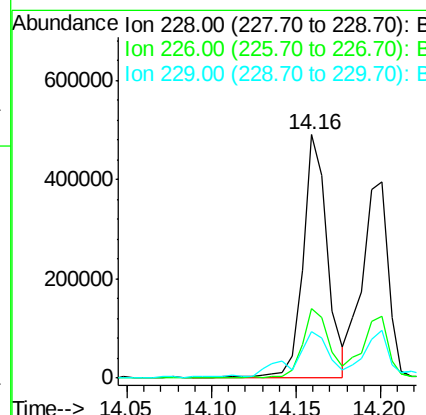
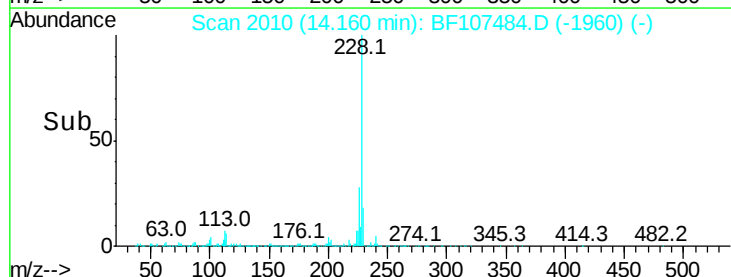
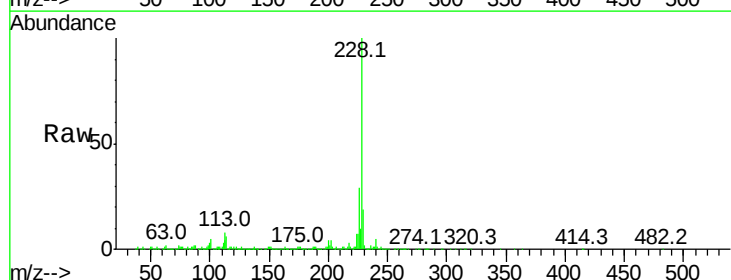
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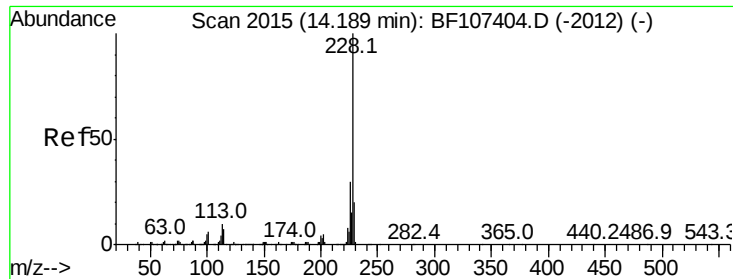
Sohil
 7/19/2018 11:49:45 AM



#80
 Benzo(a)anthracene
 Concen: 26.870 ng
 RT: 14.16 min Scan# 2010
 Delta R.T. -0.01 min
 Lab File: BF107484.D
 Acq: 18 Jul 2018 18:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	18.9	15.8	23.6





#82

Chrysene

Concen: 24.860 ng/mL

RT: 14.20 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

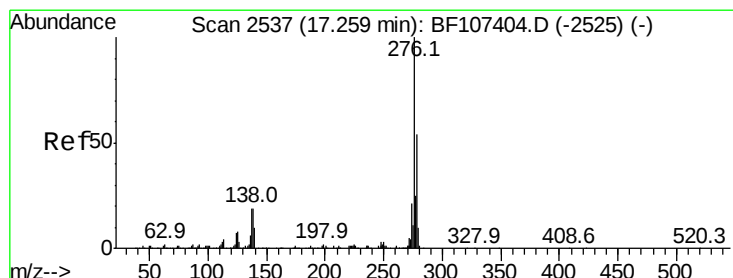
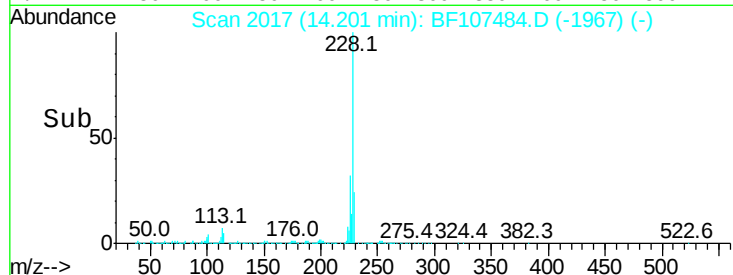
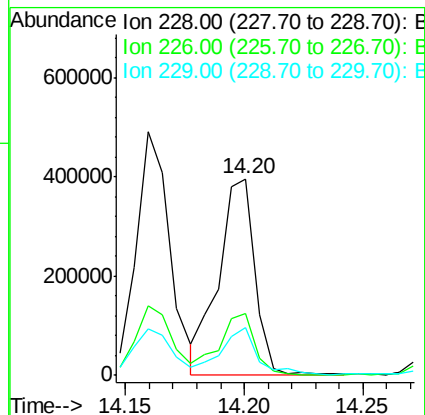
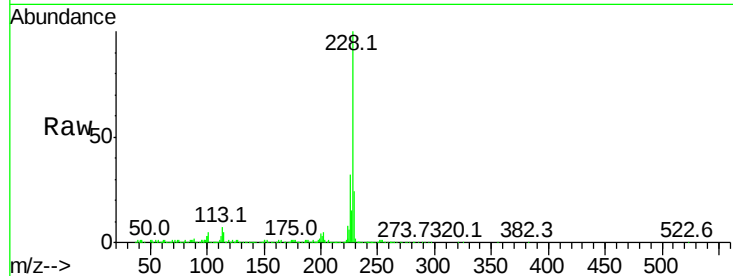
ClientSampleId :

SB3-U-23-13

Tot Ion:	228	Resp:	431962
Ion Ratio	Lower	Upper	
228	100		
226	31.8	25.0	37.6
229	24.5	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 13.612 ng/mL

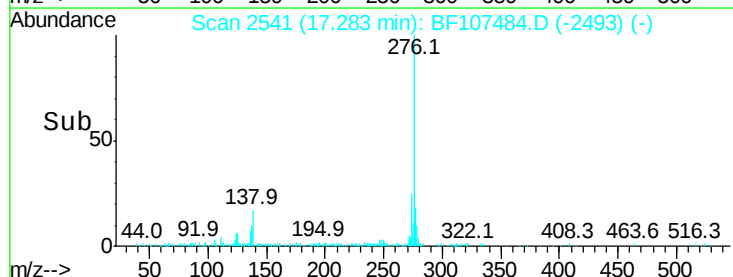
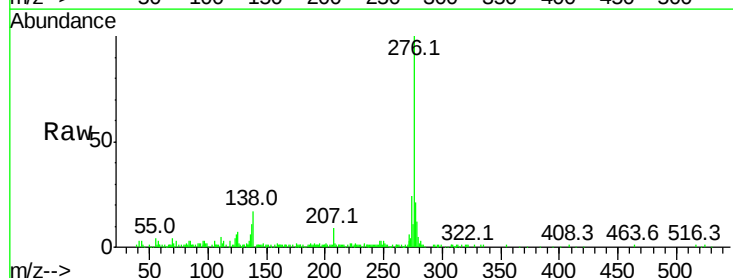
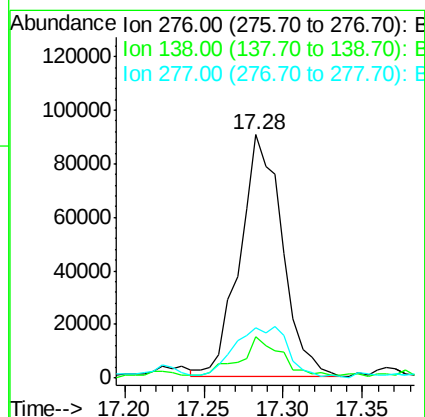
RT: 17.28 min Scan# 2541

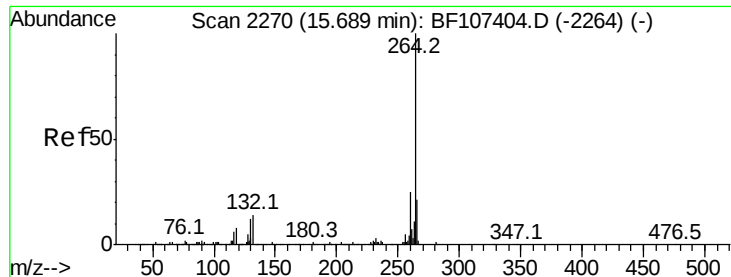
Delta R.T. -0.02 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion:	276	Resp:	168361
Ion Ratio	Lower	Upper	
276	100		
138	15.6	25.0	37.6
277	26.6	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2274

Delta R.T. 0.00 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

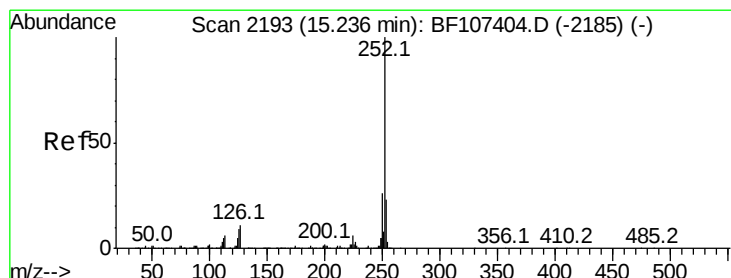
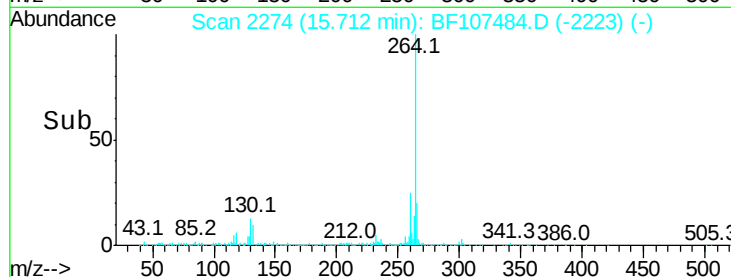
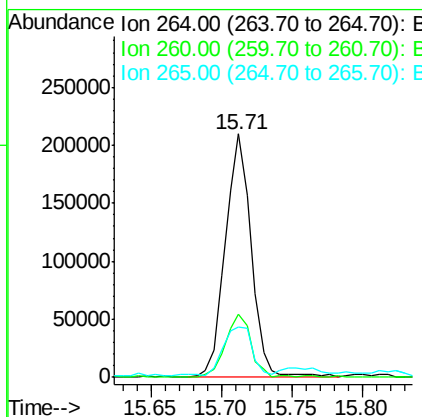
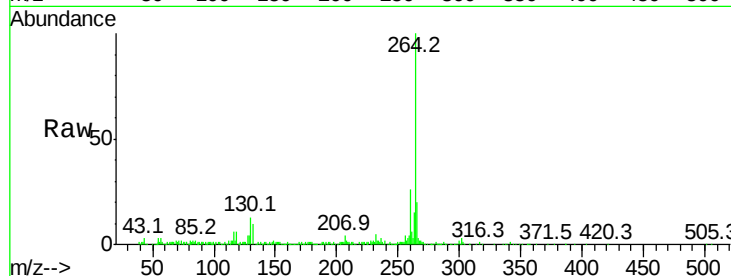
ClientSampleId :

SB3-U-23-13

Tot Ion:	264	Resp:	269280
Ion Ratio	Lower	Upper	
264	100		
260	25.7	19.2	28.8
265	20.4	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 32.316 ng m

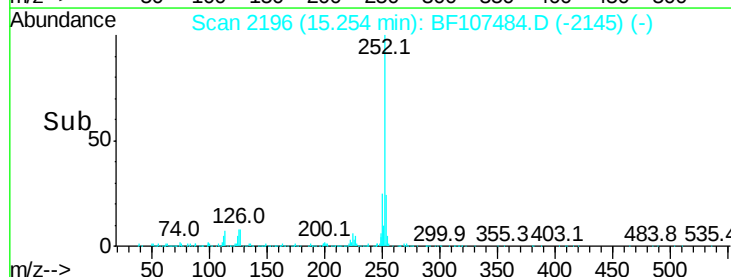
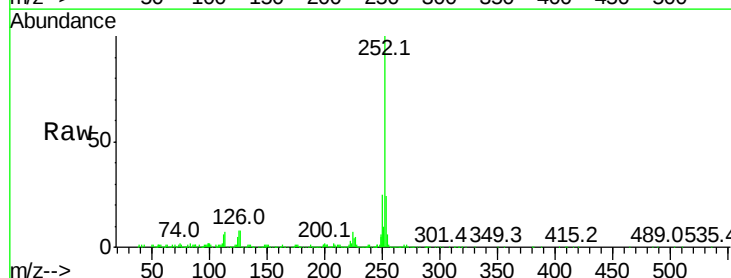
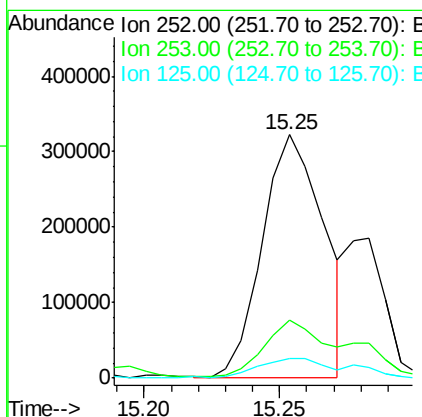
RT: 15.25 min Scan# 2196

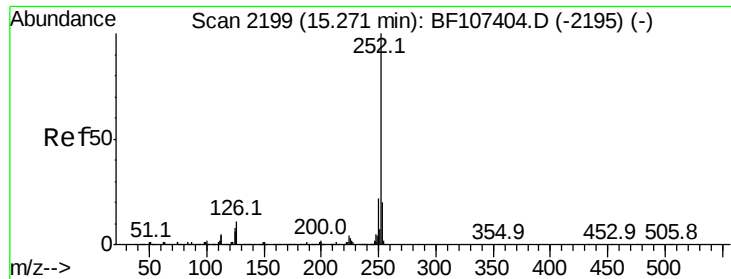
Delta R.T. 0.00 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion:	252	Resp:	509347
Ion Ratio	Lower	Upper	
252	100		
253	23.8	17.0	25.6
125	8.1	9.0	13.6#





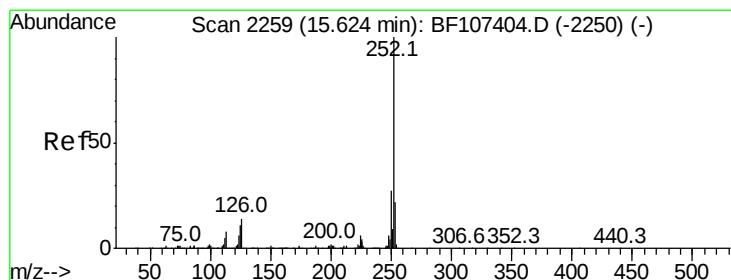
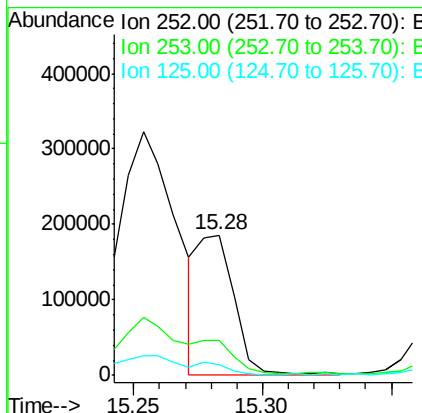
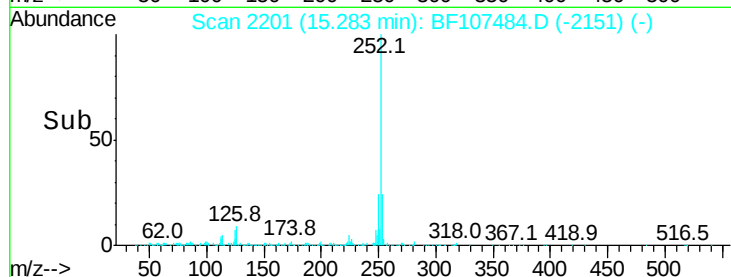
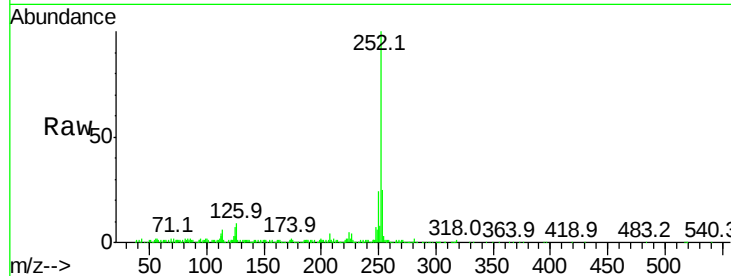
#88
Benzo(k)fluoranthene
Concen: 11.773 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Instrument :
BNA_F
ClientSampleId :
SB3-U-23-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	7.4	10.2	15.2

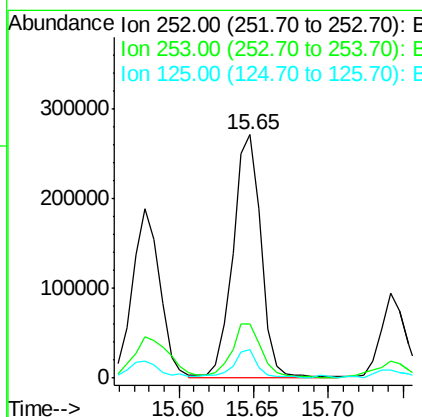
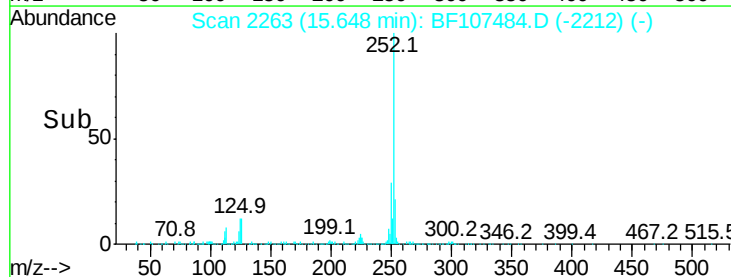
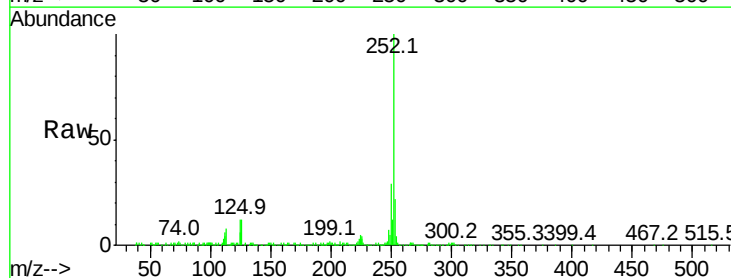
Manual Integrations
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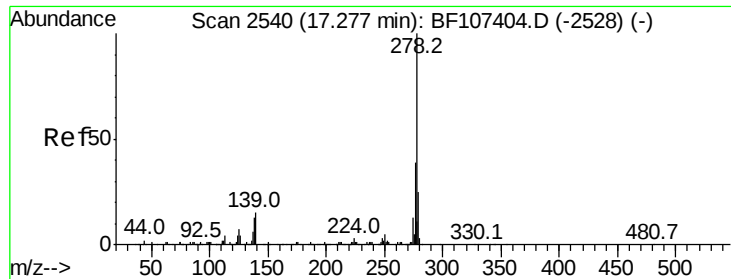
Sohil
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#89
Benzo(a)pyrene
Concen: 24.366 ng
RT: 15.65 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF107484.D
Acq: 18 Jul 2018 18:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	11.9	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.707 ng

RT: 17.30 min Scan# 2544

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Instrument :

BNA_F

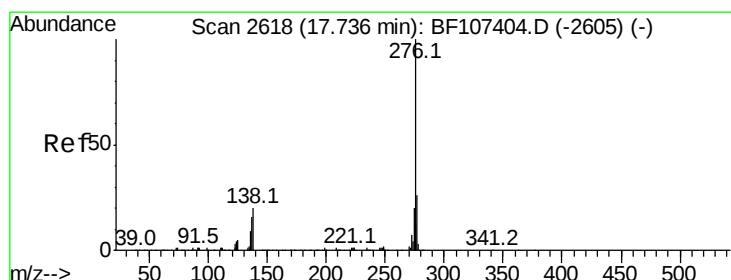
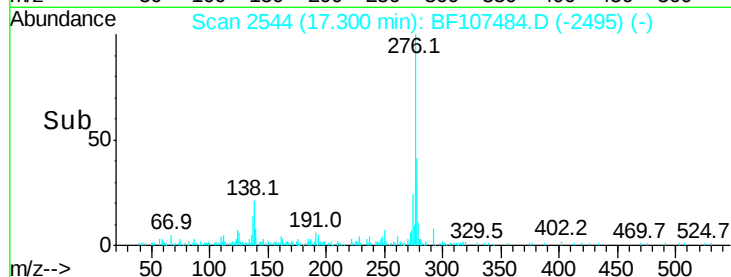
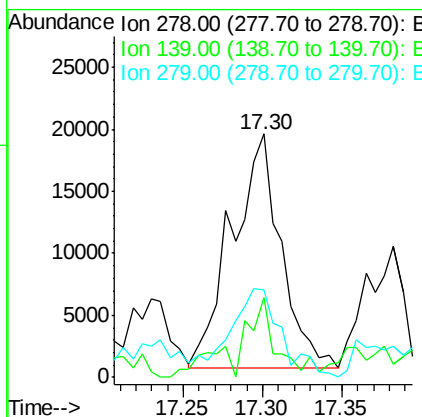
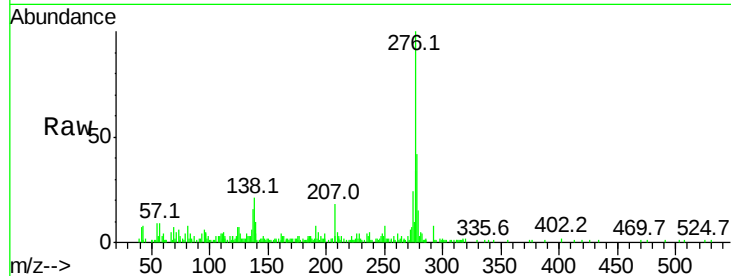
ClientSampled :

SB3-U-23-13

Tot Ion:	278	Resp:	40476
Ion Ratio	Lower	Upper	
278	100		
139	33.0	15.9	23.9#
279	36.0	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 13.535 ng

RT: 17.77 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF107484.D

Acq: 18 Jul 2018 18:13

Tgt Ion:	276	Resp:	150154
Ion Ratio	Lower	Upper	
276	100		
277	28.4	17.9	26.9#
138	18.3	21.8	32.8#

