

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107485.D
 Acq On : 18 Jul 2018 18:40
 Operator : JU/SJ
 Sample : J4016-20
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB5-U-23-13

Manual Integrations
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Sohil
 7/19/2018 11:49:47 AM

Quant Time: Jul 19 01:07:56 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	142537	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	510907	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	259463	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	476547	20.00	ng	0.00
75) Chrysene-d12	14.17	240	321346	20.00	ng	0.00
86) Perylene-d12	15.71	264	297623	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.61	112	663211	70.67	ng	0.00
7) Phenol-d6	6.61	99	873765	72.01	ng	0.00
23) Nitrobenzene-d5	7.55	82	670333	69.96	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	167644	73.54	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1051539	65.03	ng	0.00
78) Terphenyl-d14	13.11	244	859895	66.49	ng	0.00

Target Compounds

						Qvalue
31) Naphthalene	8.29	128	81093	3.268	ng	# 91
49) Dimethylphthalate	9.73	163	170714	8.281	ng	97
51) Acenaphthene	10.06	154	59069	3.604	ng	91
54) Dibenzofuran	10.23	168	51261	2.024	ng	# 96
57) Fluorene	10.58	166	59728	3.560	ng	95
70) Phenanthrene	11.55	178	673774	28.371	ng	98
71) Anthracene	11.60	178	168272	7.114	ng	97
72) Carbazole	11.75	167	68159	3.044	ng	96
74) Fluoranthene	12.74	202	760060	28.158	ng	93
77) Pyrene	12.97	202	663950	30.384	ng	98
80) Benzo(a)anthracene	14.16	228	368598	18.747	ng	99
82) Chrysene	14.19	228	339349	18.068	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	122164	9.138	ng	# 89
87) Benzo(b)fluoranthene	15.25	252	399303m	22.922	ng	
88) Benzo(k)fluoranthene	15.28	252	120215m	7.071	ng	
89) Benzo(a)pyrene	15.65	252	271607	16.987	ng	# 95
90) Dibenzo(a,h)anthracene	17.29	278	30980	2.567	ng	# 88
91) Benzo(g,h,i)perylene	17.77	276	103304m	8.425	ng	

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

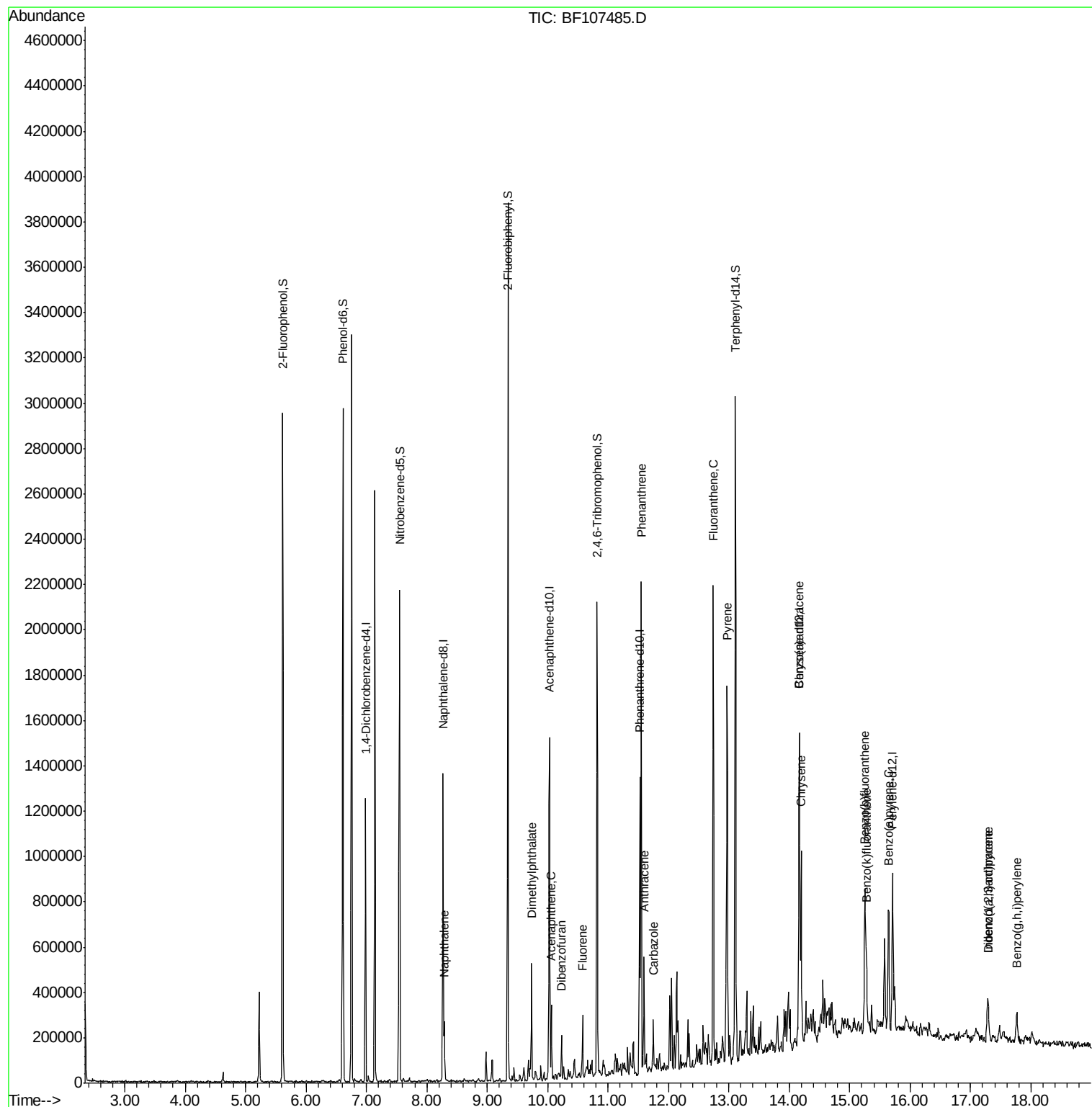
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
Data File : BF107485.D
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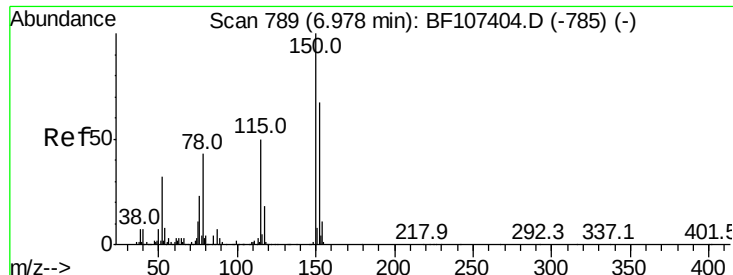
Instrument :
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#1

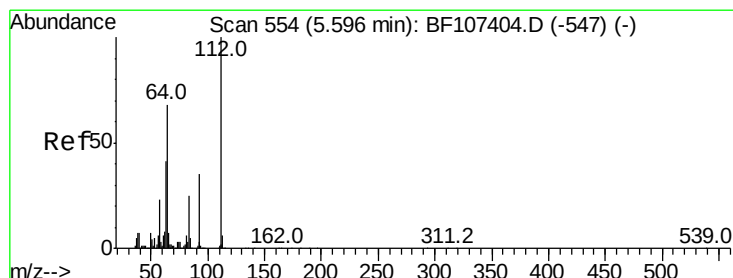
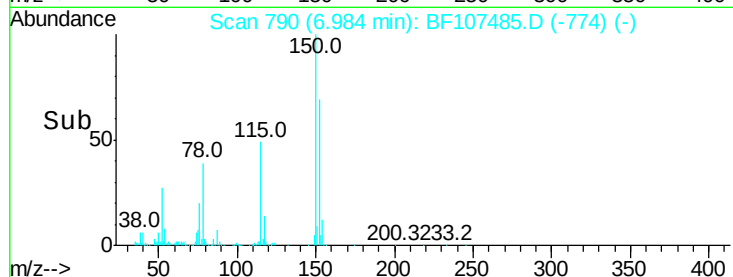
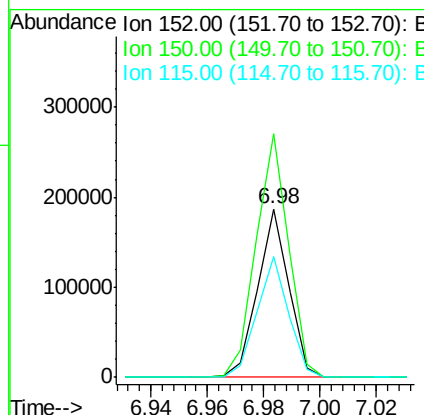
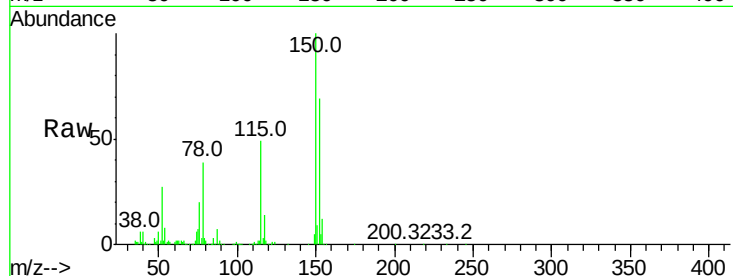
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Instrument :
BNA_F
ClientSampleId :
SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	144.5	124.6	186.8
115	71.4	50.1	75.1

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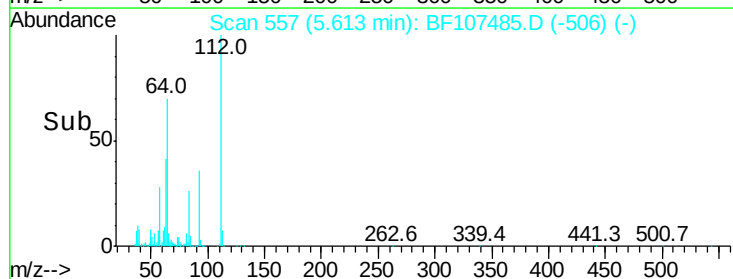
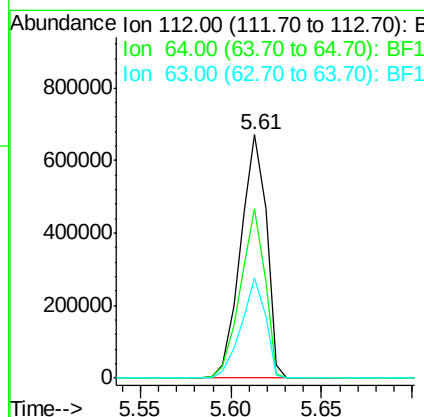
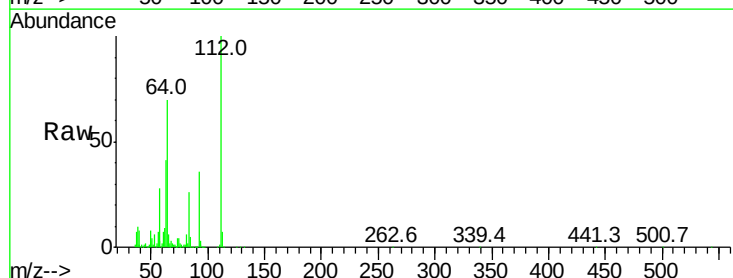
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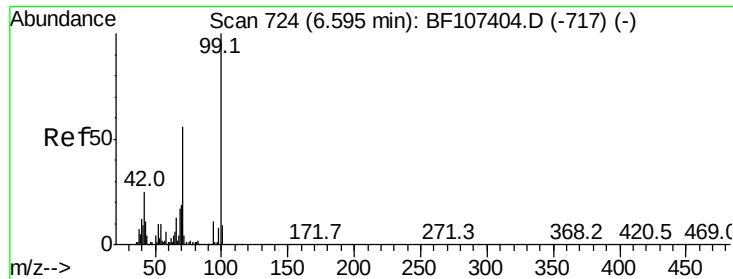


#5

2-Fluorophenol
Concen: 70.666 ng
RT: 5.61 min Scan# 557
Delta R.T. 0.00 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.7	47.9	71.9
63	41.2	23.7	35.5





#7

Phenol-d6

Concen: 72.010 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

ClientSampled :

SB5-U-23-13

Tot Ion: 99 Resp: 873765

Ion Ratio Lower Upper

99 100

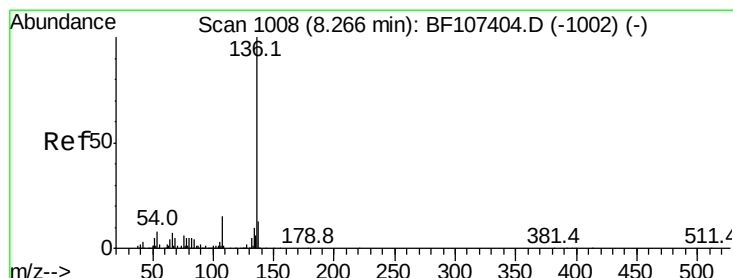
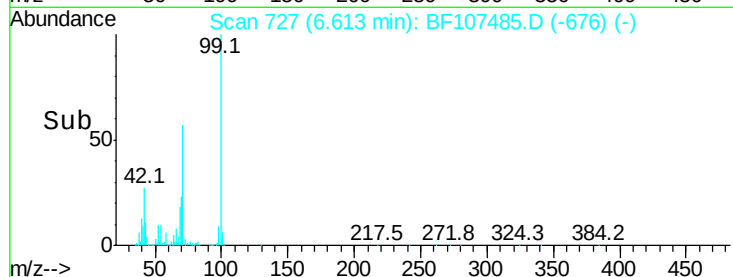
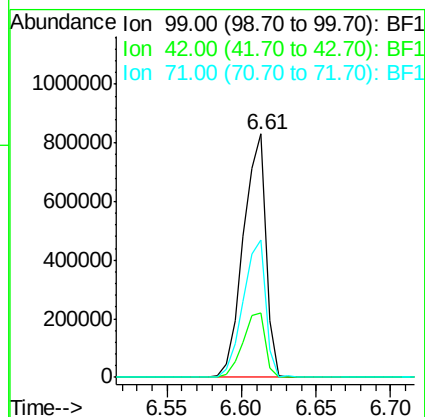
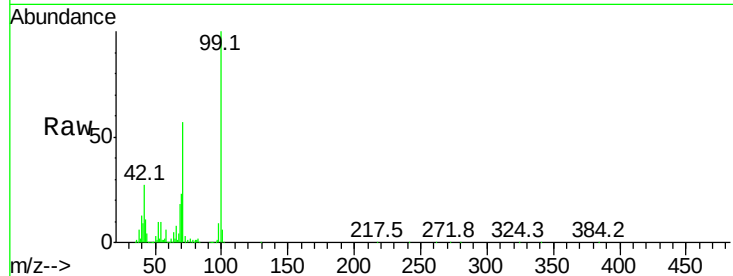
42 26.5 14.5 21.7#

71 56.6 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: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion: 136 Resp: 510907

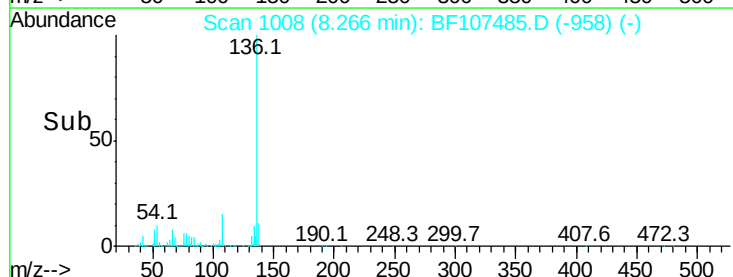
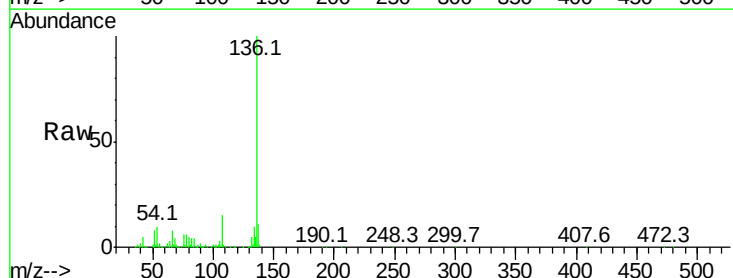
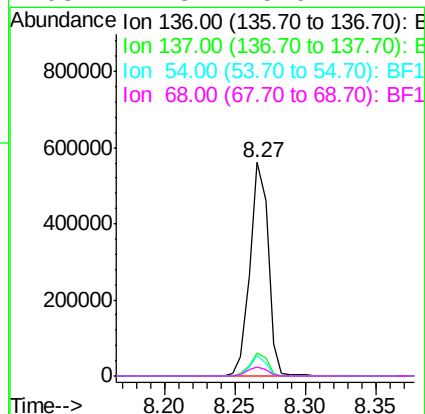
Ion Ratio Lower Upper

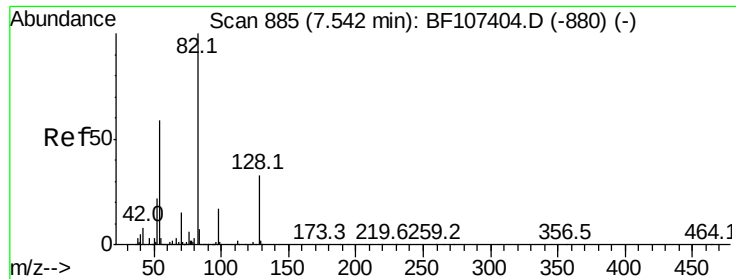
136 100

137 10.7 8.9 13.3

54 9.5 6.6 9.8

68 4.3 5.0 7.4#





#23

Nitrobenzene-d5

Concen: 69.964 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

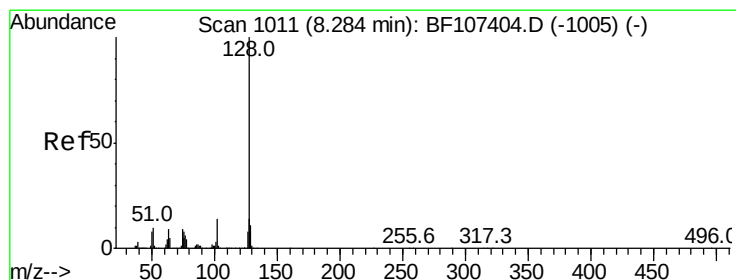
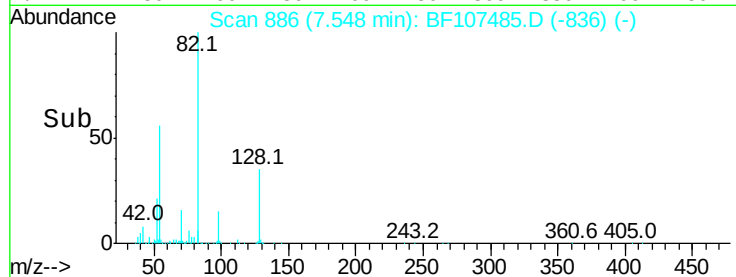
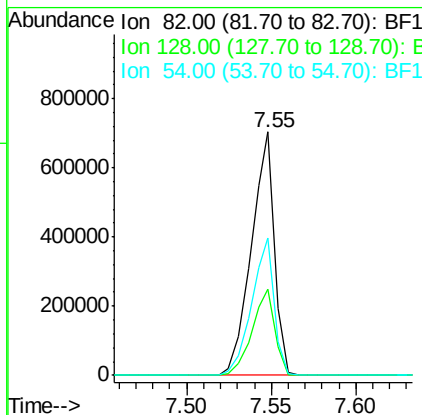
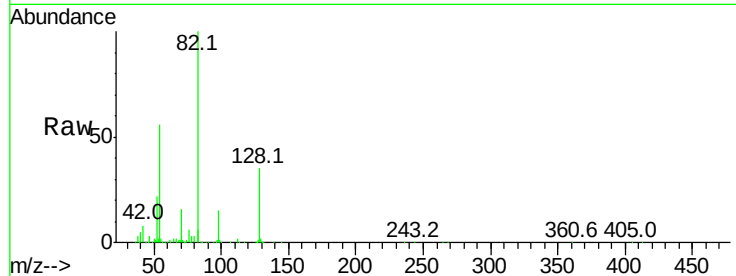
ClientSampleId :

SB5-U-23-13

Tot Ion:	82	Resp:	670333
Ion Ratio	Lower	Upper	
82	100		
128	35.5	36.1	54.1#
54	56.5	41.4	62.2

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#31

Naphthalene

Concen: 3.268 ng

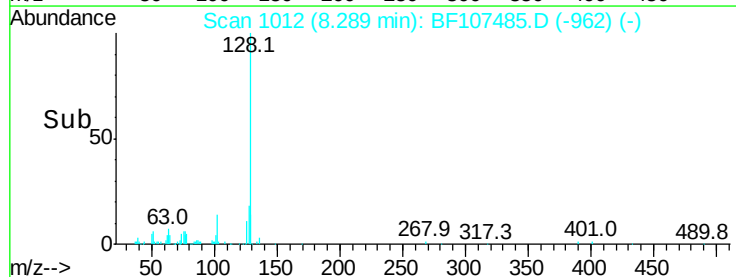
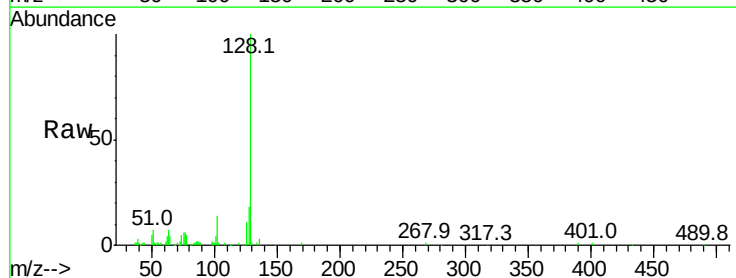
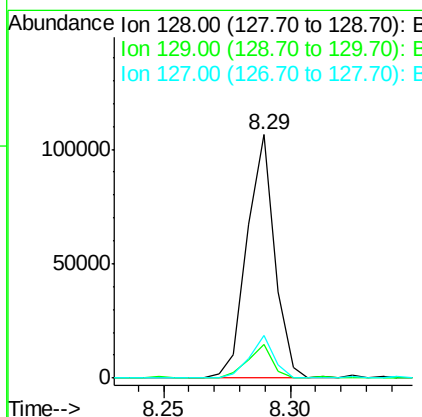
RT: 8.29 min Scan# 1012

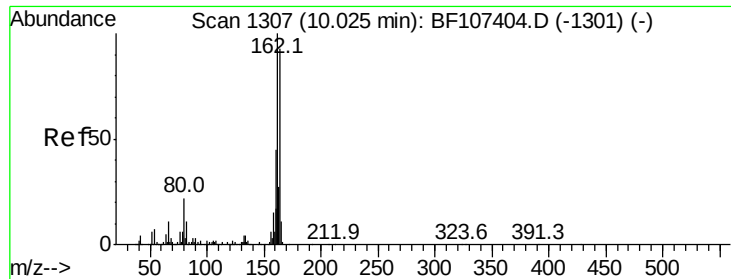
Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion:	128	Resp:	81093
Ion Ratio	Lower	Upper	
128	100		
129	13.7	8.8	13.2#
127	17.6	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: BF107485.D

Acq: 18 Jul 2018 18:40

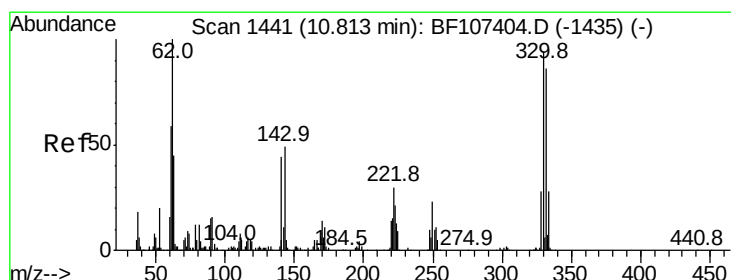
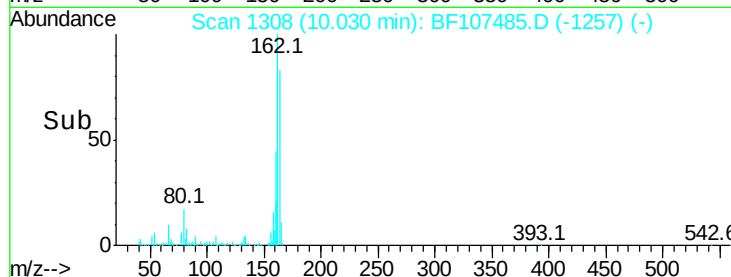
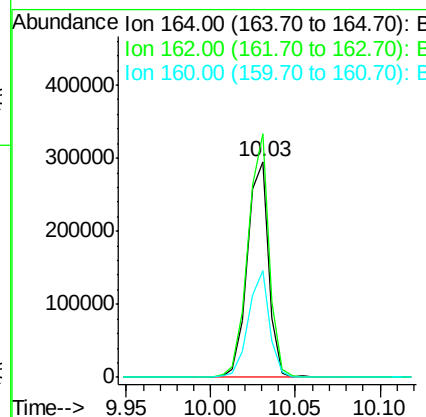
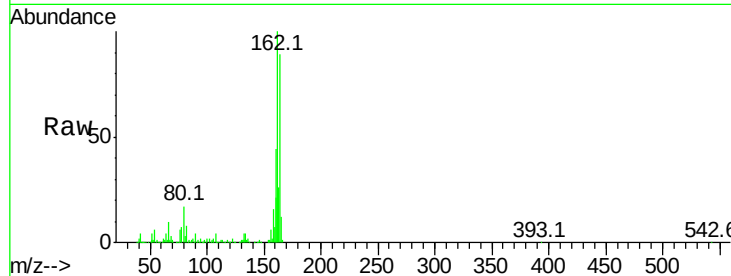
Instrument :
BNA_F

ClientSampleId :
SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
164	100		
162	112.8	86.1	129.1
160	49.5	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 73.538 ng

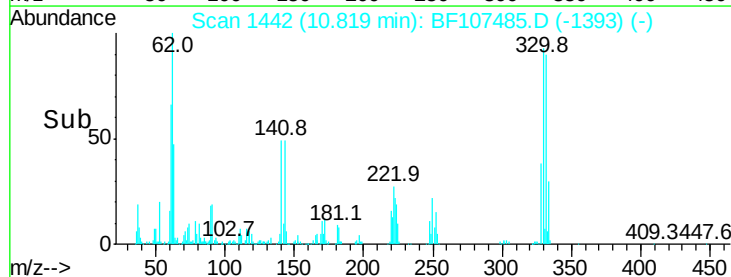
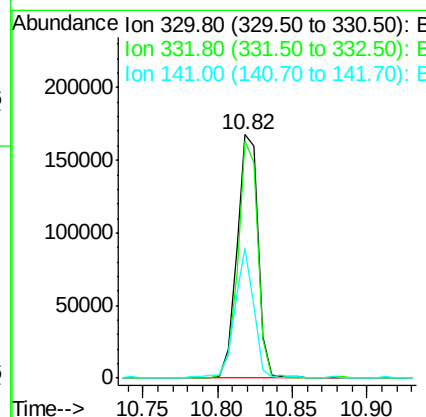
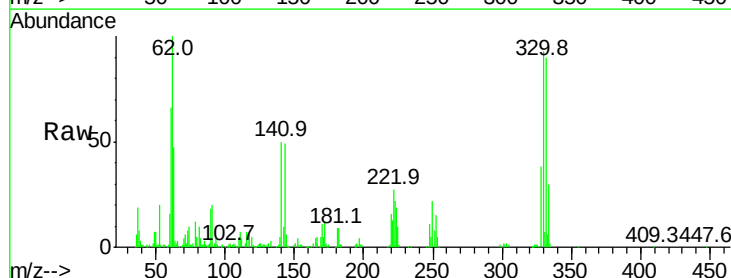
RT: 10.82 min Scan# 1442

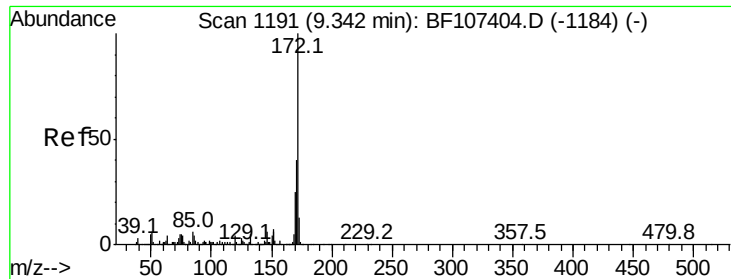
Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
330	100		
332	91.1	77.0	115.6
141	48.8	29.9	44.9#





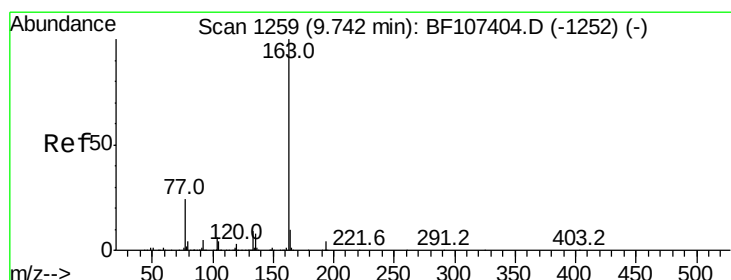
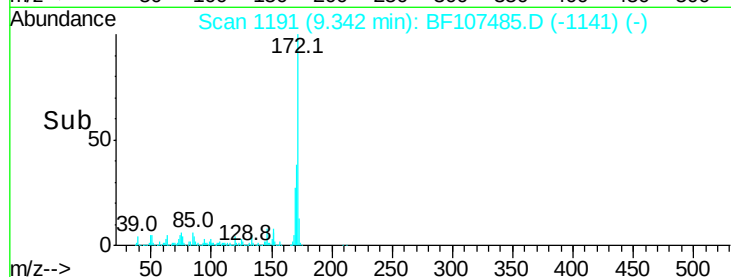
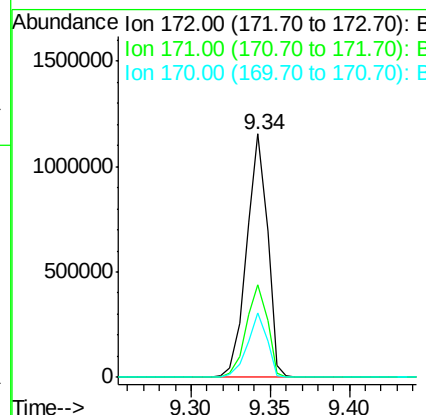
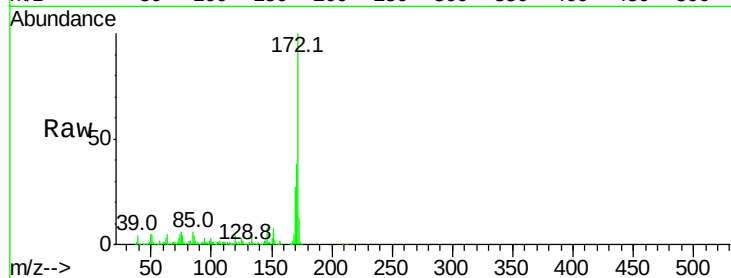
#44
2-Fluorobiphenyl
Concen: 65.026 ng
RT: 9.34 min Scan# 1191
Delta R.T. -0.01 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Instrument :
BNA_F
ClientSampleId :
SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.0	29.7	44.5
170	26.6	19.6	29.4

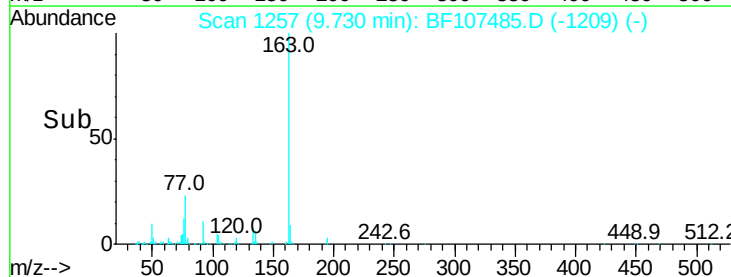
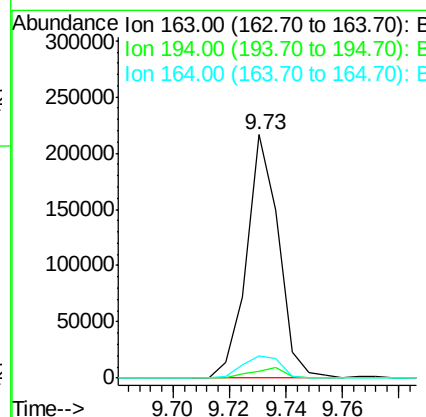
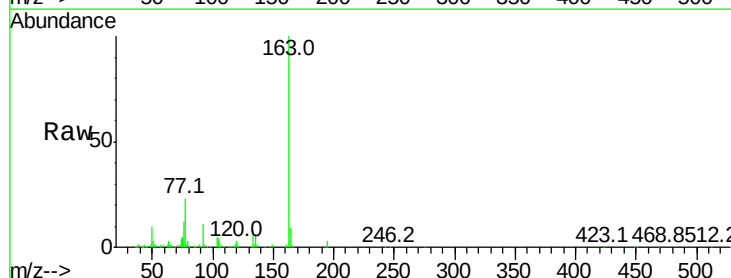
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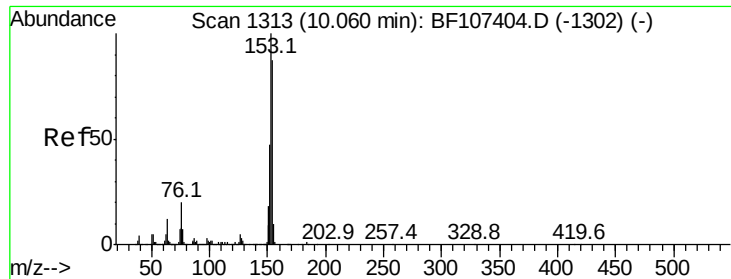
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#49
Dimethylphthalate
Concen: 8.281 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.0	2.7	4.1
164	8.9	8.2	12.2





#51

Acenaphthene

Concen: 3.604 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

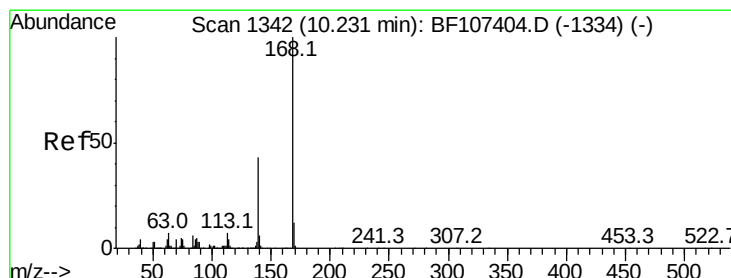
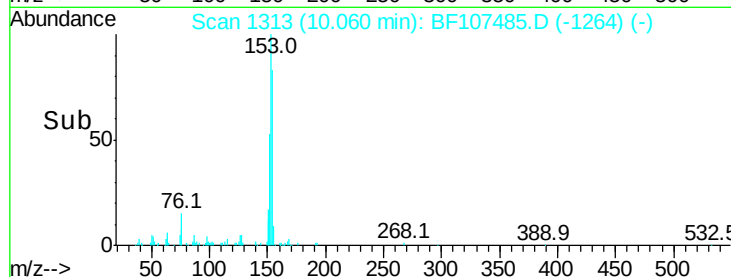
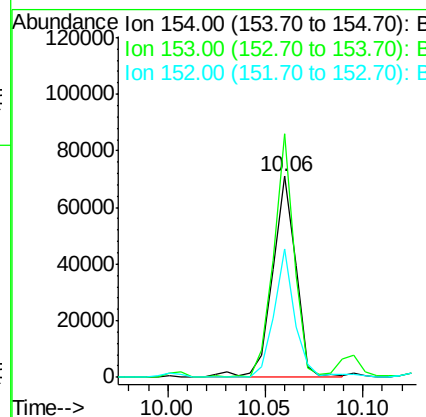
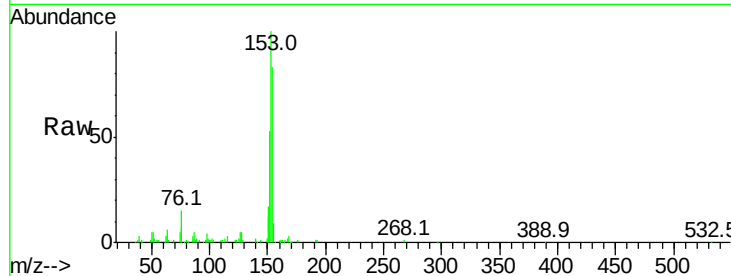
ClientSampleId :

SB5-U-23-13

Tot Ion:	154	Resp:	59069
Ion	Ratio	Lower	Upper
154	100		
153	121.1	91.2	136.8
152	64.0	43.8	65.8

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#54

Dibenzofuran

Concen: 2.024 ng

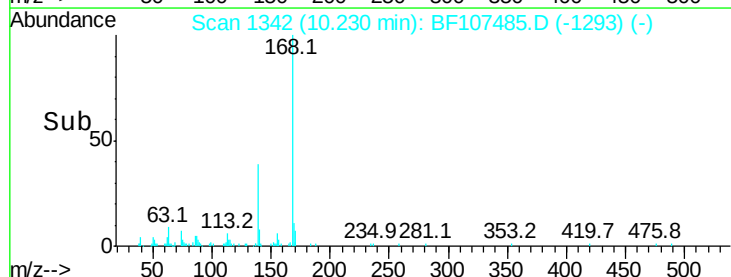
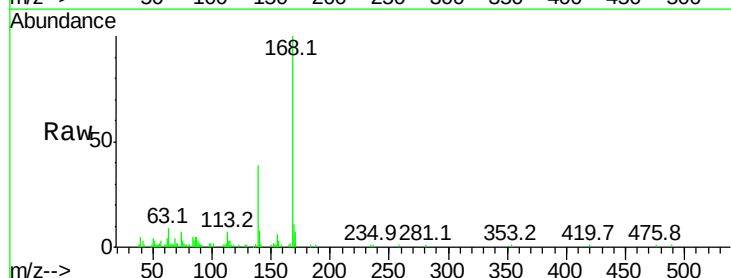
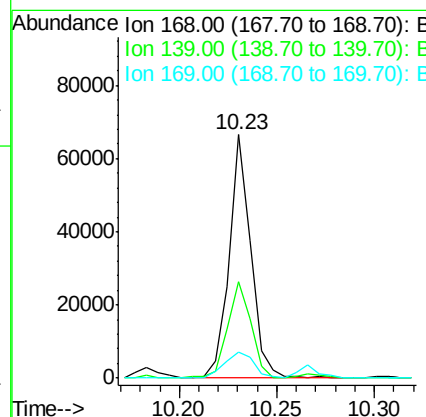
RT: 10.23 min Scan# 1342

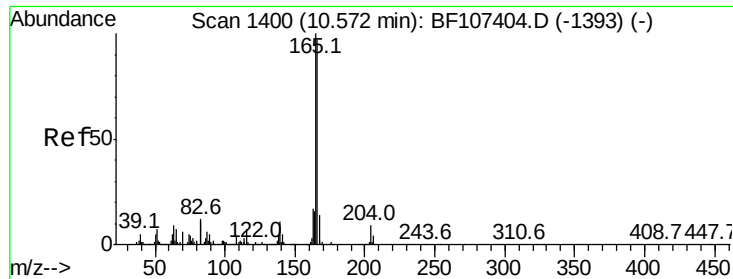
Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion:	168	Resp:	51261
Ion	Ratio	Lower	Upper
168	100		
139	39.4	30.1	45.1
169	10.6	10.9	16.3#





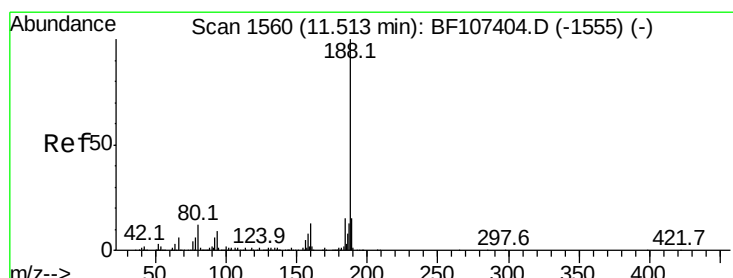
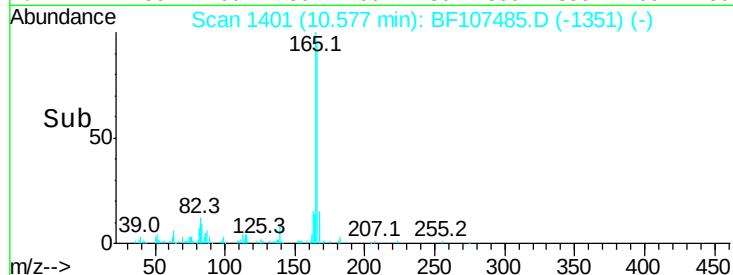
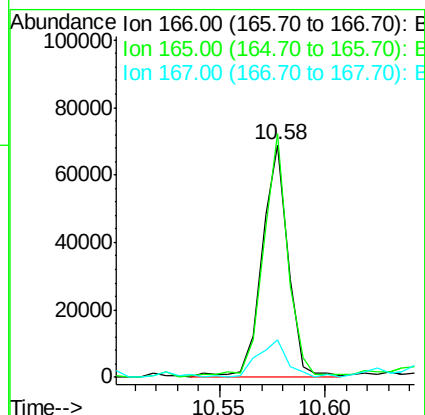
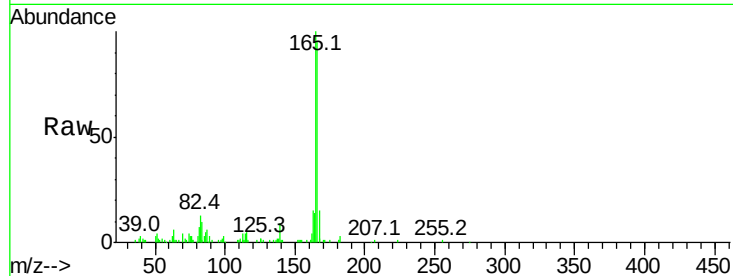
#57
Fluorene
 Concen: 3.560 ng
 RT: 10.58 min Scan# 1401
 Delta R.T. -0.01 min
 Lab File: BF107485.D
 Acq: 18 Jul 2018 18:40

Instrument :
 BNA_F
 ClientSampleId :
 SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
166	100		
165	104.7	79.8	119.8
167	15.9	10.6	16.0

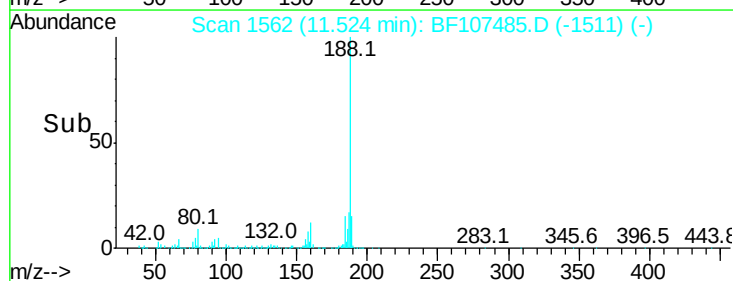
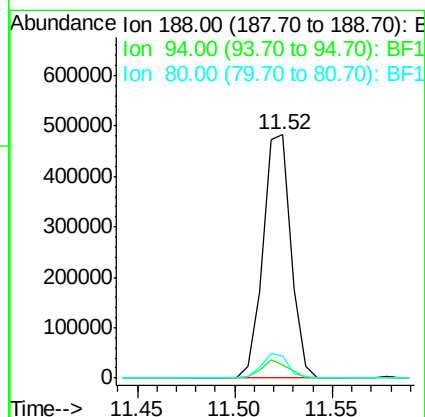
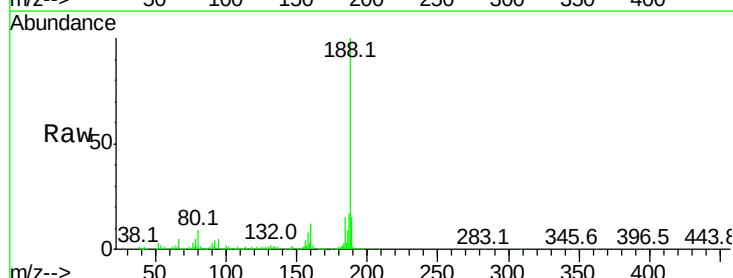
Manual Integrations
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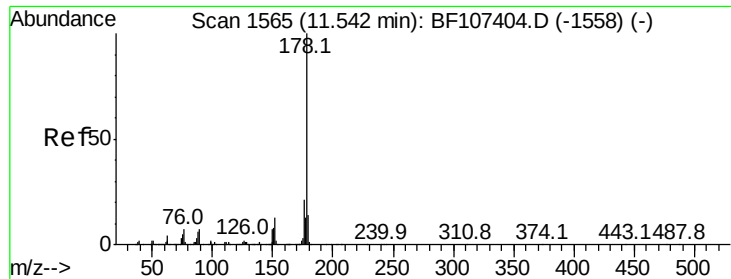
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1562
 Delta R.T. 0.00 min
 Lab File: BF107485.D
 Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.4	8.5	12.7#
80	9.2	9.2	13.8





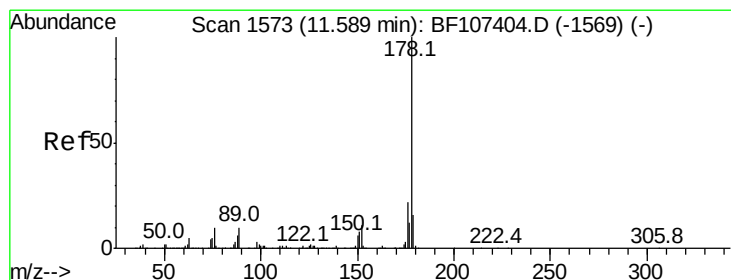
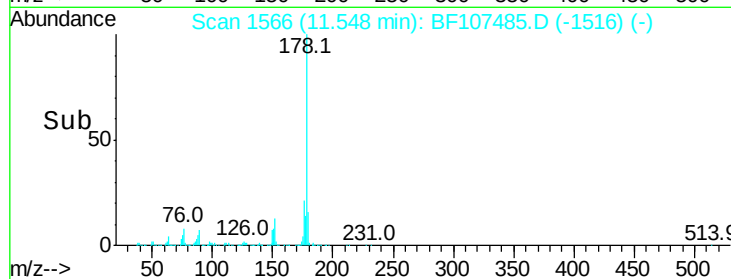
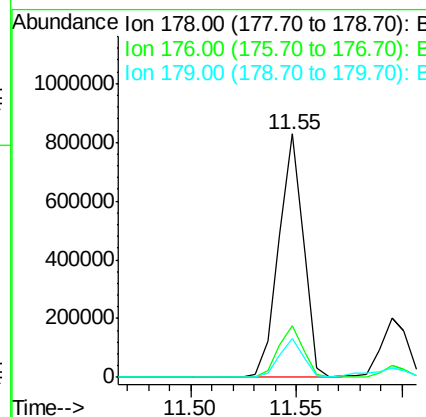
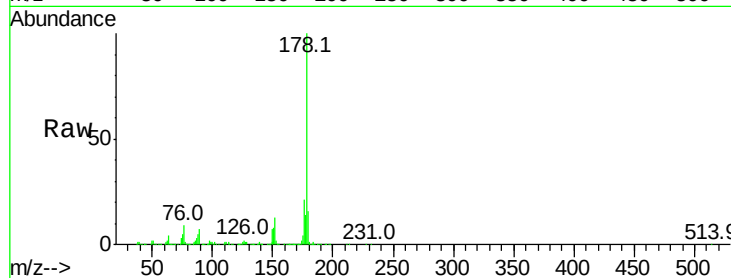
#70
Phenanthrene
Concen: 28.371 ng
RT: 11.55 min Scan# 1566
Delta R.T. -0.01 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Instrument :
BNA_F
ClientSampleId :
SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
178	100		
176	21.4	15.8	23.8
179	16.0	13.0	19.6

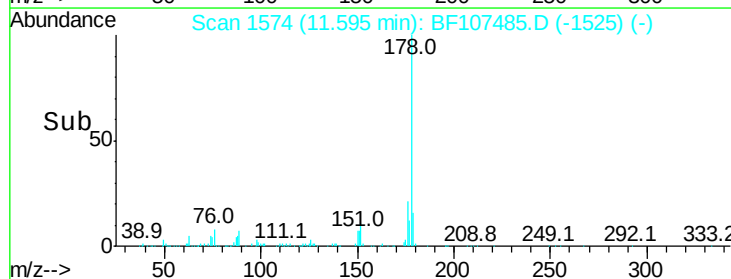
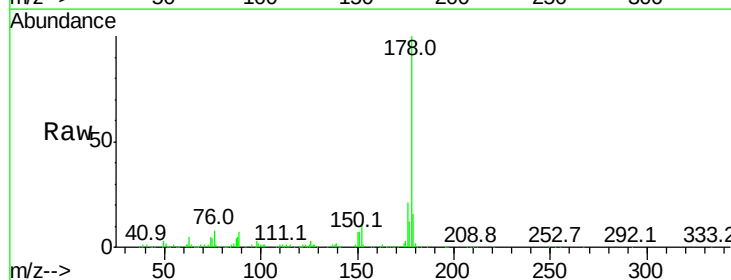
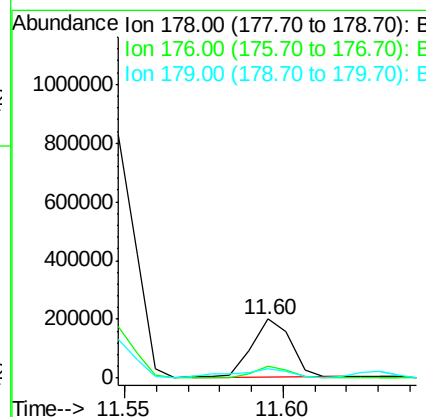
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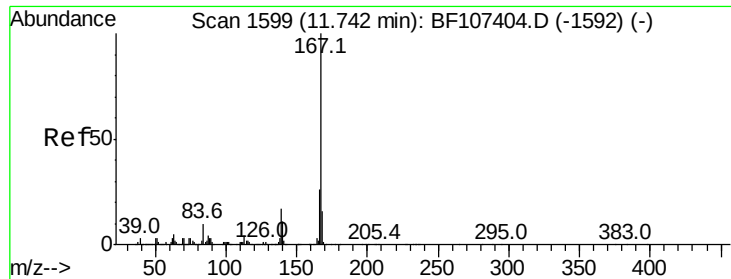
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#71
Anthracene
Concen: 7.114 ng
RT: 11.60 min Scan# 1574
Delta R.T. -0.01 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
178	100		
176	21.0	15.4	23.2
179	16.4	12.6	19.0





#72

Carbazole

Concen: 3.044 ng

RT: 11.75 min Scan# 1600

Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

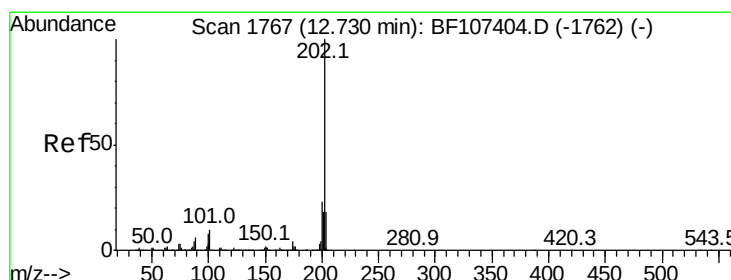
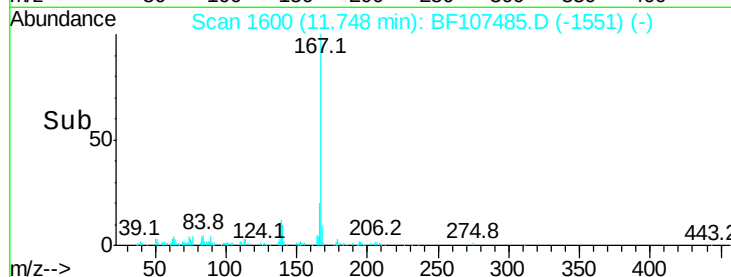
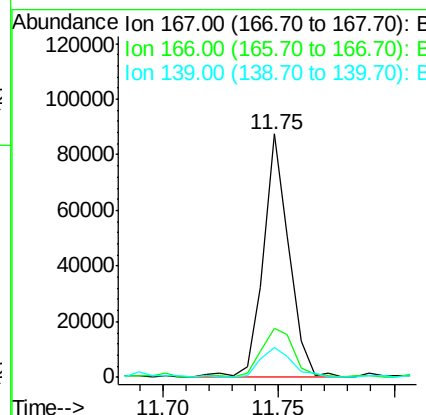
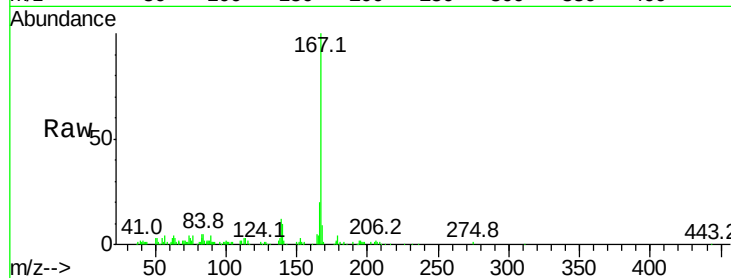
ClientSampleId :

SB5-U-23-13

Tot Ion:	167	Resp:	68159
Ion Ratio	Lower	Upper	
167	100		
166	20.1	17.6	26.4
139	12.2	10.9	16.3

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#74

Fluoranthene

Concen: 28.158 ng

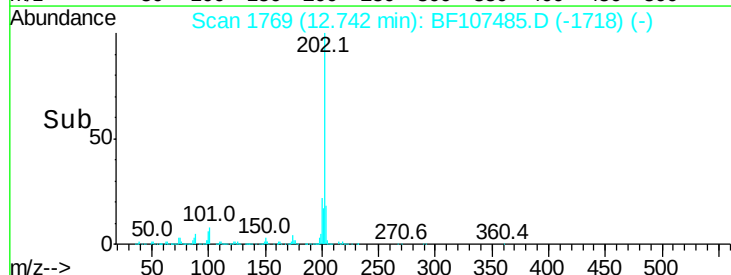
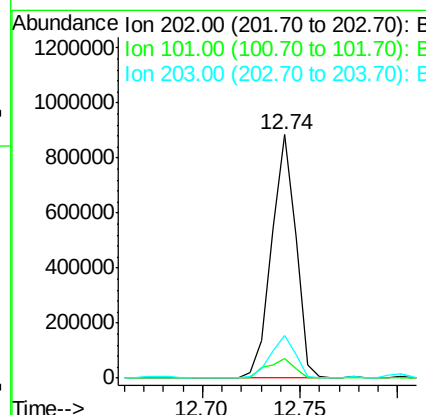
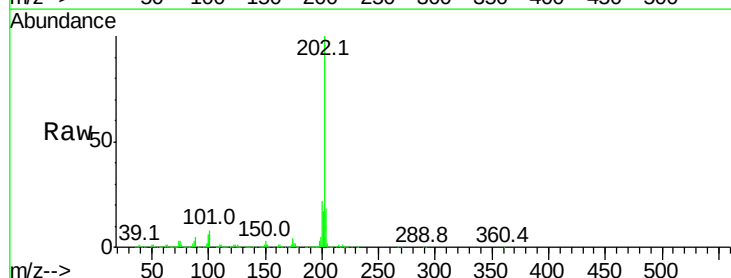
RT: 12.74 min Scan# 1769

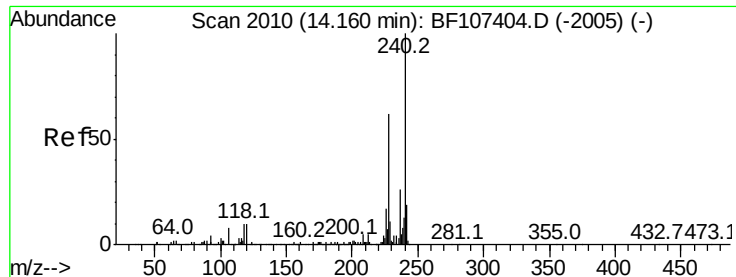
Delta R.T. 0.00 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion:	202	Resp:	760060
Ion Ratio	Lower	Upper	
202	100		
101	8.3	0.0	34.1
203	17.7	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: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

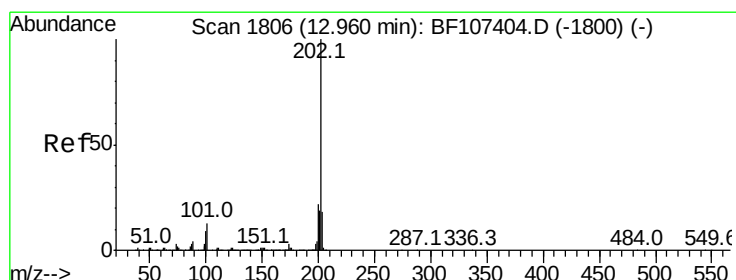
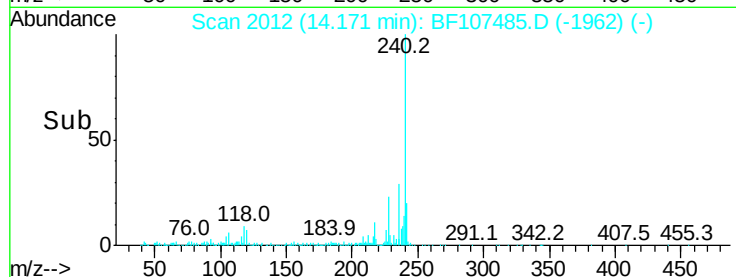
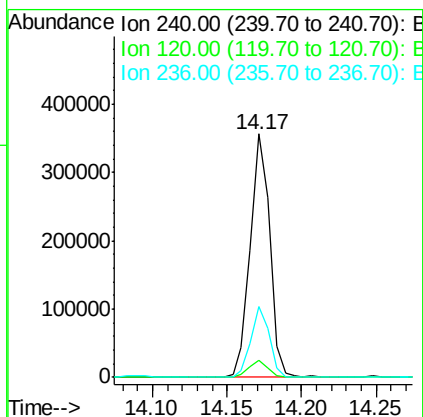
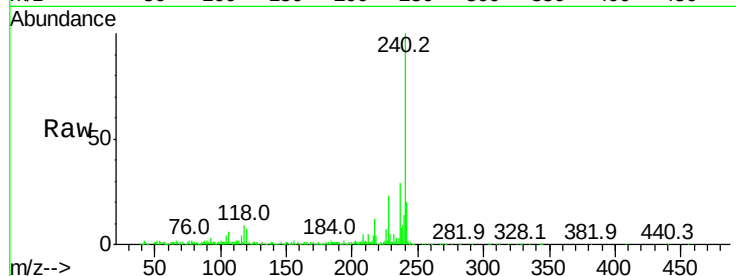
ClientSampleId :

SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
240	100		
120	7.2	9.5	14.3#
236	29.0	20.7	31.1

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#77

Pyrene

Concen: 30.384 ng

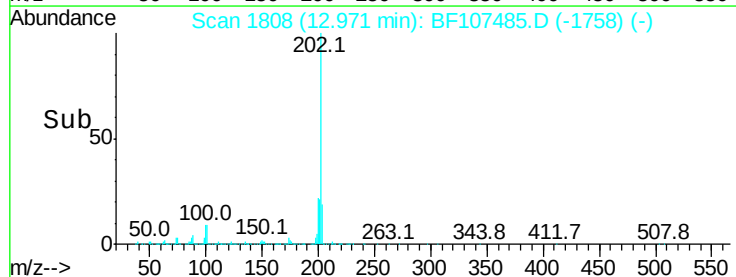
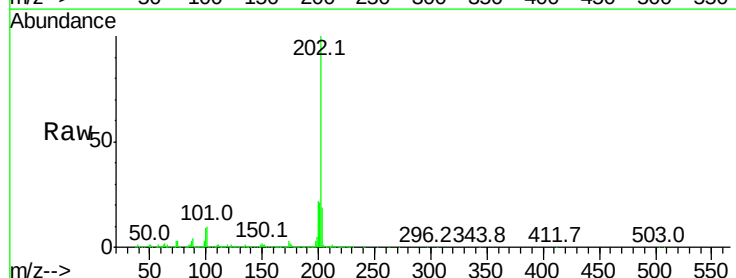
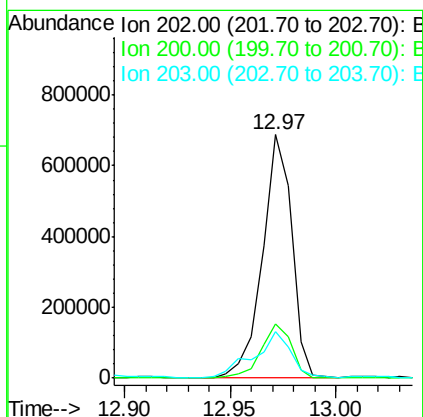
RT: 12.97 min Scan# 1808

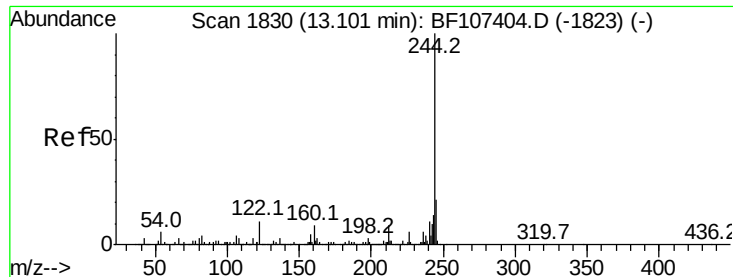
Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.4	26.2
203	19.3	14.3	21.5





#78

Terphenyl-d14

Concen: 66.485 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

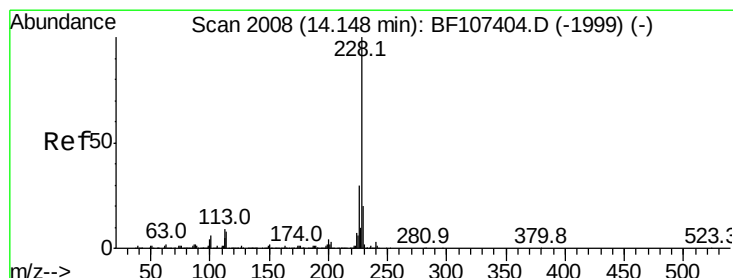
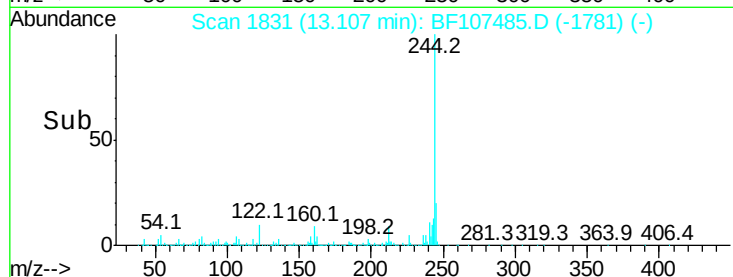
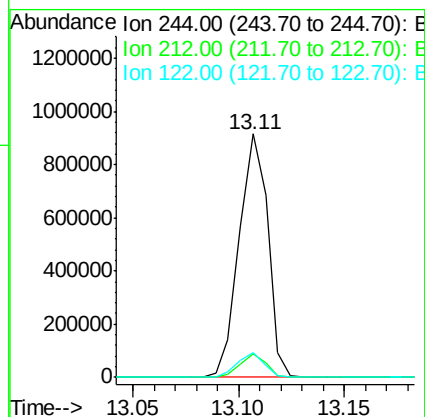
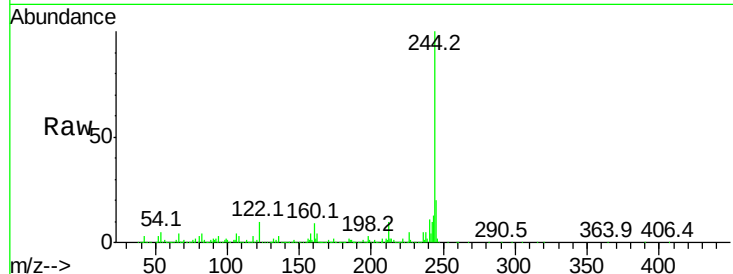
ClientSampleId :

SB5-U-23-13

Tot Ion:	244	Resp:	859895
Ion Ratio		Lower	Upper
244	100		
212	9.5	5.4	8.0#
122	10.2	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 18.747 ng

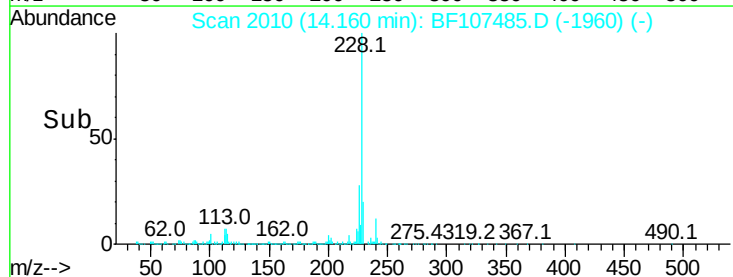
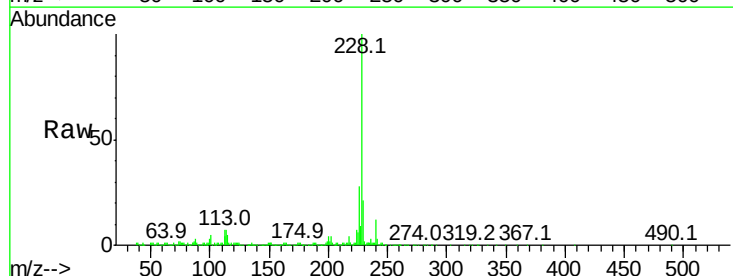
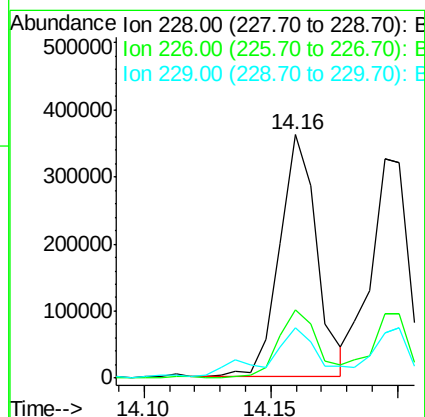
RT: 14.16 min Scan# 2010

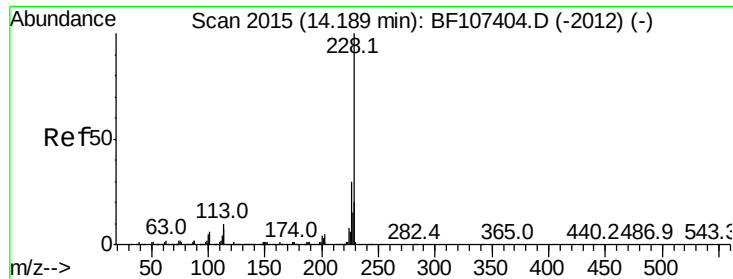
Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion:	228	Resp:	368598
Ion Ratio		Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 18.068 ng

RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

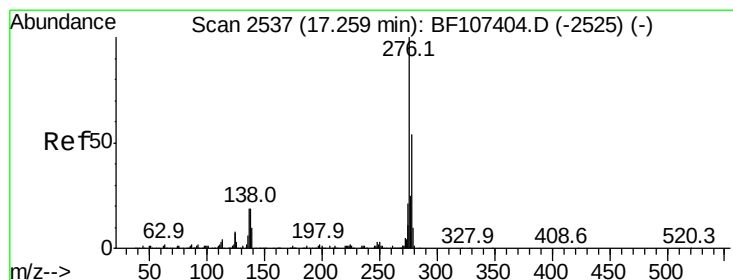
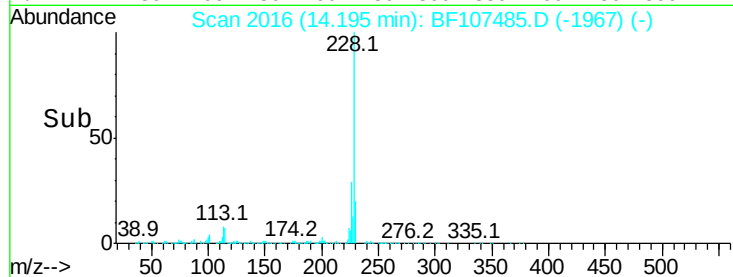
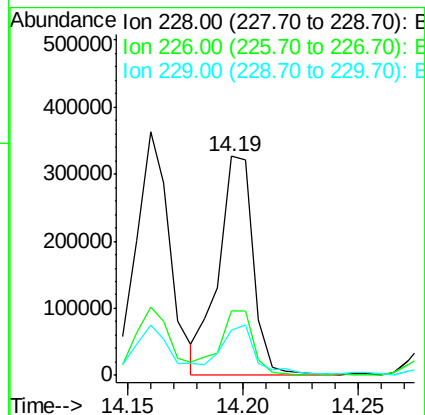
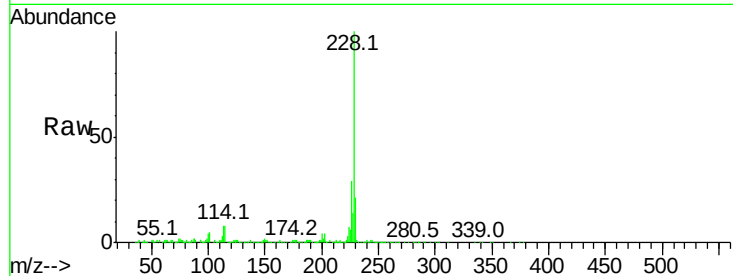
ClientSampleId :

SB5-U-23-13

Tot Ion:	228	Resp:	339349
Ion Ratio	Lower	Upper	
228	100		
226	29.4	25.0	37.6
229	20.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 9.138 ng

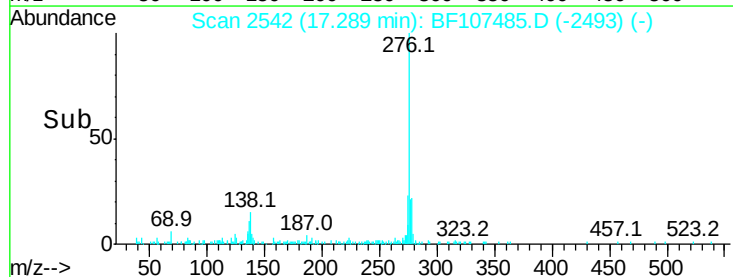
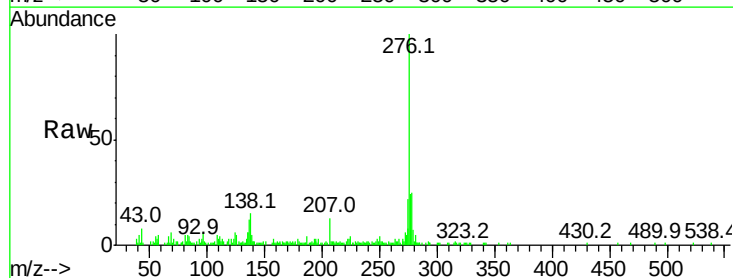
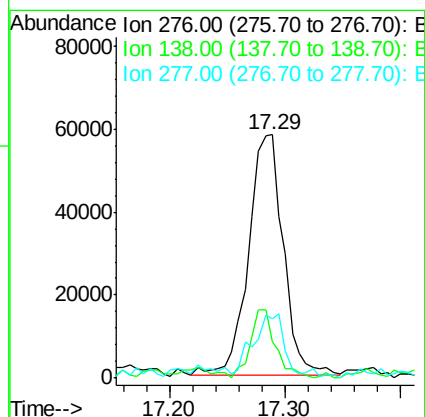
RT: 17.29 min Scan# 2542

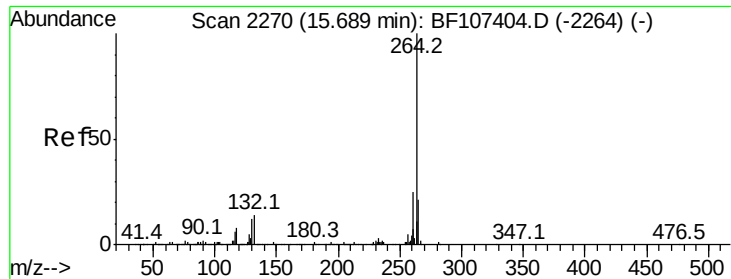
Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion:	276	Resp:	122164
Ion Ratio	Lower	Upper	
276	100		
138	20.4	25.0	37.6#
277	25.3	20.1	30.1





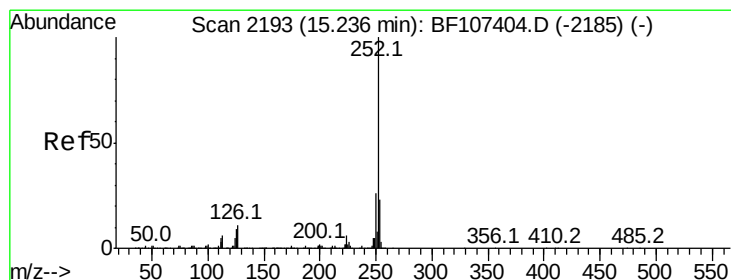
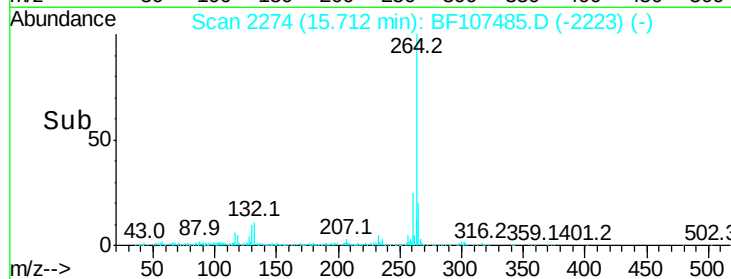
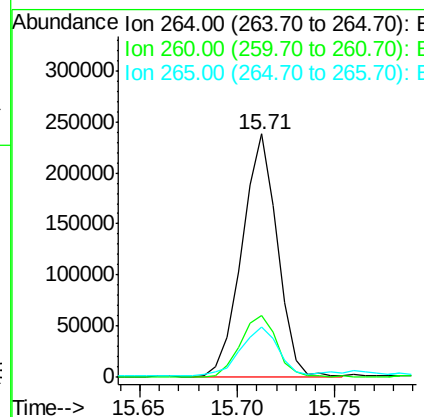
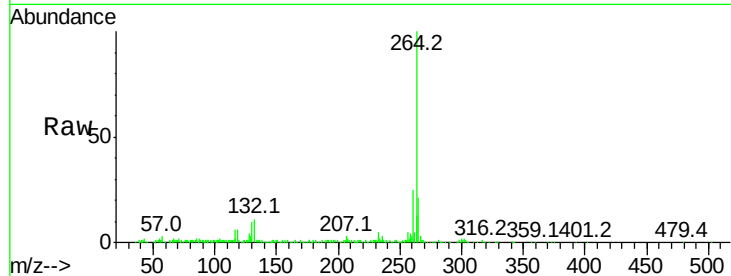
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.00 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Instrument :
BNA_F
ClientSampleId :
SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.2	28.8
265	20.9	17.5	26.3

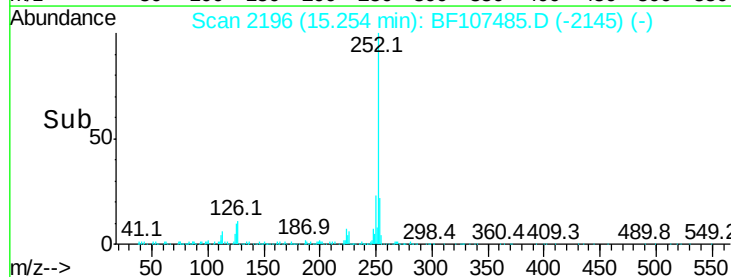
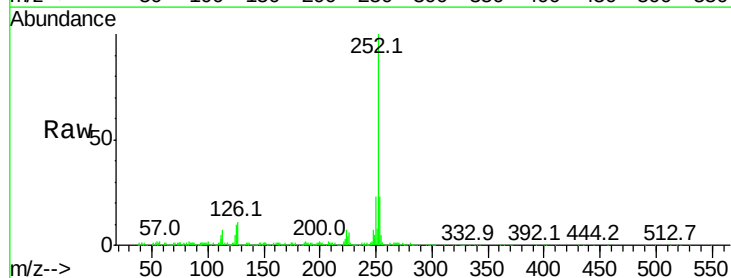
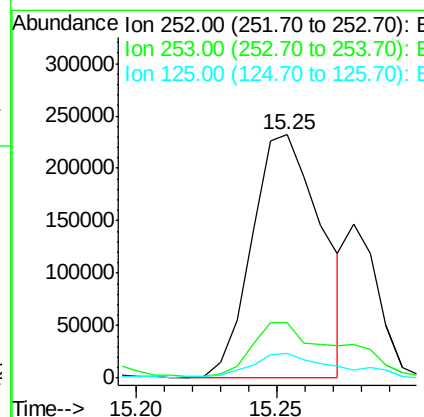
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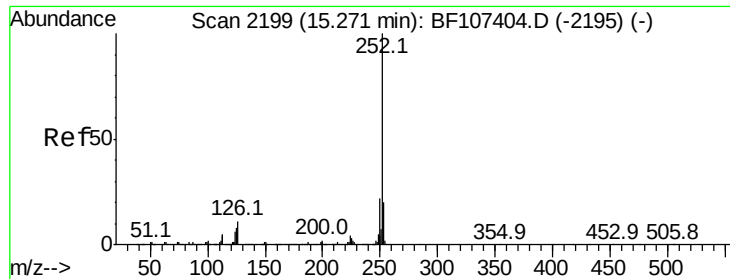
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#87
Benzo(b)fluoranthene
Concen: 22.922 ng m
RT: 15.25 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF107485.D
Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.0	25.6
125	10.3	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 7.071 ng

RT: 15.28 min Scan# 2200

Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

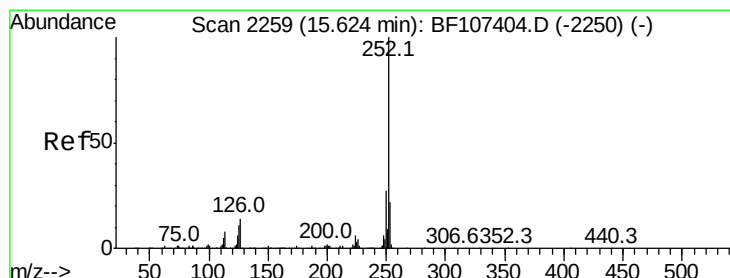
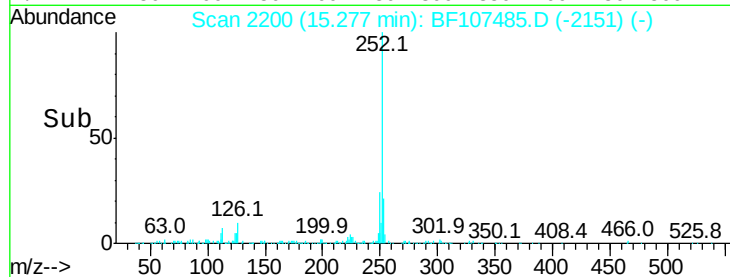
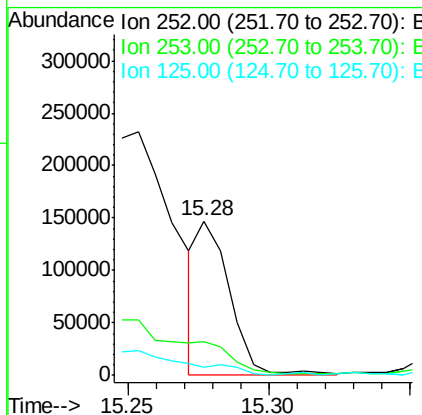
ClientSampleId :

SB5-U-23-13

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	5.5	10.2	15.2#

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#89

Benzo(a)pyrene

Concen: 16.987 ng

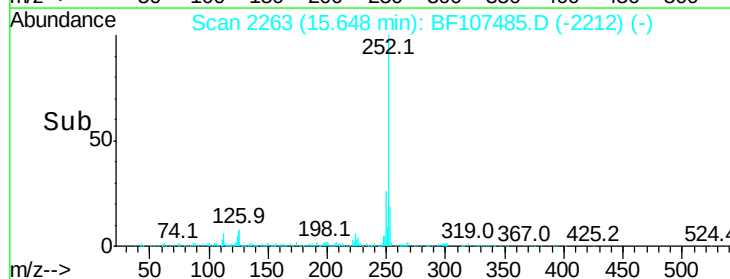
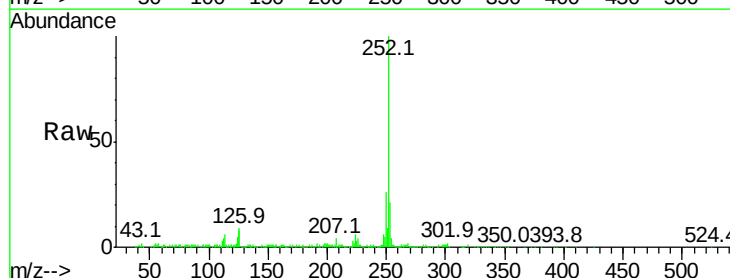
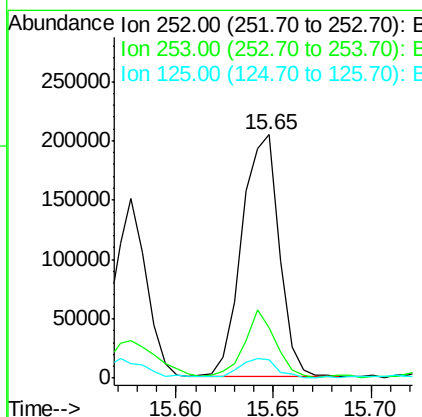
RT: 15.65 min Scan# 2263

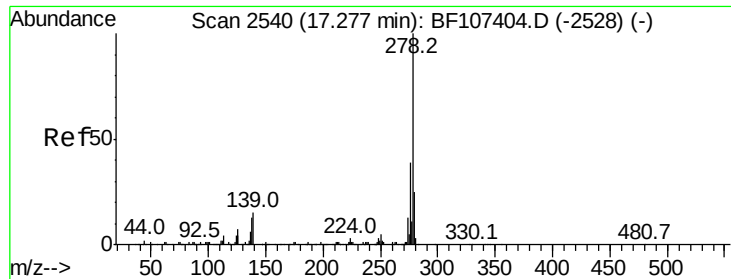
Delta R.T. 0.00 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.6	17.1	25.7
125	7.7	9.8	14.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.567 ng

RT: 17.29 min Scan# 2542

Delta R.T. -0.02 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Instrument :

BNA_F

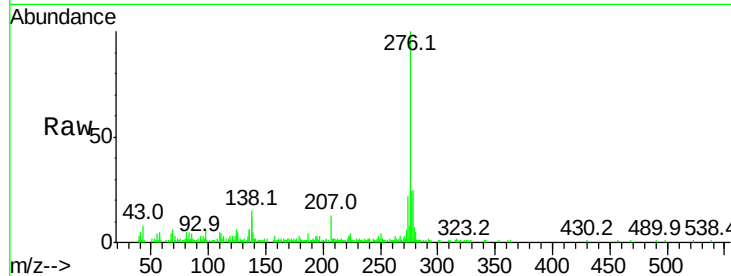
ClientSampleId :

SB5-U-23-13

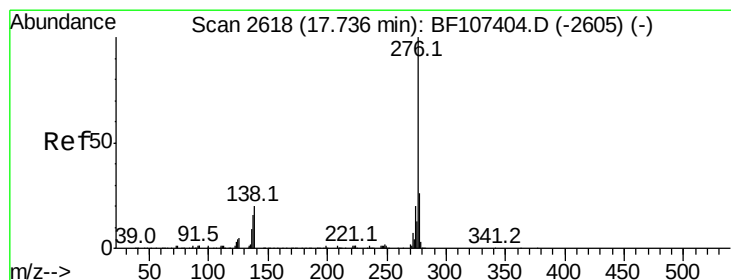
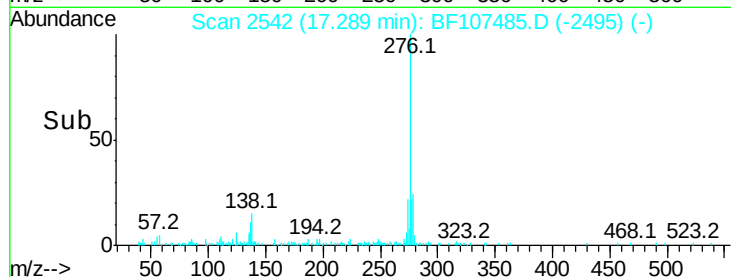
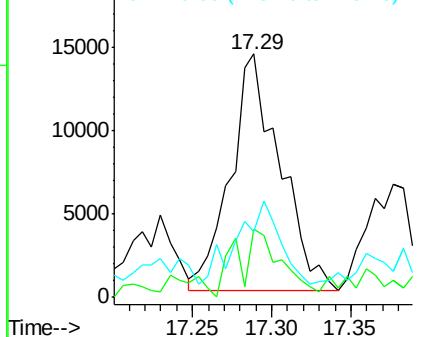
Tot Ion:278	Resp:	30980
Ion Ratio	Lower	Upper
278	100	
139	28.2	15.9 23.9#
279	26.7	19.0 28.4

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Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.425 ng m

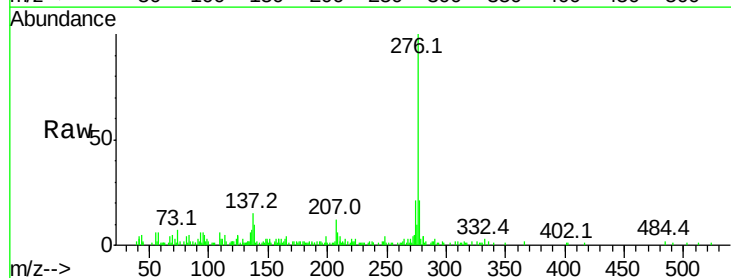
RT: 17.77 min Scan# 2623

Delta R.T. -0.01 min

Lab File: BF107485.D

Acq: 18 Jul 2018 18:40

Tgt Ion:276	Resp:	103304
Ion Ratio	Lower	Upper
276	100	
277	21.1	17.9 26.9
138	9.9	21.8 32.8#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

