

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107474.D
 Acq On : 18 Jul 2018 13:47
 Operator : JU/SJ
 Sample : J4016-17 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4-L-12-7

Manual Integrations
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Sohil
 7/19/2018 11:49:29 AM

Quant Time: Jul 18 16:32:26 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	135442	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	538448	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	298039	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	590432	20.00	ng	0.00
75) Chrysene-d12	14.18	240	324735	20.00	ng	0.00
86) Perylene-d12	15.71	264	353742	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	162115	18.18	ng	-0.01
7) Phenol-d6	6.60	99	194857	16.90	ng	-0.01
23) Nitrobenzene-d5	7.54	82	133225	13.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	37379	14.27	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	249210	3.56	ng	-0.01
78) Terphenyl-d14	13.11	244	236867	18.12	ng	0.00
Target Compounds						
31) Naphthalene	8.29	128	286988	10.973	ng	97
37) 2-Methylnaphthalene	8.98	142	121286	7.035	ng	# 90
51) Acenaphthene	10.06	154	205994	10.940	ng	95
54) Dibenzofuran	10.23	168	209353	7.195	ng	94
57) Fluorene	10.58	166	288032	14.947	ng	98
70) Phenanthrene	11.56	178	2598275	88.303	ng	97
71) Anthracene	11.60	178	475541	16.226	ng	97
72) Carbazole	11.75	167	133755	4.821	ng	# 92
74) Fluoranthene	12.75	202	1787582	53.450	ng	94
77) Pyrene	12.98	202	1853026	83.913	ng	96
80) Benzo(a)anthracene	14.17	228	749456	37.720	ng	98
82) Chrysene	14.20	228	786822	41.455	ng	95
85) Indeno(1,2,3-cd)pyrene	17.29	276	236220	17.485	ng	# 86
87) Benzo(b)fluoranthene	15.25	252	653955m	31.584	ng	
88) Benzo(k)fluoranthene	15.28	252	235145m	11.637	ng	
89) Benzo(a)pyrene	15.65	252	504565m	26.550	ng	
90) Dibenzo(a,h)anthracene	17.30	278	66299	4.623	ng	# 73
91) Benzo(g,h,i)perylene	17.77	276	196889m	13.510	ng	

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

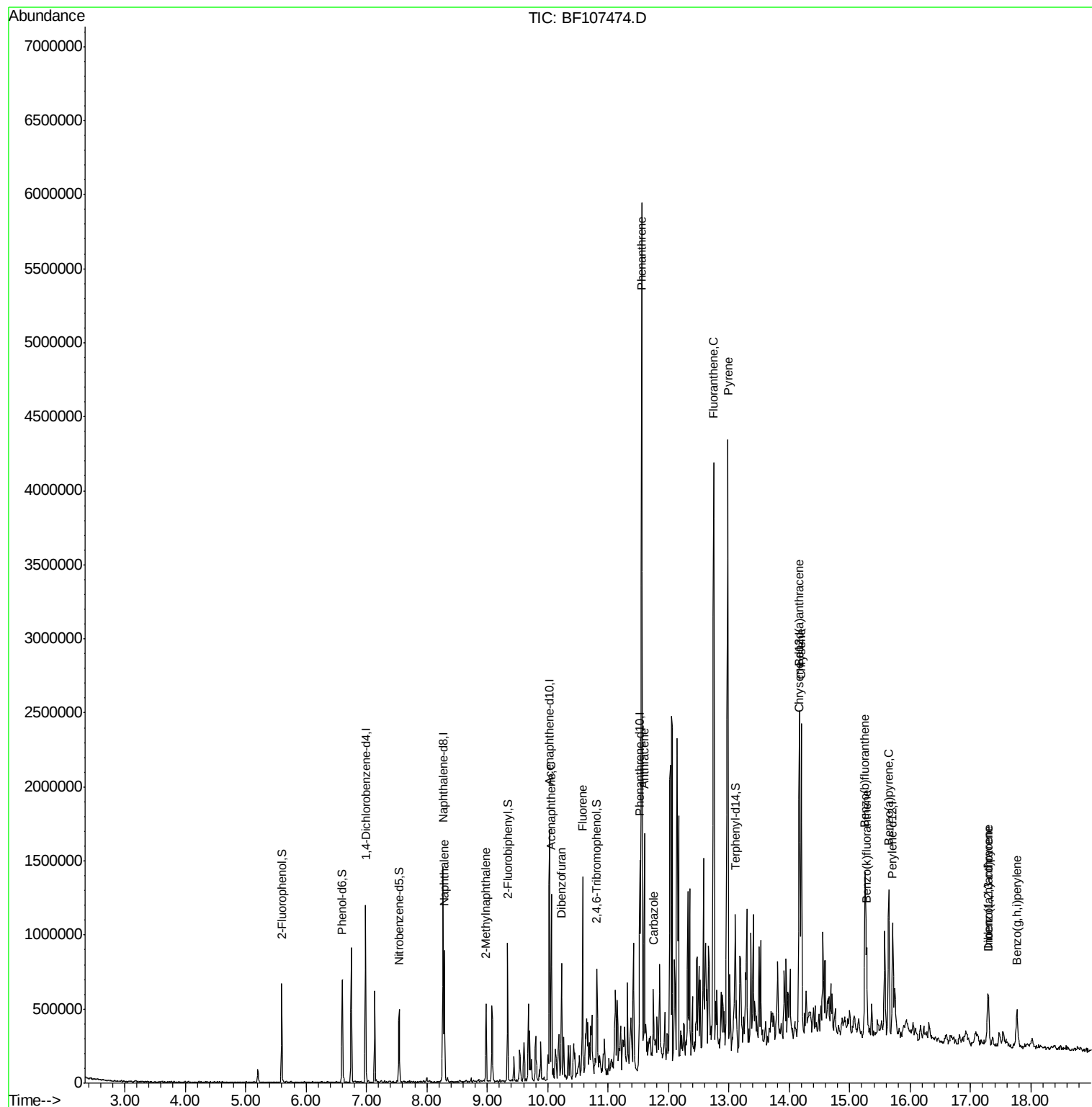
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
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Misc :
ALS Vial : 12 Sample Multiplier: 1

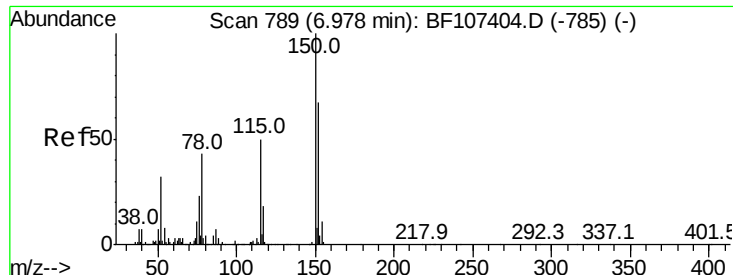
Instrument :
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SB4-L-12-7

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#1

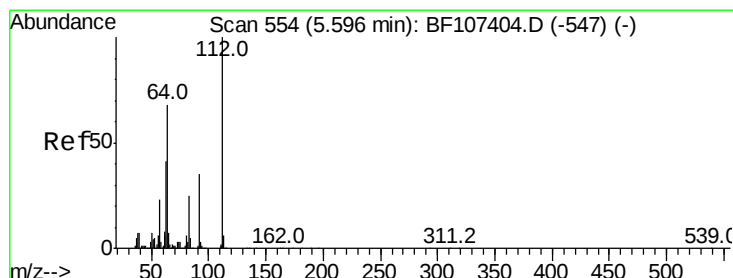
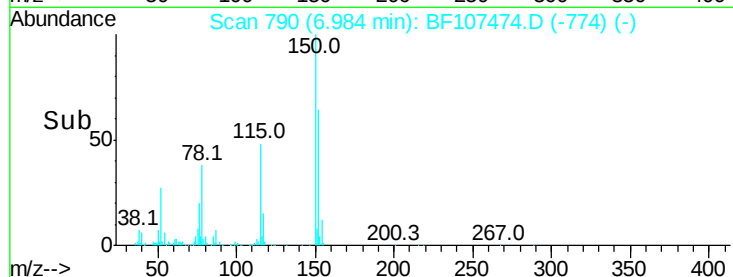
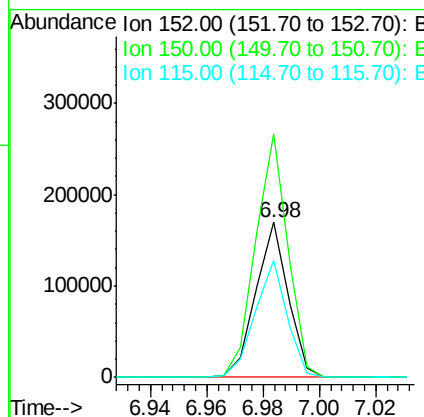
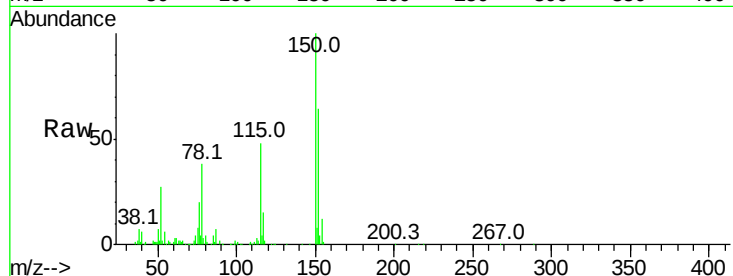
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Instrument :
BNA_F
ClientSampleId :
SB4-L-12-7

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.2	124.6	186.8
115	75.2	50.1	75.1#

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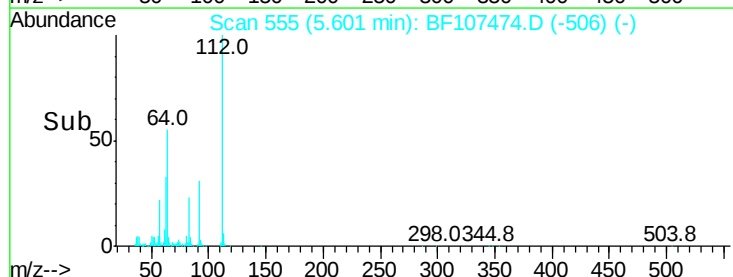
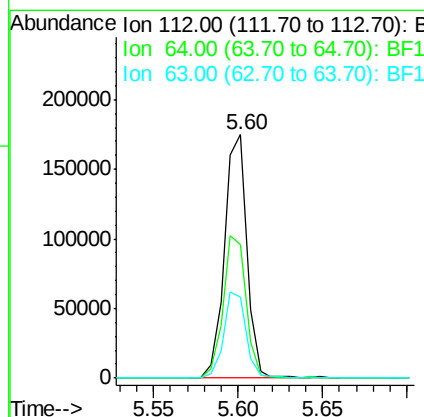
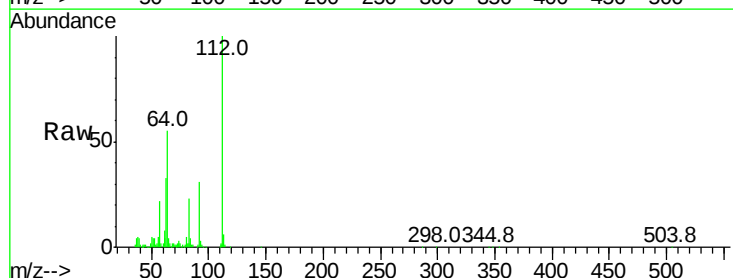
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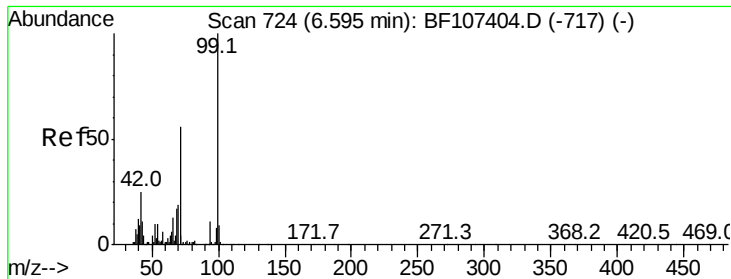


#5

2-Fluorophenol
Concen: 18.178 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	33.1	23.7	35.5





#7

Phenol-d6

Concen: 16.900 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

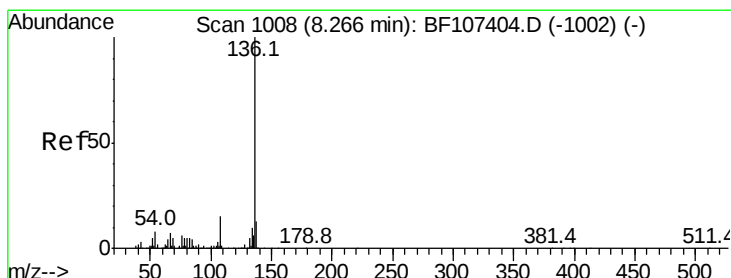
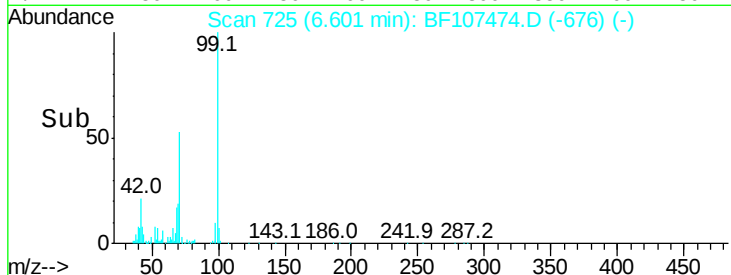
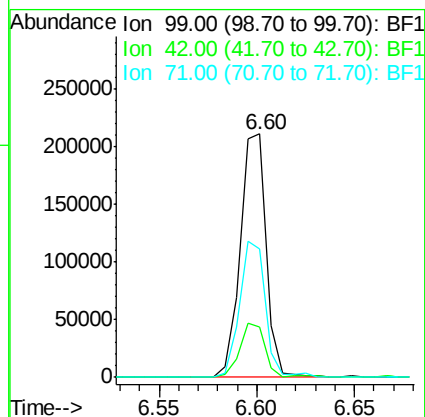
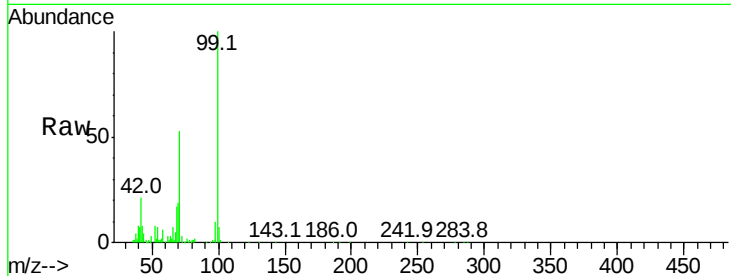
ClientSampled :

SB4-L-12-7

Tot Ion:	99	Resp:	194857
Ion Ratio	Lower	Upper	
99	100		
42	20.9	14.5	21.7
71	52.8	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

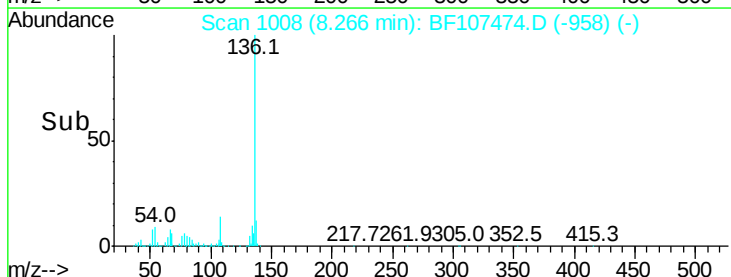
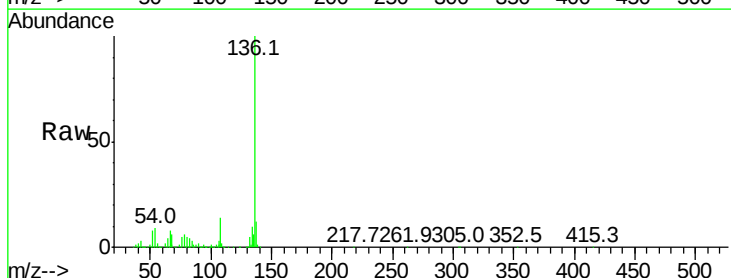
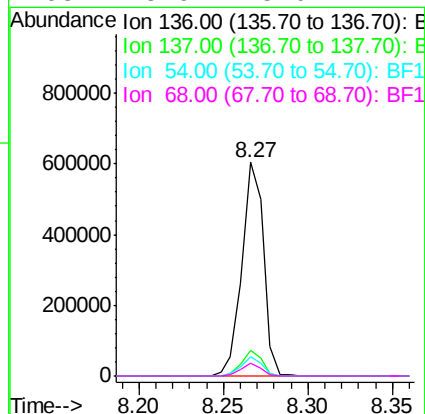
RT: 8.27 min Scan# 1008

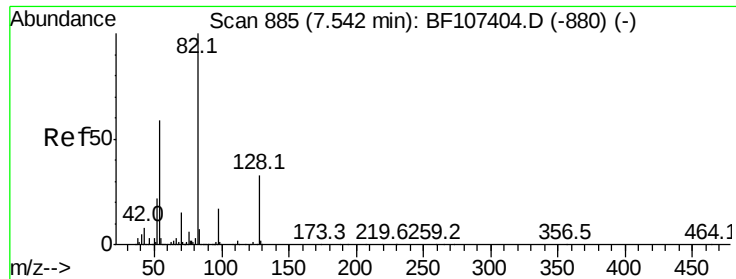
Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion:	136	Resp:	538448
Ion Ratio	Lower	Upper	
136	100		
137	12.3	8.9	13.3
54	9.0	6.6	9.8
68	5.9	5.0	7.4





#23

Nitrobenzene-d5

Concen: 13.194 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

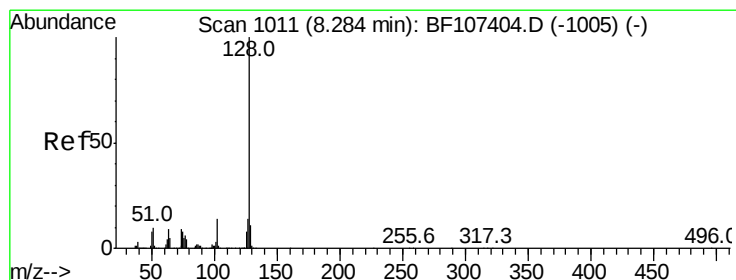
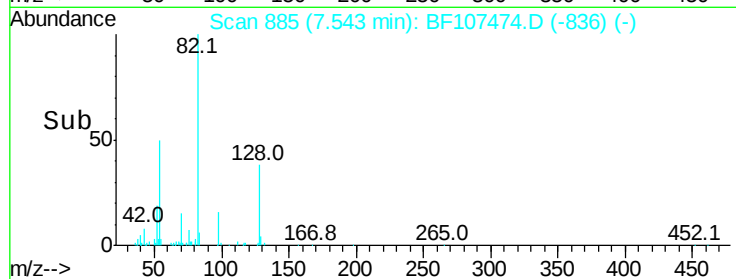
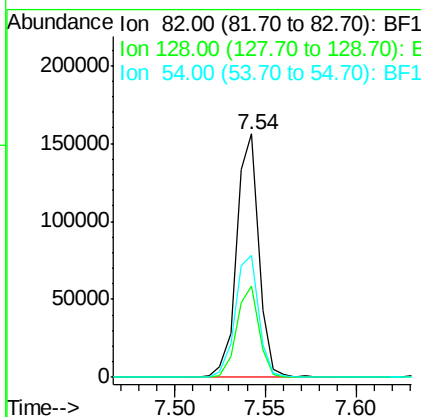
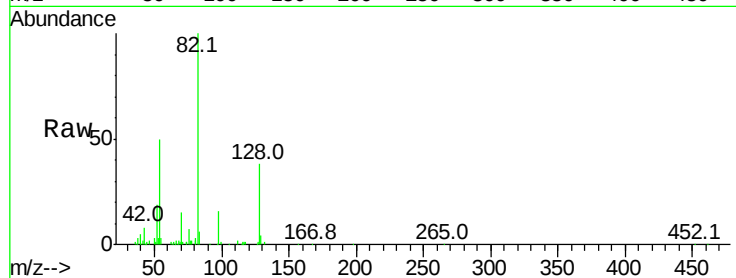
ClientSampleId :

SB4-L-12-7

Tot Ion	82	Resp	133225
Ion Ratio	Lower	Upper	
82	100		
128	37.5	36.1	54.1
54	50.3	41.4	62.2

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#31

Naphthalene

Concen: 10.973 ng

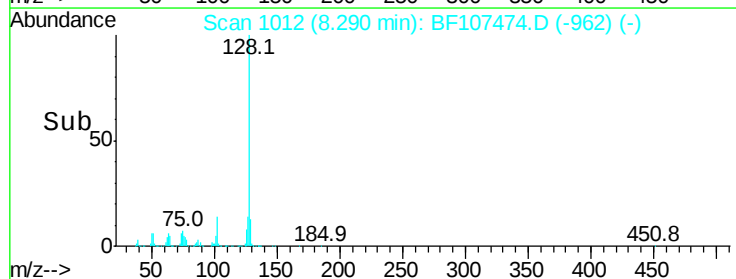
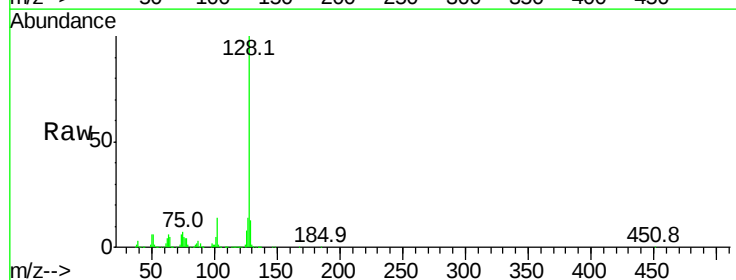
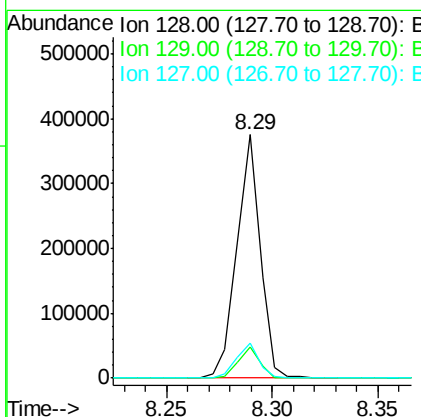
RT: 8.29 min Scan# 1012

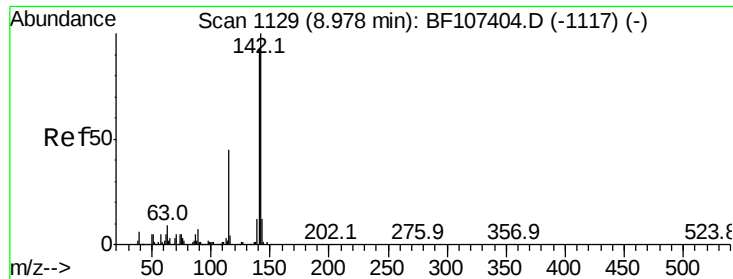
Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion	128	Resp	286988
Ion Ratio	Lower	Upper	
128	100		
129	13.0	8.8	13.2
127	14.4	10.9	16.3





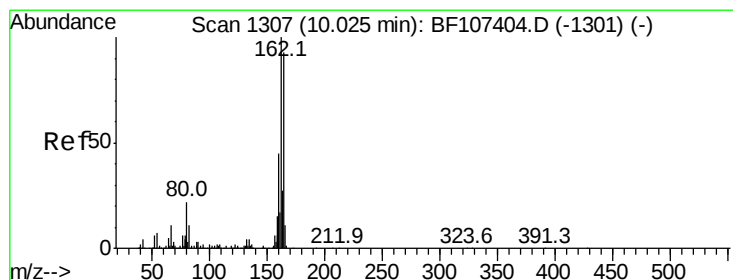
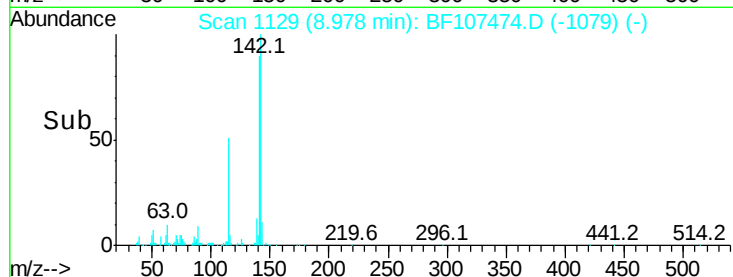
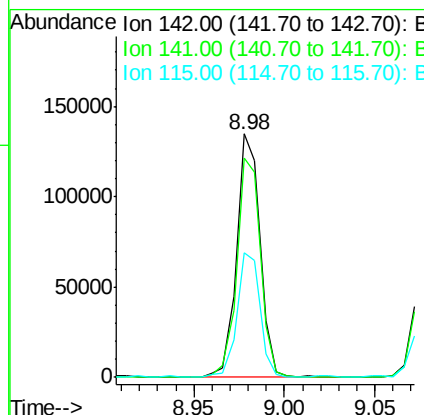
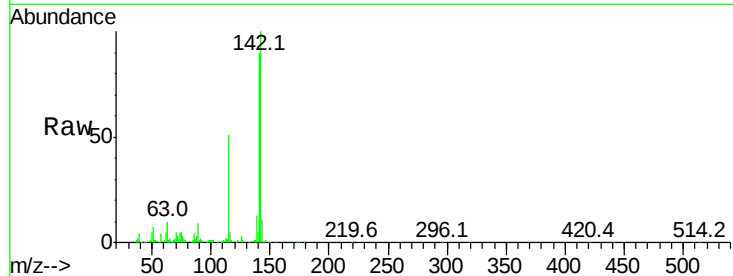
#37
2-Methylnaphthalene
Concen: 7.035 ng
RT: 8.98 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Instrument :
BNA_F
ClientSampleId :
SB4-L-12-7

Tot Ion	Ratio	Resp Lower	Upper
142	100		
141	89.9	70.8	106.2
115	51.1	26.1	39.1#

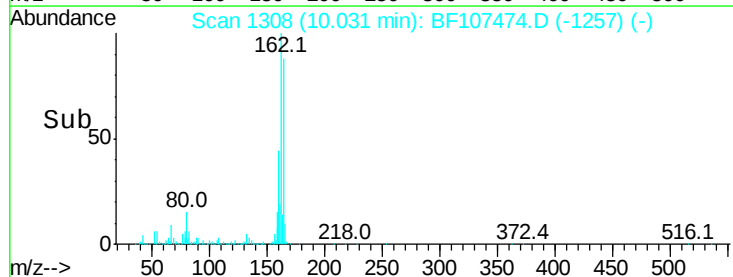
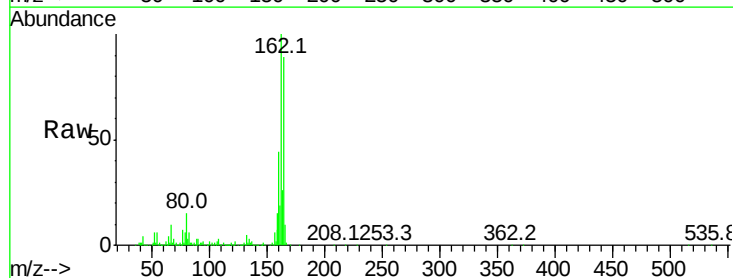
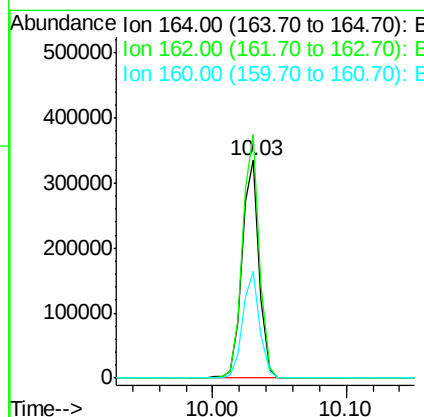
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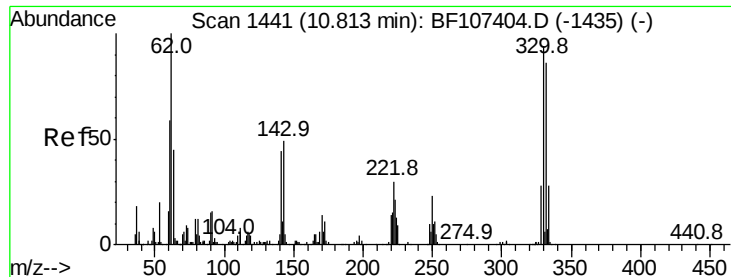
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.03 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Resp Lower	Upper
164	100		
162	111.8	86.1	129.1
160	48.8	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 14.274 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

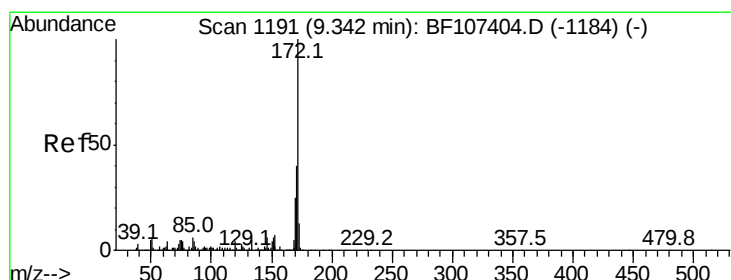
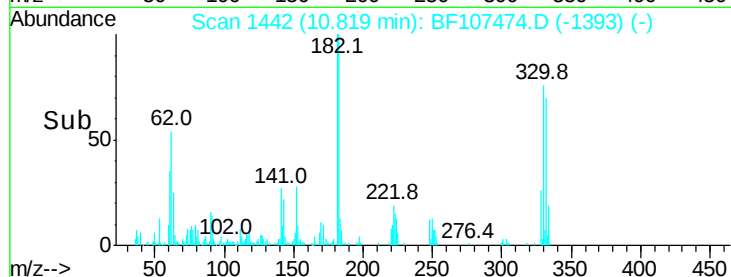
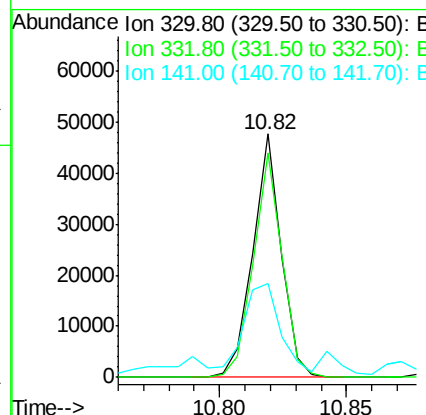
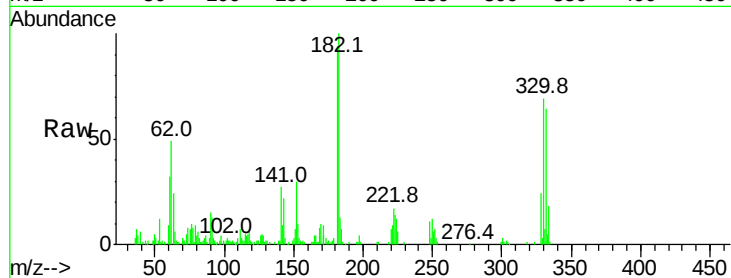
ClientSampled :

SB4-L-12-7

Tot Ion:	330	Resp:	37379
Ion Ratio	Lower	Upper	
330	100		
332	93.3	77.0	115.6
141	49.3	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 3.556 ng

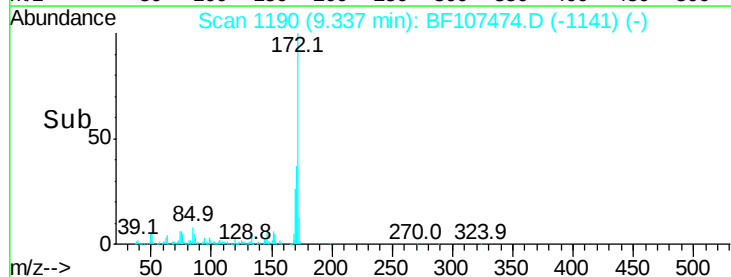
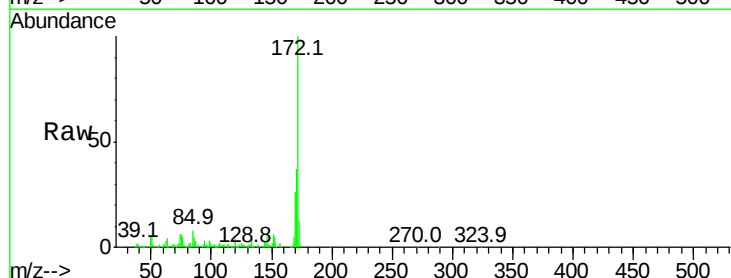
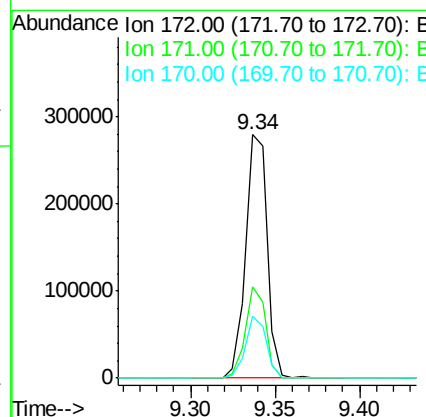
RT: 9.34 min Scan# 1190

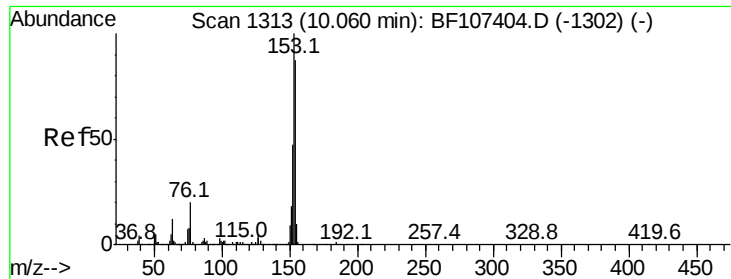
Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion:	172	Resp:	249210
Ion Ratio	Lower	Upper	
172	100		
171	37.5	29.7	44.5
170	25.6	19.6	29.4





#51

Acenaphthene

Concen: 10.940 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

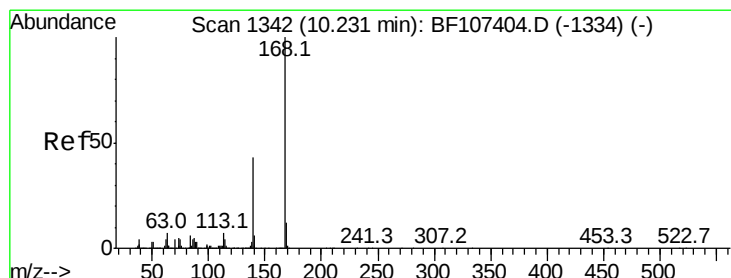
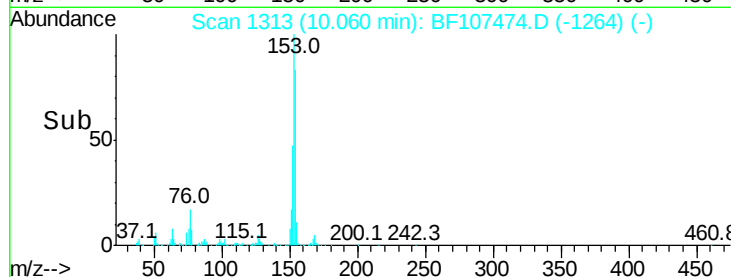
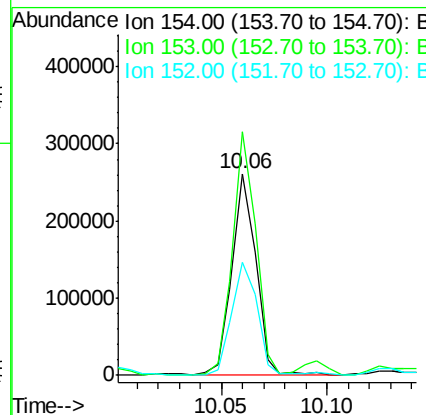
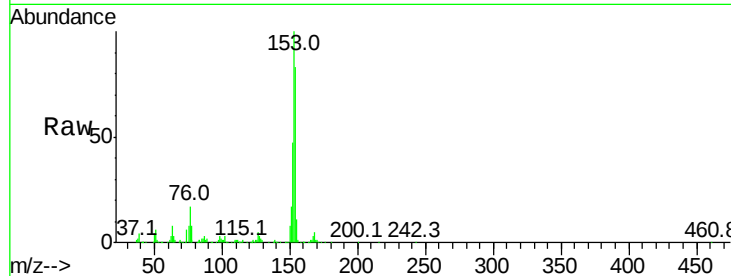
ClientSampleId :

SB4-L-12-7

Tot Ion:	154	Resp:	205994
Ion Ratio	Lower	Upper	
154	100		
153	120.9	91.2	136.8
152	56.2	43.8	65.8

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#54

Dibenzofuran

Concen: 7.195 ng

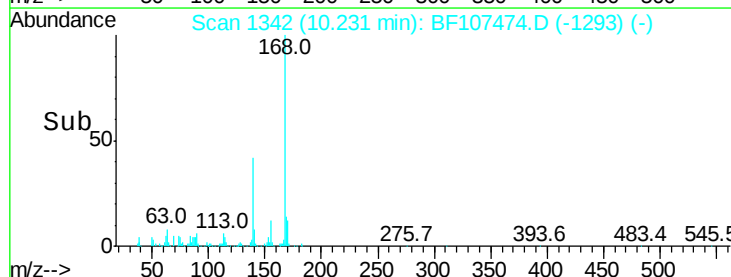
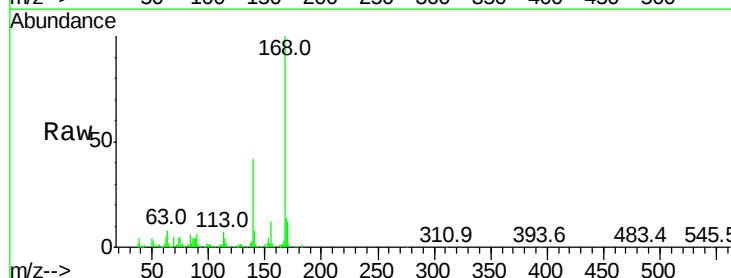
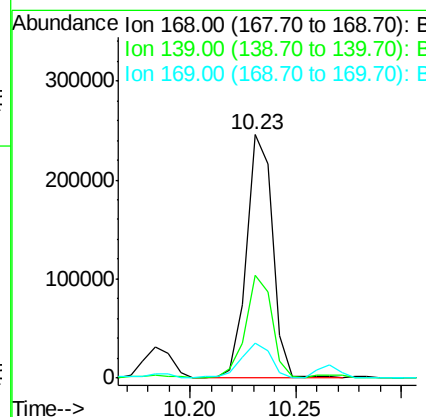
RT: 10.23 min Scan# 1342

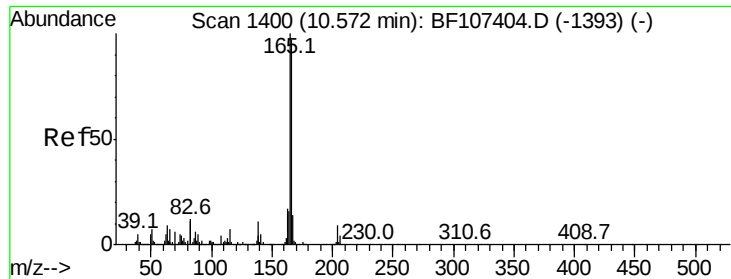
Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion:	168	Resp:	209353
Ion Ratio	Lower	Upper	
168	100		
139	42.3	30.1	45.1
169	14.4	10.9	16.3





#57

Fluorene

Concen: 14.947 ng

RT: 10.58 min Scan# 1401

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

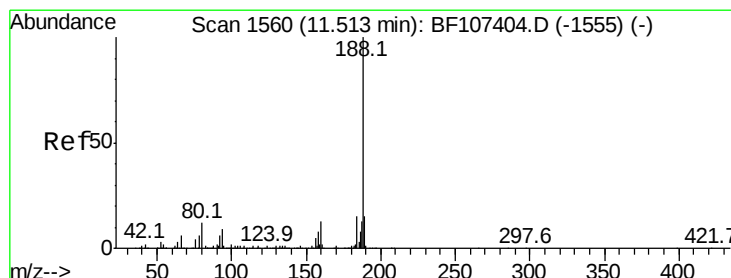
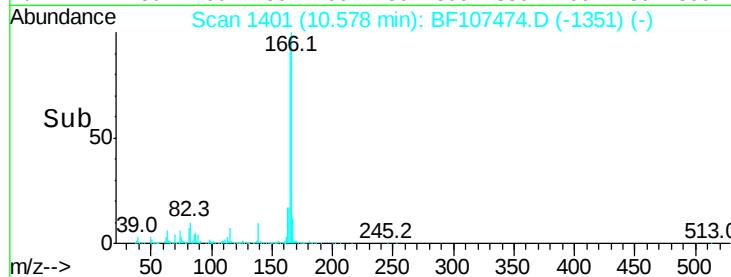
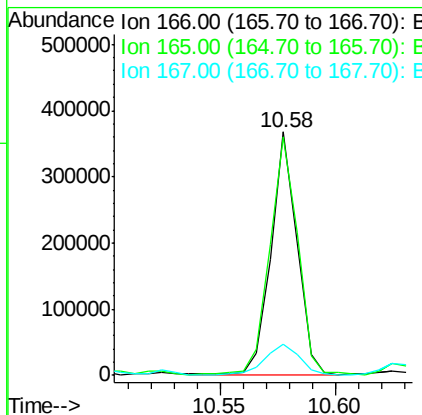
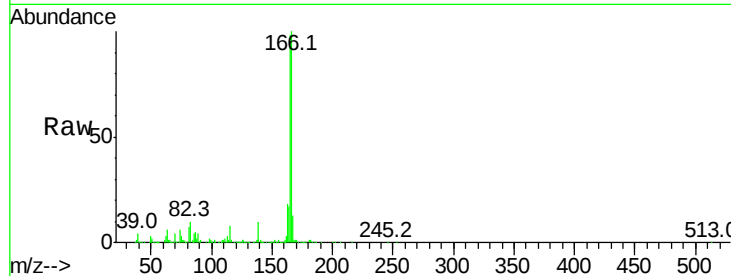
ClientSampleId :

SB4-L-12-7

Tot Ion:	166	Resp:	288032
Ion Ratio	Lower	Upper	
166	100		
165	98.2	79.8	119.8
167	13.0	10.6	16.0

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#63

Phenanthrene-d10

Concen: 20.000 ng

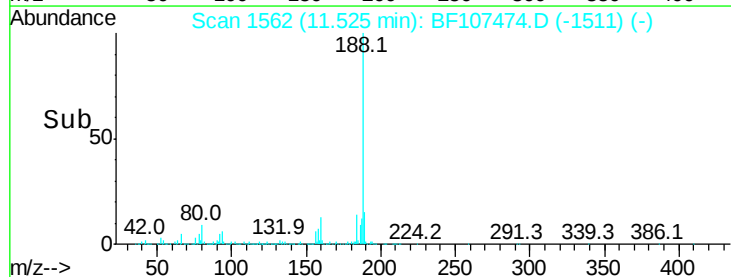
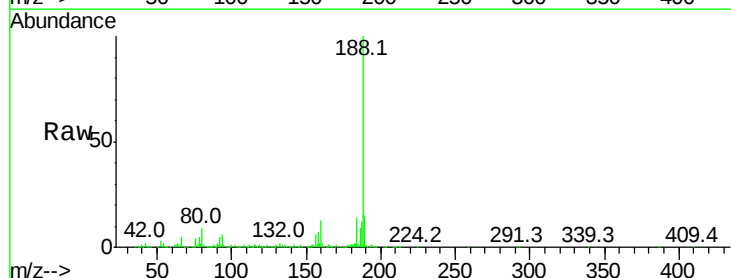
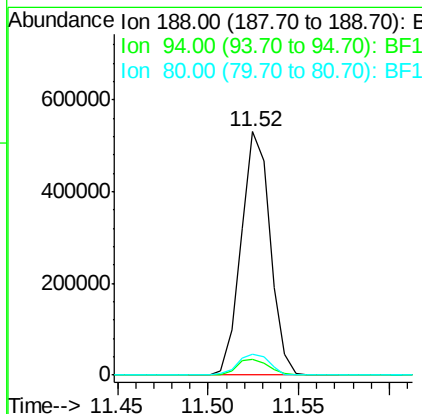
RT: 11.52 min Scan# 1562

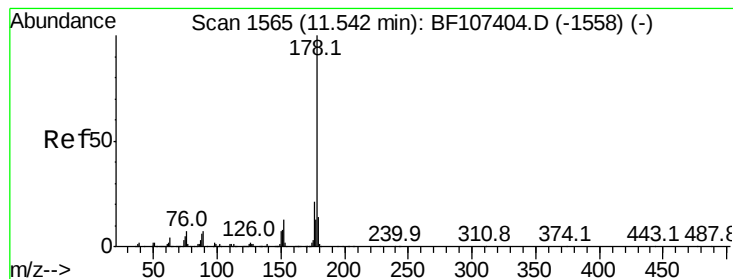
Delta R.T. 0.00 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion:	188	Resp:	590432
Ion Ratio	Lower	Upper	
188	100		
94	6.4	8.5	12.7#
80	8.6	9.2	13.8#





#70

Phenanthrene

Concen: 88.303 ng

RT: 11.56 min Scan# 1568

Delta R.T. 0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

ClientSampleId :

SB4-L-12-7

Tot Ion:178 Resp: 2598275

Ion Ratio Lower Upper

178 100

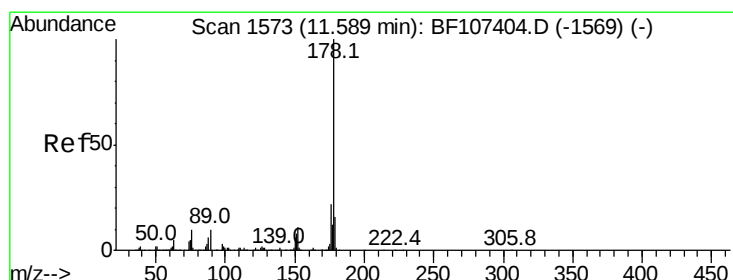
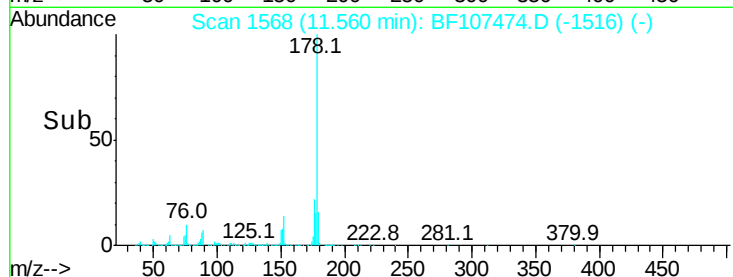
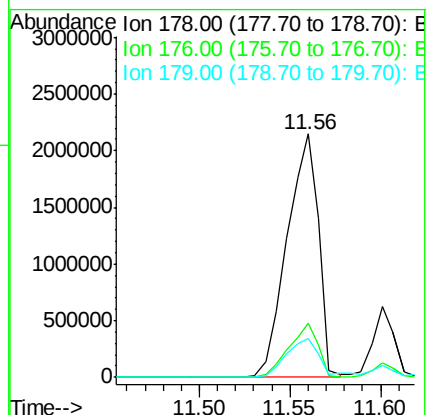
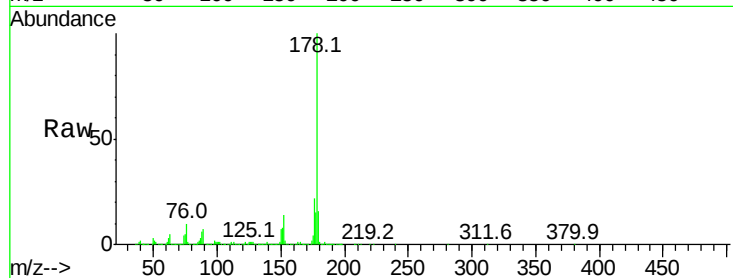
176 22.3 15.8 23.8

179 16.0 13.0 19.6

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#71

Anthracene

Concen: 16.226 ng

RT: 11.60 min Scan# 1575

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

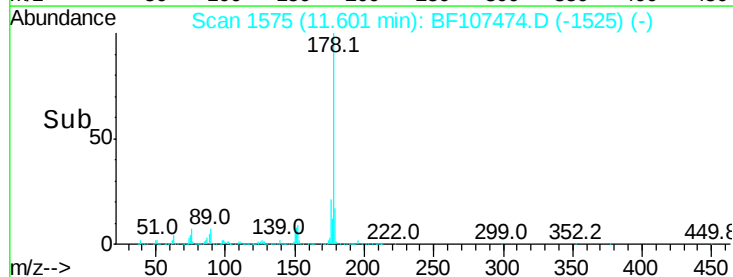
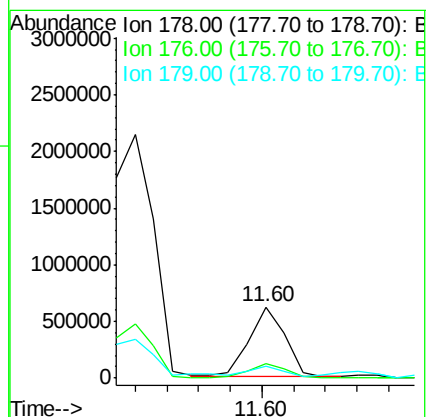
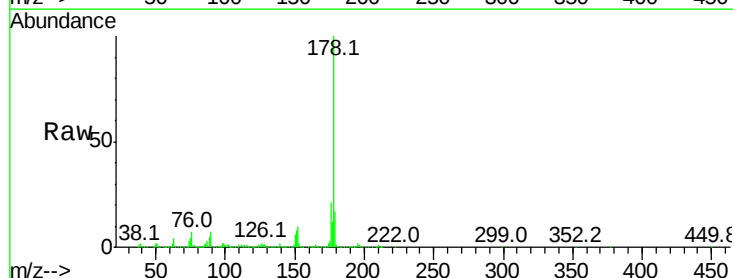
Tgt Ion:178 Resp: 475541

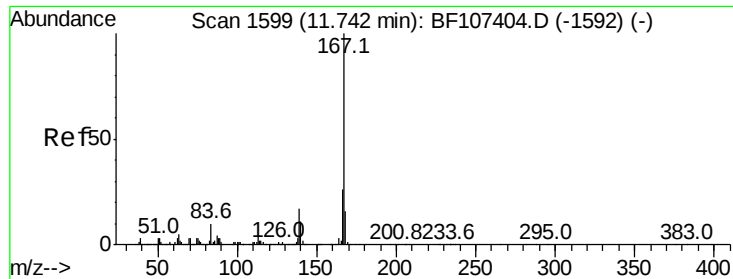
Ion Ratio Lower Upper

178 100

176 20.8 15.4 23.2

179 16.7 12.6 19.0





#72

Carbazole

Concen: 4.821 ng

RT: 11.75 min Scan# 1601

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

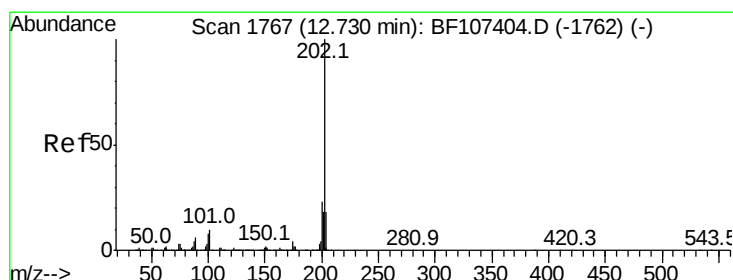
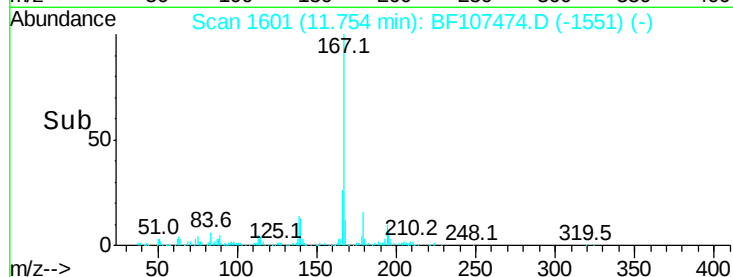
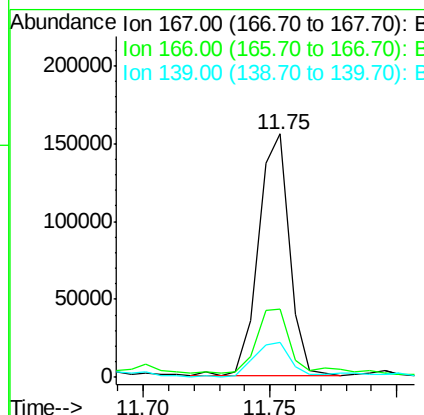
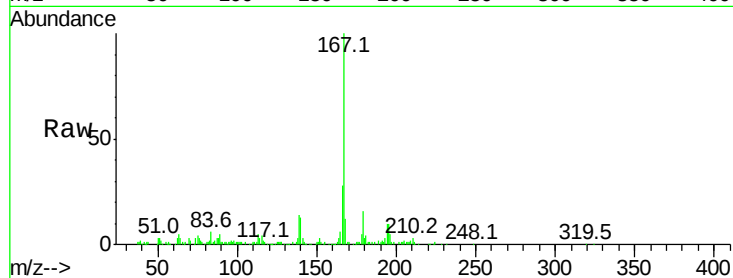
ClientSampleId :

SB4-L-12-7

Tot Ion	Ratio	Lower	Upper
167	100		
166	27.8	17.6	26.4#
139	14.2	10.9	16.3

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#74

Fluoranthene

Concen: 53.450 ng

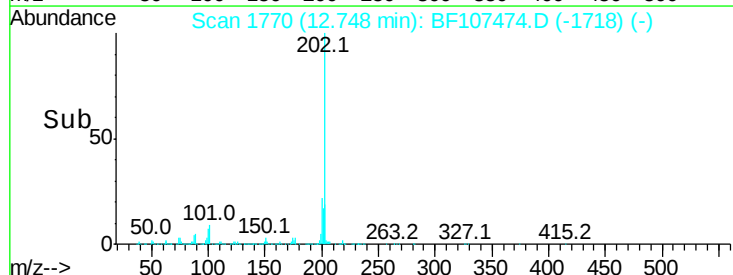
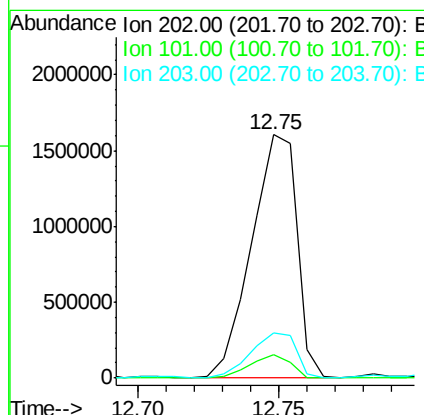
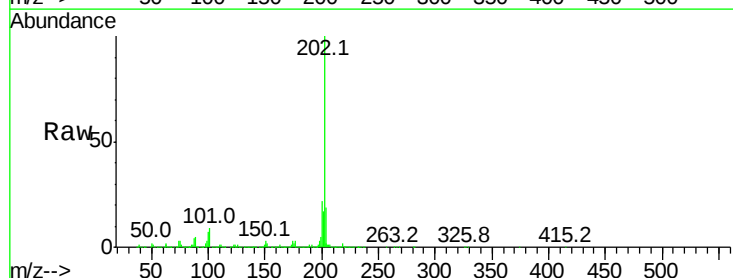
RT: 12.75 min Scan# 1770

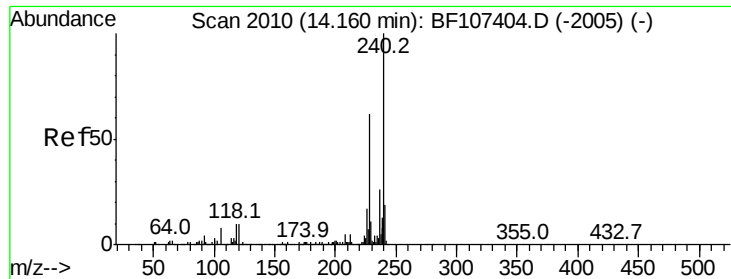
Delta R.T. 0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	0.0	34.1
203	18.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.18 min Scan# 2013

Delta R.T. 0.00 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

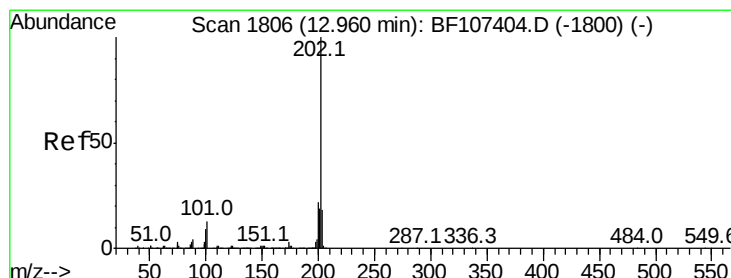
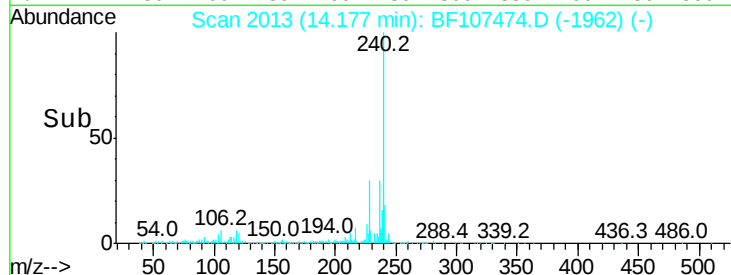
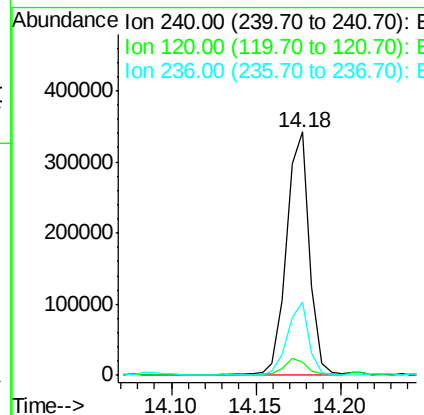
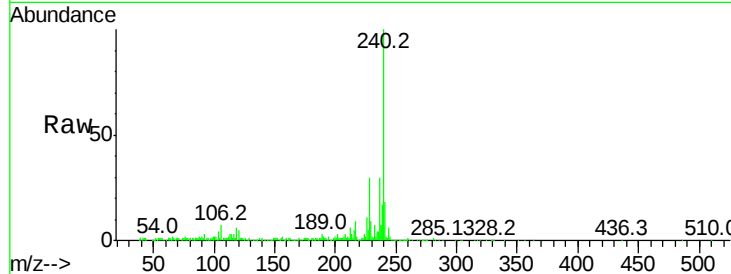
ClientSampleId :

SB4-L-12-7

Tot Ion	Ratio	Lower	Upper
240	100		
120	5.4	9.5	14.3#
236	30.3	20.7	31.1

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#77

Pyrene

Concen: 83.913 ng

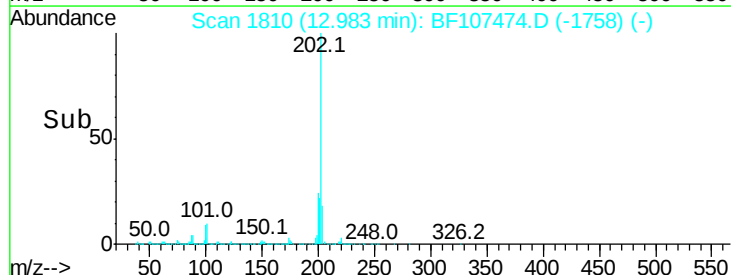
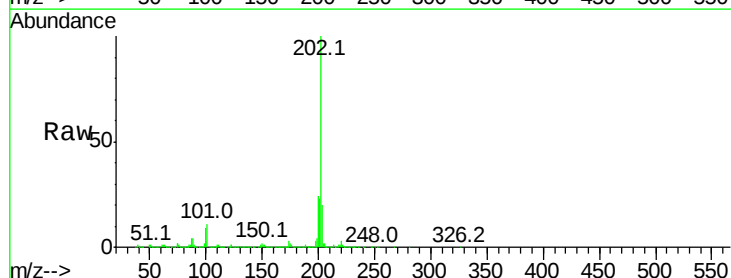
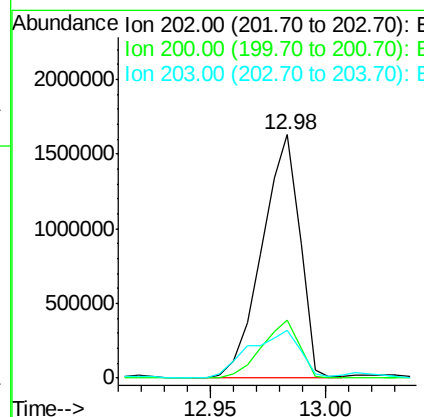
RT: 12.98 min Scan# 1810

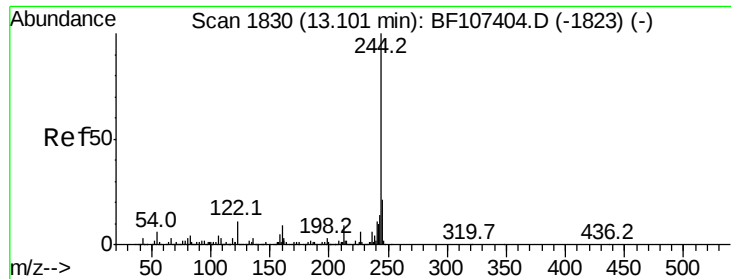
Delta R.T. 0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.7	17.4	26.2
203	19.6	14.3	21.5





#78

Terphenyl-d14

Concen: 18.123 ng

RT: 13.11 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

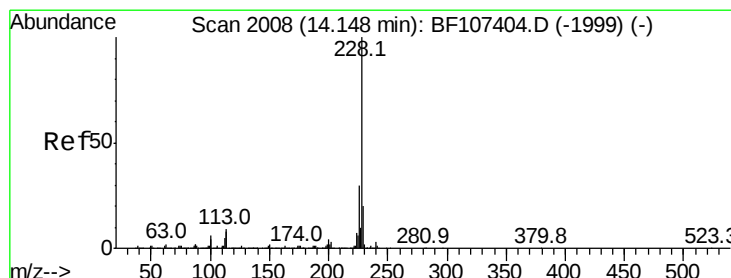
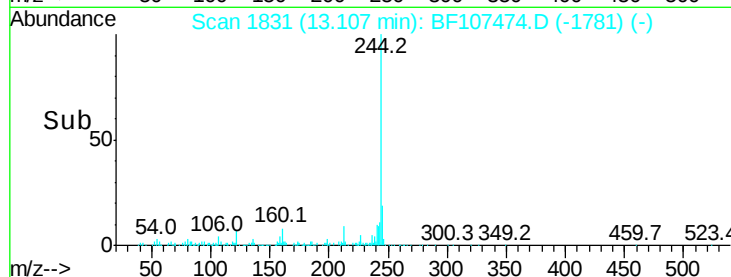
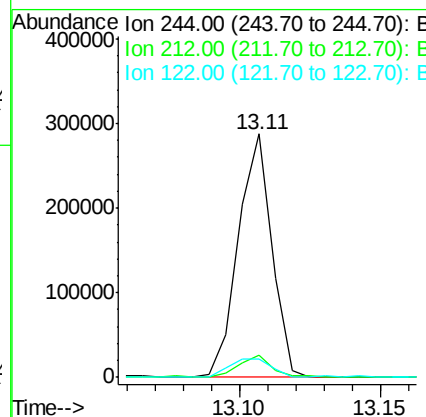
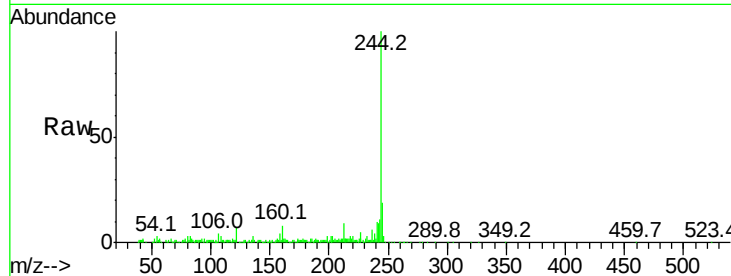
ClientSampleId :

SB4-L-12-7

Tot Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.4	8.0#
122	7.5	11.0	16.4#

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#80

Benzo(a)anthracene

Concen: 37.720 ng

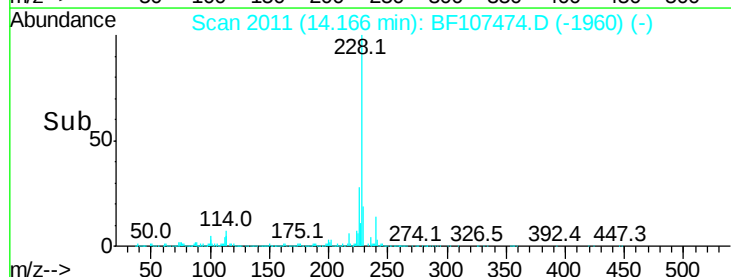
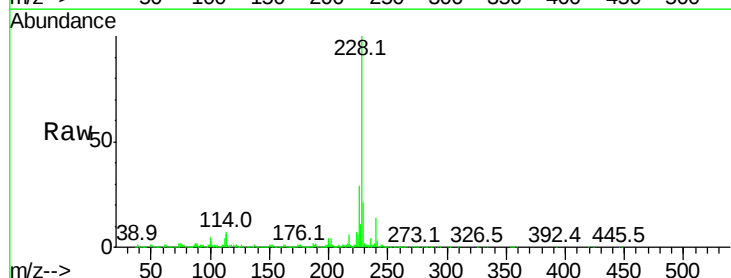
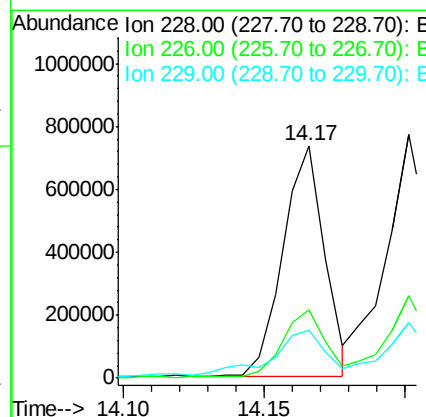
RT: 14.17 min Scan# 2011

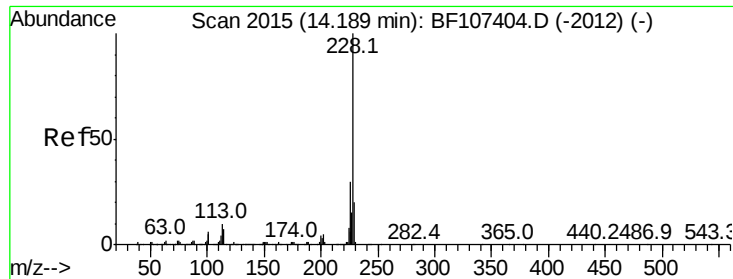
Delta R.T. 0.00 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	33.8
229	20.6	15.8	23.6





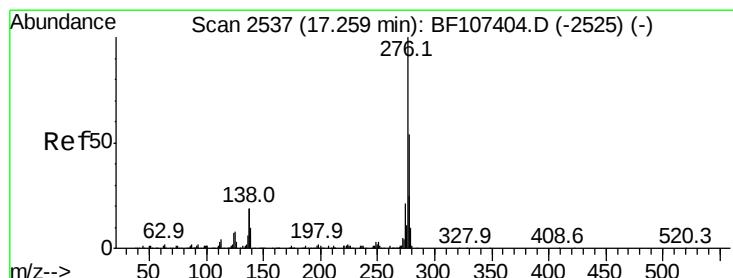
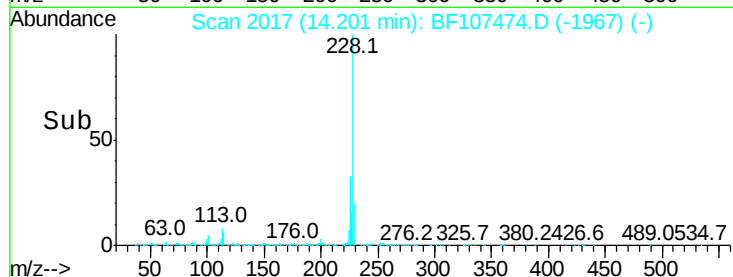
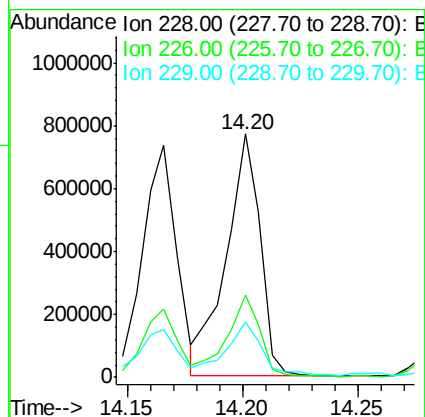
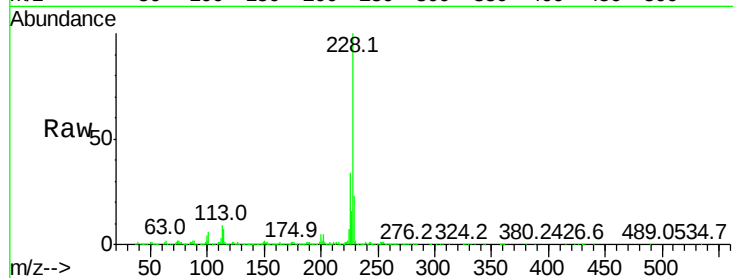
#82
Chrysene
Concen: 41.455 ng
RT: 14.20 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Instrument :
BNA_F
ClientSampleId :
SB4-L-12-7

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.8	25.0	37.6
229	22.5	16.2	24.4

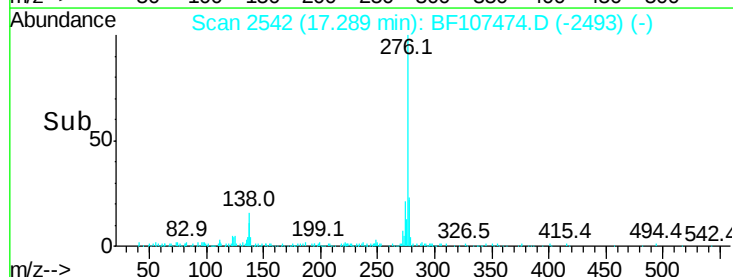
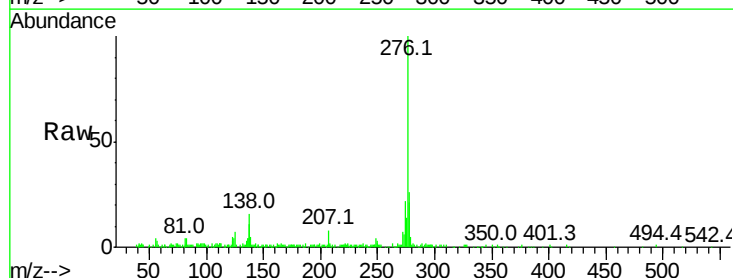
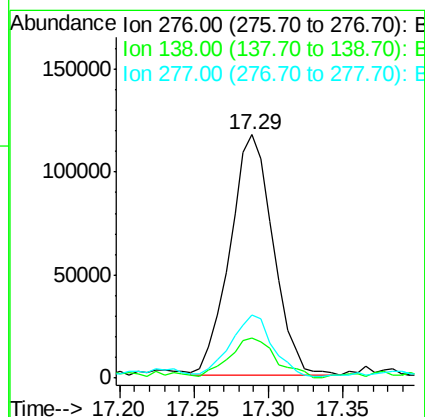
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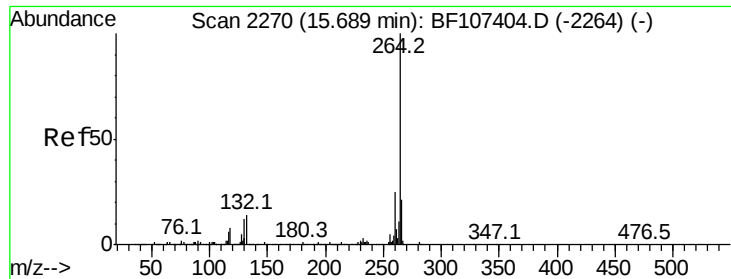
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#85
Indeno(1,2,3-cd)pyrene
Concen: 17.485 ng
RT: 17.29 min Scan# 2542
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.0	25.0	37.6#
277	24.5	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: BF107474.D

Acq: 18 Jul 2018 13:47

Instrument :

BNA_F

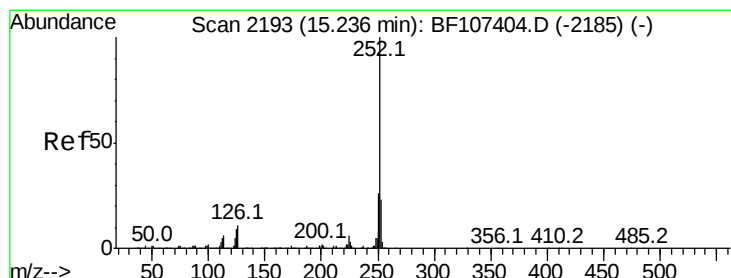
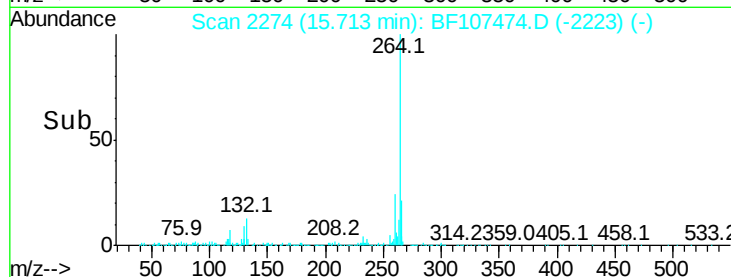
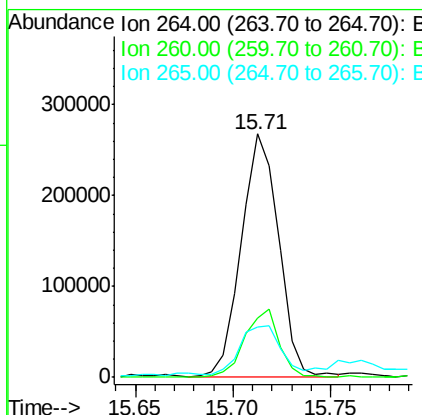
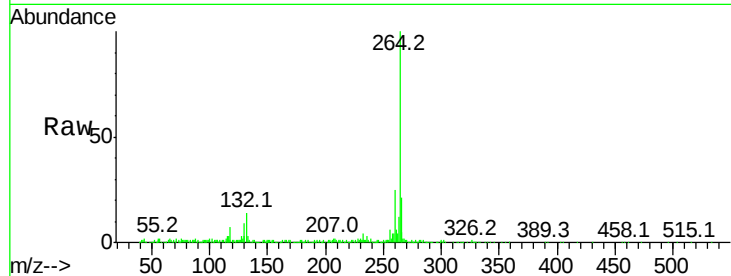
ClientSampleId :

SB4-L-12-7

Tot Ion:	264	Resp:	353742
Ion Ratio	Lower	Upper	
264	100		
260	24.5	19.2	28.8
265	20.7	17.5	26.3

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#87

Benzo(b)fluoranthene

Concen: 31.584 ng m

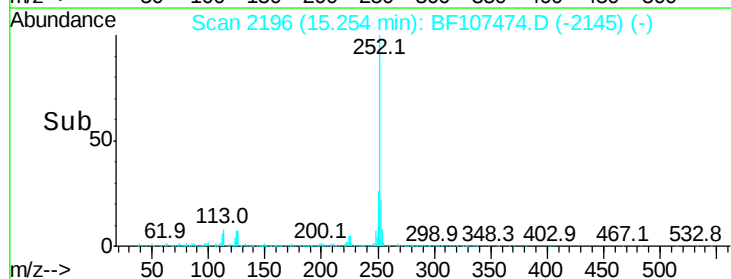
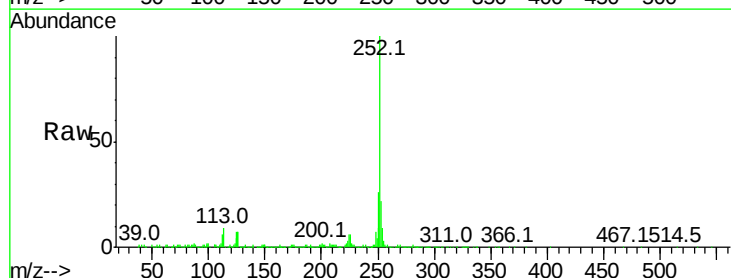
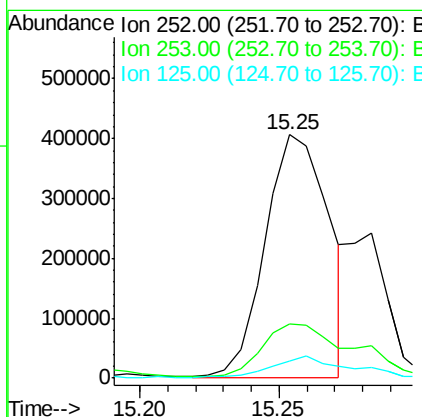
RT: 15.25 min Scan# 2196

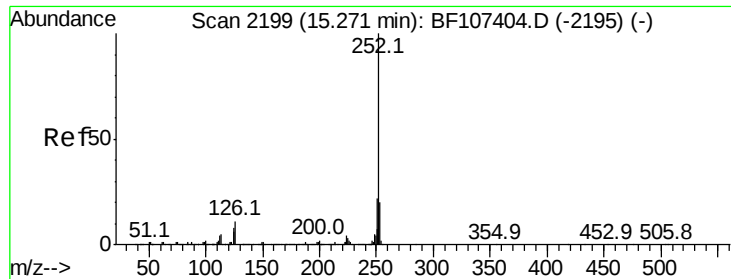
Delta R.T. 0.00 min

Lab File: BF107474.D

Acq: 18 Jul 2018 13:47

Tgt Ion:	252	Resp:	653955
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.0	25.6
125	7.2	9.0	13.6#





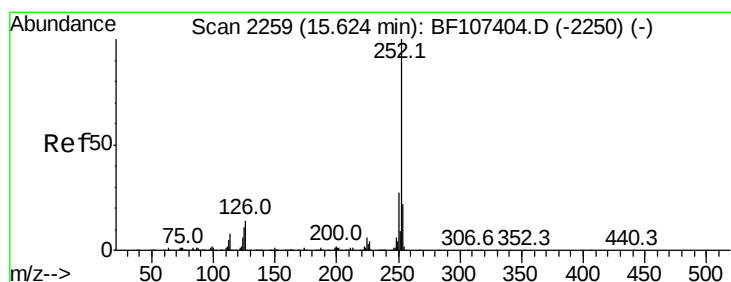
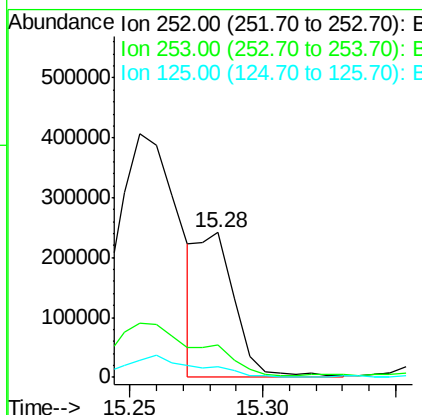
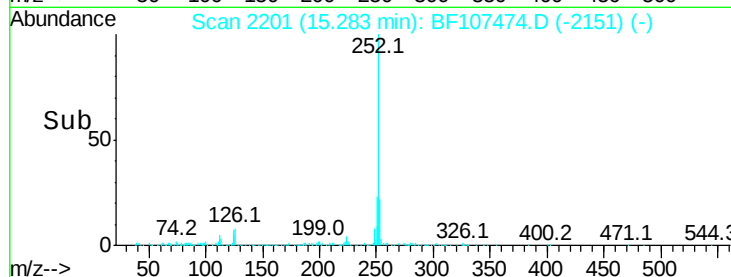
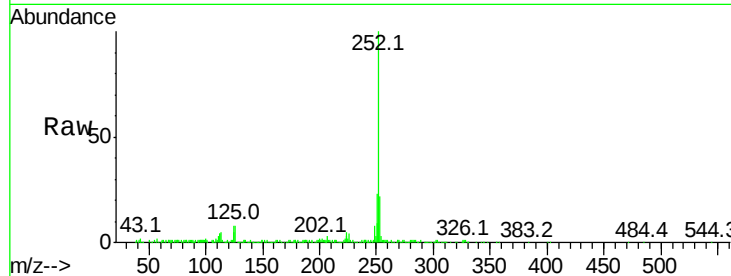
#88
Benzo(k)fluoranthene
Concen: 11.637 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Instrument :
BNA_F
ClientSampleId :
SB4-L-12-7

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.9	26.9
125	7.7	10.2	15.2#

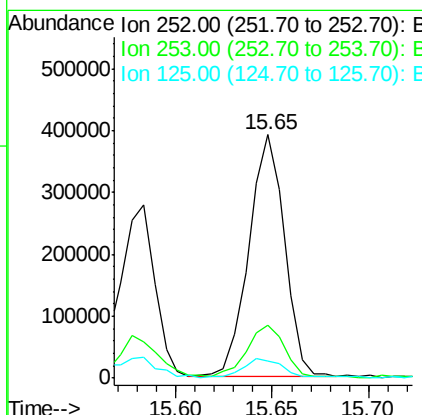
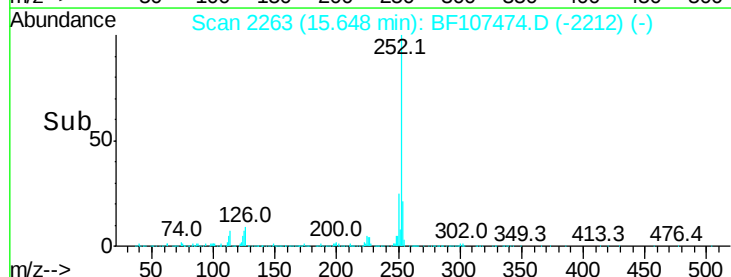
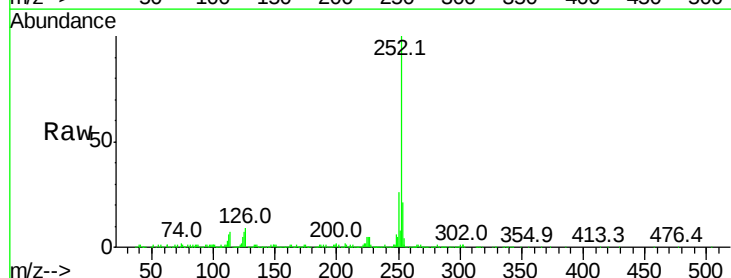
Manual Integrations
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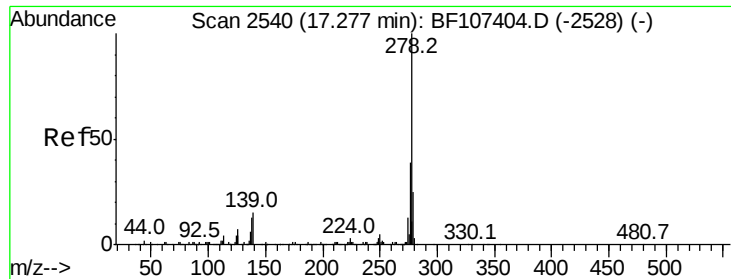
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#89
Benzo(a)pyrene
Concen: 26.550 ng m
RT: 15.65 min Scan# 2263
Delta R.T. 0.00 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.1	25.7
125	7.3	9.8	14.6#





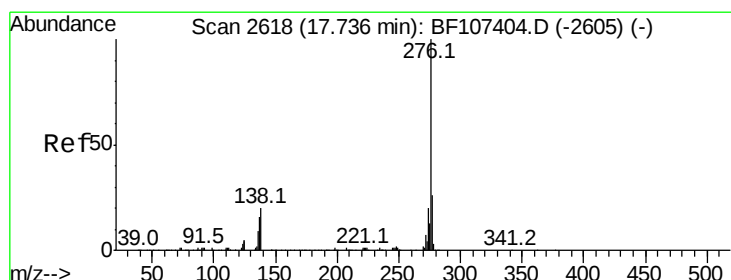
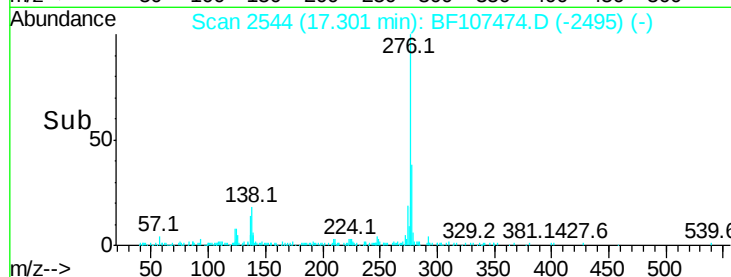
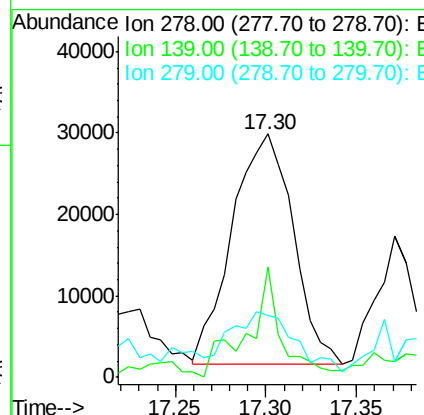
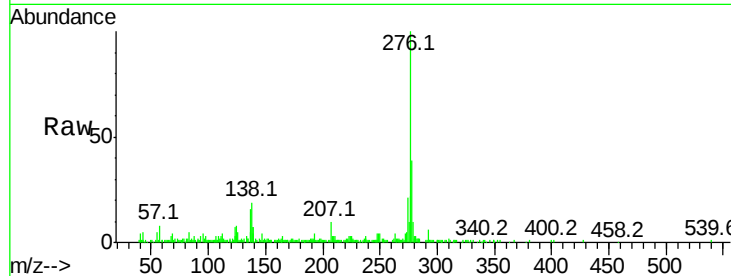
#90
Dibenzo(a,h)anthracene
Concen: 4.623 ng
RT: 17.30 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Instrument :
BNA_F
ClientSampleId :
SB4-L-12-7

Tot Ion	Ratio	Lower	Upper
278	100		
139	45.3	15.9	23.9#
279	25.2	19.0	28.4

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#91
Benzo(g,h,i)perylene
Concen: 13.510 ng m
RT: 17.77 min Scan# 2624
Delta R.T. -0.01 min
Lab File: BF107474.D
Acq: 18 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.4	17.9	26.9
138	15.3	21.8	32.8#

