

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107473.D
 Acq On : 18 Jul 2018 13:20
 Operator : JU/SJ
 Sample : J4016-14 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB4-U-23-13

Manual Integrations
 APPROVED

Sohil
 7/19/2018 11:49:27 AM

Quant Time: Jul 18 16:12:59 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	121553	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	511724	20.00	ng	0.00
38) Acenaphthene-d10	10.03	164	280079	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	549701	20.00	ng	0.00
75) Chrysene-d12	14.17	240	344238	20.00	ng	0.00
86) Perylene-d12	15.71	264	338355	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	327443	40.91	ng	0.00
7) Phenol-d6	6.60	99	435424	42.08	ng	-0.01
23) Nitrobenzene-d5	7.54	82	293966	30.63	ng	-0.01
41) 2,4,6-Tribromophenol	10.82	330	83134	33.78	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	565911	26.19	ng	0.00
78) Terphenyl-d14	13.11	244	528388	38.14	ng	0.00
Target Compounds						
49) Dimethylphthalate	9.73	163	87447	3.930	ng	Qvalue # 95
70) Phenanthrene	11.55	178	575081	20.992	ng	97
71) Anthracene	11.59	178	118501	4.343	ng	98
74) Fluoranthene	12.74	202	627046	20.139	ng	93
77) Pyrene	12.97	202	646661	27.625	ng	96
80) Benzo(a)anthracene	14.16	228	274148	13.016	ng	96
82) Chrysene	14.19	228	252926	12.571	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	98955m	6.909	ng	
87) Benzo(b)fluoranthene	15.25	252	276350m	13.954	ng	
88) Benzo(k)fluoranthene	15.28	252	71327m	3.690	ng	
89) Benzo(a)pyrene	15.64	252	203438m	11.192	ng	
90) Dibenzo(a,h)anthracene	17.28	278	30886m	2.251	ng	
91) Benzo(a,h,i)perylene	17.76	276	97203	6.973	ng	99

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

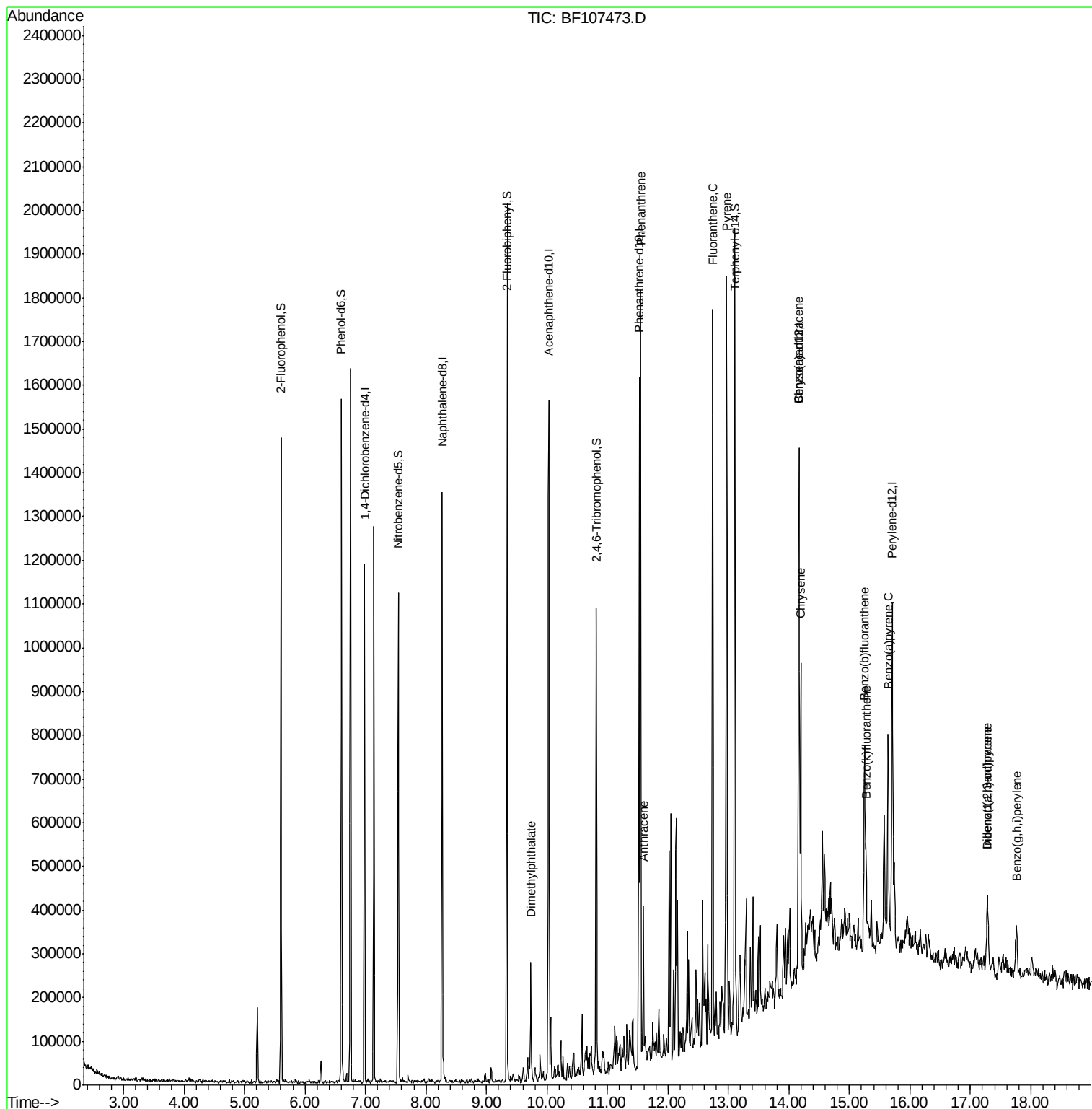
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

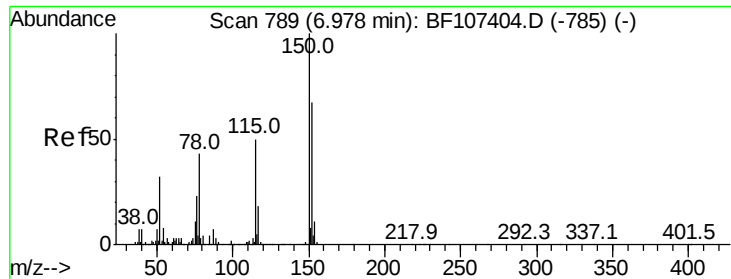
Instrument :
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Quant Time: Jul 18 16:12:59 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
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#1

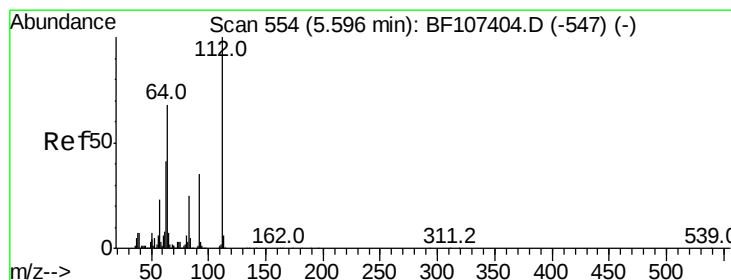
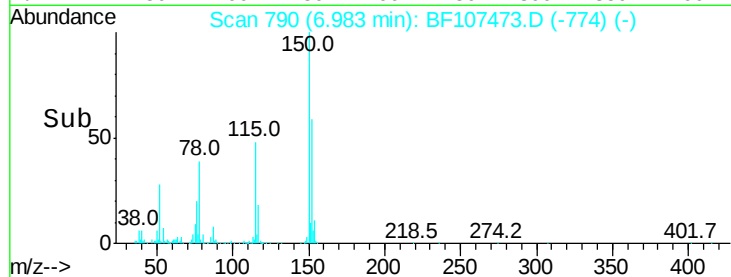
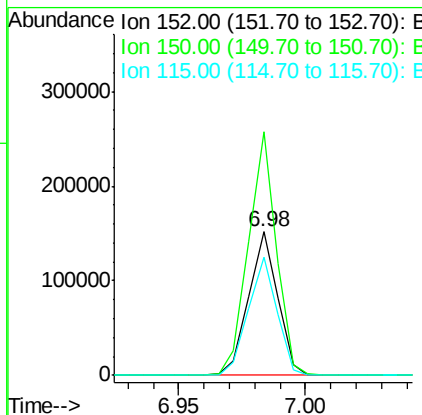
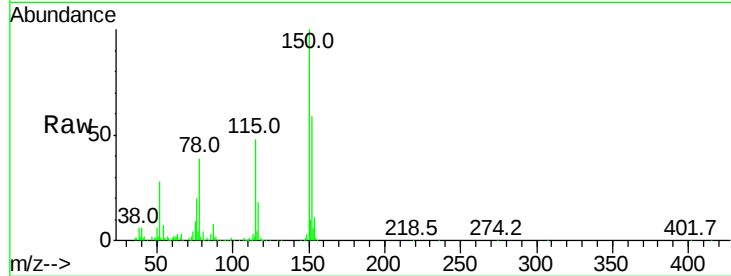
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Instrument :
BNA_F
ClientSampleId :
SB4-U-23-13

Tot Ion	Ratio	Lower	Upper
152	100		
150	169.7	124.6	186.8
115	81.9	50.1	75.1

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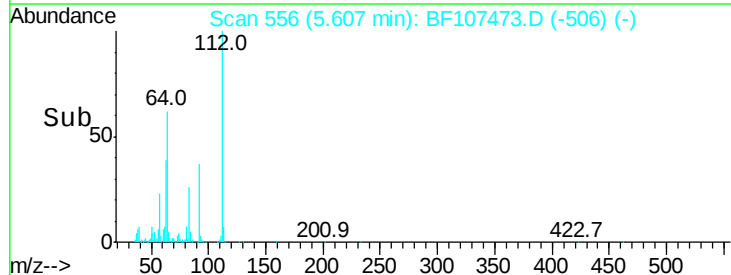
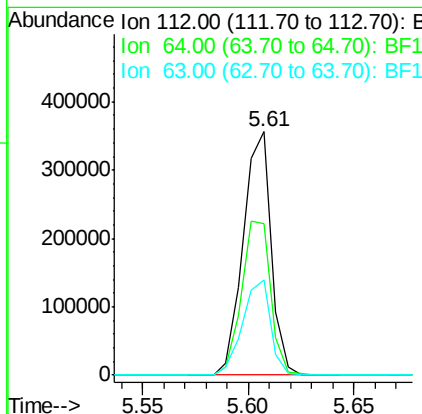
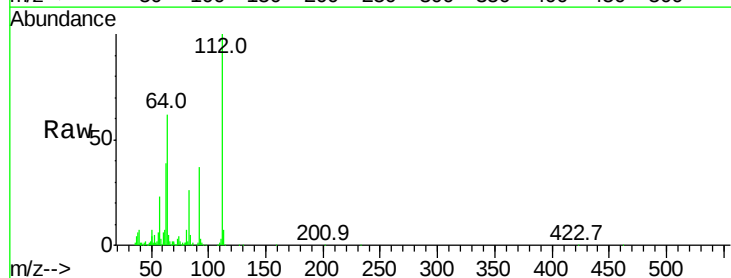
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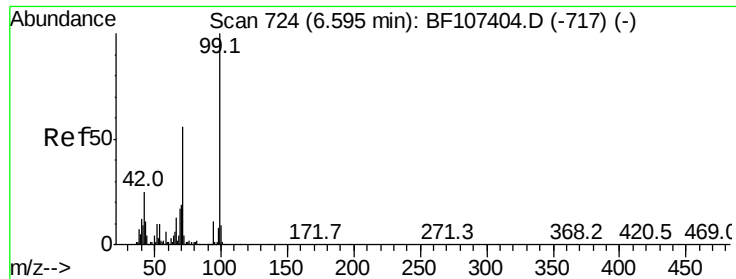


#5

2-Fluorophenol
Concen: 40.912 ng
RT: 5.61 min Scan# 556
Delta R.T. -0.01 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.9	71.9
63	39.0	23.7	35.5





#7

Phenol-d6

Concen: 42.080 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

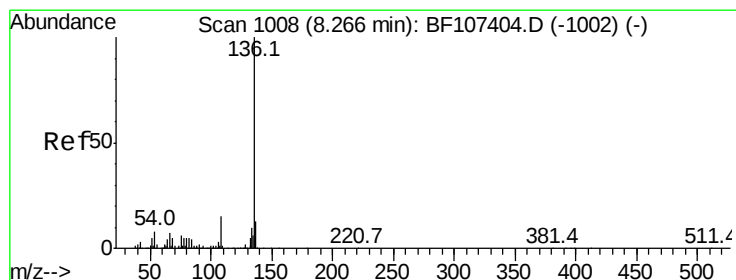
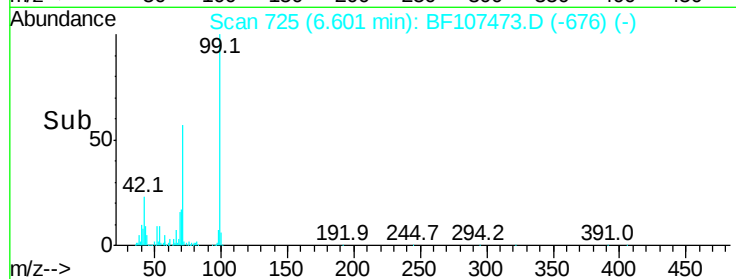
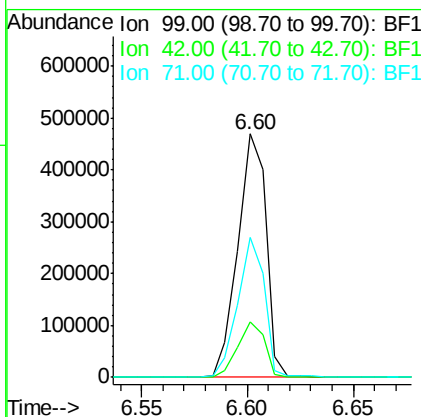
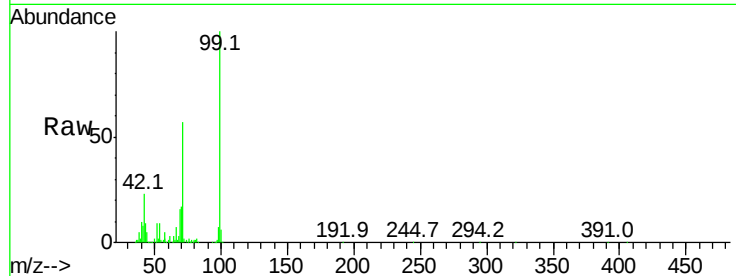
ClientSampleId :

SB4-U-23-13

Tot Ion:	99	Resp:	435424
Ion Ratio	Lower	Upper	
99	100		
42	23.0	14.5	21.7#
71	57.3	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

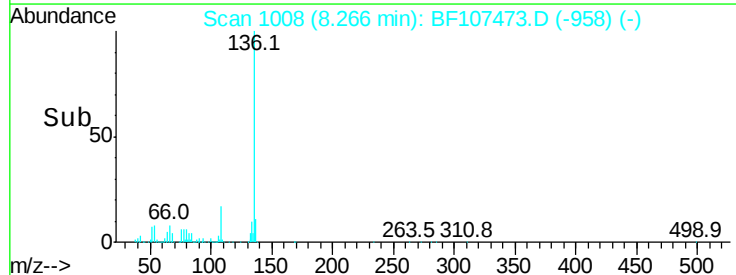
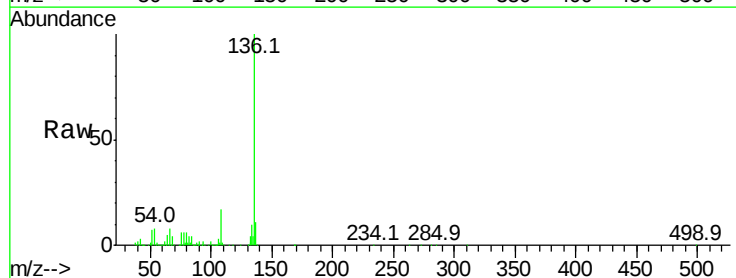
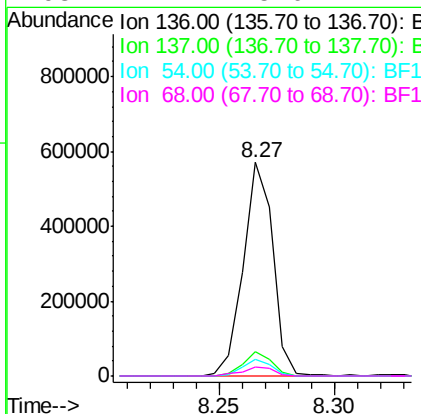
RT: 8.27 min Scan# 1008

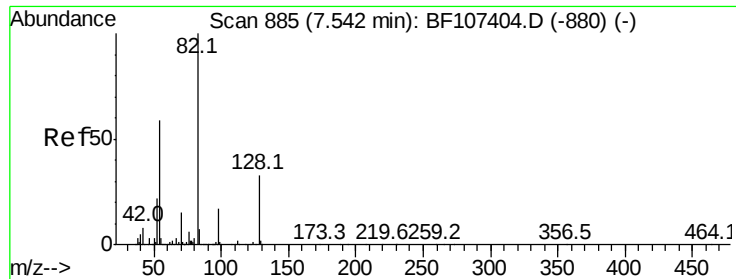
Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion:	136	Resp:	511724
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.9	6.6	9.8
68	4.2	5.0	7.4#





#23

Nitrobenzene-d5

Concen: 30.633 ng

RT: 7.54 min Scan# 885

Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

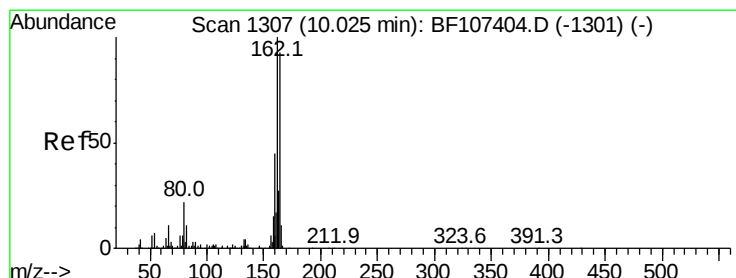
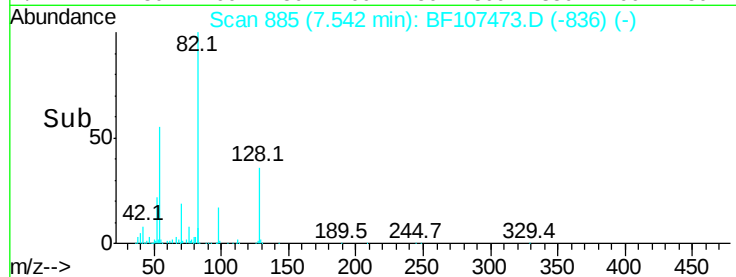
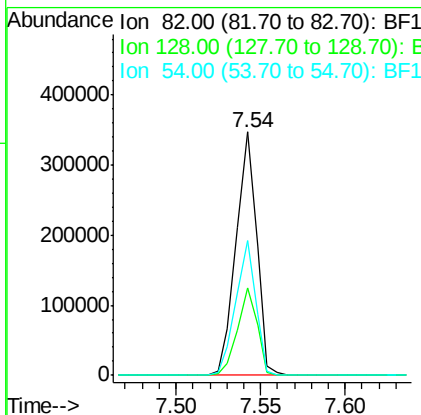
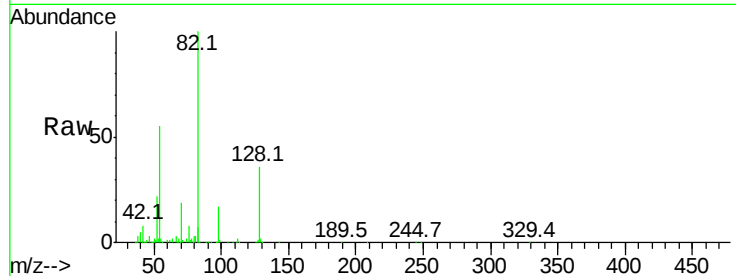
ClientSampleId :

SB4-U-23-13

Tot Ion	82	Resp	293966
Ion Ratio	Lower	Upper	
82	100		
128	36.2	36.1	54.1
54	55.3	41.4	62.2

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#38

Acenaphthene-d10

Concen: 20.000 ng

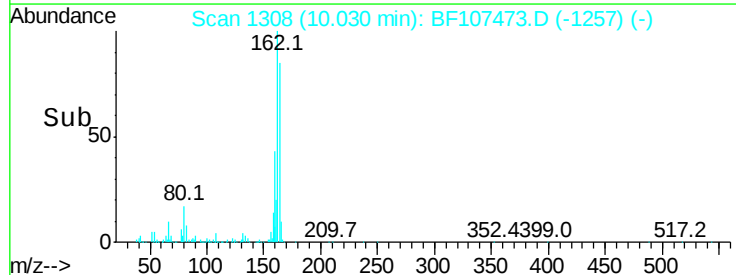
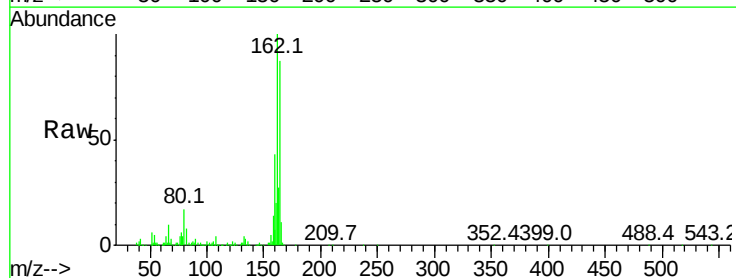
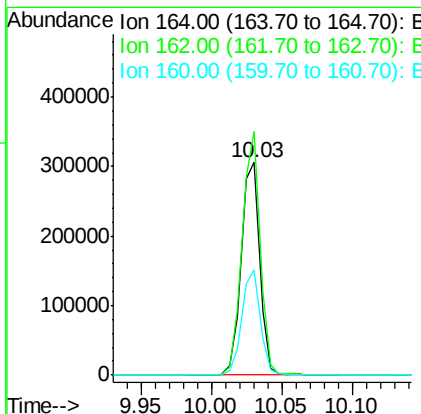
RT: 10.03 min Scan# 1308

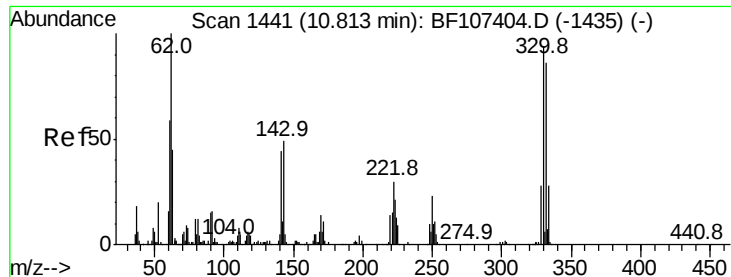
Delta R.T. -0.00 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion	164	Resp	280079
Ion Ratio	Lower	Upper	
164	100		
162	114.7	86.1	129.1
160	49.7	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 33.783 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

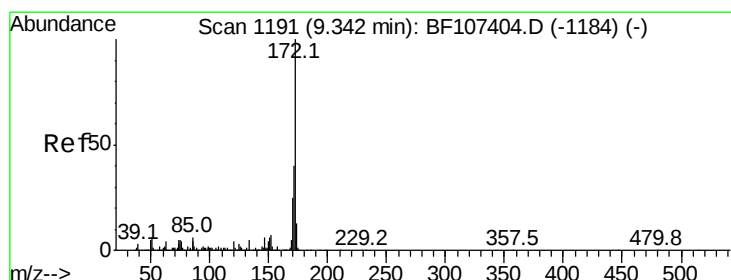
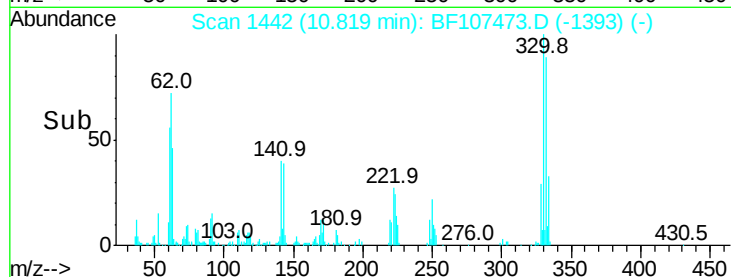
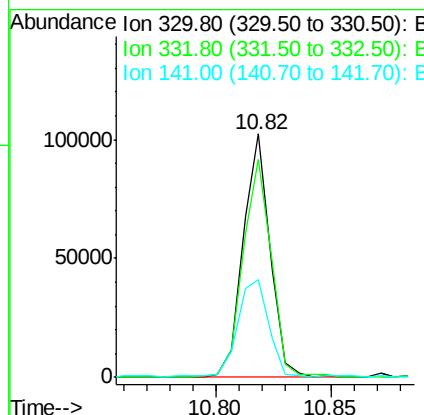
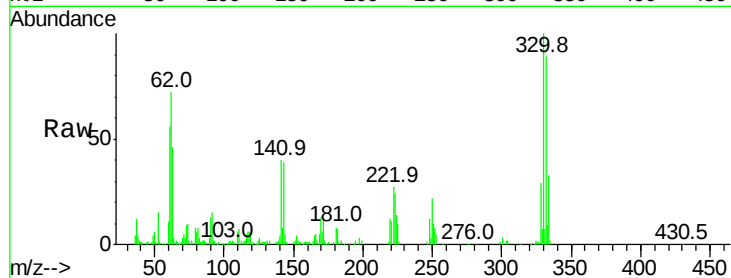
ClientSampled :

SB4-U-23-13

Tot Ion:	330	Resp:	83134
Ion Ratio	Lower	Upper	
330	100		
332	94.6	77.0	115.6
141	45.6	29.9	44.9#

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#44

2-Fluorobiphenyl

Concen: 26.190 ng

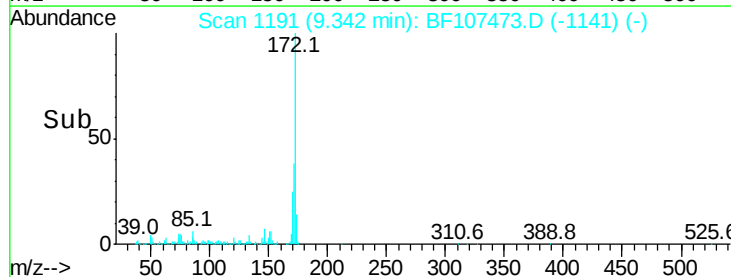
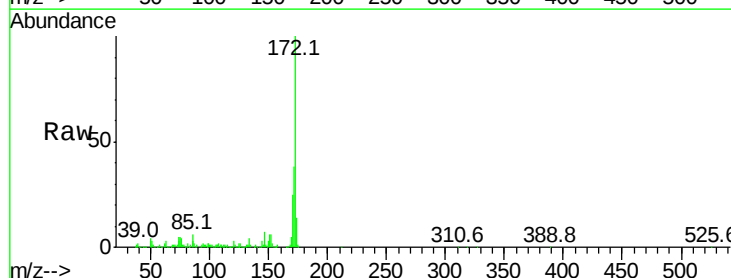
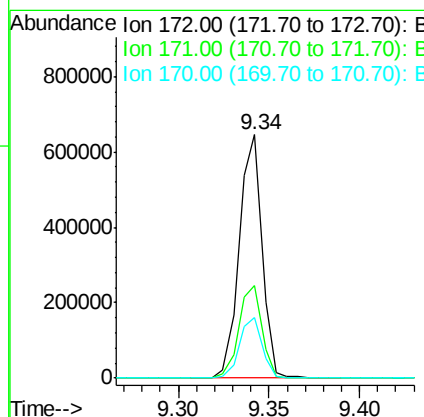
RT: 9.34 min Scan# 1191

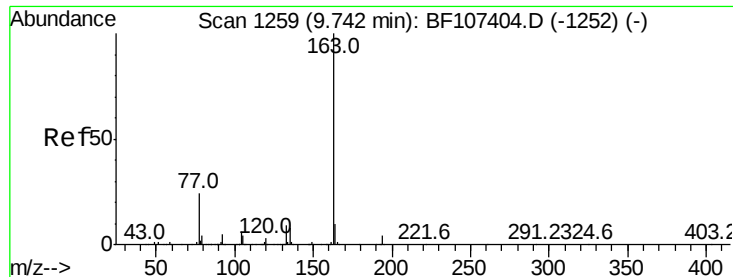
Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion:	172	Resp:	565911
Ion Ratio	Lower	Upper	
172	100		
171	38.1	29.7	44.5
170	25.0	19.6	29.4





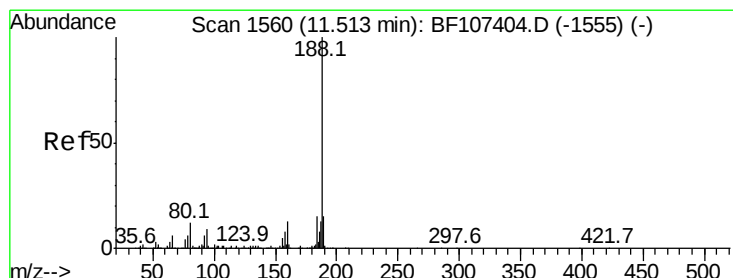
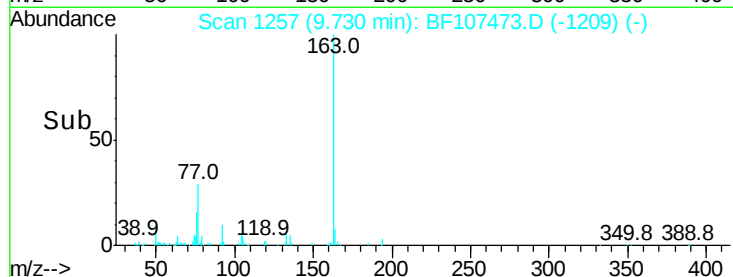
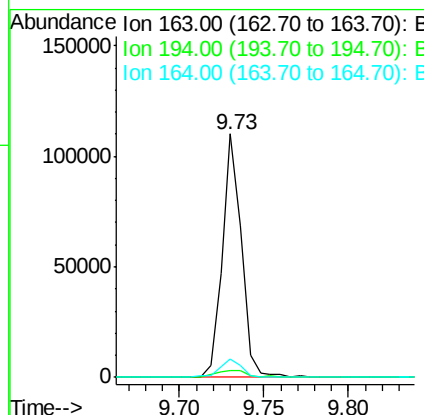
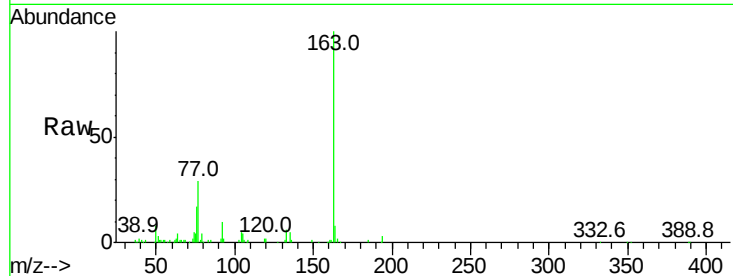
#49
Dimethylphthalate
Concen: 3.930 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.02 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Instrument :
BNA_F
ClientSampleId :
SB4-U-23-13

Tot Ion	Ratio	Lower	Upper
163	100		
194	2.7	2.7	4.1#
164	7.8	8.2	12.2#

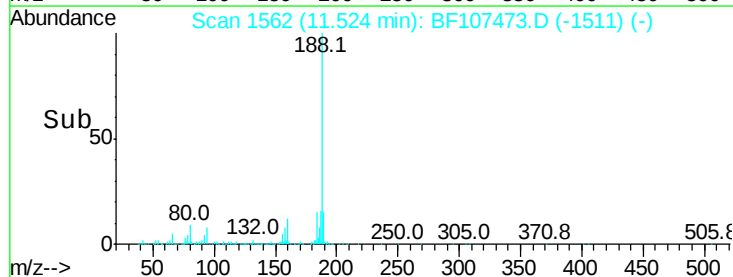
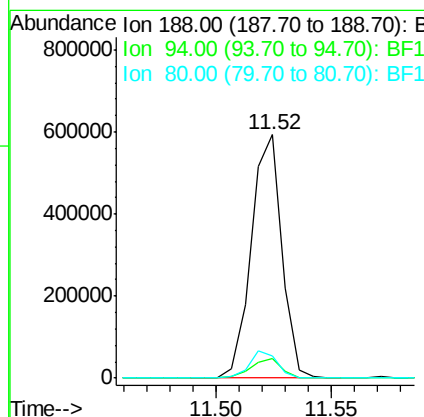
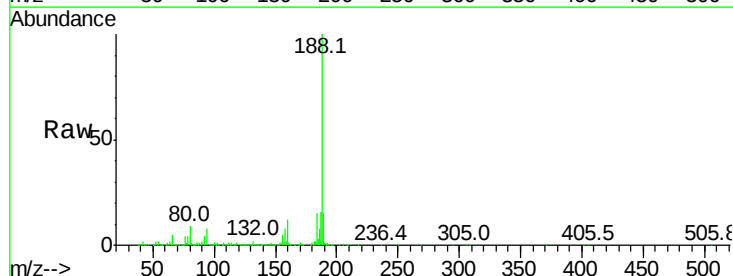
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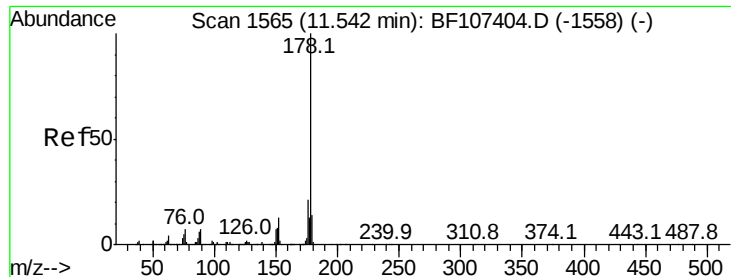
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#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	8.5	12.7#
80	8.9	9.2	13.8#





#70

Phenanthrene

Concen: 20.992 ng

RT: 11.55 min Scan# 1566

Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

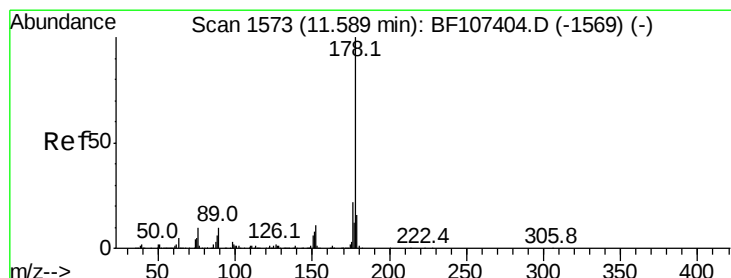
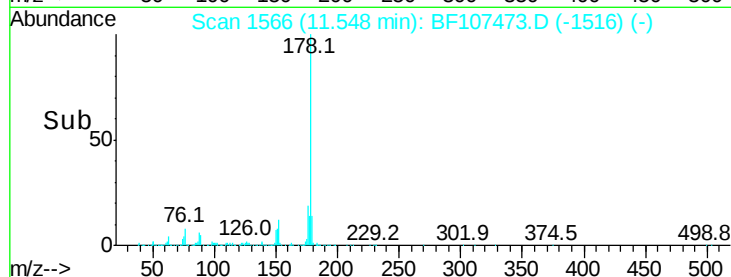
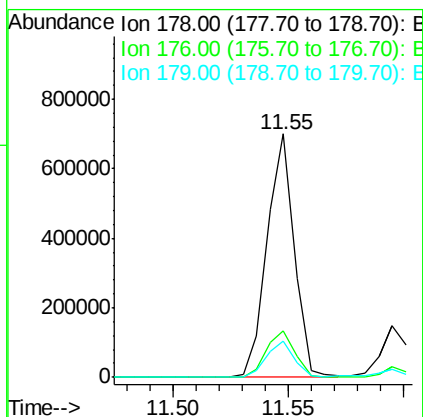
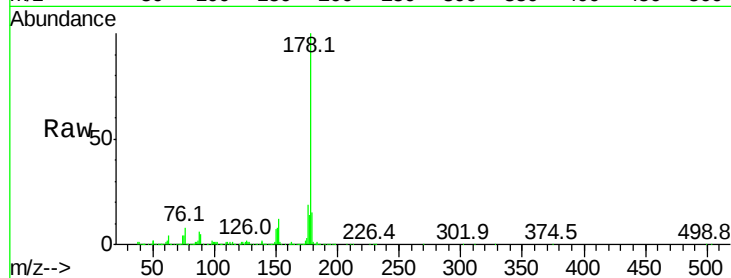
ClientSampleId :

SB4-U-23-13

Tot Ion:178	Resp:	575081
Ion Ratio	Lower	Upper
178	100	
176	18.9	15.8 23.8
179	14.6	13.0 19.6

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#71

Anthracene

Concen: 4.343 ng

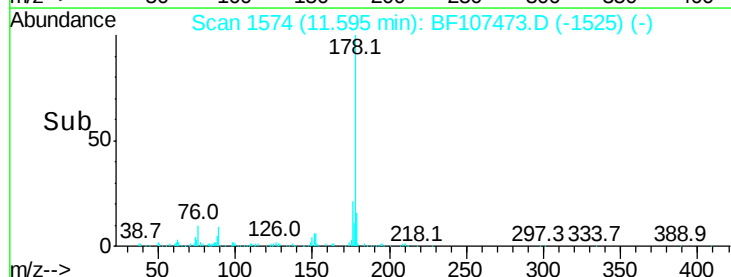
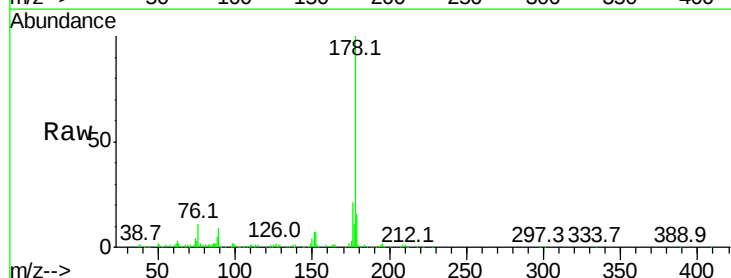
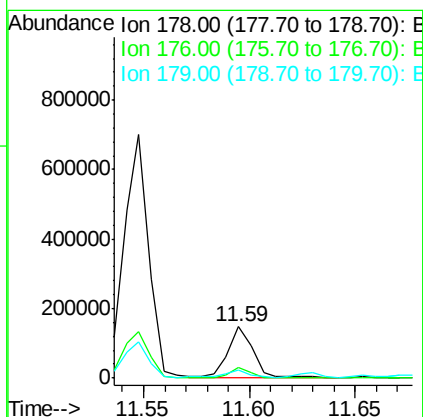
RT: 11.59 min Scan# 1574

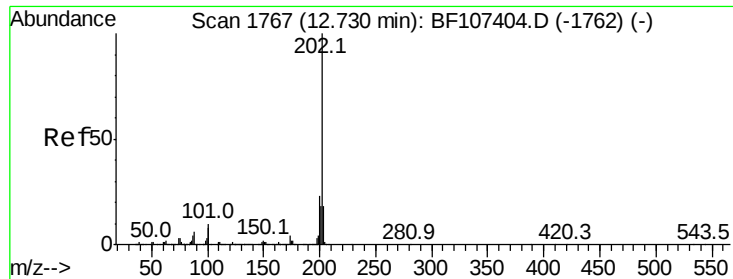
Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion:178	Resp:	118501
Ion Ratio	Lower	Upper
178	100	
176	20.8	15.4 23.2
179	15.7	12.6 19.0





#74

Fluoranthene

Concen: 20.139 ng

RT: 12.74 min Scan# 1769

Delta R.T. -0.00 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

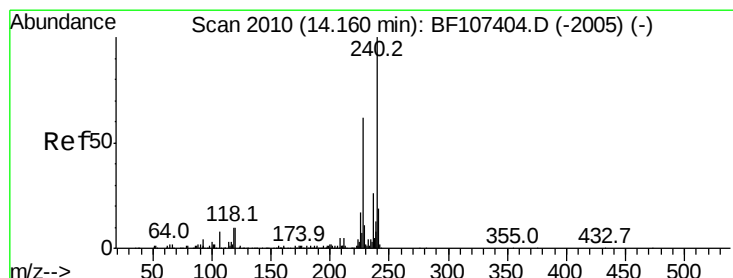
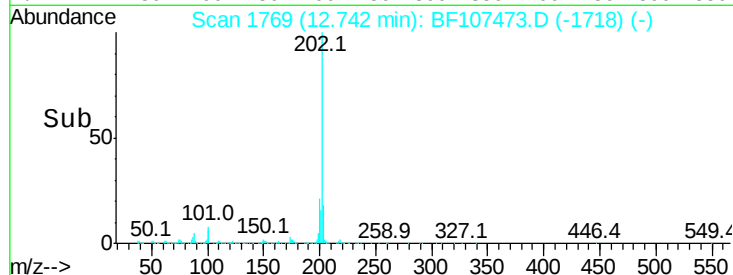
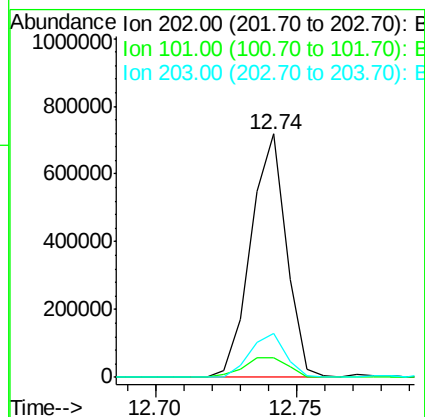
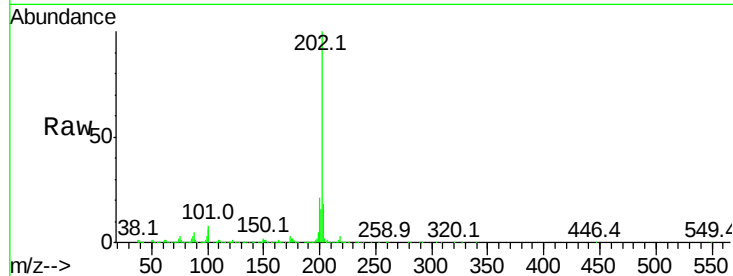
ClientSampleId :

SB4-U-23-13

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	7.8	0.0	34.1
203	18.3	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

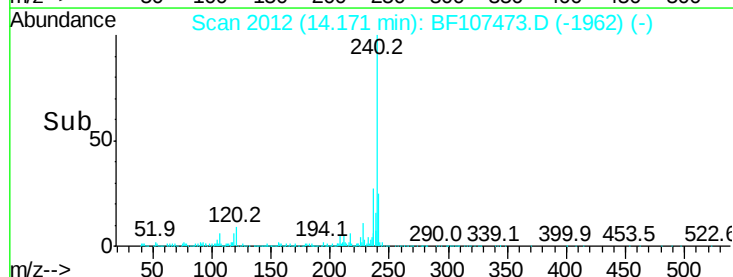
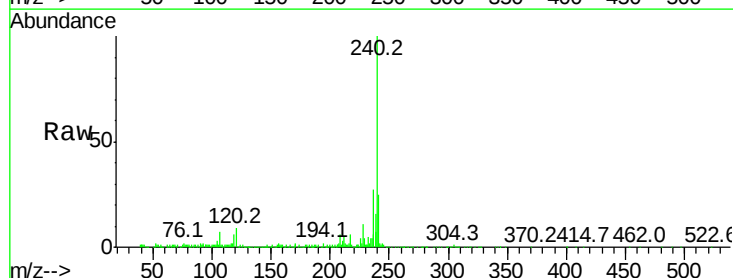
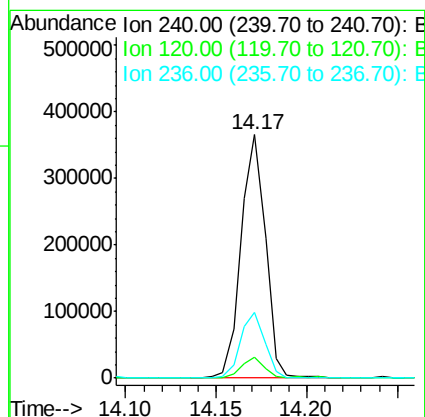
RT: 14.17 min Scan# 2012

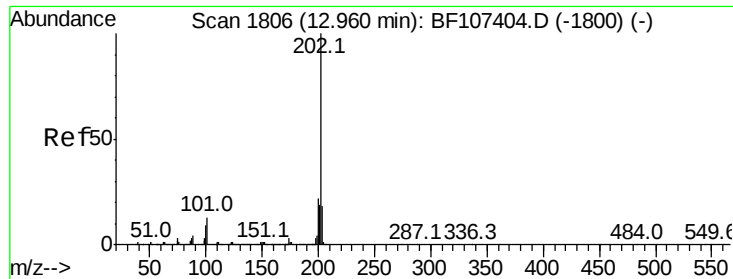
Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	26.8	20.7	31.1





#77

Pvrene

Concen: 27.625 ng

RT: 12.97 min Scan# 1808

Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

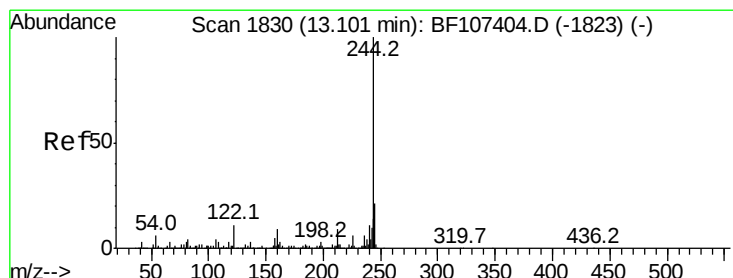
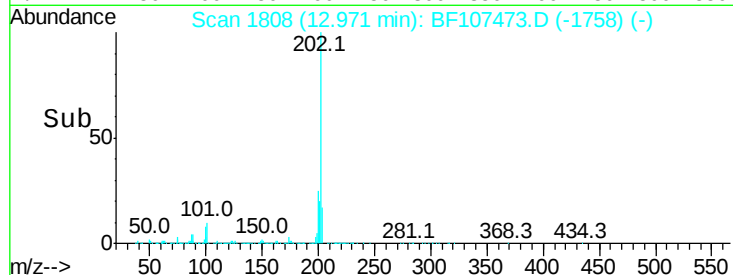
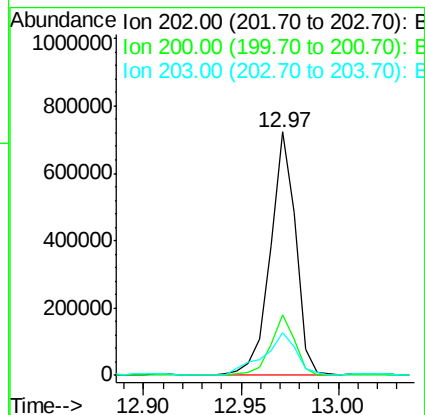
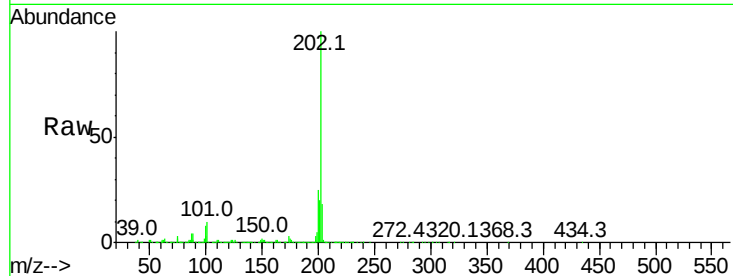
ClientSampleId :

SB4-U-23-13

Tot Ion:	202	Resp:	646661
Ion Ratio	Lower	Upper	
202	100		
200	24.7	17.4	26.2
203	17.6	14.3	21.5

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#78

Terphenyl-d14

Concen: 38.137 ng

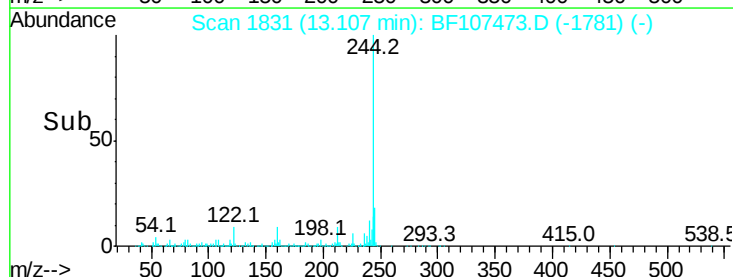
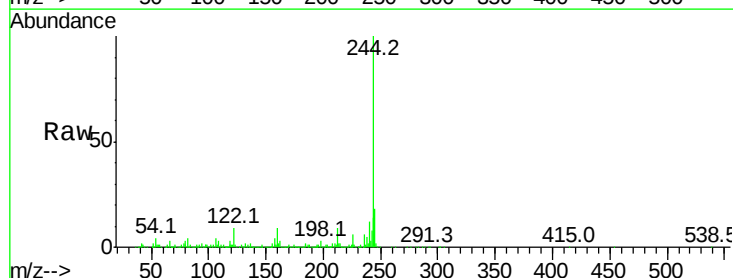
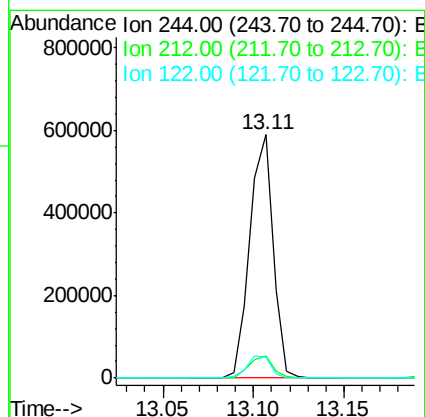
RT: 13.11 min Scan# 1831

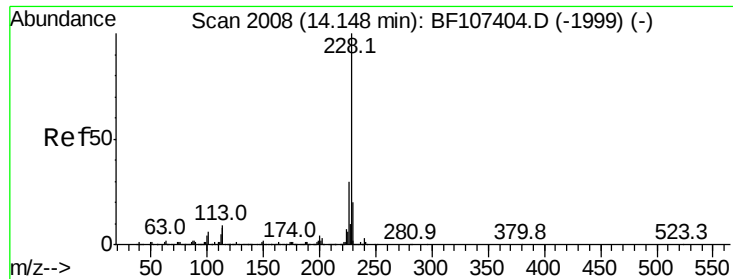
Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion:	244	Resp:	528388
Ion Ratio	Lower	Upper	
244	100		
212	9.2	5.4	8.0#
122	8.5	11.0	16.4#





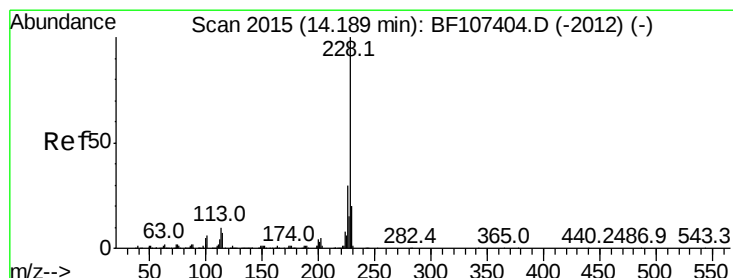
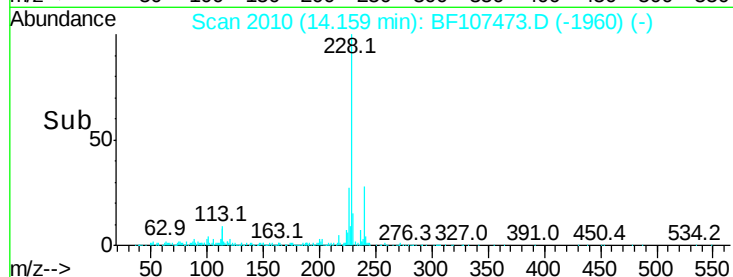
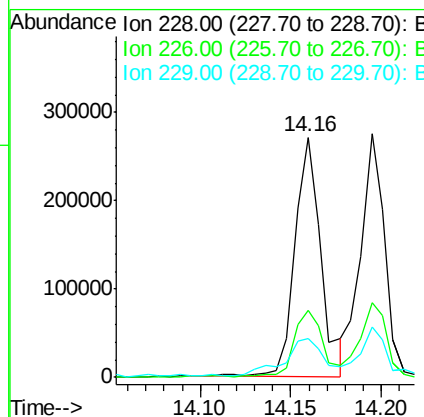
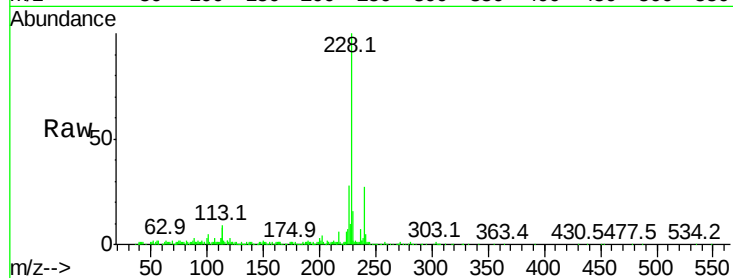
#80
Benzo(a)anthracene
Concen: 13.016 ng
RT: 14.16 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Instrument :
BNA_F
ClientSampleId :
SB4-U-23-13

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	16.2	15.8	23.6

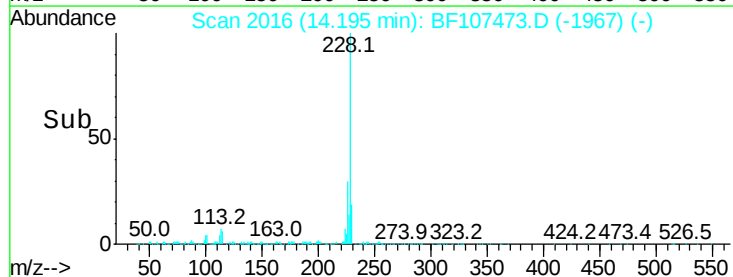
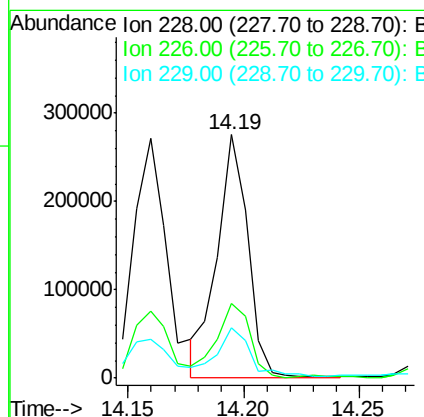
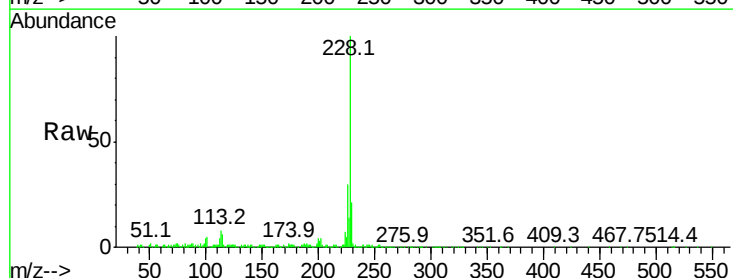
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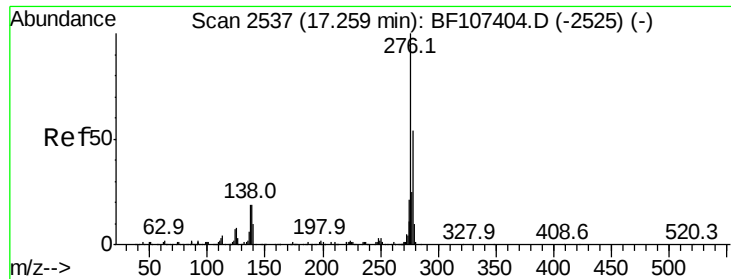
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#82
Chrysene
Concen: 12.571 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	20.6	16.2	24.4





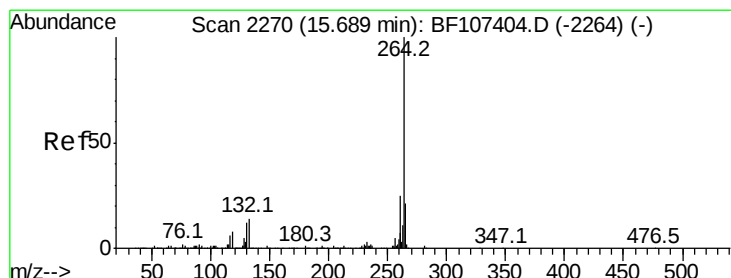
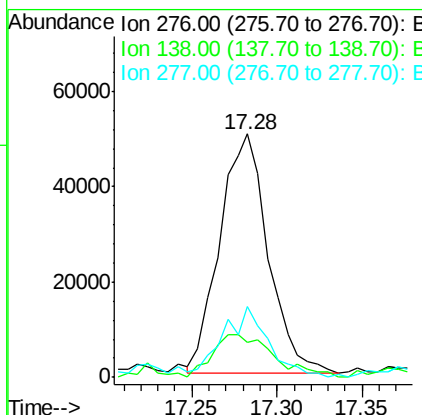
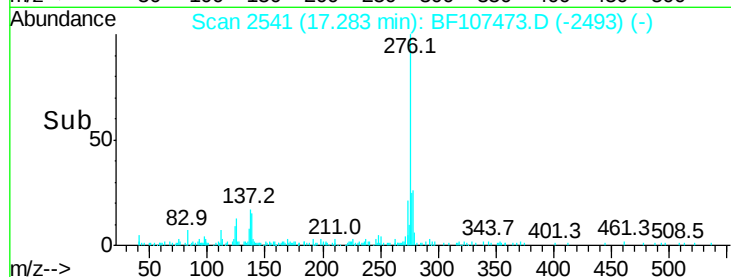
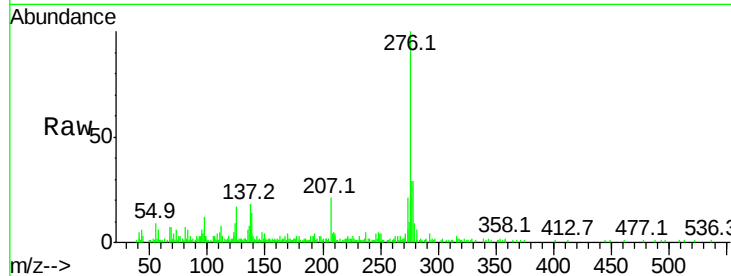
#85
Indeno(1,2,3-cd)pyrene
Concen: 6.909 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.02 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Instrument :
BNA_F
ClientSampleId :
SB4-U-23-13

Tot Ion	Ratio	Lower	Upper
276	100		
138	3.2	25.0	37.6#
277	2.0	20.1	30.1#

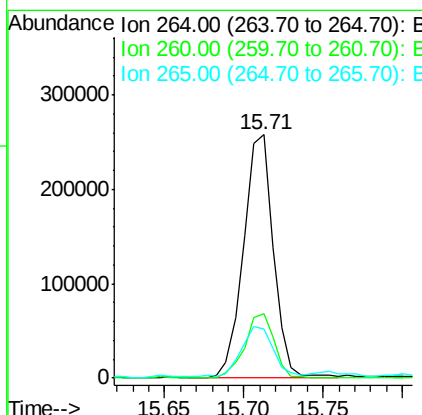
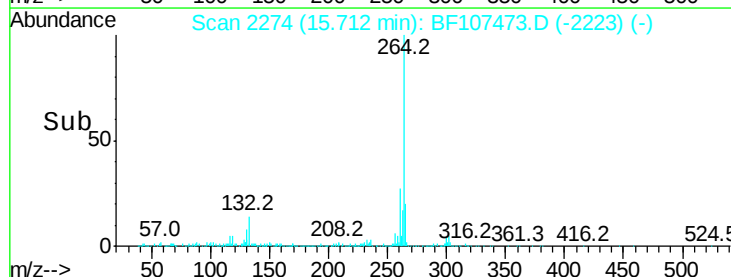
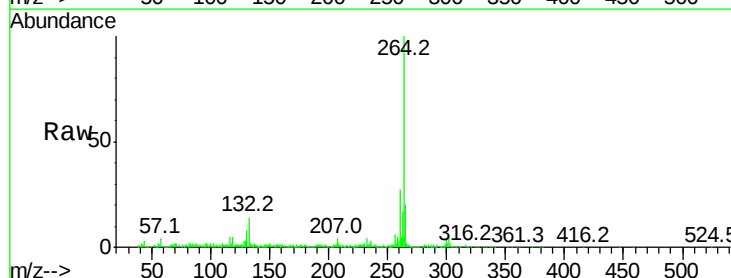
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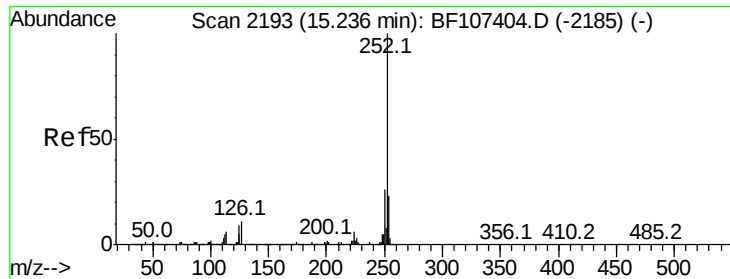
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BF107473.D
Acq: 18 Jul 2018 13:20

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.7	19.2	28.8
265	20.1	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 13.954 ng m

RT: 15.25 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

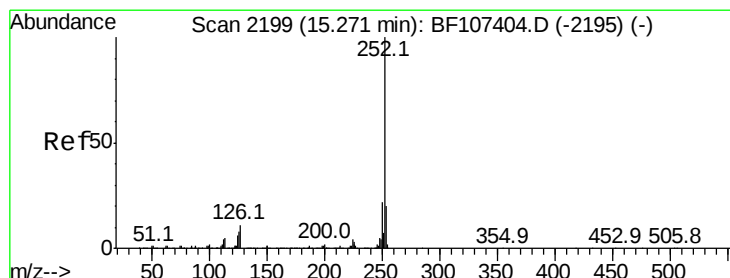
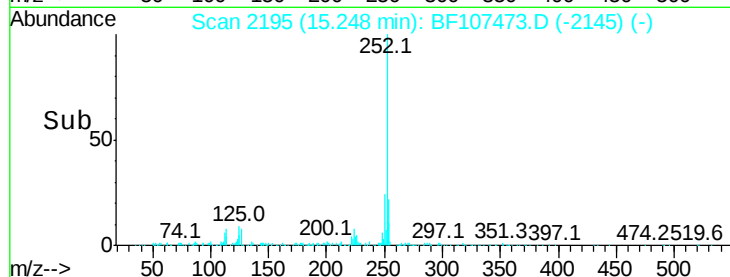
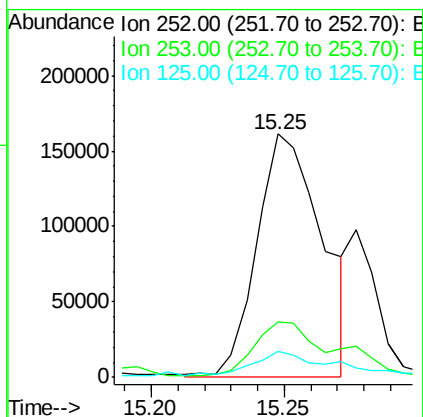
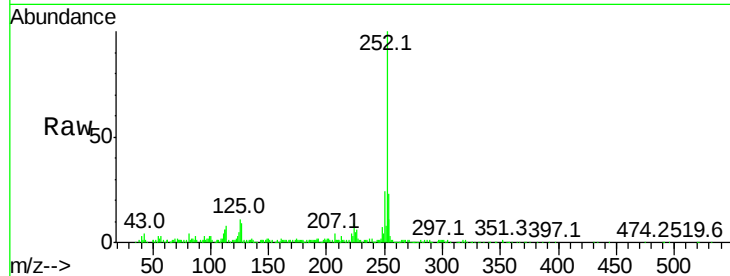
ClientSampleId :

SB4-U-23-13

Tot Ion:	252	Resp:	276350
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.0	25.6
125	10.8	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 3.690 ng m

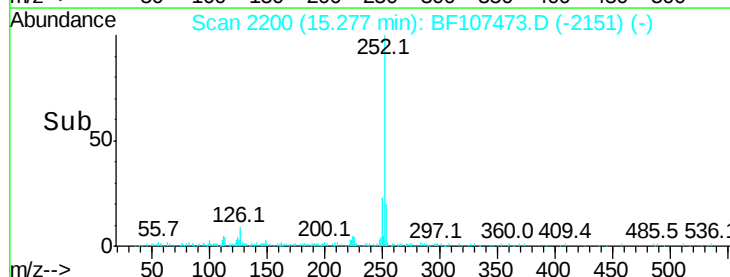
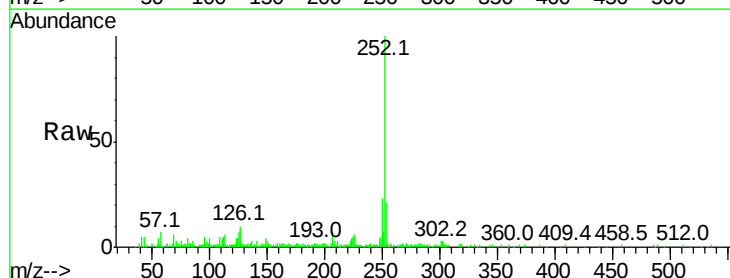
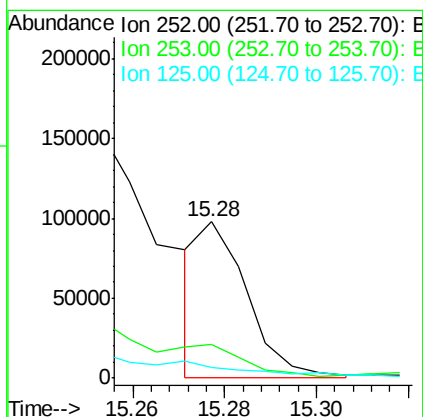
RT: 15.28 min Scan# 2200

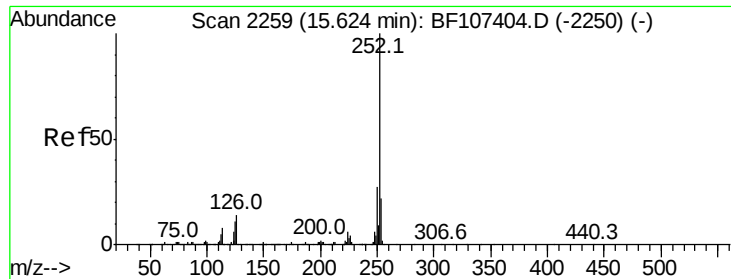
Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion:	252	Resp:	71327
Ion Ratio	Lower	Upper	
252	100		
253	21.3	17.9	26.9
125	6.8	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 11.192 ng m

RT: 15.64 min Scan# 2262

Delta R.T. -0.01 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Instrument :

BNA_F

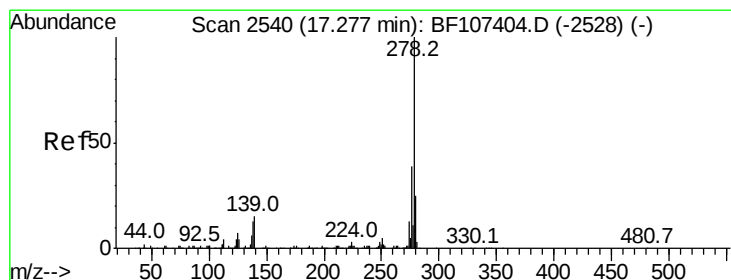
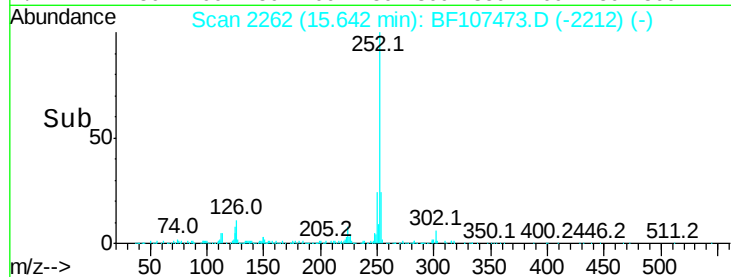
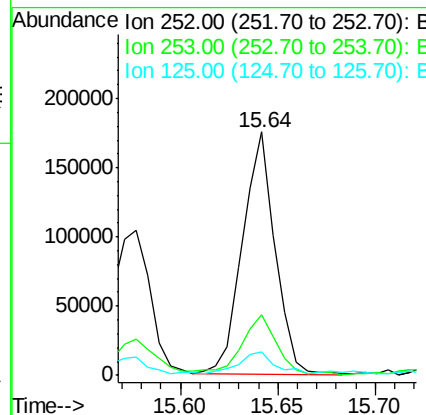
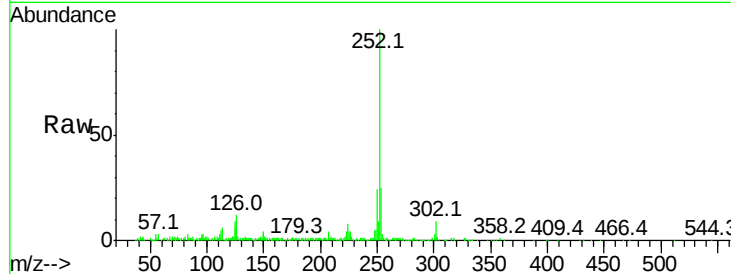
ClientSampleId :

SB4-U-23-13

Tot Ion:	252	Resp:	203438
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.1	25.7
125	9.4	9.8	14.6#

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#90

Dibenzo(a,h)anthracene

Concen: 2.251 ng m

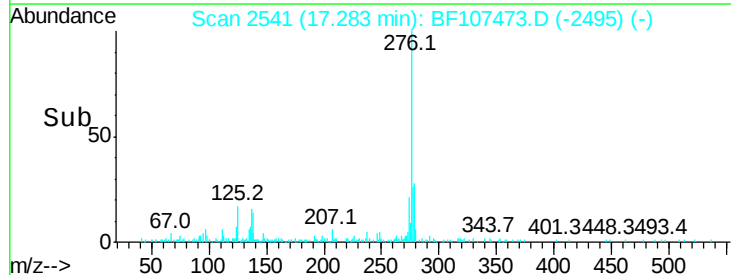
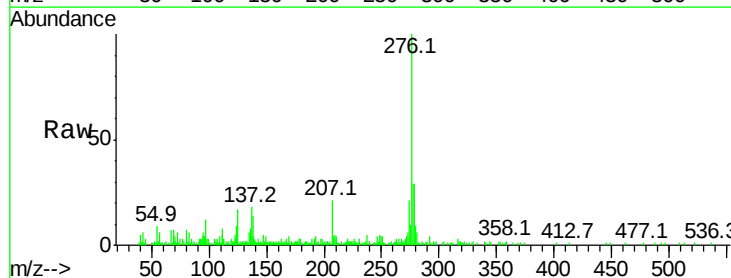
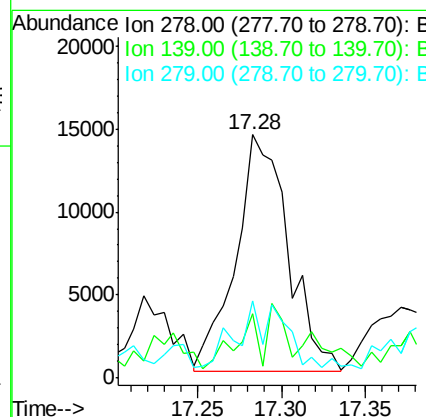
RT: 17.28 min Scan# 2541

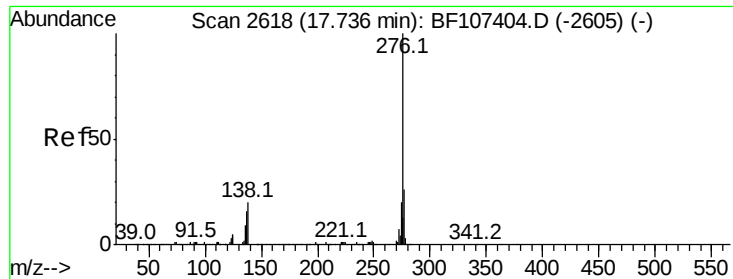
Delta R.T. -0.03 min

Lab File: BF107473.D

Acq: 18 Jul 2018 13:20

Tgt Ion:	278	Resp:	30886
Ion Ratio	Lower	Upper	
278	100		
139	15.7	15.9	23.9#
279	31.6	19.0	28.4#





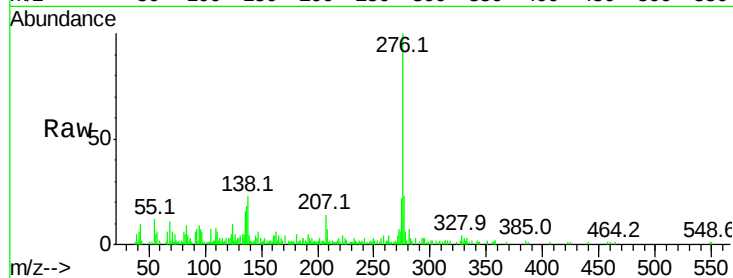
#91
 Benzo(a,h,i)perylene
 Concen: 6.973 ng
 RT: 17.76 min Scan# 2622
 Delta R.T. -0.02 min
 Lab File: BF107473.D
 Acq: 18 Jul 2018 13:20

Instrument :
 BNA_F
 ClientSampleId :
 SB4-U-23-13

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	27.4	21.8	32.8

Manual Integrations
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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

