

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
 Data File : BF107423.D
 Acq On : 17 Jul 2018 00:44
 Operator : JU/SJ
 Sample : J3831-01 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071218

Manual Integrations
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Quant Time: Jul 17 04:14:07 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 16 17:24:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	115116	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	442550	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	210194	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	402006	20.00	ng	0.00
75) Chrysene-d12	14.17	240	384034	20.00	ng	0.00
86) Perylene-d12	15.70	264	292807	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	206391	27.23	ng	0.00
7) Phenol-d6	6.60	99	256469	26.17	ng	0.00
23) Nitrobenzene-d5	7.54	82	155889	18.78	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	45691	24.74	ng	0.00
44) 2-Fluorobiphenyl	9.34	172	277889	12.84	ng	0.00
78) Terphenyl-d14	13.10	244	295277	19.10	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.28	128	86884	4.042	ng	95
37) 2-Methylnaphthalene	8.98	142	44014	3.106	ng	97
49) Dimethylphthalate	9.73	163	48083	2.879	ng	99
51) Acenaphthene	10.06	154	52684	3.967	ng	97
54) Dibenzofuran	10.23	168	61488	2.996	ng	# 90
57) Fluorene	10.57	166	98212	7.226	ng	99
70) Phenanthrene	11.54	178	552017	27.554	ng	93
71) Anthracene	11.60	178	177726	8.907	ng	97
72) Carbazole	11.75	167	46743	2.474	ng	95
74) Fluoranthene	12.74	202	757376	33.261	ng	93
77) Pyrene	12.97	202	710146	27.193	ng	97
80) Benzo(a)anthracene	14.15	228	379086	16.133	ng	96
82) Chrysene	14.19	228	334800	14.916	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	122700	7.680	ng	# 83
87) Benzo(b)fluoranthene	15.24	252	315356m	18.401	ng	
88) Benzo(k)fluoranthene	15.27	252	119329m	7.135	ng	
89) Benzo(a)pyrene	15.63	252	232582	14.786	ng	96
90) Dibenzo(a,h)anthracene	17.27	278	32633	2.749	ng	# 63
91) Benzo(a,h,i)perylene	17.75	276	107030	8.872	ng	# 85

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

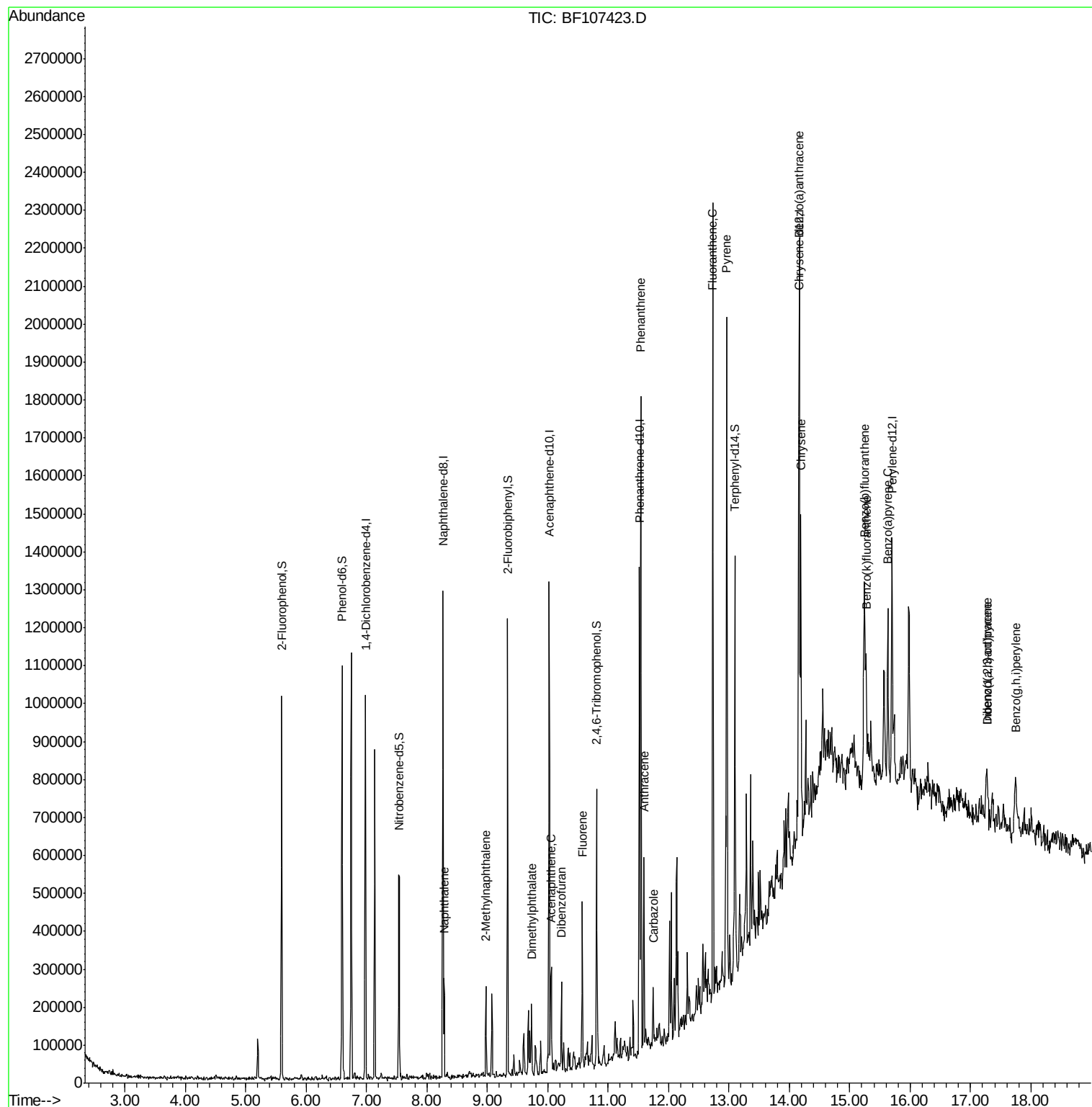
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071618\
Data File : BF107423.D
Acq On : 17 Jul 2018 00:44
Operator : JU/SJ
Sample : J3831-01 5X
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ALS Vial : 15 Sample Multiplier: 1

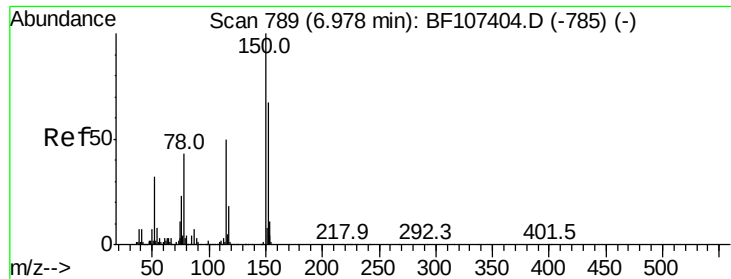
Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Quant Time: Jul 17 04:14:07 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jul 16 17:24:26 2018
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#1

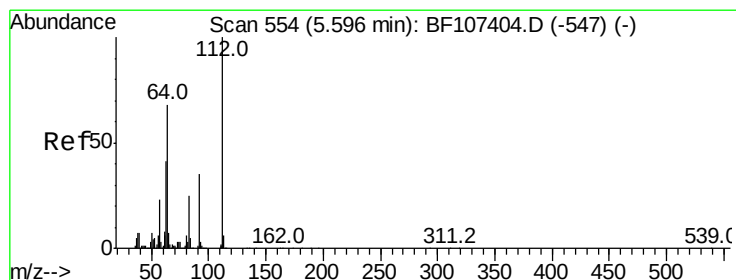
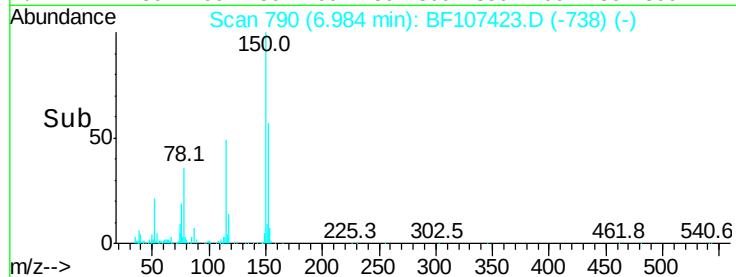
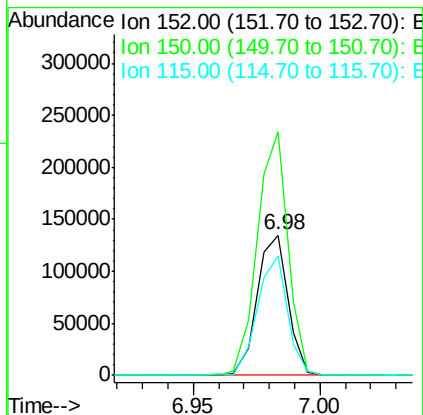
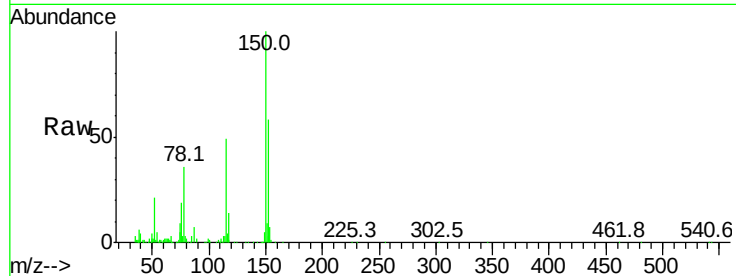
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.98 min Scan# 790
Delta R.T. 0.01 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Tot Ion	Ratio	Lower	Upper
152	100		
150	173.5	124.6	186.8
115	84.8	50.1	75.1

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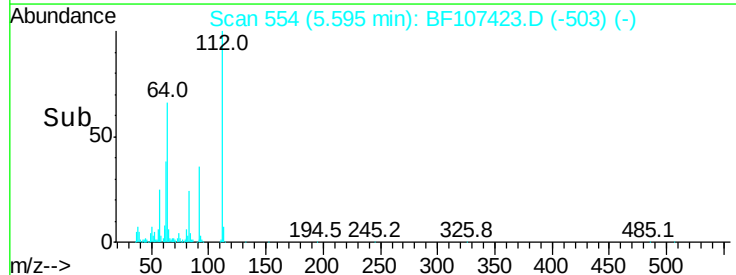
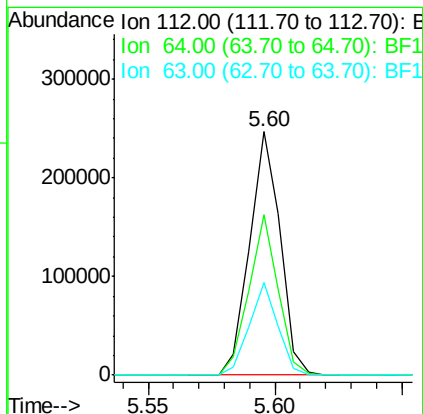
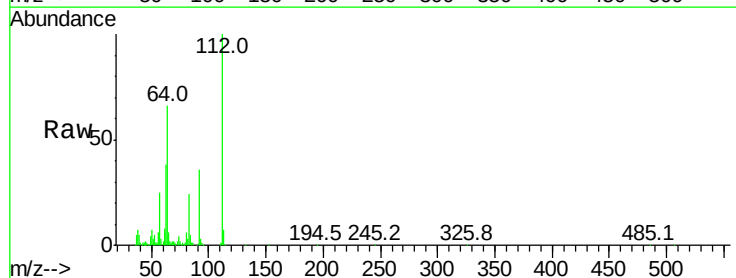
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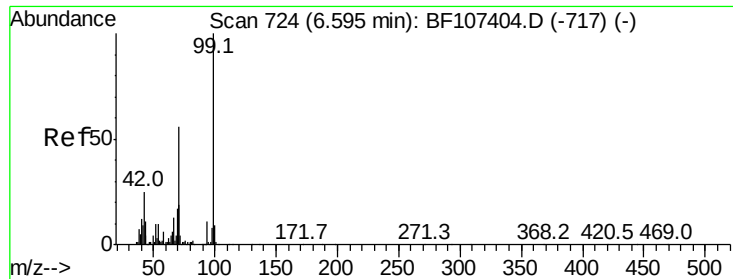


#5

2-Fluorophenol
Concen: 27.229 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	47.9	71.9
63	38.2	23.7	35.5





#7

Phenol-d6

Concen: 26.171 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.00 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Instrument :

BNA_F

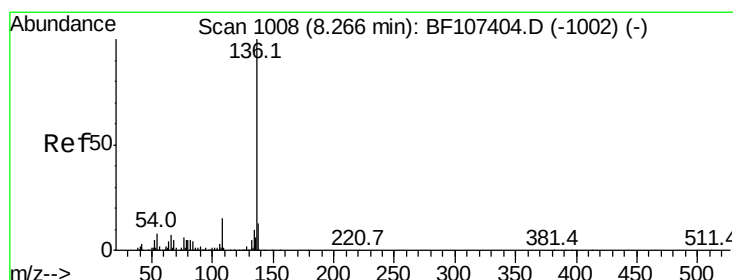
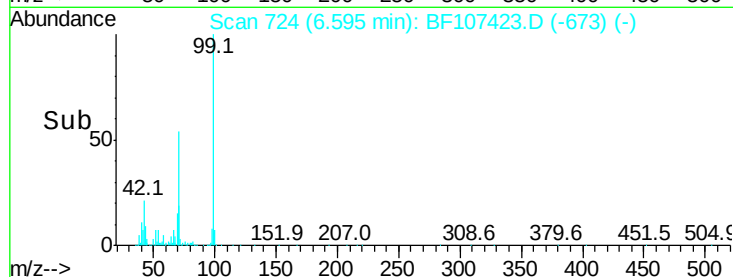
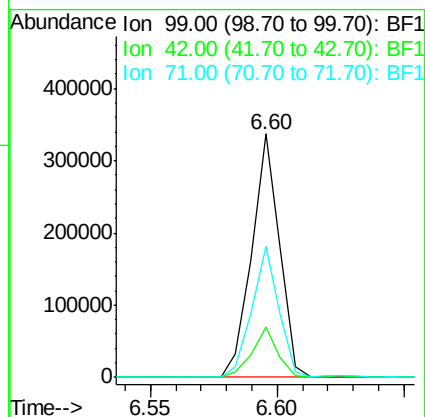
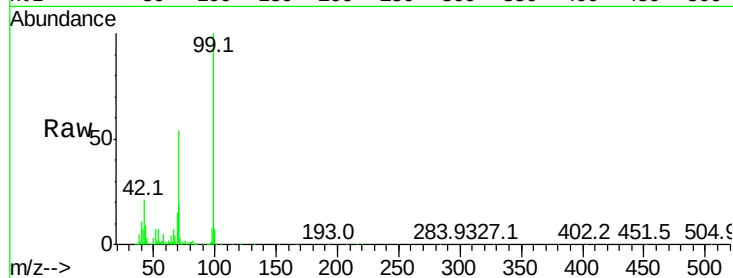
ClientSampleId :

SU-04-071218

Tot Ion:	99	Resp:	256469
Ion Ratio	Lower	Upper	
99	100		
42	20.7	14.5	21.7
71	53.7	25.4	38.0#

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#21

Naphthalene-d8

Concen: 20.000 ng

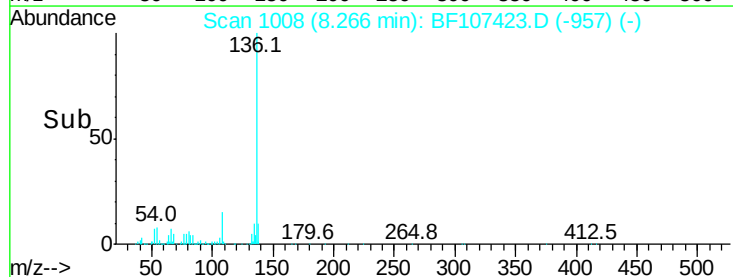
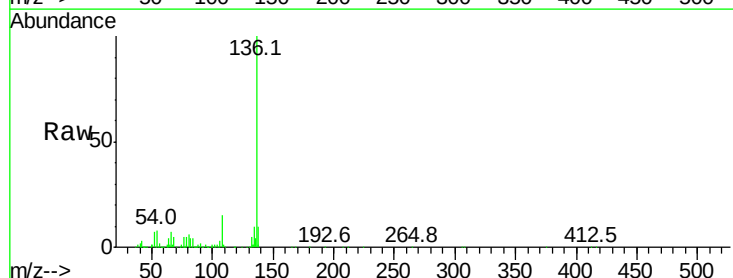
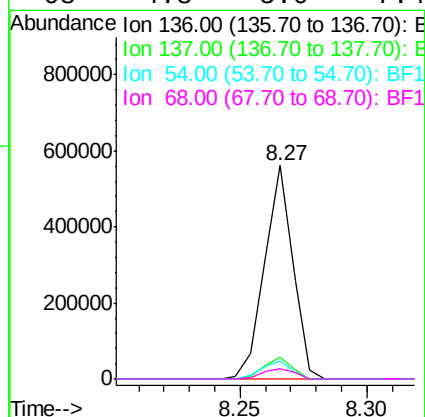
RT: 8.27 min Scan# 1008

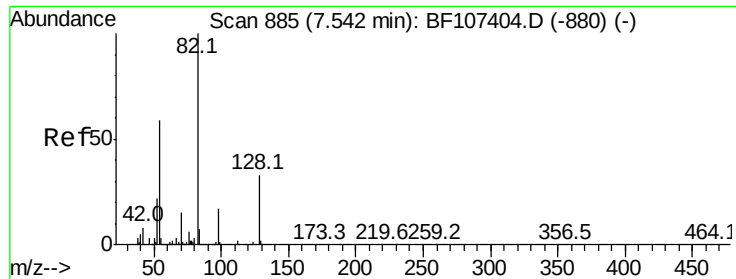
Delta R.T. -0.00 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Tgt Ion:	136	Resp:	442550
Ion Ratio	Lower	Upper	
136	100		
137	10.0	8.9	13.3
54	8.5	6.6	9.8
68	4.8	5.0	7.4#





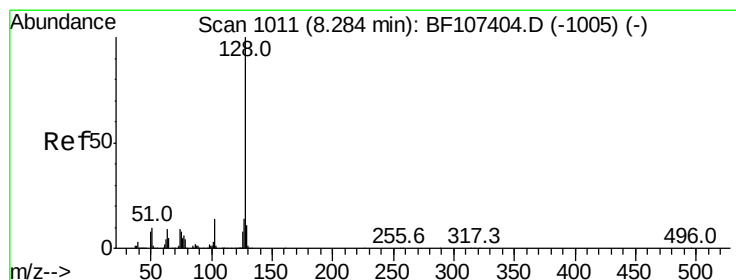
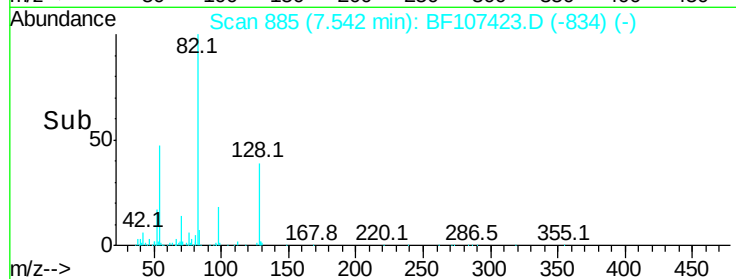
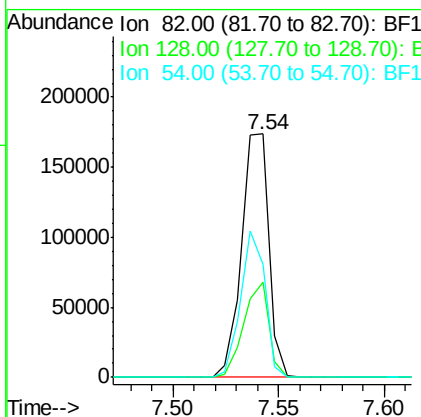
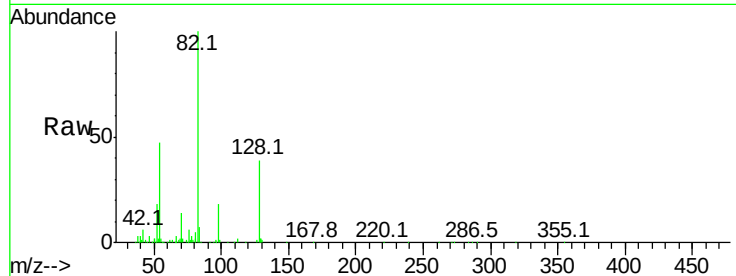
#23
Nitrobenzene-d5
Concen: 18.784 ng
RT: 7.54 min Scan# 885
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Tot Ion	Ratio	Lower	Upper
82	100		
128	39.0	36.1	54.1
54	46.7	41.4	62.2

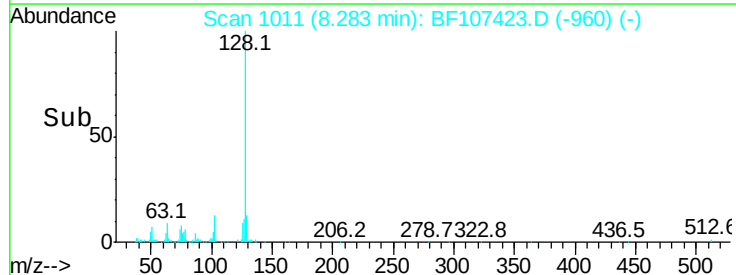
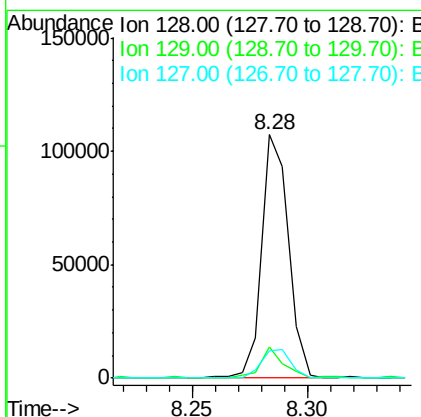
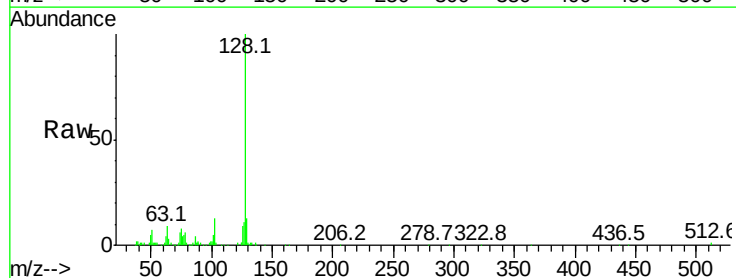
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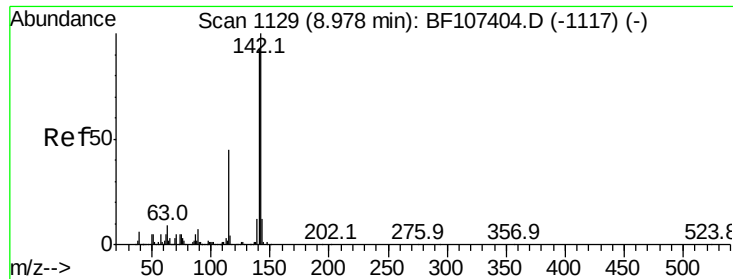
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#31
Naphthalene
Concen: 4.042 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.7	8.8	13.2
127	11.4	10.9	16.3





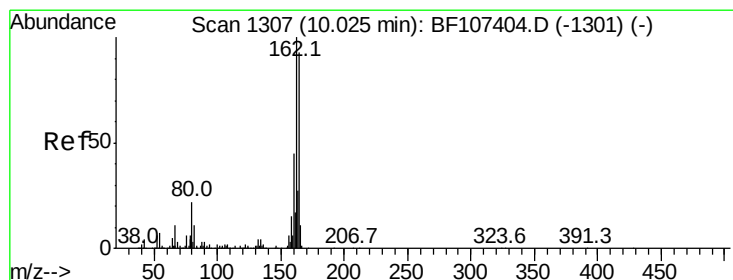
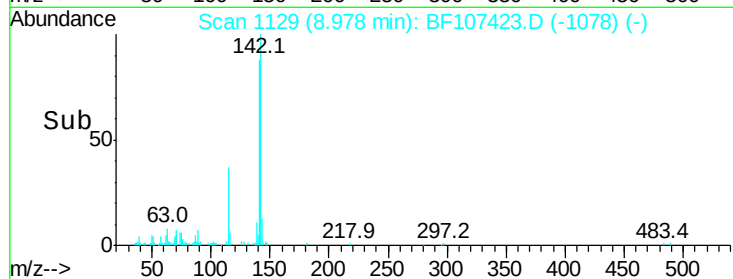
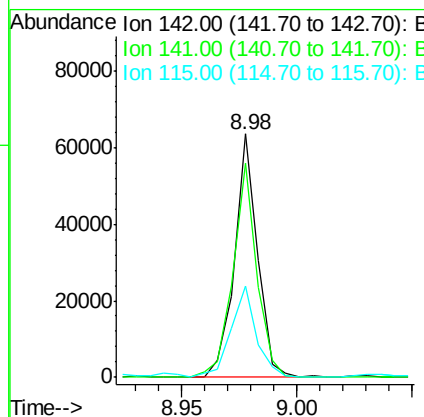
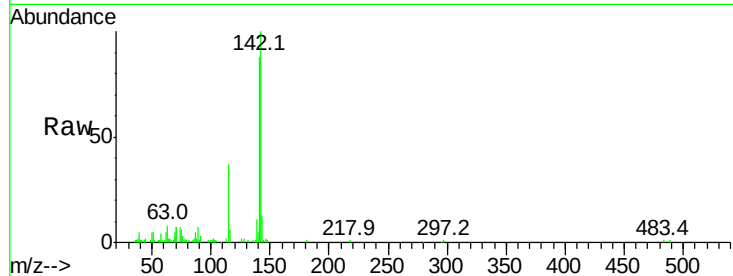
#37
2-Methylnaphthalene
Concen: 3.106 ng
RT: 8.98 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.8	106.2
115	37.3	26.1	39.1

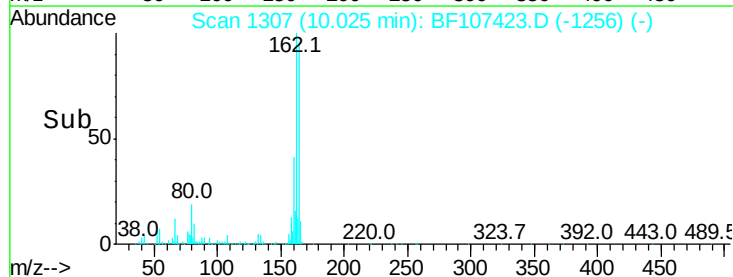
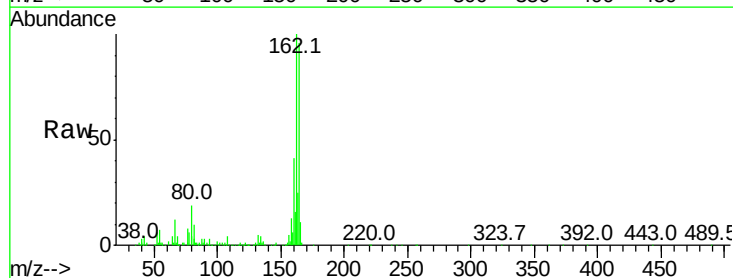
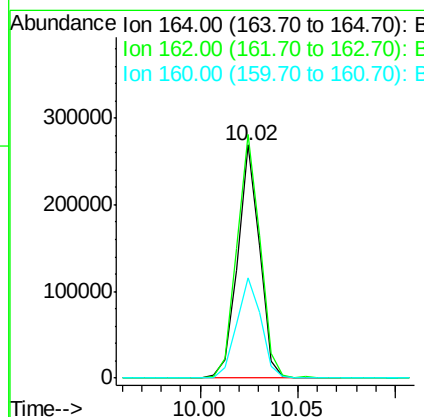
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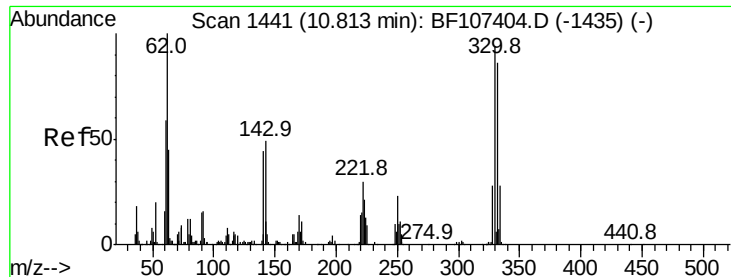
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	42.8	38.3	57.5





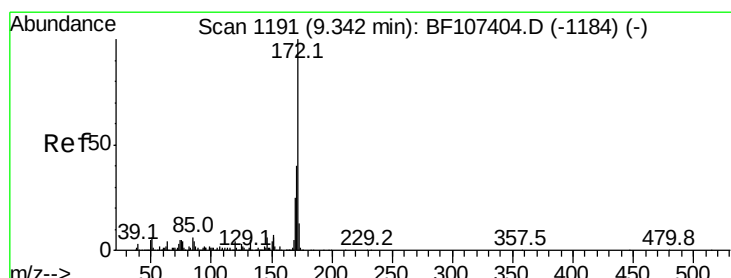
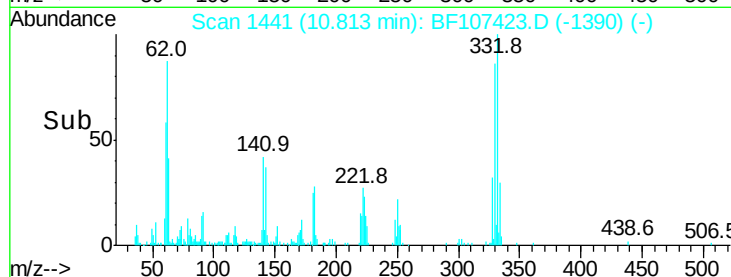
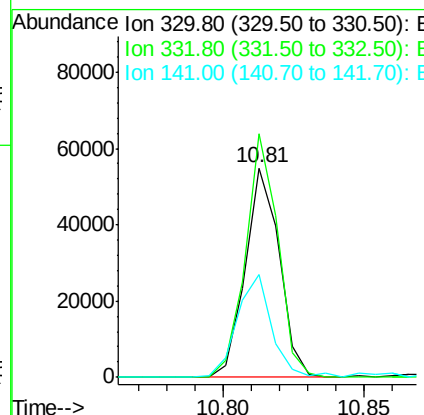
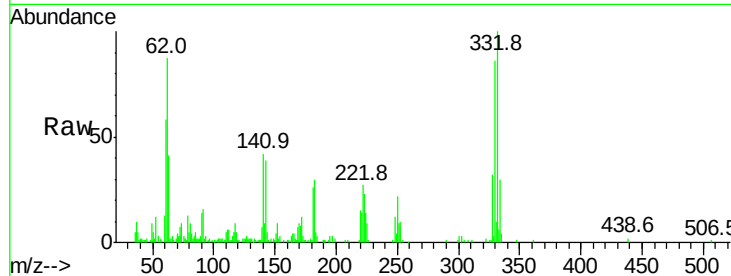
#41
 2,4,6-Tribromophenol
 Concen: 24.741 ng
 RT: 10.81 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: BF107423.D
 Acq: 17 Jul 2018 00:44

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071218

Tot Ion	Ratio	Lower	Upper
330	100		
332	110.7	77.0	115.6
141	50.4	29.9	44.9

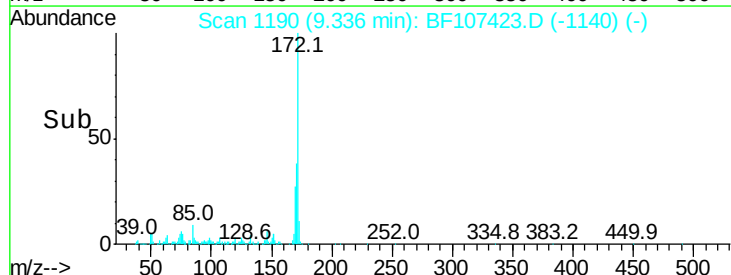
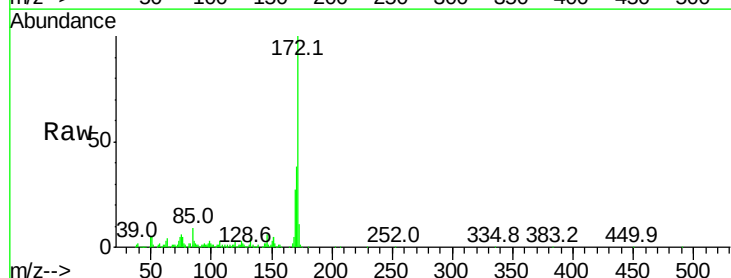
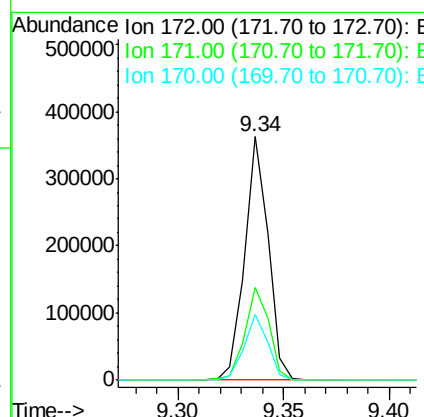
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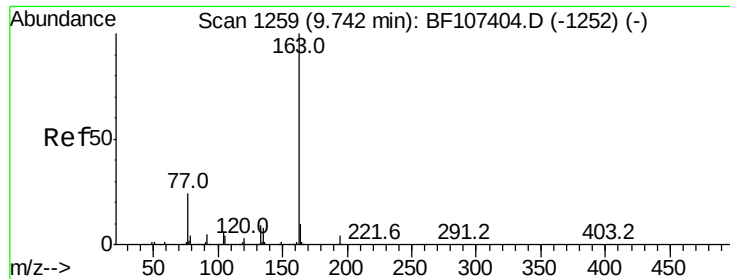
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#44
 2-Fluorobiphenyl
 Concen: 12.841 ng
 RT: 9.34 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF107423.D
 Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.9	29.7	44.5
170	26.8	19.6	29.4





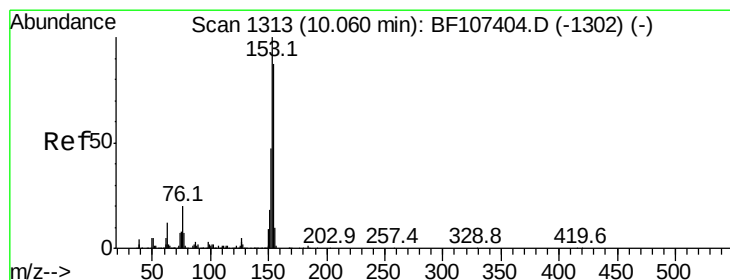
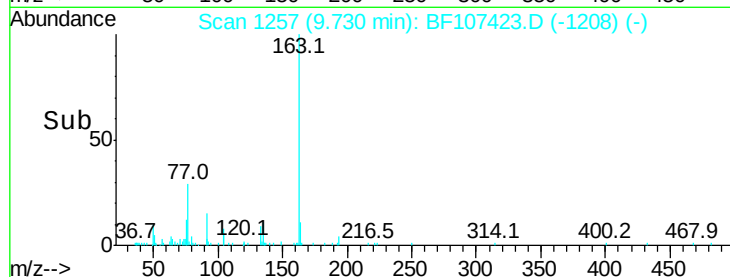
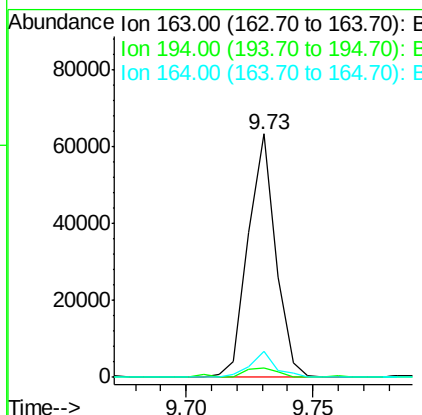
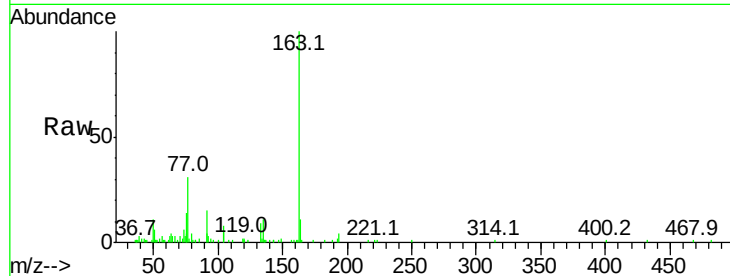
#49
Dimethylphthalate
Concen: 2.879 ng
RT: 9.73 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.7	8.2	12.2

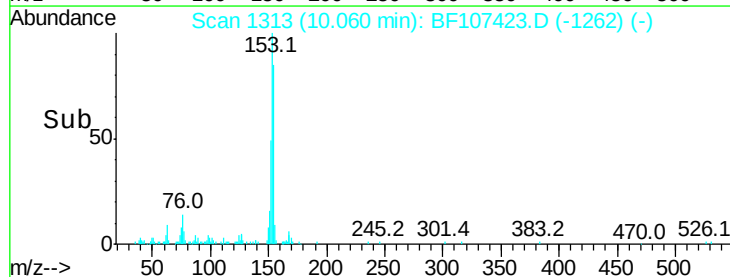
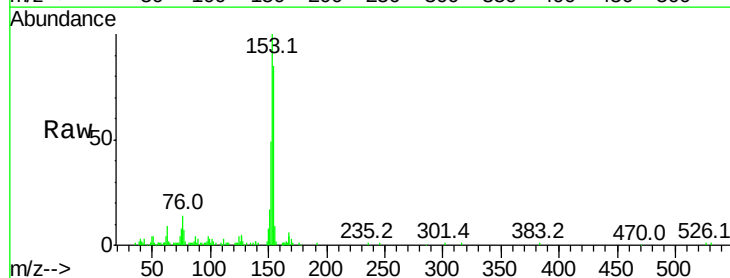
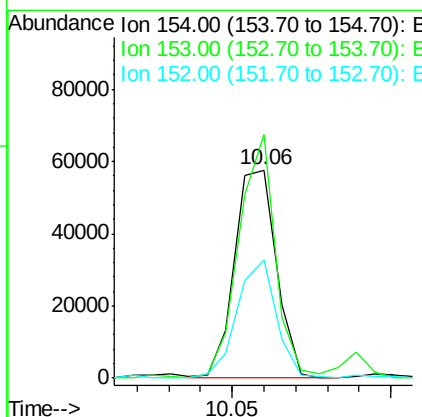
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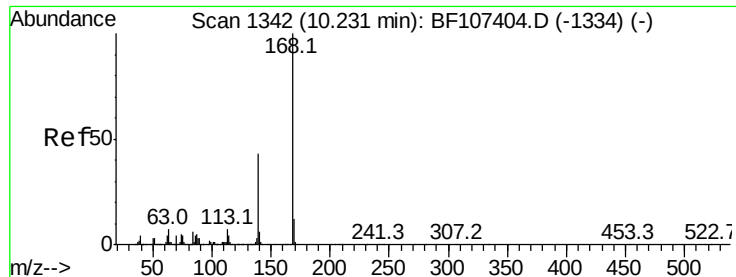
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#51
Acenaphthene
Concen: 3.967 ng
RT: 10.06 min Scan# 1313
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	117.1	91.2	136.8
152	56.9	43.8	65.8





#54

Dibenzenofuran

Concen: 2.996 ng

RT: 10.23 min Scan# 1342

Delta R.T. -0.00 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Instrument :

BNA_F

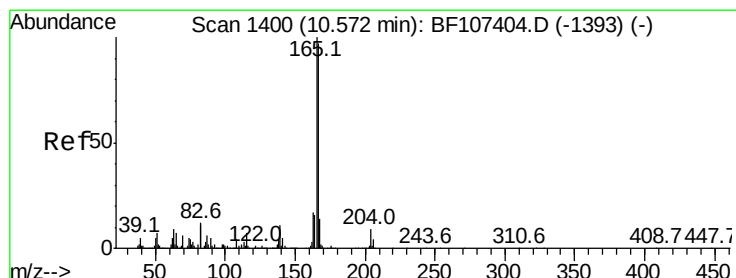
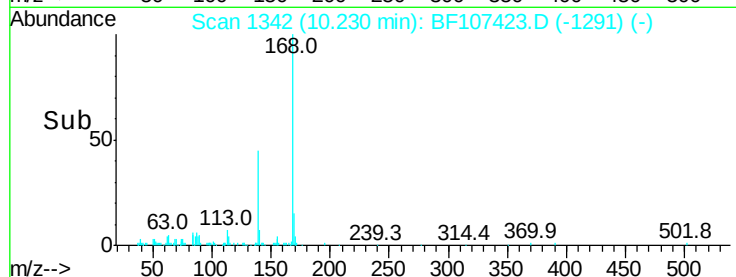
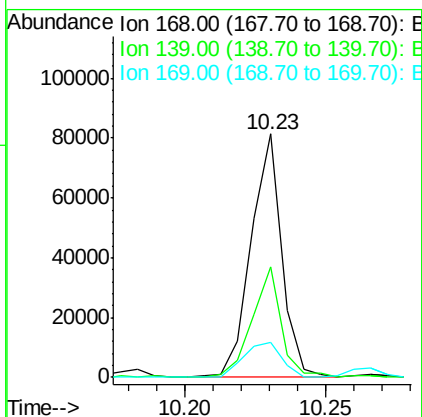
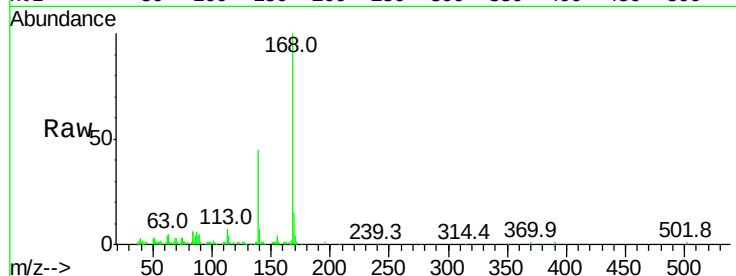
ClientSampled :

SU-04-071218

Tot Ion	Ratio	Lower	Upper
168	100		
139	45.3	30.1	45.1#
169	14.6	10.9	16.3

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#57

Fluorene

Concen: 7.226 ng

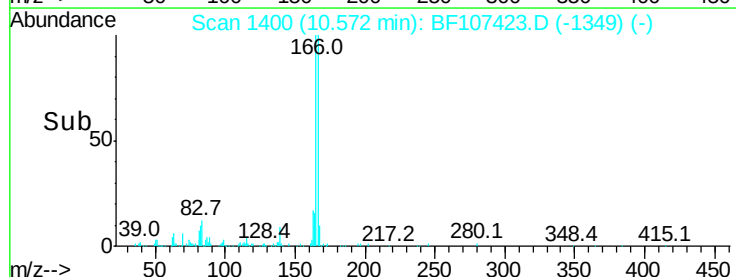
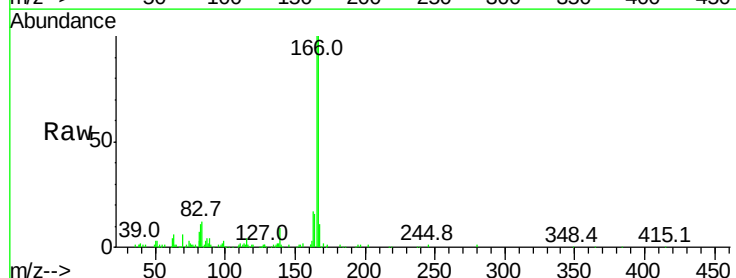
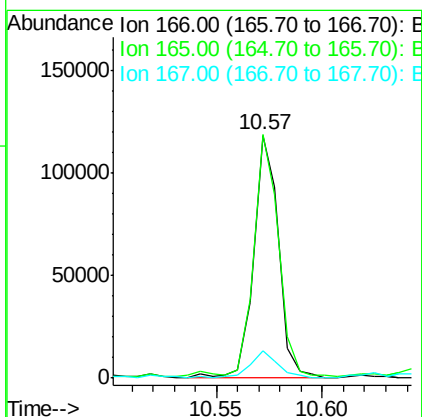
RT: 10.57 min Scan# 1400

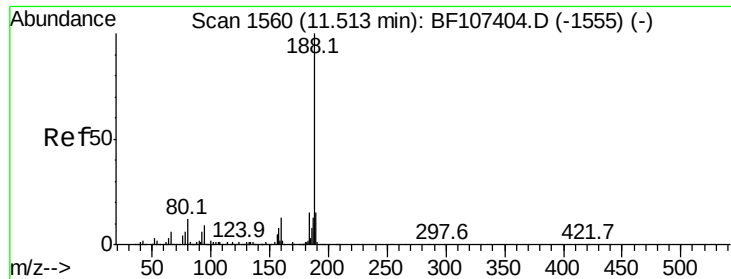
Delta R.T. -0.00 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.8
167	11.2	10.6	16.0





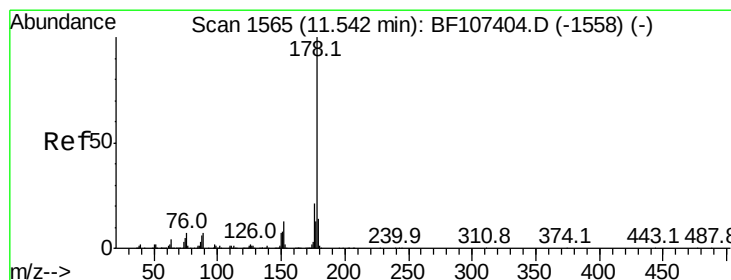
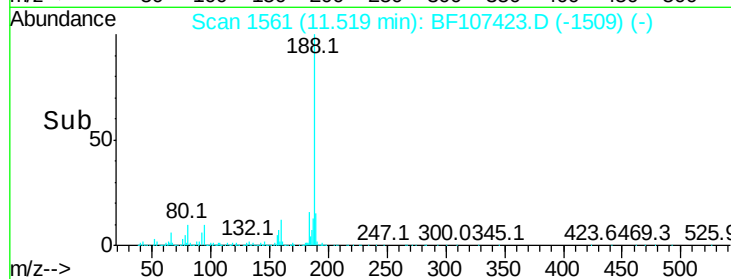
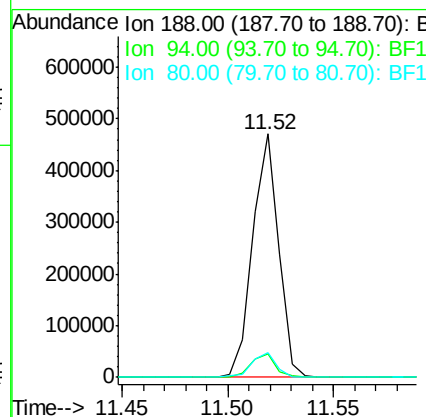
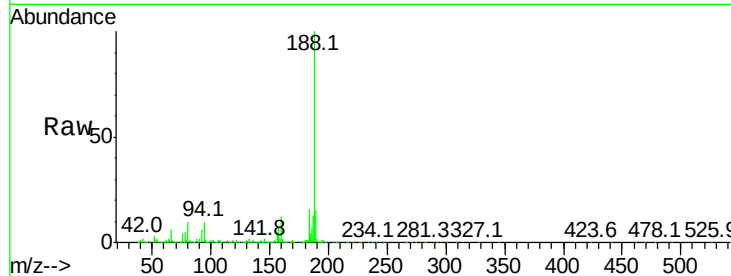
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.52 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.8	8.5	12.7
80	10.2	9.2	13.8

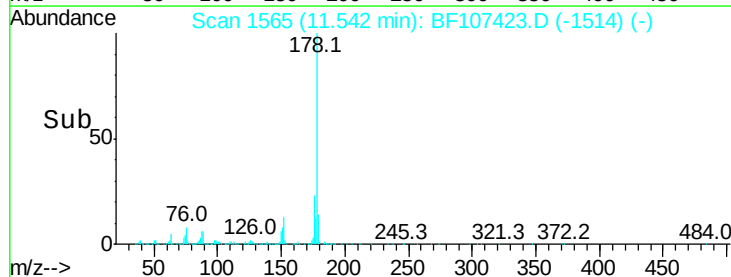
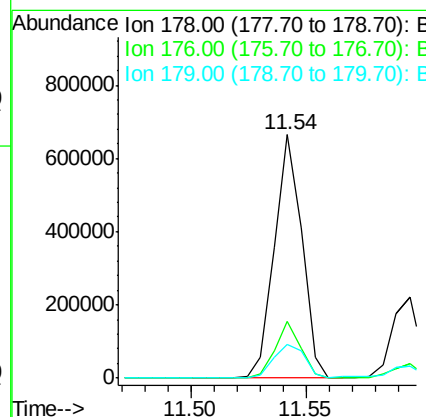
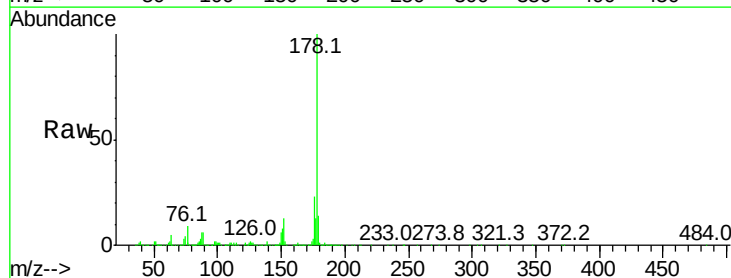
Manual Integrations
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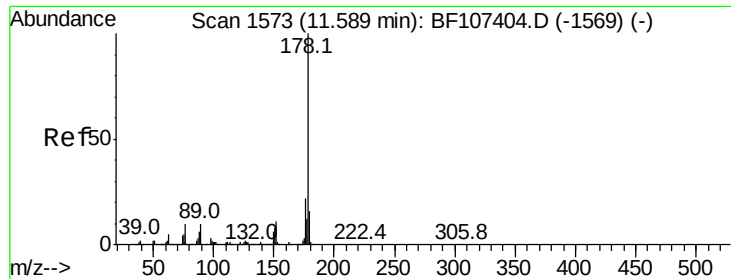
Sohil
7/17/2018 4:53:22 PM



#70
Phenanthrene
Concen: 27.554 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	23.4	15.8	23.8
179	14.1	13.0	19.6





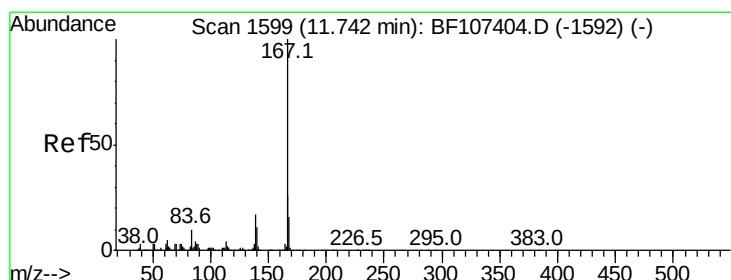
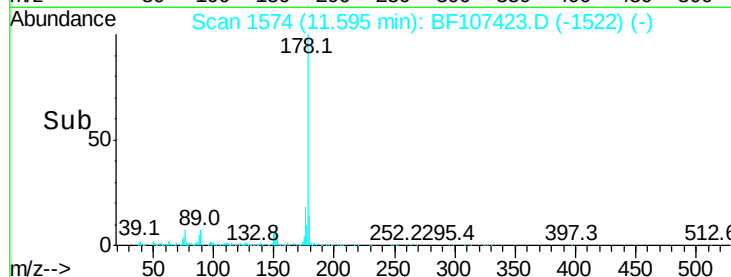
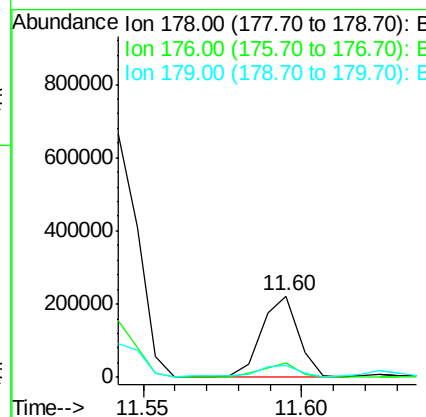
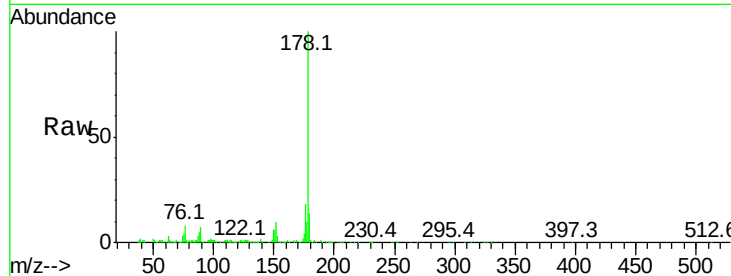
#71
 Anthracene
 Concen: 8.907 ng
 RT: 11.60 min Scan# 1574
 Delta R.T. 0.01 min
 Lab File: BF107423.D
 Acq: 17 Jul 2018 00:44

Instrument :
 BNA_F
 ClientSampleId :
 SU-04-071218

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	14.4	12.6	19.0

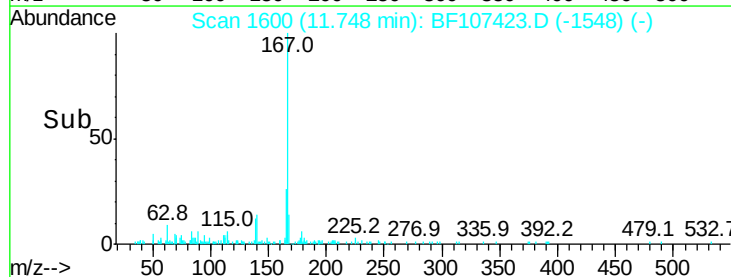
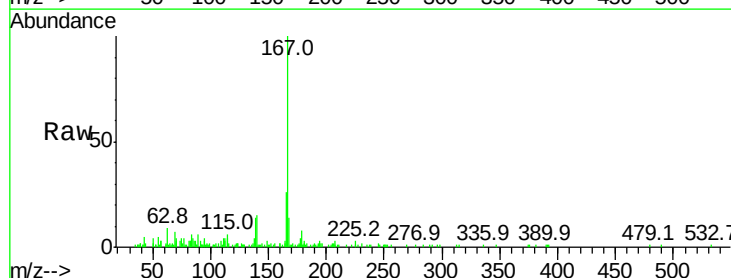
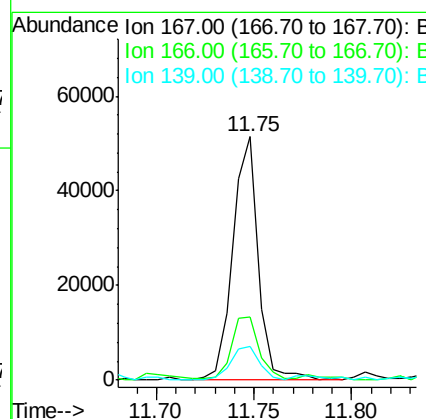
Manual Integrations
 APPROVED

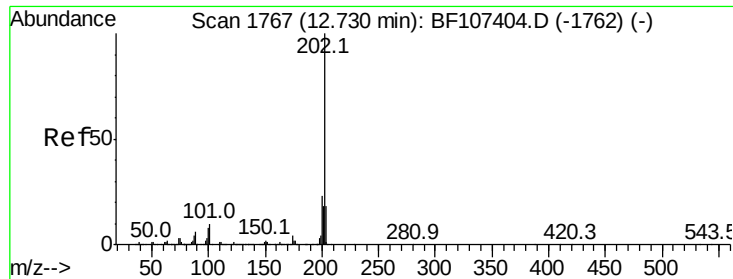
Sohil
 7/17/2018 4:53:22 PM



#72
 Carbazole
 Concen: 2.474 ng
 RT: 11.75 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BF107423.D
 Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
167	100		
166	26.2	17.6	26.4
139	13.6	10.9	16.3





#74

Fluoranthene

Concen: 33.261 ng

RT: 12.74 min Scan# 1768

Delta R.T. 0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Instrument :

BNA_F

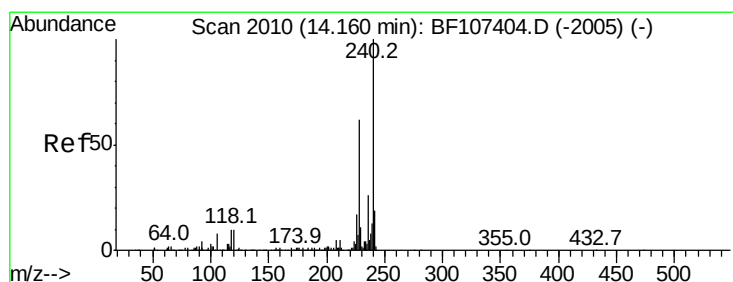
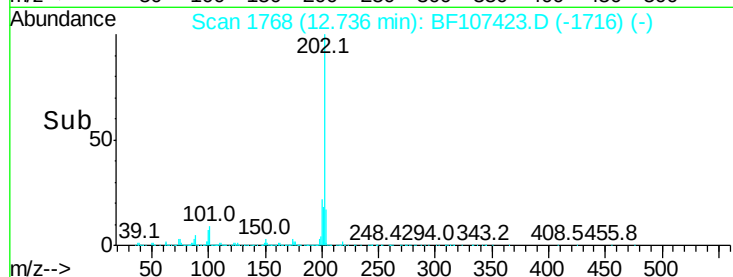
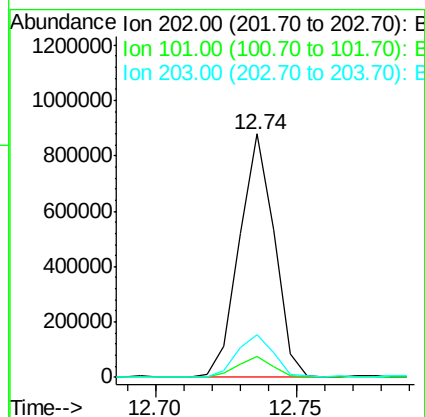
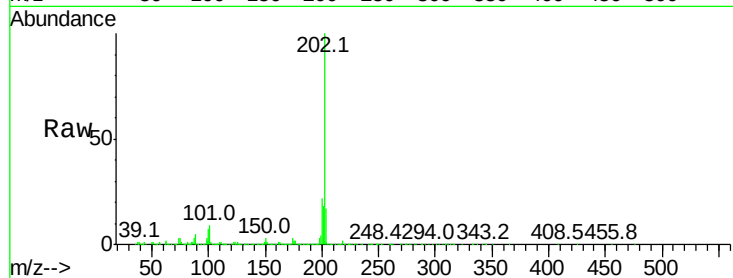
ClientSampleId :

SU-04-071218

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	8.8	0.0	34.1
203	17.3	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

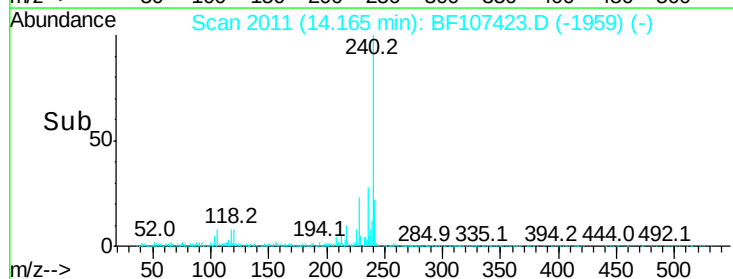
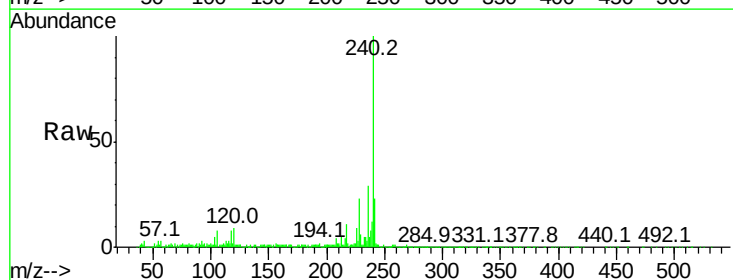
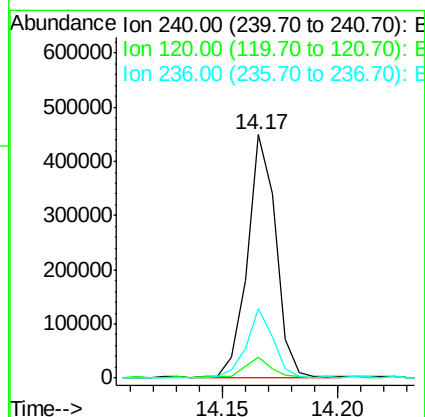
RT: 14.17 min Scan# 2011

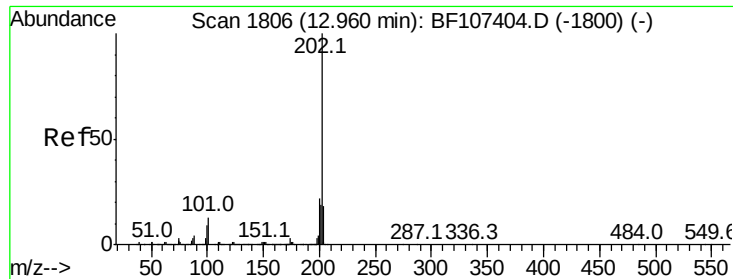
Delta R.T. 0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.8	9.5	14.3#
236	28.8	20.7	31.1





#77

Pvrene

Concen: 27.193 ng

RT: 12.97 min Scan# 1807

Delta R.T. 0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Instrument :

BNA_F

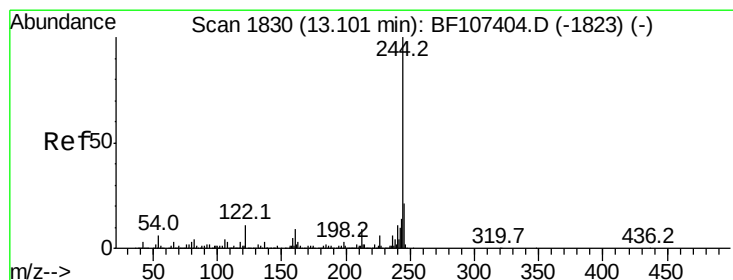
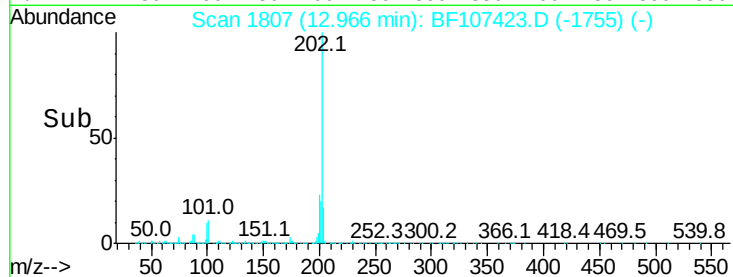
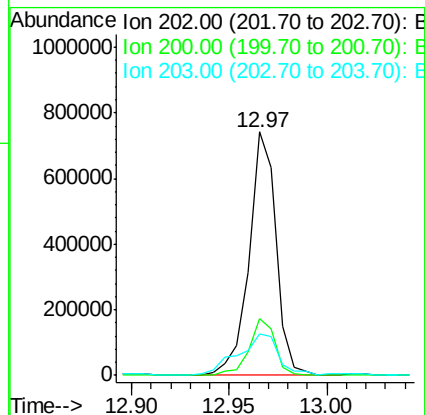
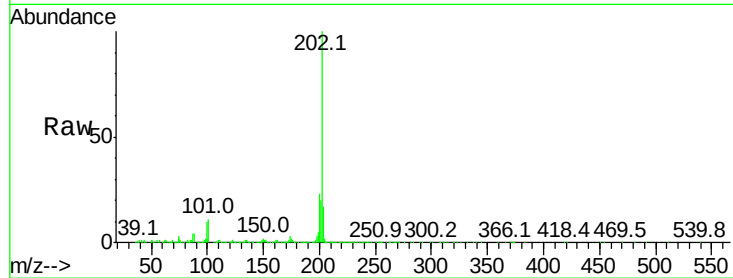
ClientSampleId :

SU-04-071218

Tot Ion:	202	Resp:	710146
Ion Ratio	Lower	Upper	
202	100		
200	23.3	17.4	26.2
203	17.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 19.103 ng

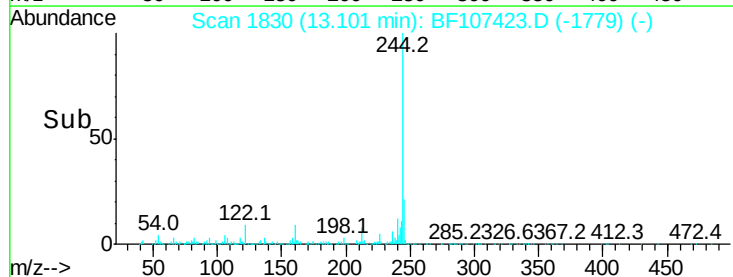
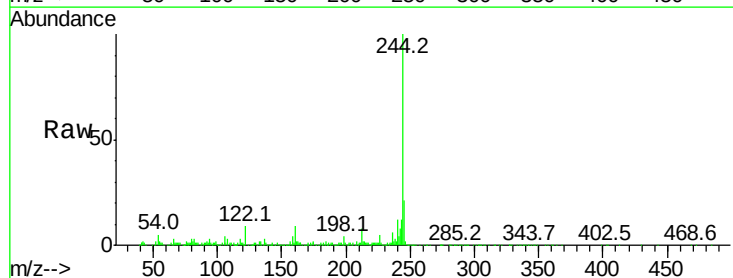
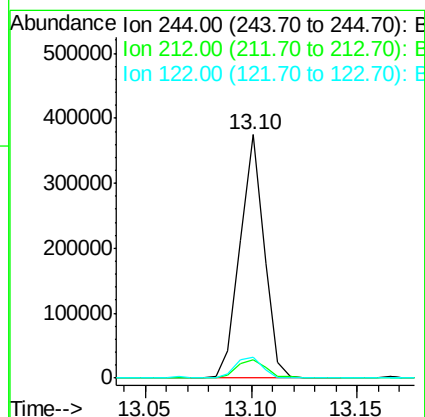
RT: 13.10 min Scan# 1830

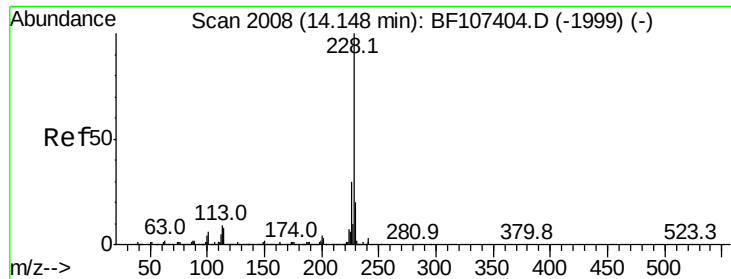
Delta R.T. -0.00 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Tgt Ion:	244	Resp:	295277
Ion Ratio	Lower	Upper	
244	100		
212	7.6	5.4	8.0
122	8.8	11.0	16.4#





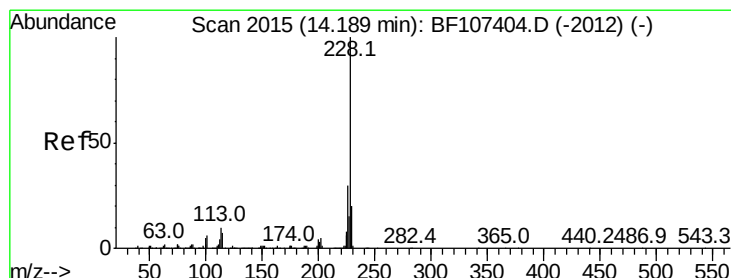
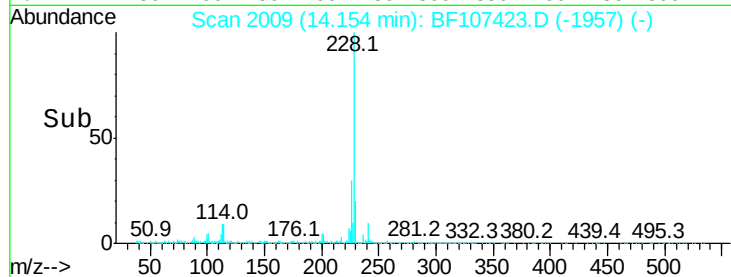
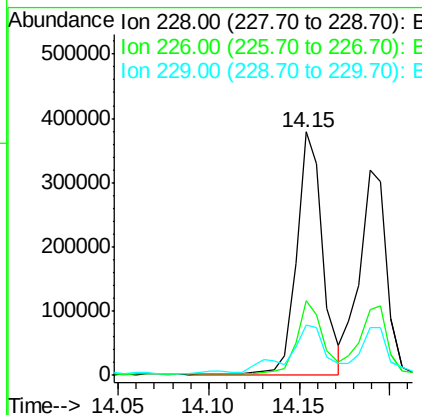
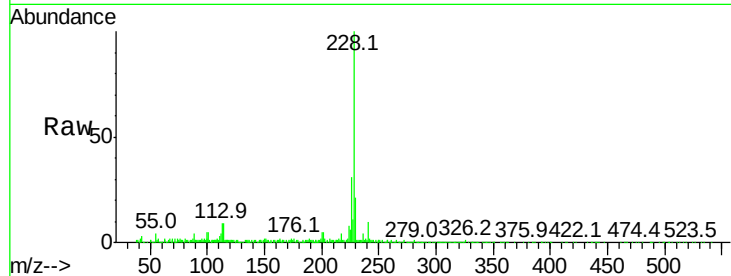
#80
Benzo(a)anthracene
Concen: 16.133 ng
RT: 14.15 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.6	33.8
229	20.7	15.8	23.6

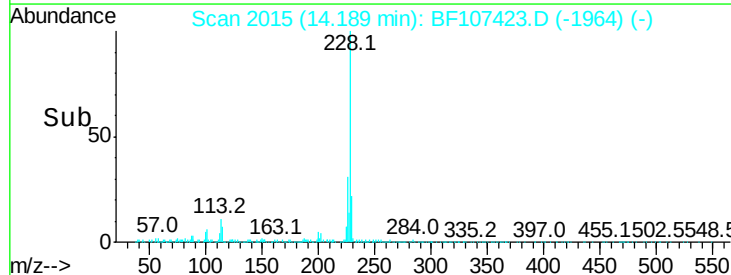
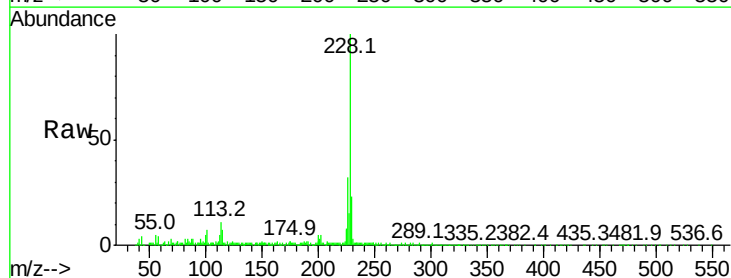
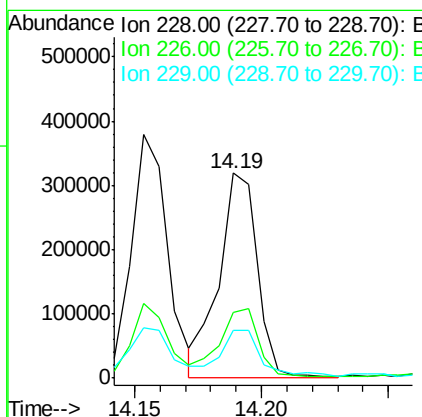
Manual Integrations
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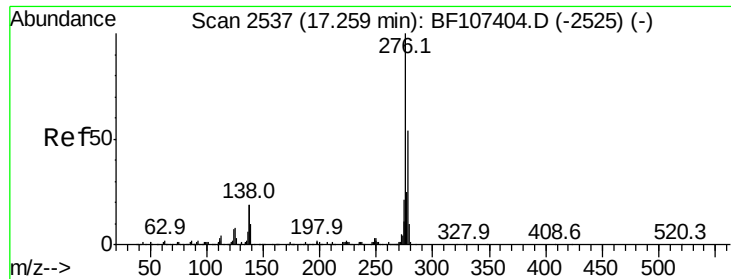
Sohil
7/17/2018 4:53:22 PM



#82
Chrysene
Concen: 14.916 ng
RT: 14.19 min Scan# 2015
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.9	25.0	37.6
229	23.3	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 7.680 ng

RT: 17.27 min Scan# 2539

Delta R.T. 0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Instrument :

BNA_F

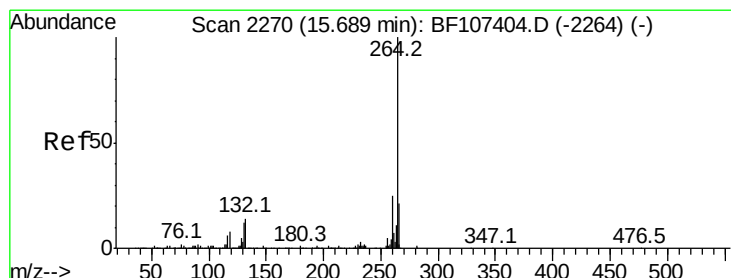
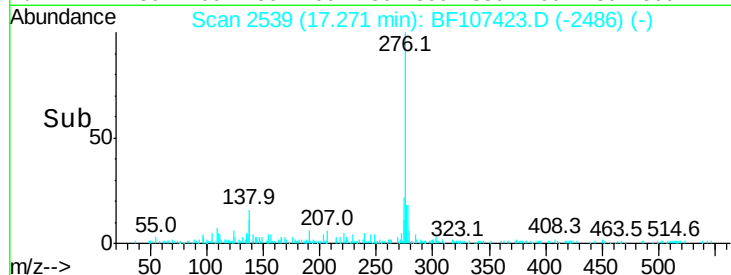
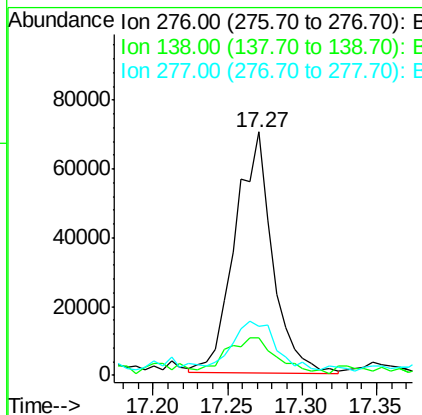
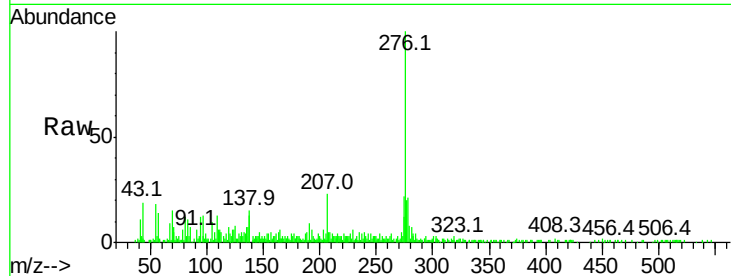
ClientSampleId :

SU-04-071218

Tot Ion:	276	Resp:	122700
Ion Ratio	Lower	Upper	
276	100		
138	17.0	25.0	37.6#
277	22.6	20.1	30.1

Manual Integrations
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7/17/2018 4:53:22 PM



#86

Perylene-d12

Concen: 20.000 ng

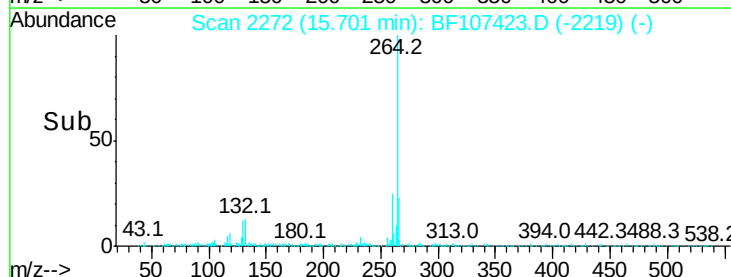
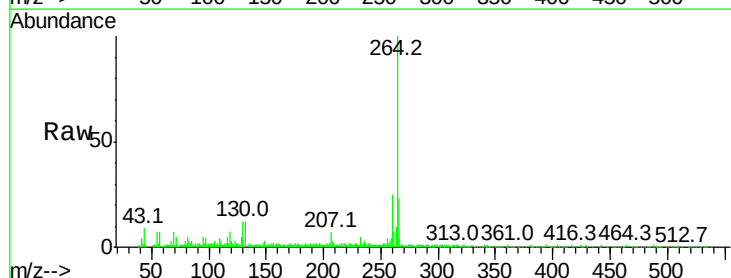
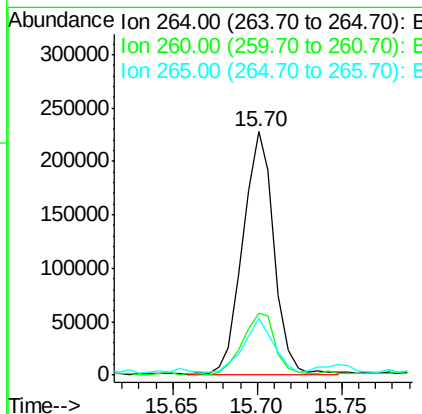
RT: 15.70 min Scan# 2272

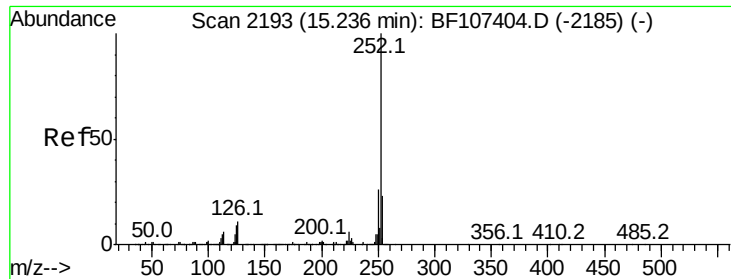
Delta R.T. 0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Tgt Ion:	264	Resp:	292807
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.2	28.8
265	23.2	17.5	26.3





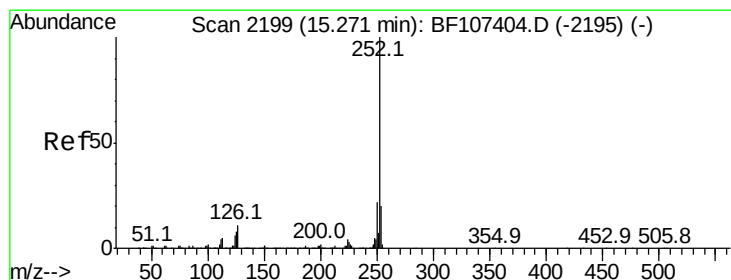
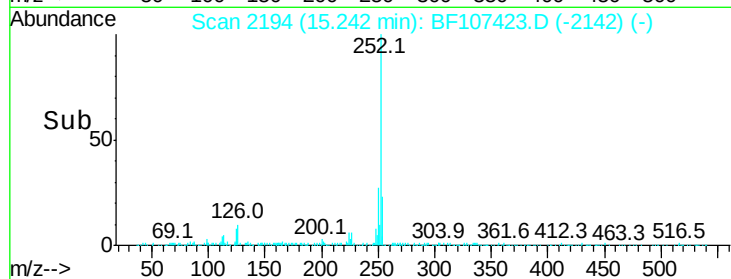
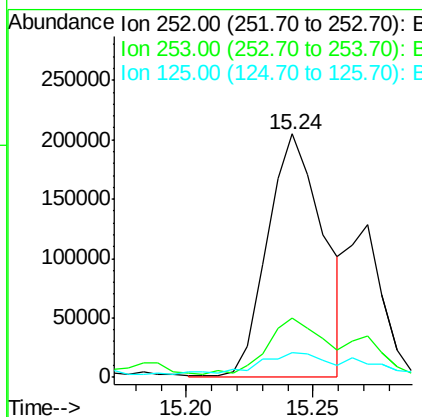
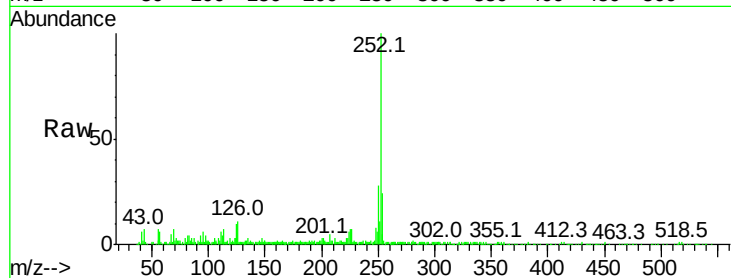
#87
Benzo(b)fluoranthene
Concen: 18.401 ng m
RT: 15.24 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Instrument :
BNA_F
ClientSampleId :
SU-04-071218

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.6
125	10.3	9.0	13.6

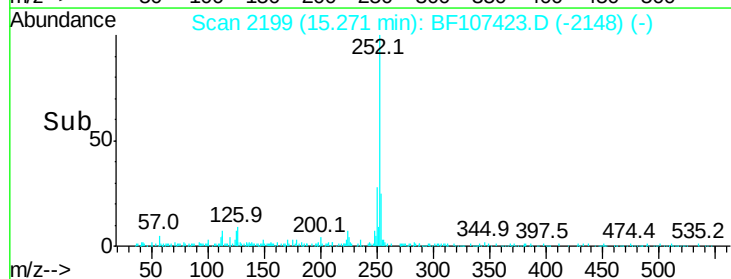
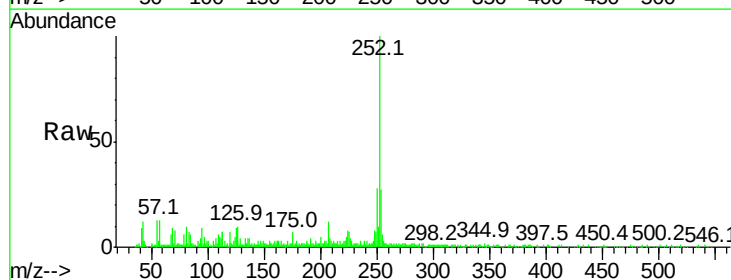
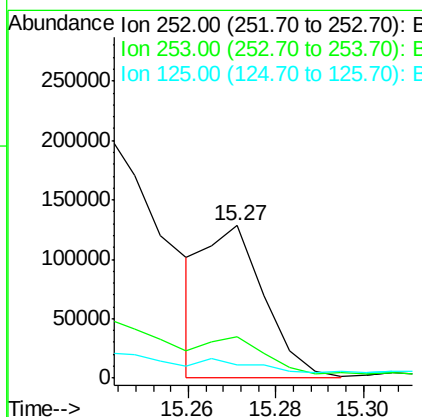
Manual Integrations
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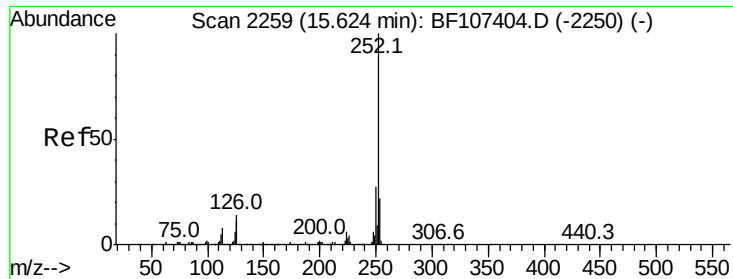
Sohil
7/17/2018 4:53:22 PM



#88
Benzo(k)fluoranthene
Concen: 7.135 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.00 min
Lab File: BF107423.D
Acq: 17 Jul 2018 00:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	27.4	17.9	26.9#
125	8.9	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 14.786 ng

RT: 15.63 min Scan# 2260

Delta R.T. 0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Instrument :

BNA_F

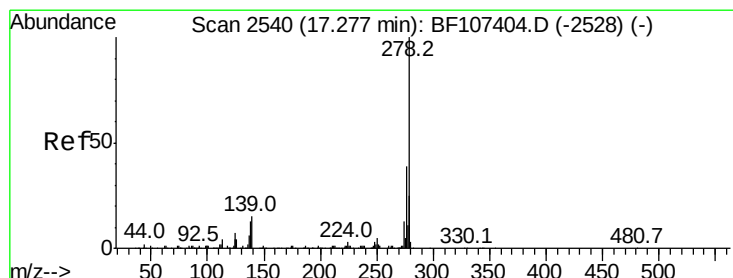
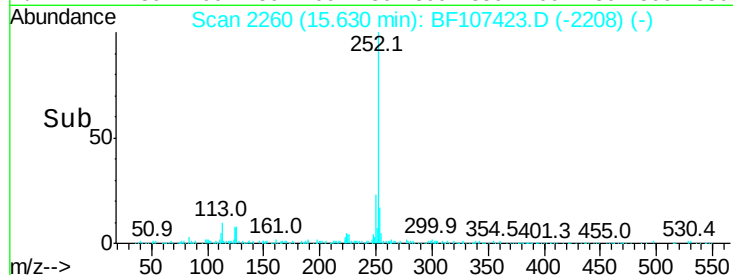
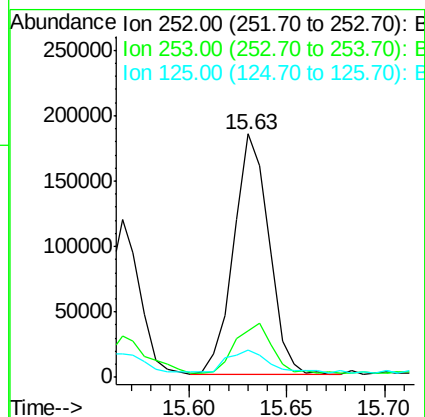
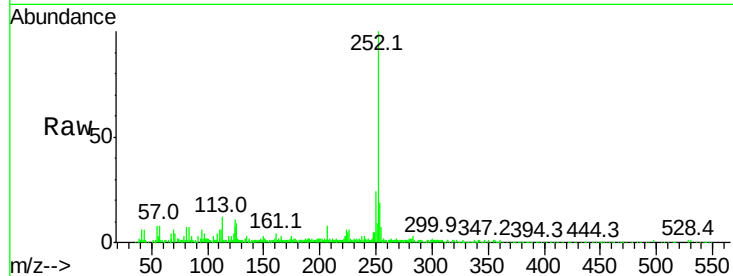
ClientSampleId :

SU-04-071218

Tot Ion:	252	Resp:	232582
Ion Ratio	Lower	Upper	
252	100		
253	18.9	17.1	25.7
125	11.0	9.8	14.6

Manual Integrations
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Sohil
7/17/2018 4:53:22 PM



#90

Dibenzo(a,h)anthracene

Concen: 2.749 ng

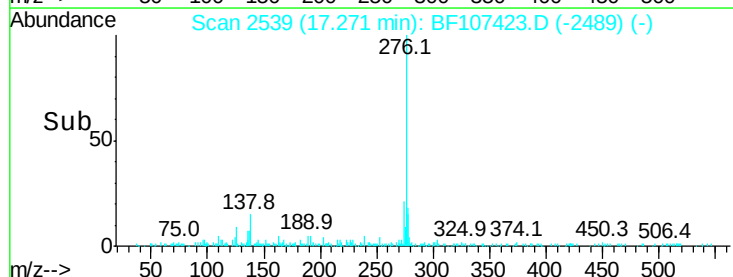
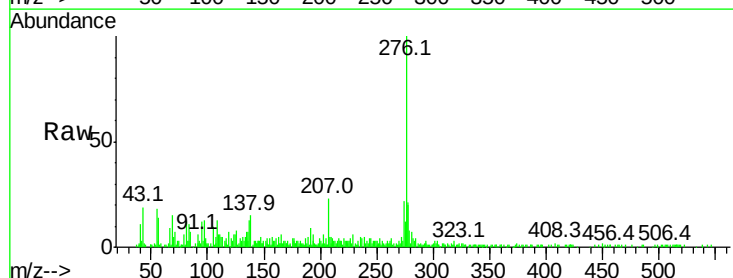
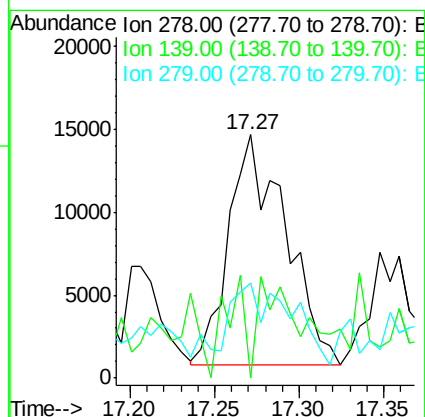
RT: 17.27 min Scan# 2539

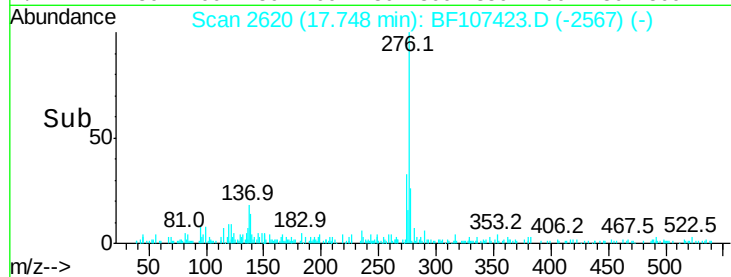
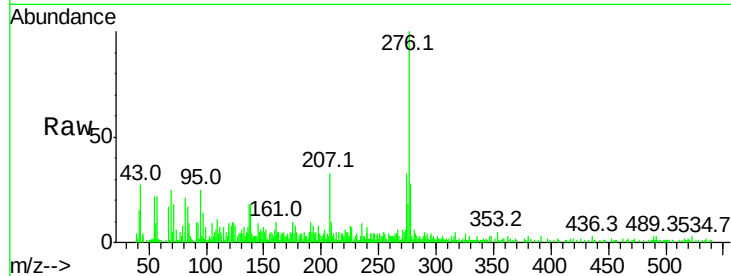
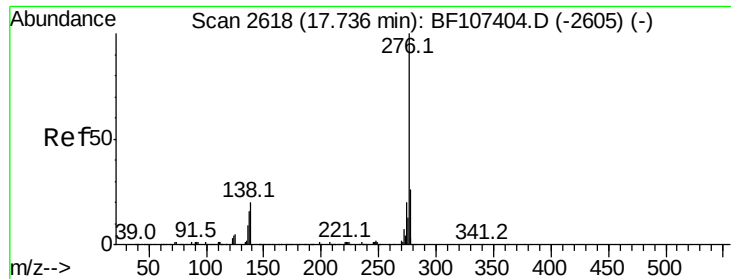
Delta R.T. -0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Tgt Ion:	278	Resp:	32633
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	38.8	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 8.872 ng

RT: 17.75 min Scan# 2620

Delta R.T. 0.01 min

Lab File: BF107423.D

Acq: 17 Jul 2018 00:44

Instrument :

BNA_F

ClientSampleId :

SU-04-071218

Tot Ion:276 Resp: 107030

Ion Ratio Lower Upper

276 100

277 27.7 17.9 26.9#

138 17.8 21.8 32.8#

Manual Integrations
APPROVED

Sohil
7/17/2018 4:53:22 PM

