

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
 Data File : BF107165.D
 Acq On : 6 Jul 2018 10:59
 Operator : JU/SJ
 Sample : J3853-08DL 2X
 Misc :
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B-7DL

Manual Integrations
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Sohil
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Quant Time: Jul 06 15:35:41 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 29 14:38:29 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	54386	20.00	ng	-0.01
21) Naphthalene-d8	8.23	136	191533	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	91799	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	153188	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	170814	20.00	ng	-0.03
86) Perylene-d12	15.67	264	122896	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	172431	53.69	ng	-0.02
7) Phenol-d6	6.59	99	211100	52.63	ng	-0.02
23) Nitrobenzene-d5	7.51	82	118862	34.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	43757	41.13	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	186236	23.70	ng	-0.02
78) Terphenyl-d14	13.06	244	207823	29.47	ng	-0.02
Target Compounds						
31) Naphthalene	8.25	128	23572	2.632	ng	Qvalue # 60
37) 2-Methylnaphthalene	8.95	142	271889	45.808	ng	97
51) Acenaphthene	10.02	154	31629	5.525	ng	# 88
54) Dibenzofuran	10.20	168	32903	4.197	ng	# 88
57) Fluorene	10.54	166	44735	7.191	ng	# 92
70) Phenanthrene	11.51	178	190877	25.834	ng	99
71) Anthracene	11.56	178	38287m	5.077	ng	
74) Fluoranthene	12.70	202	166293	20.420	ng	96
77) Pyrene	12.94	202	158993	14.115	ng	98
80) Benzo(a)anthracene	14.12	228	76258	7.325	ng	98
82) Chrysene	14.16	228	72217m	7.540	ng	
87) Benzo(b)fluoranthene	15.21	252	59609m	7.808	ng	
88) Benzo(k)fluoranthene	15.24	252	21273m	2.926	ng	
89) Benzo(a)pyrene	15.60	252	38005	5.600	ng	98
91) Benzo(a,h,i)perylene	17.73	276	13905	2.473	ng	# 90

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

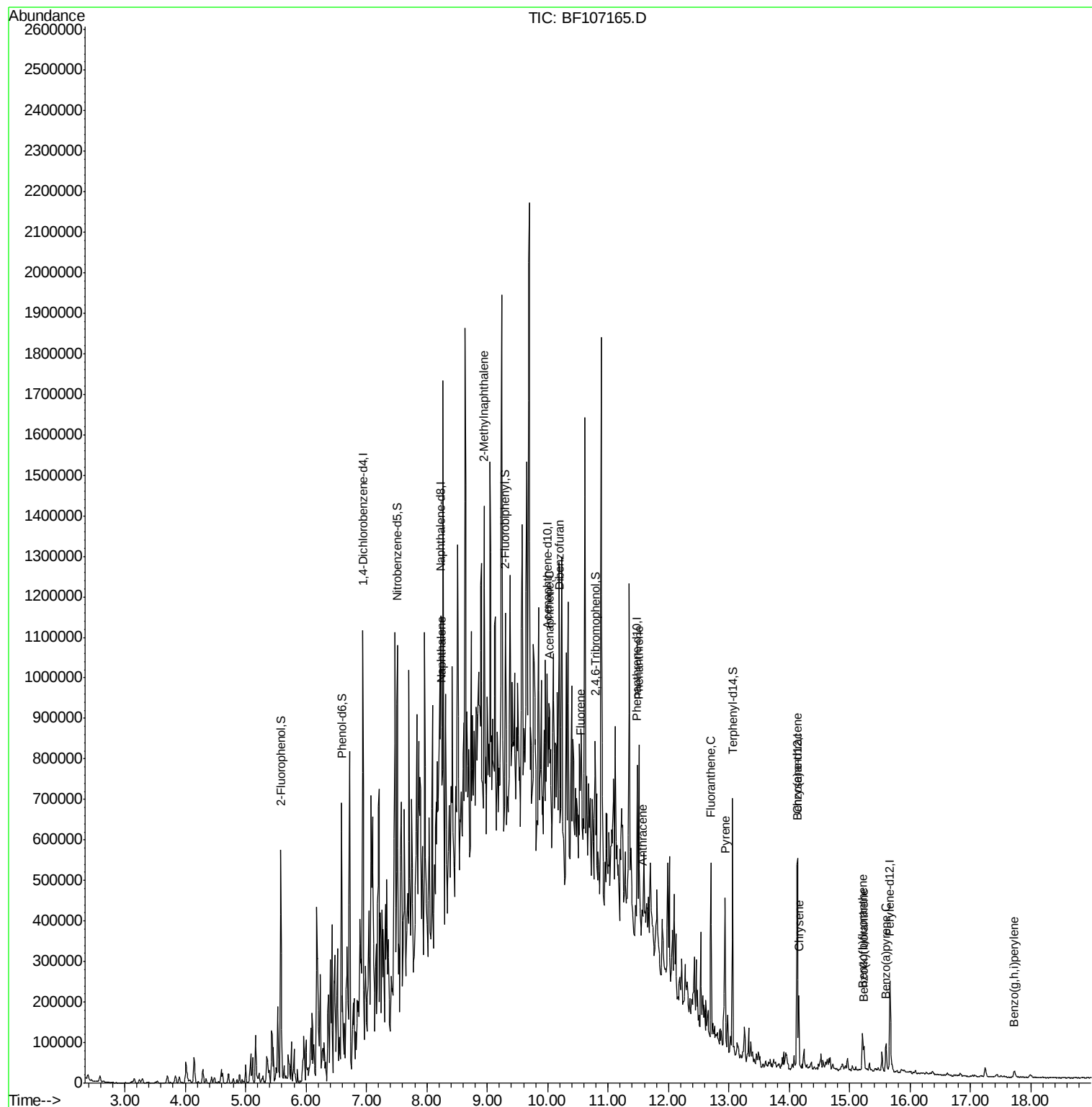
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070518\
Data File : BF107165.D
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Operator : JU/SJ
Sample : J3853-08DL 2X
Misc :
ALS Vial : 49 Sample Multiplier: 1

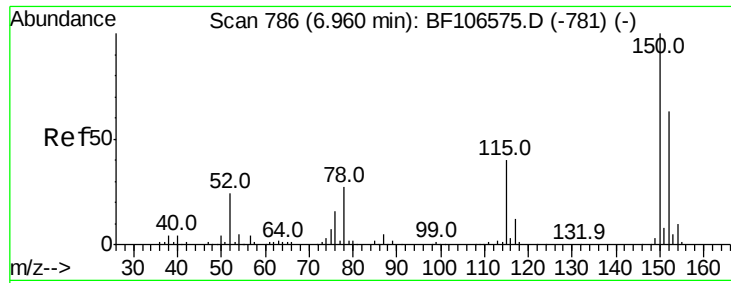
Instrument :
BNA_F
ClientSampleId :
B-7DL

Quant Time: Jul 06 15:35:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
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Response via : Initial Calibration

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#1

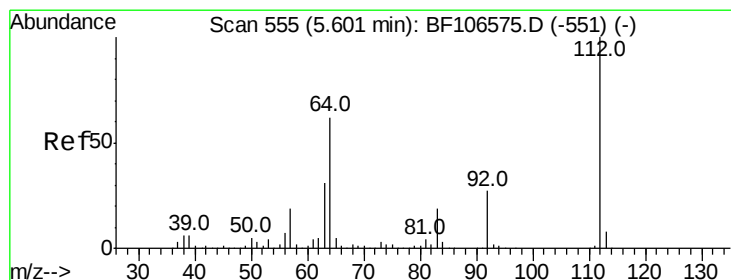
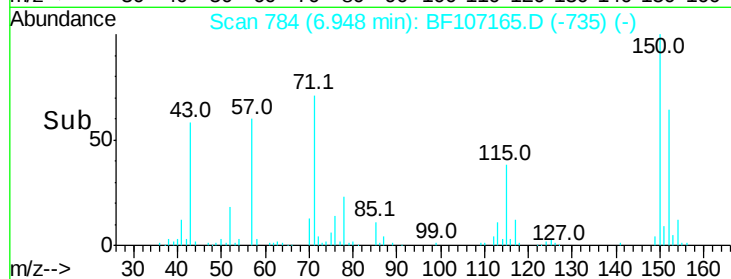
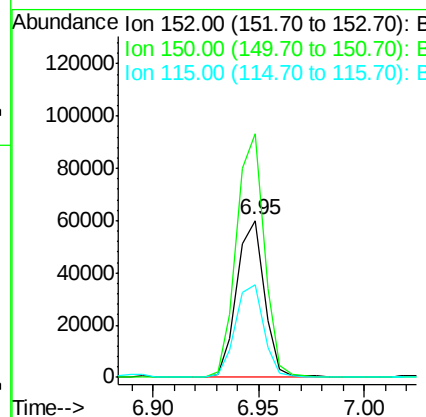
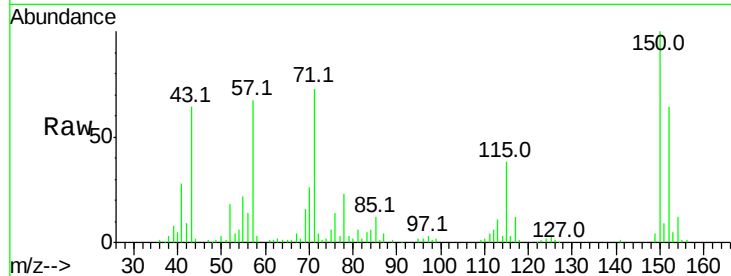
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 784
Delta R.T. -0.01 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Instrument :
BNA_F
ClientSampled :
B-7DL

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	124.6	186.8
115	59.2	50.1	75.1

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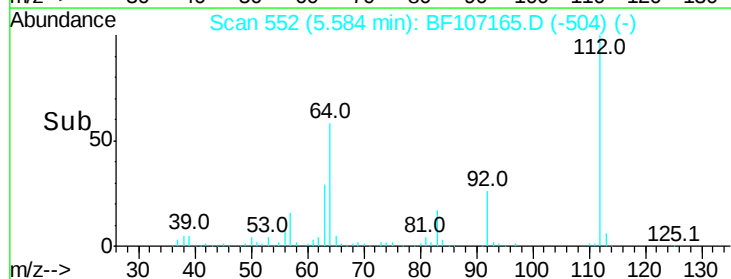
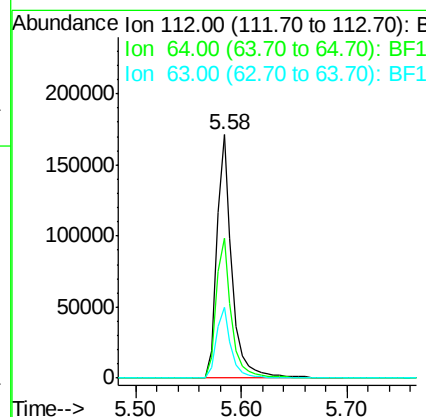
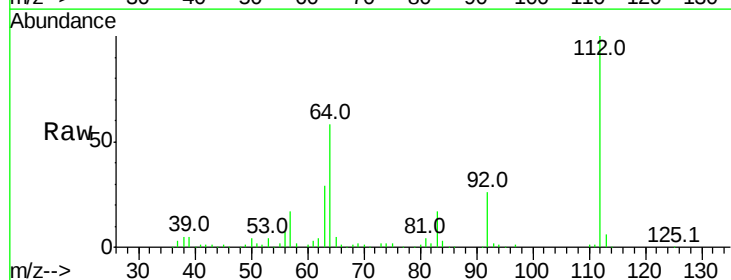
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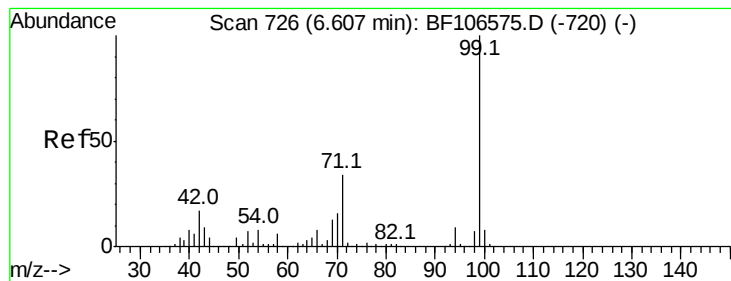


#5

2-Fluorophenol
Concen: 53.687 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.6	47.9	71.9
63	28.8	23.7	35.5





#7

Phenol-d6

Concen: 52.631 ng

RT: 6.59 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

Instrument :

BNA_F

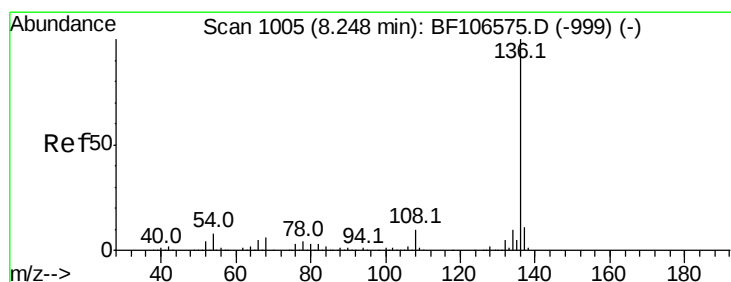
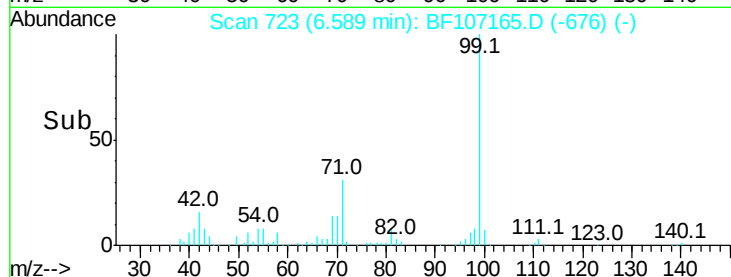
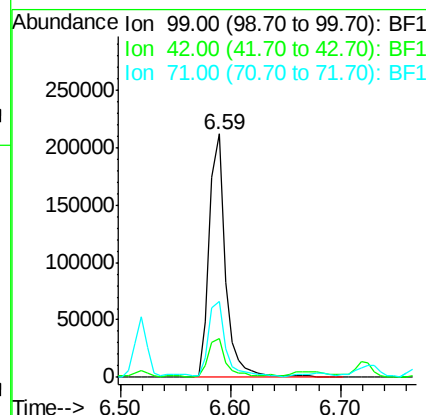
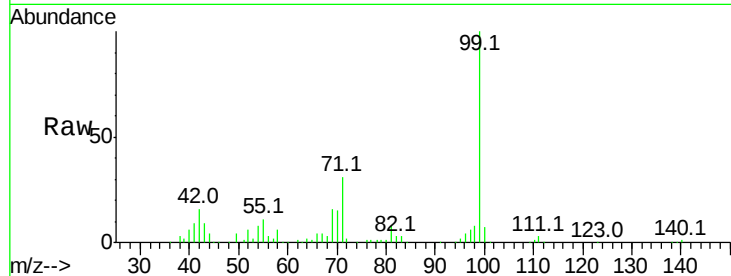
ClientSampled :

B-7DL

Tot Ion	Ratio	Resp	Lower	Upper
99	100	211100		
42	15.8	14.5	21.7	
71	31.2	25.4	38.0	

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#21

Naphthalene-d8

Concen: 20.000 ng

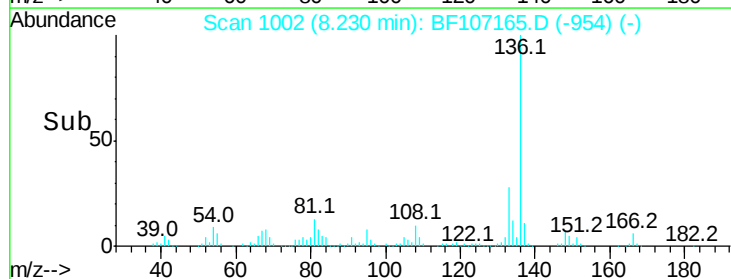
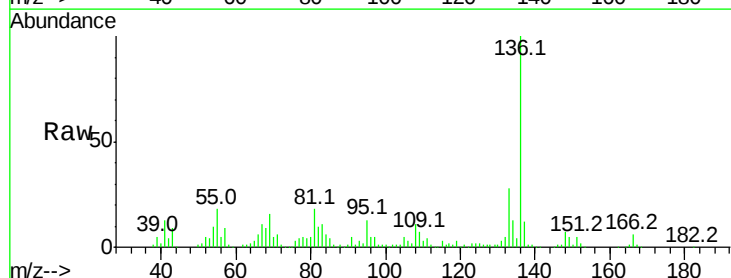
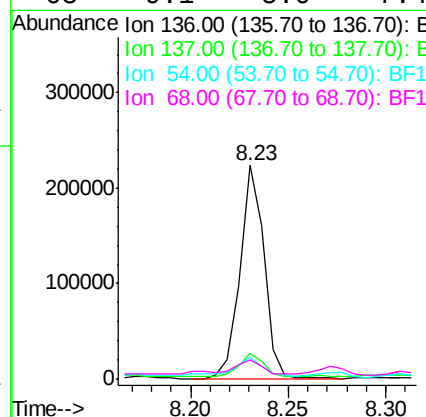
RT: 8.23 min Scan# 1002

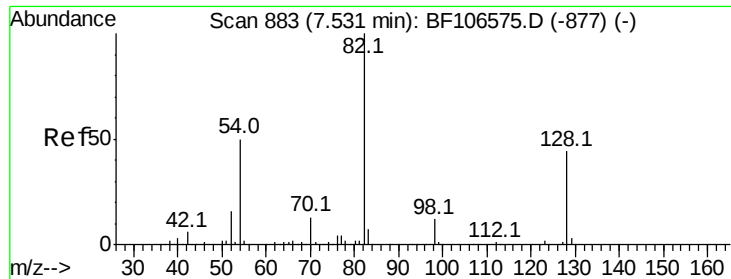
Delta R.T. -0.02 min

Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	191533		
137	12.0	8.9	13.3	
54	10.1	6.6	9.8#	
68	9.1	5.0	7.4#	





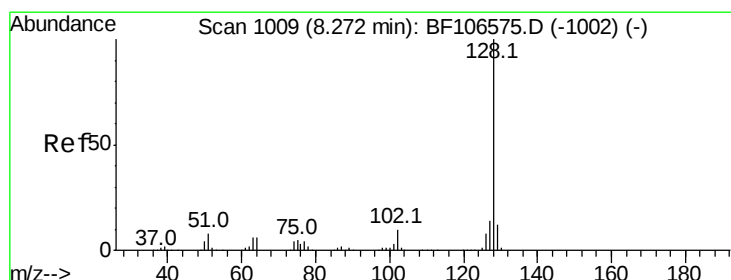
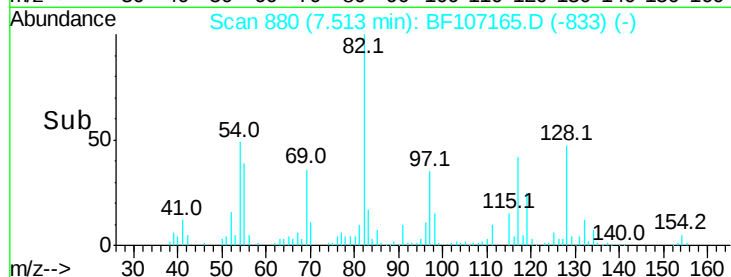
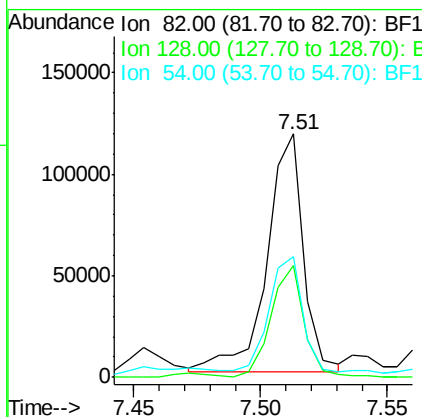
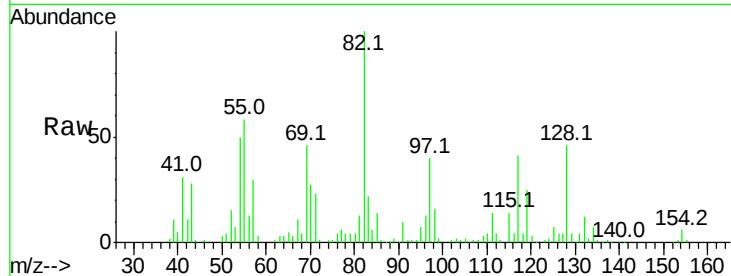
#23
Nitrobenzene-d5
Concen: 34.488 ng
RT: 7.51 min Scan# 880
Delta R.T. -0.02 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Instrument :
BNA_F
ClientSampled :
B-7DL

Tot Ion	82	Resp	118862
Ion Ratio	100	Lower	Upper
128	45.9	36.1	54.1
54	49.6	41.4	62.2

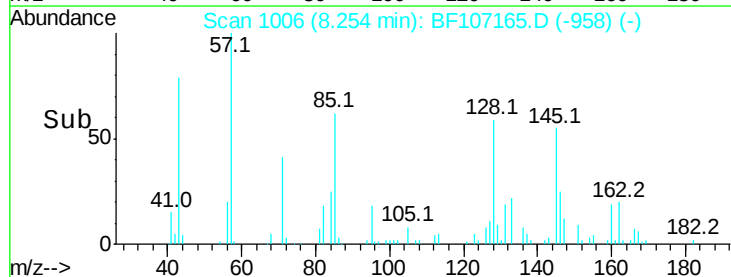
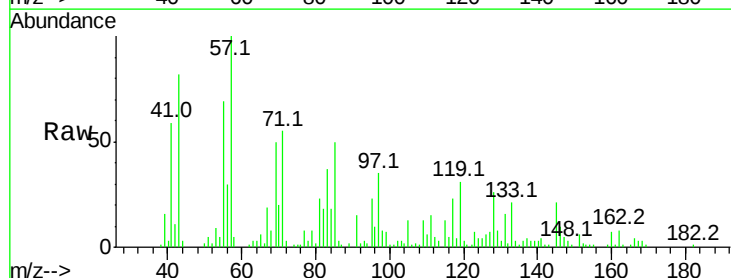
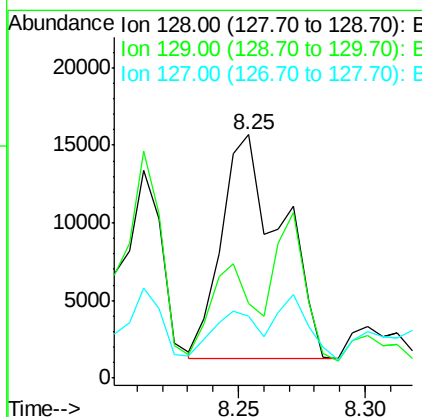
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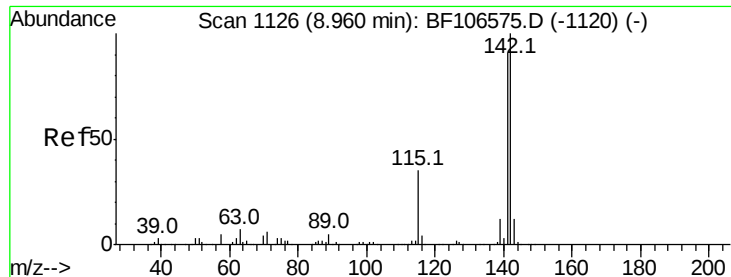
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#31
Naphthalene
Concen: 2.632 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.02 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Tgt Ion	128	Resp	23572
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
129	30.8	8.8	13.2#
127	25.5	10.9	16.3#





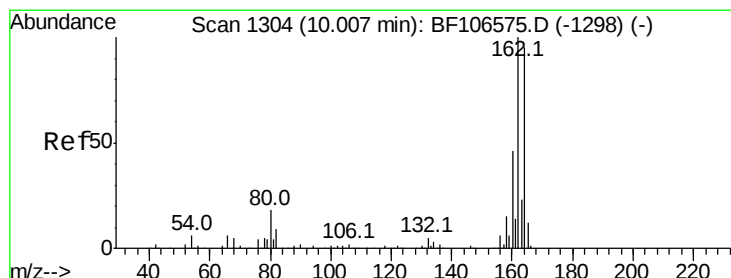
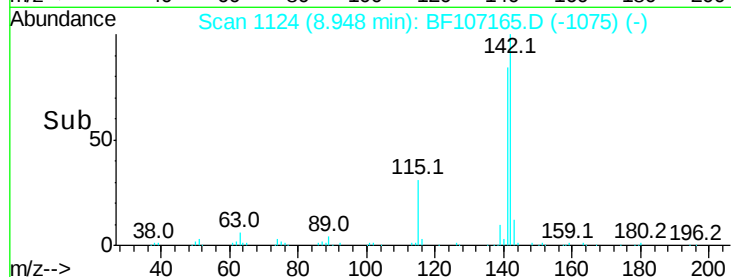
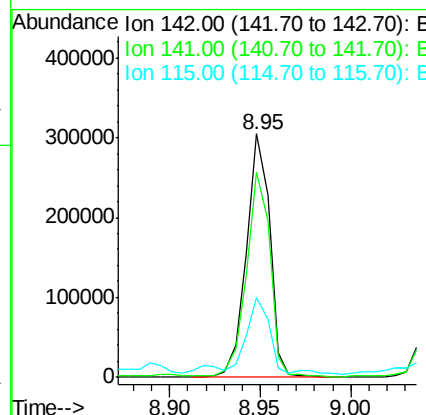
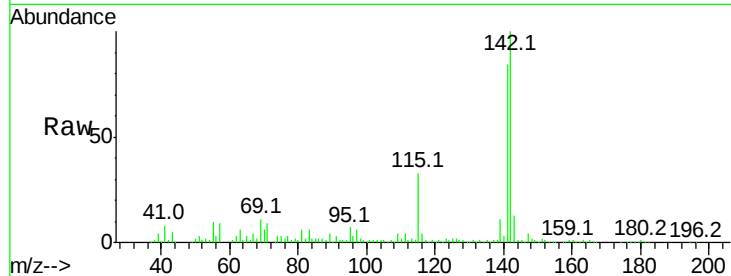
#37
2-Methylnaphthalene
Concen: 45.808 ng
RT: 8.95 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Instrument :
BNA_F
ClientSampled :
B-7DL

Tot Ion	Ratio	Resp	Lower	Upper
142	100	271889		
141	84.3		70.8	106.2
115	32.7		26.1	39.1

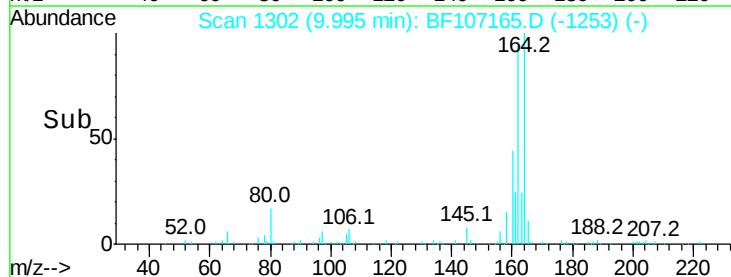
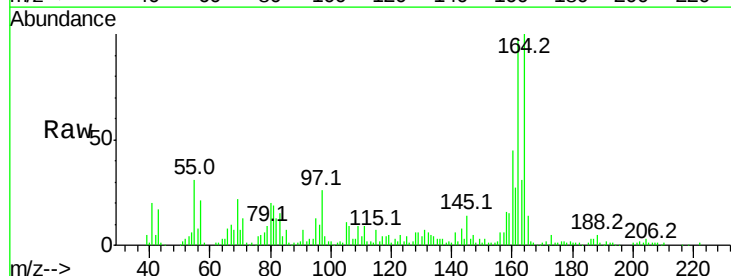
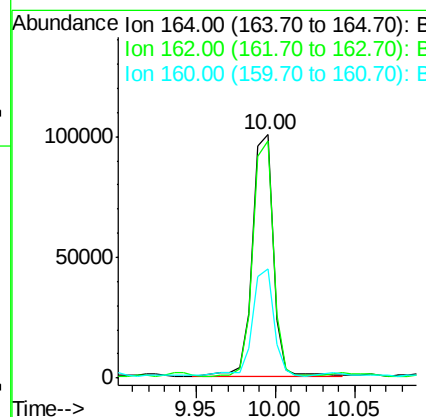
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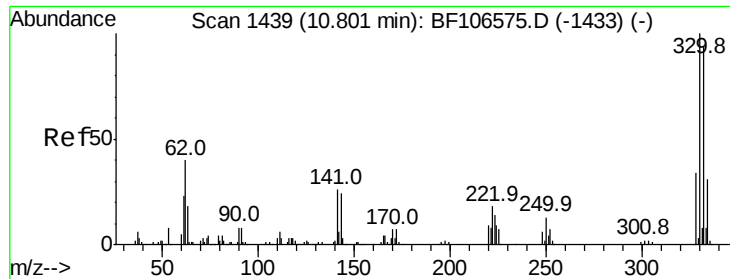
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	91799		
162	97.4		86.1	129.1
160	45.1		38.3	57.5





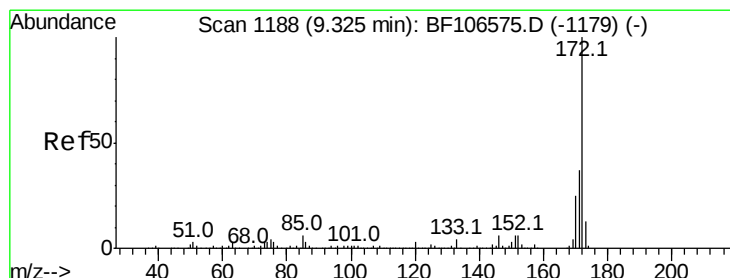
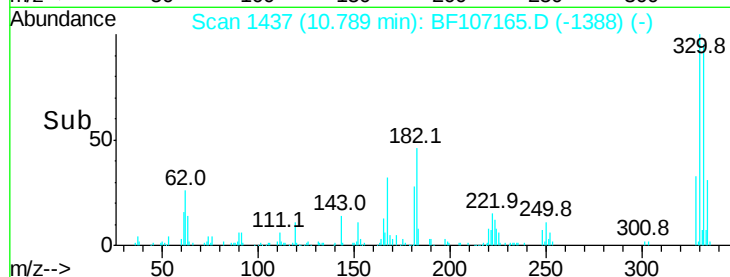
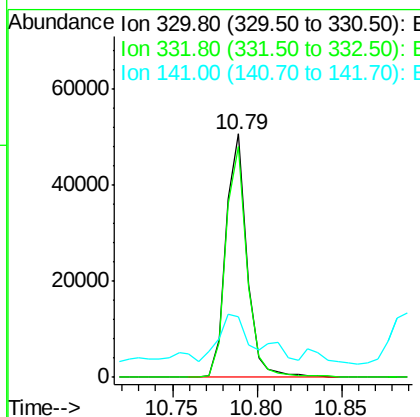
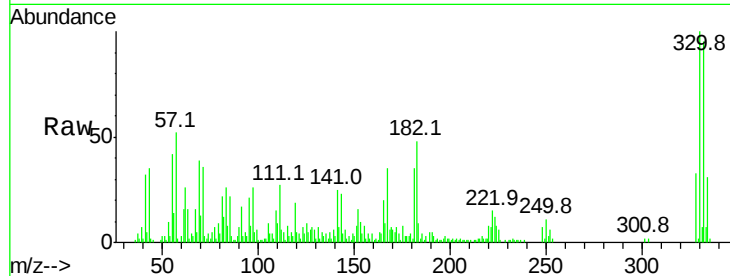
#41
 2,4,6-Tribromophenol
 Concen: 41.126 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107165.D
 Acq: 6 Jul 2018 10:59

Instrument :
 BNA_F
 ClientSampled :
 B-7DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	25.6	29.9	44.9

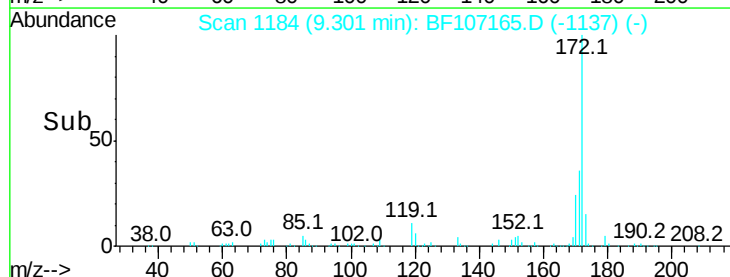
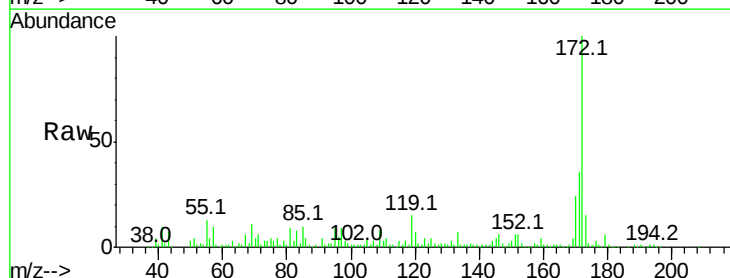
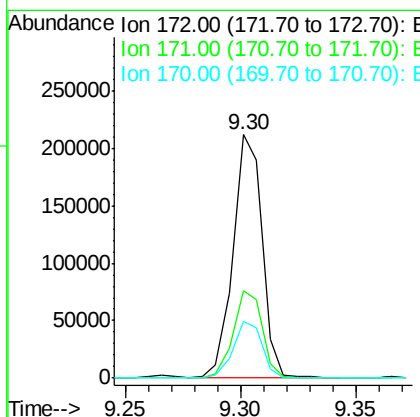
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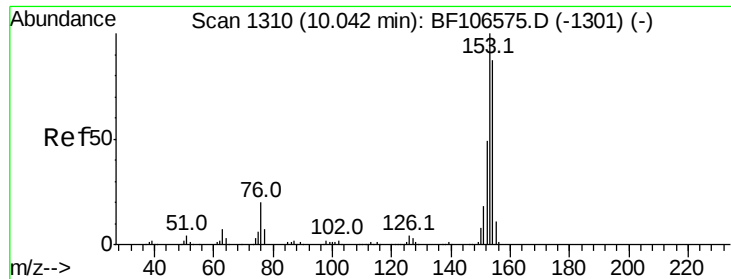
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#44
 2-Fluorobiphenyl
 Concen: 23.701 ng
 RT: 9.30 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF107165.D
 Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.5	19.6	29.4





#51

Acenaphthene

Concen: 5.525 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

Instrument :

BNA_F

ClientSampled :

B-7DL

Tot Ion:154 Resp: 31629

Ion Ratio Lower Upper

154 100

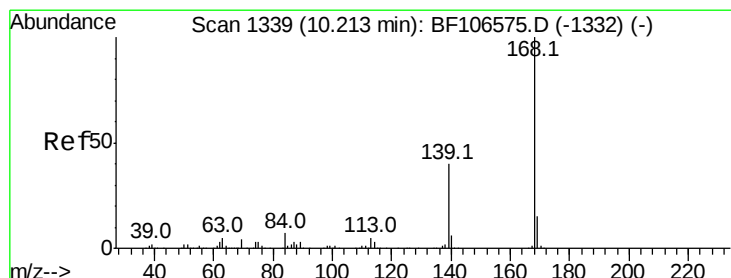
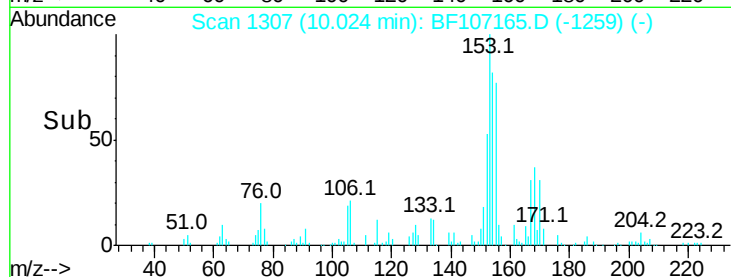
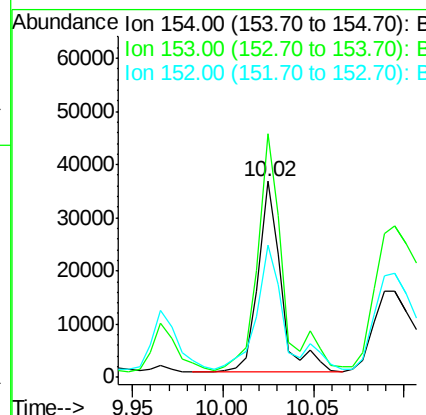
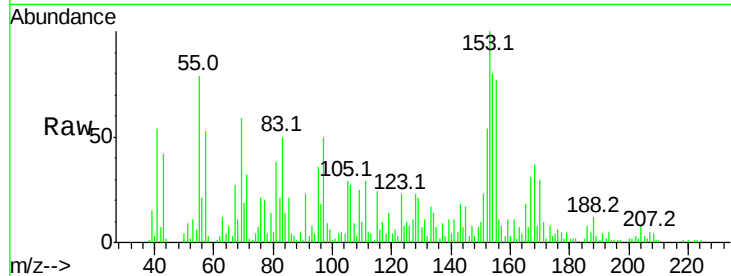
153 124.4 91.2 136.8

152 67.7 43.8 65.8#

Manual Integrations
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#54

Dibenzofuran

Concen: 4.197 ng

RT: 10.20 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

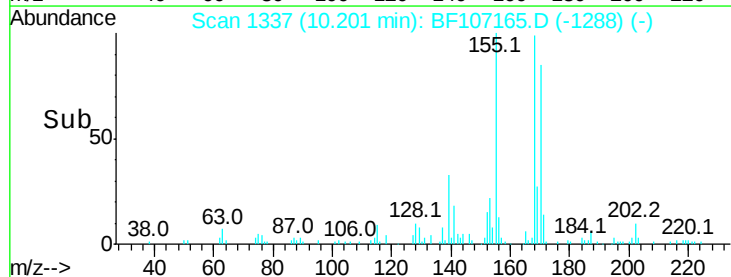
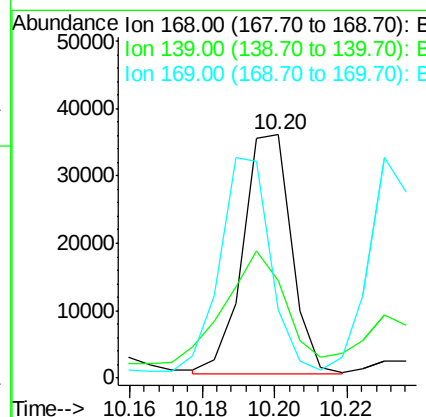
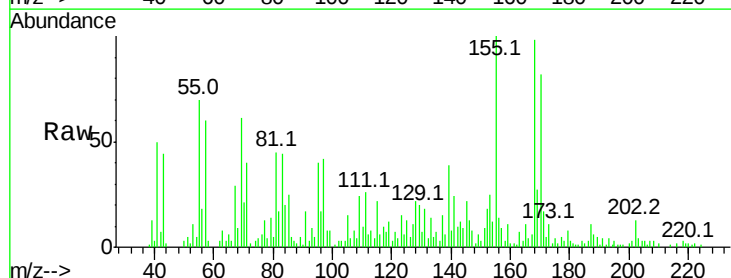
Tgt Ion:168 Resp: 32903

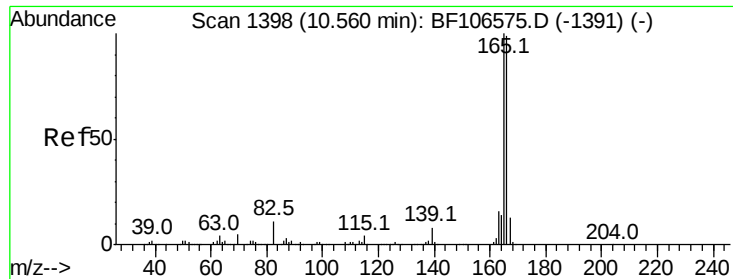
Ion Ratio Lower Upper

168 100

139 40.1 30.1 45.1

169 27.8 10.9 16.3#





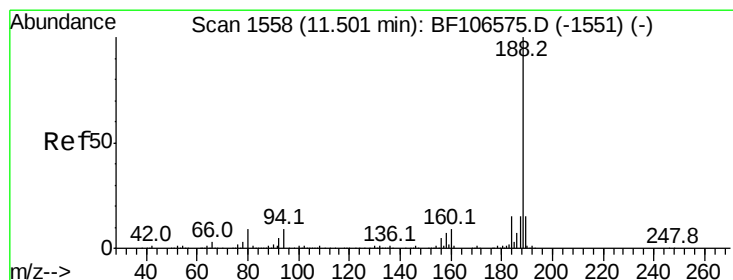
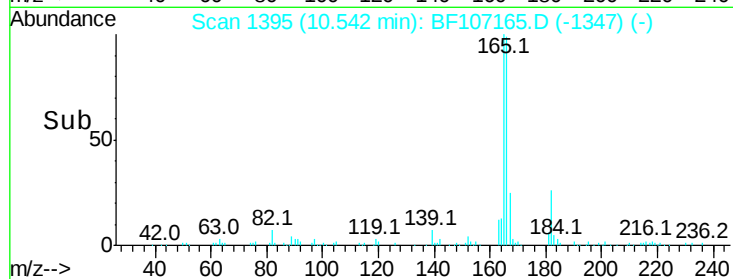
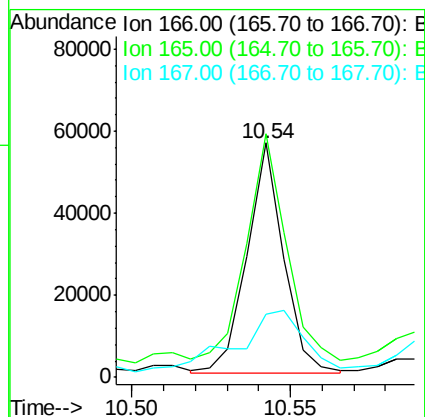
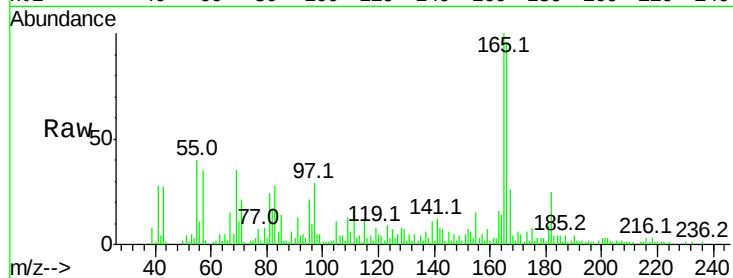
#57
Fluorene
 Concen: 7.191 ng
 RT: 10.54 min Scan# 1395
 Delta R.T. -0.02 min
 Lab File: BF107165.D
 Acq: 6 Jul 2018 10:59

Instrument :
 BNA_F
 ClientSampleId :
 B-7DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.9	79.8	119.8
167	26.8	10.6	16.0

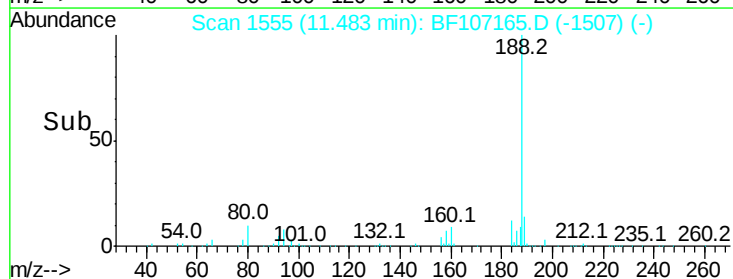
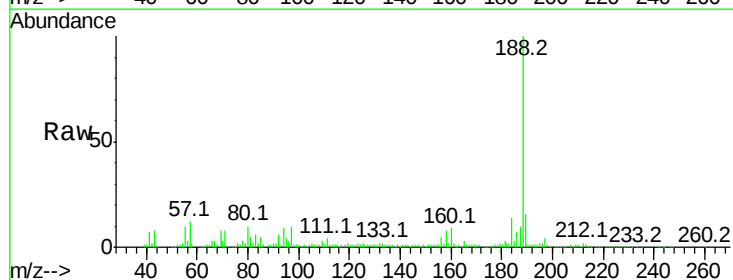
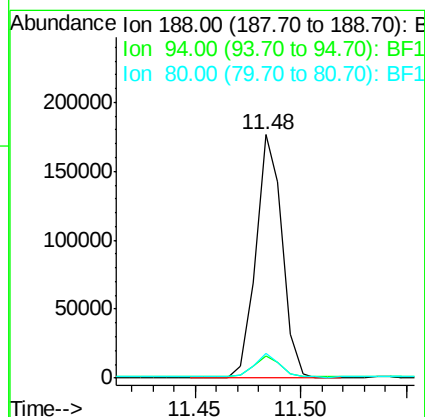
Manual Integrations
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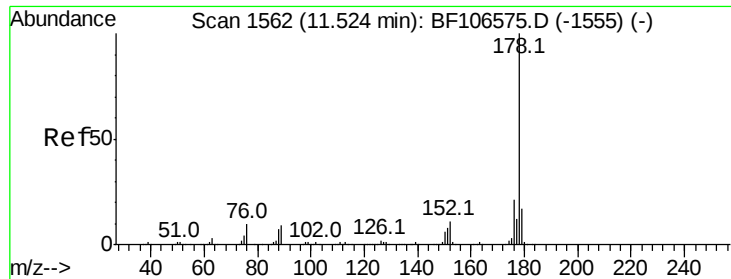
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 7/6/2018 4:01:29 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.48 min Scan# 1555
 Delta R.T. -0.02 min
 Lab File: BF107165.D
 Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	8.5	12.7
80	10.2	9.2	13.8





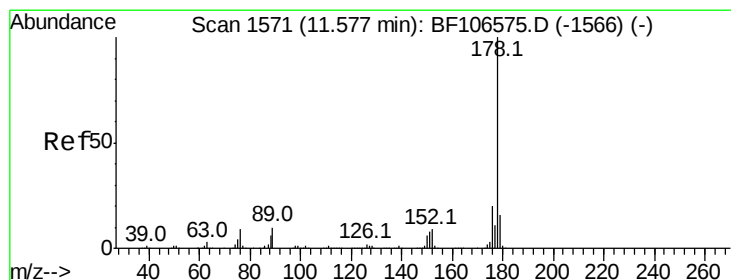
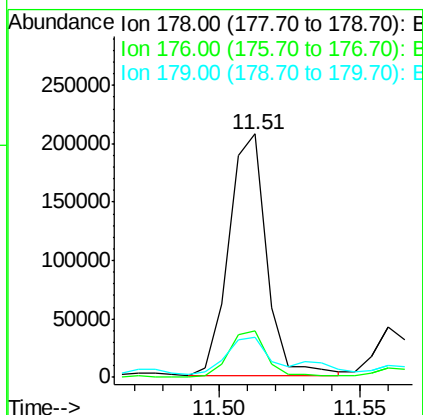
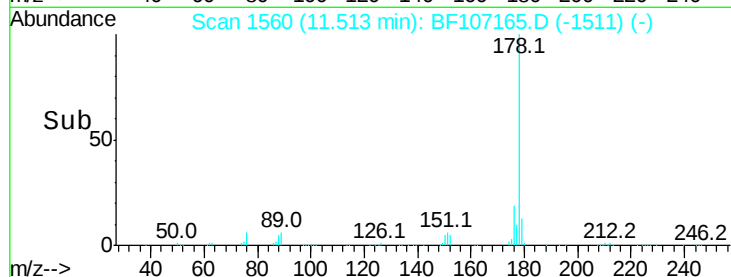
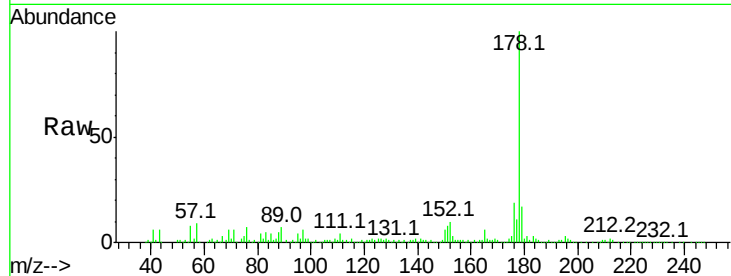
#70
Phenanthrene
Concen: 25.834 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Instrument :
BNA_F
ClientSampled :
B-7DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	16.6	13.0	19.6

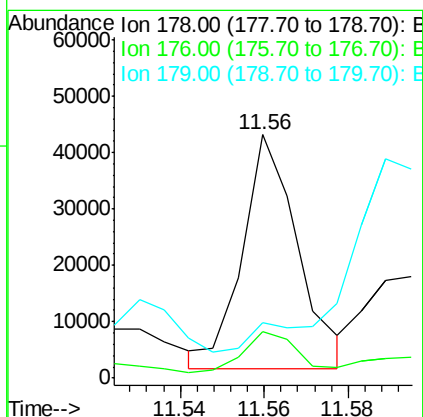
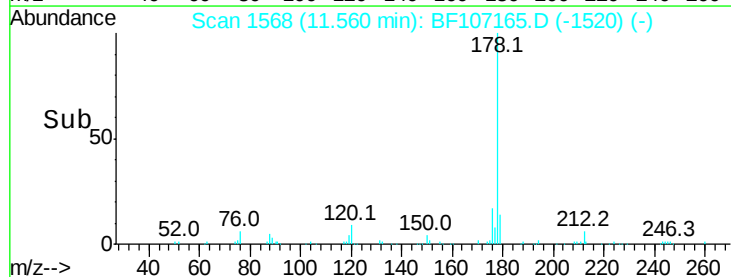
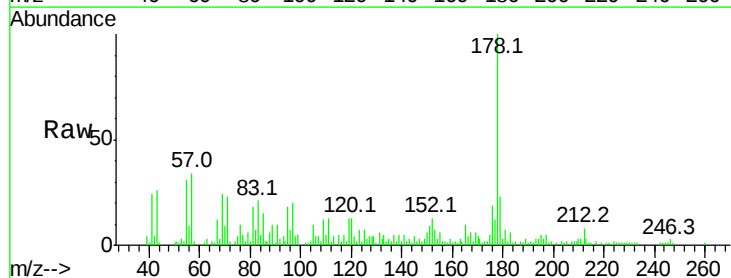
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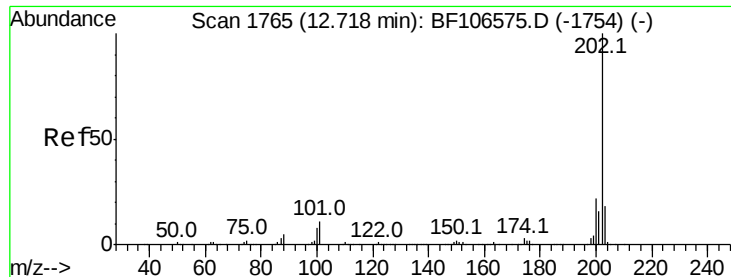
Sohil
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#71
Anthracene
Concen: 5.077 ng m
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	22.7	12.6	19.0#





#74

Fluoranthene

Concen: 20.420 ng

RT: 12.70 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

Instrument :

BNA_F

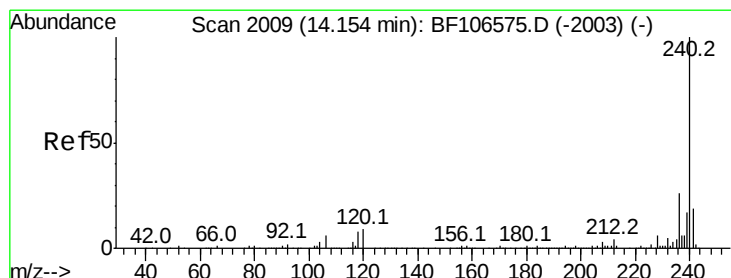
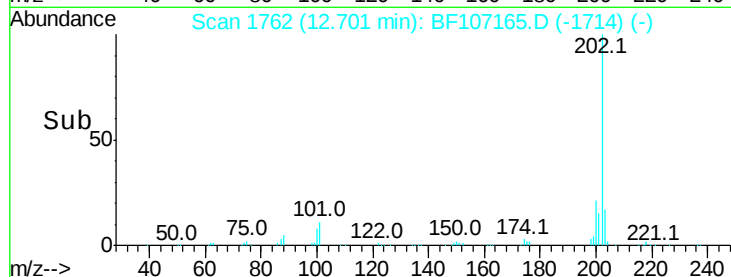
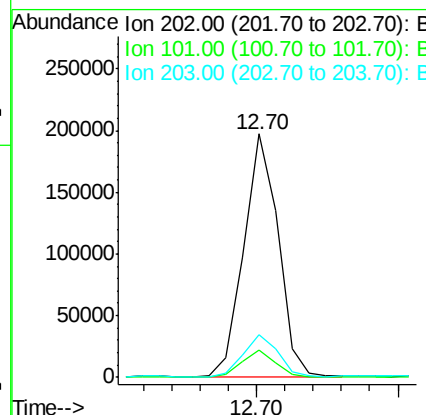
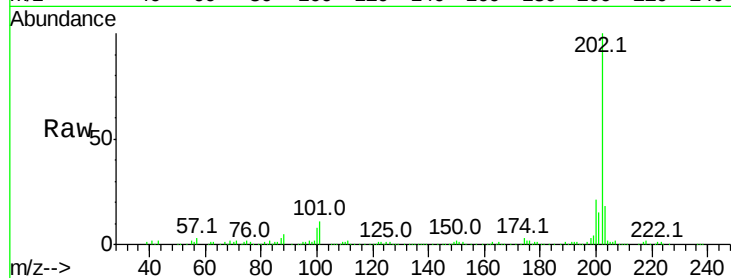
ClientSampleId :

B-7DL

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.0	0.0	34.1
203	17.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

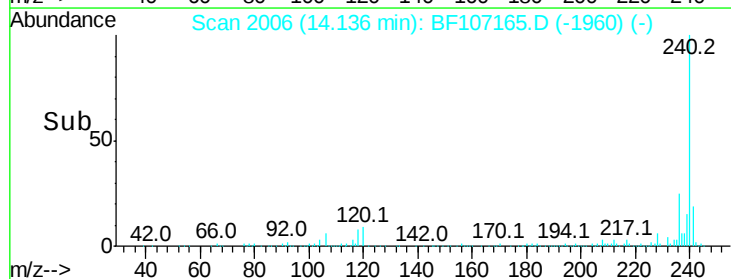
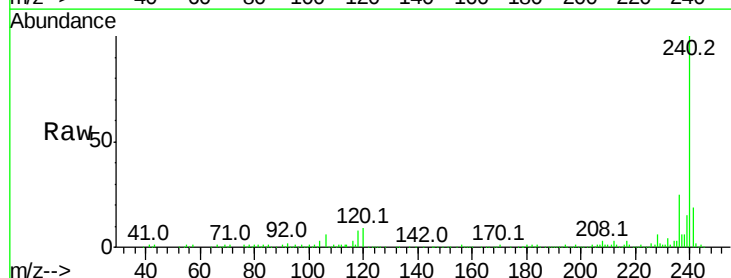
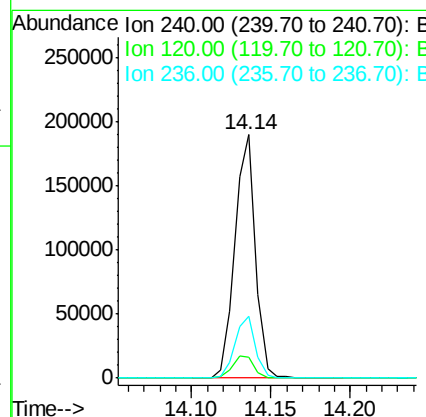
RT: 14.14 min Scan# 2006

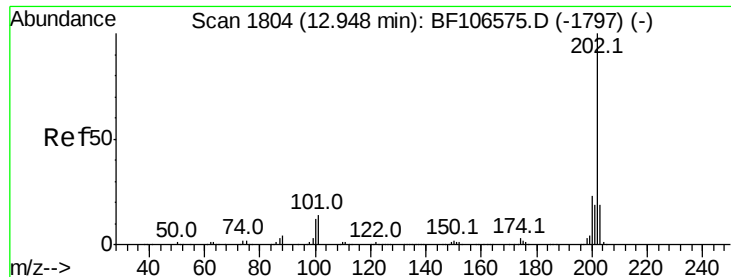
Delta R.T. -0.03 min

Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	8.5	9.5	14.3#
236	25.3	20.7	31.1





#77

Pvrene

Concen: 14.115 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

Instrument :

BNA_F

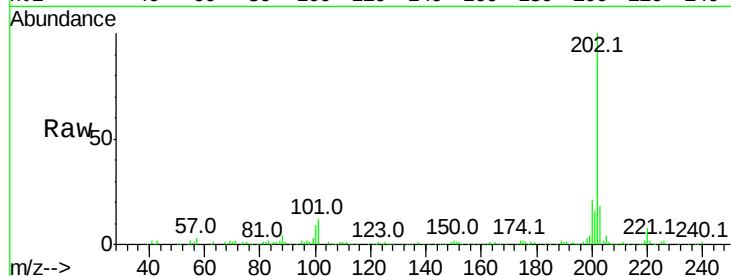
ClientSampled :

B-7DL

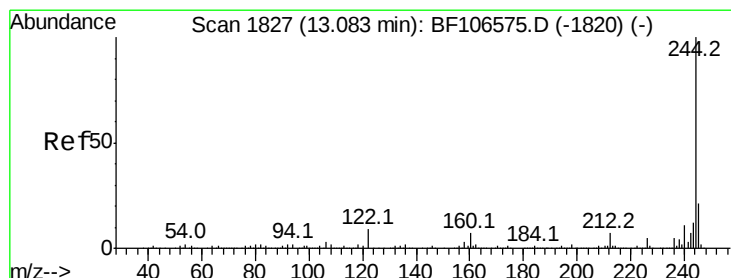
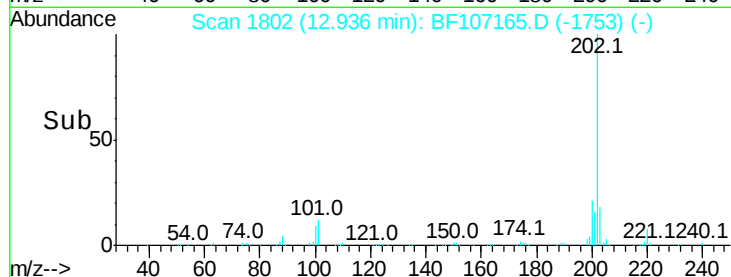
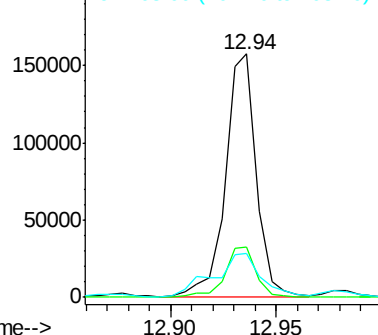
Tot Ion:	202	Resp:	158993
Ion Ratio		Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.3	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 29.471 ng

RT: 13.06 min Scan# 1823

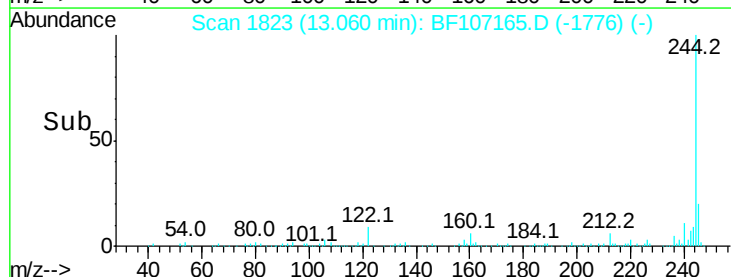
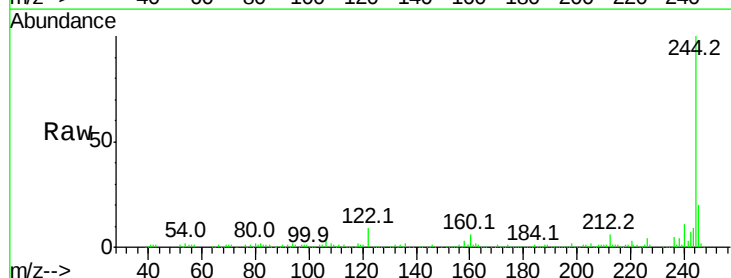
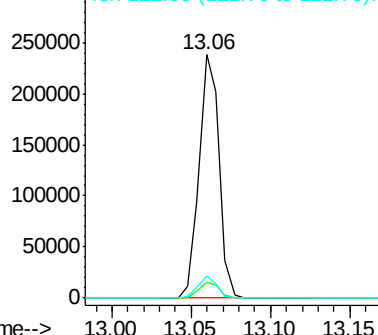
Delta R.T. -0.02 min

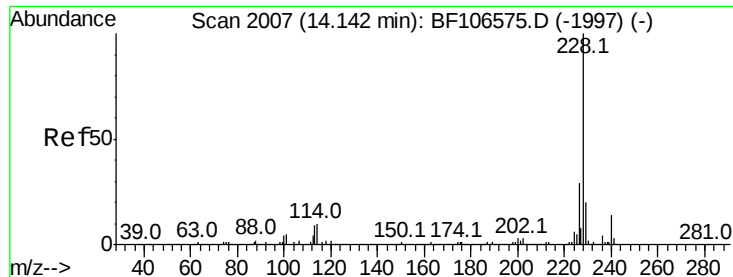
Lab File: BF107165.D

Acq: 6 Jul 2018 10:59

Tgt Ion:	244	Resp:	207823
Ion Ratio		Lower	Upper
244	100		
212	6.4	5.4	8.0
122	9.3	11.0	16.4#

Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





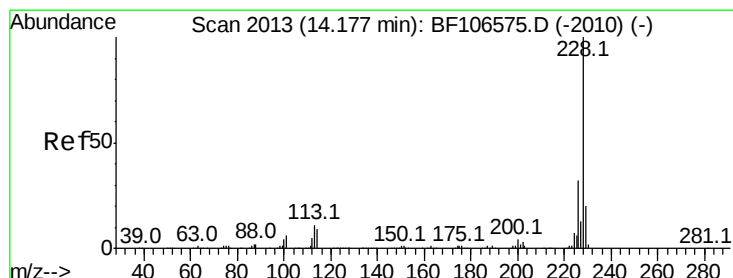
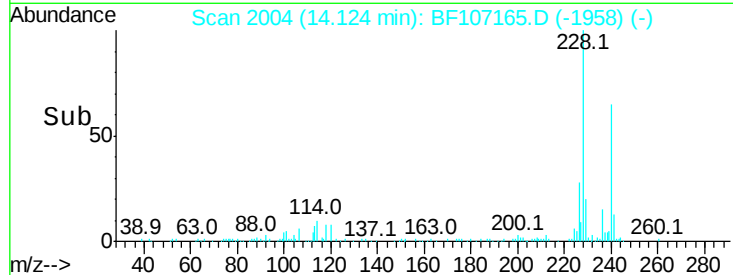
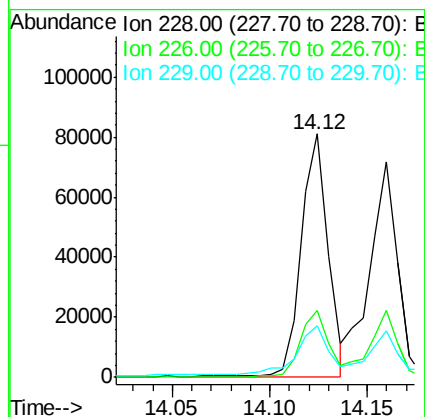
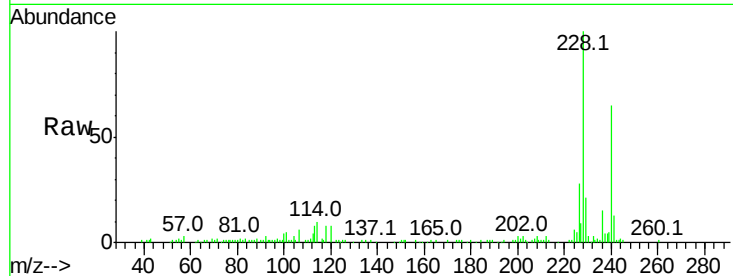
#80
Benzo(a)anthracene
Concen: 7.325 ng
RT: 14.12 min Scan# 2004
Delta R.T. -0.03 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Instrument :
BNA_F
ClientSampled :
B-7DL

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.0	15.8	23.6

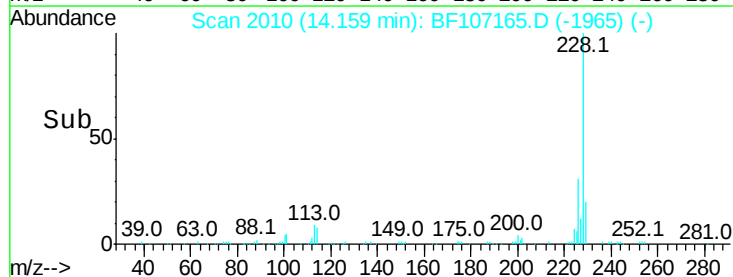
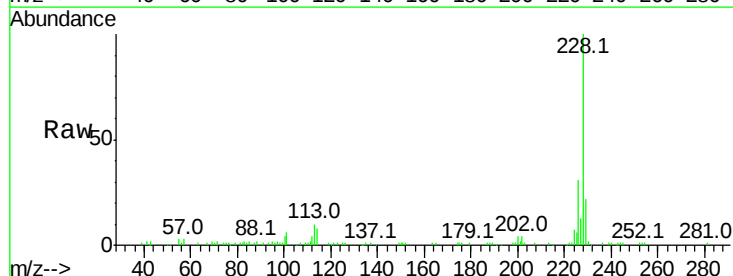
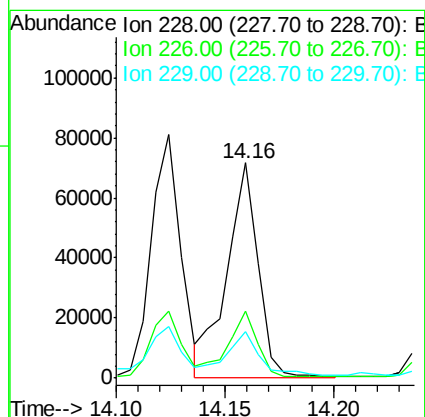
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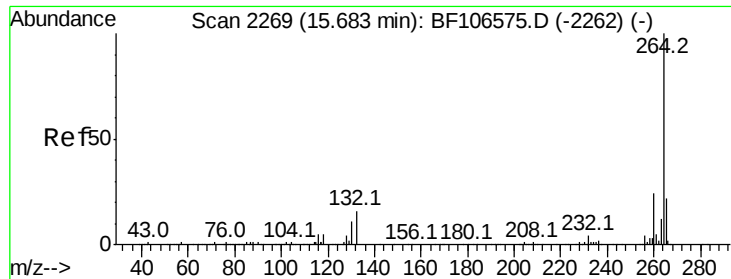
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#82
Chrysene
Concen: 7.540 ng m
RT: 14.16 min Scan# 2010
Delta R.T. -0.04 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	21.7	16.2	24.4





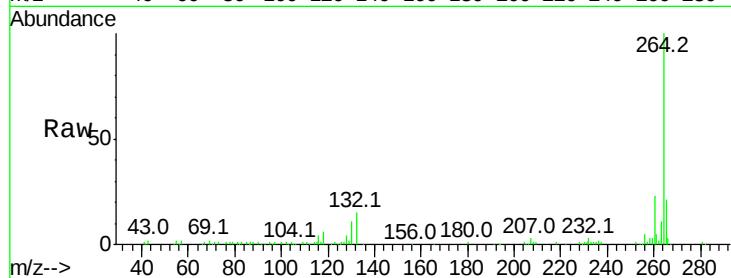
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2266
Delta R.T. -0.05 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Instrument :
BNA_F
ClientSampleId :
B-7DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.5	17.5	26.3

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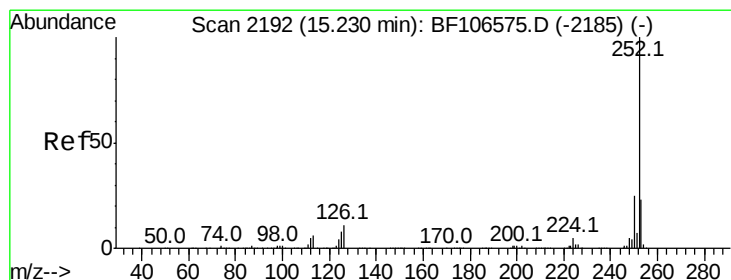
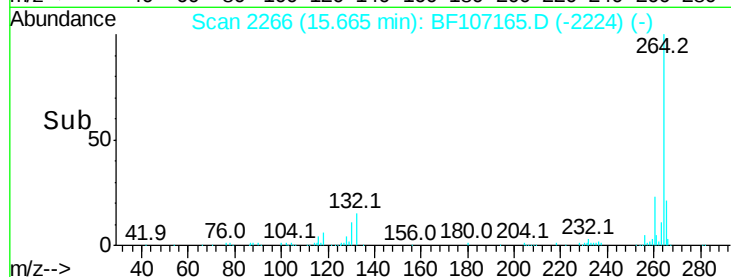
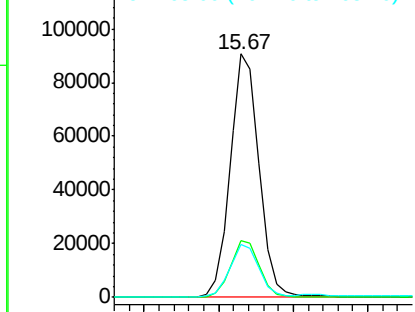


Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87
Benzo(b)fluoranthene
Concen: 7.808 ng m
RT: 15.21 min Scan# 2189
Delta R.T. -0.05 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

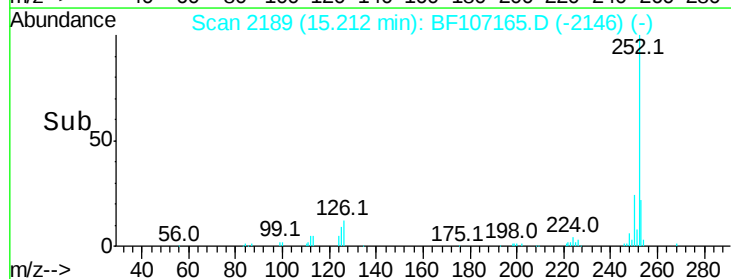
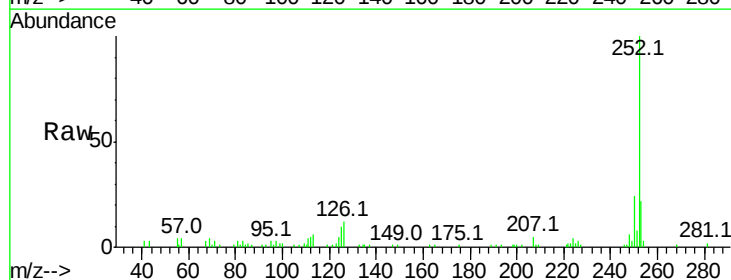
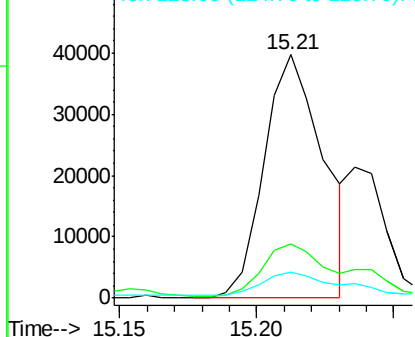
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.0	25.6
125	10.5	9.0	13.6

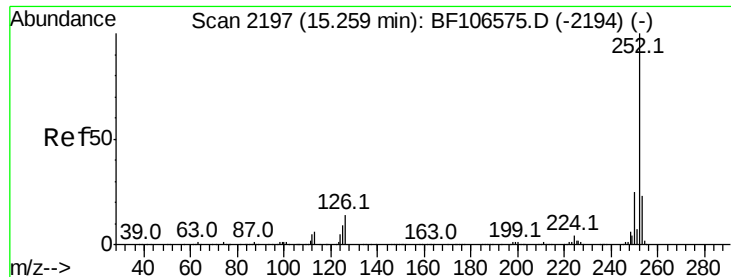
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





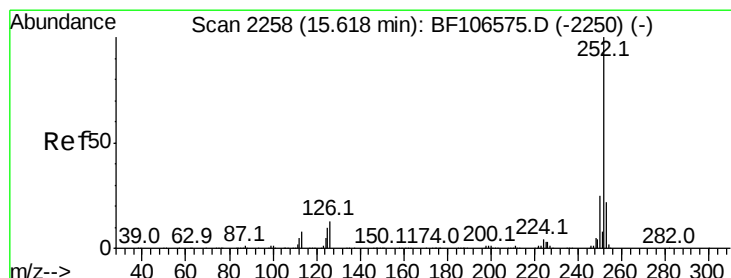
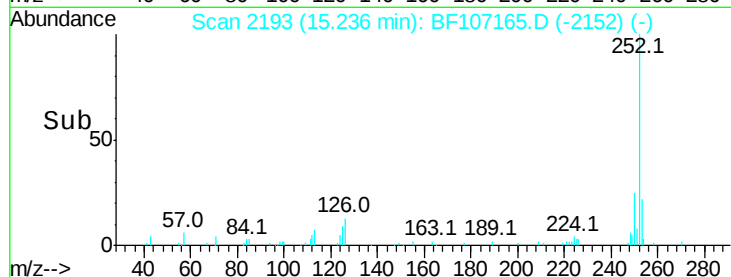
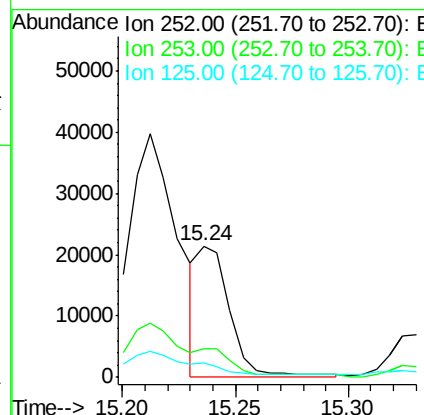
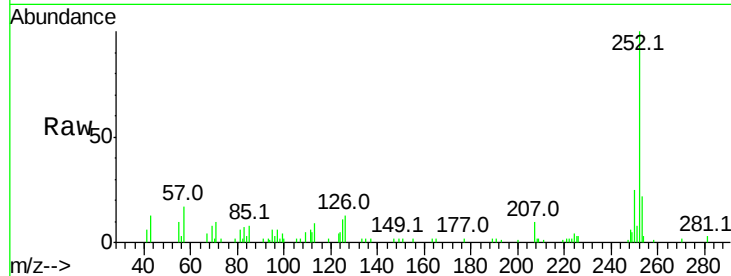
#88
Benzo(k)fluoranthene
Concen: 2.926 ng m
RT: 15.24 min Scan# 2193
Delta R.T. -0.06 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Instrument :
BNA_F
ClientSampled :
B-7DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.9	26.9
125	11.4	10.2	15.2

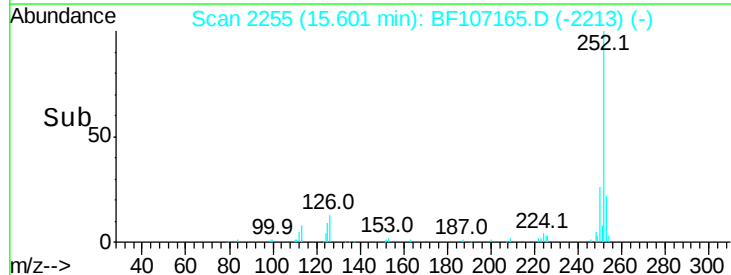
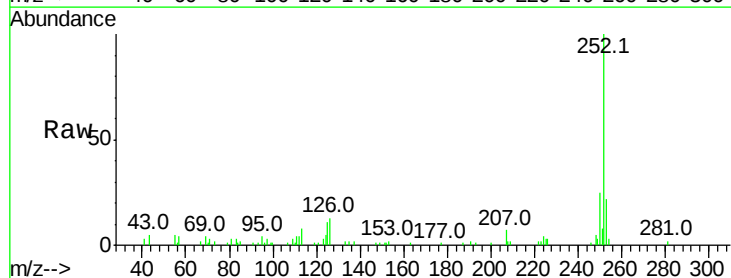
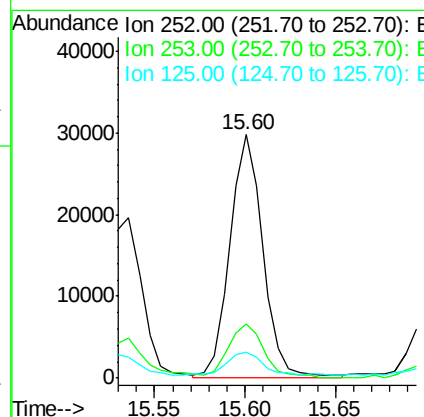
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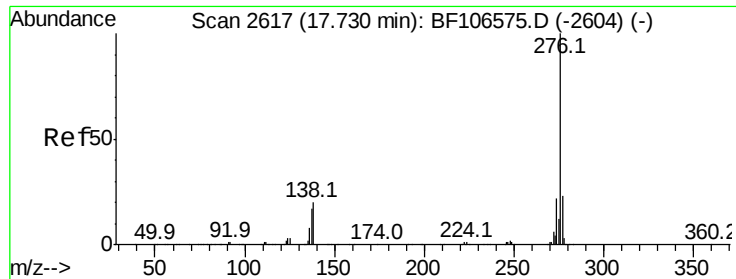
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#89
Benzo(a)pyrene
Concen: 5.600 ng
RT: 15.60 min Scan# 2255
Delta R.T. -0.05 min
Lab File: BF107165.D
Acq: 6 Jul 2018 10:59

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.1	25.7
125	10.8	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 2.473 ng
 RT: 17.73 min Scan# 2617
 Delta R.T. -0.06 min
 Lab File: BF107165.D
 Acq: 6 Jul 2018 10:59

Instrument :
 BNA_F
 ClientSampleId :
 B-7DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.9	26.9
138	19.2	21.8	32.8

Manual Integrations
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