

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
 Data File : BF107287.D
 Acq On : 10 Jul 2018 21:42
 Operator : JU/SJ
 Sample : J3914-01 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 B1

Manual Integrations
 APPROVED

Sohil
 7/11/2018 11:23:06 AM

Quant Time: Jul 11 02:06:11 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	6.94	152	29534	20.00	ng	-0.02
21) Naphthalene-d8	8.22	136	108051	20.00	ng	-0.02
38) Acenaphthene-d10	9.98	164	55242	20.00	ng	-0.02
63) Phenanthrene-d10	11.48	188	117230	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	91171	20.00	ng	-0.02
86) Perylene-d12	15.68	264	67596	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	91740	52.60	ng	-0.02
7) Phenol-d6	6.60	99	112885	51.83	ng	-0.01
23) Nitrobenzene-d5	7.50	82	61226	31.49	ng	-0.04
41) 2,4,6-Tribromophenol	10.78	330	31819	49.70	ng	-0.02
44) 2-Fluorobiphenyl	9.30	172	116223	25.24	ng	-0.03
78) Terphenyl-d14	13.06	244	142683	37.91	ng	-0.02
Target Compounds						Qvalue
49) Dimethylphthalate	9.69	163	22840	5.513	ng	99
70) Phenanthrene	11.51	178	110545	19.551	ng	99
71) Anthracene	11.56	178	17602	3.050	ng	99
72) Carbazole	11.72	167	11202	2.073	ng	98
74) Fluoranthene	12.71	202	175745	28.200	ng	94
77) Pyrene	12.94	202	144384	24.016	ng	99
80) Benzo(a)anthracene	14.13	228	63060	11.349	ng	98
82) Chrysene	14.17	228	67297	13.164	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	32721	7.542	ng	# 93
87) Benzo(b)fluoranthene	15.22	252	78508m	18.697	ng	
88) Benzo(k)fluoranthene	15.25	252	19420m	4.857	ng	
89) Benzo(a)pyrene	15.61	252	50163	13.438	ng	94
90) Dibenzo(a,h)anthracene	17.27	278	8555	2.704	ng	# 81
91) Benzo(a,h,i)perylene	17.76	276	31840	10.297	ng	# 88

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

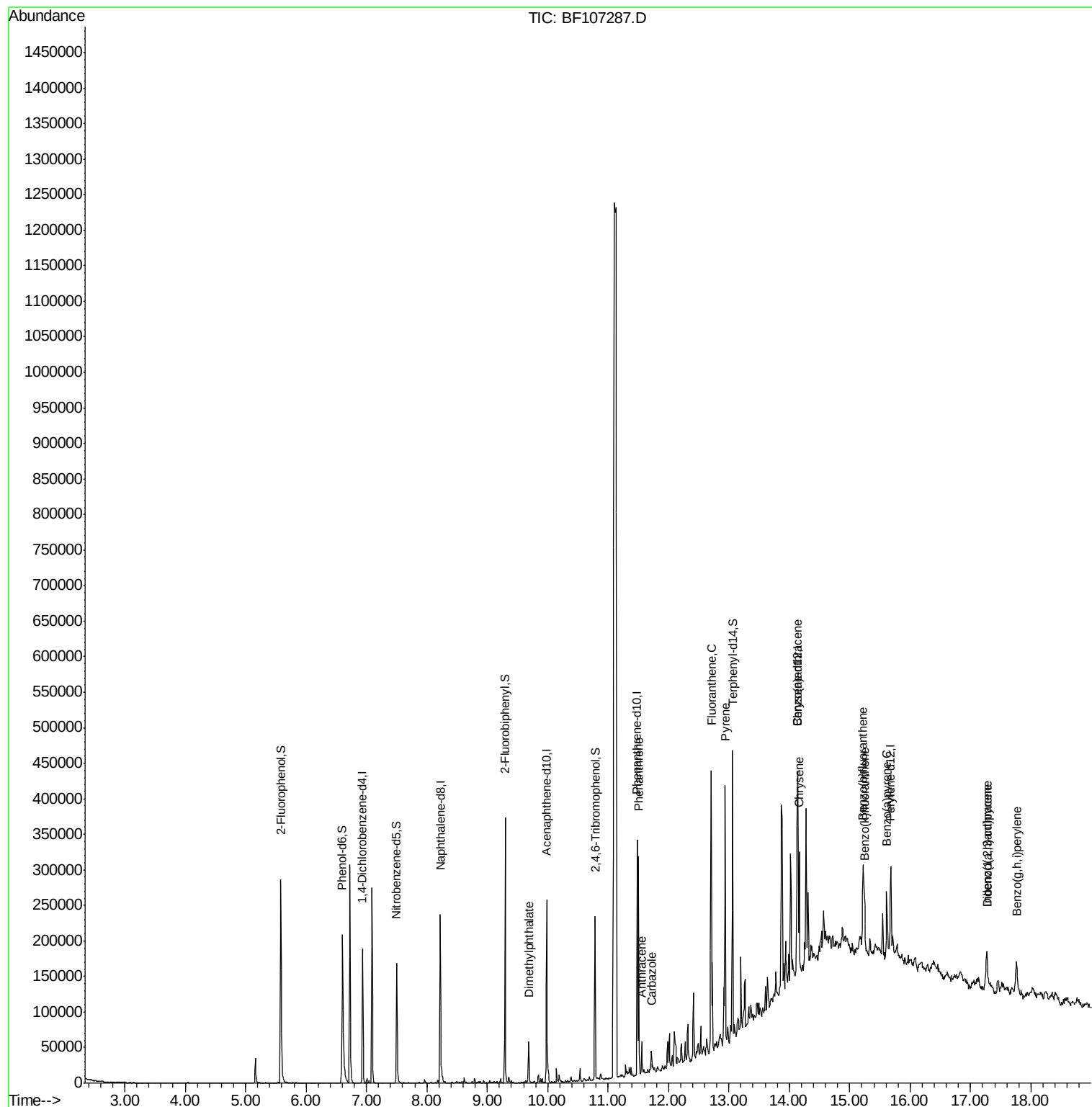
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071018\
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ALS Vial : 27 Sample Multiplier: 1

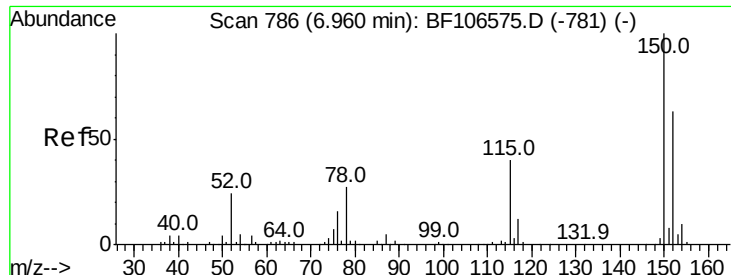
Instrument :
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#1

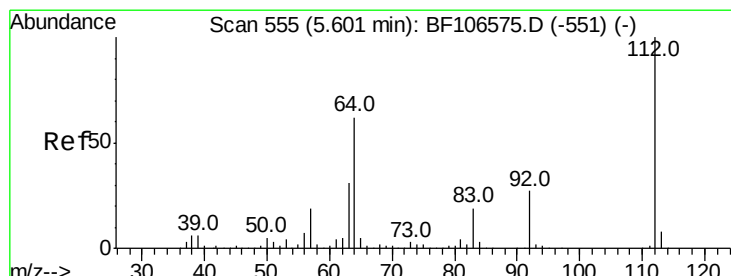
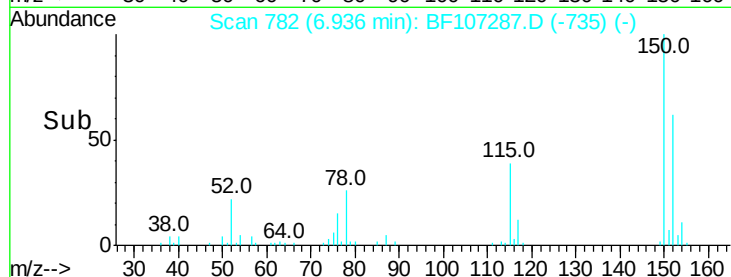
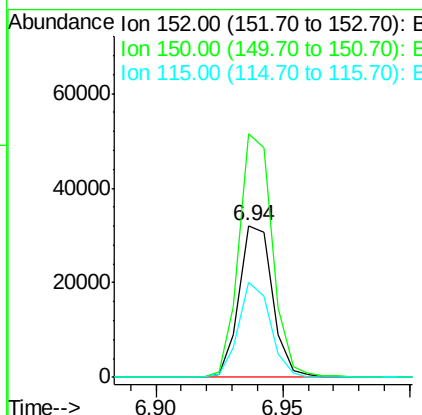
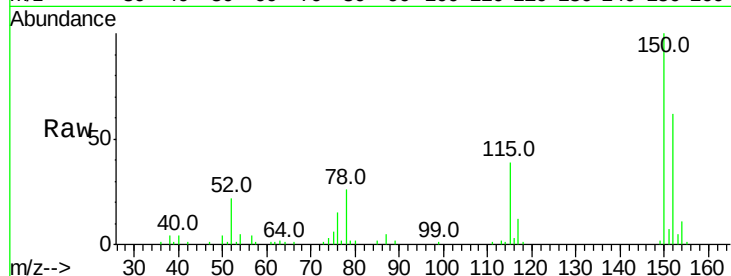
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.94 min Scan# 782
Delta R.T. -0.02 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Instrument :
BNA_F
ClientSampled :
B1

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	124.6	186.8
115	62.6	50.1	75.1

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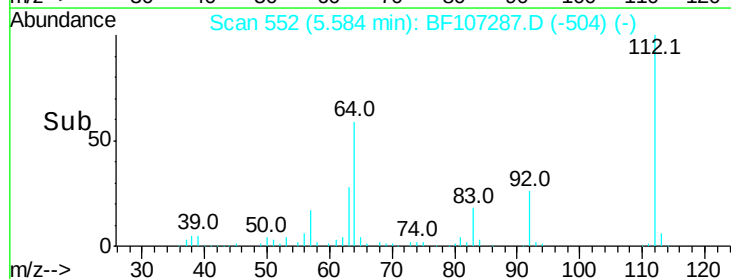
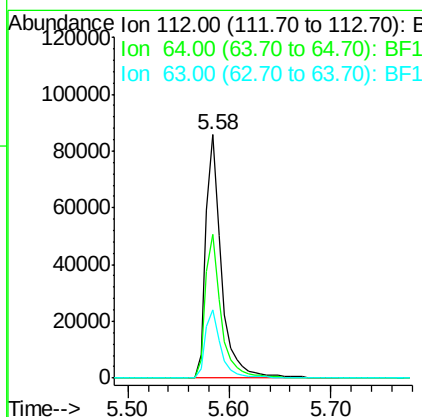
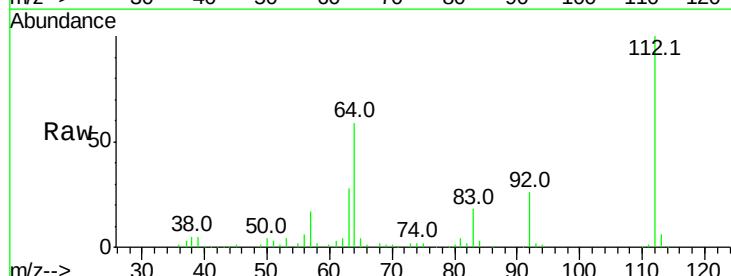
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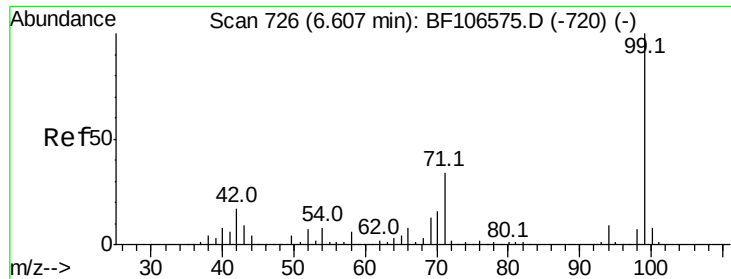


#5

2-Fluorophenol
Concen: 52.599 ng
RT: 5.58 min Scan# 552
Delta R.T. -0.02 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.9	71.9
63	27.9	23.7	35.5





#7

Phenol-d6

Concen: 51.827 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA_F

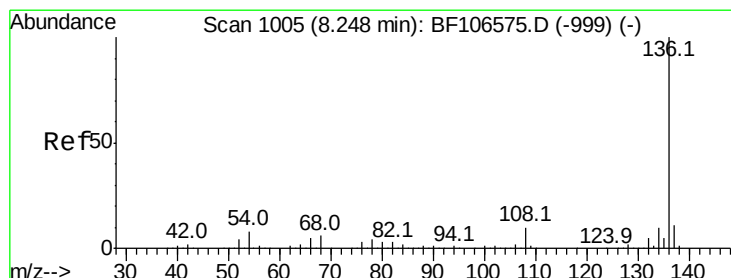
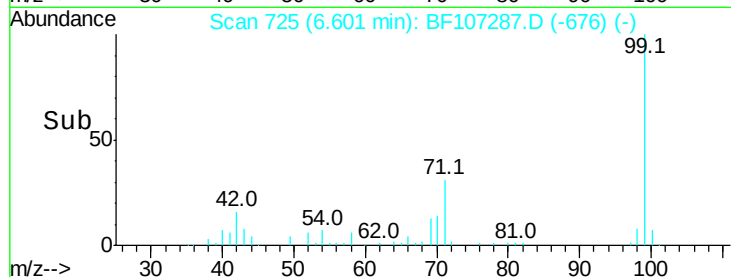
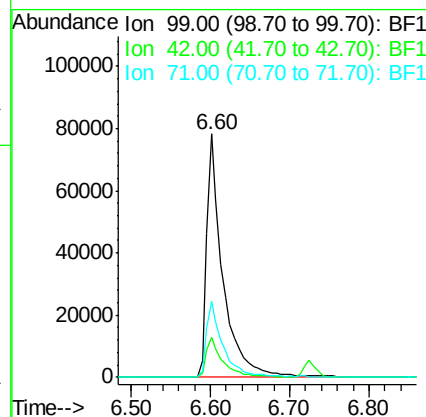
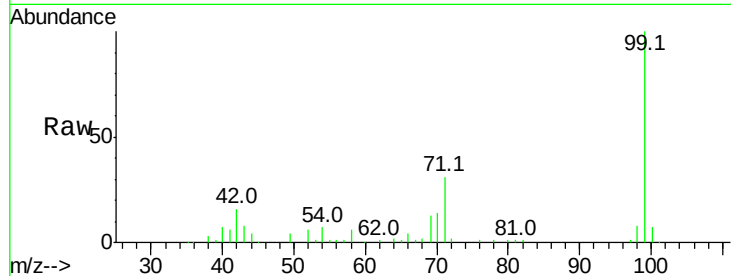
ClientSampled :

B1

Tot Ion:	99	Resp:	112885
Ion Ratio	Lower	Upper	
99	100		
42	16.2	14.5	21.7
71	31.1	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

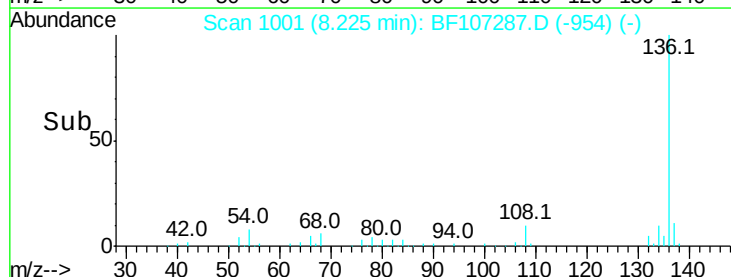
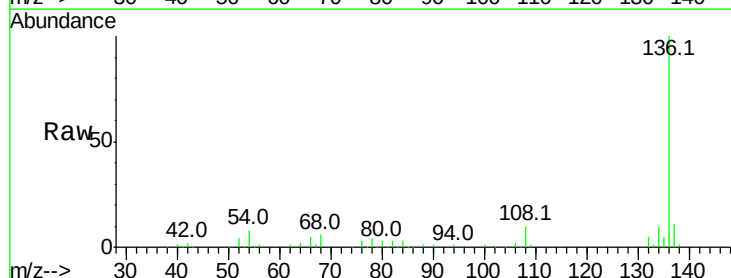
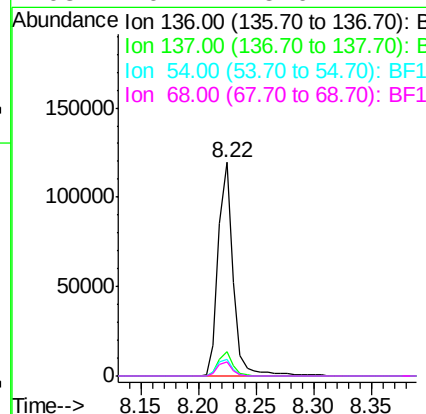
RT: 8.22 min Scan# 1001

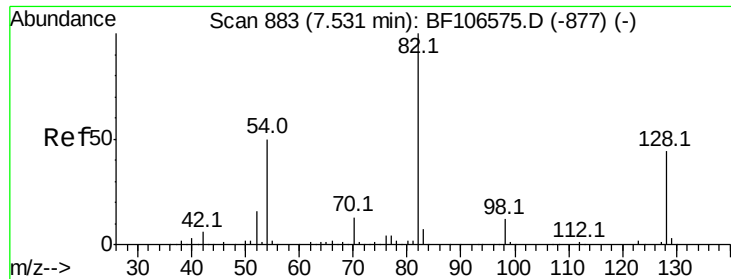
Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Tgt Ion:	136	Resp:	108051
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	8.0	6.6	9.8
68	6.4	5.0	7.4





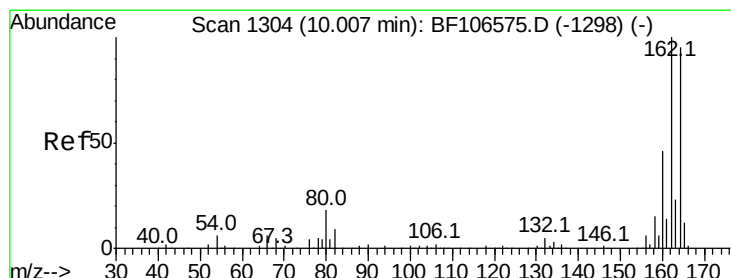
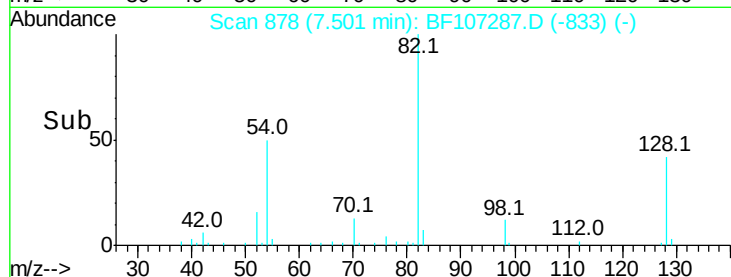
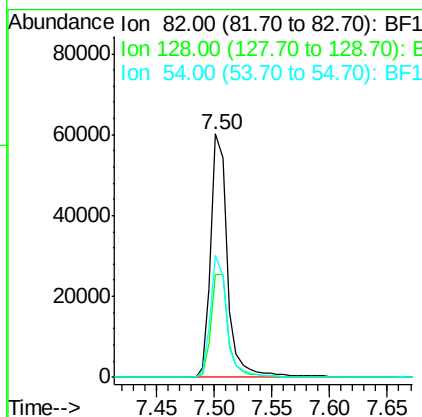
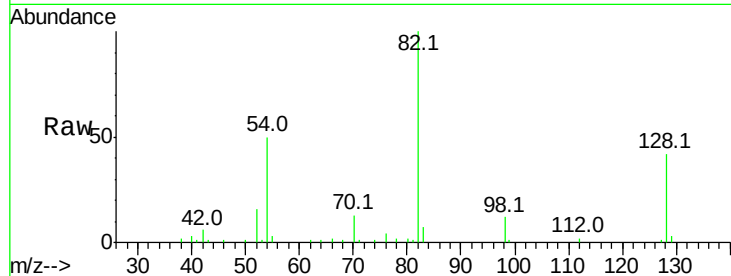
#23
 Nitrobenzene-d5
 Concen: 31.490 ng
 RT: 7.50 min Scan# 878
 Delta R.T. -0.04 min
 Lab File: BF107287.D
 Acq: 10 Jul 2018 21:42

Instrument :
 BNA_F
 ClientSampled :
 B1

Tot Ion	Ratio	Lower	Upper
82	100		
128	42.0	36.1	54.1
54	50.4	41.4	62.2

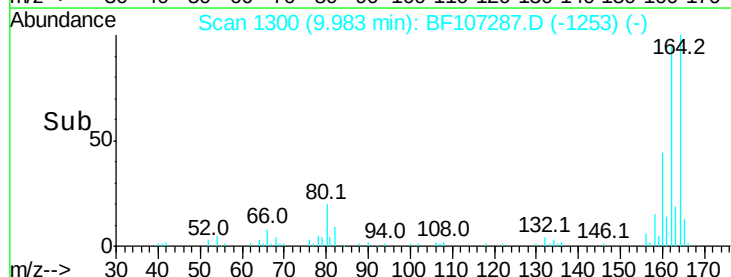
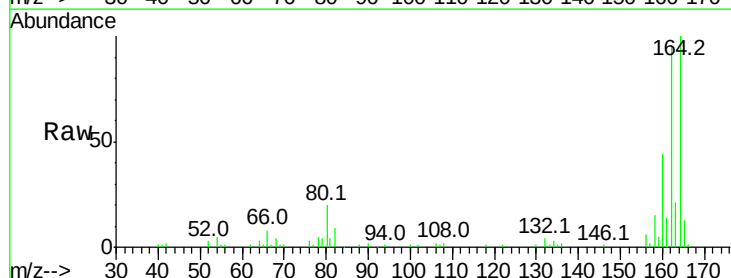
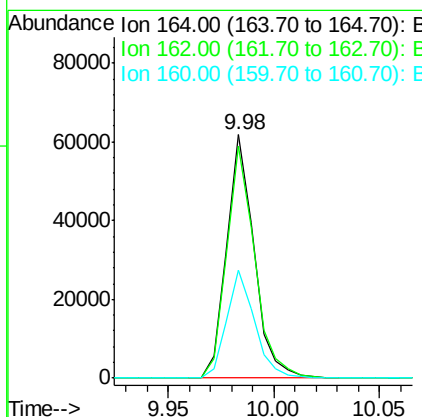
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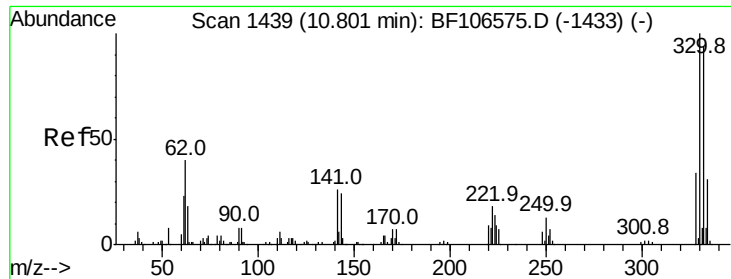
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.98 min Scan# 1300
 Delta R.T. -0.02 min
 Lab File: BF107287.D
 Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	95.5	86.1	129.1
160	44.1	38.3	57.5





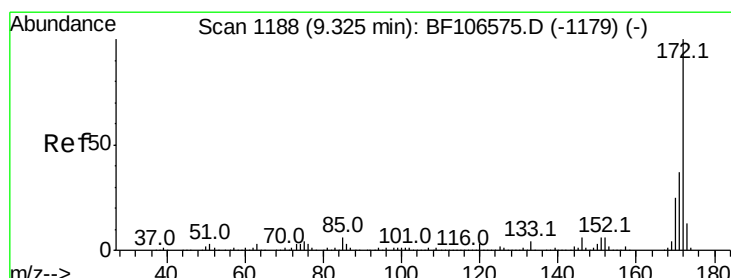
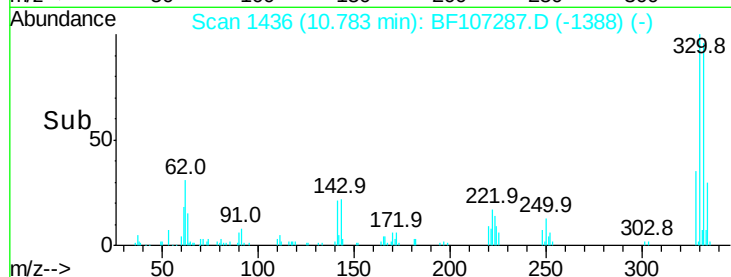
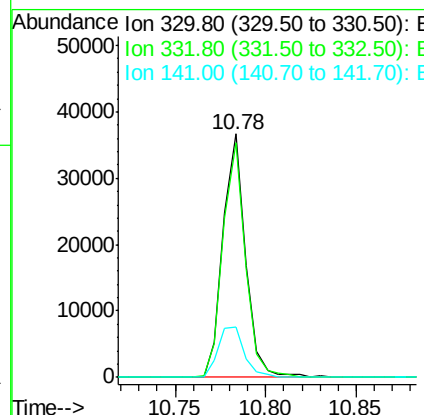
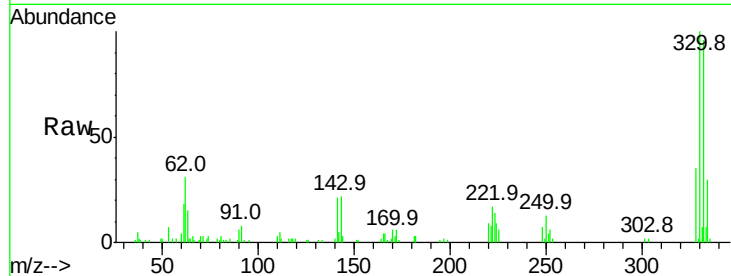
#41
 2,4,6-Tribromophenol
 Concen: 49.696 ng
 RT: 10.78 min Scan# 1436
 Delta R.T. -0.02 min
 Lab File: BF107287.D
 Acq: 10 Jul 2018 21:42

Instrument :
 BNA_F
 ClientSampled :
 B1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.0	115.6
141	23.8	29.9	44.9#

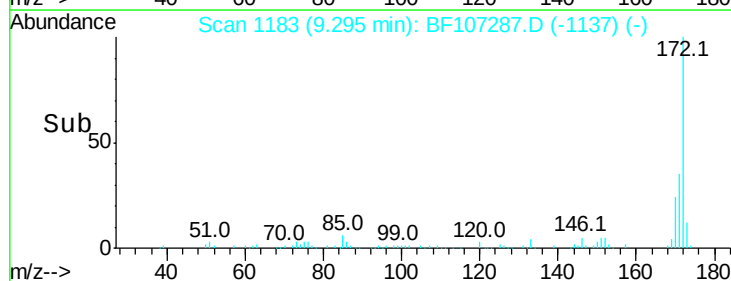
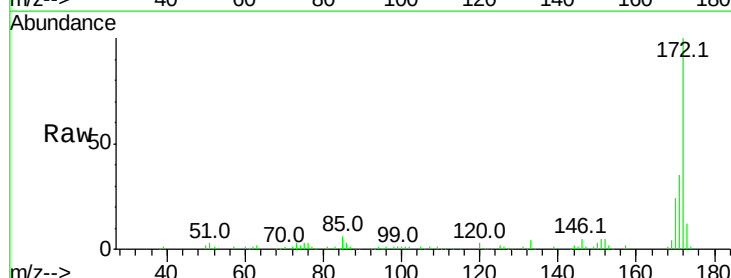
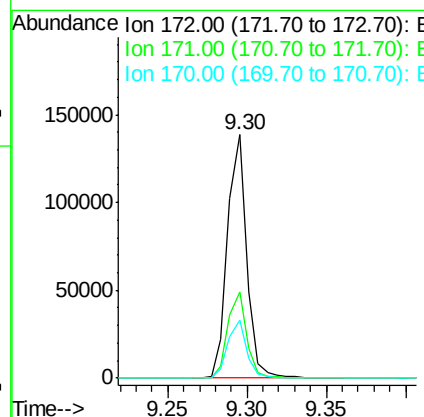
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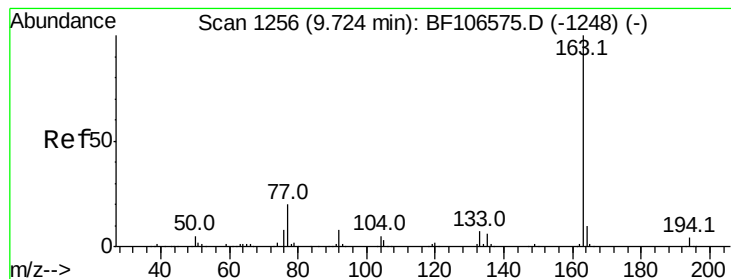
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#44
 2-Fluorobiphenyl
 Concen: 25.240 ng
 RT: 9.30 min Scan# 1183
 Delta R.T. -0.03 min
 Lab File: BF107287.D
 Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.9	19.6	29.4





#49

Dimethylphthalate

Concen: 5.513 ng

RT: 9.69 min Scan# 1250

Delta R.T. -0.04 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA_F

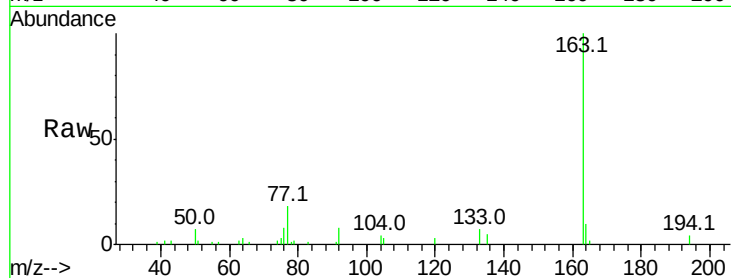
ClientSampled :

B1

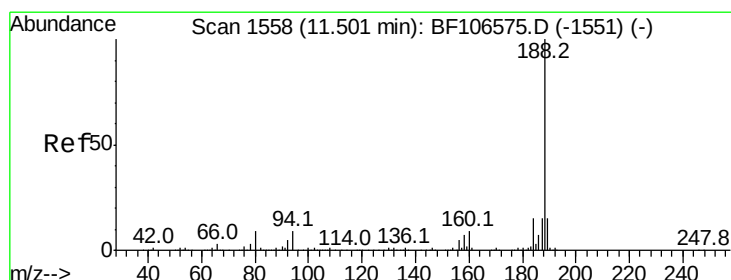
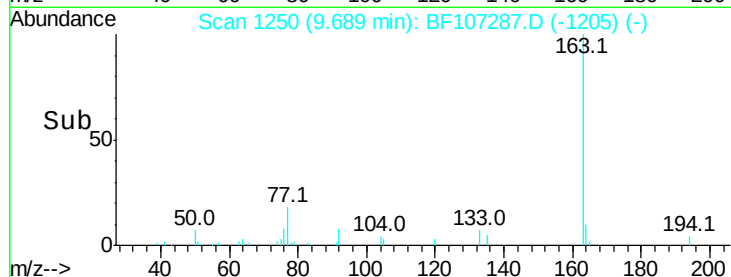
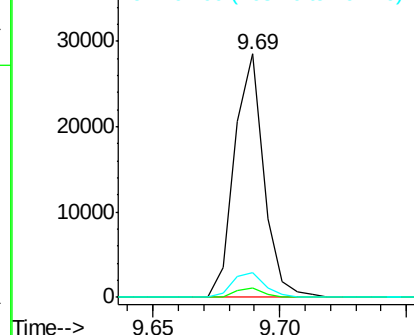
Tot Ion:	163	Resp:	22840
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	10.4	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

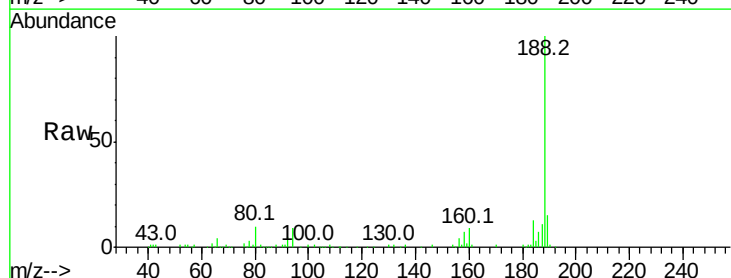
RT: 11.48 min Scan# 1555

Delta R.T. -0.02 min

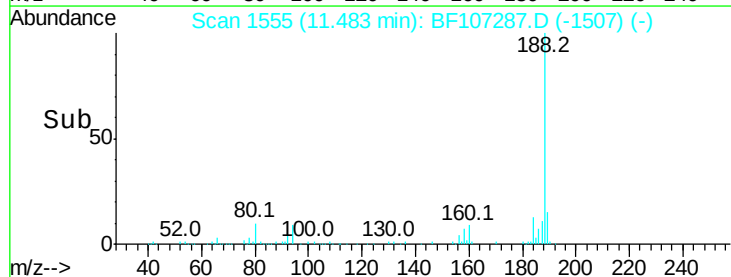
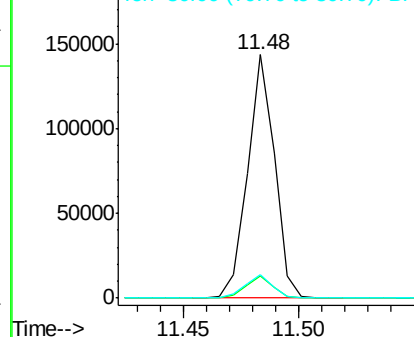
Lab File: BF107287.D

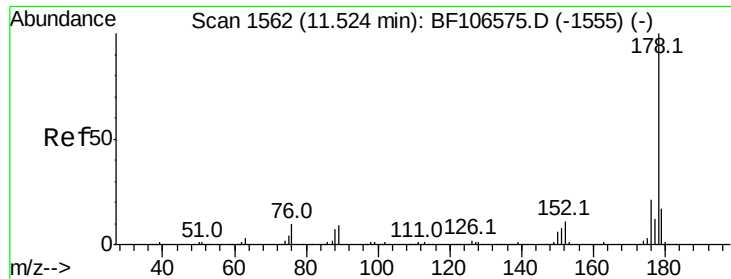
Acq: 10 Jul 2018 21:42

Tgt Ion:	188	Resp:	117230
Ion Ratio	Lower	Upper	
188	100		
94	9.2	8.5	12.7
80	9.6	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





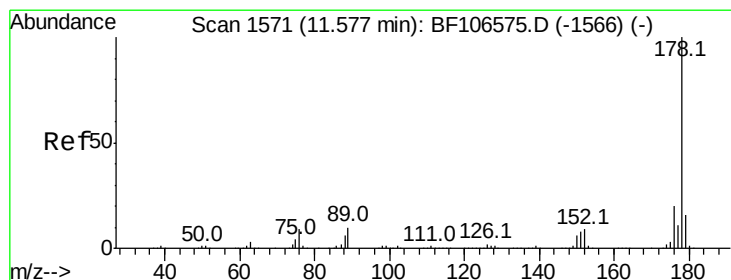
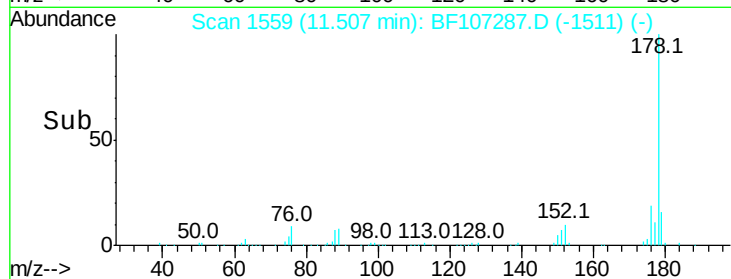
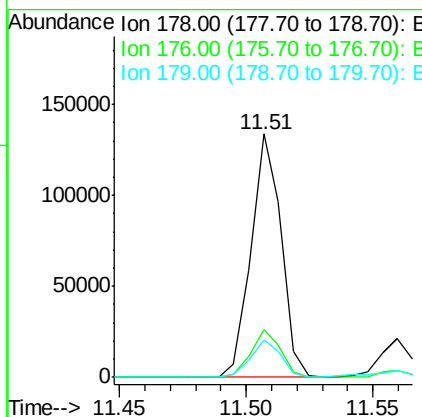
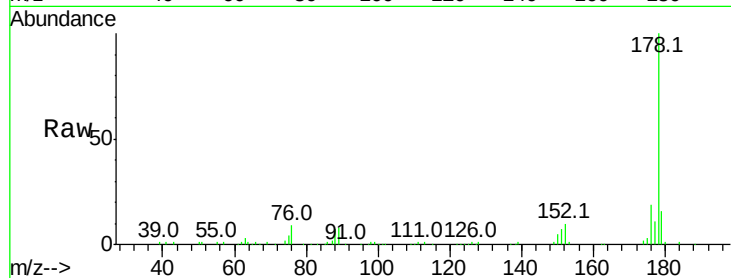
#70
Phenanthrene
Concen: 19.551 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.02 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Instrument :
BNA_F
ClientSampleId :
B1

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	15.5	13.0	19.6

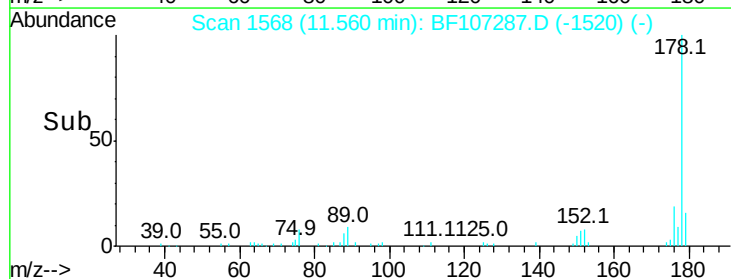
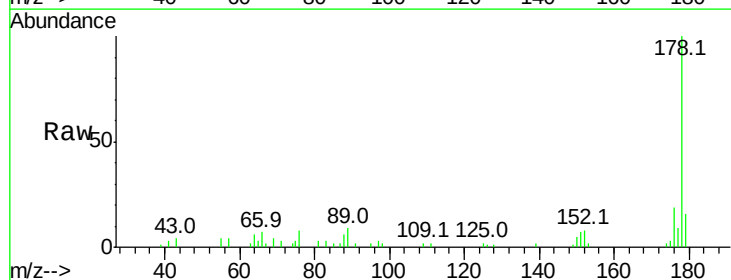
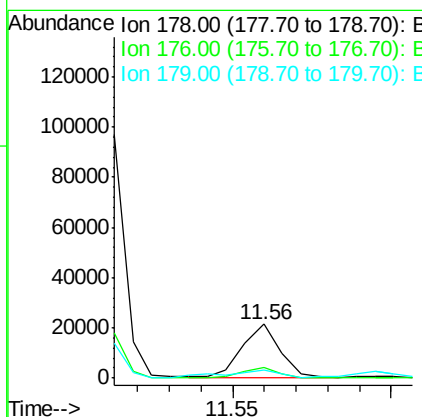
Manual Integrations
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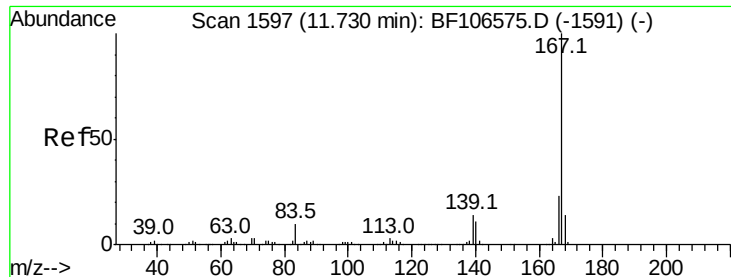
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#71
Anthracene
Concen: 3.050 ng
RT: 11.56 min Scan# 1568
Delta R.T. -0.02 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.0	12.6	19.0





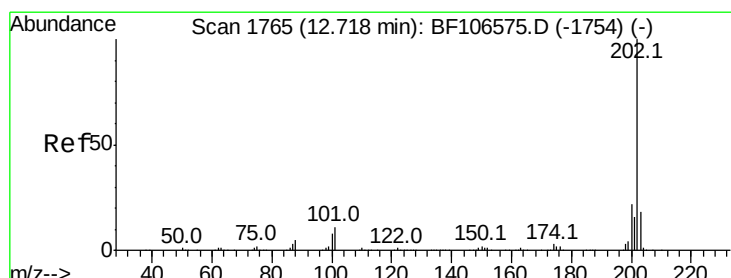
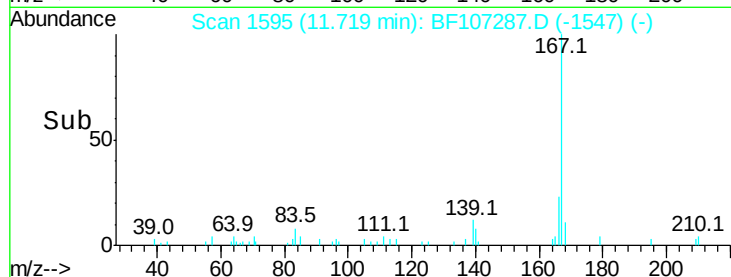
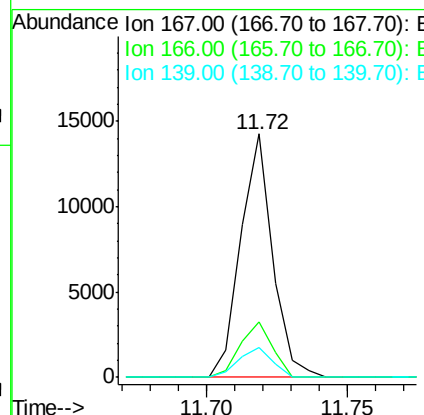
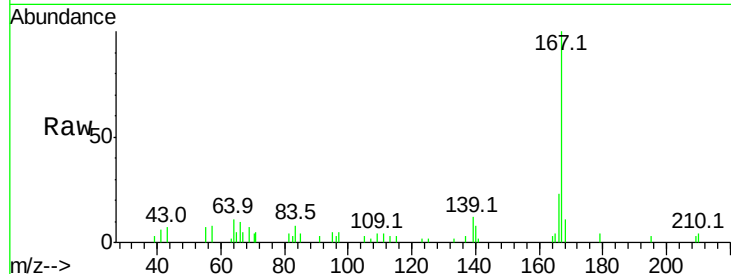
#72
 Carbazole
 Concen: 2.073 ng
 RT: 11.72 min Scan# 1595
 Delta R.T. -0.02 min
 Lab File: BF107287.D
 Acq: 10 Jul 2018 21:42

Instrument :
 BNA_F
 ClientSampleId :
 B1

Tot Ion	Ratio	Lower	Upper
167	100		
166	22.8	17.6	26.4
139	12.5	10.9	16.3

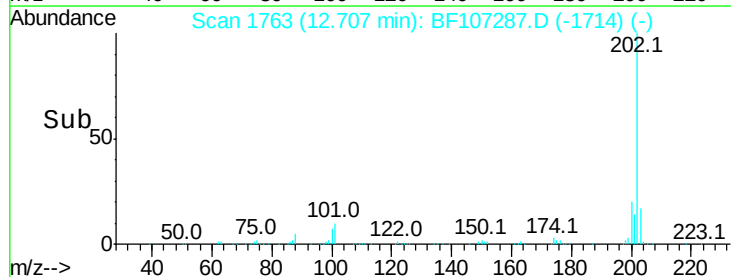
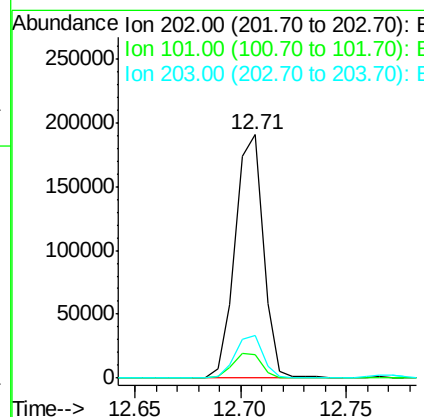
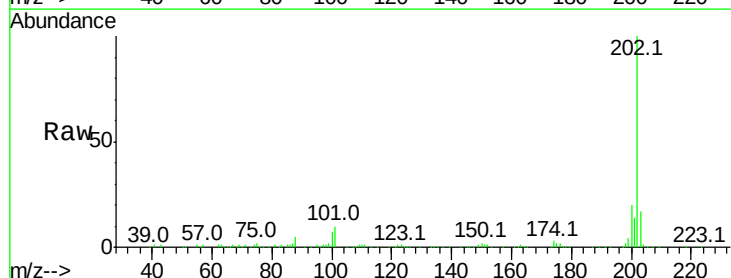
Manual Integrations
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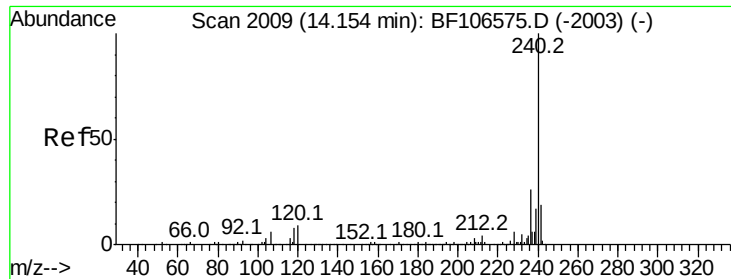
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#74
 Fluoranthene
 Concen: 28.200 ng
 RT: 12.71 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: BF107287.D
 Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.7	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA_F

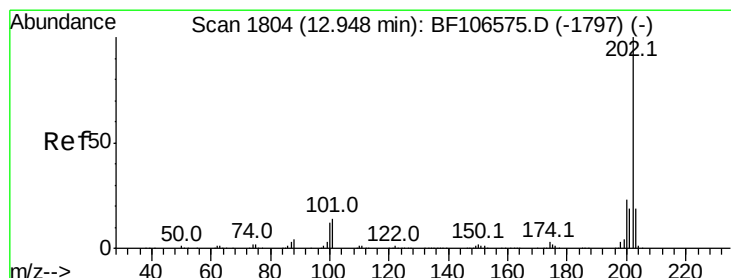
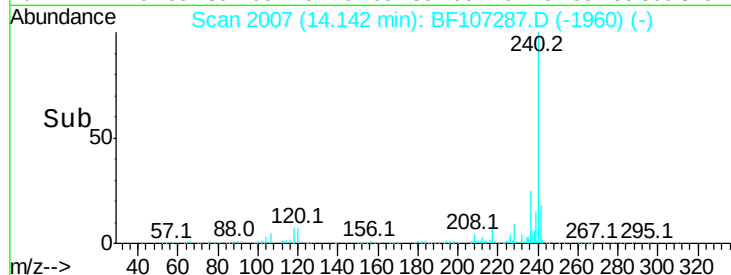
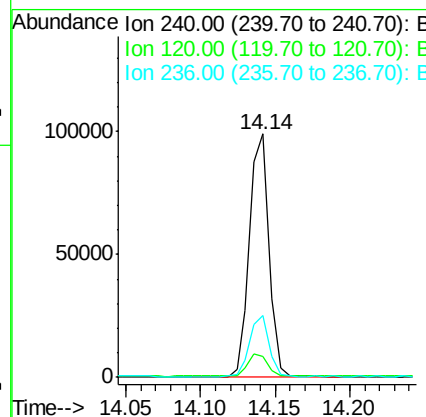
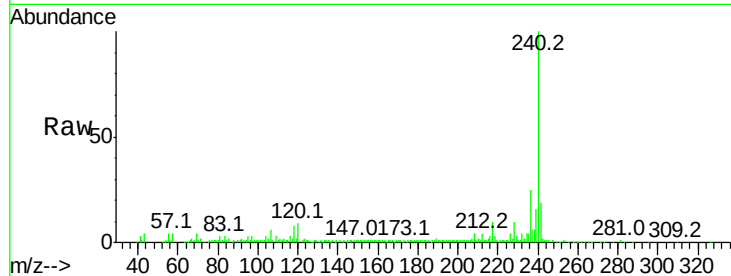
ClientSampleId :

B1

Tot Ion	Ratio	Lower	Upper
240	100		
120	8.6	9.5	14.3#
236	25.3	20.7	31.1

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#77

Pyrene

Concen: 24.016 ng

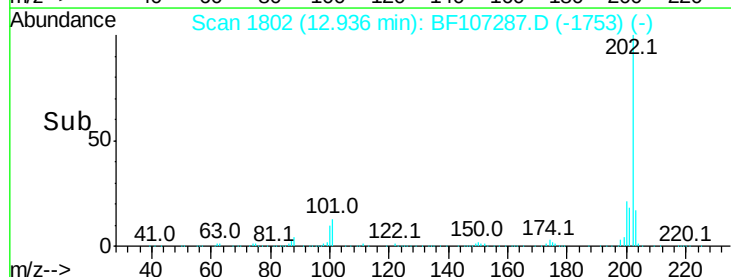
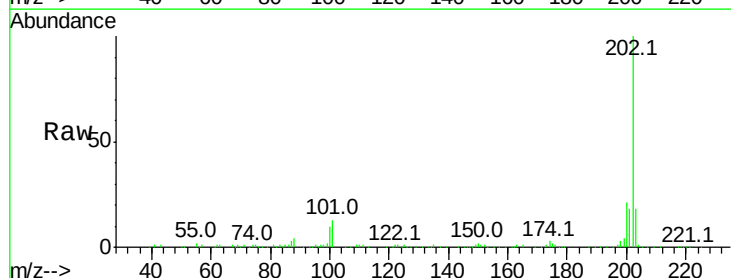
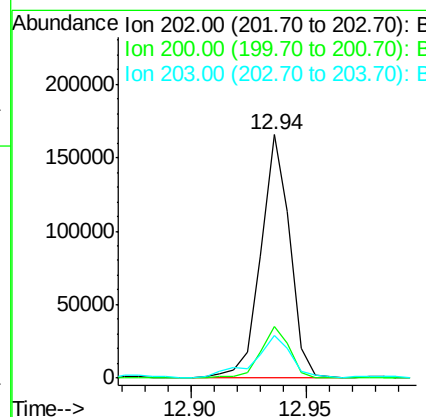
RT: 12.94 min Scan# 1802

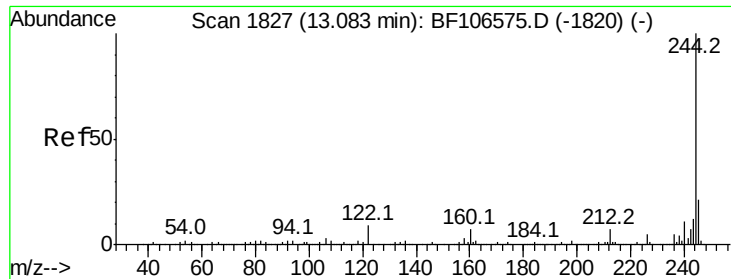
Delta R.T. -0.01 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.6	14.3	21.5





#78

Terphenyl-d14

Concen: 37.909 ng

RT: 13.06 min Scan# 1823

Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA_F

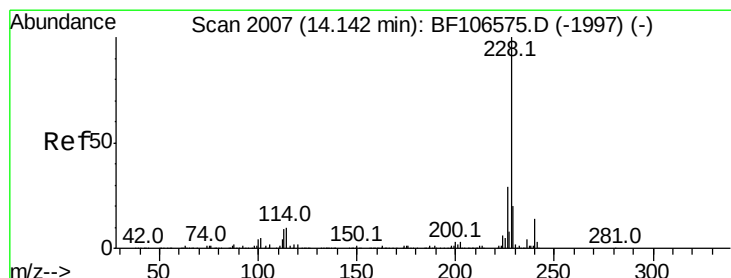
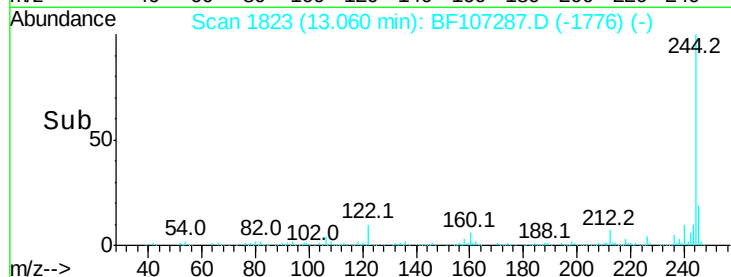
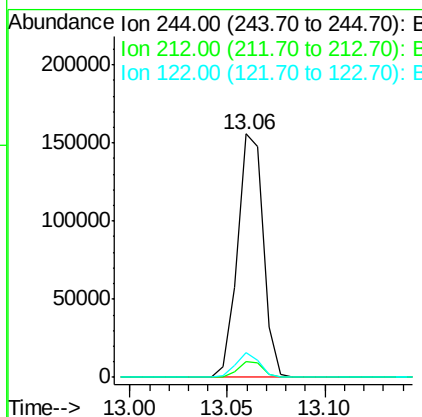
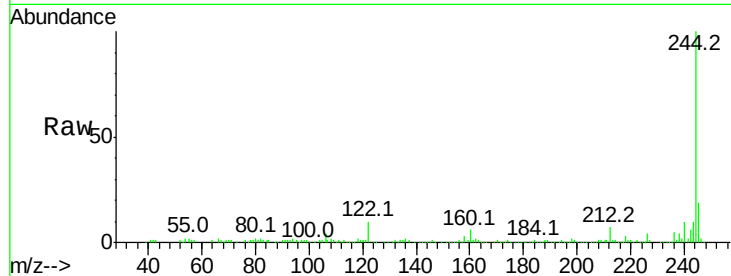
ClientSampleId :

B1

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.9	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 11.349 ng

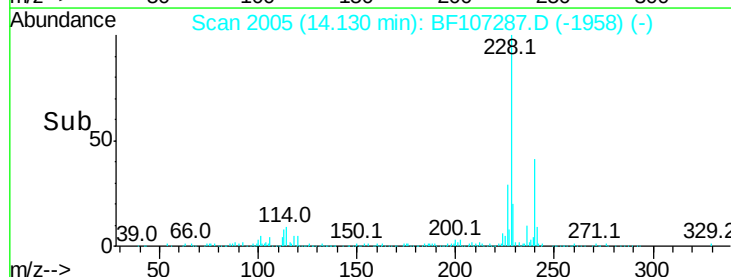
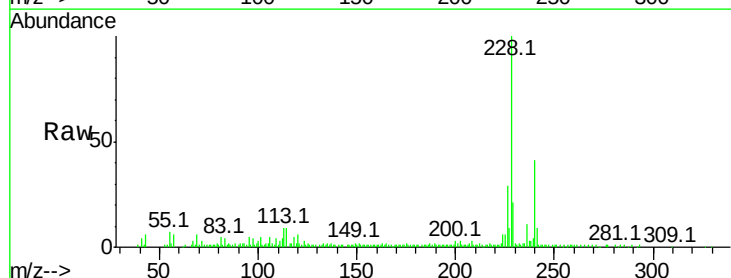
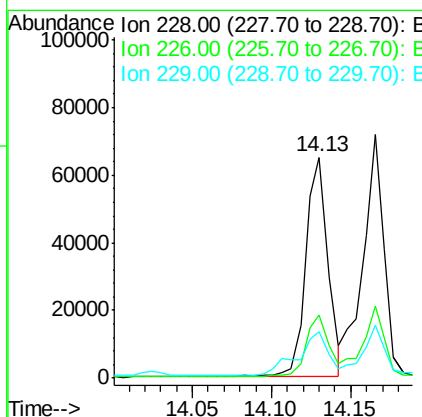
RT: 14.13 min Scan# 2005

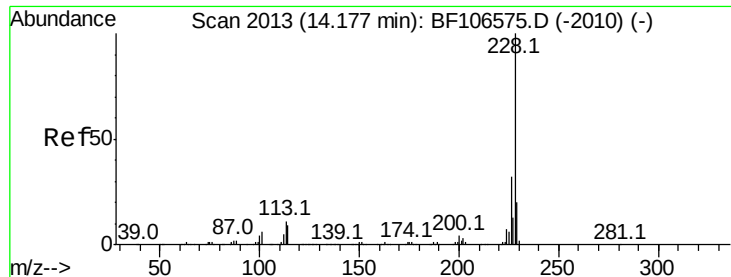
Delta R.T. -0.02 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.1	15.8	23.6





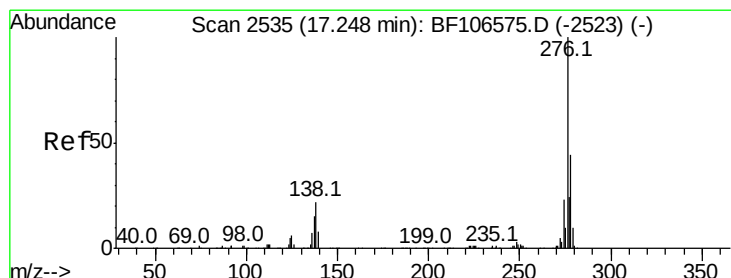
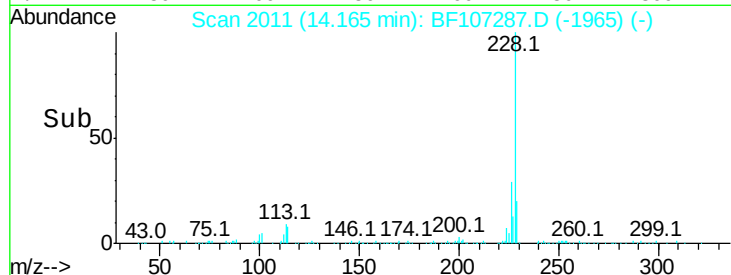
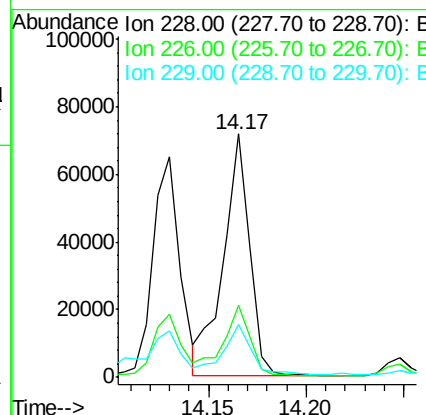
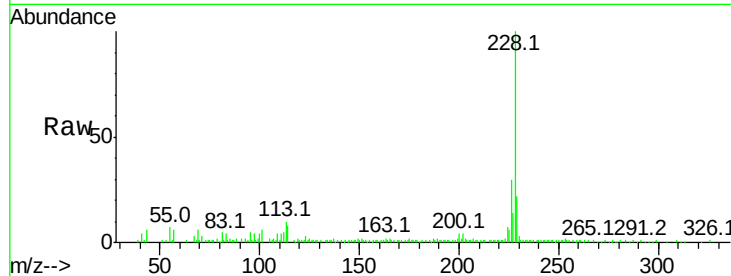
#82
Chrysene
Concen: 13.164 ng
RT: 14.17 min Scan# 2011
Delta R.T. -0.03 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Instrument :
BNA_F
ClientSampled :
B1

Tot Ion:	228	Resp:	67297
Ion Ratio	Lower	Upper	
228	100		
226	29.7	25.0	37.6
229	22.0	16.2	24.4

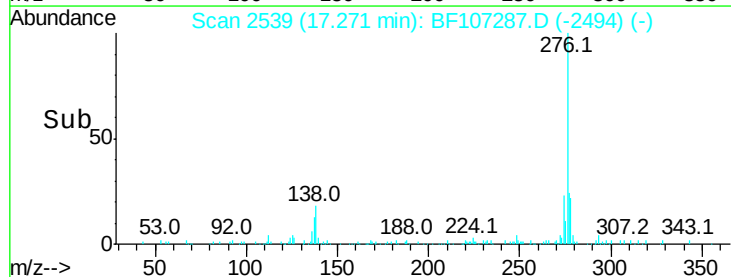
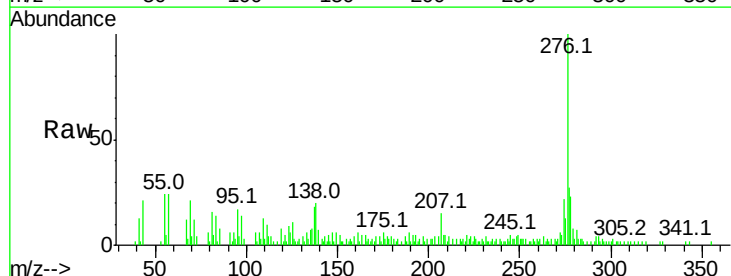
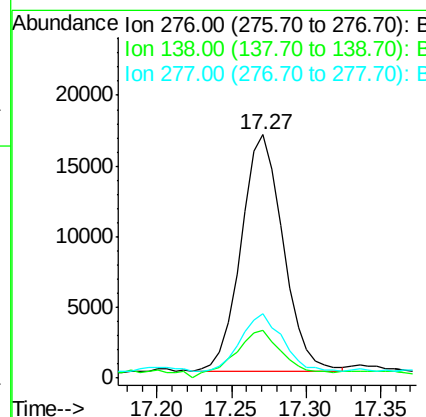
Manual Integrations
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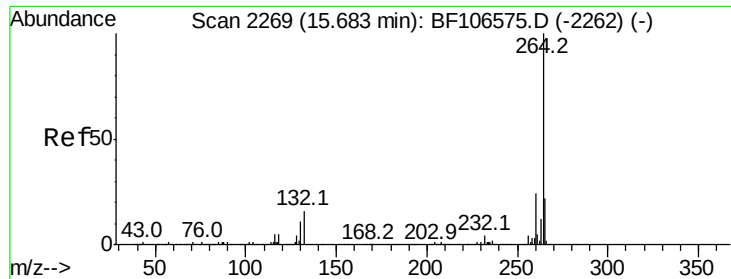
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#85
Indeno(1,2,3-cd)pyrene
Concen: 7.542 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.04 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Tgt Ion:	276	Resp:	32721
Ion Ratio	Lower	Upper	
276	100		
138	24.7	25.0	37.6#
277	25.1	20.1	30.1





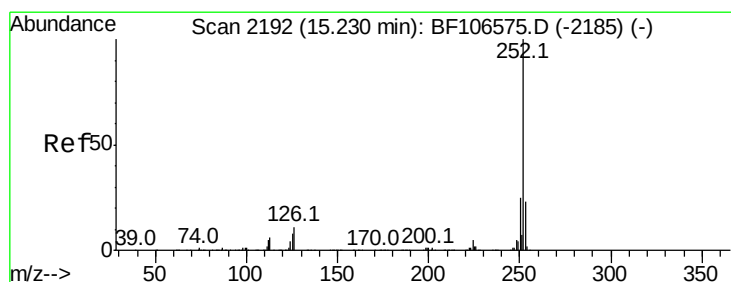
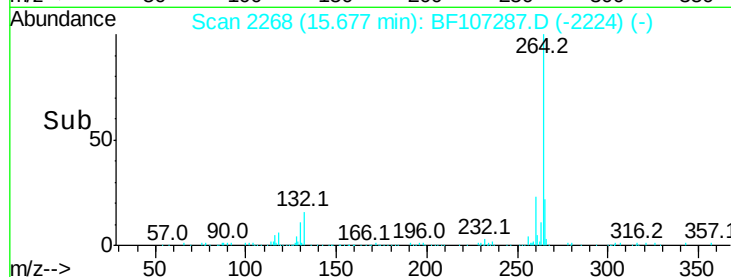
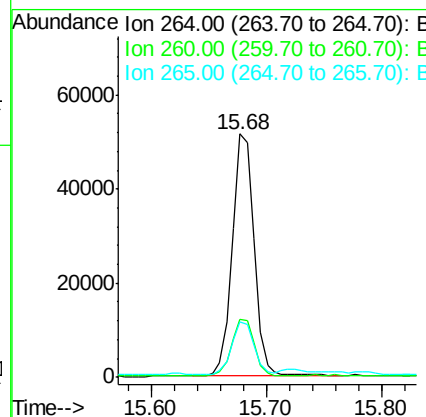
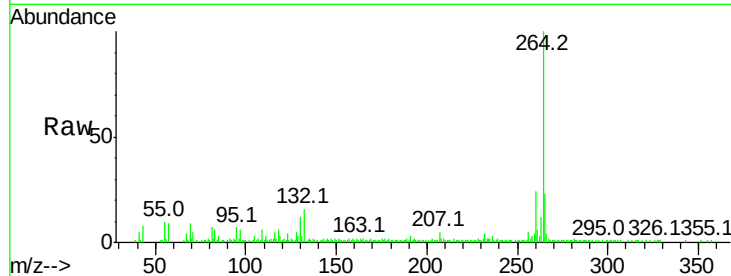
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.04 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Instrument :
BNA_F
ClientSampleId :
B1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	23.0	17.5	26.3

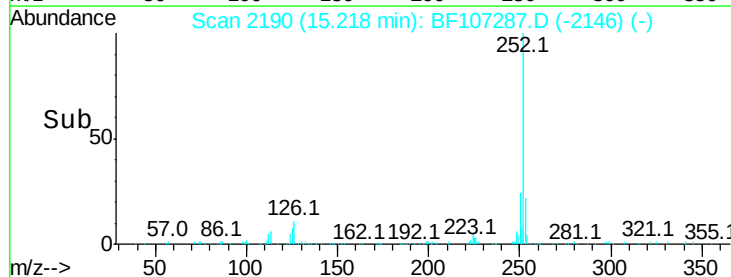
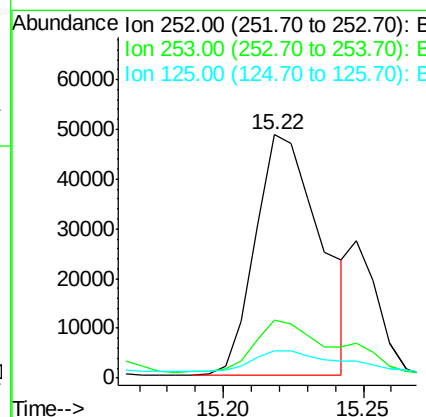
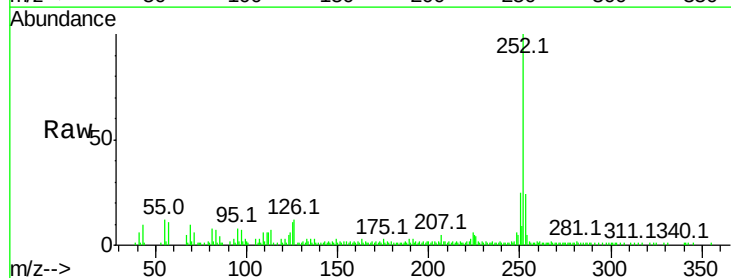
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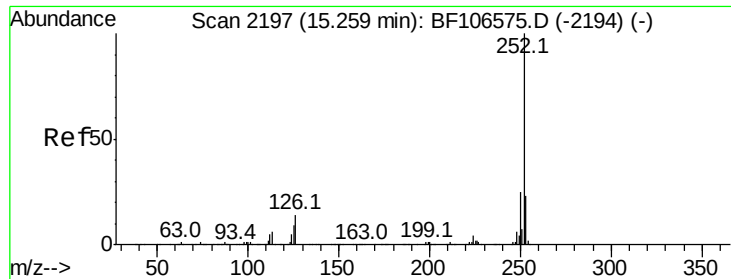
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#87
Benzo(b)fluoranthene
Concen: 18.697 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	11.4	9.0	13.6





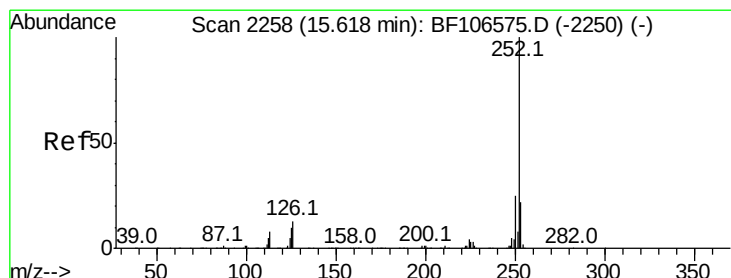
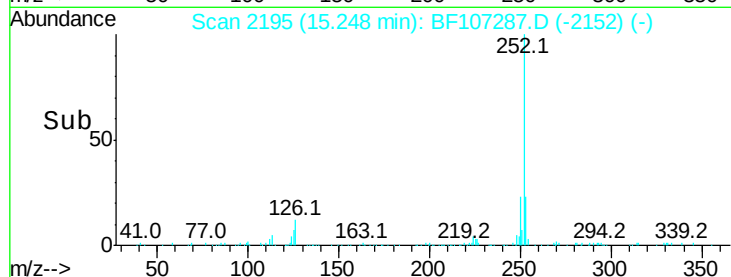
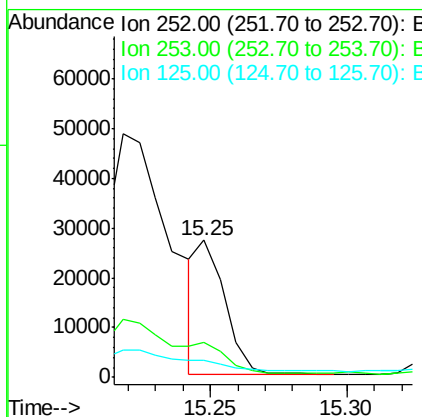
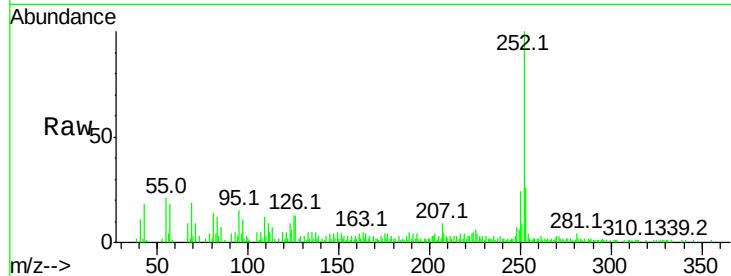
#88
Benzo(k)fluoranthene
Concen: 4.857 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Instrument :
BNA_F
ClientSampled :
B1

Tot Ion	Ratio	Lower	Upper
252	100		
253	25.5	17.9	26.9
125	12.5	10.2	15.2

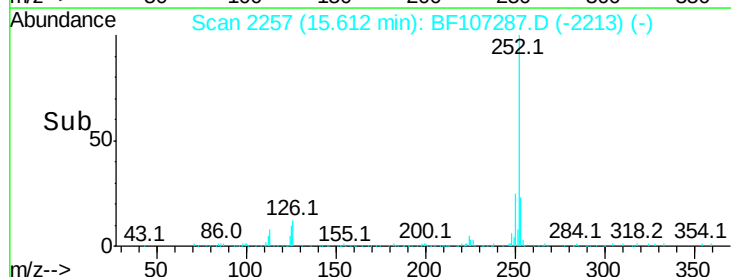
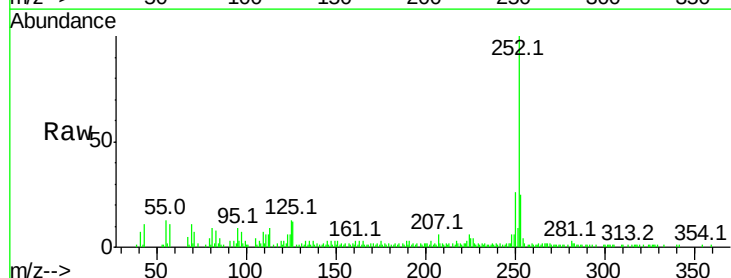
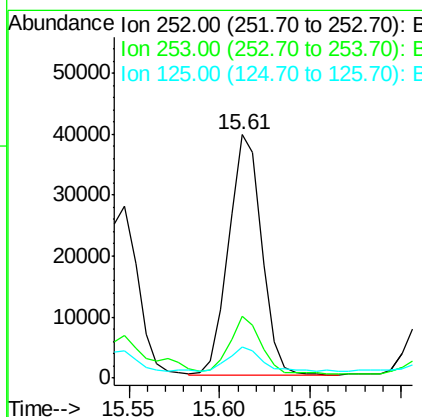
Manual Integrations
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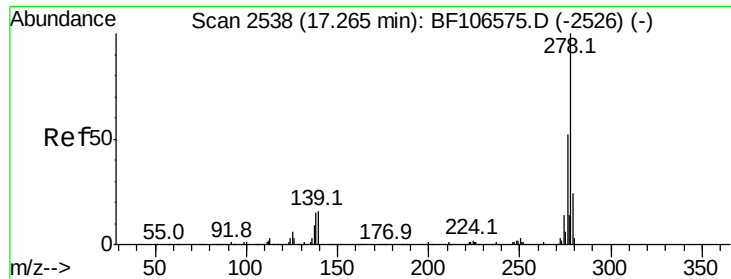
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#89
Benzo(a)pyrene
Concen: 13.438 ng
RT: 15.61 min Scan# 2257
Delta R.T. -0.04 min
Lab File: BF107287.D
Acq: 10 Jul 2018 21:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.1	25.7
125	12.7	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 2.704 ng

RT: 17.27 min Scan# 2539

Delta R.T. -0.05 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Instrument :

BNA_F

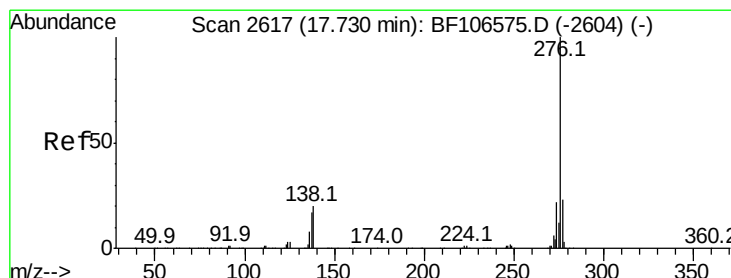
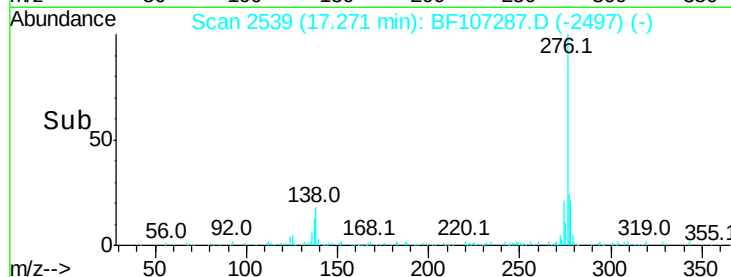
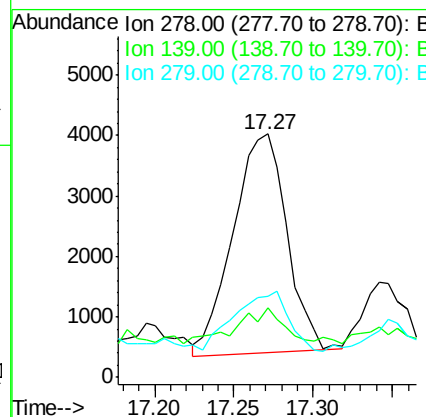
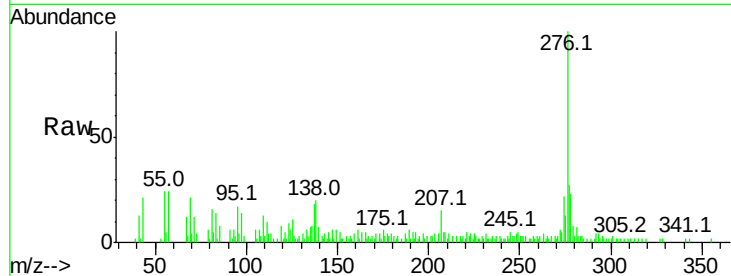
ClientSampled :

B1

Tot Ion:278	Resp:	8555
Ion Ratio	Lower	Upper
278	100	
139	28.3	15.9 23.9#
279	33.3	19.0 28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 10.297 ng

RT: 17.76 min Scan# 2622

Delta R.T. -0.03 min

Lab File: BF107287.D

Acq: 10 Jul 2018 21:42

Tgt Ion:276	Resp:	31840
Ion Ratio	Lower	Upper
276	100	
277	26.4	17.9 26.9
138	19.2	21.8 32.8#

