

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062718\
 Data File : BF106867.D
 Acq On : 27 Jun 2018 13:12
 Operator : JU/SJ
 Sample : J3684-10
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleID :
 TP-1-D

Manual Integrations
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Quant Time: Jun 27 14:31:45 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 25 18:50:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	47352	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	184788	20.00	ng	-0.01
38) Acenaphthene-d10	10.00	164	96553	20.00	ng	-0.01
63) Phenanthrene-d10	11.49	188	195869	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	140996	20.00	ng	-0.02
86) Perylene-d12	15.70	264	144480	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	278437	99.57	ng	0.00
7) Phenol-d6	6.60	99	359312	102.89	ng	-0.02
23) Nitrobenzene-d5	7.52	82	225695	67.88	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	127342	113.79	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	386402	64.11	ng	-0.02
78) Terphenyl-d14	13.07	244	431553	74.14	ng	-0.01
Target Compounds						
10) Phenol	6.61	94	8214	2.061	ng	90
49) Dimethylphthalate	9.70	163	86060	11.884	ng	98
51) Acenaphthene	10.02	154	13320	2.212	ng	97
57) Fluorene	10.54	166	21139	3.231	ng	97
70) Phenanthrene	11.51	178	238513	25.247	ng	99
71) Anthracene	11.57	178	67831	7.034	ng	99
74) Fluoranthene	12.71	202	370031	35.537	ng	93
77) Pyrene	12.94	202	331278	35.630	ng	99
80) Benzo(a)anthracene	14.14	228	162710	18.934	ng	99
82) Chrysene	14.18	228	143410	18.140	ng	97
85) Indeno(1,2,3-cd)pyrene	17.28	276	73294	10.925	ng	# 87
87) Benzo(b)fluoranthene	15.25	252	180136m	20.071	ng	
88) Benzo(k)fluoranthene	15.27	252	47483m	5.556	ng	
89) Benzo(a)pyrene	15.57	252	77947	9.770	ng	98
90) Dibenzo(a,h)anthracene	17.28	278	19941	2.949	ng	# 70
91) Benzo(g,h,i)perylene	17.75	276	66260	10.026	ng	# 89

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



#1

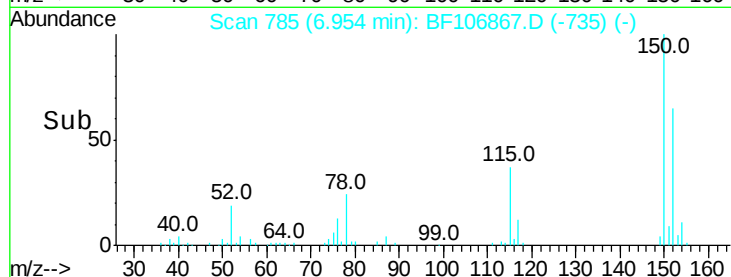
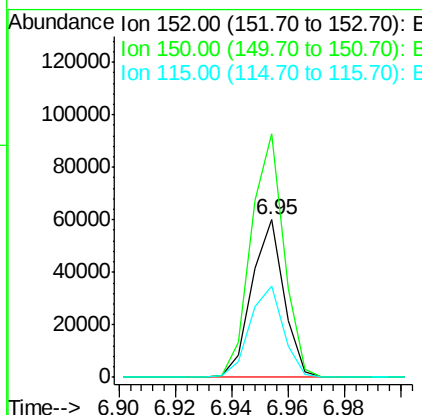
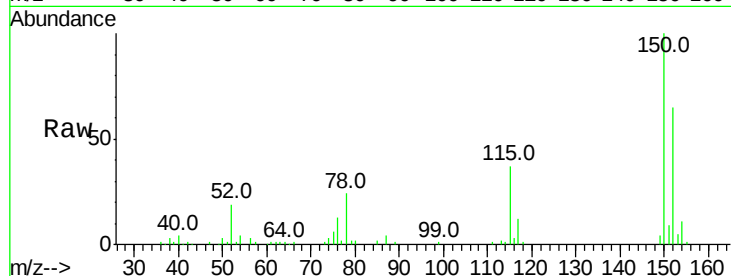
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF106867.D
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Tot Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.6	186.8
115	57.6	50.1	75.1

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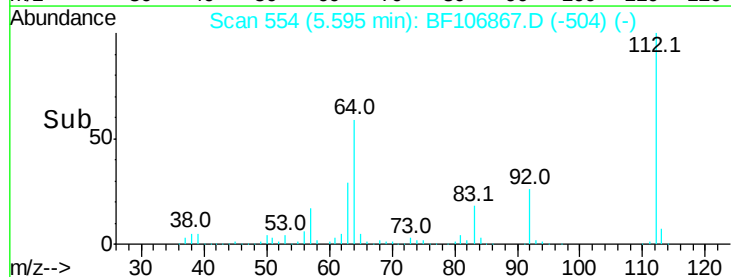
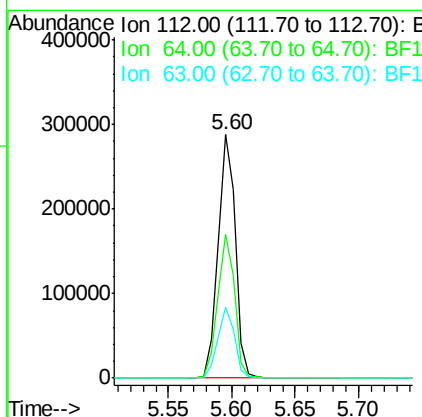
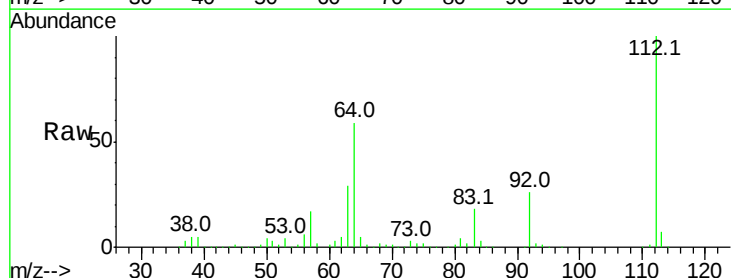
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#5

2-Fluorophenol
Concen: 99.570 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.9	71.9
63	29.0	23.7	35.5





#7

Phenol-d6

Concen: 102.891 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF106867.D

Acq: 27 Jun 2018 13:12

Instrument :

BNA_F

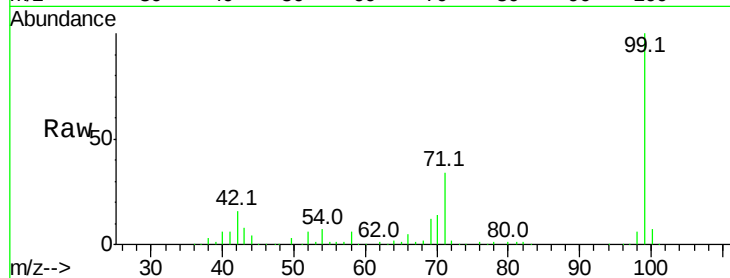
ClientSampled :

TP-1-D

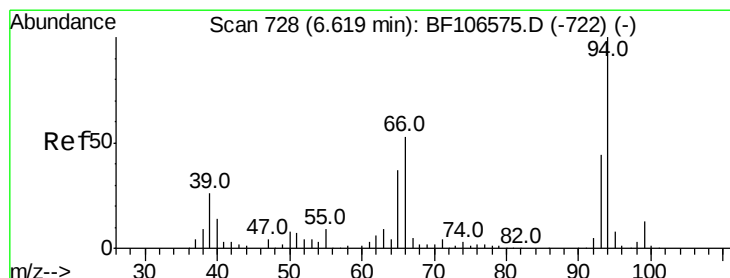
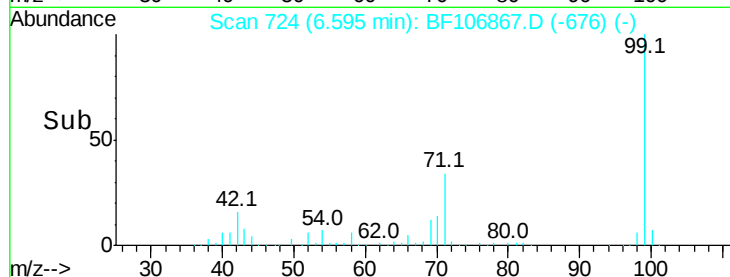
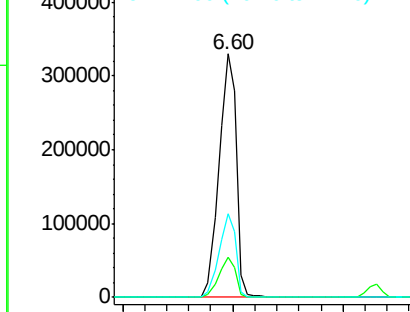
Tot Ion:	99	Resp:	359312
Ion Ratio	Lower	Upper	
99	100		
42	16.5	14.5	21.7
71	34.4	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.061 ng

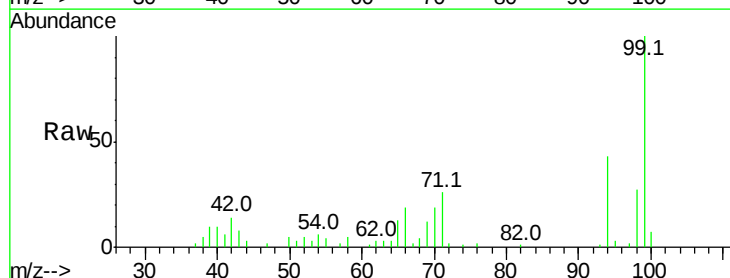
RT: 6.61 min Scan# 726

Delta R.T. -0.02 min

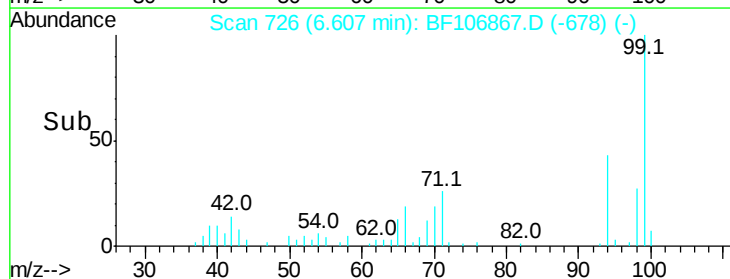
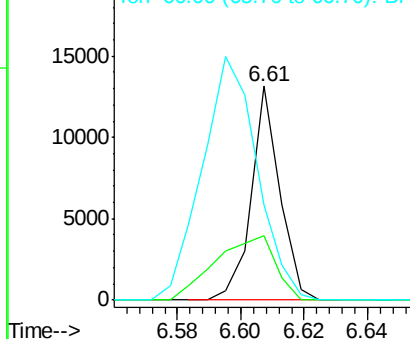
Lab File: BF106867.D

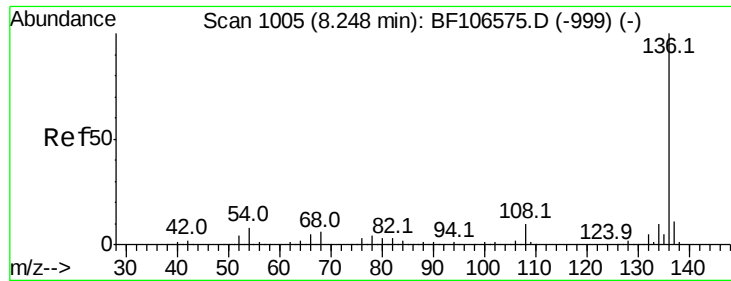
Acq: 27 Jun 2018 13:12

Tgt Ion:	94	Resp:	8214
Ion Ratio	Lower	Upper	
94	100		
65	30.0	7.9	47.9
66	44.7	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





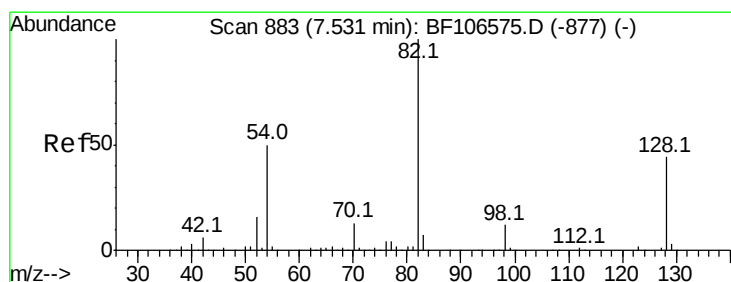
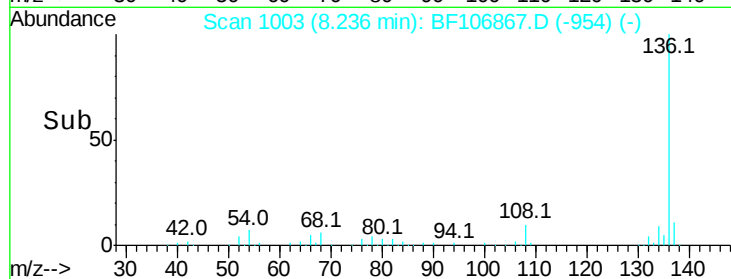
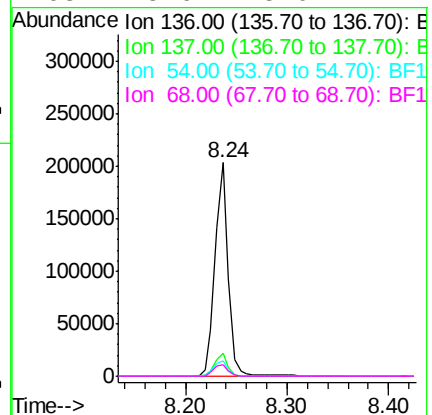
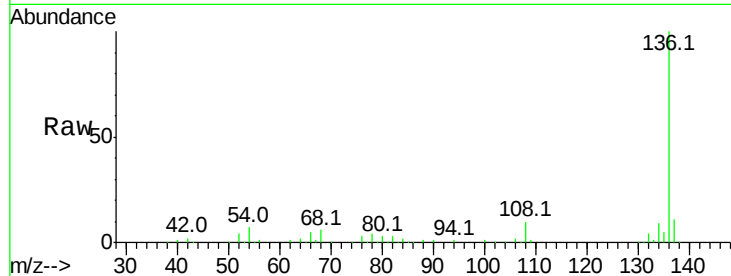
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	7.5	6.6	9.8	
68	5.6	5.0	7.4	

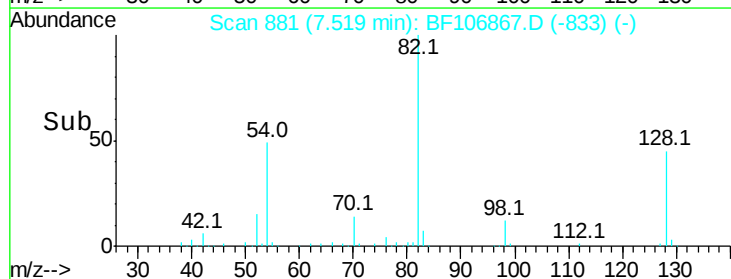
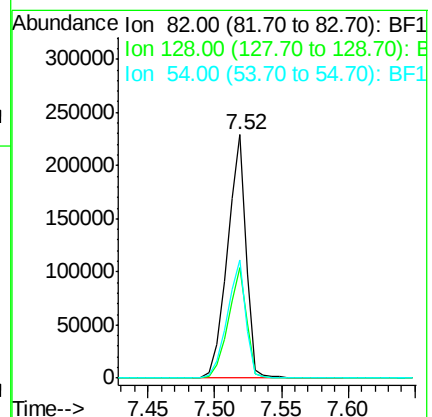
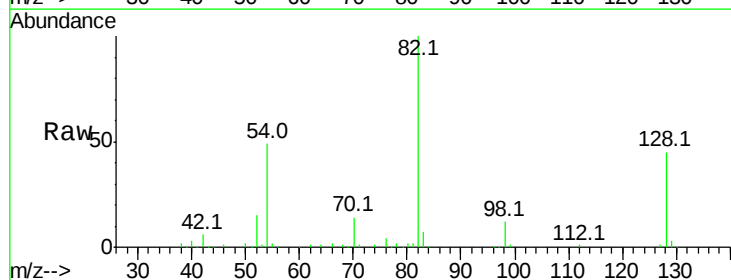
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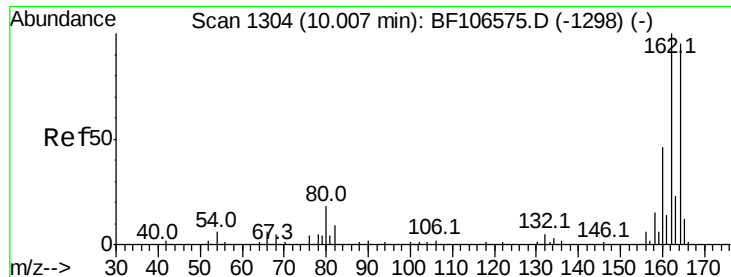
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#23
Nitrobenzene-d5
Concen: 67.876 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	45.4	36.1	54.1	
54	48.7	41.4	62.2	





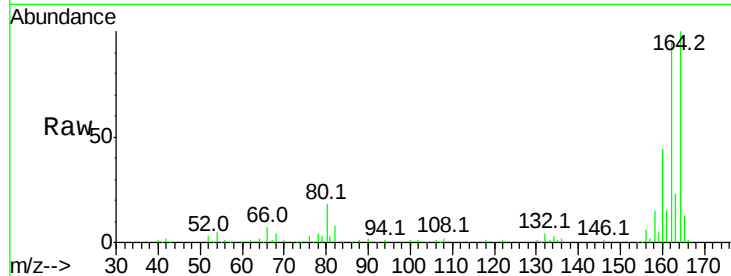
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Instrument :
BNA_F
ClientSampleId :
TP-1-D

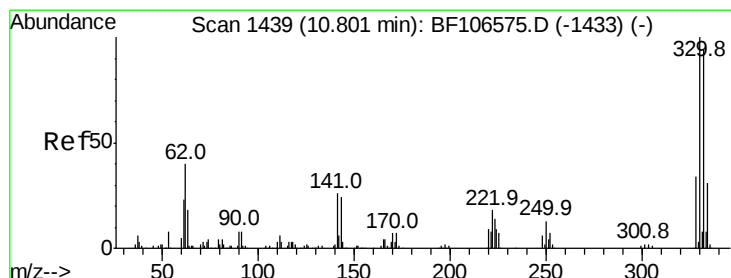
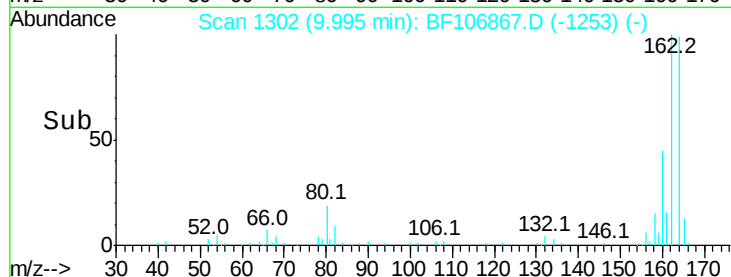
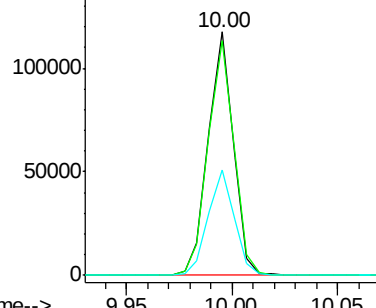
Tot Ion	Ratio	Lower	Upper
164	100		
162	96.3	86.1	129.1
160	43.5	38.3	57.5

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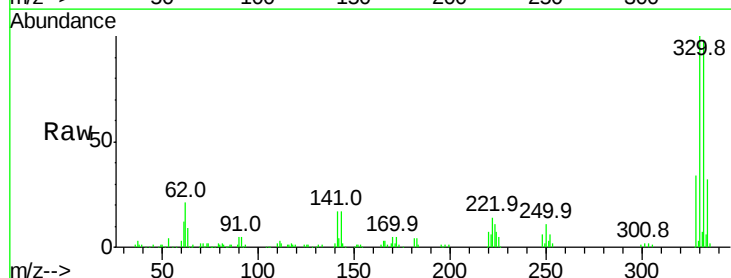


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

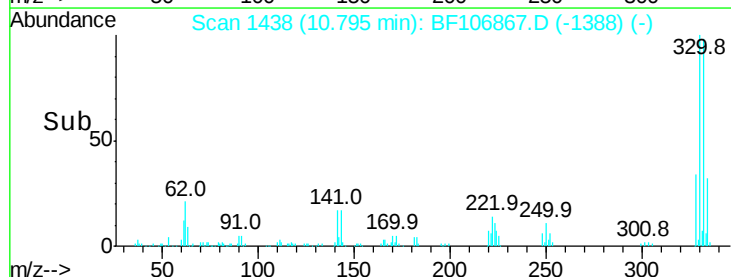
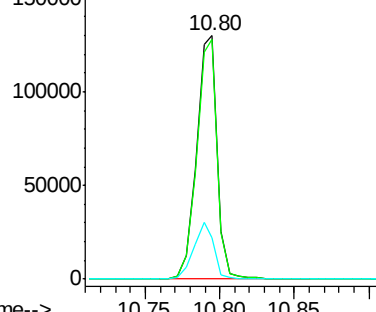


#41
2,4,6-Tribromophenol
Concen: 113.792 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	22.9	29.9	44.9#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





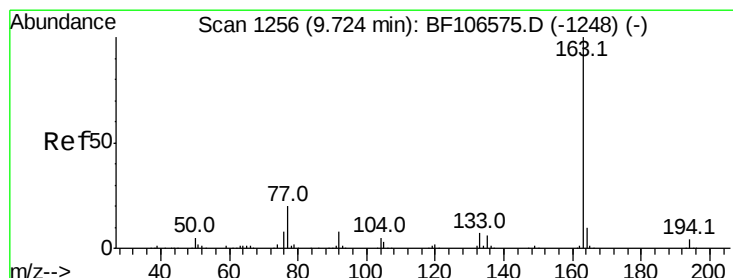
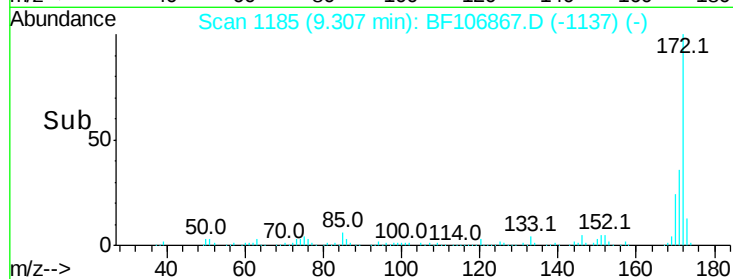
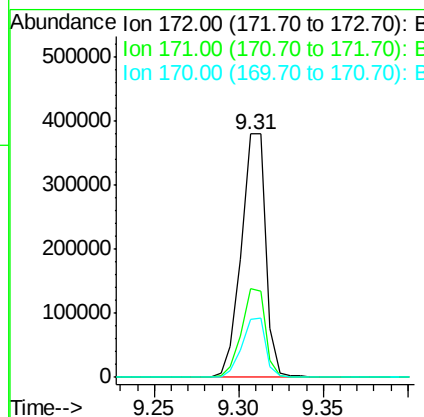
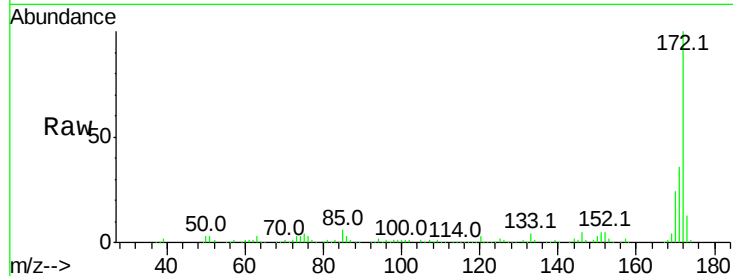
#44
2-Fluorobiphenyl
Concen: 64.114 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.02 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Instrument :
BNA_F
ClientSampled :
TP-1-D

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.5	29.7	44.5	
170	24.0	19.6	29.4	

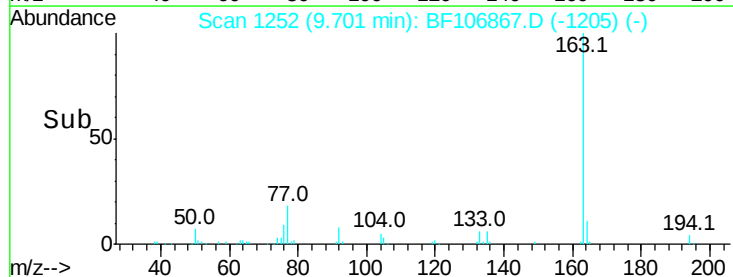
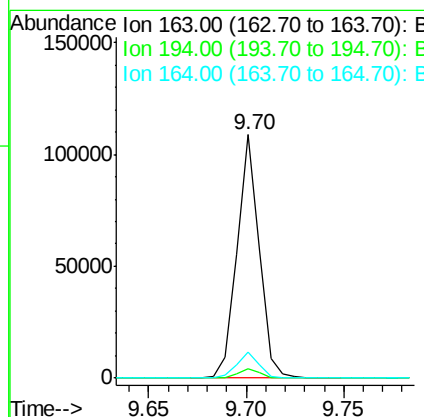
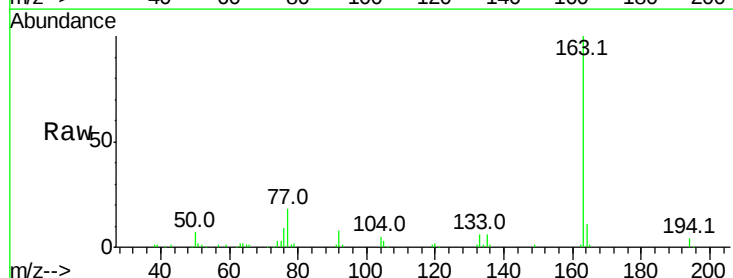
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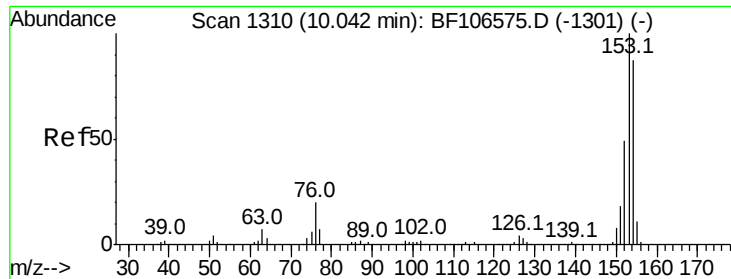
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#49
Dimethylphthalate
Concen: 11.884 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF106867.D
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Tgt Ion	Ratio	Resp	Lower	Upper
163	100			
194	3.8	2.7	4.1	
164	10.8	8.2	12.2	





#51

Acenaphthene

Concen: 2.212 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.02 min

Lab File: BF106867.D

Acq: 27 Jun 2018 13:12

Instrument :

BNA_F

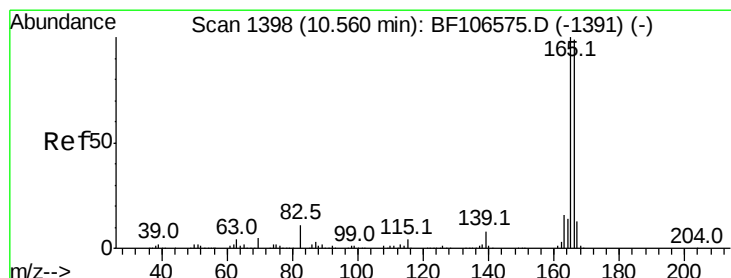
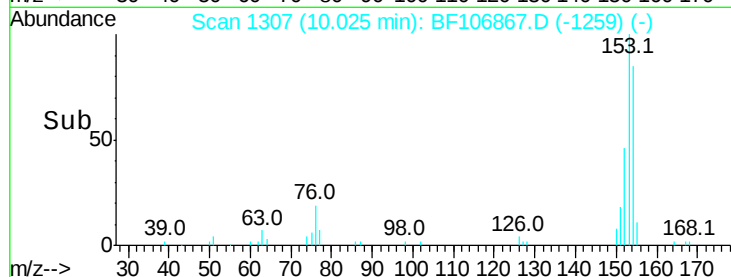
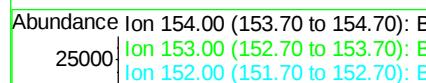
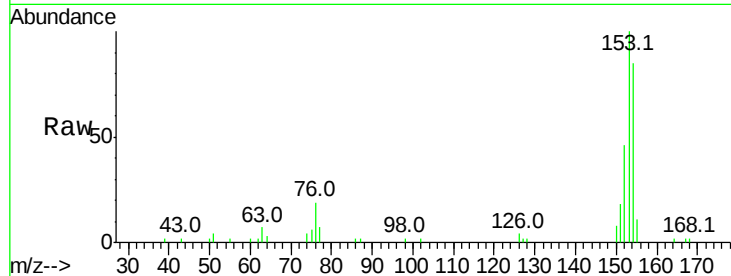
ClientSampled :

TP-1-D

Tot Ion:	154	Resp:	13320
Ion Ratio	Lower	Upper	
154	100		
153	117.1	91.2	136.8
152	53.5	43.8	65.8

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#57

Fluorene

Concen: 3.231 ng

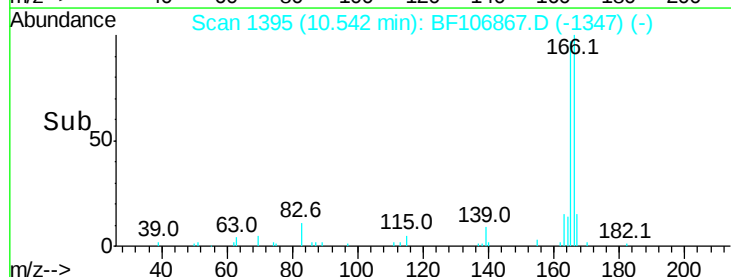
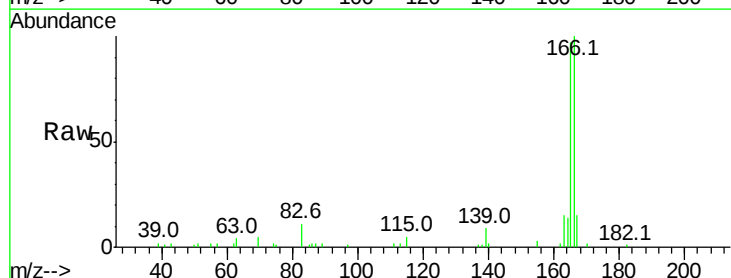
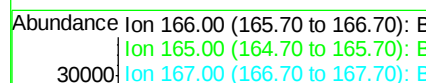
RT: 10.54 min Scan# 1395

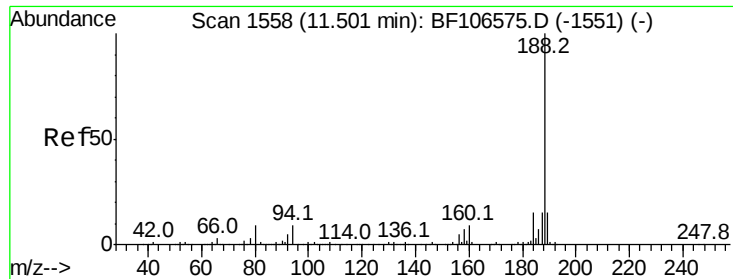
Delta R.T. -0.02 min

Lab File: BF106867.D

Acq: 27 Jun 2018 13:12

Tgt Ion:	166	Resp:	21139
Ion Ratio	Lower	Upper	
166	100		
165	97.2	79.8	119.8
167	15.0	10.6	16.0





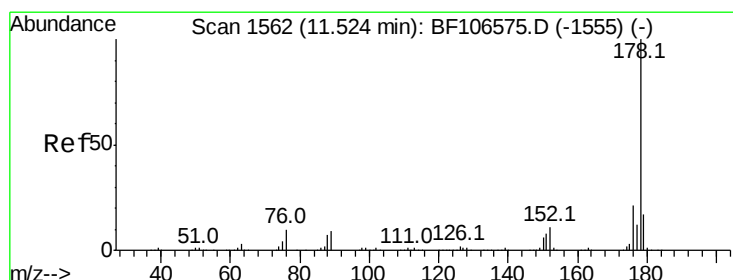
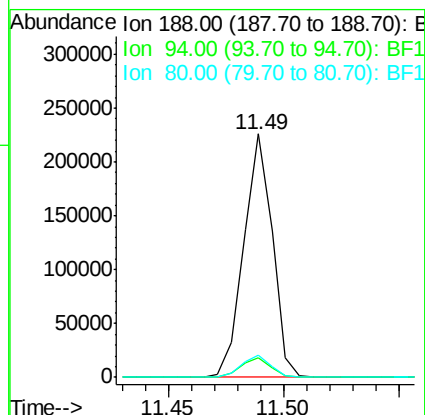
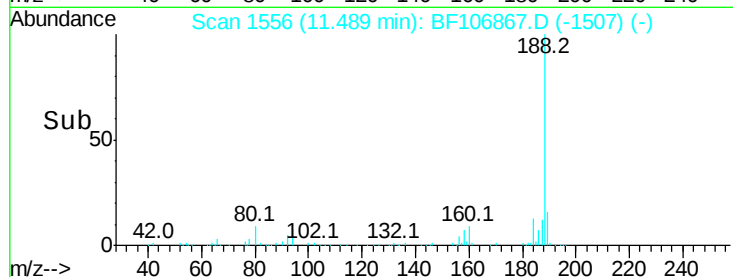
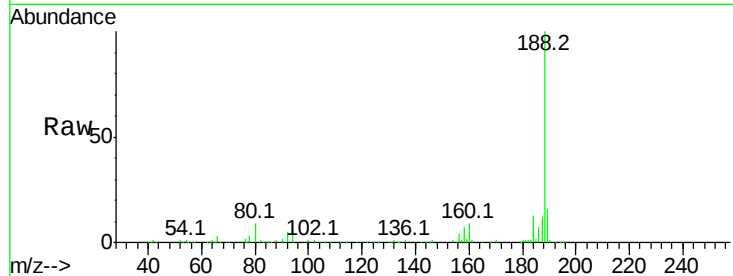
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.2	8.5	12.7#
80	8.9	9.2	13.8#

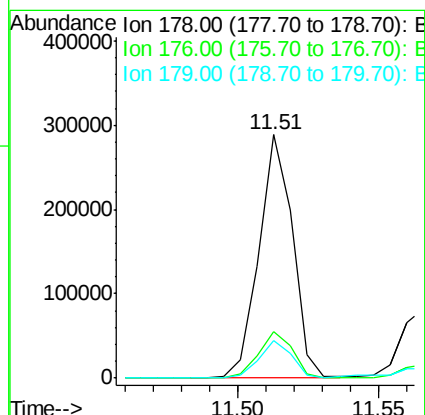
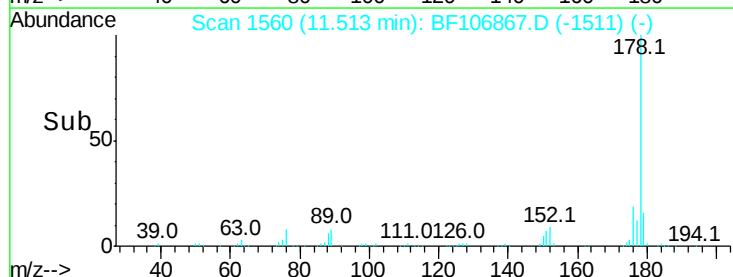
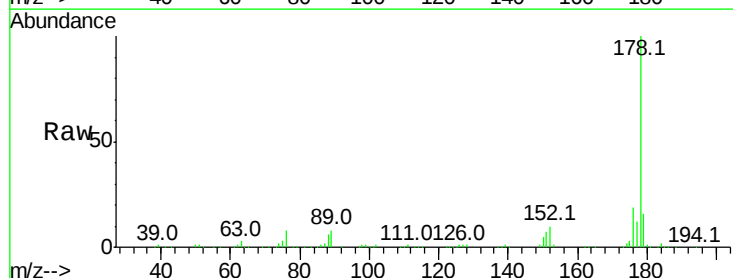
Manual Integrations
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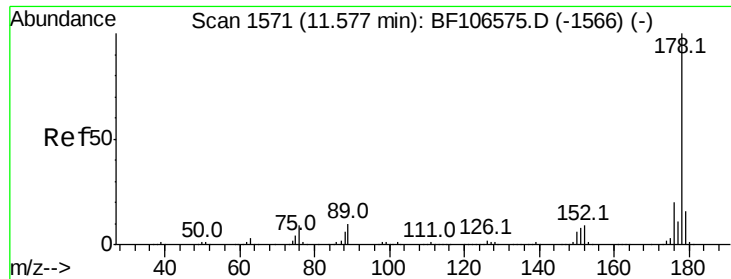
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#70
Phenanthrene
Concen: 25.247 ng
RT: 11.51 min Scan# 1560
Delta R.T. -0.01 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.2	15.8	23.8
179	15.6	13.0	19.6





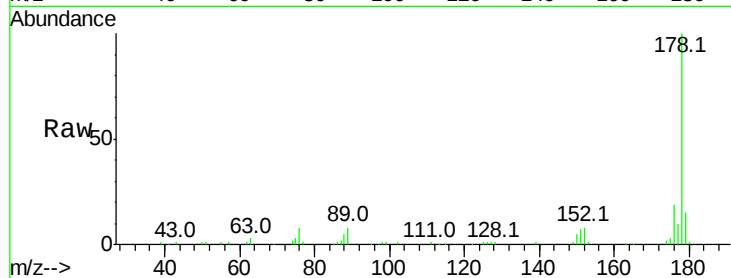
#71
 Anthracene
 Concen: 7.034 ng
 RT: 11.57 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF106867.D
 Acq: 27 Jun 2018 13:12

Instrument :
 BNA_F
 ClientSampleId :
 TP-1-D

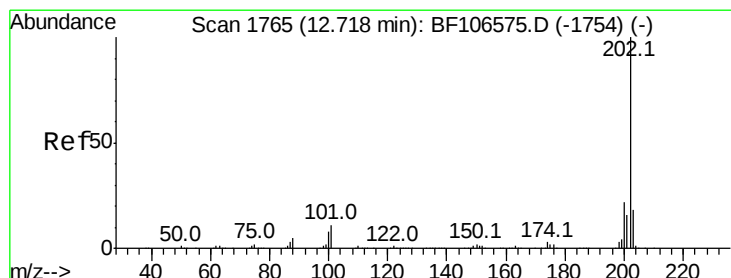
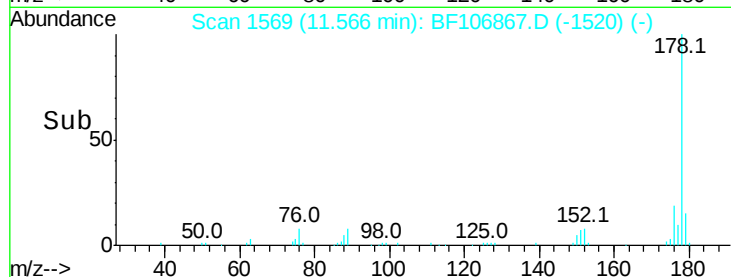
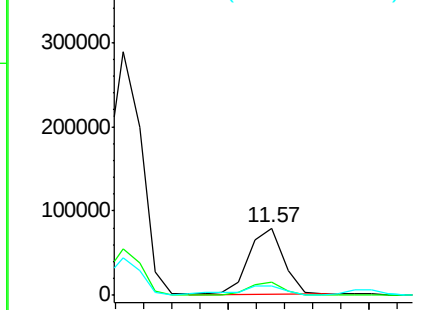
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	14.7	12.6	19.0

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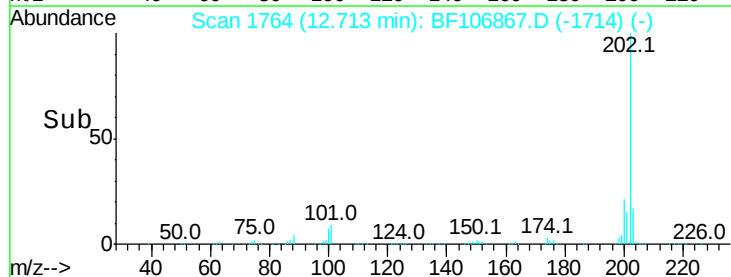
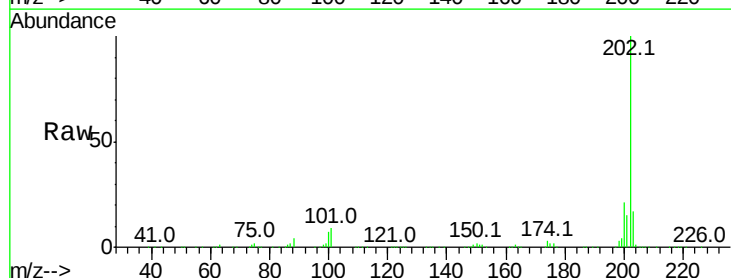
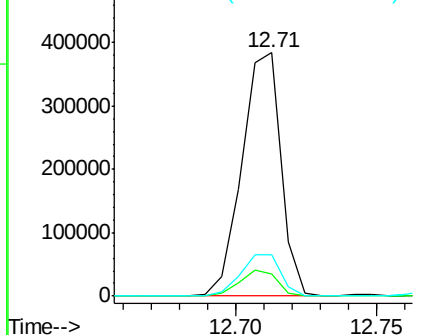
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

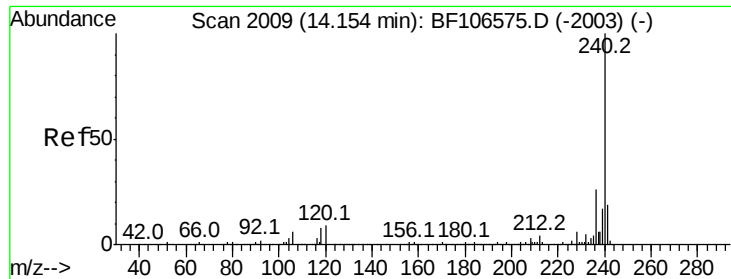


#74
 Fluoranthene
 Concen: 35.537 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF106867.D
 Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.0	0.0	34.1
203	17.2	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF106867.D

Acq: 27 Jun 2018 13:12

Instrument :

BNA_F

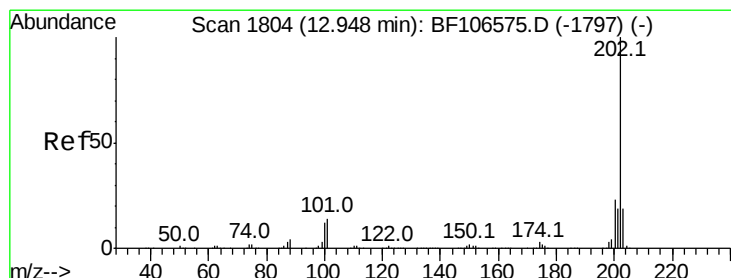
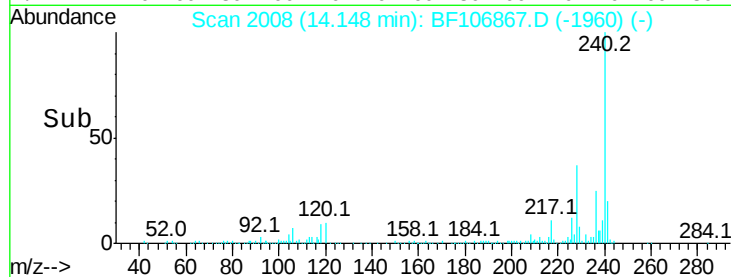
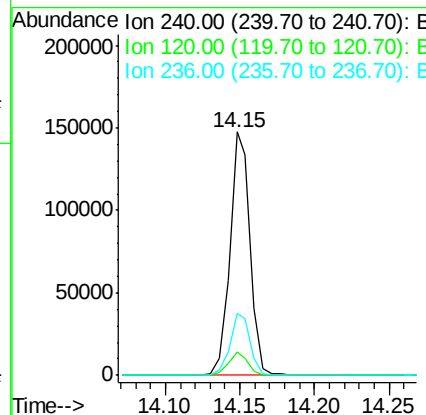
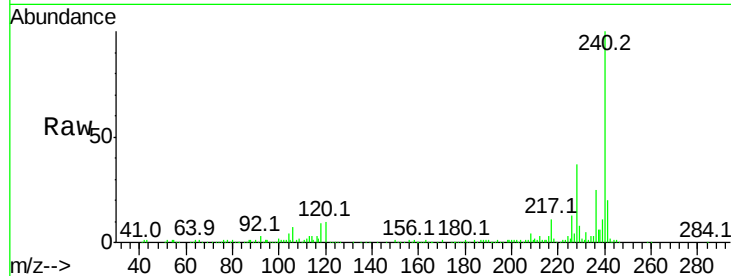
ClientSampleId :

TP-1-D

Tot Ion:	240	Resp:	140996
Ion Ratio		Lower	Upper
240	100		
120	9.9	9.5	14.3
236	25.5	20.7	31.1

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#77

Pyrene

Concen: 35.630 ng

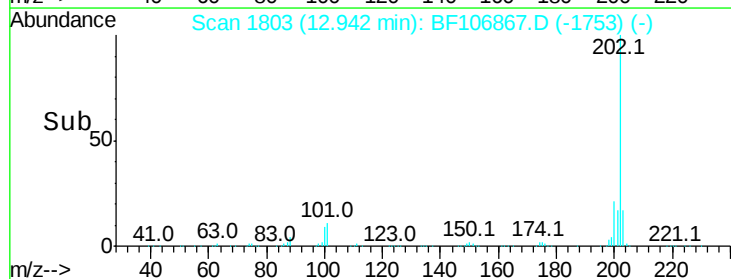
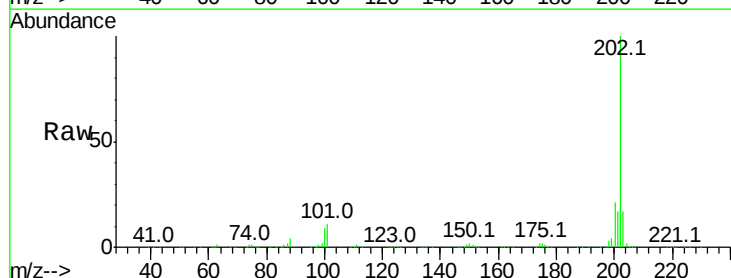
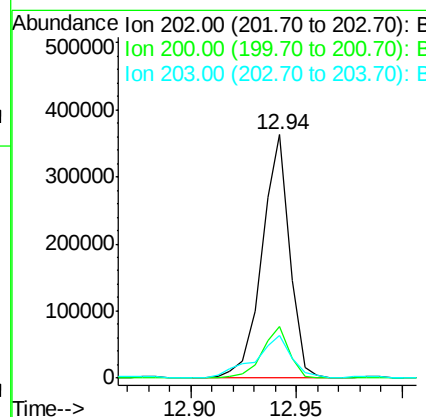
RT: 12.94 min Scan# 1803

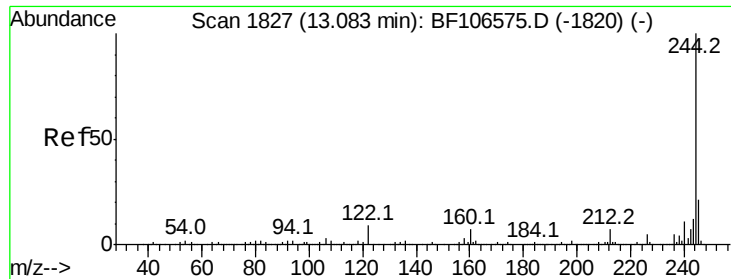
Delta R.T. -0.01 min

Lab File: BF106867.D

Acq: 27 Jun 2018 13:12

Tgt Ion:	202	Resp:	331278
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	17.5	14.3	21.5





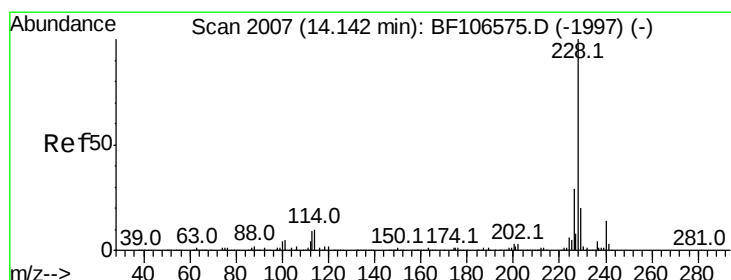
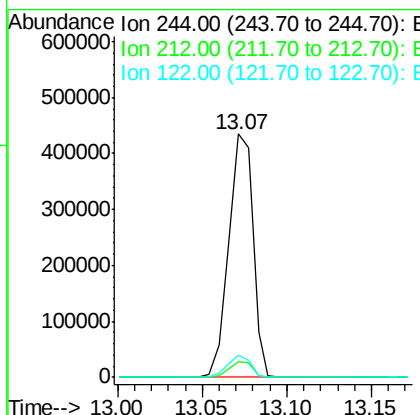
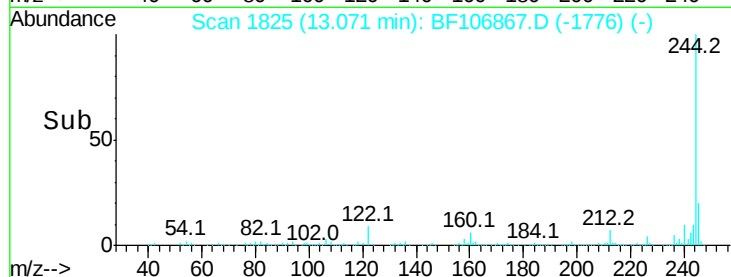
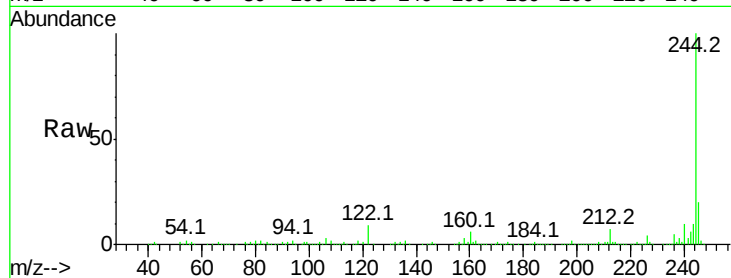
#78
 Terphenyl-d14
 Concen: 74.140 ng
 RT: 13.07 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF106867.D
 Acq: 27 Jun 2018 13:12

Instrument :
 BNA_F
 ClientSampleID :
 TP-1-D

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	9.1	11.0	16.4

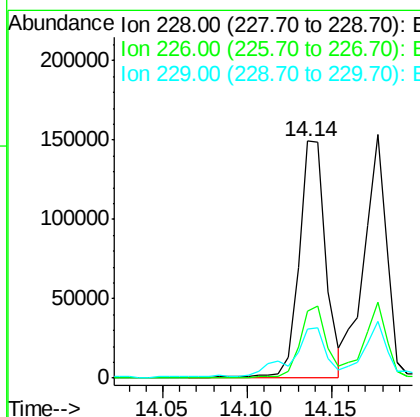
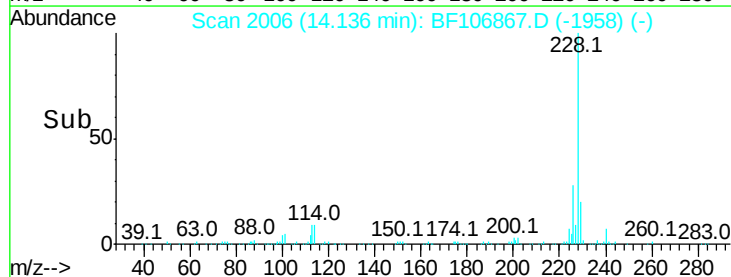
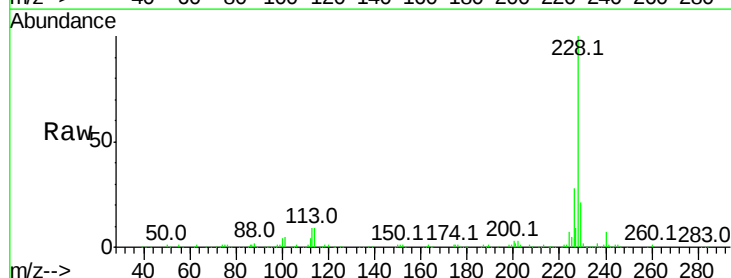
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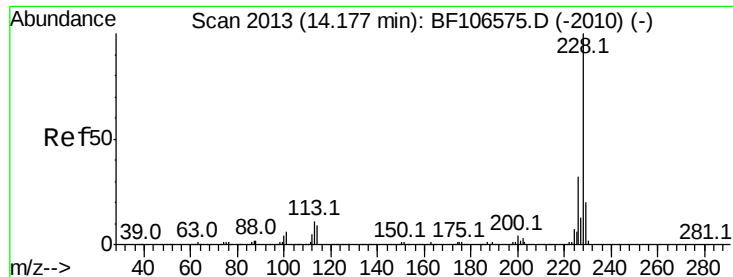
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#80
 Benzo(a)anthracene
 Concen: 18.934 ng
 RT: 14.14 min Scan# 2006
 Delta R.T. -0.02 min
 Lab File: BF106867.D
 Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.3	22.6	33.8
229	20.5	15.8	23.6





#82

Chrysene

Concen: 18.140 ng

RT: 14.18 min Scan# 2013

Delta R.T. -0.02 min

Lab File: BF106867.D

Acq: 27 Jun 2018 13:12

Instrument :

BNA_F

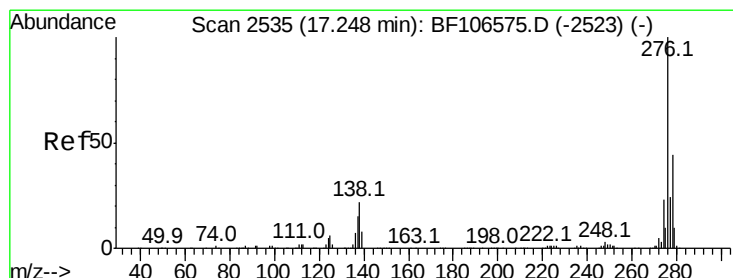
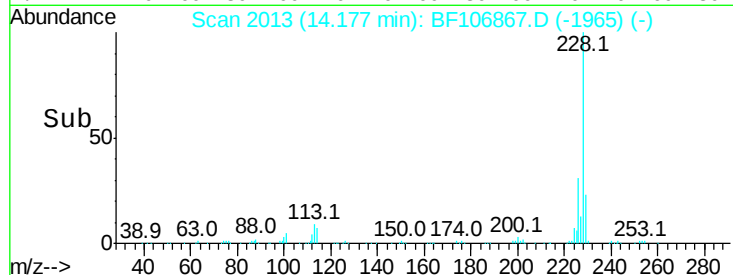
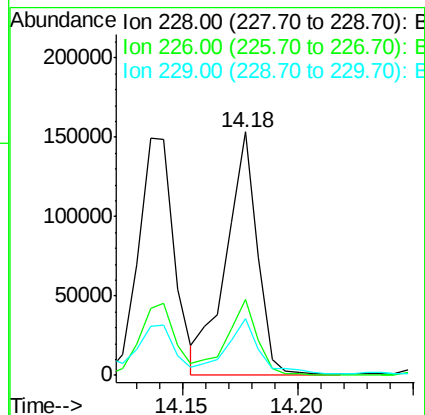
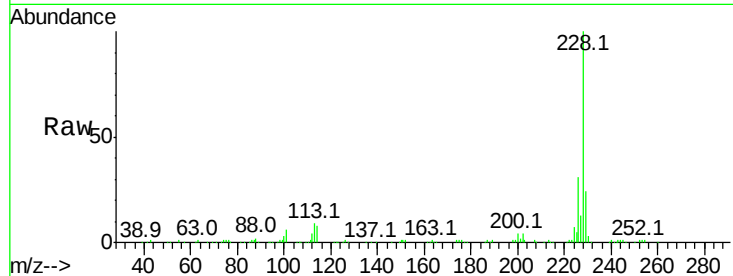
ClientSampled :

TP-1-D

Tot Ion:	228	Resp:	143410
Ion Ratio	Lower	Upper	
228	100		
226	31.3	25.0	37.6
229	23.6	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 10.925 ng

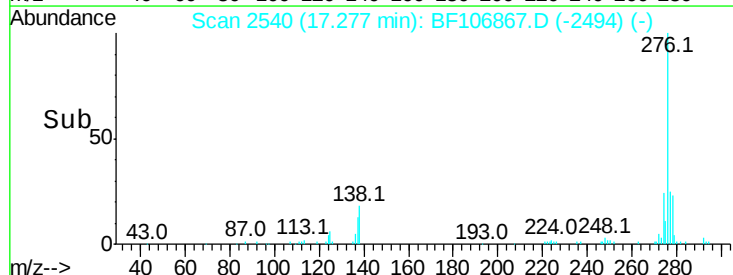
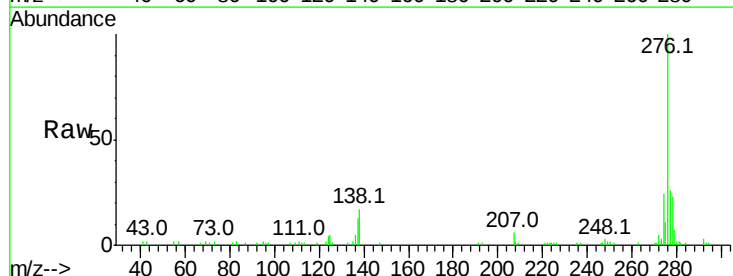
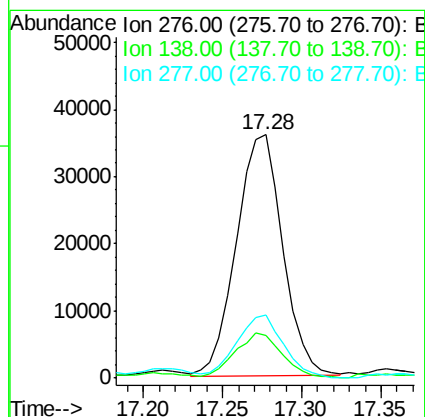
RT: 17.28 min Scan# 2540

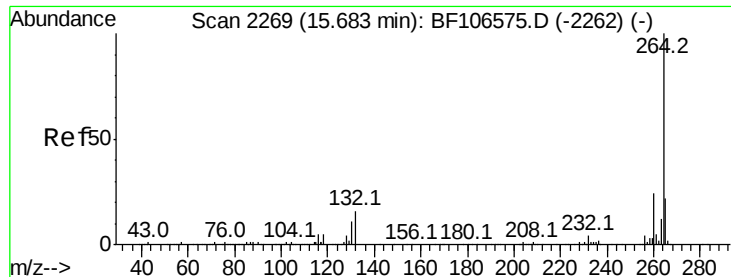
Delta R.T. -0.03 min

Lab File: BF106867.D

Acq: 27 Jun 2018 13:12

Tgt Ion:	276	Resp:	73294
Ion Ratio	Lower	Upper	
276	100		
138	19.1	25.0	37.6#
277	26.4	20.1	30.1





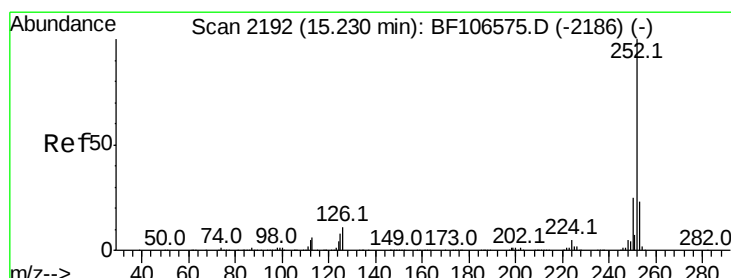
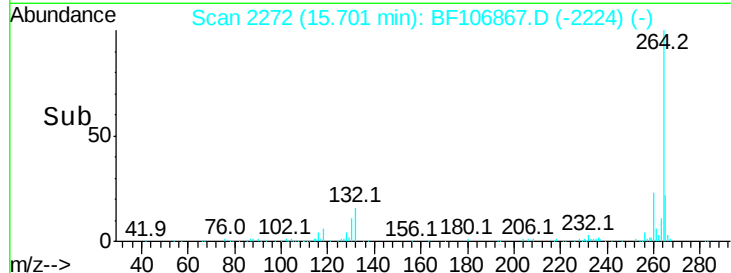
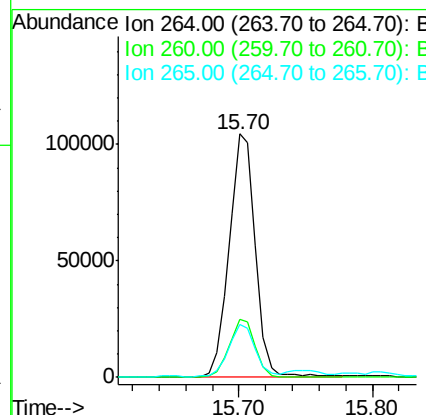
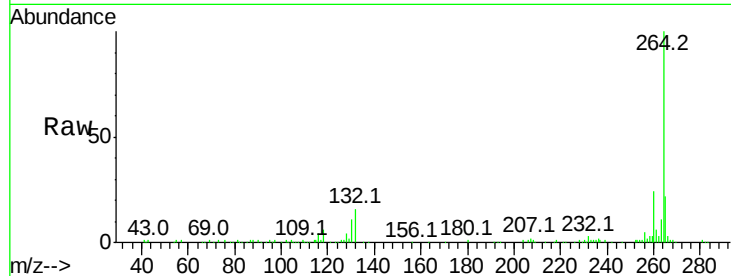
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2272
Delta R.T. -0.02 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Instrument :
BNA_F
ClientSampled :
TP-1-D

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	21.9	17.5	26.3

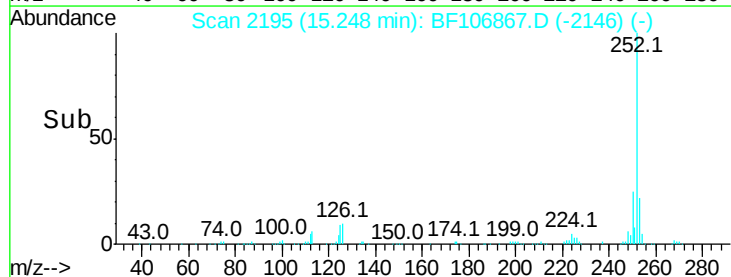
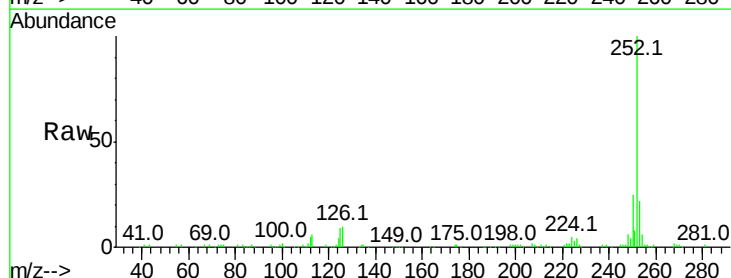
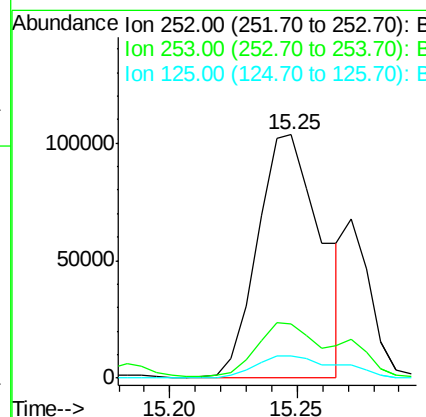
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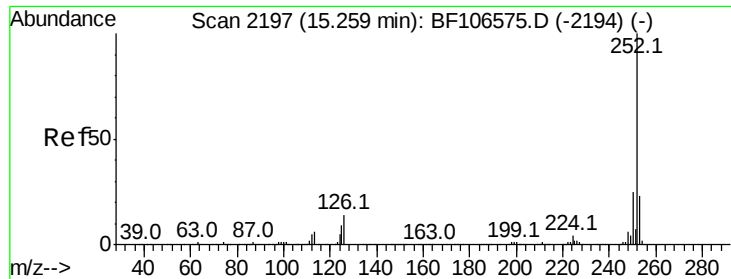
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#87
Benzo(b)fluoranthene
Concen: 20.071 ng m
RT: 15.25 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	9.1	9.0	13.6





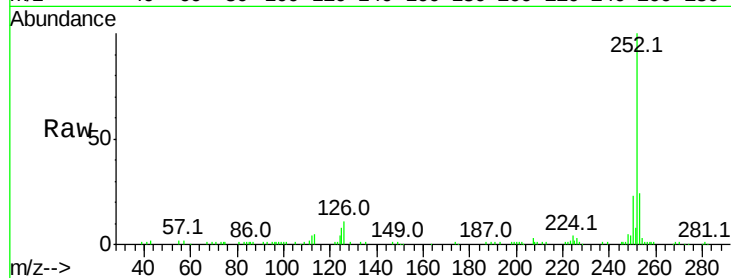
#88
Benzo(k)fluoranthene
Concen: 5.556 ng m
RT: 15.27 min Scan# 2199
Delta R.T. -0.02 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Instrument :
BNA_F
ClientSampled :
TP-1-D

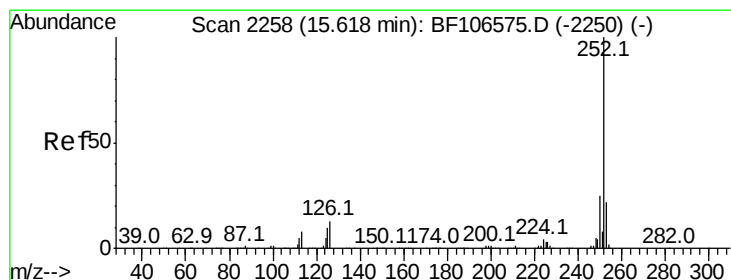
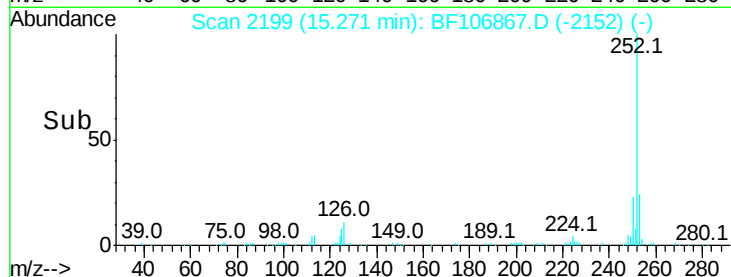
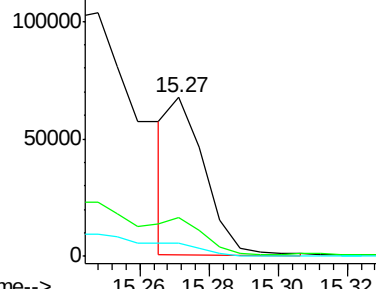
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	8.0	10.2	15.2

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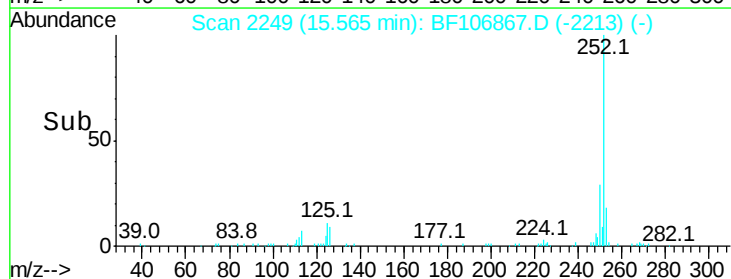
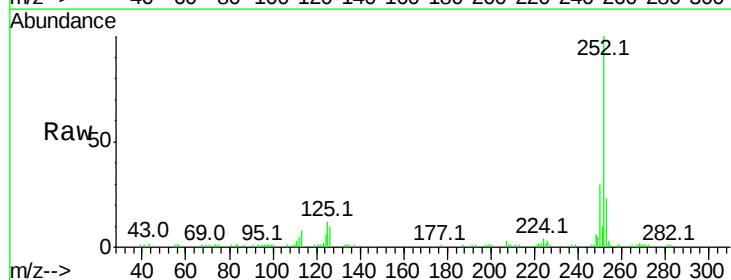
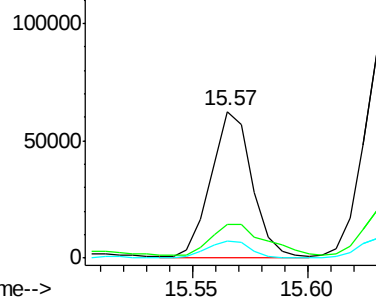
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

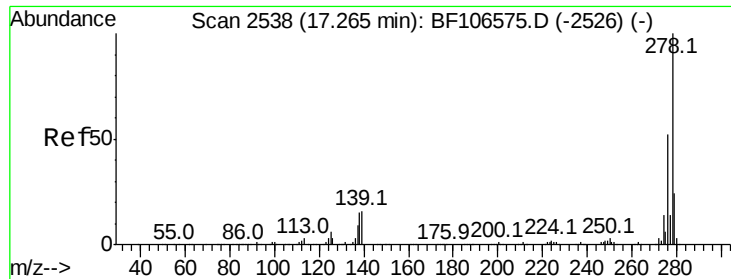


#89
Benzo(a)pyrene
Concen: 9.770 ng
RT: 15.57 min Scan# 2249
Delta R.T. -0.09 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.7	9.8	14.6

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





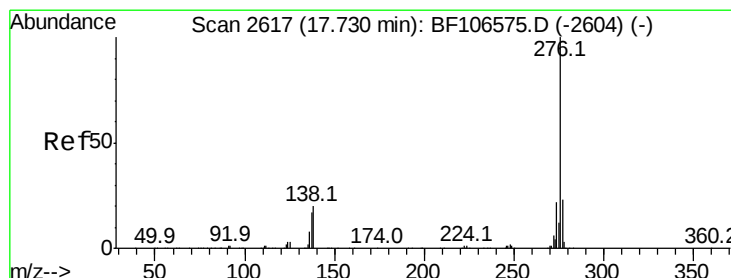
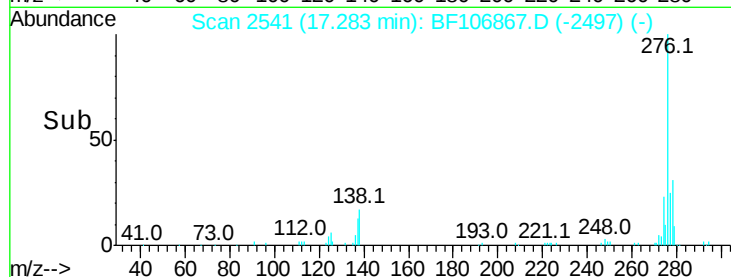
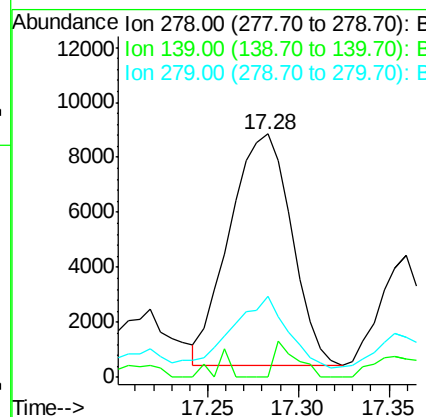
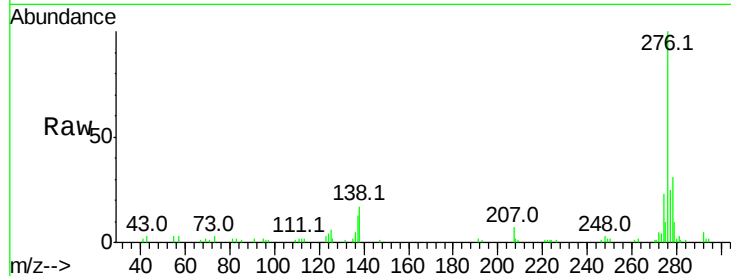
#90
Dibenzo(a,h)anthracene
Concen: 2.949 ng
RT: 17.28 min Scan# 2541
Delta R.T. -0.04 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Instrument :
BNA_F
ClientSampleId :
TP-1-D

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	33.3	19.0	28.4#

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#91
Benzo(g,h,i)perylene
Concen: 10.026 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.04 min
Lab File: BF106867.D
Acq: 27 Jun 2018 13:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	17.9	21.8	32.8#

