

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF021218\
 Data File : BF102917.D
 Acq On : 12 Feb 2018 13:45
 Operator : SJ/JU
 Sample : J1525-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

Manual Integrations
 APPROVED

Sohil
 2/13/2018 11:25:31 AM

Quant Time: Feb 13 00:17:50 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 05 12:44:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	193651	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	786205	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	328495	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	473226	20.00	ng	0.00
75) Chrysene-d12	14.06	240	321024	20.00	ng	0.00
86) Perylene-d12	15.54	264	302320	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	990534	77.68	ng	0.01
7) Phenol-d6	6.51	99	1166471	75.97	ng	0.00
23) Nitrobenzene-d5	7.45	82	770648	68.00	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	192391	72.77	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	995197	50.27	ng	0.00
78) Terphenyl-d14	13.00	244	607883	44.84	ng	0.00
Target Compounds						Qvalue
48) Acenaphthylene	9.79	152	81172	2.399	ng	98
49) Dimethylphthalate	9.63	163	114925	4.487	ng	99
57) Fluorene	10.47	166	49186	2.371	ng	97
70) Phenanthrene	11.44	178	499613	18.957	ng	99
71) Anthracene	11.49	178	179006	6.678	ng	99
74) Fluoranthene	12.63	202	753396	28.412	ng	98
77) Pyrene	12.86	202	723104	28.725	ng	100
80) Benzo(a)anthracene	14.04	228	435580	21.575	ng	97
82) Chrysene	14.08	228	375567	18.454	ng	96
83) Bis(2-ethylhexyl)phthalate	14.02	149	50063	3.246	ng	98
85) Indeno(1,2,3-cd)pyrene	17.05	276	184452	10.928	ng	97
87) Benzo(b)fluoranthene	15.11	252	580329m	29.608	ng	
88) Benzo(k)fluoranthene	15.13	252	140307m	7.492	ng	
89) Benzo(a)pyrene	15.48	252	357649	20.272	ng	# 96
90) Dibenzo(a,h)anthracene	17.05	278	48552	3.390	ng	# 74
91) Benzo(g,h,i)perylene	17.51	276	178551	12.739	ng	97

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

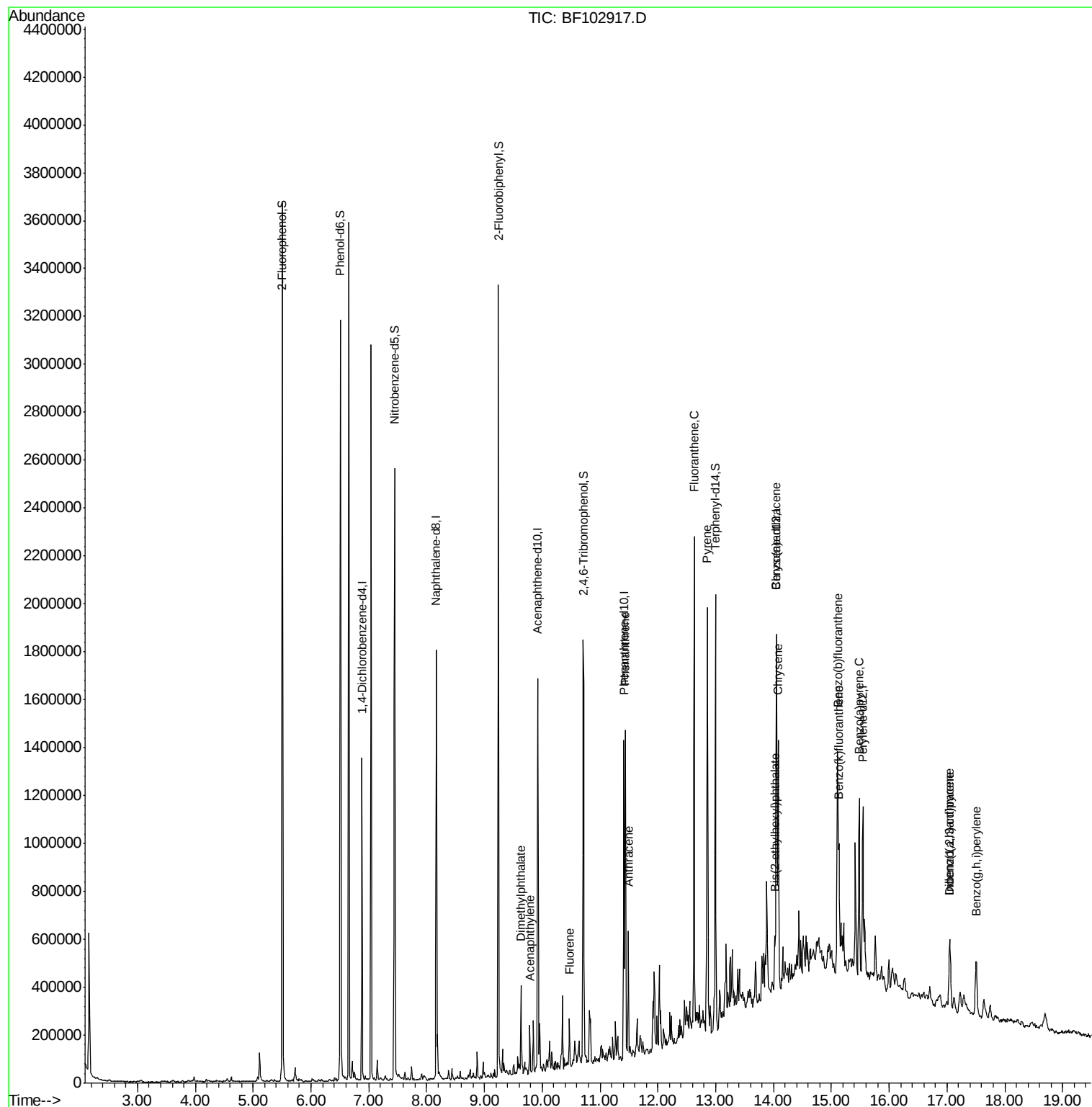
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF021218\
Data File : BF102917.D
Acq On : 12 Feb 2018 13:45
Operator : SJ/JU
Sample : J1525-01
Misc :
ALS Vial : 12 Sample Multiplier: 1

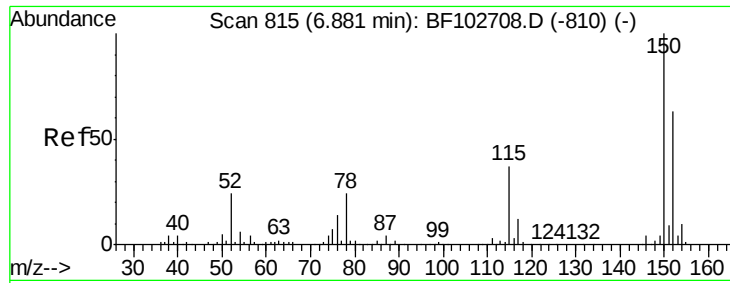
Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Manual Integrations
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Sohil
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Quant Time: Feb 13 00:17:50 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

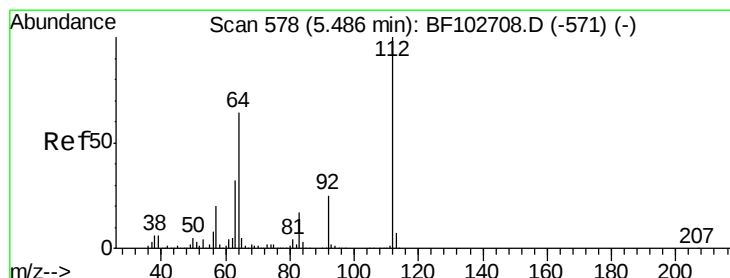
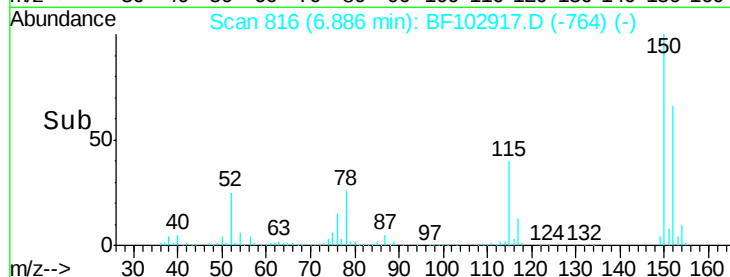
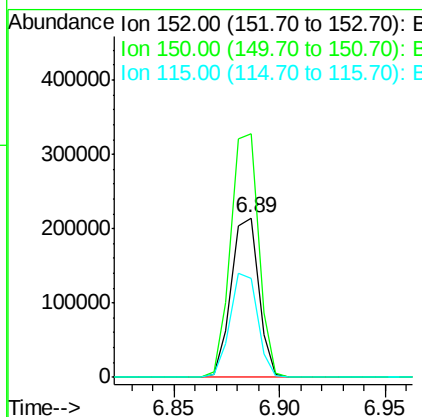
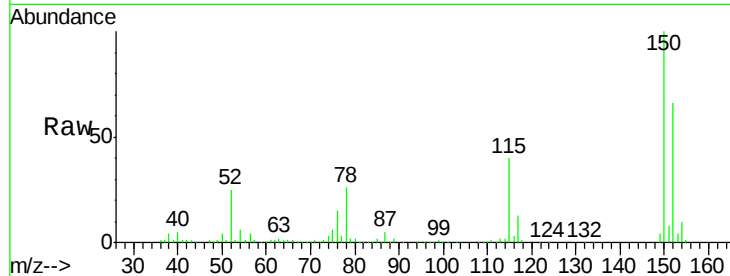
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. 0.01 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Instrument :
BNA_F
ClientSampled :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.4	124.6	186.8
115	61.7	50.1	75.1

Manual Integrations
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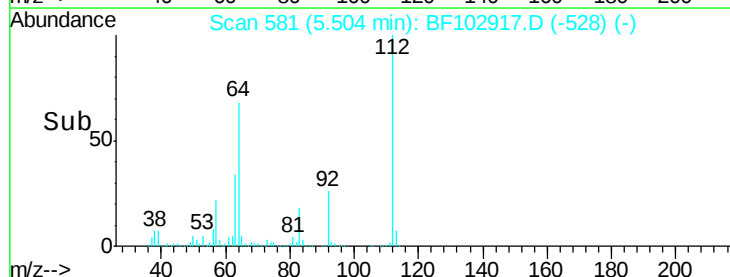
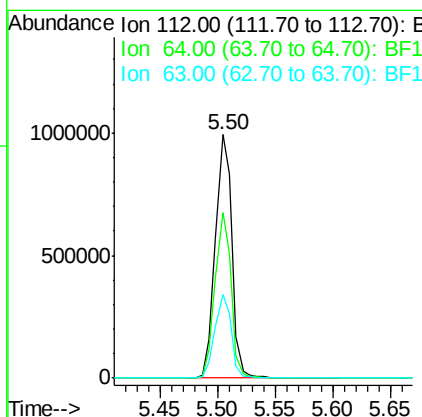
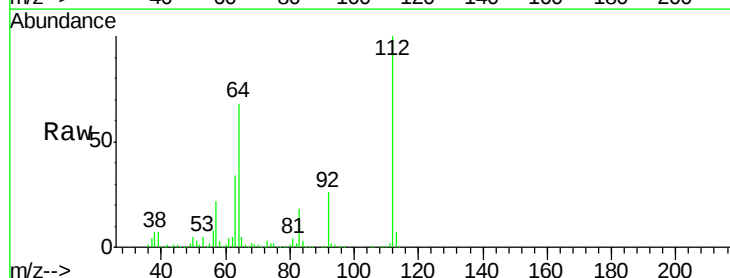
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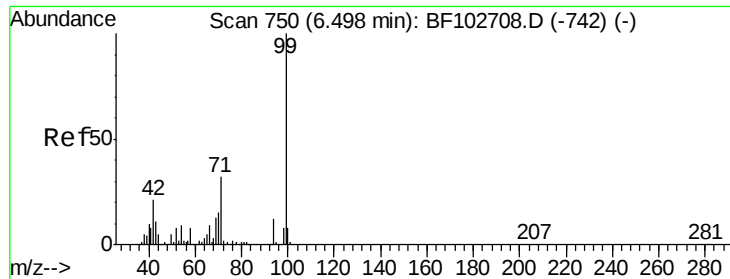


#5

2-Fluorophenol
Concen: 77.681 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.9	47.9	71.9
63	34.1	23.7	35.5





#7

Phenol-d6

Concen: 75.974 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Instrument :

BNA_F

ClientSampled :

SAMPLE-1

Tot Ion: 99 Resp: 1166471

Ion Ratio Lower Upper

99 100

42 21.5 14.5 21.7

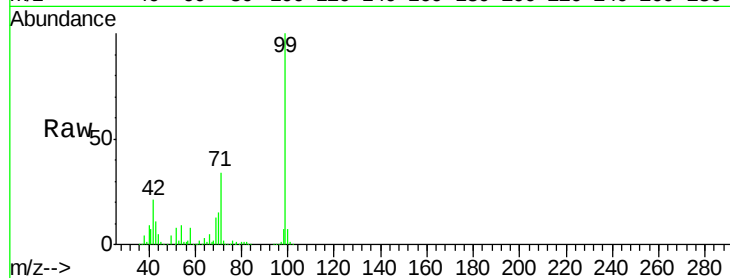
71 33.8 25.4 38.0

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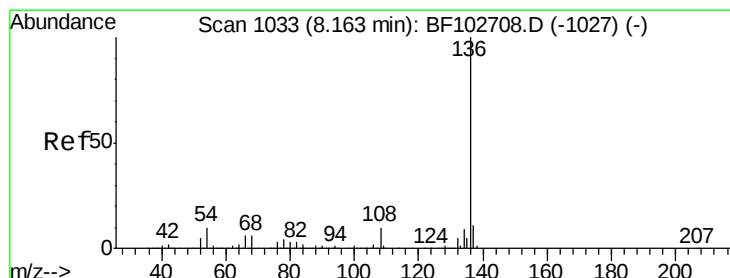
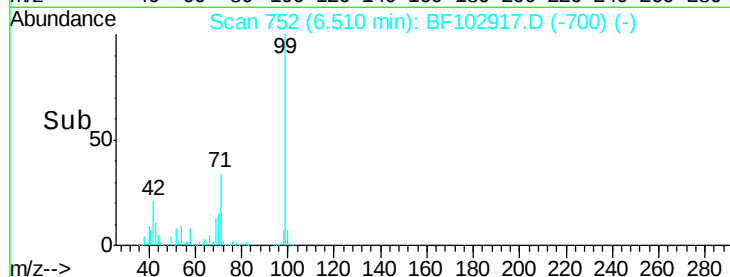
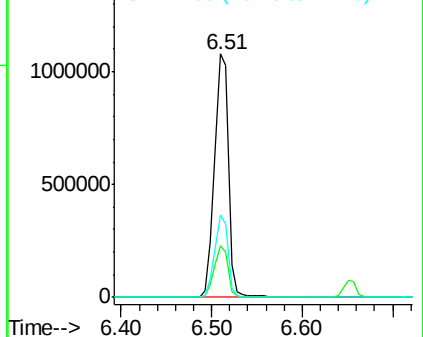
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Tgt Ion: 136 Resp: 786205

Ion Ratio Lower Upper

136 100

137 10.6 8.9 13.3

54 9.3 6.6 9.8

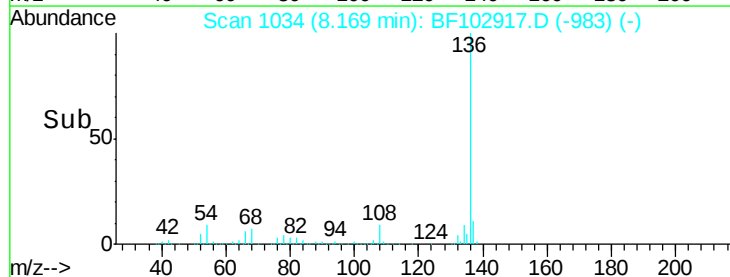
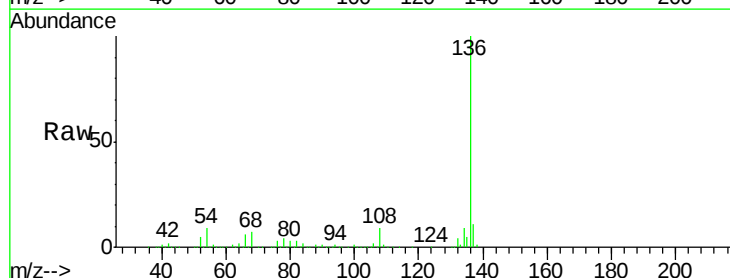
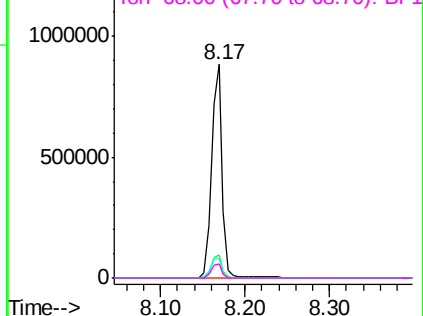
68 6.6 5.0 7.4

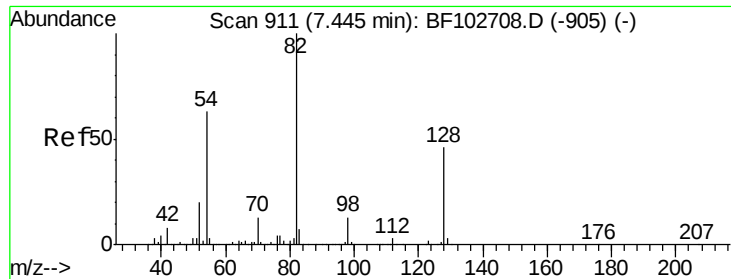
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





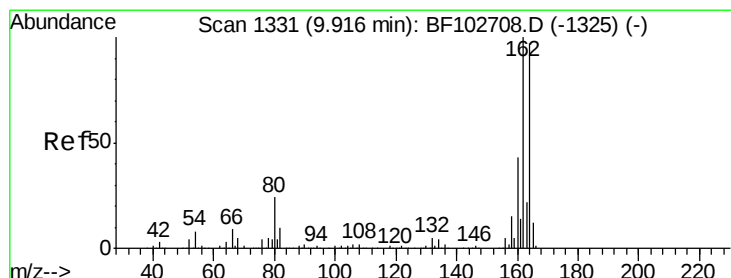
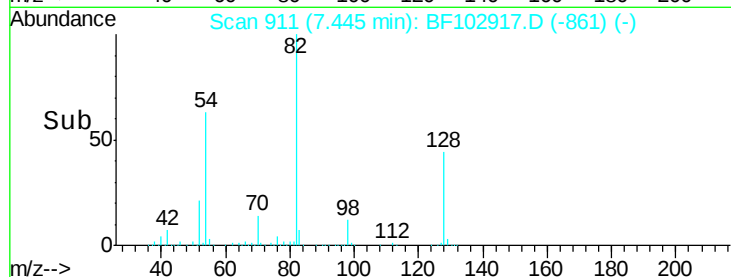
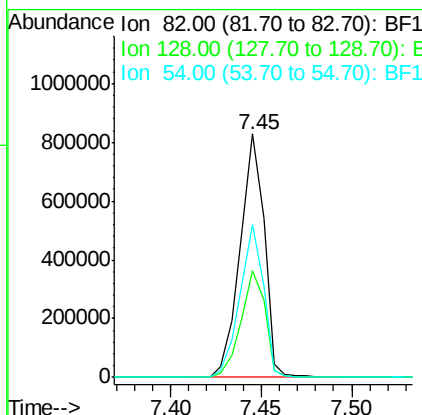
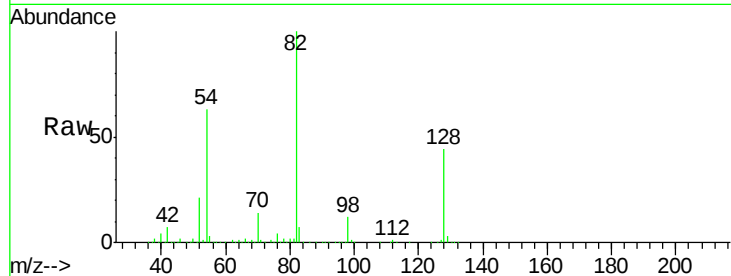
#23
Nitrobenzene-d5
Concen: 67.998 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
82	100		
128	43.8	36.1	54.1
54	62.6	41.4	62.2

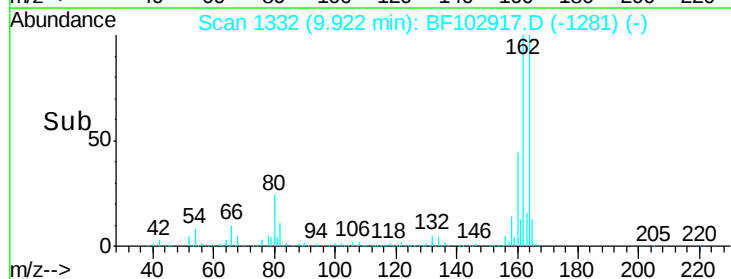
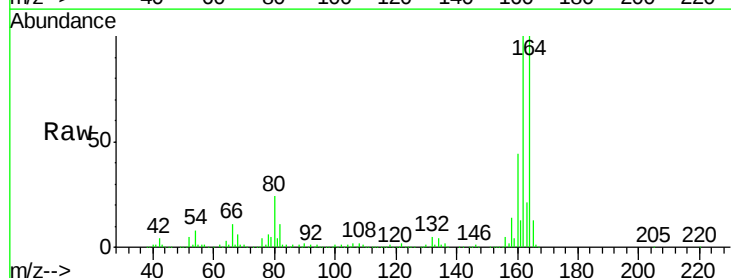
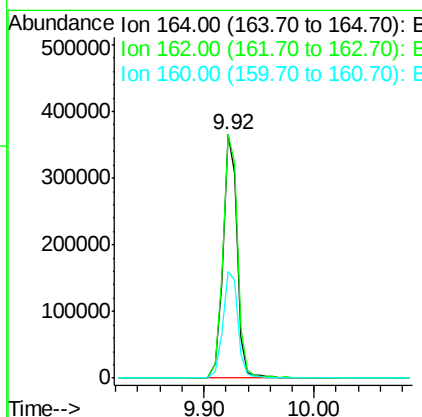
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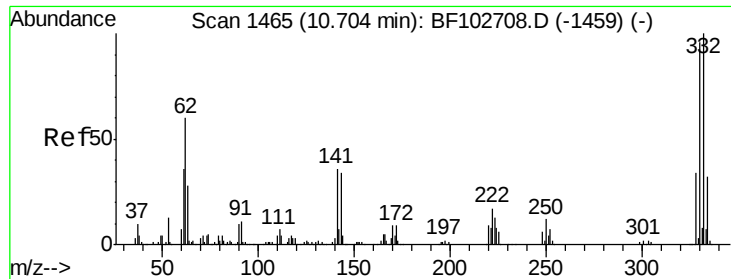
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.00 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	99.8	86.1	129.1
160	43.8	38.3	57.5





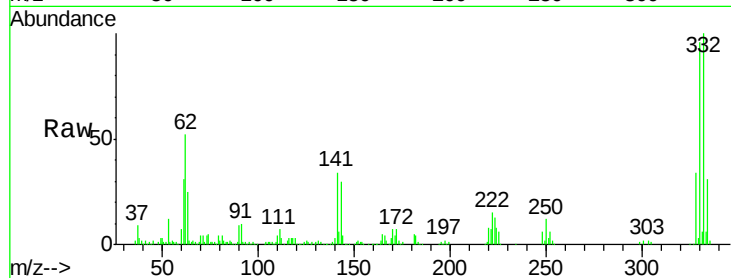
#41
 2,4,6-Tribromophenol
 Concen: 72.765 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102917.D
 Acq: 12 Feb 2018 13:45

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.0	77.0	115.6	
141	42.7	29.9	44.9	

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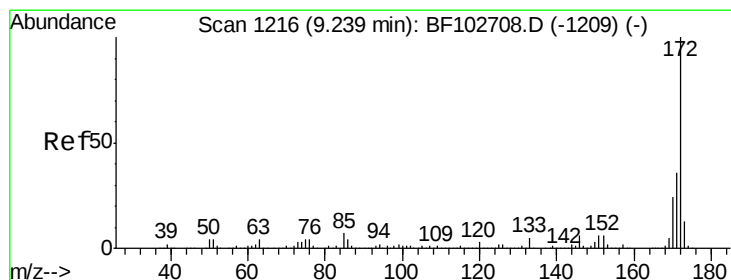
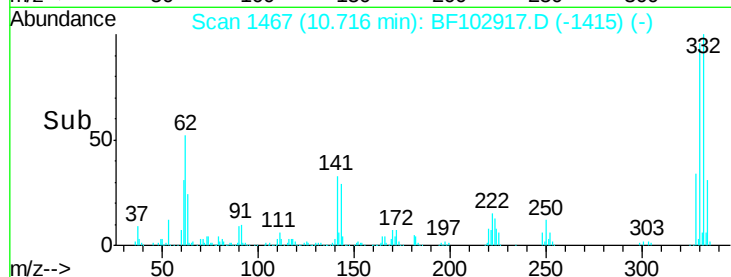
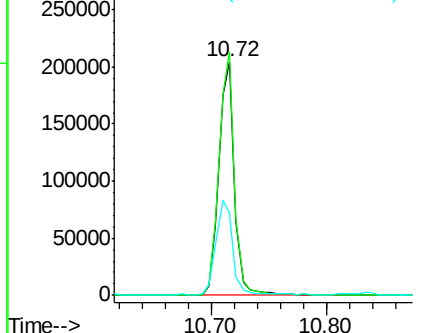


Abundance

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: 50.271 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF102917.D
 Acq: 12 Feb 2018 13:45

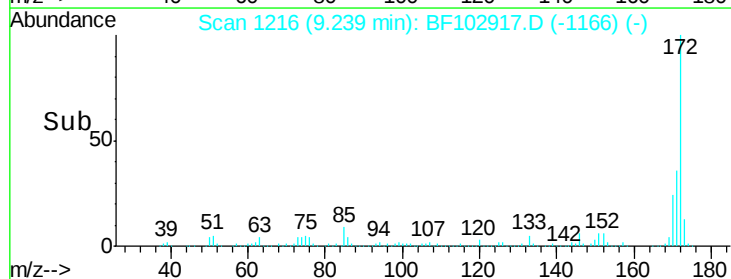
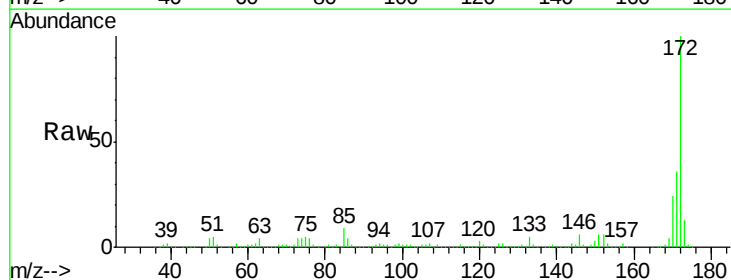
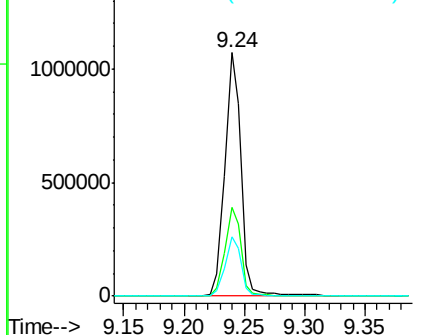
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.4	29.7	44.5	
170	24.5	19.6	29.4	

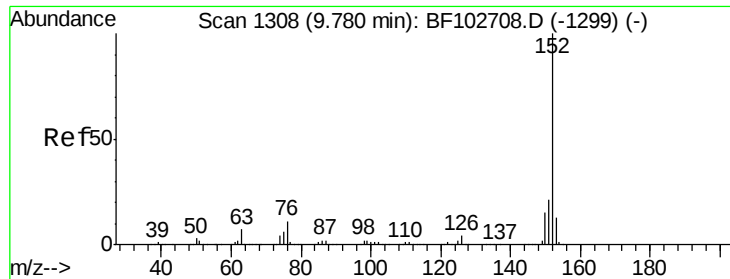
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.399 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Instrument :

BNA_F

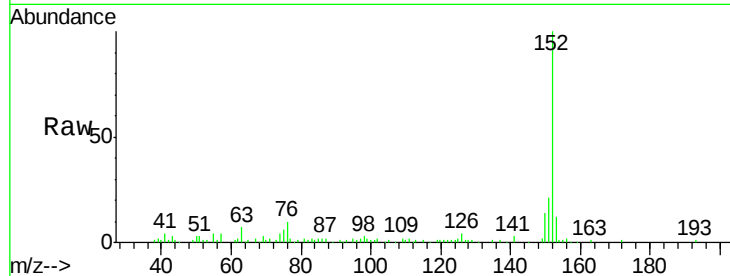
ClientSampleId :

SAMPLE-1

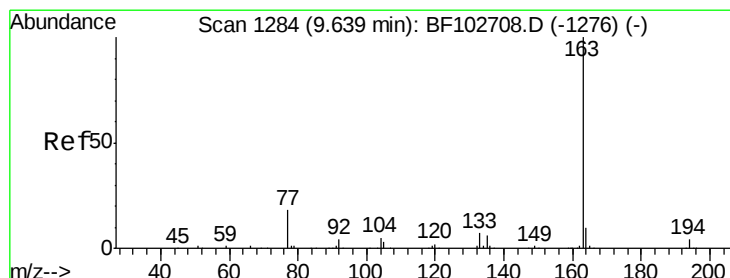
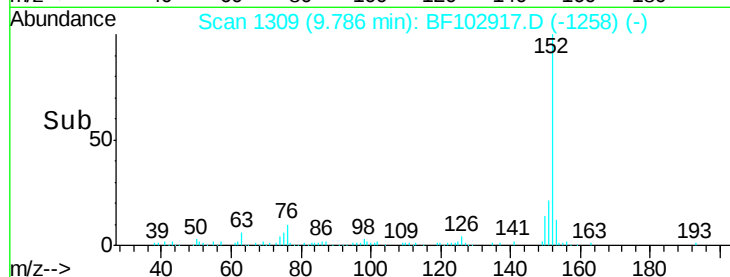
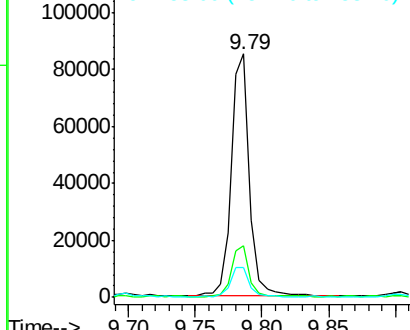
Tot Ion:	152	Resp:	81172
Ion Ratio	Lower	Upper	
152	100		
151	21.4	16.3	24.5
153	12.3	10.7	16.1

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 4.487 ng

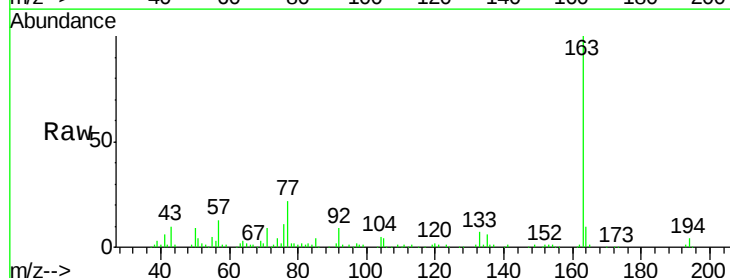
RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

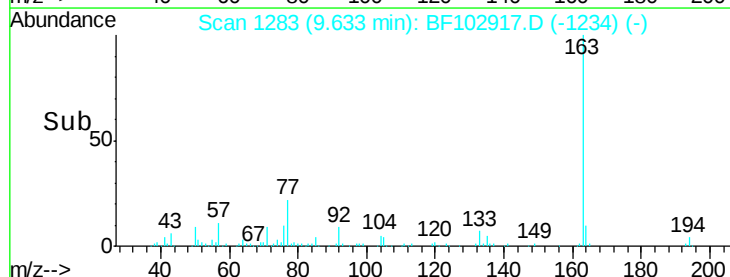
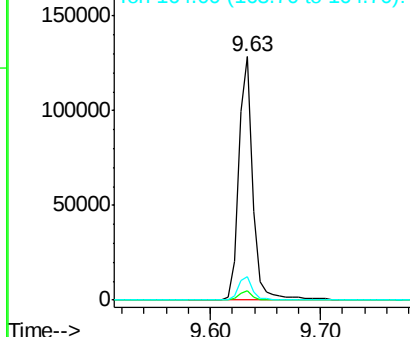
Lab File: BF102917.D

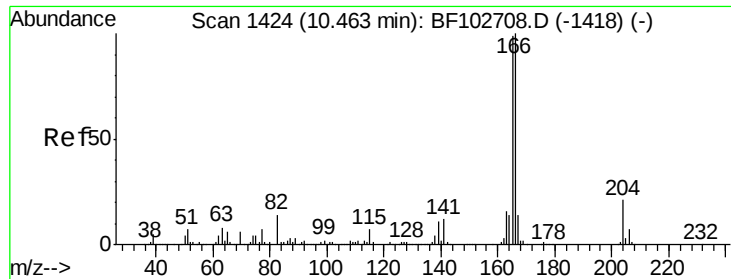
Acq: 12 Feb 2018 13:45

Tgt Ion:	163	Resp:	114925
Ion Ratio	Lower	Upper	
163	100		
194	3.8	2.7	4.1
164	9.7	8.2	12.2



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





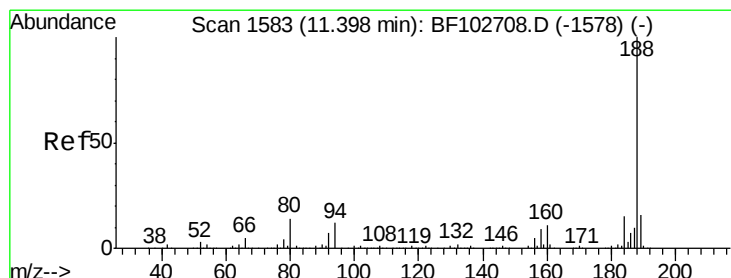
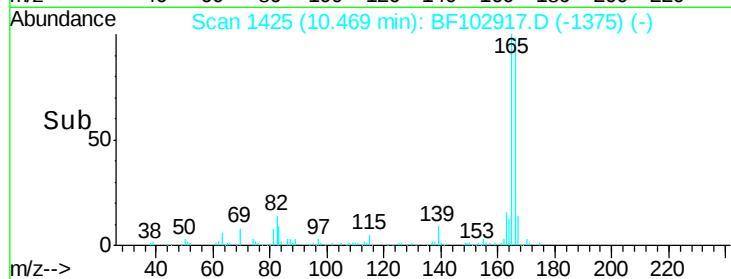
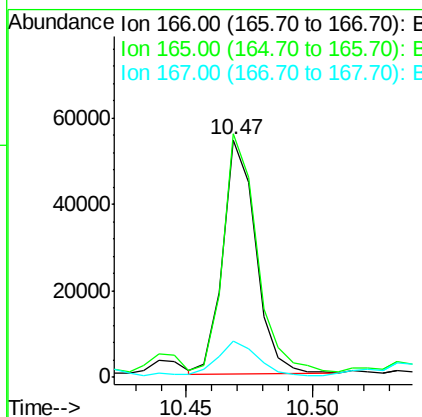
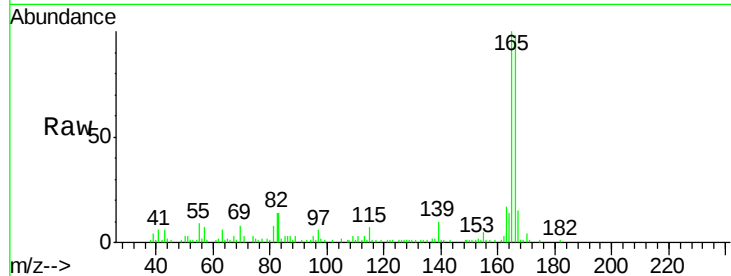
#57
 Fluorene
 Concen: 2.371 ng
 RT: 10.47 min Scan# 1425
 Delta R.T. -0.01 min
 Lab File: BF102917.D
 Acq: 12 Feb 2018 13:45

Instrument :
 BNA_F
 ClientSampleId :
 SAMPLE-1

Tot Ion	Ratio	Lower	Upper
166	100		
165	102.5	79.8	119.8
167	15.3	10.6	16.0

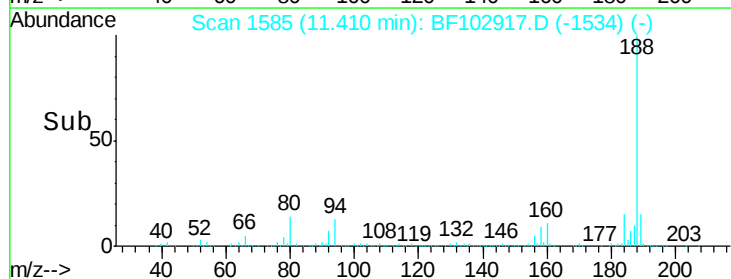
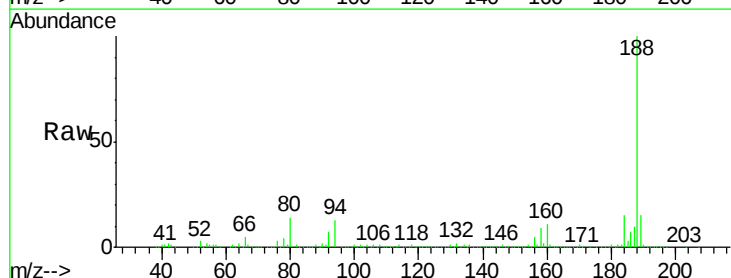
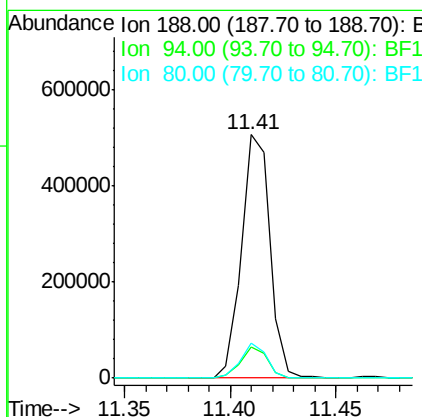
Manual Integrations
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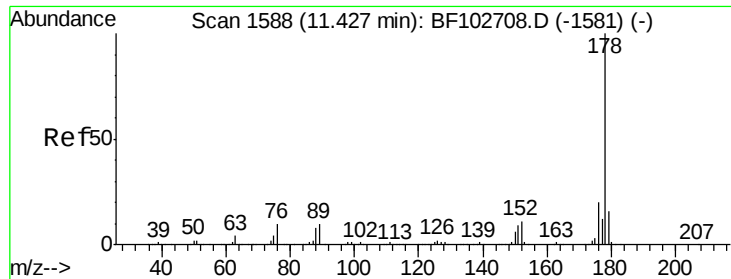
Sohil
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF102917.D
 Acq: 12 Feb 2018 13:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	12.7	8.5	12.7
80	14.2	9.2	13.8





#70

Phenanthrene

Concen: 18.957 ng

RT: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Instrument :

BNA_F

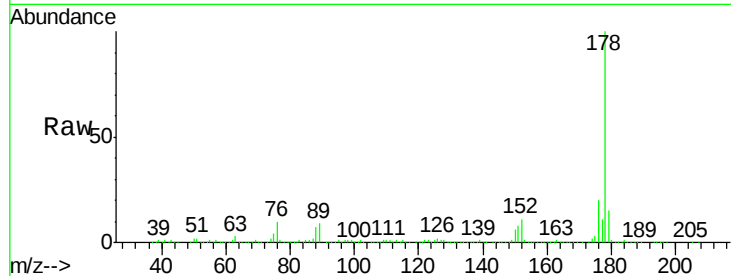
ClientSampleId :

SAMPLE-1

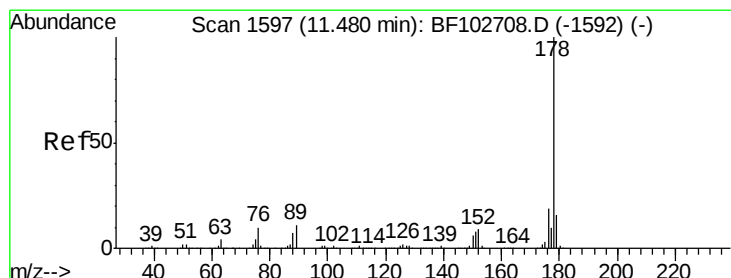
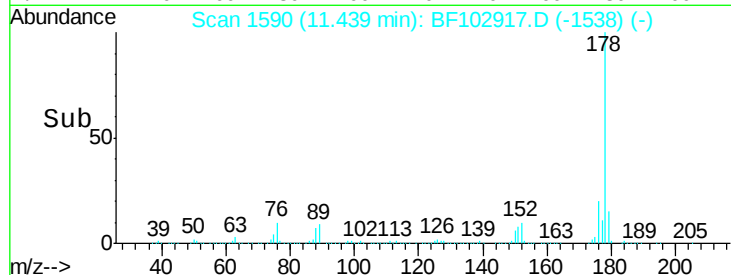
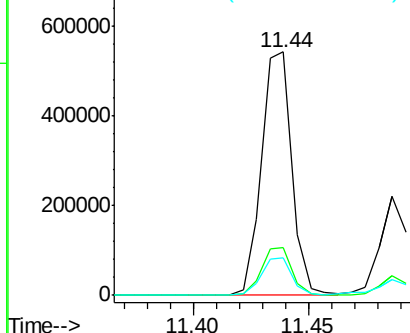
Tot Ion:	178	Resp:	499613
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.8	23.8
179	15.3	13.0	19.6

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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



#71

Anthracene

Concen: 6.678 ng

RT: 11.49 min Scan# 1598

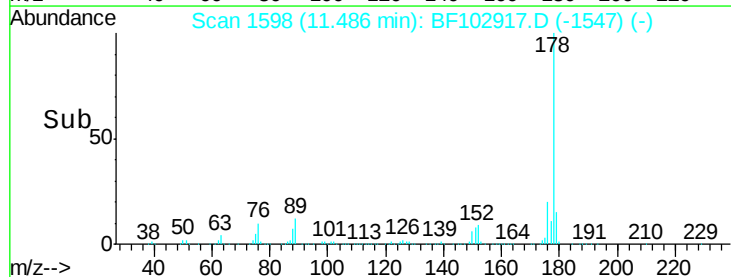
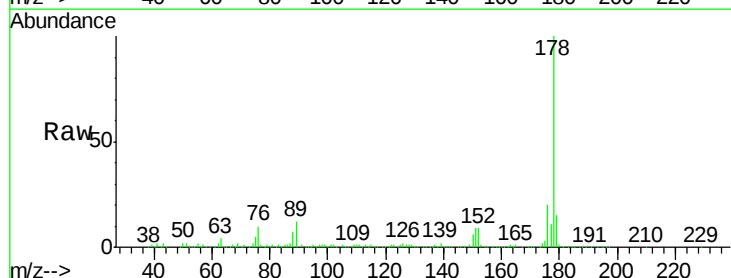
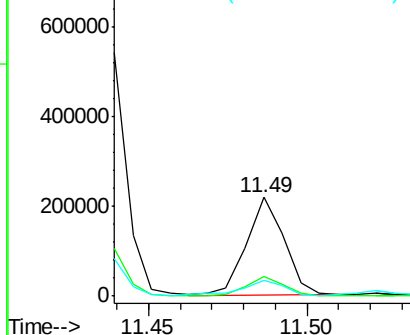
Delta R.T. -0.00 min

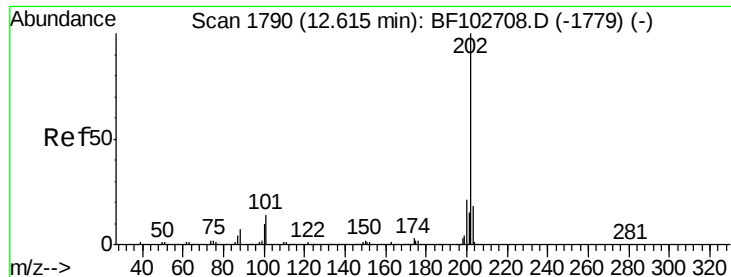
Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Tgt Ion:	178	Resp:	179006
Ion Ratio	Lower	Upper	
178	100		
176	19.9	15.4	23.2
179	15.3	12.6	19.0

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: 28.412 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Instrument :

BNA_F

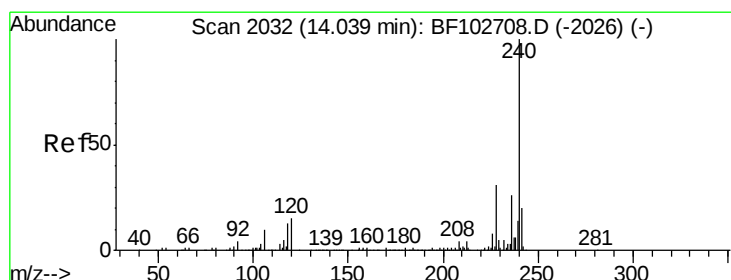
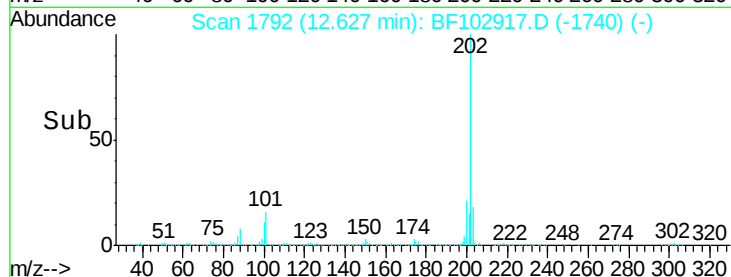
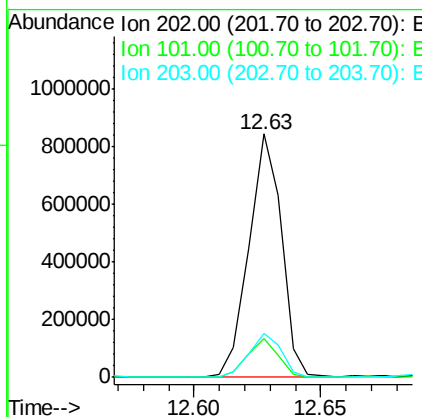
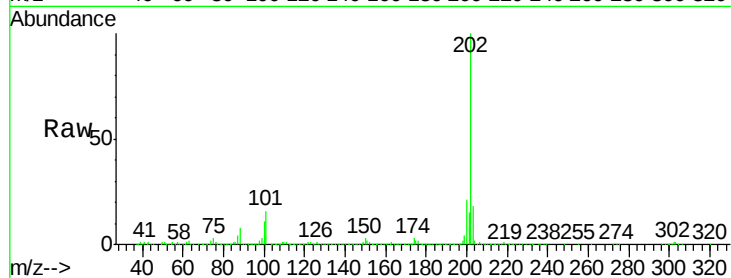
ClientSampleId :

SAMPLE-1

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		753396		
101	15.9	0.0	34.1		
203	17.8	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

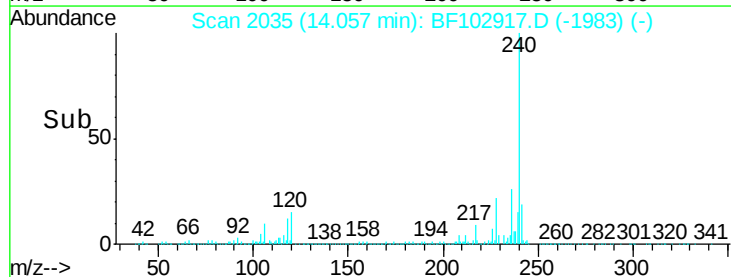
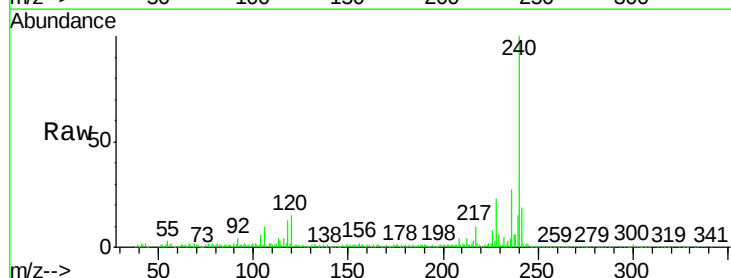
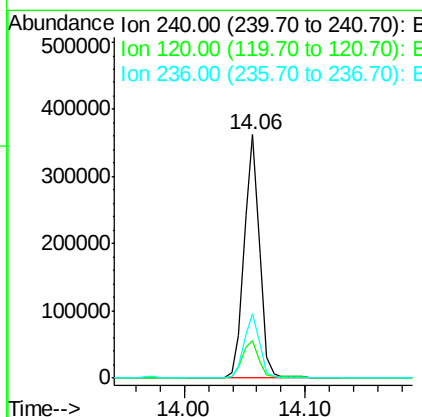
RT: 14.06 min Scan# 2035

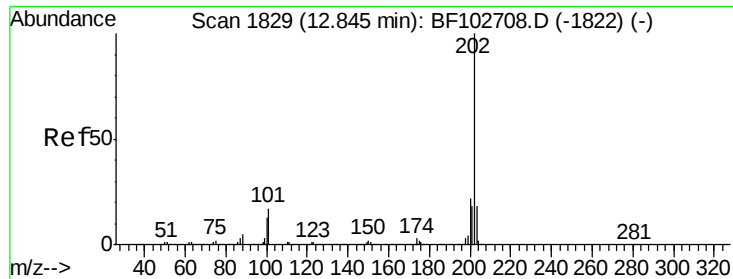
Delta R.T. 0.01 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		321024		
120	15.3	9.5	14.3#		
236	26.5	20.7	31.1		





#77

Pvrene

Concen: 28.725 ng

RT: 12.86 min Scan# 1831

Delta R.T. 0.01 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Instrument :

BNA_F

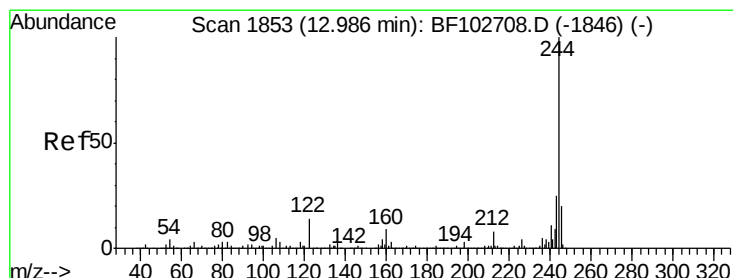
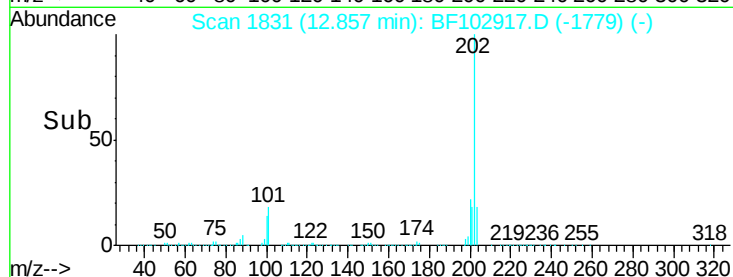
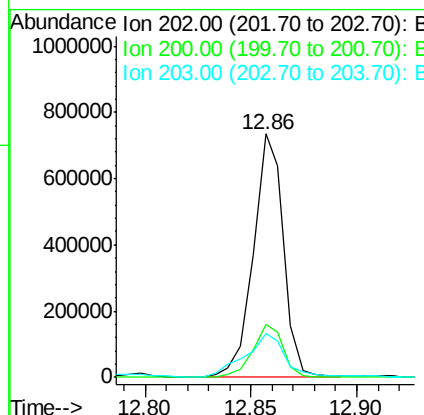
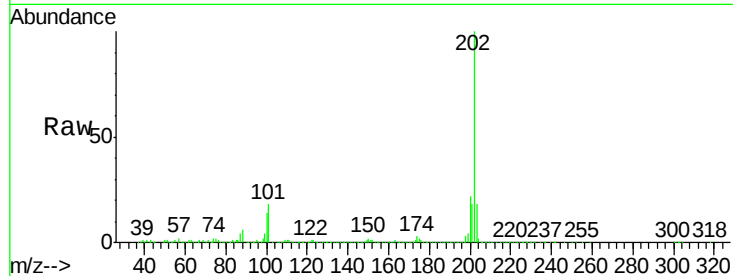
ClientSampled :

SAMPLE-1

Tot Ion:	202	Resp:	723104
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.0	14.3	21.5

Manual Integrations
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#78

Terphenyl-d14

Concen: 44.836 ng

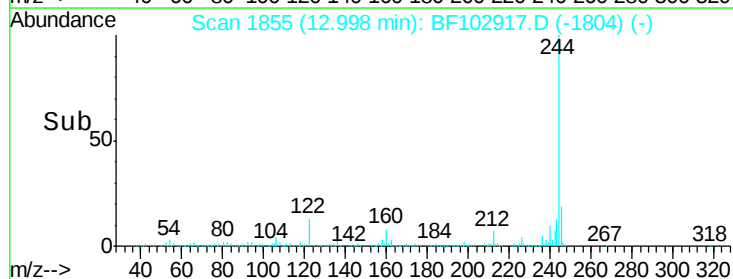
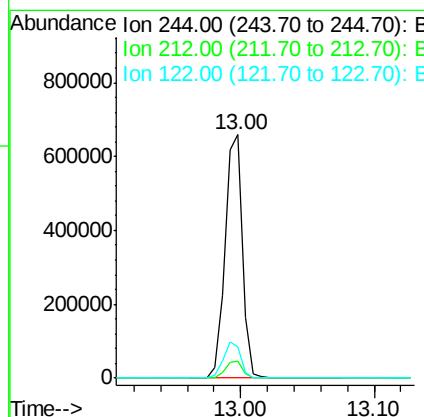
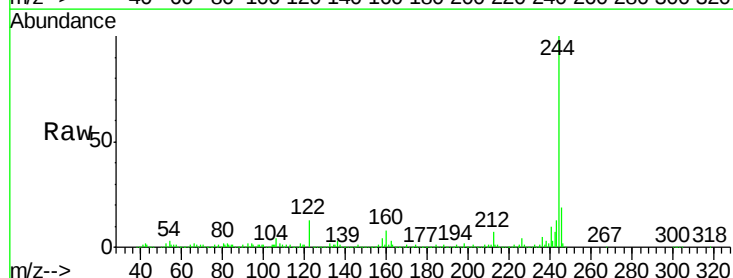
RT: 13.00 min Scan# 1855

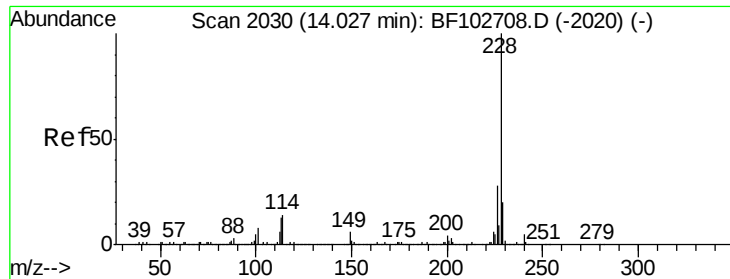
Delta R.T. -0.00 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Tgt Ion:	244	Resp:	607883
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	12.7	11.0	16.4





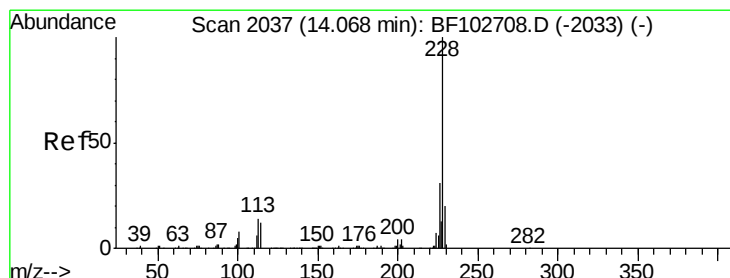
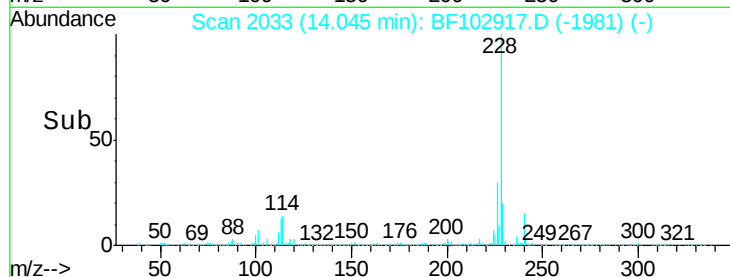
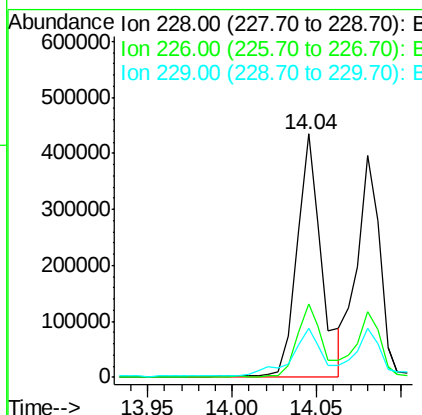
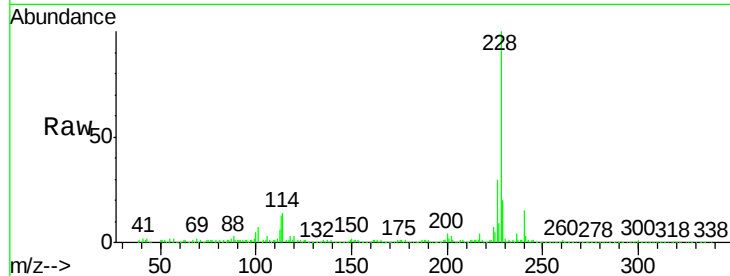
#80
Benzo(a)anthracene
Concen: 21.575 ng
RT: 14.04 min Scan# 2033
Delta R.T. 0.01 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Instrument :
BNA_F
ClientSampled :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.9	22.6	33.8
229	20.4	15.8	23.6

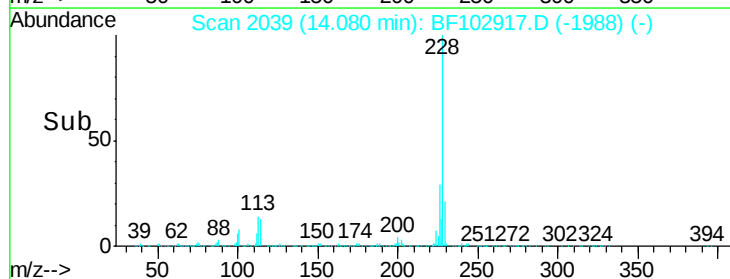
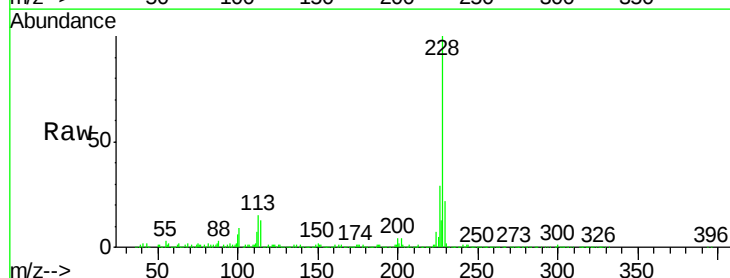
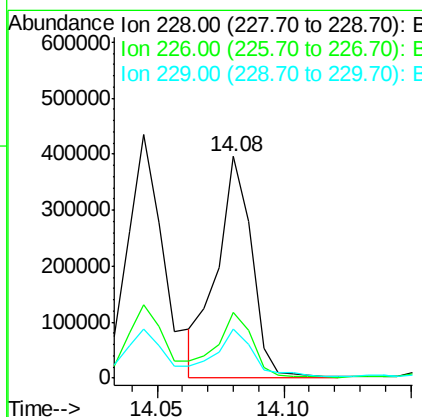
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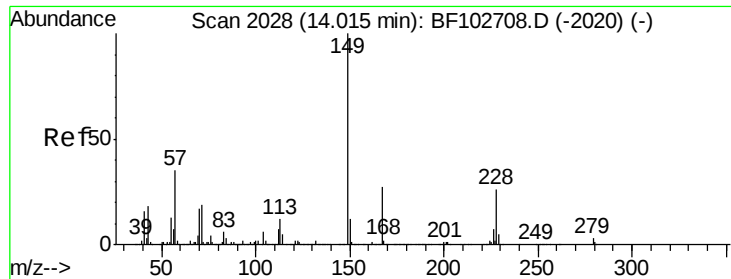
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#82
Chrysene
Concen: 18.454 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.00 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.1	16.2	24.4





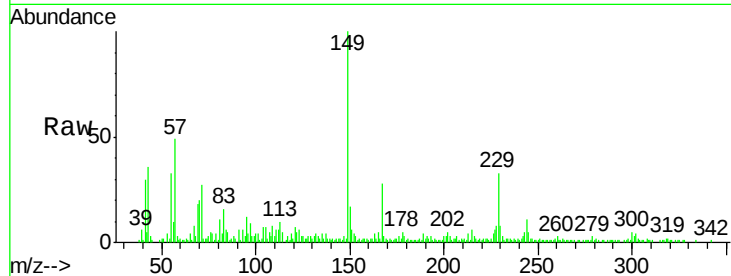
#83
Bis(2-ethylhexyl)phthalate
Concen: 3.246 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.00 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.3	31.9
279	3.5	3.0	4.4

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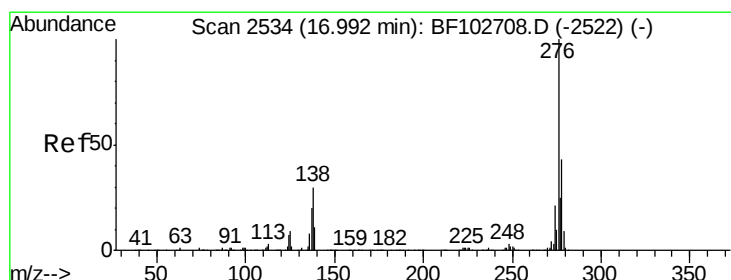
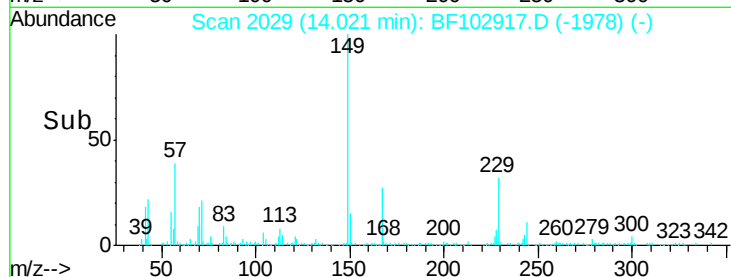
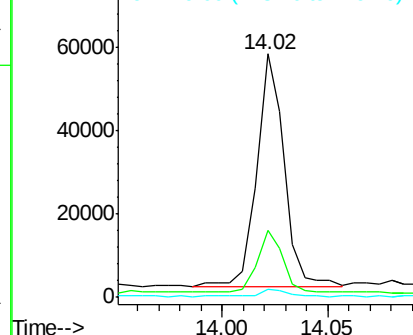


Abundance

Ion 149.00 (148.70 to 149.70): E

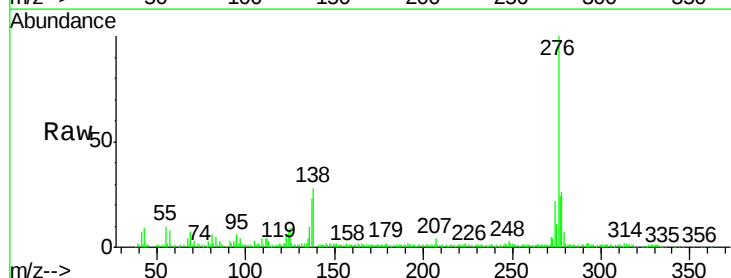
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.928 ng
RT: 17.05 min Scan# 2544
Delta R.T. 0.04 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	24.2	20.1	30.1

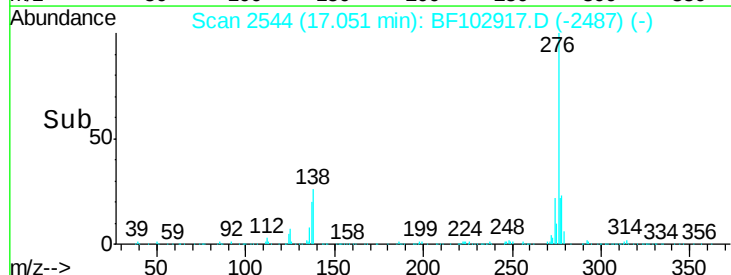
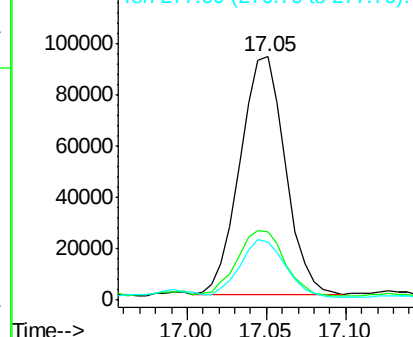


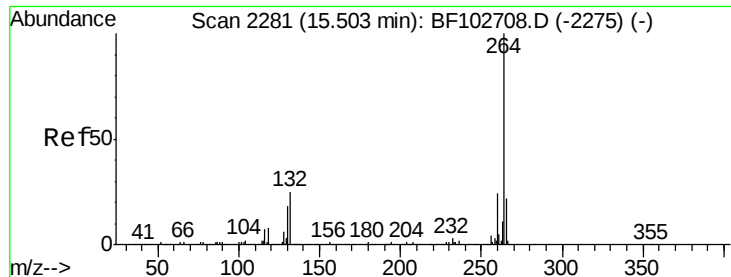
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





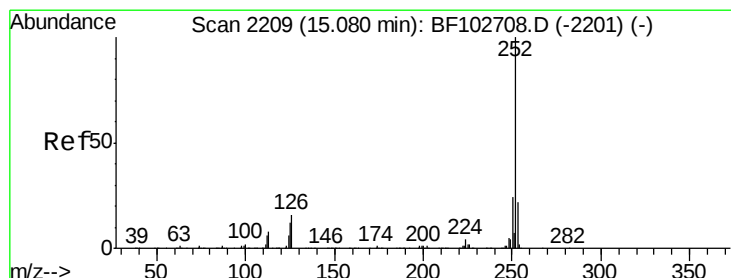
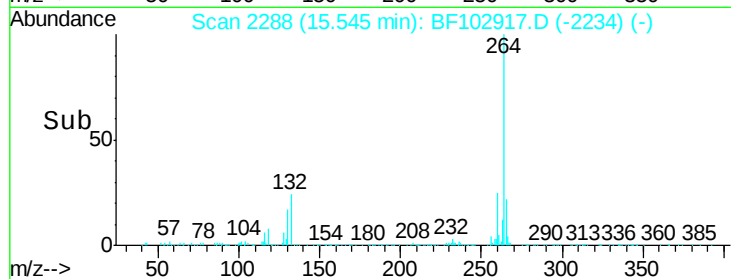
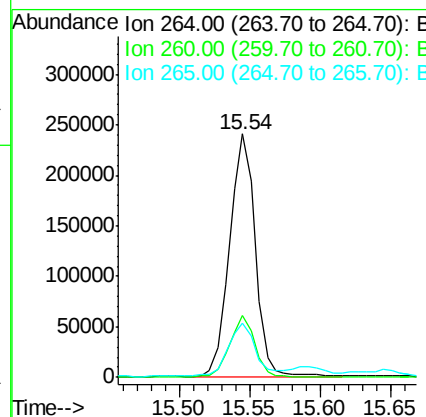
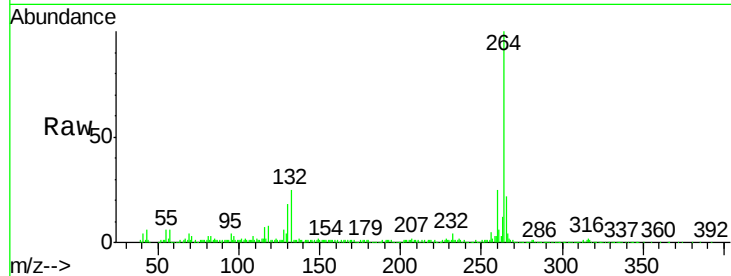
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. 0.02 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.2	28.8
265	22.2	17.5	26.3

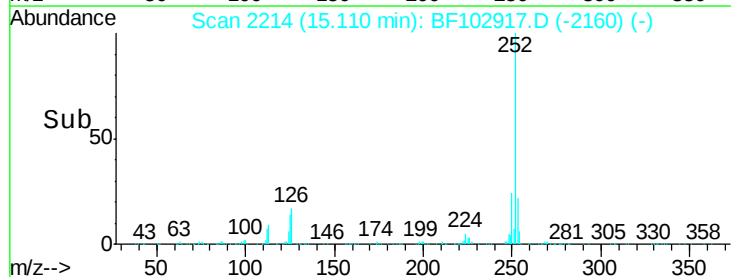
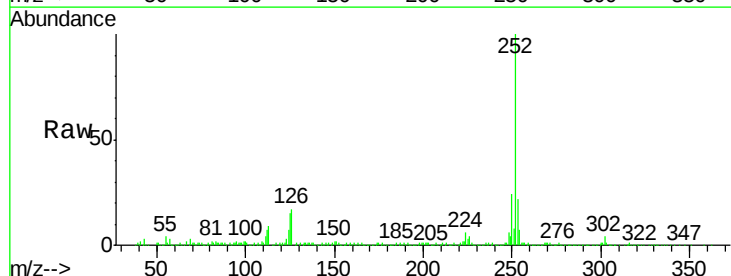
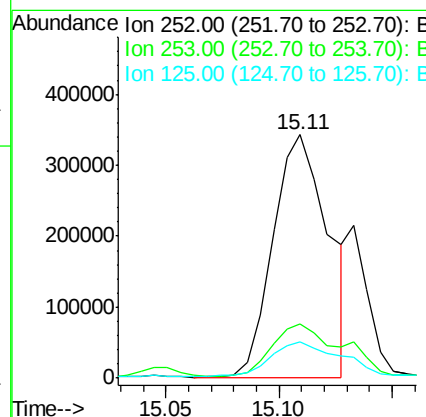
Manual Integrations
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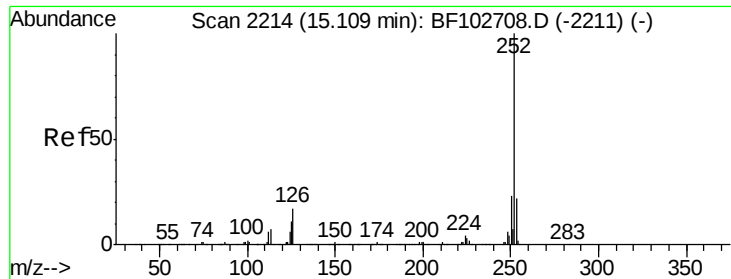
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#87
Benzo(b)fluoranthene
Concen: 29.608 ng m
RT: 15.11 min Scan# 2214
Delta R.T. 0.02 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	14.9	9.0	13.6





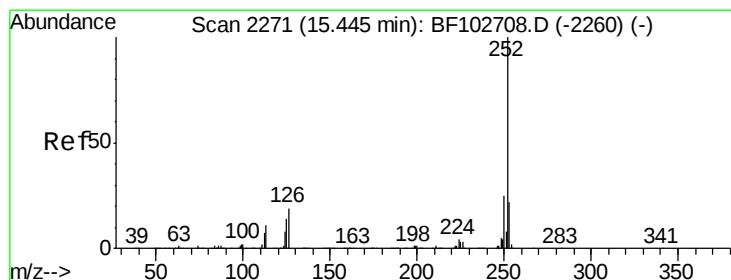
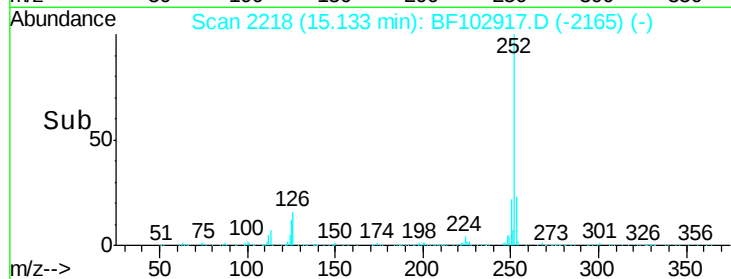
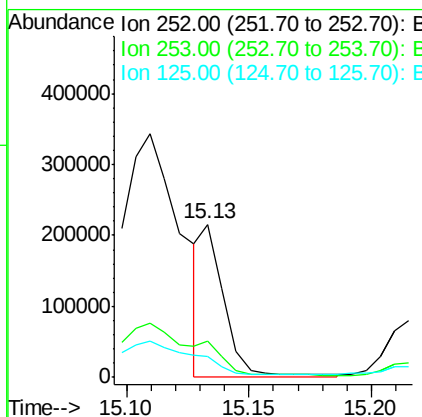
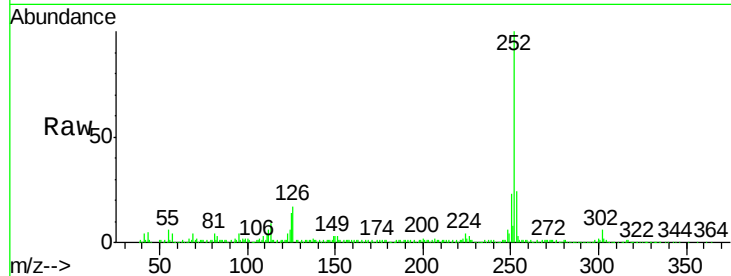
#88
Benzo(k)fluoranthene
Concen: 7.492 ng m
RT: 15.13 min Scan# 2218
Delta R.T. 0.01 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Instrument :
BNA_F
ClientSampleId :
SAMPLE-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	13.8	10.2	15.2

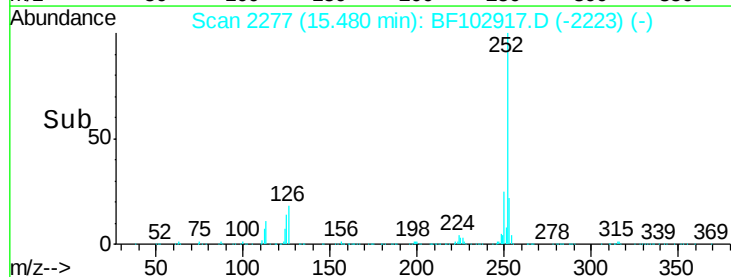
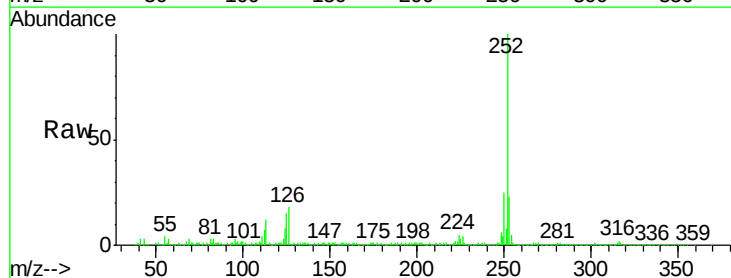
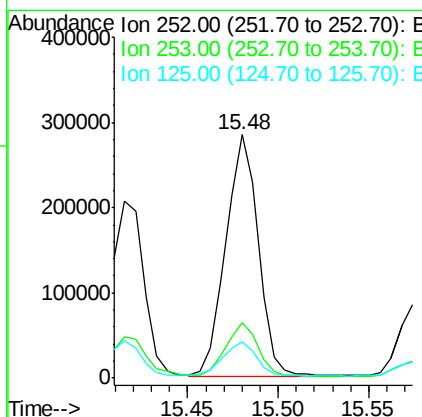
Manual Integrations
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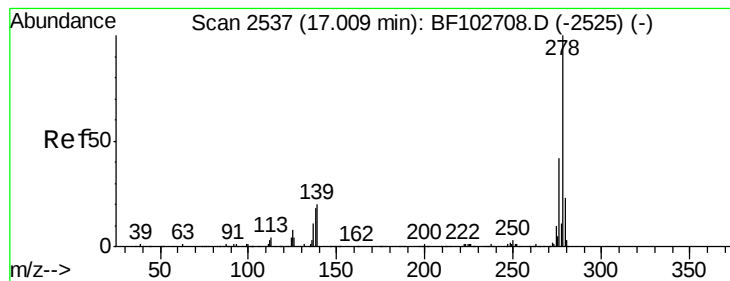
Sohil
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#89
Benzo(a)pyrene
Concen: 20.272 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF102917.D
Acq: 12 Feb 2018 13:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	15.0	9.8	14.6





#90

Dibenzo(a,h)anthracene

Concen: 3.390 ng

RT: 17.05 min Scan# 2544

Delta R.T. 0.01 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Instrument :

BNA_F

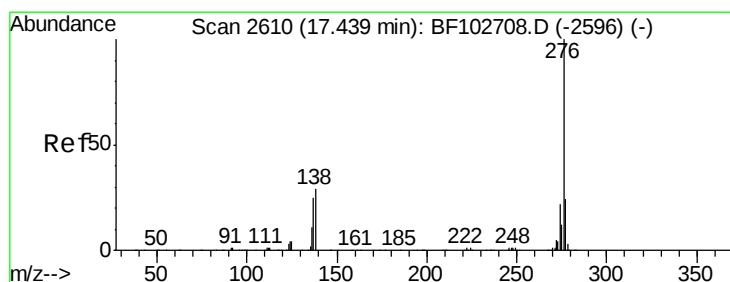
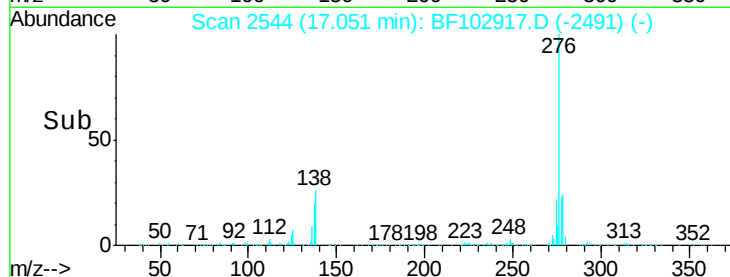
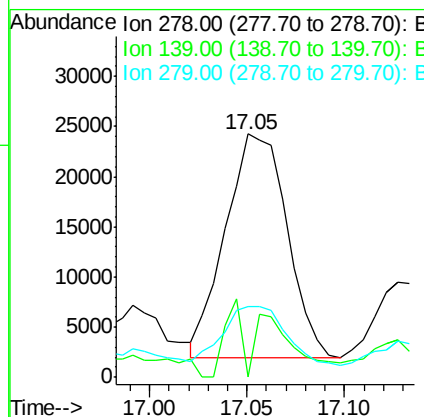
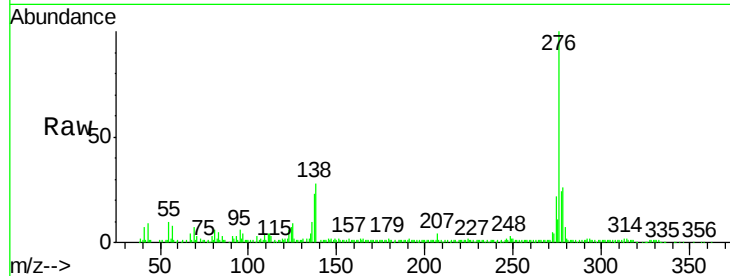
ClientSampleId :

SAMPLE-1

Tot Ion:	278	Resp:	48552
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	29.0	19.0	28.4#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 12.739 ng

RT: 17.51 min Scan# 2622

Delta R.T. 0.04 min

Lab File: BF102917.D

Acq: 12 Feb 2018 13:45

Tgt Ion:	276	Resp:	178551
Ion Ratio	Lower	Upper	
276	100		
277	23.3	17.9	26.9
138	29.3	21.8	32.8

