

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF021618\
 Data File : BF103066.D
 Acq On : 16 Feb 2018 21:26
 Operator : SJ/JU
 Sample : J1540-01
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-NW(10-15)

Manual Integrations
 APPROVED

Sohil
 2/19/2018 11:12:48 AM

Quant Time: Feb 19 10:32:26 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 16 14:34:49 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	187515	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	728284	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	280861	20.00	ng	0.00
63) Phenanthrene-d10	11.41	188	376096	20.00	ng	0.00
75) Chrysene-d12	14.07	240	200993	20.00	ng	0.01
86) Perylene-d12	15.57	264	186157	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1426512	115.53	ng	0.01
7) Phenol-d6	6.52	99	1687004	113.47	ng	0.00
23) Nitrobenzene-d5	7.45	82	1048132	99.84	ng	0.00
41) 2,4,6-Tribromophenol	10.71	330	257258	113.80	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1308084	77.28	ng	0.00
78) Terphenyl-d14	13.00	244	696597	82.06	ng	0.01
Target Compounds						
10) Phenol	6.53	94	53392	3.351	ng	98
31) Naphthalene	8.18	128	77064	2.166	ng	98
37) 2-Methylnaphthalene	8.87	142	67026	2.877	ng	99
49) Dimethylphthalate	9.62	163	121384	5.543	ng	# 98
57) Fluorene	10.46	166	38943	2.196	ng	# 95
70) Phenanthrene	11.43	178	328523	15.684	ng	99
71) Anthracene	11.48	178	81940m	3.846	ng	
74) Fluoranthene	12.63	202	265396	12.593	ng	98
77) Pyrene	12.86	202	246033	15.610	ng	96
80) Benzo(a)anthracene	14.06	228	107511	8.505	ng	# 87
82) Chrysene	14.09	228	111706	8.767	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.09	276	52705	4.987	ng	97
87) Benzo(b)fluoranthene	15.13	252	111569m	9.244	ng	
88) Benzo(k)fluoranthene	15.16	252	39506m	3.426	ng	
89) Benzo(a)pyrene	15.51	252	78500m	7.226	ng	
91) Benzo(g,h,i)perylene	17.55	276	51456	5.962	ng	# 87

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

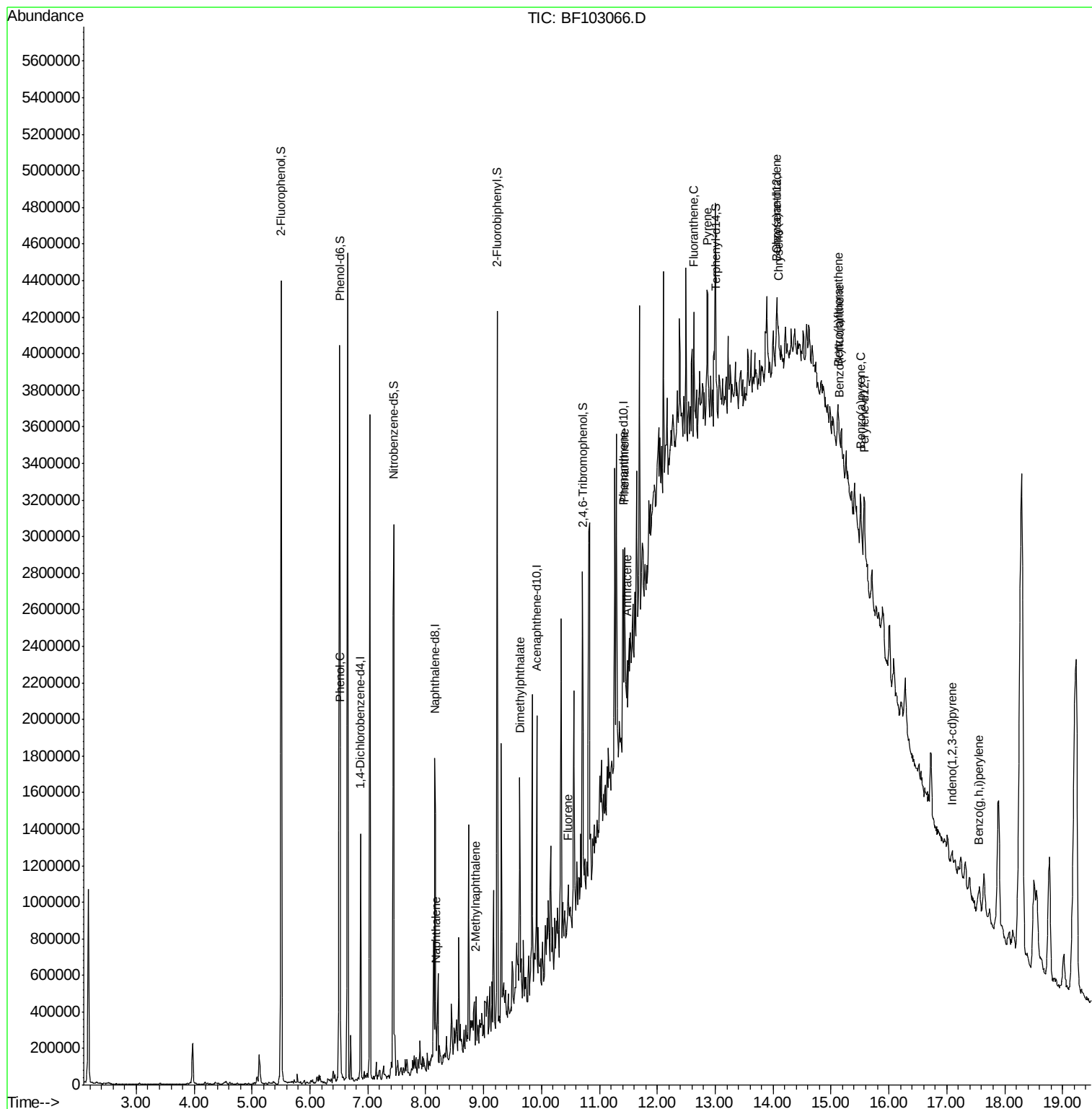
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021618\
Data File : BF103066.D
Acq On : 16 Feb 2018 21:26
Operator : SJ/JU
Sample : J1540-01
Misc :
ALS Vial : 26 Sample Multiplier: 1

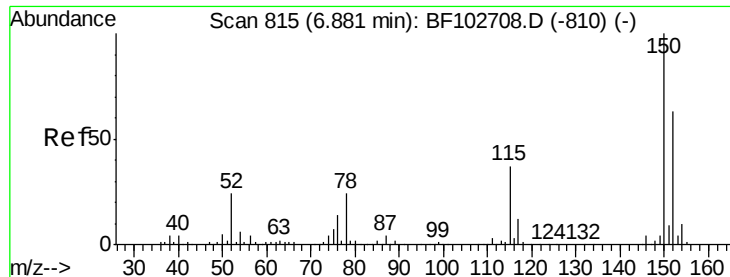
Instrument :
BNA_F
ClientSampleId :
CB-1-NW(10-15)

Manual Integrations
APPROVED

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Quant Time: Feb 19 10:32:26 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

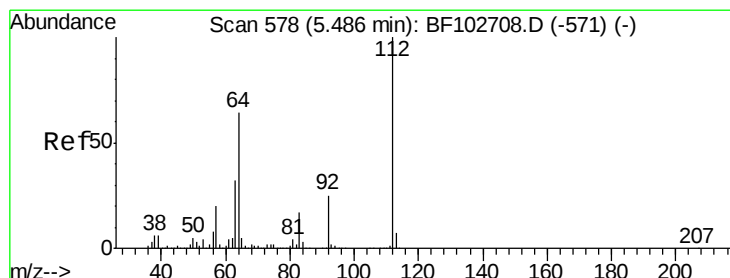
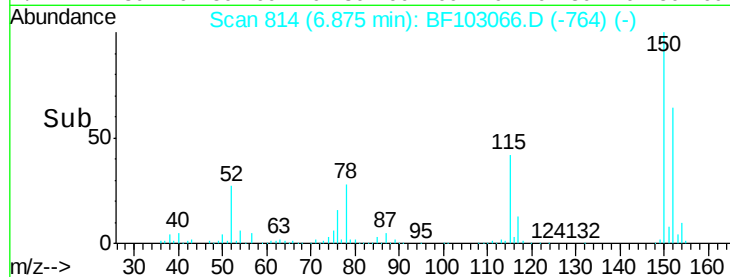
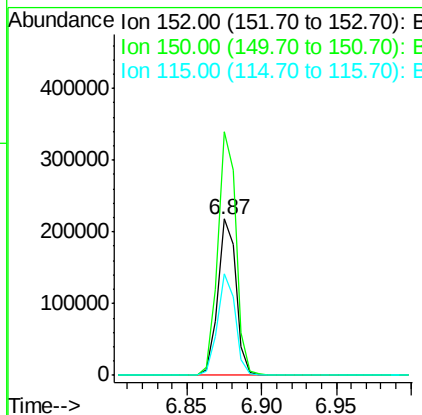
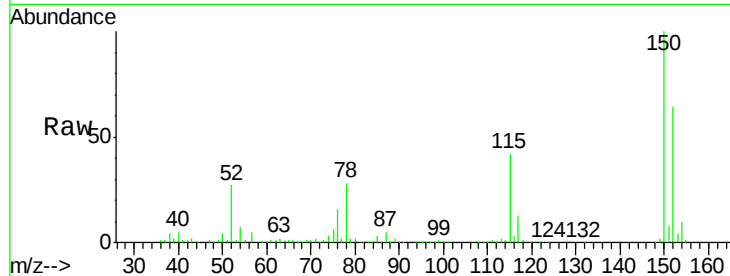
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(10-15)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.8	124.6	186.8
115	65.3	50.1	75.1

Manual Integrations
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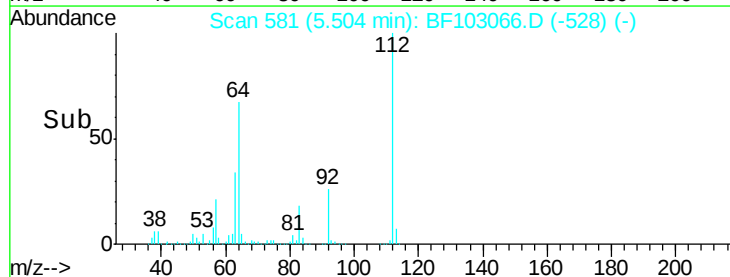
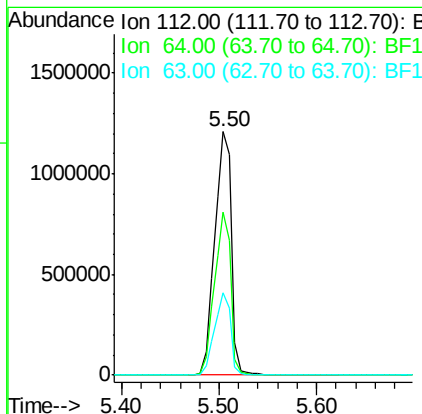
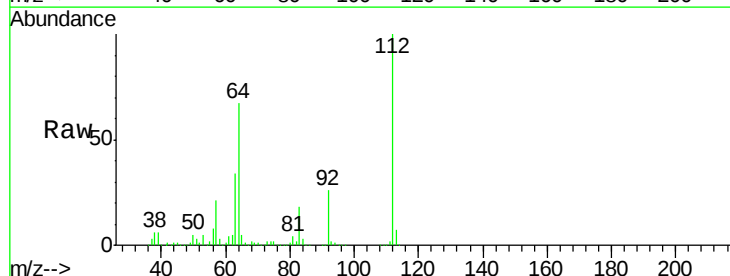
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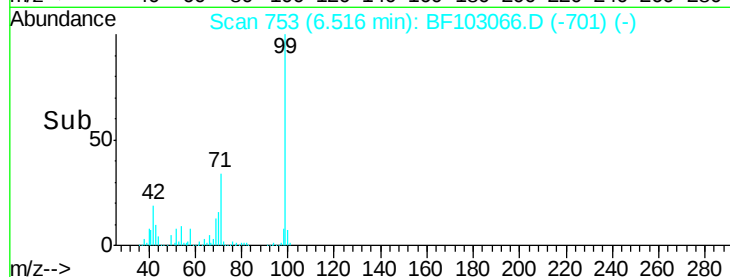
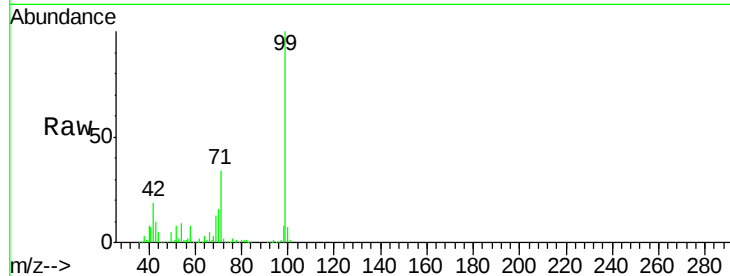
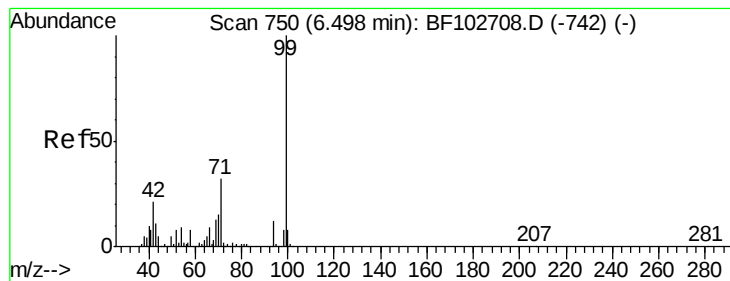


#5

2-Fluorophenol
Concen: 115.532 ng
RT: 5.50 min Scan# 581
Delta R.T. 0.01 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.8	47.9	71.9
63	33.9	23.7	35.5





#7

Phenol-d6

Concen: 113.473 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Tgt Ion:	99	Resp:	1687004
Ion	Ratio	Lower	Upper
99	100		
42	19.0	14.5	21.7
71	34.2	25.4	38.0

Instrument :

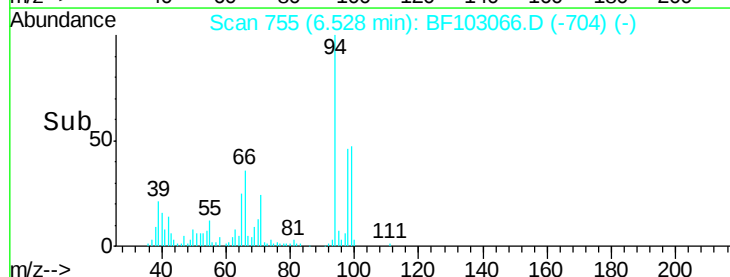
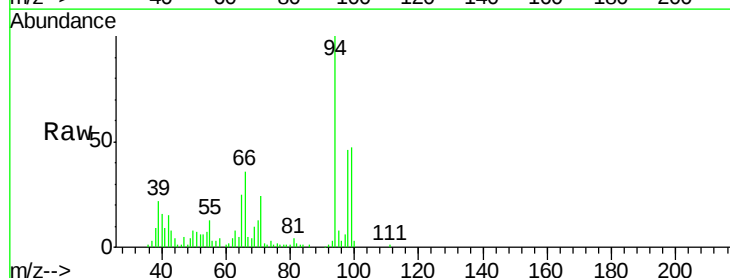
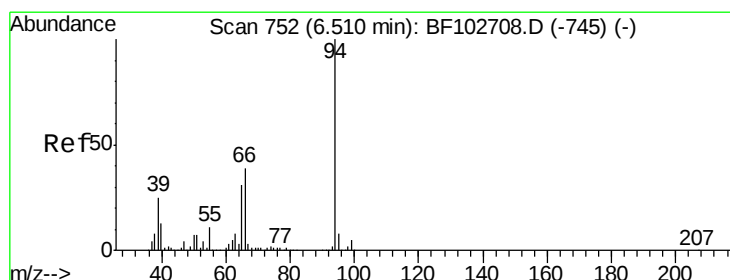
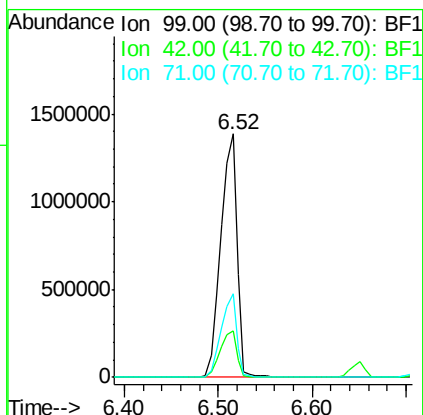
BNA_F

ClientSampleId :

CB-1-NW(10-15)

Manual Integrations
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#10

Phenol

Concen: 3.351 ng

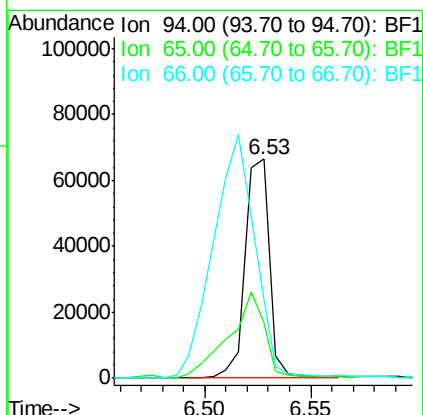
RT: 6.53 min Scan# 755

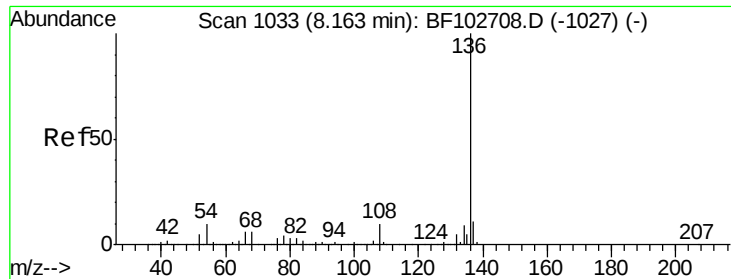
Delta R.T. -0.00 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Tgt Ion:	94	Resp:	53392
Ion	Ratio	Lower	Upper
94	100		
65	25.4	7.9	47.9
66	36.0	16.2	56.2





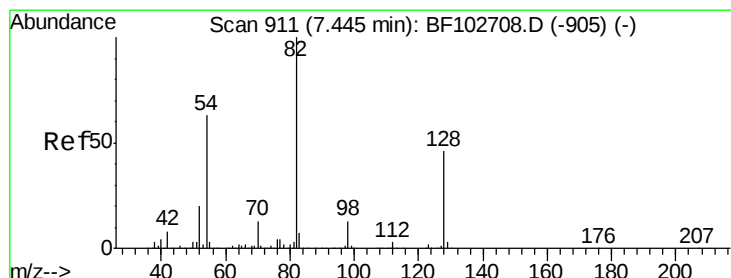
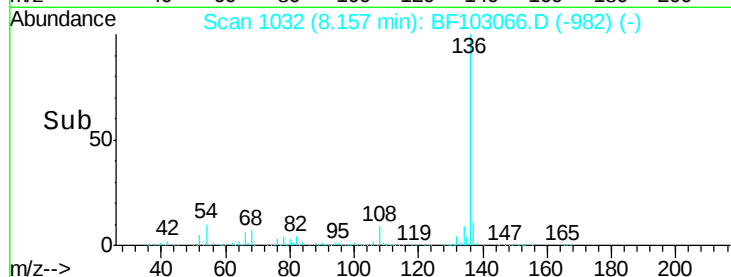
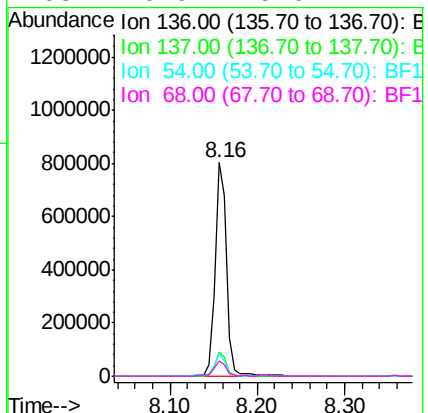
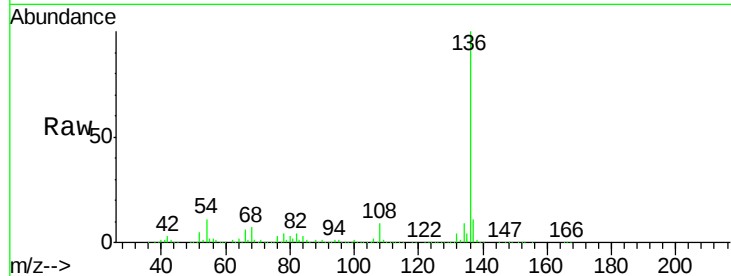
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(10-15)

Tgt Ion	Ratio	Resp	Lower	Upper
136	100	728284		
137	11.2	8.9	13.3	
54	10.5	6.6	9.8	
68	6.9	5.0	7.4	

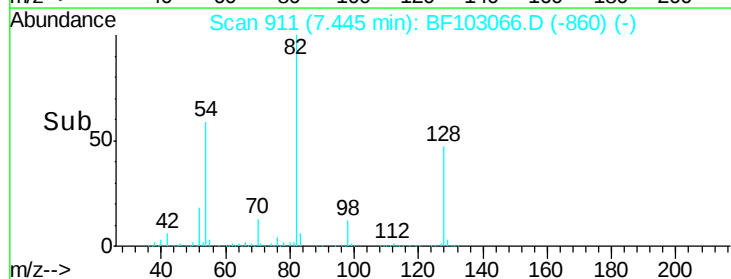
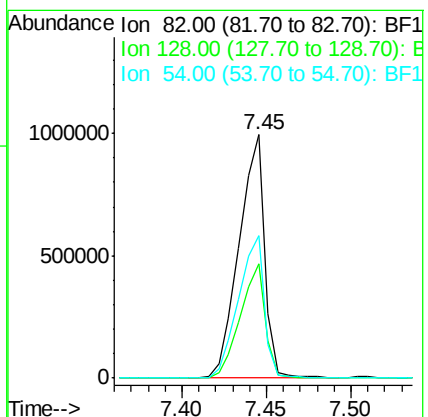
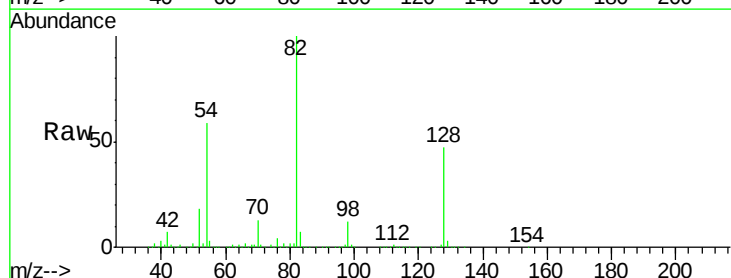
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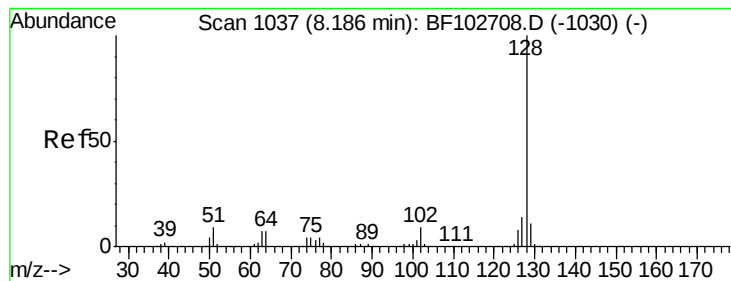
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#23
Nitrobenzene-d5
Concen: 99.837 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.00 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	1048132		
128	47.0	36.1	54.1	
54	58.8	41.4	62.2	





#31

Naphthalene

Concen: 2.166 ng

RT: 8.18 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Instrument :

BNA_F

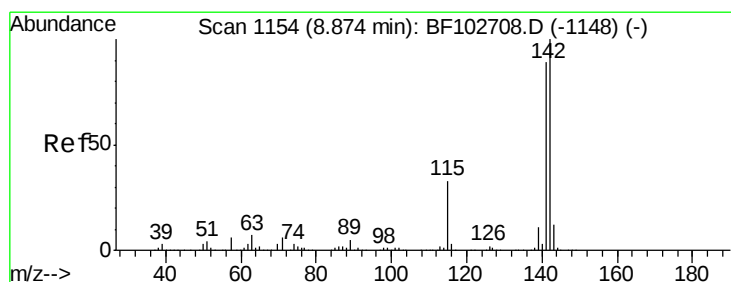
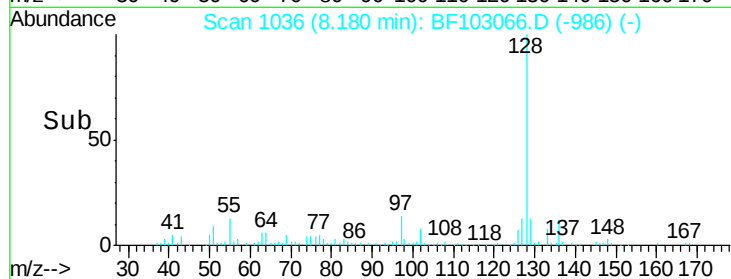
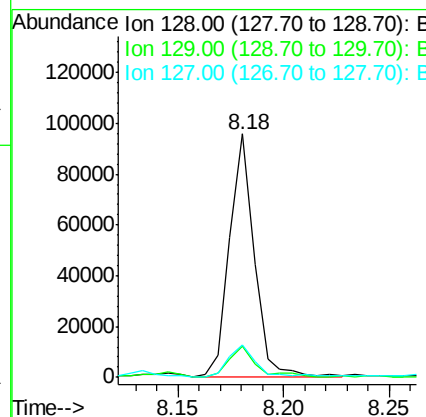
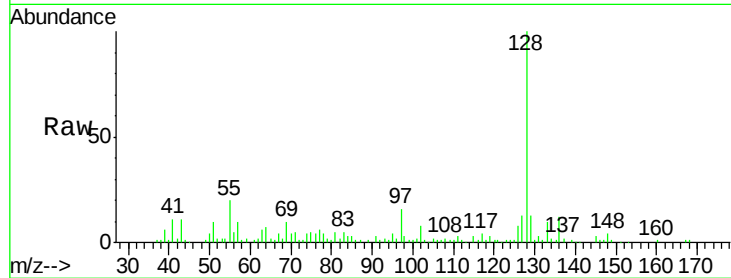
ClientSampleId :

CB-1-NW(10-15)

Tgt Ion:	128	Resp:	77064
Ion Ratio	Lower	Upper	
128	100		
129	13.0	8.8	13.2
127	13.5	10.9	16.3

Manual Integrations
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#37

2-Methylnaphthalene

Concen: 2.877 ng

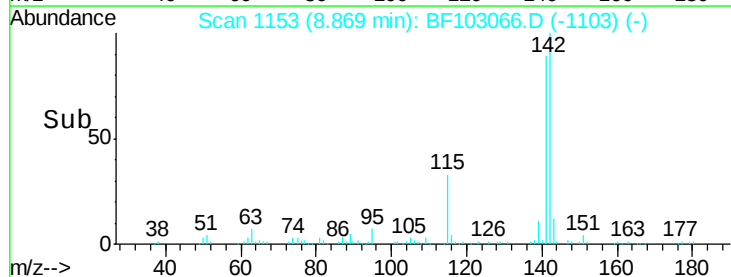
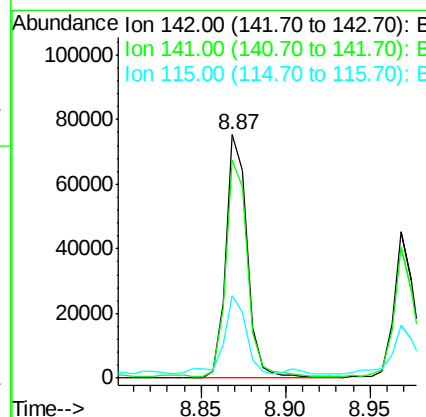
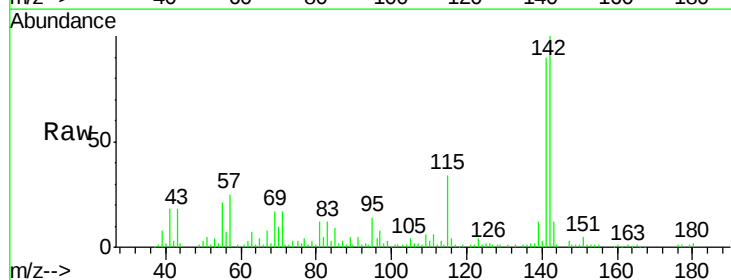
RT: 8.87 min Scan# 1153

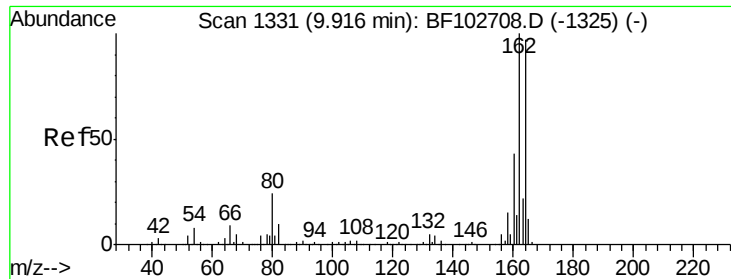
Delta R.T. -0.01 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Tgt Ion:	142	Resp:	67026
Ion Ratio	Lower	Upper	
142	100		
141	89.8	70.8	106.2
115	33.6	26.1	39.1





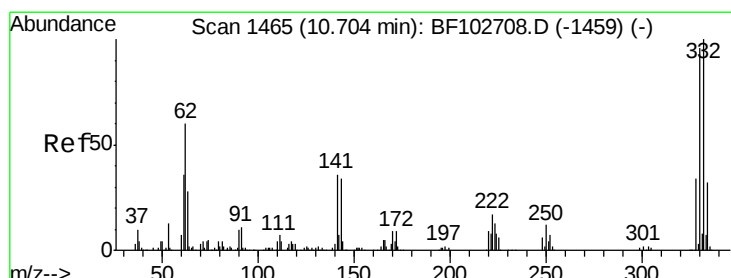
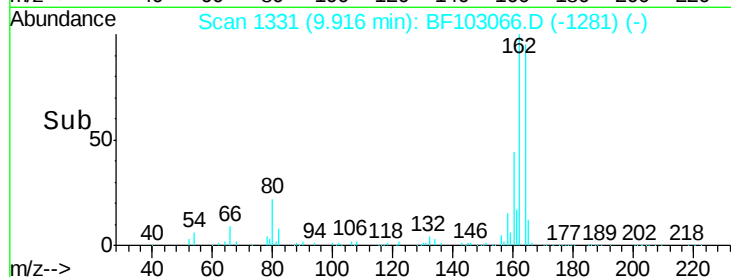
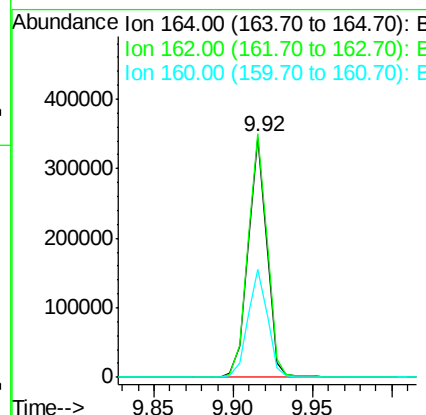
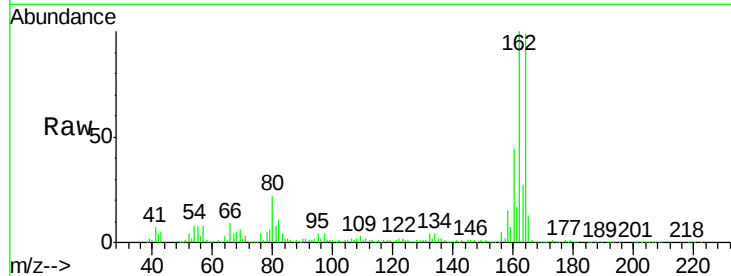
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF103066.D
 Acq: 16 Feb 2018 21:26

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-NW(10-15)

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	280861		
162	101.3	86.1	129.1	
160	44.8	38.3	57.5	

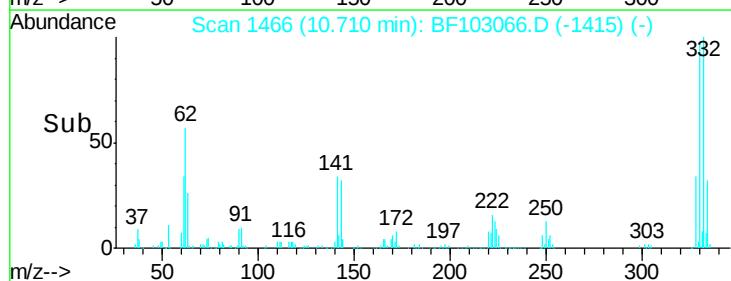
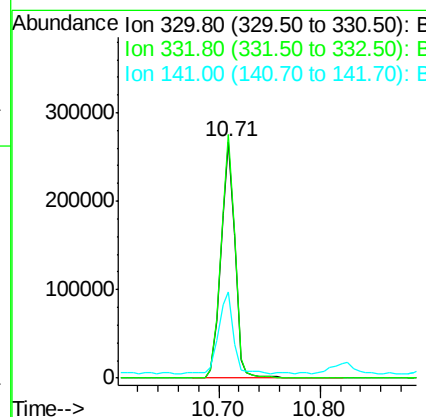
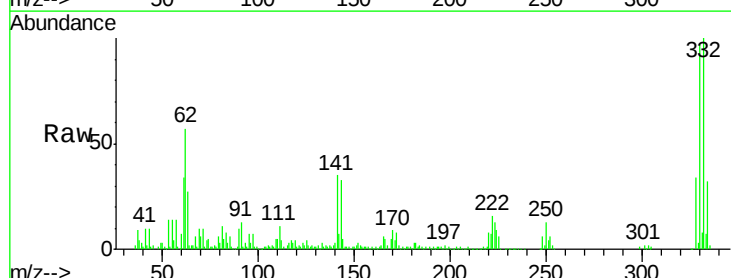
Manual Integrations
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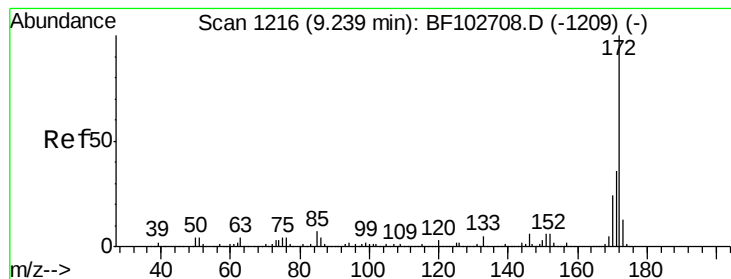
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#41
 2,4,6-Tribromophenol
 Concen: 113.801 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.00 min
 Lab File: BF103066.D
 Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	257258		
332	102.1	77.0	115.6	
141	36.6	29.9	44.9	





#44

2-Fluorobiphenyl

Concen: 77.283 ng

RT: 9.23 min Scan# 1215

Delta R.T. -0.01 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Instrument :

BNA_F

ClientSampleId :

CB-1-NW(10-15)

Tgt Ion:172 Resp: 1308084

Ion Ratio Lower Upper

172 100

171 35.9 29.7 44.5

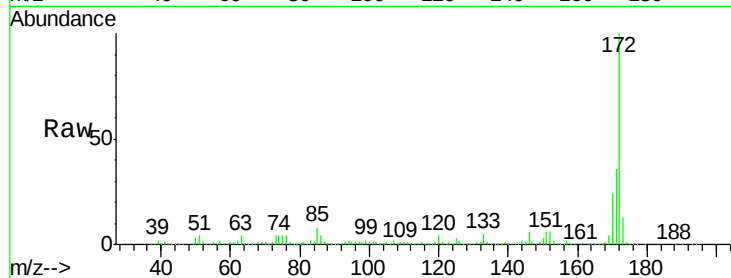
170 24.2 19.6 29.4

Manual Integrations

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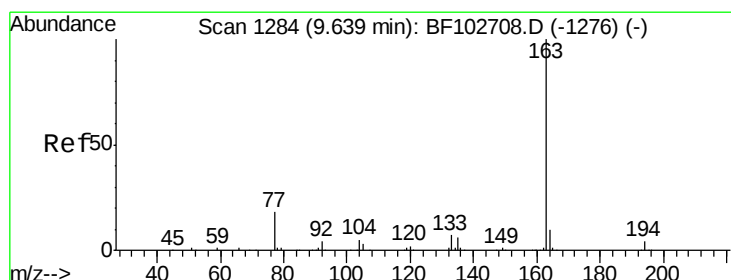
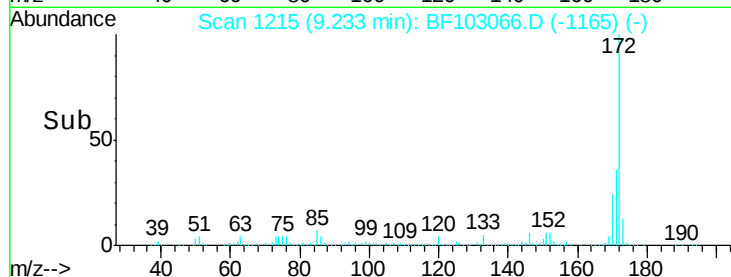
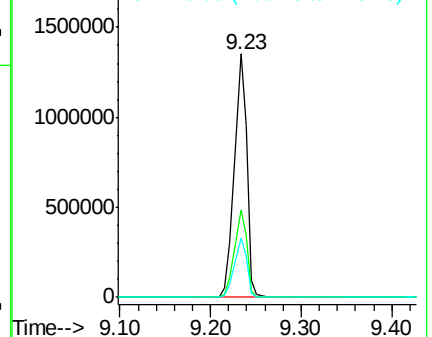
2/19/2018 11:12:48 AM



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



#49

Dimethylphthalate

Concen: 5.543 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.02 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

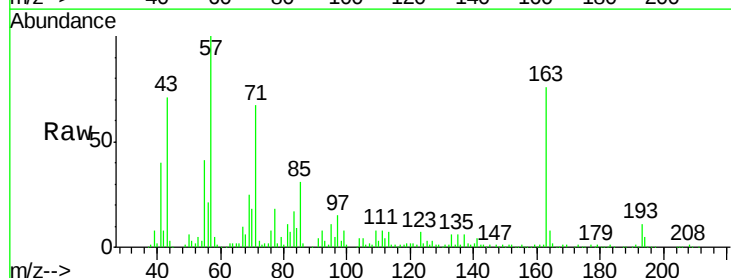
Tgt Ion:163 Resp: 121384

Ion Ratio Lower Upper

163 100

194 5.9 2.7 4.1#

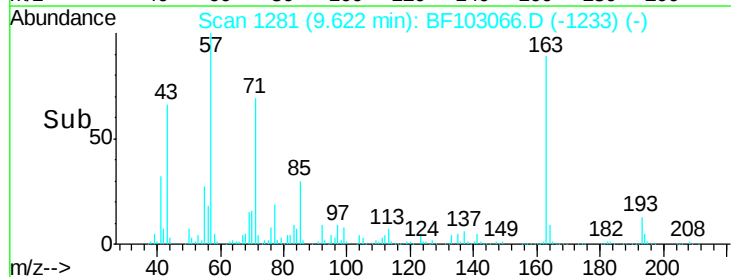
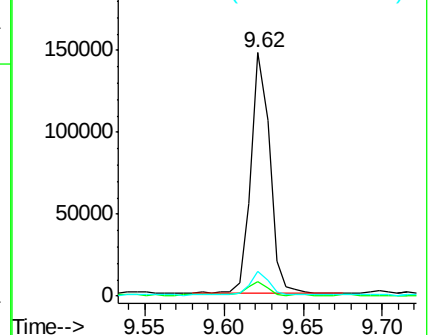
164 10.1 8.2 12.2

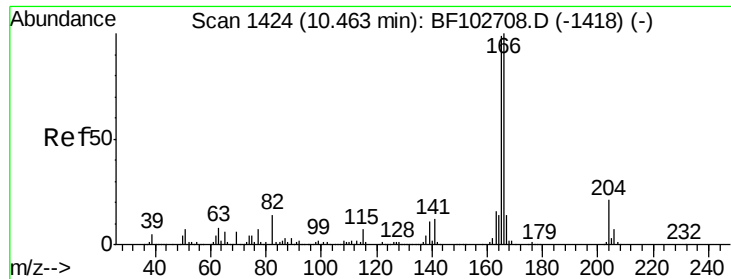


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





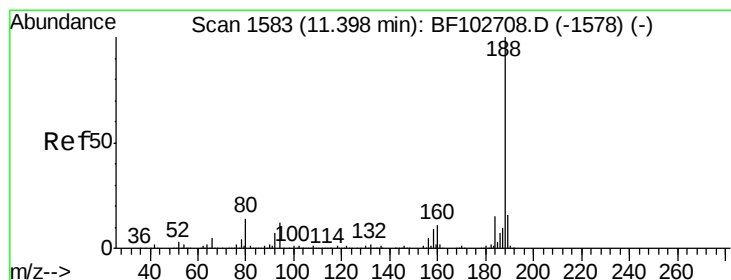
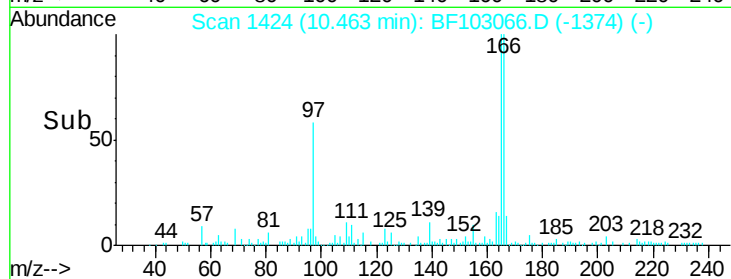
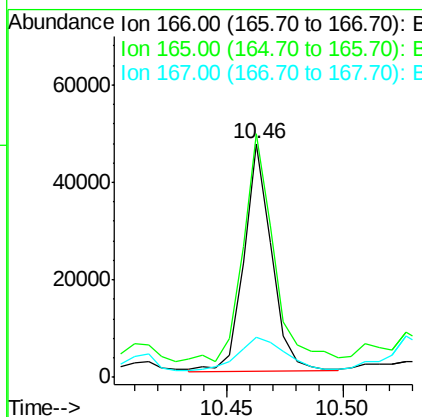
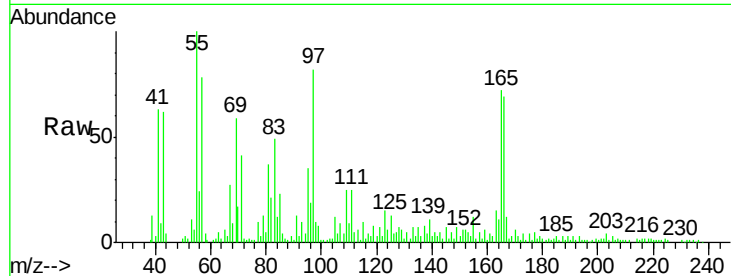
#57
Fluorene
 Concen: 2.196 ng
 RT: 10.46 min Scan# 1424
 Delta R.T. -0.01 min
 Lab File: BF103066.D
 Acq: 16 Feb 2018 21:26

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-NW(10-15)

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	38943		
165	104.2	79.8	119.8	
167	17.1	10.6	16.0	

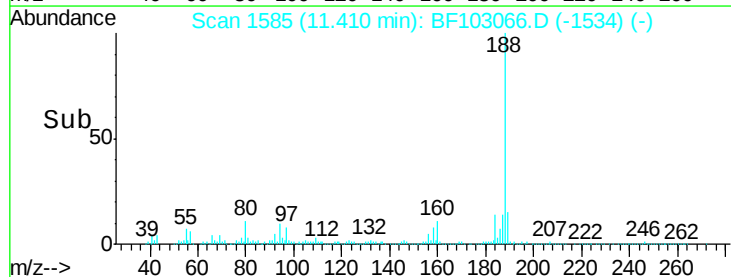
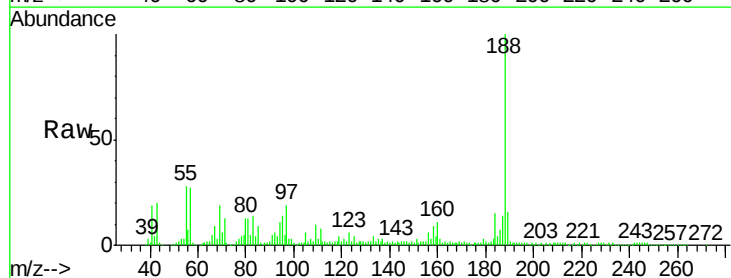
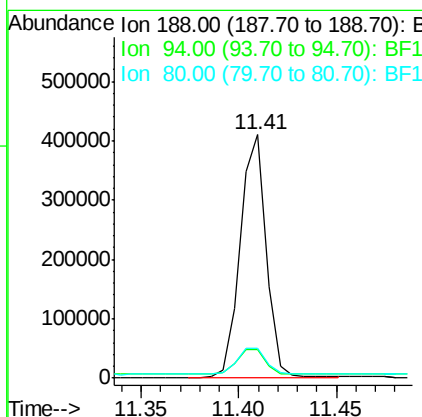
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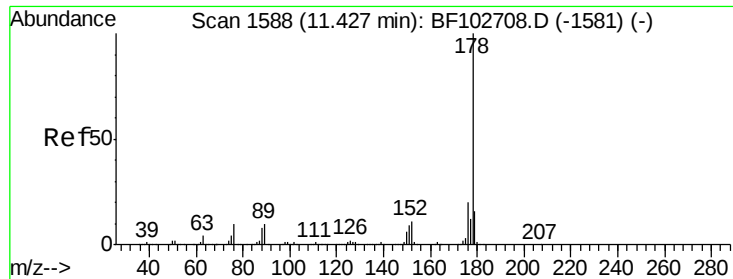
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: BF103066.D
 Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	376096		
94	11.5	8.5	12.7	
80	12.5	9.2	13.8	





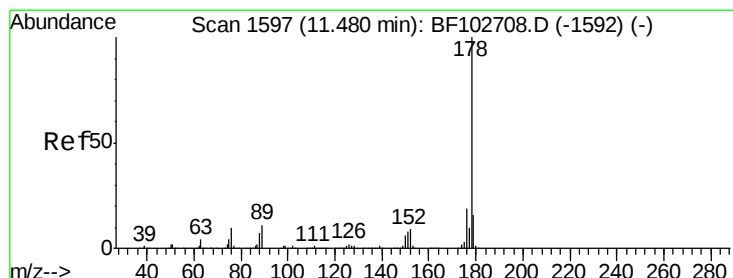
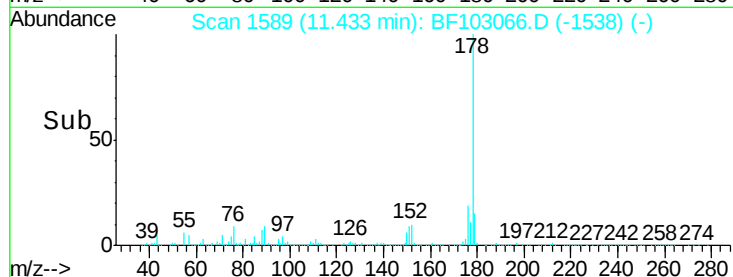
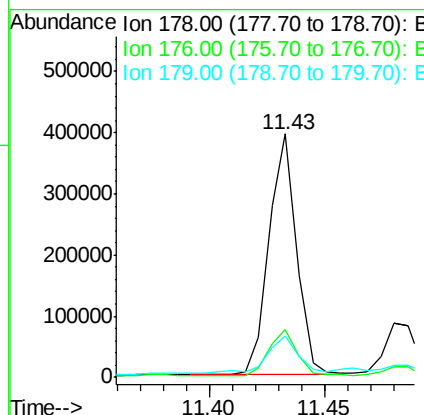
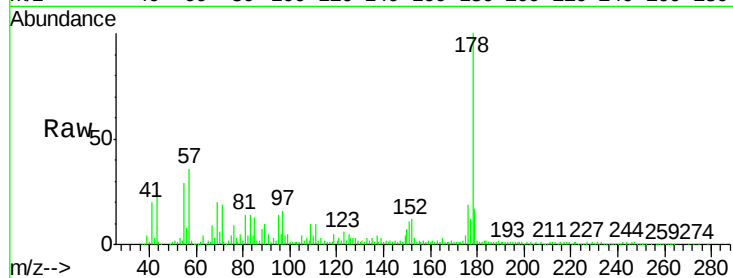
#70
Phenanthrene
Concen: 15.684 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(10-15)

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.8	23.8
179	16.8	13.0	19.6

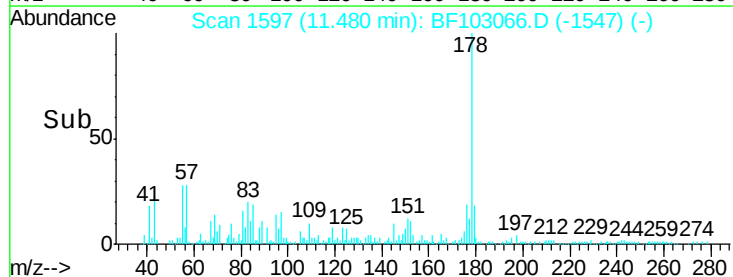
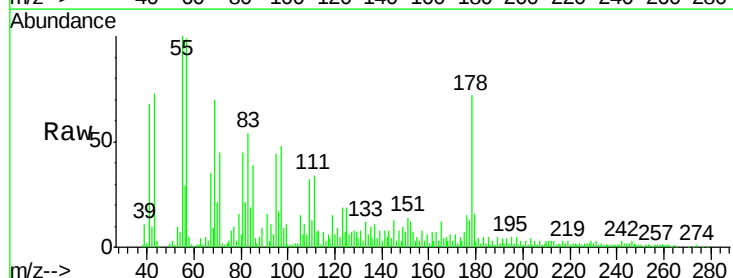
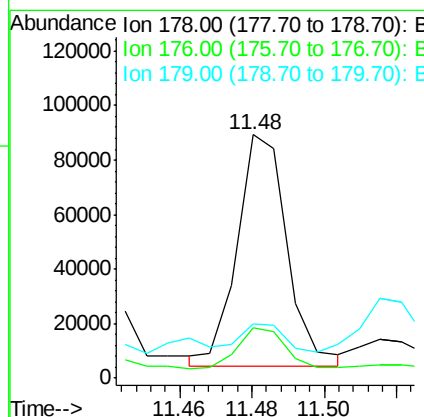
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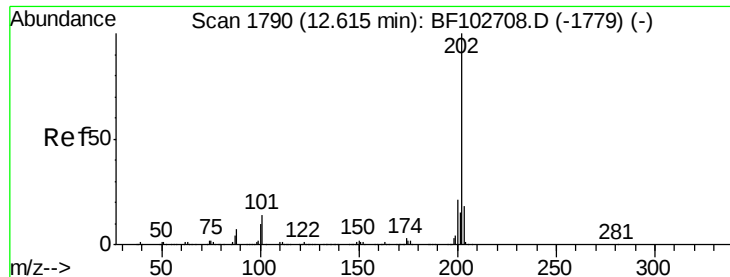
Sohil
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#71
Anthracene
Concen: 3.846 ng m
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.4	23.2
179	22.1	12.6	19.0





#74

Fluoranthene

Concen: 12.593 ng

RT: 12.63 min Scan# 1793

Delta R.T. 0.01 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Instrument :

BNA_F

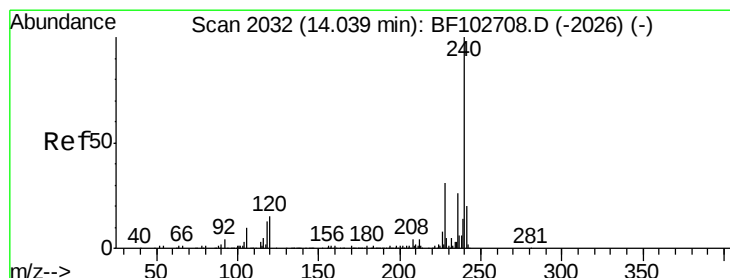
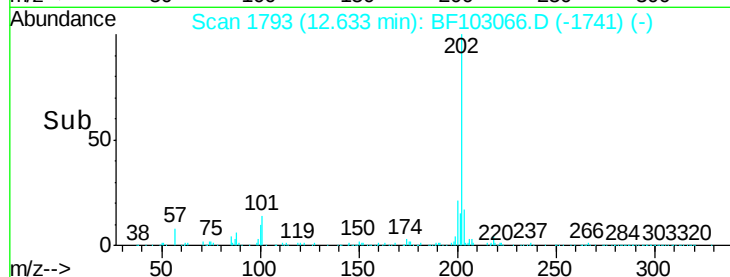
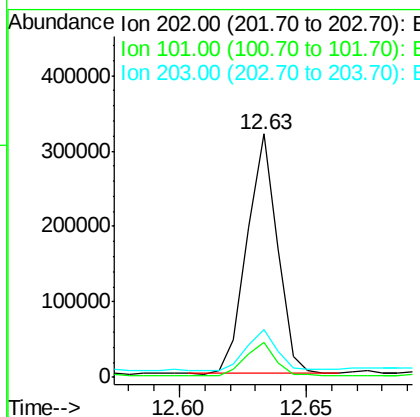
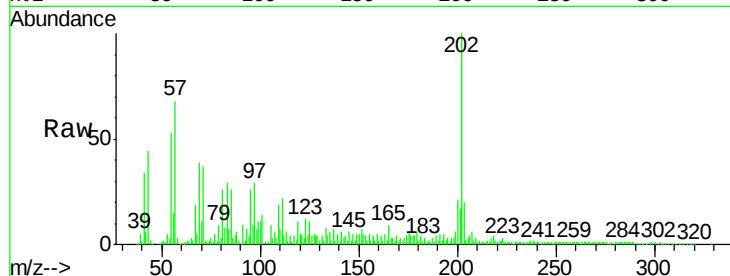
ClientSampleId :

CB-1-NW(10-15)

Tgt	Ion	Ratio	Resp	Lower	Upper
202	100		265396		
101	14.2	0.0	34.1		
203	19.6	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

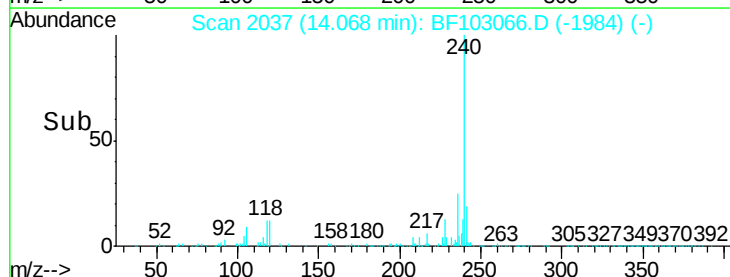
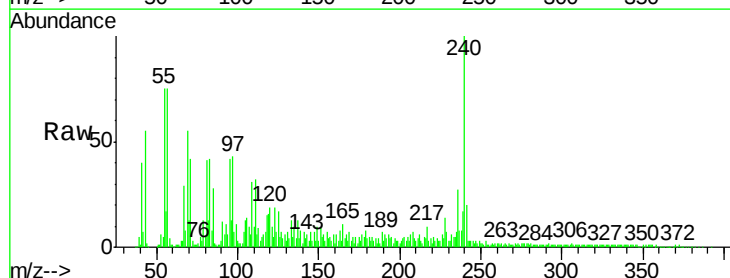
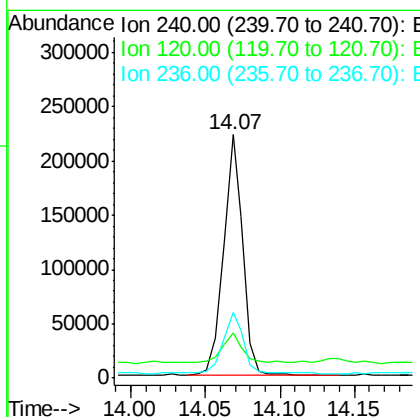
RT: 14.07 min Scan# 2037

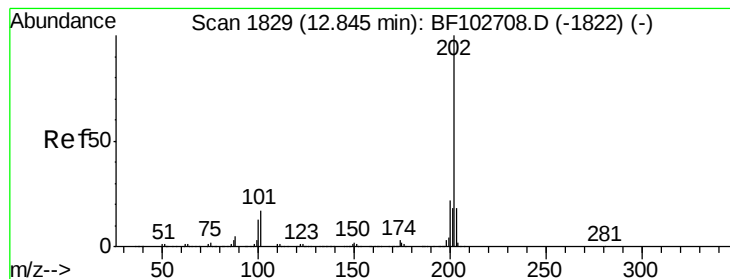
Delta R.T. 0.01 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Tgt	Ion	Ratio	Resp	Lower	Upper
240	100		200993		
120	18.6	9.5	14.3#		
236	27.0	20.7	31.1		





#77

Pyrene

Concen: 15.610 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.01 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Instrument :

BNA_F

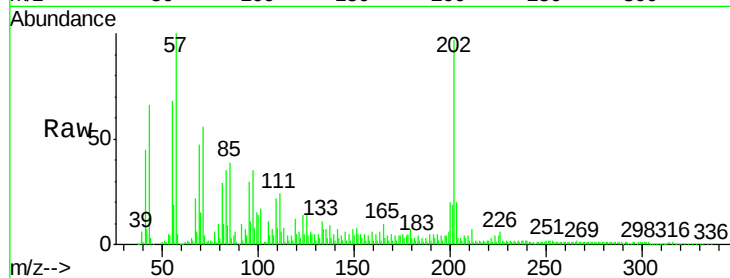
ClientSampleId :

CB-1-NW(10-15)

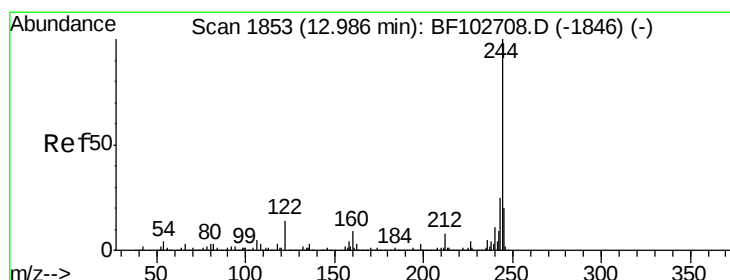
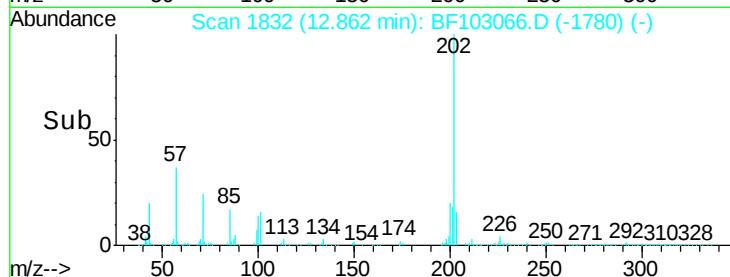
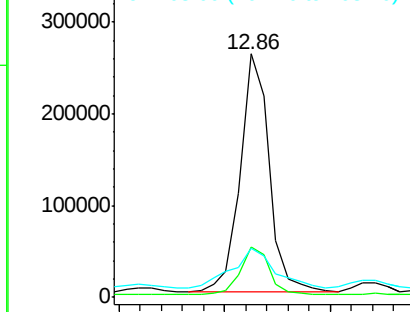
Tgt Ion:	202	Resp:	246033
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	20.1	14.3	21.5

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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: 82.062 ng

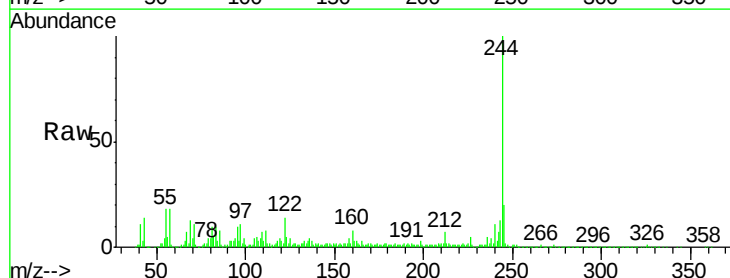
RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

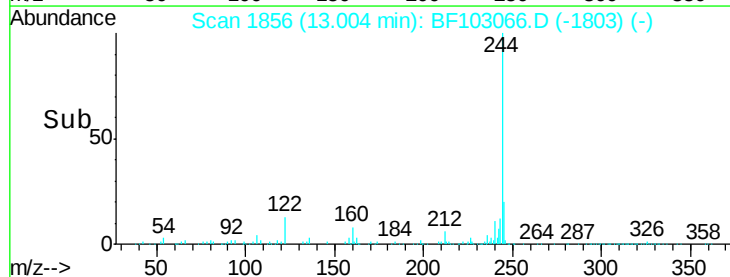
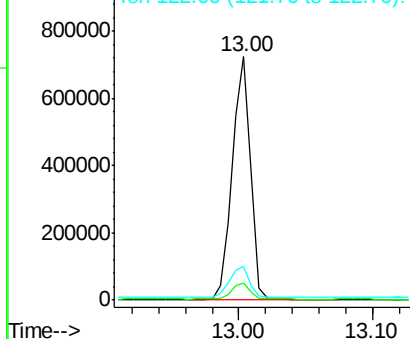
Lab File: BF103066.D

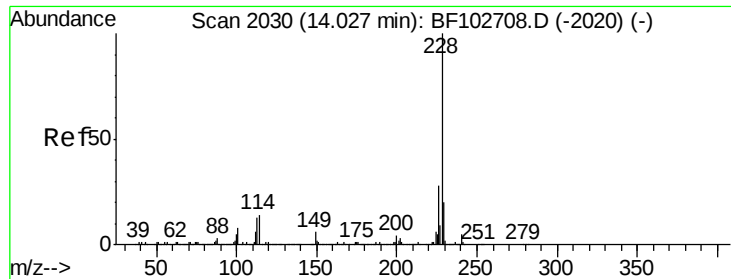
Acq: 16 Feb 2018 21:26

Tgt Ion:	244	Resp:	696597
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	14.1	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





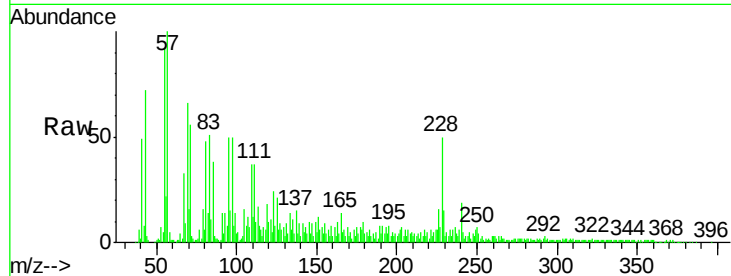
#80
Benzo(a)anthracene
Concen: 8.505 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(10-15)

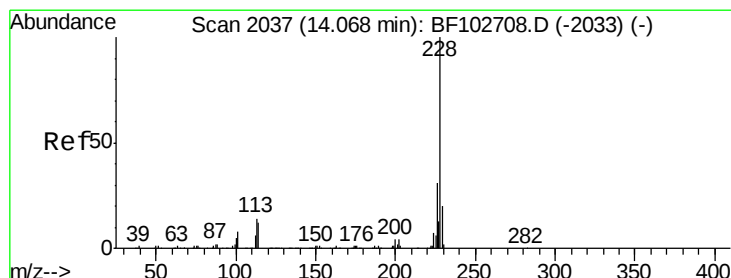
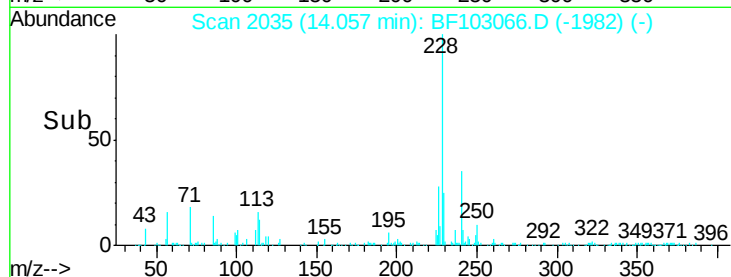
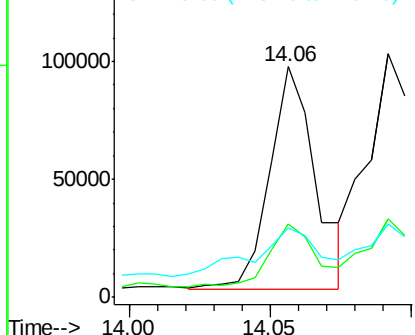
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.6	22.6	33.8
229	30.3	15.8	23.6

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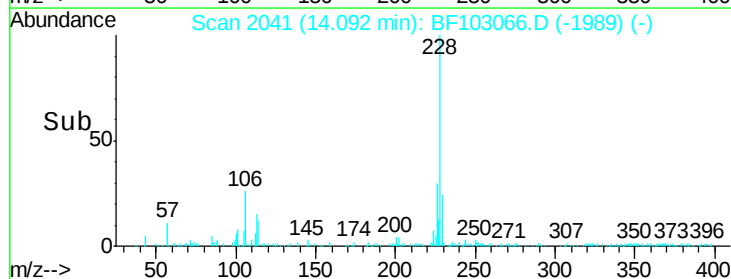
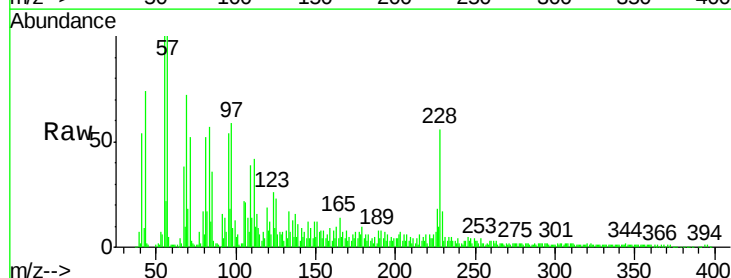
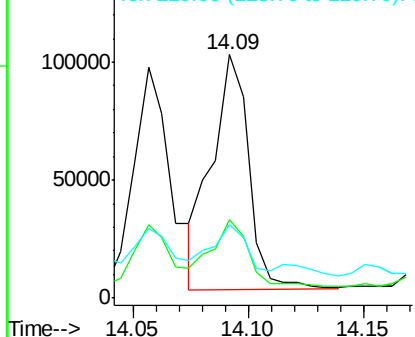
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

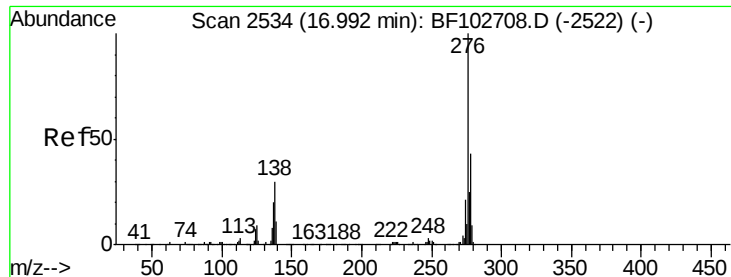


#82
Chrysene
Concen: 8.767 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.4	25.0	37.6
229	30.0	16.2	24.4

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E





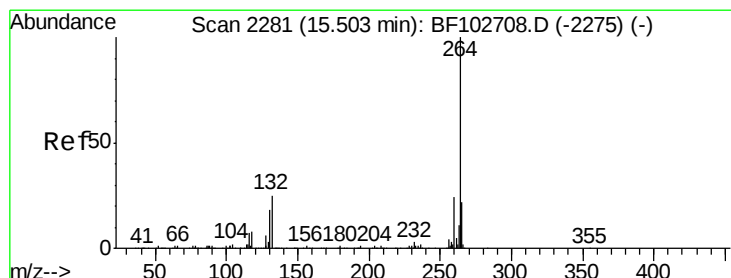
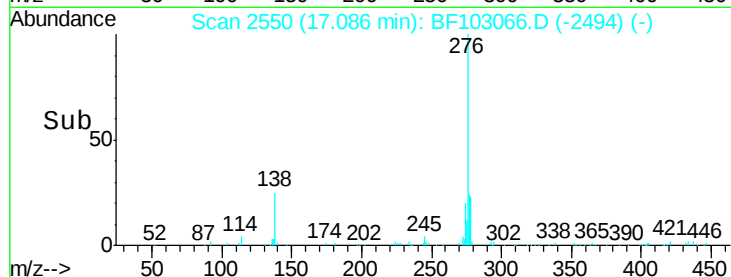
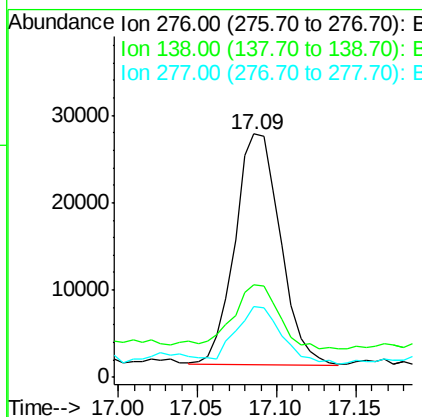
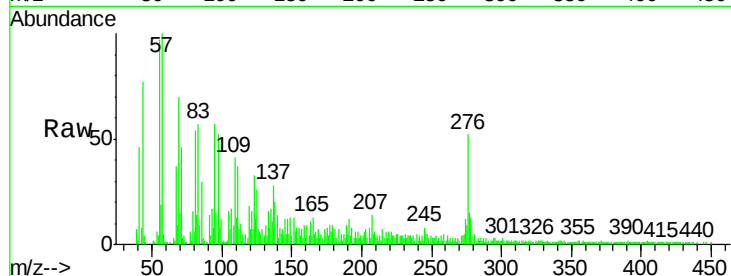
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.987 ng
RT: 17.09 min Scan# 2550
Delta R.T. 0.03 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(10-15)

Tgt Ion	Ratio	Lower	Upper
276	100		
138	29.7	25.0	37.6
277	26.1	20.1	30.1

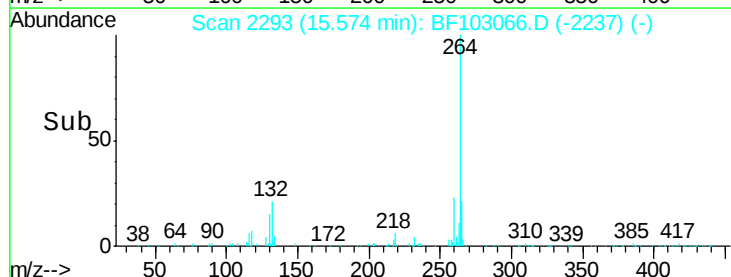
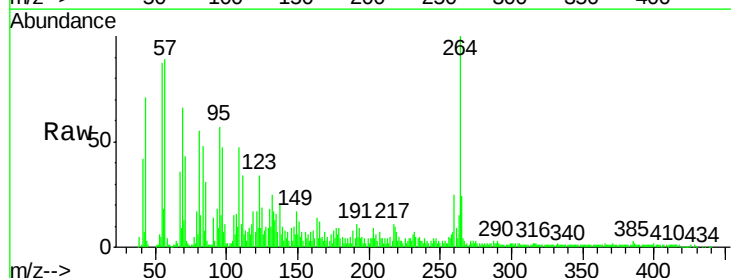
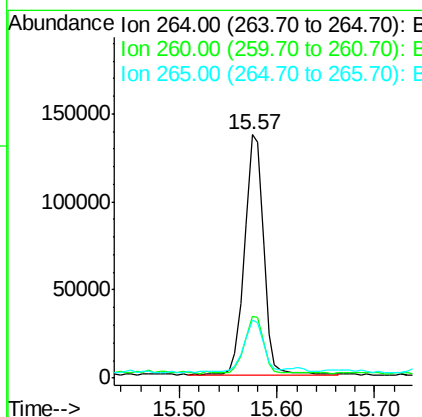
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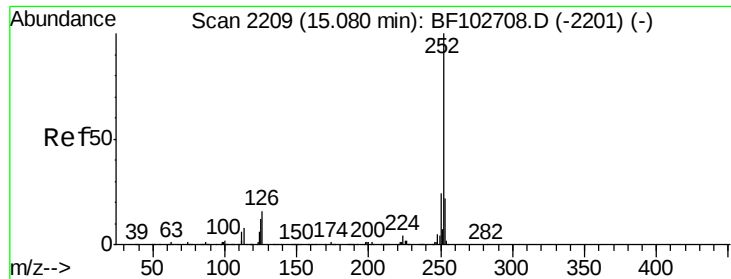
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. 0.03 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	23.6	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.244 ng m

RT: 15.13 min Scan# 2218

Delta R.T. 0.02 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Instrument :

BNA_F

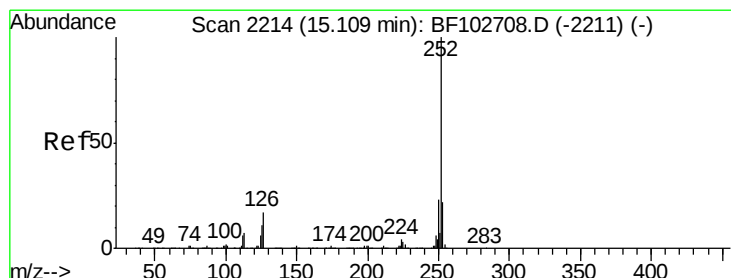
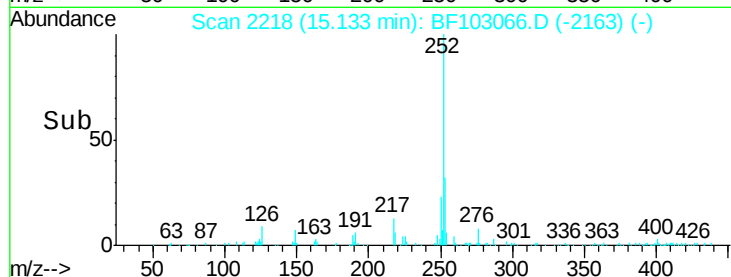
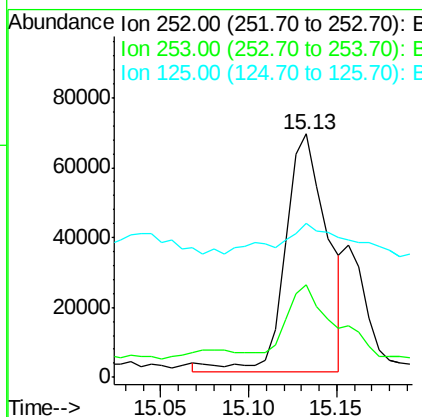
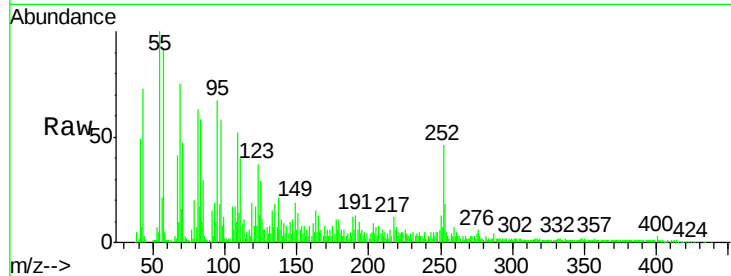
ClientSampleId :

CB-1-NW(10-15)

Tgt Ion:	252	Resp:	111569
Ion Ratio	Lower	Upper	
252	100		
253	38.1	17.0	25.6#
125	63.1	9.0	13.6#

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#88

Benzo(k)fluoranthene

Concen: 3.426 ng m

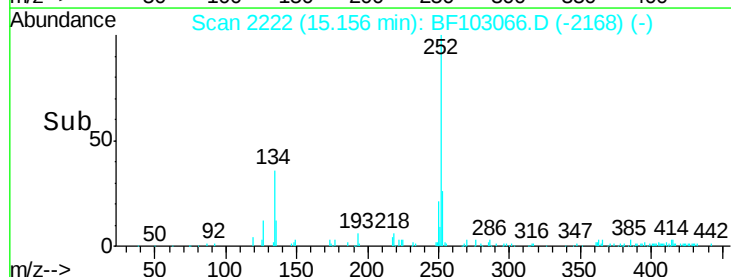
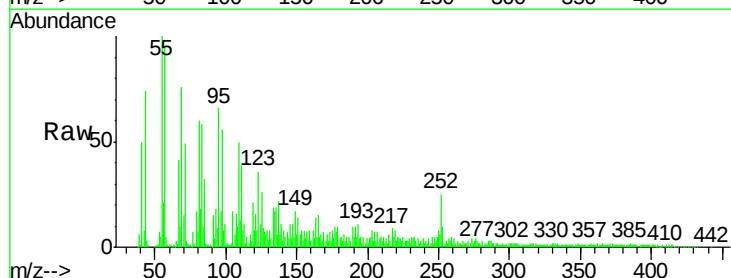
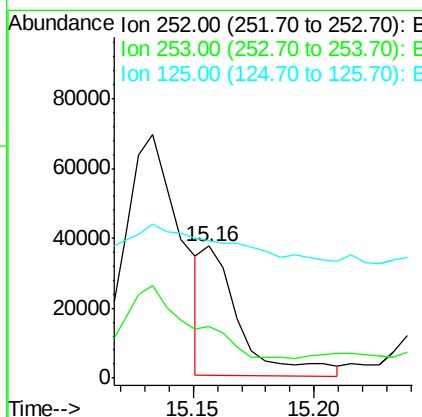
RT: 15.16 min Scan# 2222

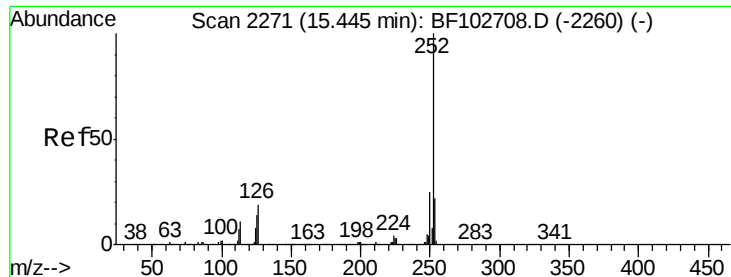
Delta R.T. 0.02 min

Lab File: BF103066.D

Acq: 16 Feb 2018 21:26

Tgt Ion:	252	Resp:	39506
Ion Ratio	Lower	Upper	
252	100		
253	39.0	17.9	26.9#
125	104.0	10.2	15.2#





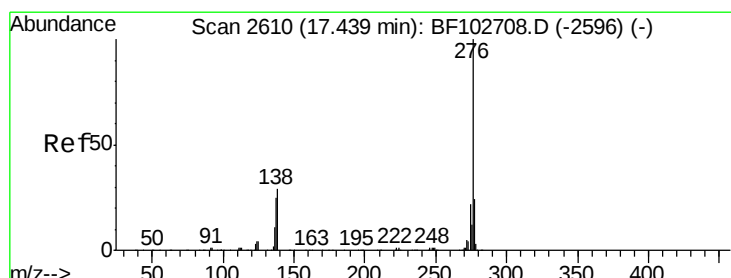
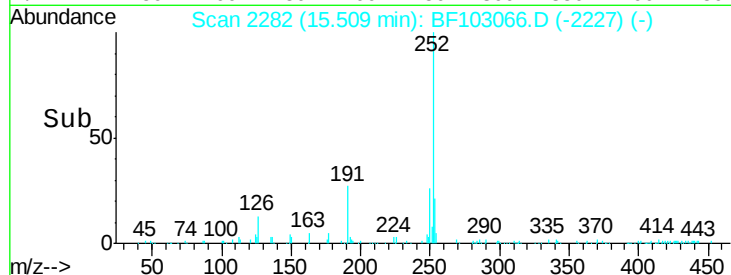
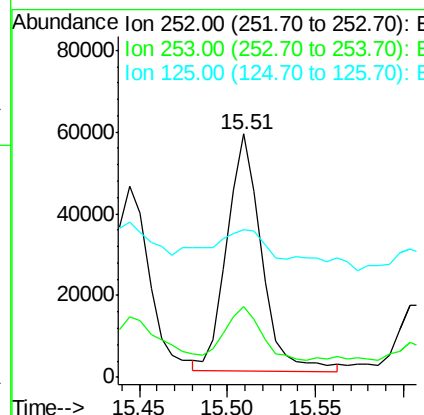
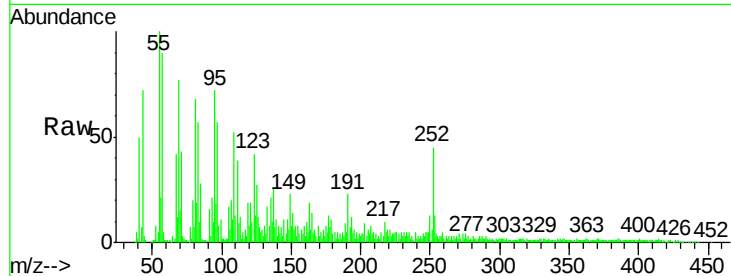
#89
Benzo(a)pyrene
Concen: 7.226 ng m
RT: 15.51 min Scan# 2282
Delta R.T. 0.02 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(10-15)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	29.3	17.1	25.7#
125	60.8	9.8	14.6#

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#91
Benzo(g,h,i)perylene
Concen: 5.962 ng
RT: 17.55 min Scan# 2629
Delta R.T. 0.03 min
Lab File: BF103066.D
Acq: 16 Feb 2018 21:26

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.5	17.9	26.9#
138	34.6	21.8	32.8#

