

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102998.D
 Acq On : 14 Feb 2018 19:13
 Operator : SJ/JU
 Sample : J1539-19
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-SW(0-4)

Manual Integrations
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Sohil
 2/15/2018 11:06:34 AM

Quant Time: Feb 15 09:35:20 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 00:38:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	151222	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	520748	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	190821	20.00	ng	0.00
63) Phenanthrene-d10	11.42	188	257030	20.00	ng	0.02
75) Chrysene-d12	14.12	240	53633	20.00	ng	0.08
86) Perylene-d12	15.65	264	94159	20.00	ng	0.15
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1001627	100.59	ng	0.01
7) Phenol-d6	6.51	99	1156173	96.43	ng	0.01
23) Nitrobenzene-d5	7.44	82	671772	89.49	ng	0.00
41) 2,4,6-Tribromophenol	10.72	330	160254	104.34	ng	0.01
44) 2-Fluorobiphenyl	9.23	172	894034	77.74	ng	0.00
78) Terphenyl-d14	13.03	244	276472	122.06	ng	0.04
Target Compounds						
10) Phenol	6.52	94	42276	3.290	ng	# 67
22) Acetophenone	7.27	105	37507	2.943	ng	# 62
31) Naphthalene	8.18	128	255435	10.040	ng	# 94
37) 2-Methylnaphthalene	8.87	142	407278	24.450	ng	97
45) 1,1'-Biphenyl	9.33	154	70871	4.410	ng	97
49) Dimethylphthalate	9.63	163	65530	4.404	ng	# 78
51) Acenaphthene	9.95	154	85184m	7.248	ng	
54) Dibenzofuran	10.13	168	87057	5.256	ng	# 51
57) Fluorene	10.47	166	110781	9.193	ng	# 96
70) Phenanthrene	11.44	178	741317	51.786	ng	99
71) Anthracene	11.49	178	167686	11.517	ng	96
74) Fluoranthene	12.66	202	452383	31.410	ng	96
77) Pyrene	12.89	202	413521	98.325	ng	98
80) Benzo(a)anthracene	14.11	228	104802	31.071	ng	# 87
82) Chrysene	14.15	228	96846	28.483	ng	# 88
84) Di-n-octyl phthalate	14.73	149	18993	4.910	ng	# 70
85) Indeno(1,2,3-cd)pyrene	17.16	276	206665	73.285	ng	96
87) Benzo(b)fluoranthene	15.20	252	172759m	28.299	ng	
88) Benzo(k)fluoranthene	15.23	252	40765m	6.989	ng	
89) Benzo(a)pyrene	15.59	252	191966m	34.935	ng	
90) Dibenzo(a,h)anthracene	17.16	278	53531m	12.002	ng	
91) Benzo(g,h,i)perylene	17.61	276	226081	51.788	ng	93

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

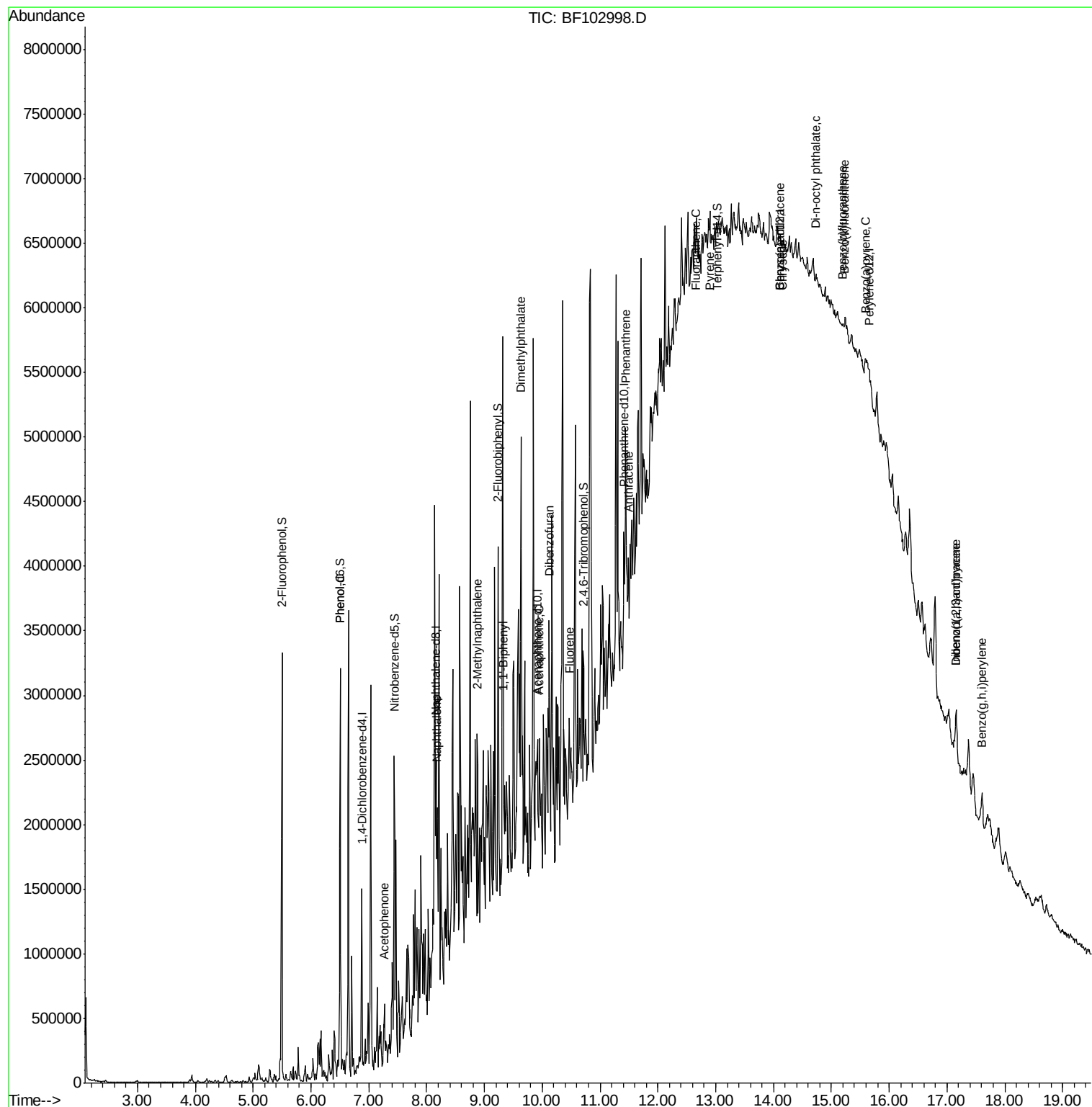
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
Data File : BF102998.D
Acq On : 14 Feb 2018 19:13
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Sample : J1539-19
Misc :
ALS Vial : 23 Sample Multiplier: 1

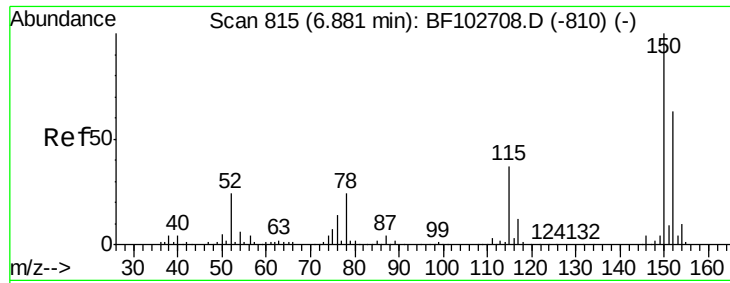
Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

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2/15/2018 11:06:34 AM

Quant Time: Feb 15 09:35:20 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

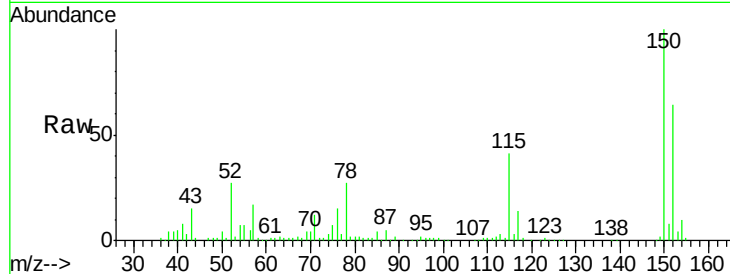
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

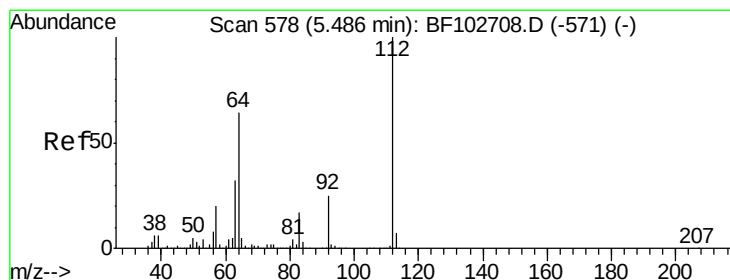
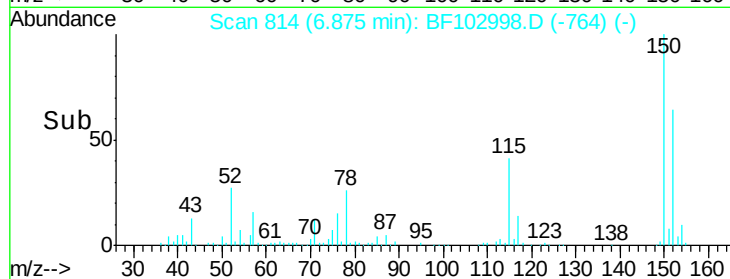
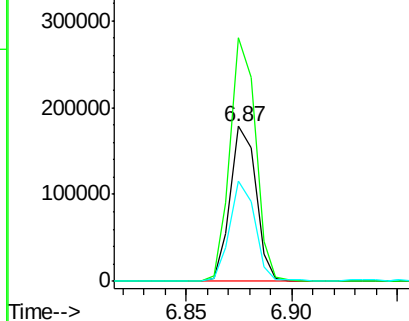
Tot Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.6	186.8
115	64.6	50.1	75.1

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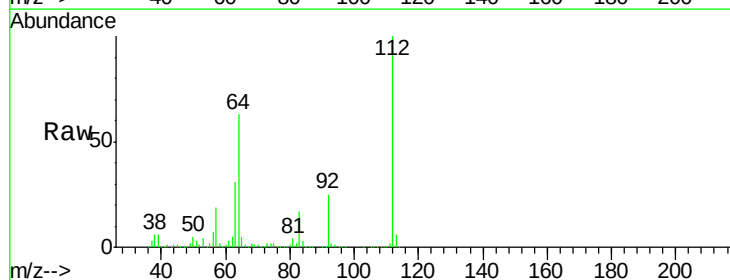
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



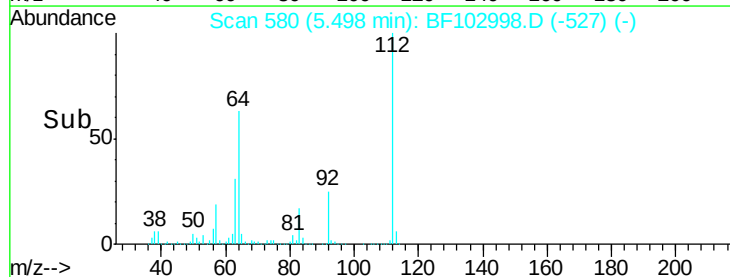
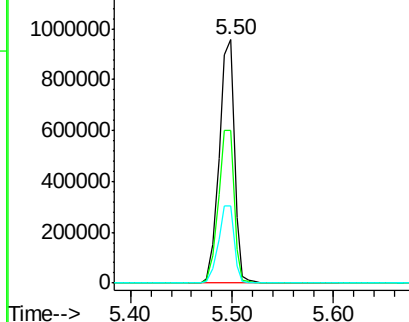
#5

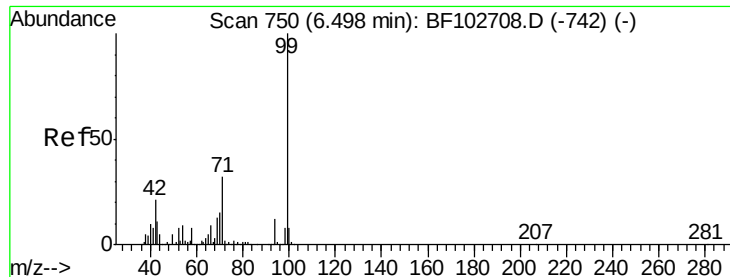
2-Fluorophenol
Concen: 100.590 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.5	47.9	71.9
63	31.5	23.7	35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 96.432 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

ClientSampleId :

CB-1-SW(0-4)

Tot Ion: 99 Resp: 1156173

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

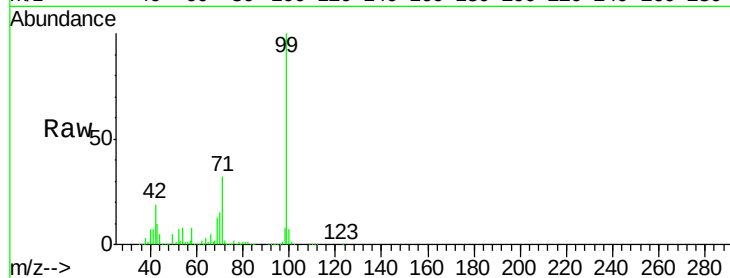
71 32.1 25.4 38.0

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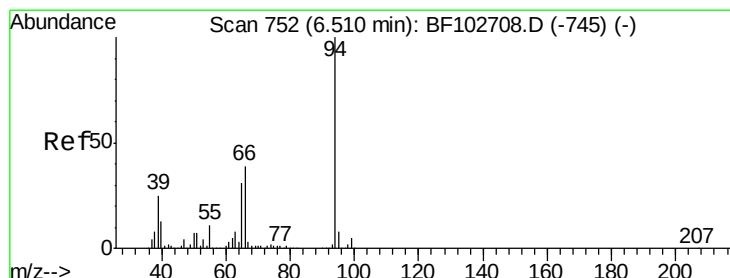
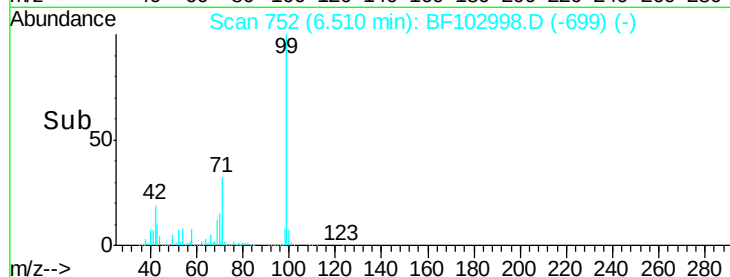
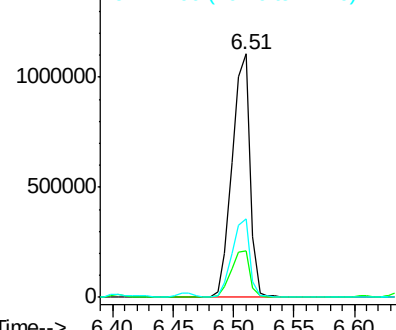
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.290 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

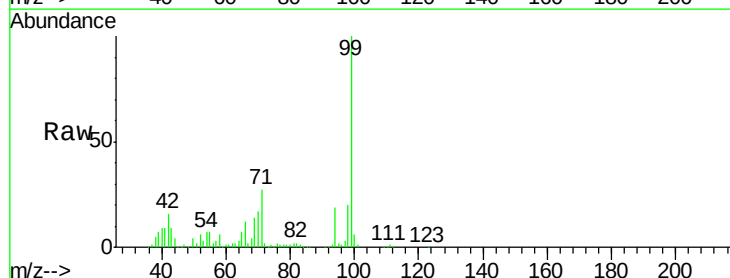
Tgt Ion: 94 Resp: 42276

Ion Ratio Lower Upper

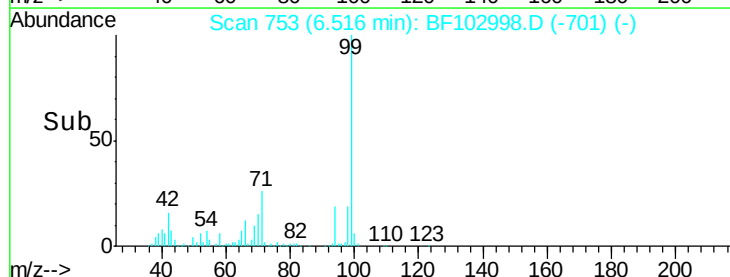
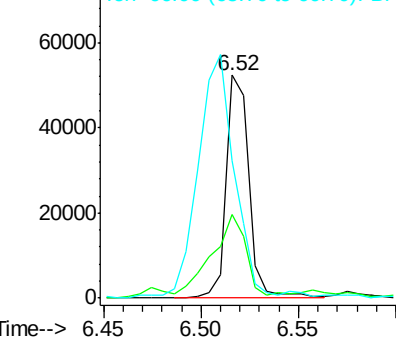
94 100

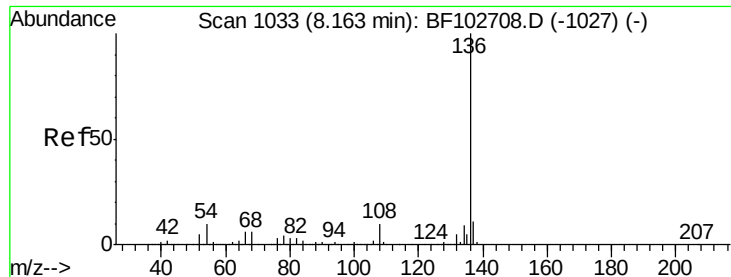
65 37.6 7.9 47.9

66 61.8 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: 8.16 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

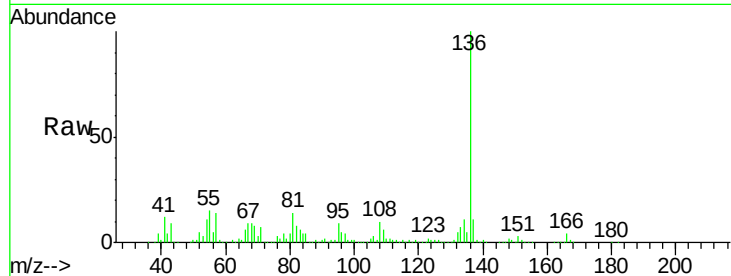
ClientSampleId :

CB-1-SW(0-4)

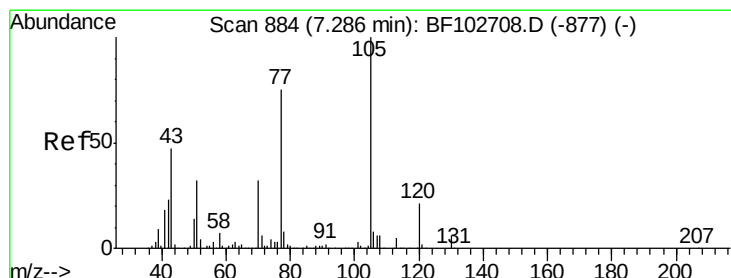
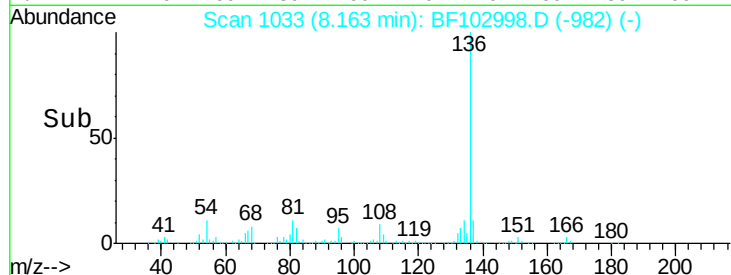
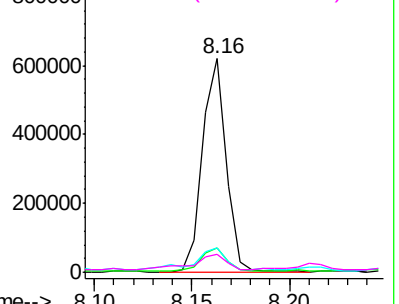
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.3	8.9	13.3	
54	11.4	6.6	9.8#	
68	8.6	5.0	7.4#	

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Abundance Ion 136.00 (135.70 to 136.70): E



#22

Acetophenone

Concen: 2.943 ng

RT: 7.27 min Scan# 881

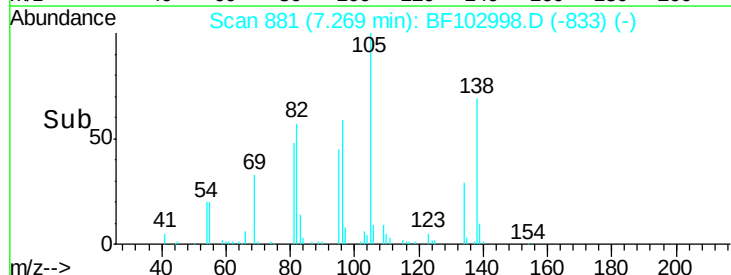
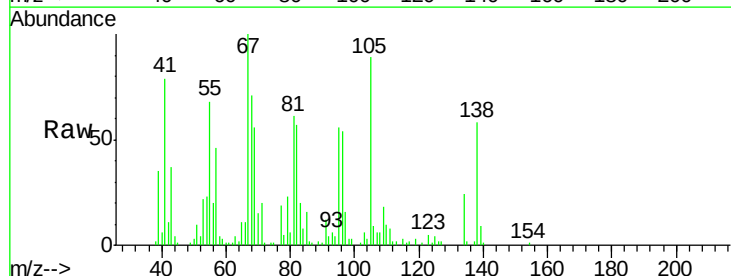
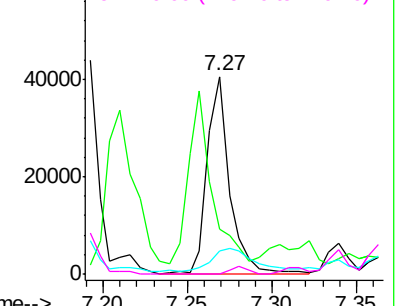
Delta R.T. -0.02 min

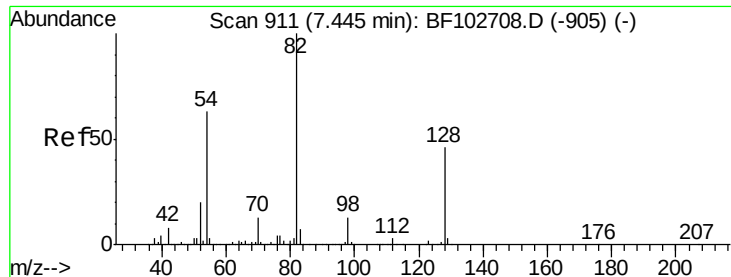
Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100			
71	22.7	4.4	6.6#	
51	11.7	22.3	33.5#	
120	0.0	16.9	25.3#	

Abundance Ion 105.00 (104.70 to 105.70): E





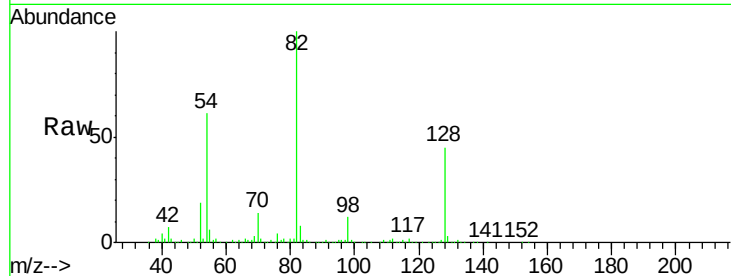
#23
Nitrobenzene-d5
Concen: 89.489 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

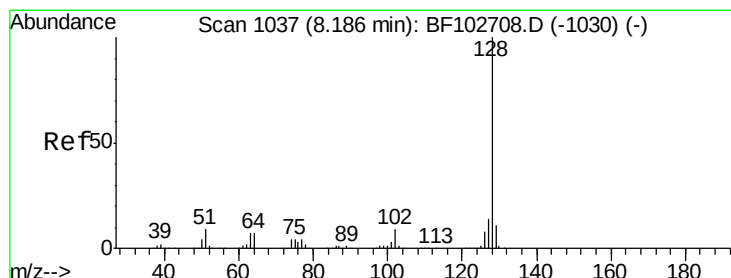
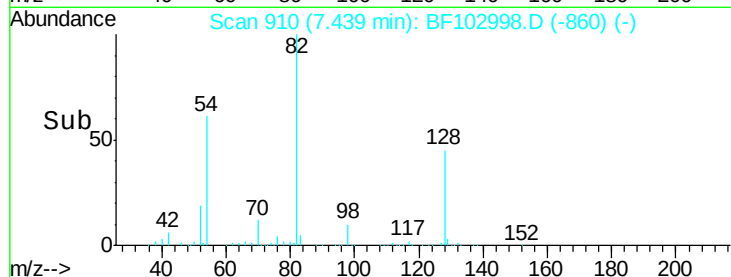
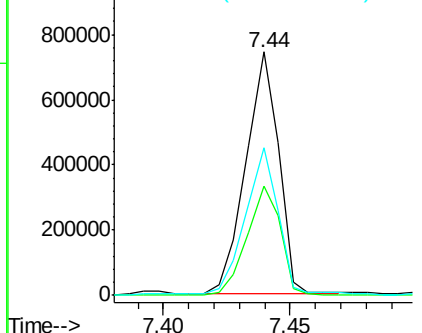
Tot Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	60.6	41.4	62.2

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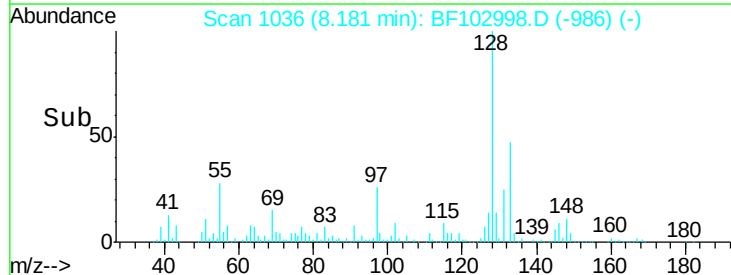
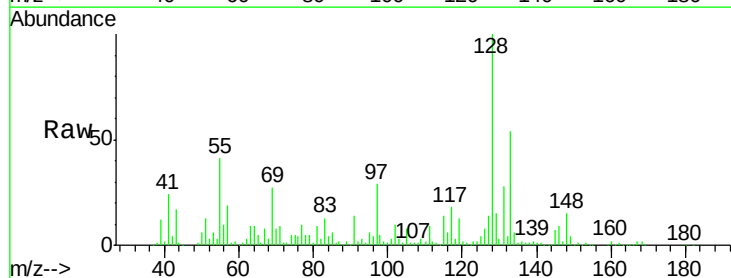
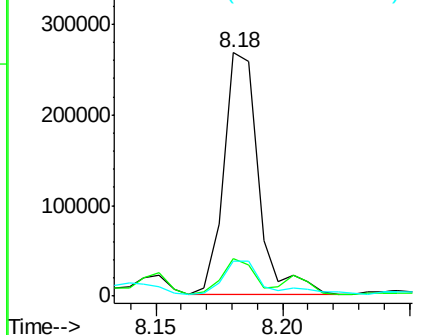
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

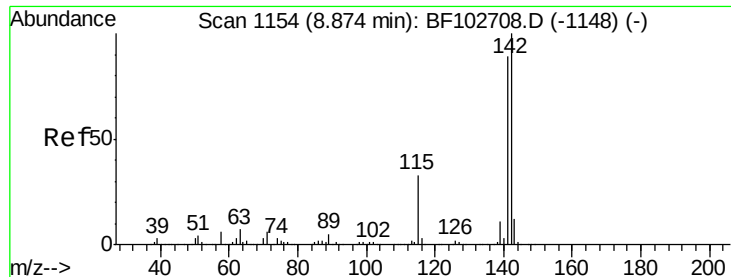


#31
Naphthalene
Concen: 10.040 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
128	100		
129	15.3	8.8	13.2#
127	14.2	10.9	16.3

Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





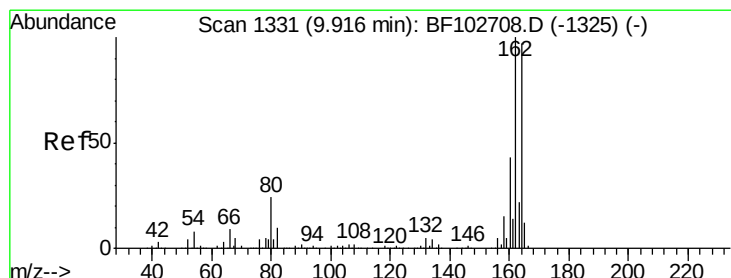
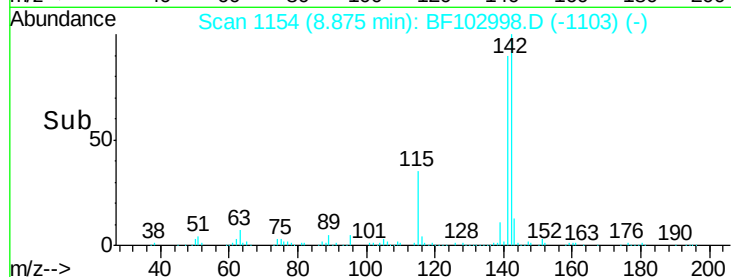
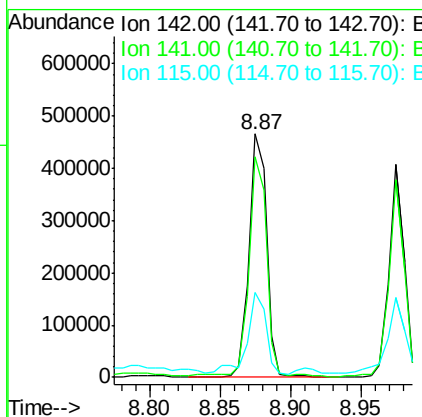
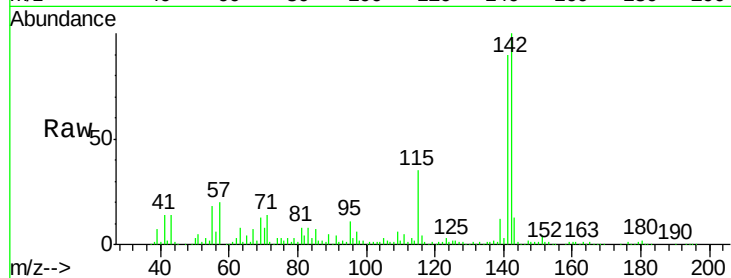
#37
2-Methylnaphthalene
Concen: 24.450 ng
RT: 8.87 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.4	70.8	106.2
115	34.9	26.1	39.1

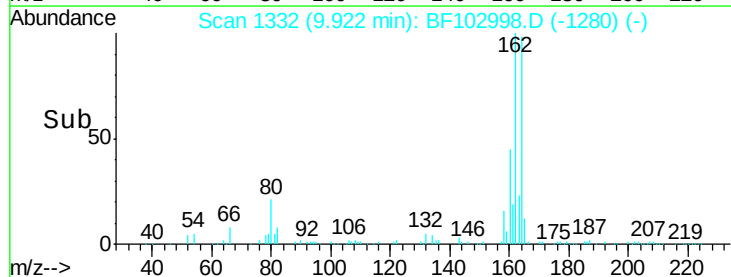
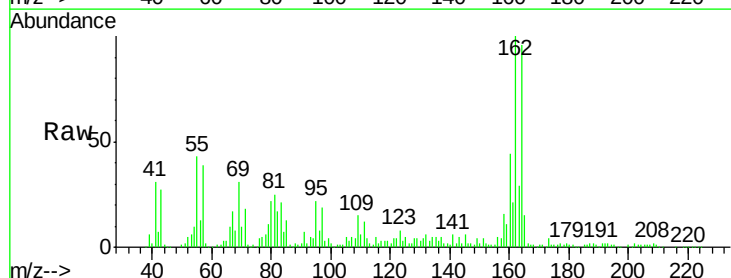
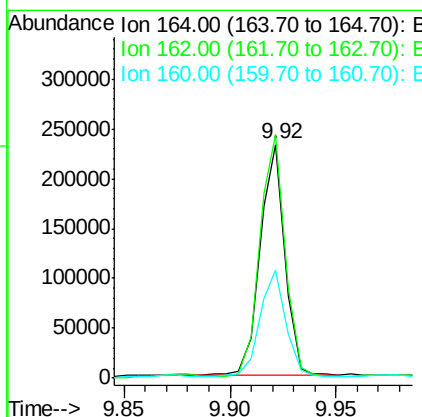
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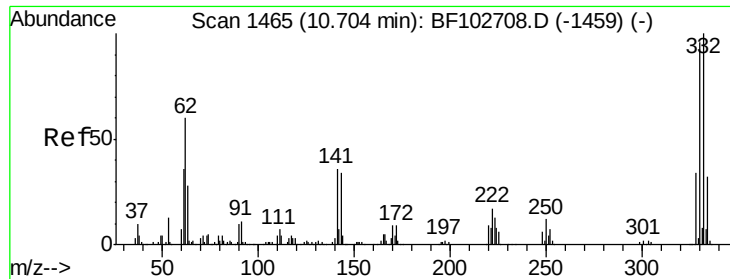
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. 0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.2	86.1	129.1
160	46.2	38.3	57.5





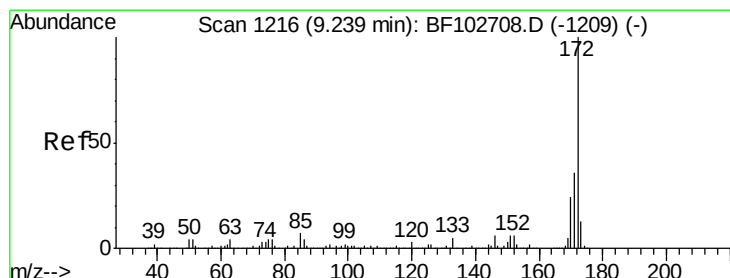
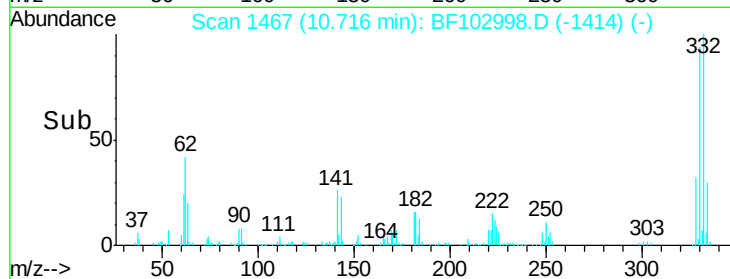
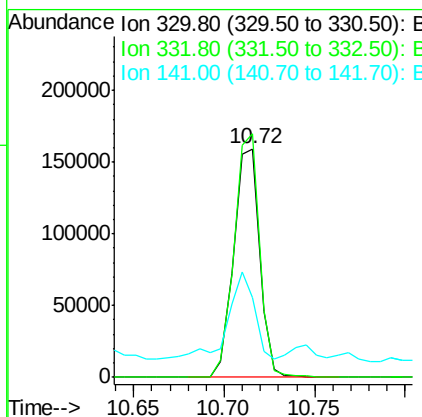
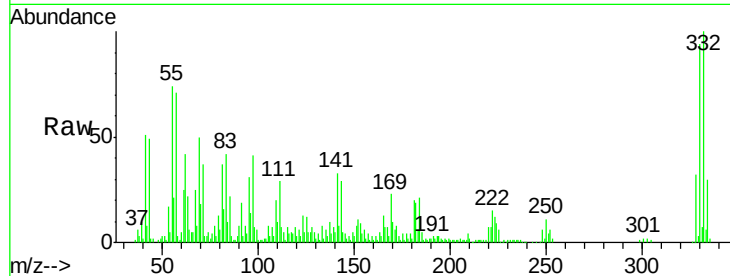
#41
 2,4,6-Tribromophenol
 Concen: 104.340 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. 0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-SW(0-4)

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	104.3	77.0	115.6	
141	37.1	29.9	44.9	

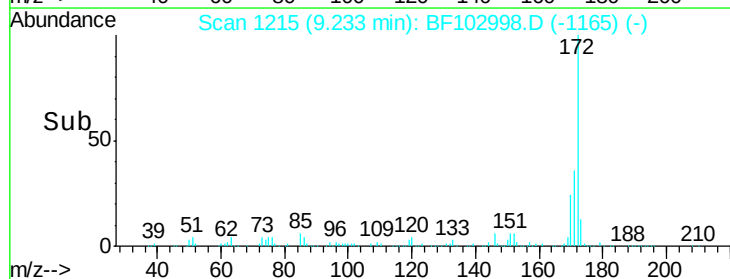
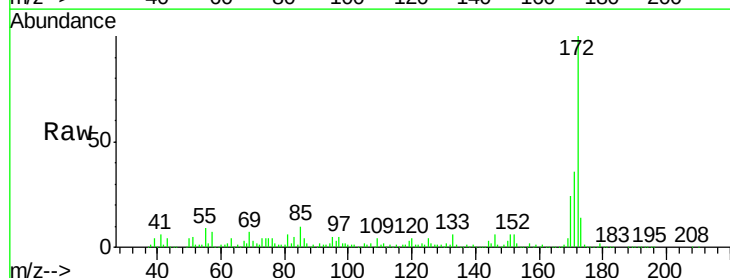
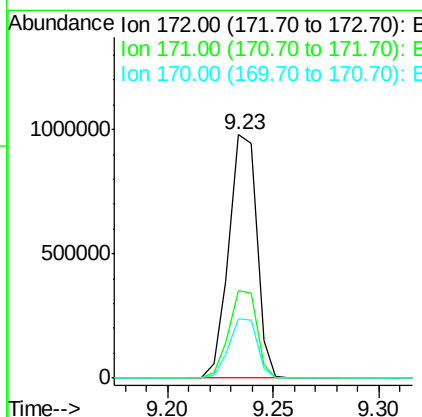
Manual Integrations
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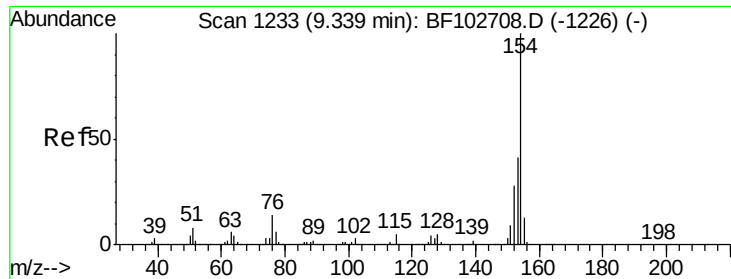
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#44
 2-Fluorobiphenyl
 Concen: 77.744 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF102998.D
 Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	29.7	44.5	
170	24.5	19.6	29.4	





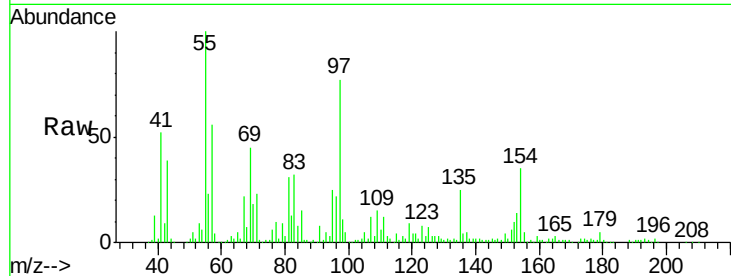
#45
1,1'-Biphenyl
Concen: 4.410 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.5	21.3	61.3
76	15.8	0.0	34.0

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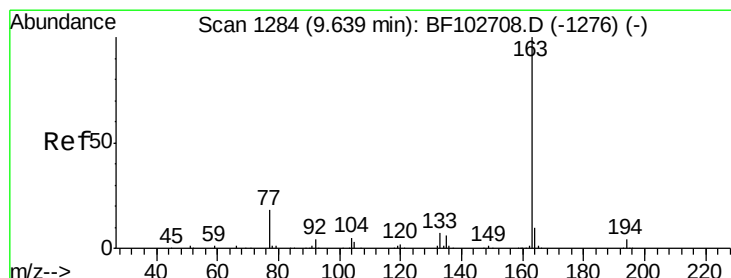
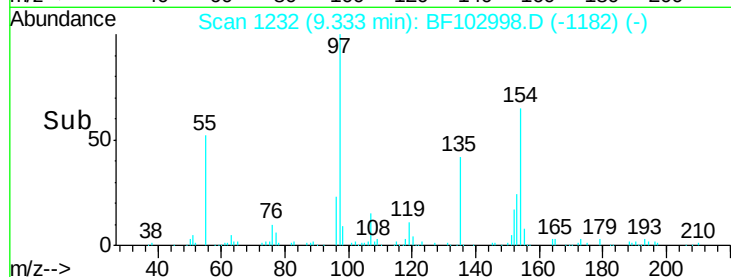
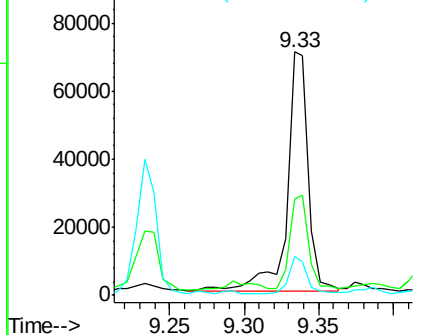


Abundance

Ion 154.00 (153.70 to 154.70): E

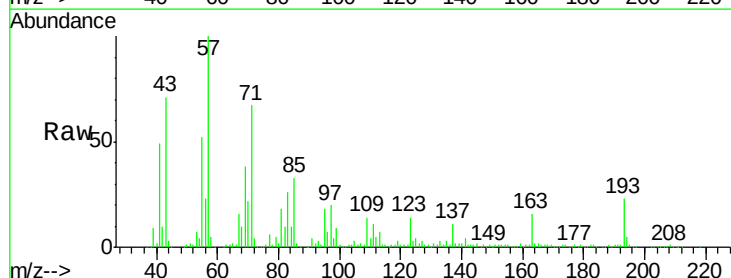
Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49
Dimethylphthalate
Concen: 4.404 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
163	100		
194	29.4	2.7	4.1#
164	11.3	8.2	12.2

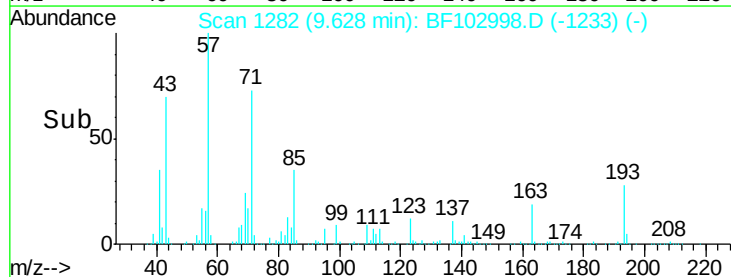
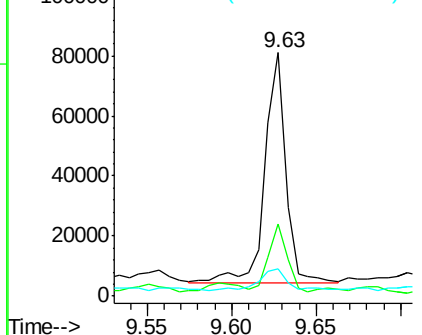


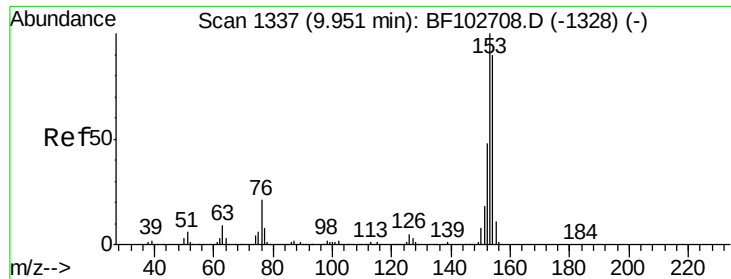
Abundance

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





#51

Acenaphthene

Concen: 7.248 ng

RT: 9.95 min Scan# 1337

Delta R.T. 0.00 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

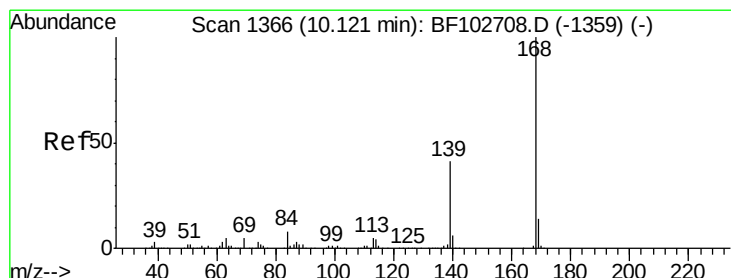
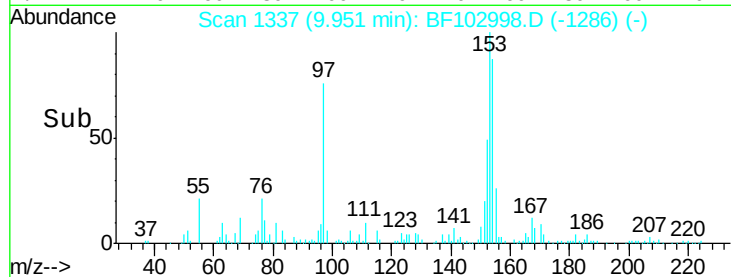
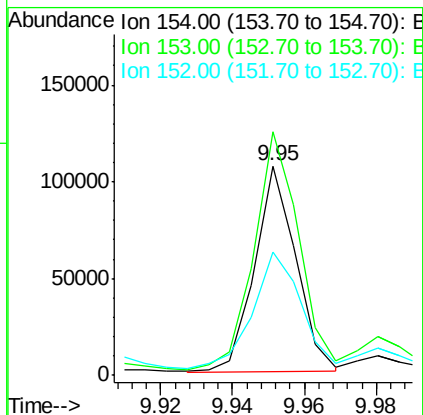
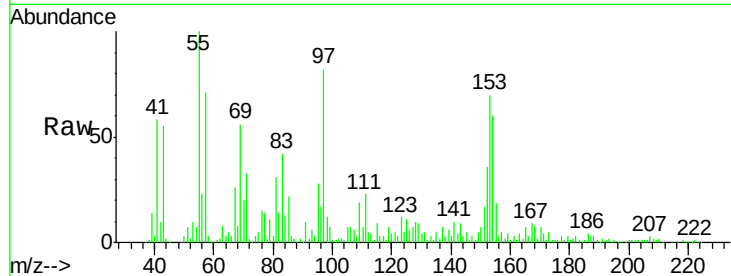
ClientSampleId :

CB-1-SW(0-4)

Tot Ion:	154	Resp:	85184
Ion Ratio	Lower	Upper	
154	100		
153	116.2	91.2	136.8
152	59.1	43.8	65.8

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#54

Dibenzofuran

Concen: 5.256 ng

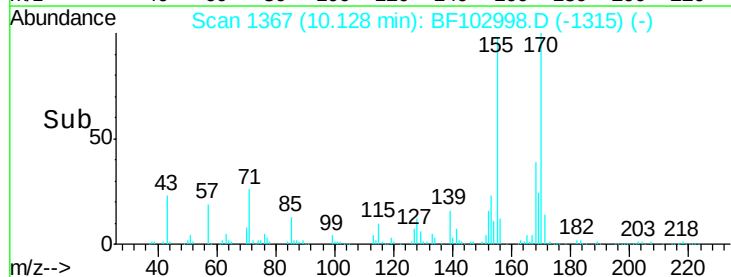
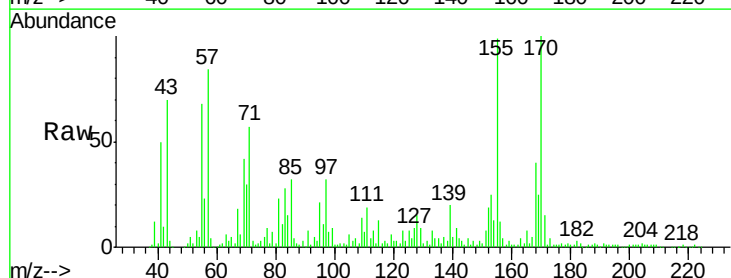
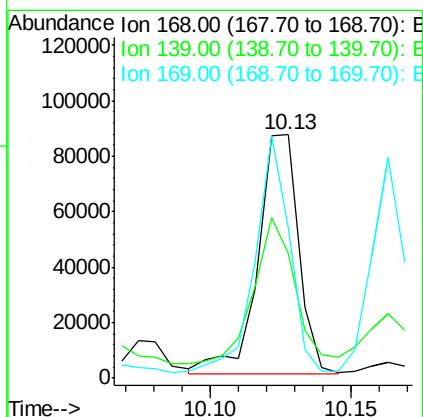
RT: 10.13 min Scan# 1367

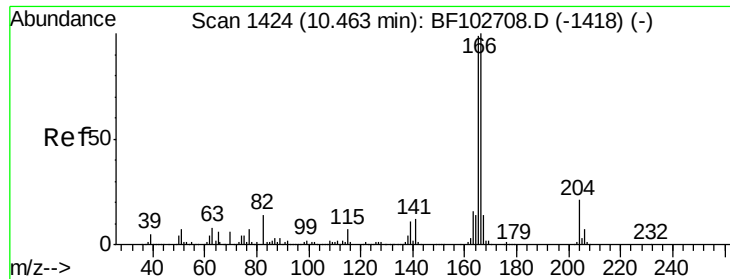
Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion:	168	Resp:	87057
Ion Ratio	Lower	Upper	
168	100		
139	51.4	30.1	45.1#
169	61.7	10.9	16.3#





#57

Fluorene

Concen: 9.193 ng

RT: 10.47 min Scan# 1425

Delta R.T. 0.01 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

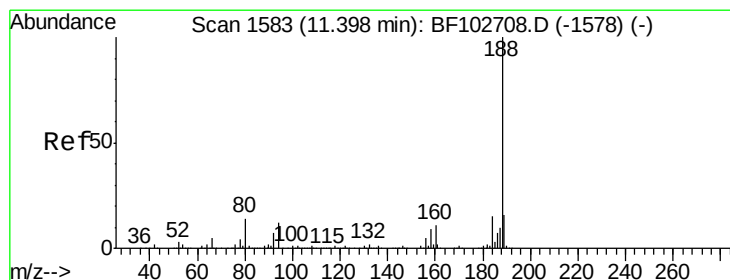
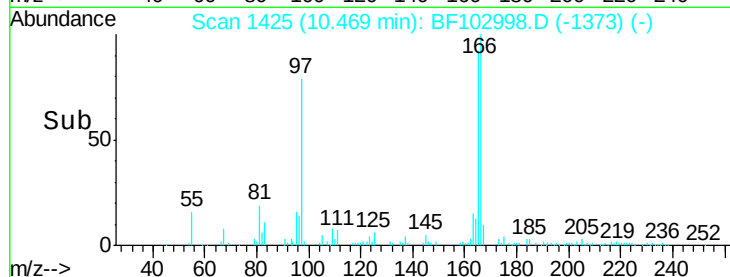
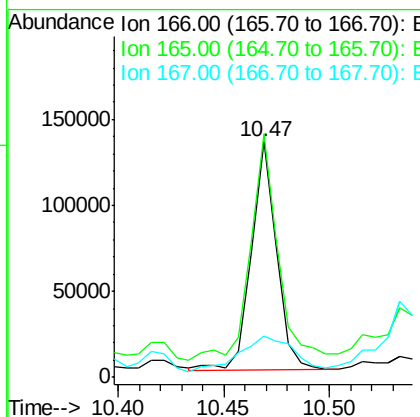
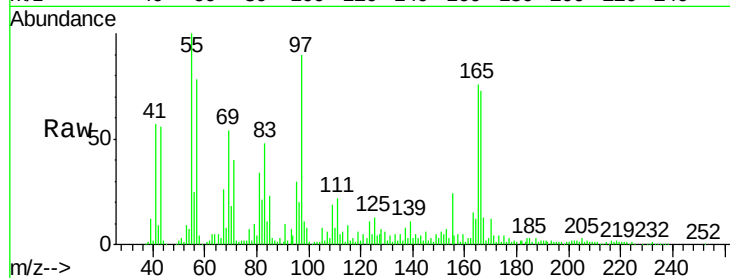
ClientSampleId :

CB-1-SW(0-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	103.4	79.8	119.8		
167	17.3	10.6	16.0		

Manual Integrations
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#63

Phenanthrene-d10

Concen: 20.000 ng

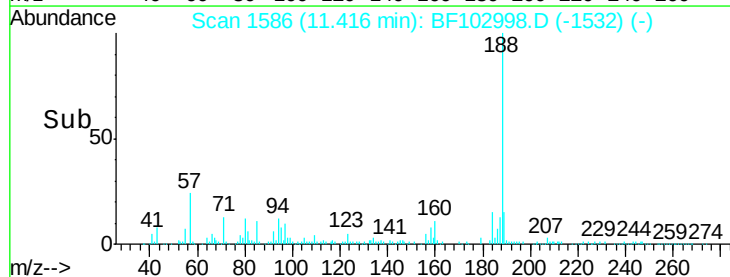
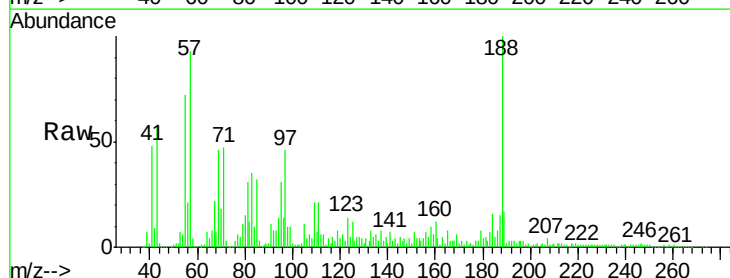
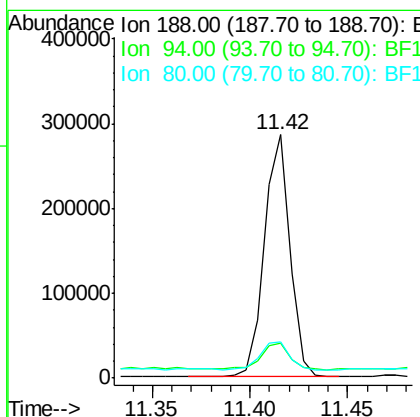
RT: 11.42 min Scan# 1586

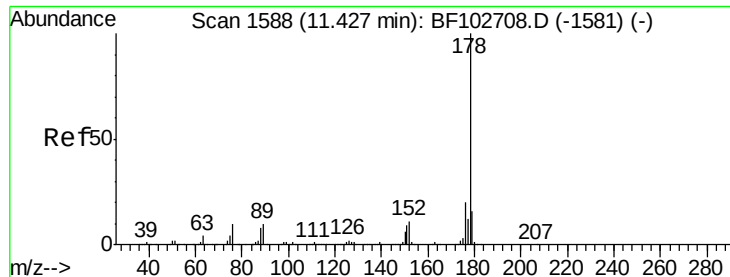
Delta R.T. 0.02 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	14.4	8.5	12.7		
80	14.8	9.2	13.8		





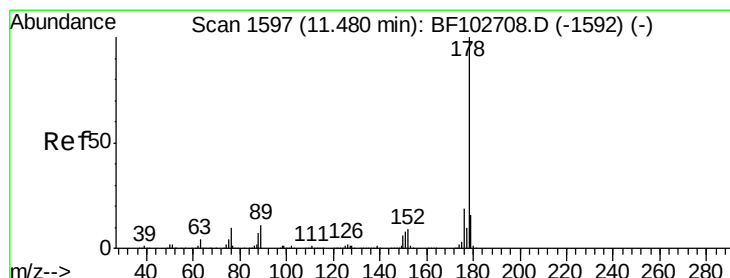
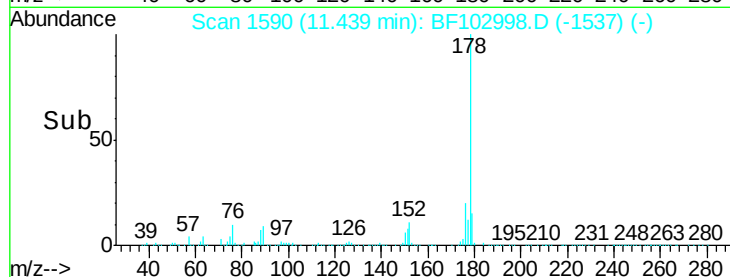
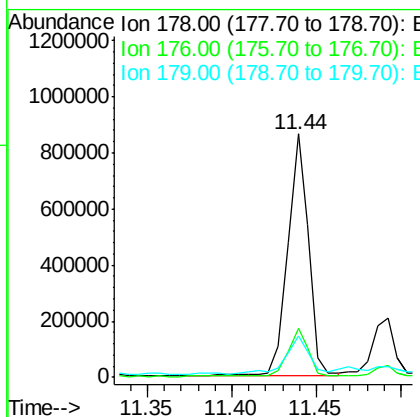
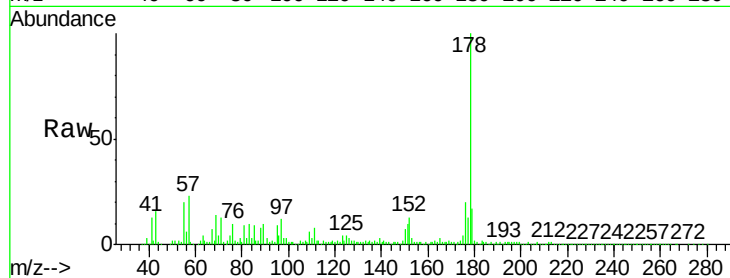
#70
Phenanthrene
Concen: 51.786 ng
RT: 11.44 min Scan# 1590
Delta R.T. 0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	17.0	13.0	19.6

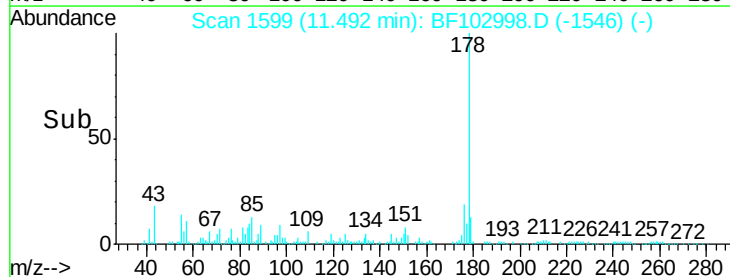
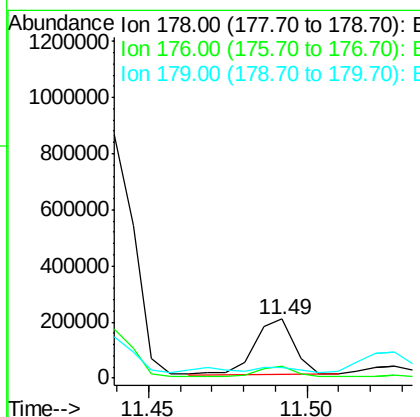
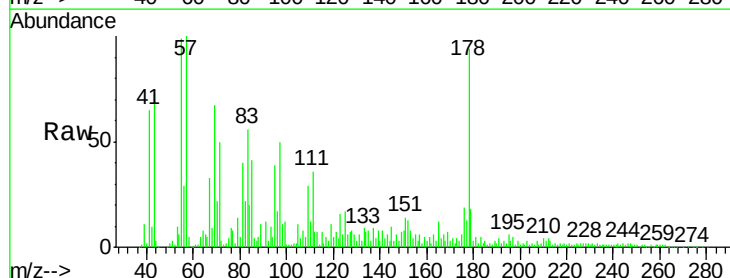
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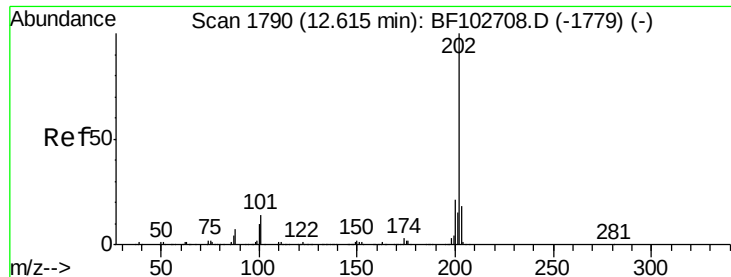
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#71
Anthracene
Concen: 11.517 ng
RT: 11.49 min Scan# 1599
Delta R.T. 0.01 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.4	23.2
179	18.8	12.6	19.0





#74

Fluoranthene

Concen: 31.410 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.05 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

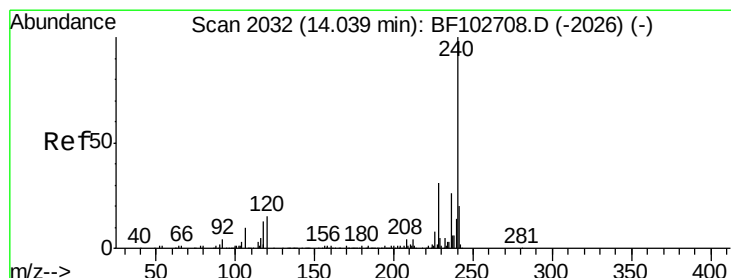
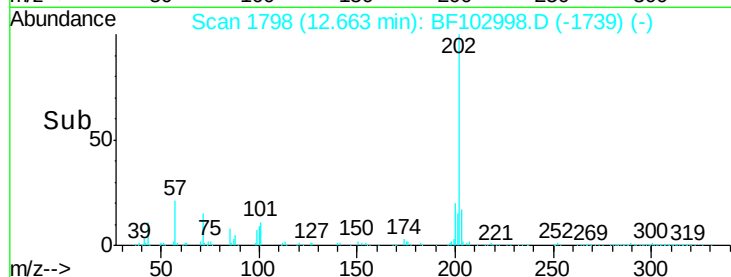
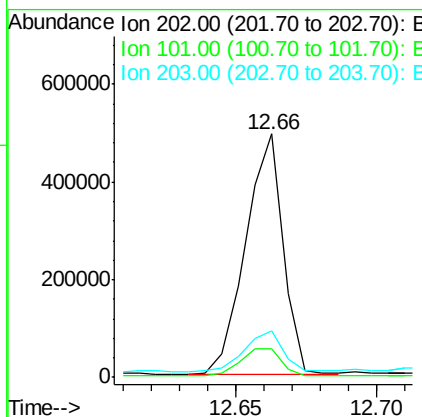
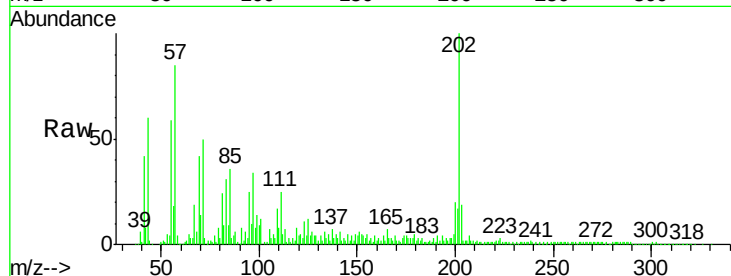
ClientSampleId :

CB-1-SW(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	11.7	0.0	34.1
203	19.2	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

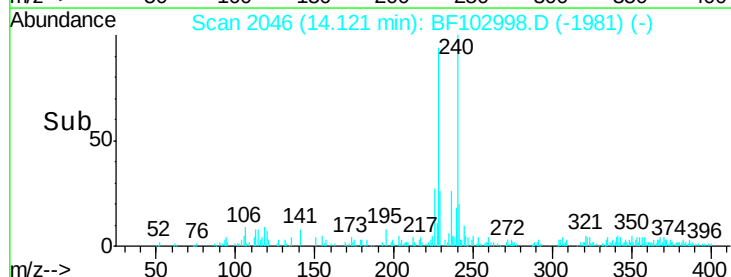
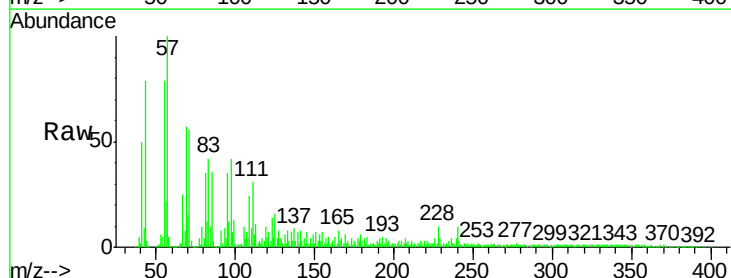
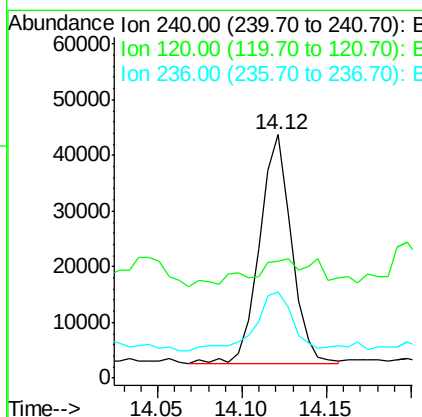
RT: 14.12 min Scan# 2046

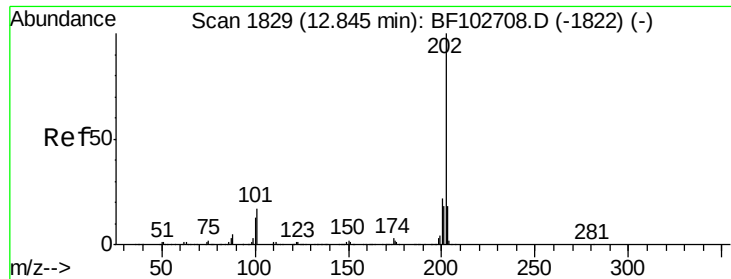
Delta R.T. 0.08 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	48.3	9.5	14.3#
236	35.5	20.7	31.1#





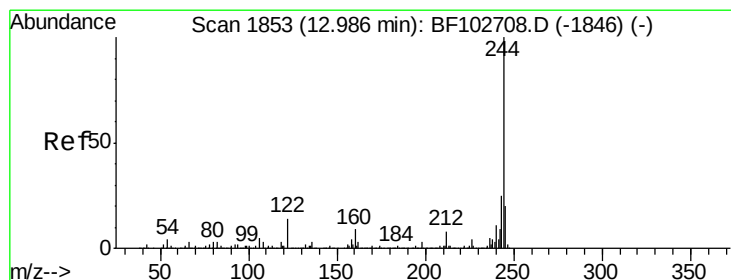
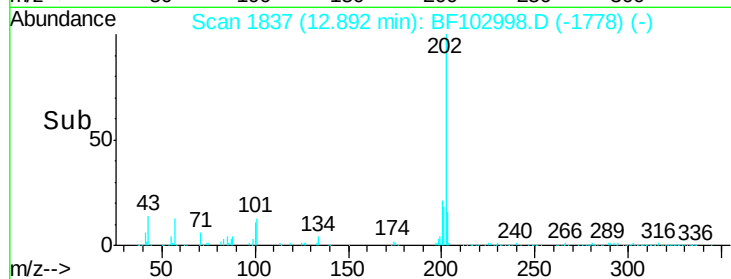
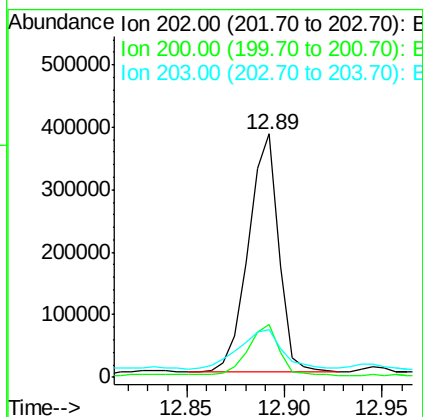
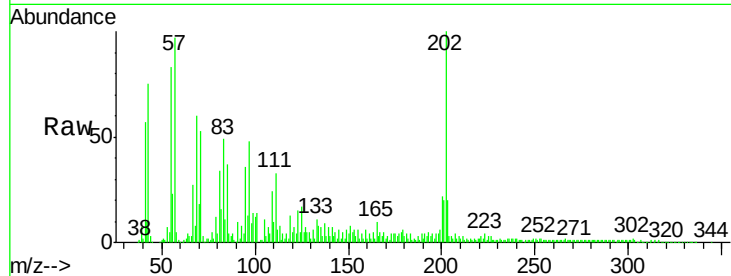
#77
Pvrene
Concen: 98.325 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.05 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.5	17.4	26.2
203	19.6	14.3	21.5

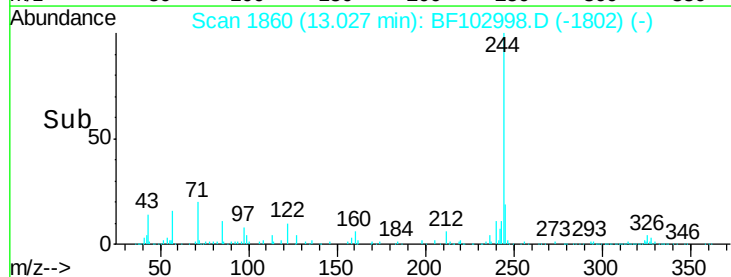
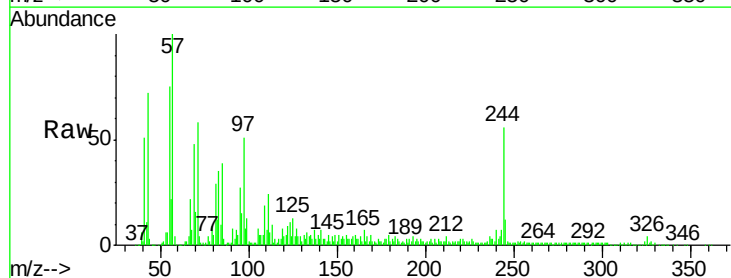
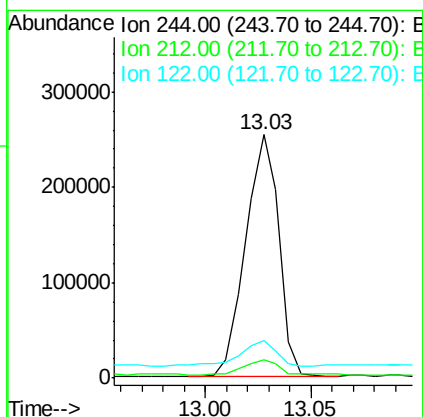
Manual Integrations
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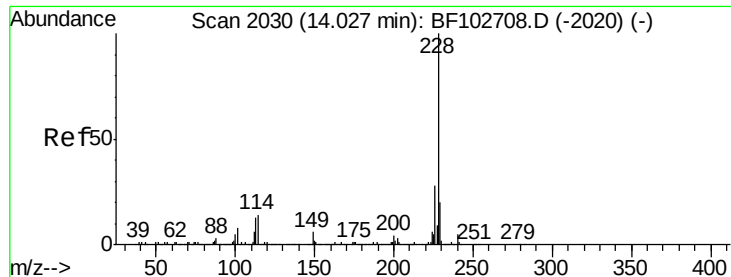
Sohil
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#78
Terphenyl-d14
Concen: 122.056 ng
RT: 13.03 min Scan# 1860
Delta R.T. 0.04 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	7.4	5.4	8.0
122	15.4	11.0	16.4





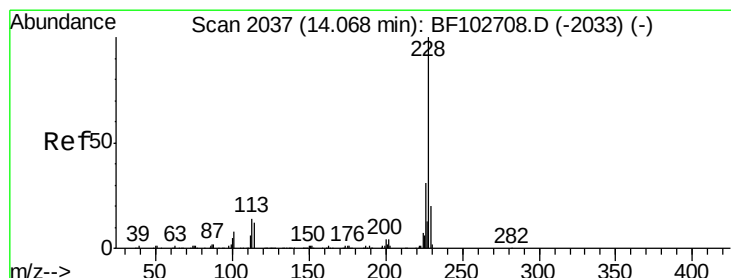
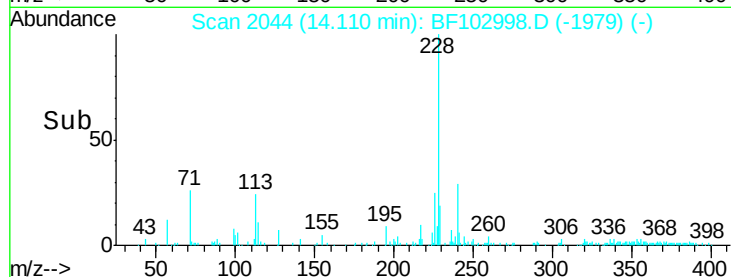
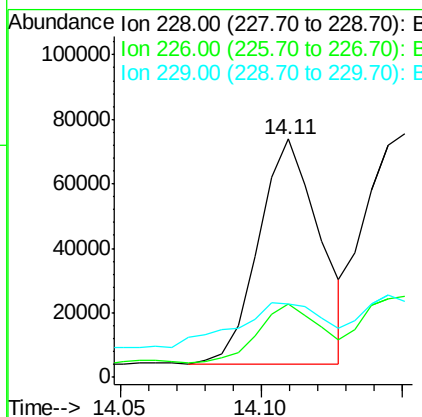
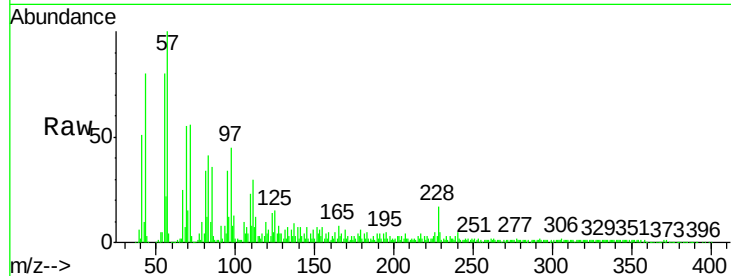
#80
Benzo(a)anthracene
Concen: 31.071 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.08 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	30.9	15.8	23.6

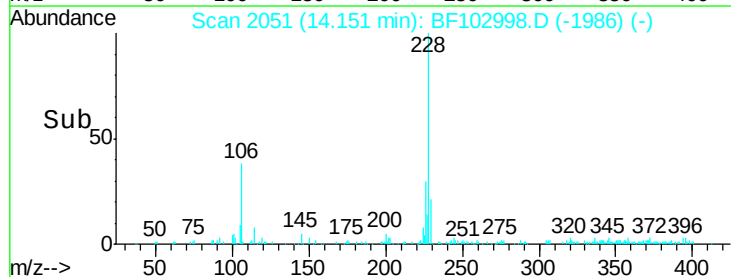
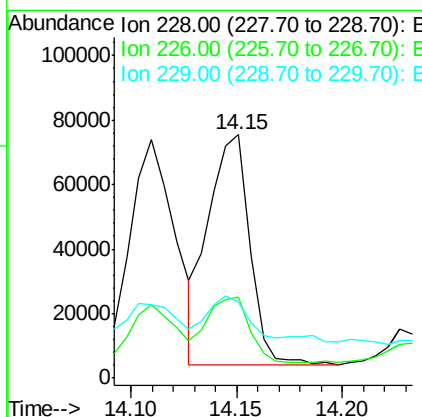
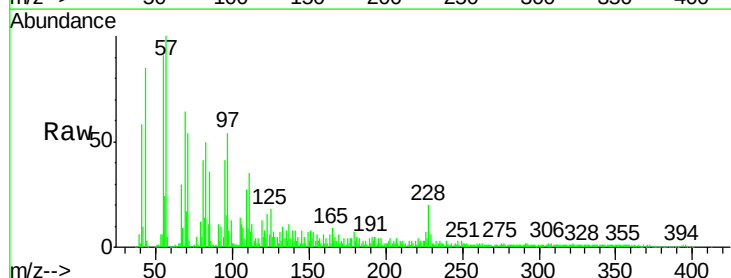
Manual Integrations
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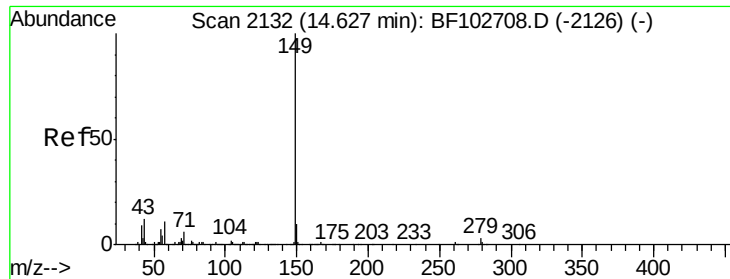
Sohil
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#82
Chrysene
Concen: 28.483 ng
RT: 14.15 min Scan# 2051
Delta R.T. 0.08 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.5	25.0	37.6
229	31.0	16.2	24.4





#84

Di-n-octyl phthalate

Concen: 4.910 ng

RT: 14.73 min Scan# 2150

Delta R.T. 0.11 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

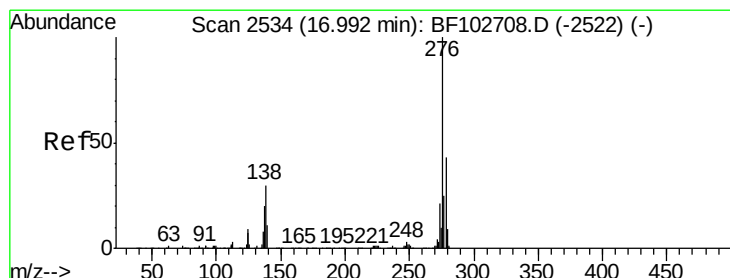
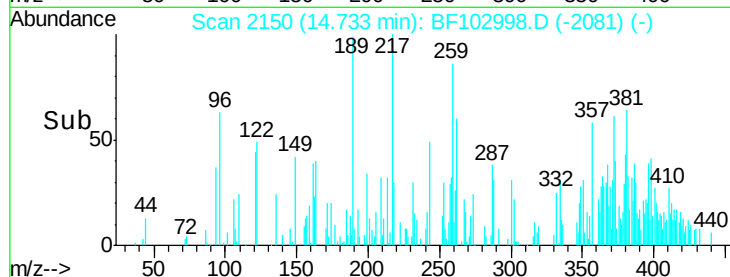
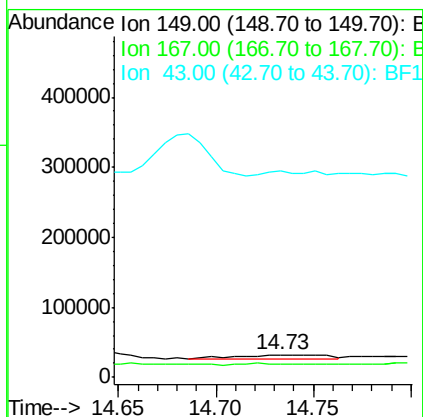
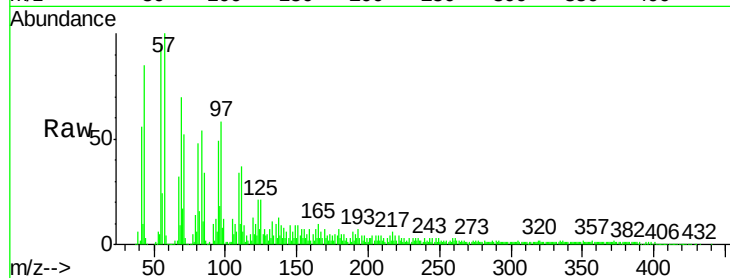
ClientSampleId :

CB-1-SW(0-4)

Tot Ion:	149	Resp:	18993
Ion Ratio	Lower	Upper	
149	100		
167	18.8	1.2	1.8#
43	0.0	8.4	12.6#

Manual Integrations
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2/15/2018 11:06:34 AM



#85

Indeno(1,2,3-cd)pyrene

Concen: 73.285 ng

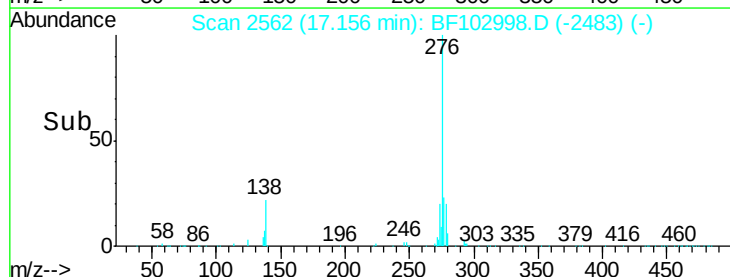
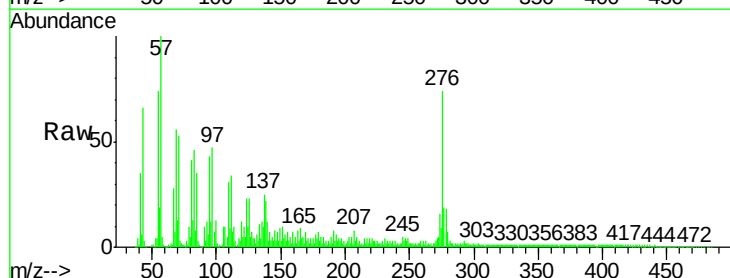
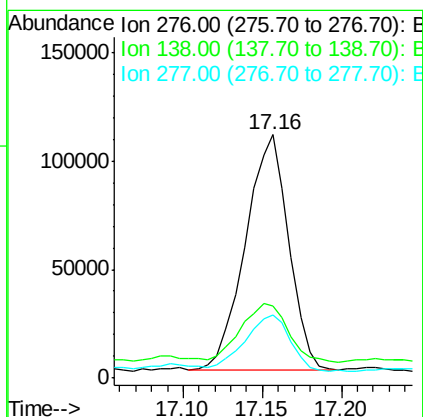
RT: 17.16 min Scan# 2562

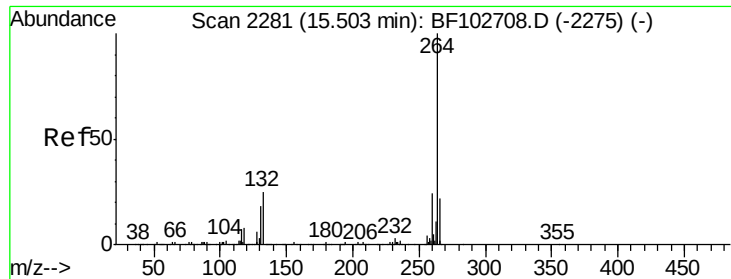
Delta R.T. 0.16 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion:	276	Resp:	206665
Ion Ratio	Lower	Upper	
276	100		
138	27.7	25.0	37.6
277	25.3	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.65 min Scan# 2306

Delta R.T. 0.15 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

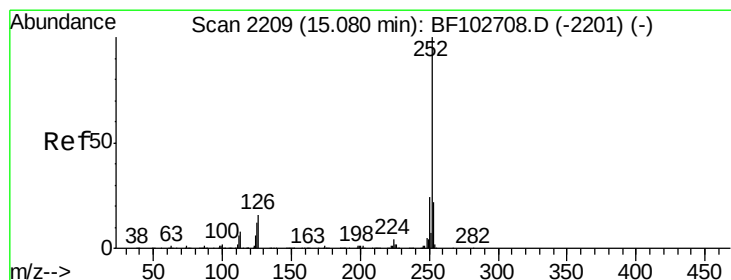
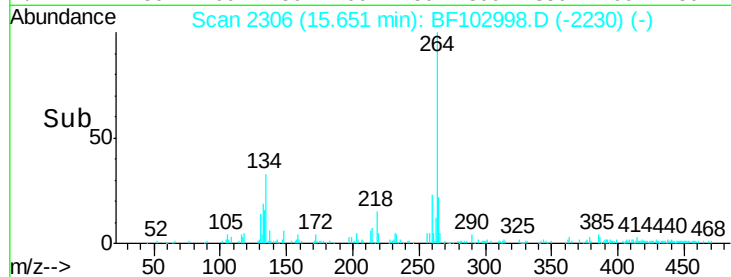
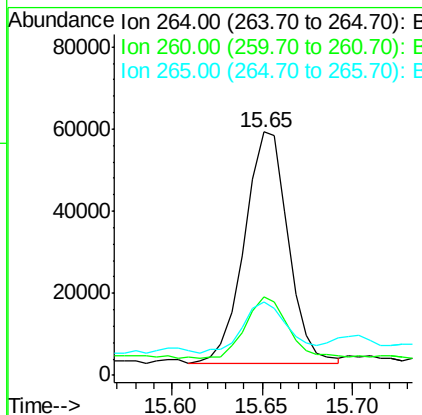
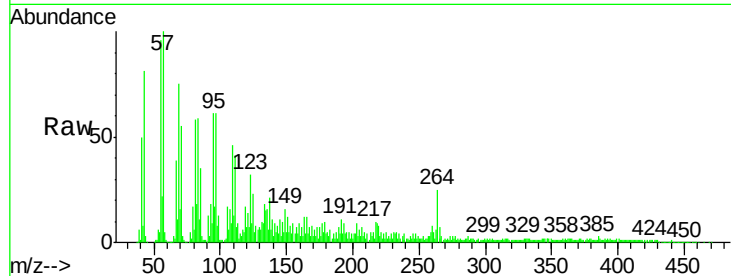
ClientSampleId :

CB-1-SW(0-4)

Tot Ion:	264	Resp:	94159
Ion Ratio	Lower	Upper	
264	100		
260	32.2	19.2	28.8#
265	30.0	17.5	26.3#

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 28.299 ng m

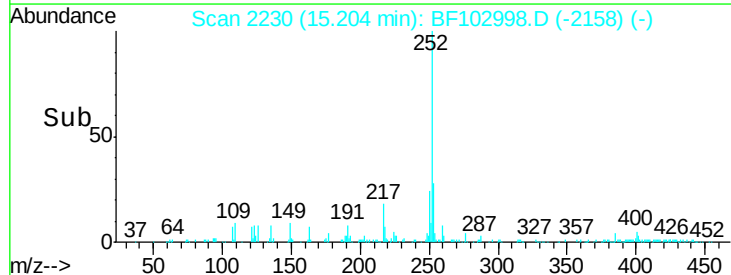
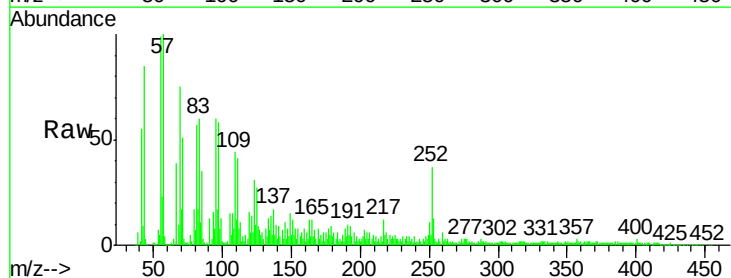
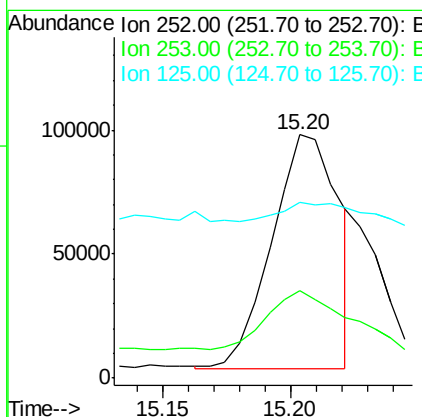
RT: 15.20 min Scan# 2230

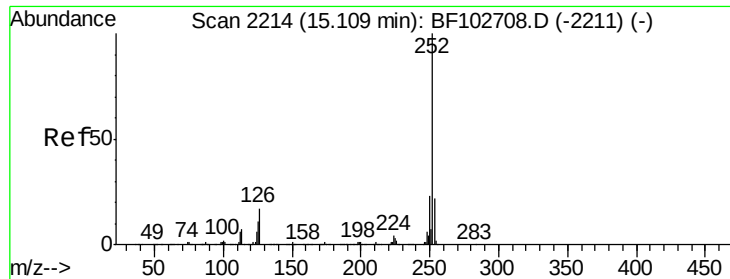
Delta R.T. 0.12 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion:	252	Resp:	172759
Ion Ratio	Lower	Upper	
252	100		
253	35.7	17.0	25.6#
125	71.9	9.0	13.6#





#88

Benzo(k)fluoranthene

Concen: 6.989 ng m

RT: 15.23 min Scan# 2234

Delta R.T. 0.12 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Instrument :

BNA_F

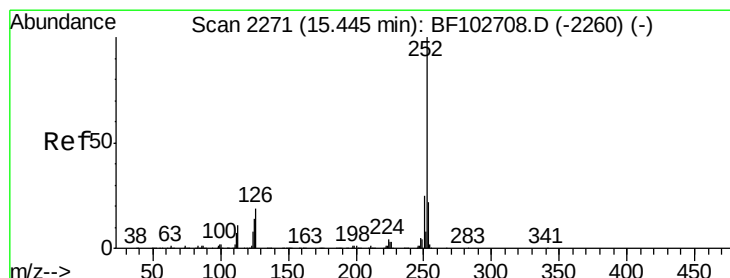
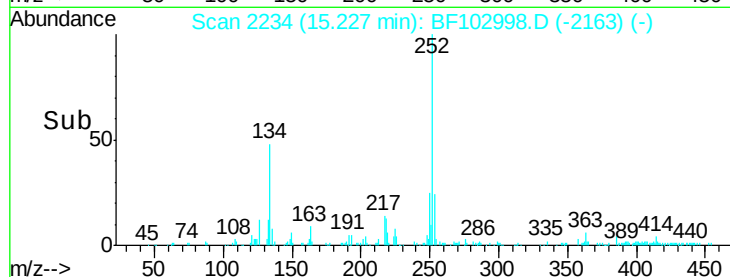
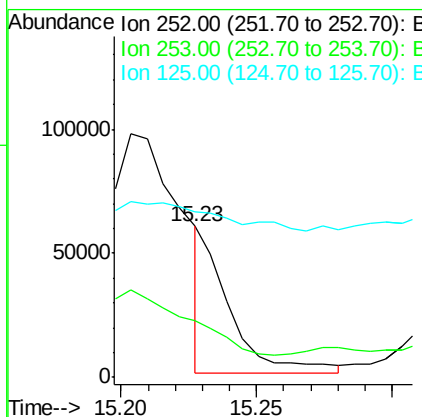
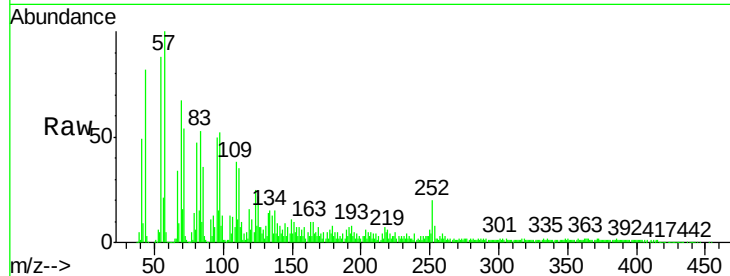
ClientSampleId :

CB-1-SW(0-4)

Tot Ion:	252	Resp:	40765
Ion Ratio	Lower	Upper	
252	100		
253	37.3	17.9	26.9#
125	109.4	10.2	15.2#

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:34 AM



#89

Benzo(a)pyrene

Concen: 34.935 ng m

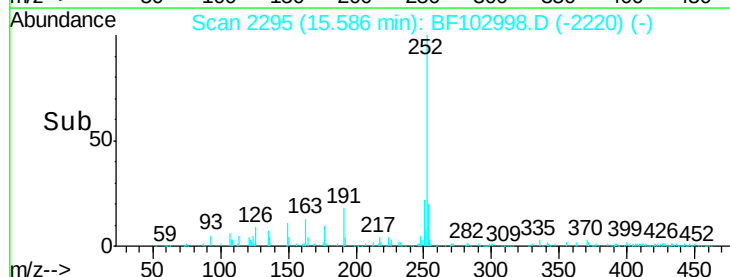
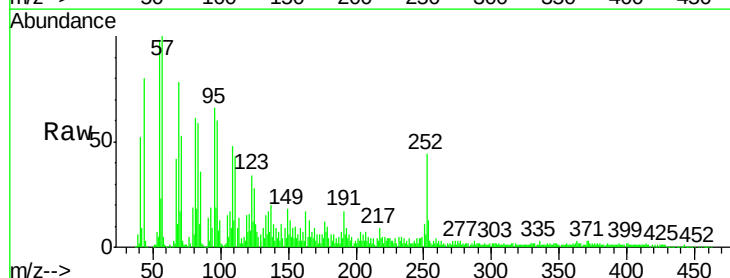
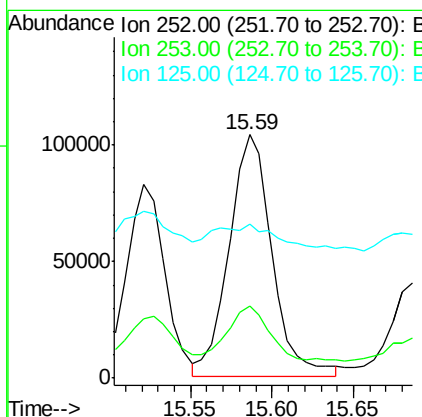
RT: 15.59 min Scan# 2295

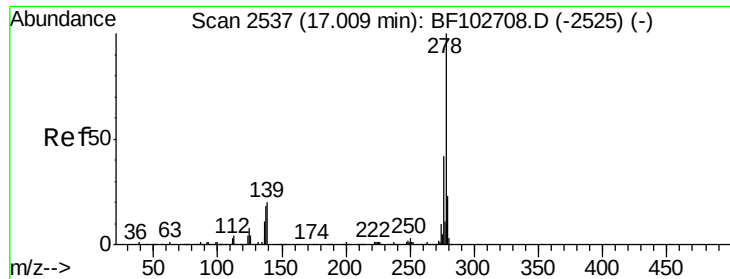
Delta R.T. 0.14 min

Lab File: BF102998.D

Acq: 14 Feb 2018 19:13

Tgt Ion:	252	Resp:	191966
Ion Ratio	Lower	Upper	
252	100		
253	29.7	17.1	25.7#
125	63.3	9.8	14.6#





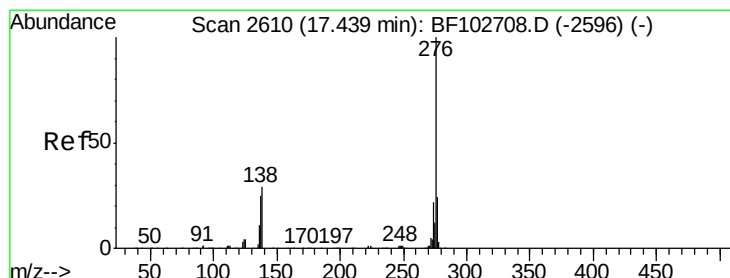
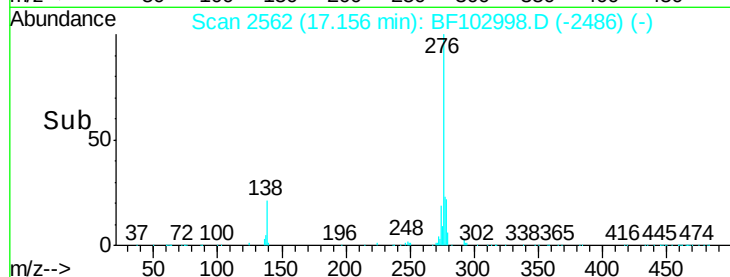
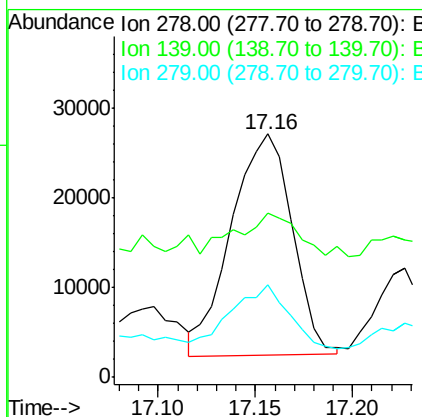
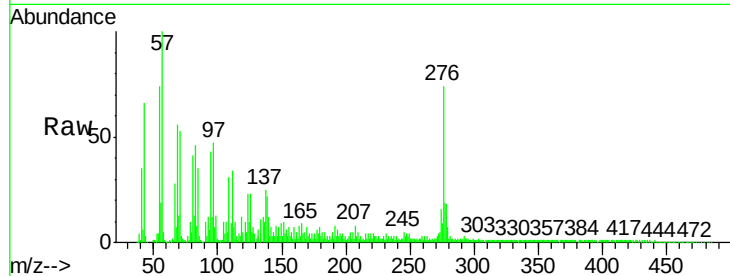
#90
Dibenzo(a,h)anthracene
Concen: 12.002 ng m
RT: 17.16 min Scan# 2562
Delta R.T. 0.15 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Instrument :
BNA_F
ClientSampleId :
CB-1-SW(0-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	67.3	15.9	23.9#
279	38.1	19.0	28.4#

Manual Integrations
APPROVED

Sohil
2/15/2018 11:06:34 AM



#91
Benzo(g,h,i)perylene
Concen: 51.788 ng
RT: 17.61 min Scan# 2639
Delta R.T. 0.17 min
Lab File: BF102998.D
Acq: 14 Feb 2018 19:13

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.9	26.9
138	31.6	21.8	32.8

