

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
 Data File : BF102997.D
 Acq On : 14 Feb 2018 18:46
 Operator : SJ/JU
 Sample : J1539-18
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-NW(4-9)

Manual Integrations
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 2/15/2018 11:06:32 AM

Quant Time: Feb 15 10:25:34 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	168857	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	687297	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	259244	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	327867	20.00	ng	0.00
75) Chrysene-d12	14.06	240	195183	20.00	ng	0.02
86) Perylene-d12	15.57	264	165888	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	1014216	91.22	ng	0.01
7) Phenol-d6	6.50	99	1219417	91.08	ng	0.00
23) Nitrobenzene-d5	7.44	82	779296	78.66	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	174527	83.64	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	1077235	68.95	ng	0.00
78) Terphenyl-d14	13.00	244	558363	67.74	ng	0.01
Target Compounds						
10) Phenol	6.52	94	48008	3.346	ng	87
31) Naphthalene	8.18	128	88707	2.642	ng	99
37) 2-Methylnaphthalene	8.87	142	80356	3.655	ng	97
49) Dimethylphthalate	9.62	163	101807	5.037	ng	# 97
70) Phenanthrene	11.43	178	261293	14.310	ng	98
71) Anthracene	11.48	178	45255m	2.437	ng	
73) Di-n-butylphthalate	11.96	149	44641	2.020	ng	# 81
74) Fluoranthene	12.63	202	241874	13.166	ng	96
77) Pyrene	12.86	202	228505	14.930	ng	97
80) Benzo(a)anthracene	14.05	228	99332	8.092	ng	# 90
82) Chrysene	14.09	228	113976	9.211	ng	# 90
85) Indeno(1,2,3-cd)pyrene	17.07	276	45802	4.463	ng	97
87) Benzo(b)fluoranthene	15.12	252	93008m	8.648	ng	
88) Benzo(k)fluoranthene	15.14	252	40120m	3.904	ng	
89) Benzo(a)pyrene	15.50	252	66219m	6.840	ng	
91) Benzo(g,h,i)perylene	17.53	276	48668	6.328	ng	# 86

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

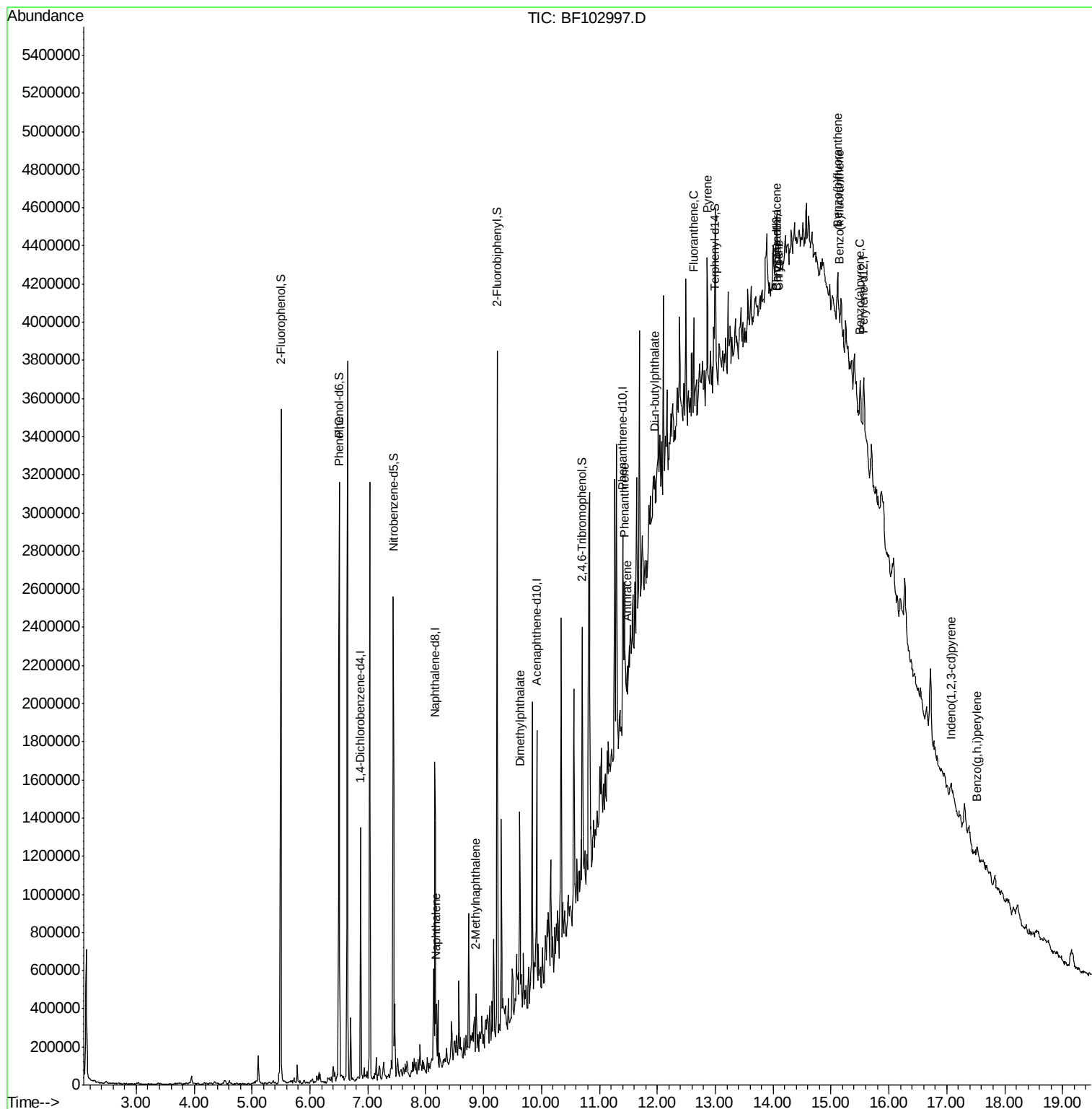
Data Path : Z:\HPCHEM1\BNA F\DATA\BF021418\
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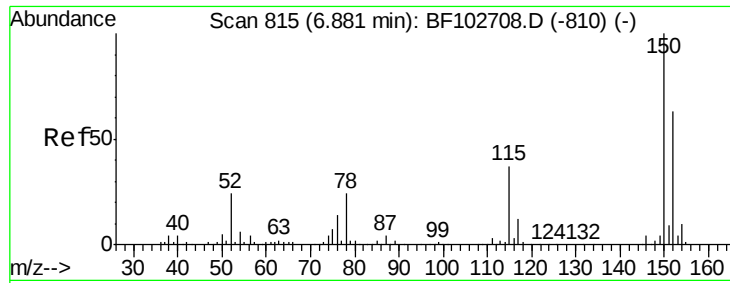
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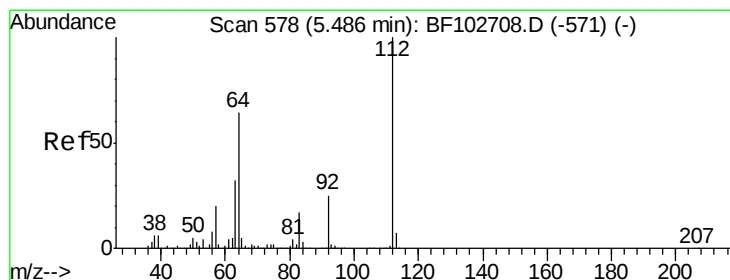
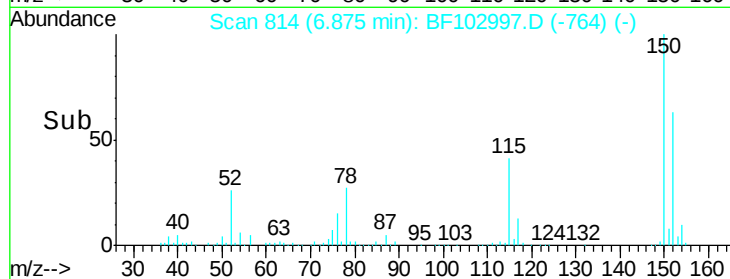
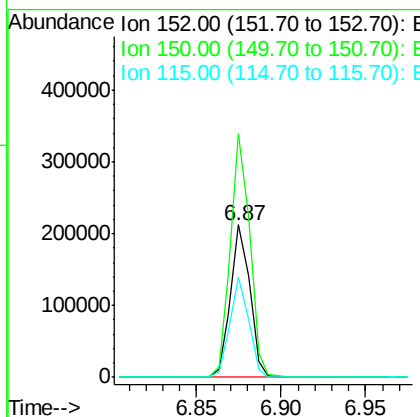
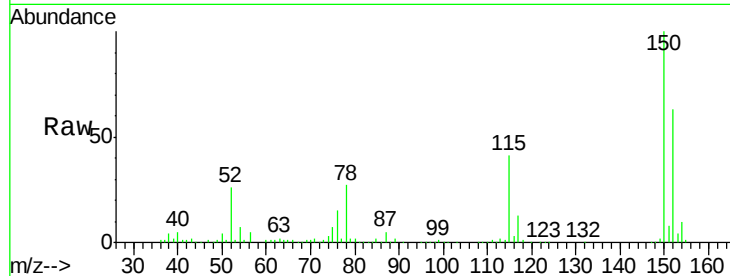
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.87 min Scan# 814
 Delta R.T. -0.01 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-NW(4-9)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.6	186.8
115	65.4	50.1	75.1

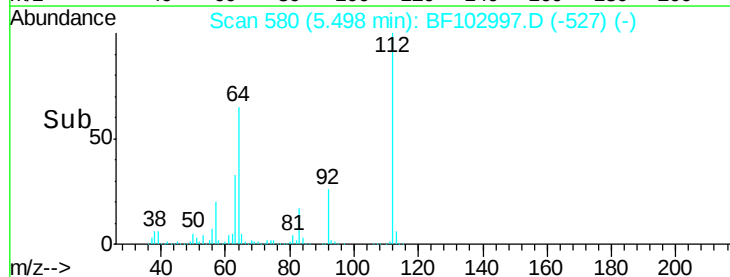
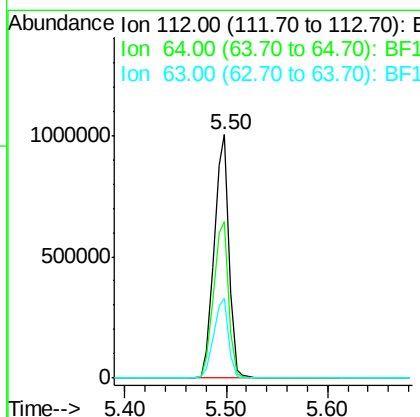
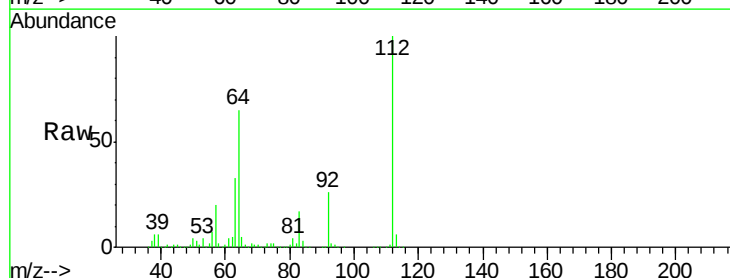
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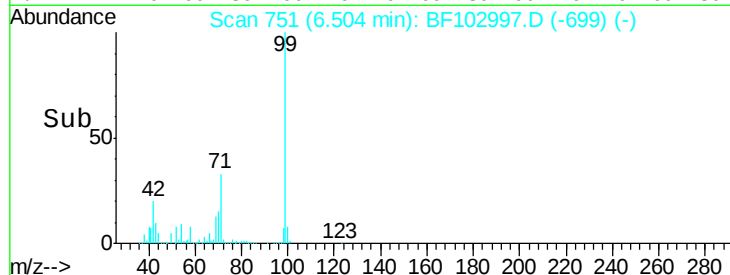
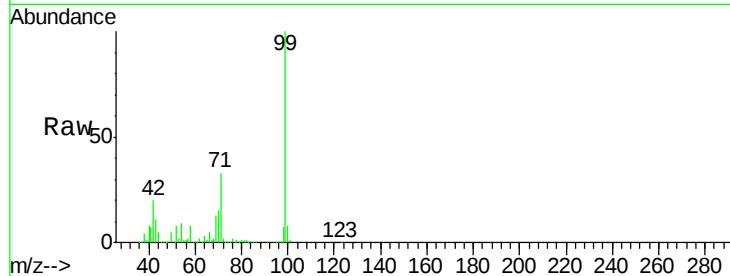
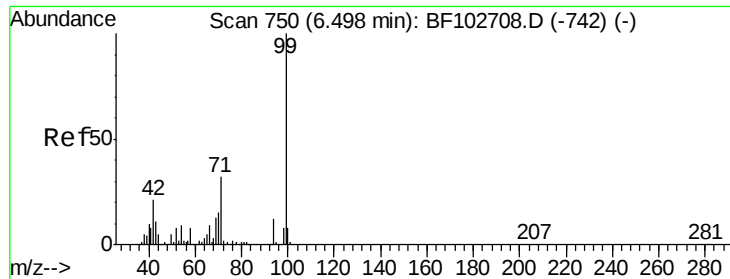
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#5
 2-Fluorophenol
 Concen: 91.217 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.5	47.9	71.9
63	32.6	23.7	35.5





#7

Phenol-d6

Concen: 91.085 ng

RT: 6.50 min Scan# 751

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tot Ion:	99	Resp:	1219417
Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	33.5	25.4	38.0

Instrument :

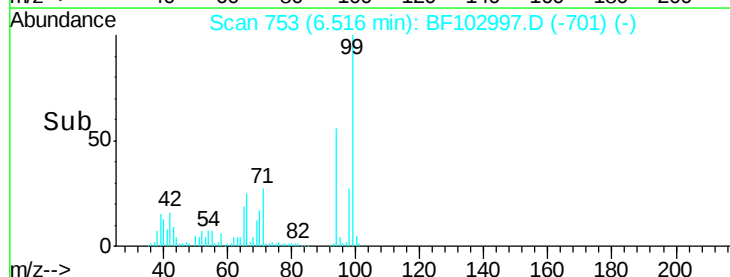
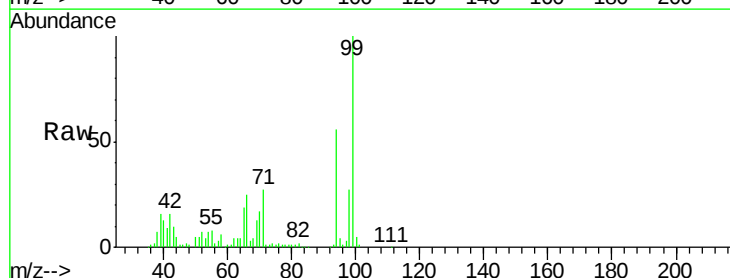
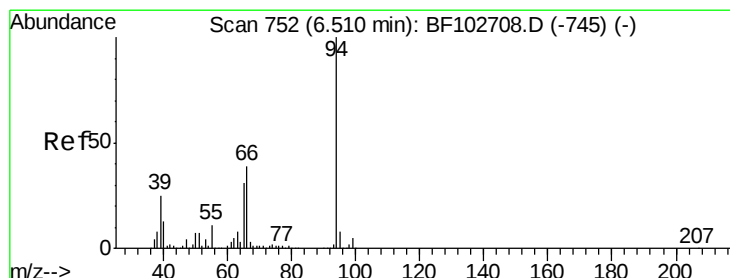
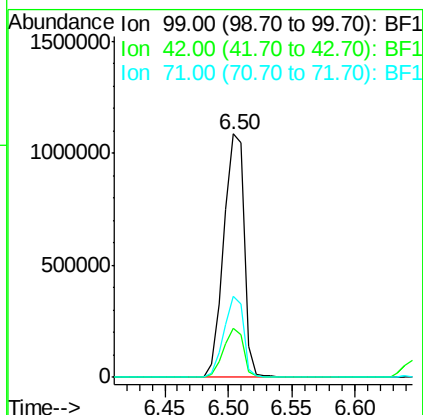
BNA_F

ClientSampleId :

CB-1-NW(4-9)

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#10

Phenol

Concen: 3.346 ng

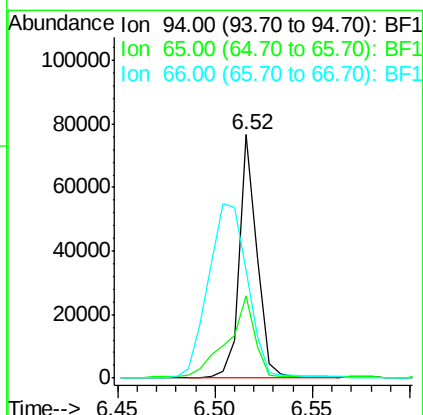
RT: 6.52 min Scan# 753

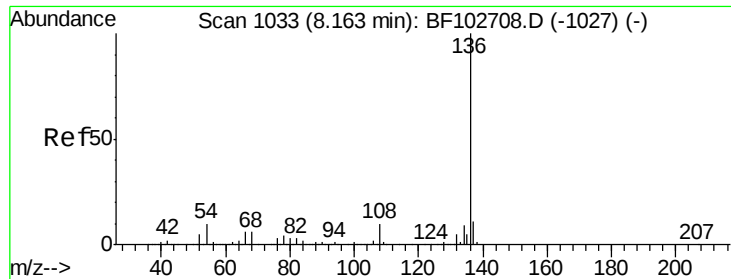
Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion:	94	Resp:	48008
Ion	Ratio	Lower	Upper
94	100		
65	33.7	7.9	47.9
66	44.3	16.2	56.2





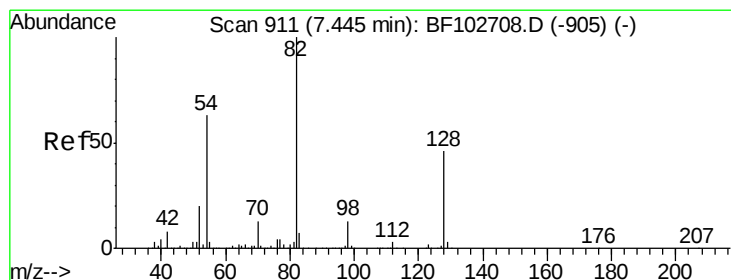
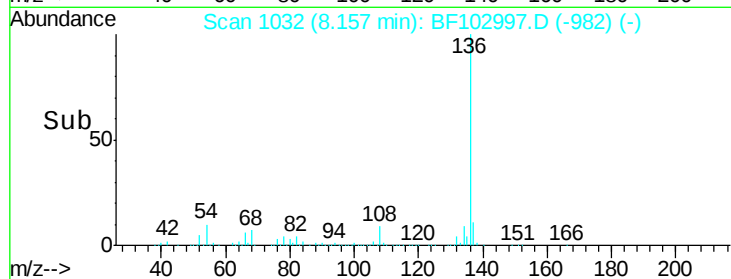
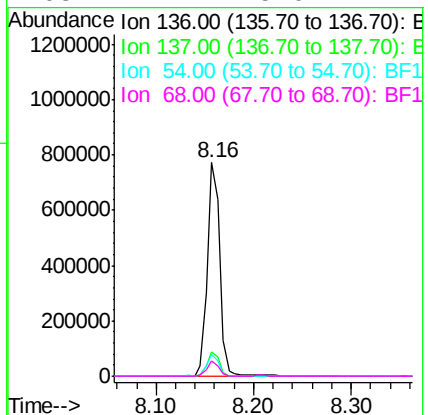
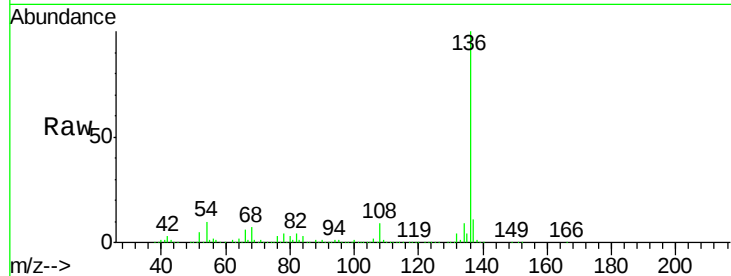
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(4-9)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	687297		
137	11.3	8.9	13.3	
54	10.4	6.6	9.8	
68	7.2	5.0	7.4	

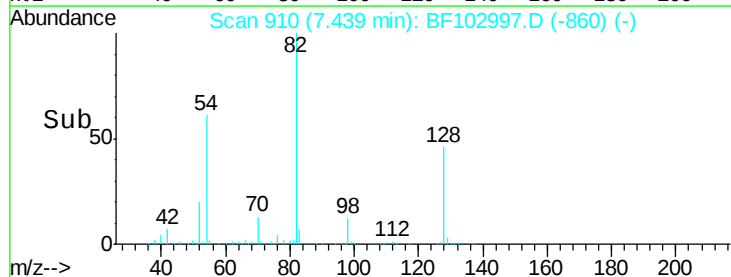
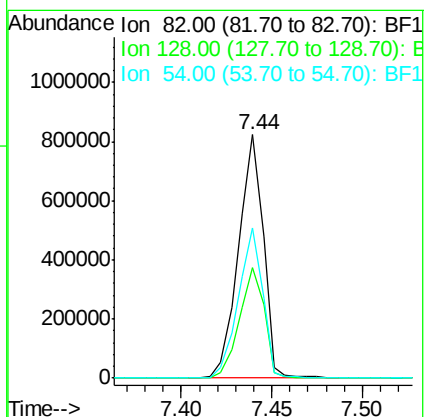
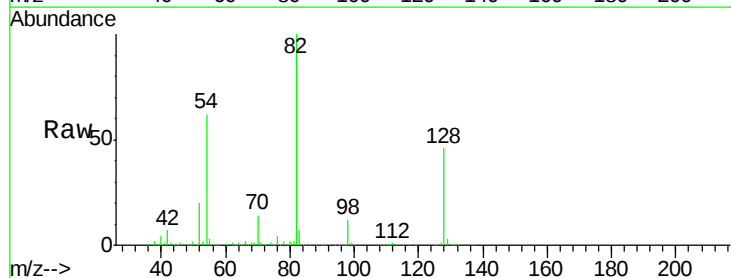
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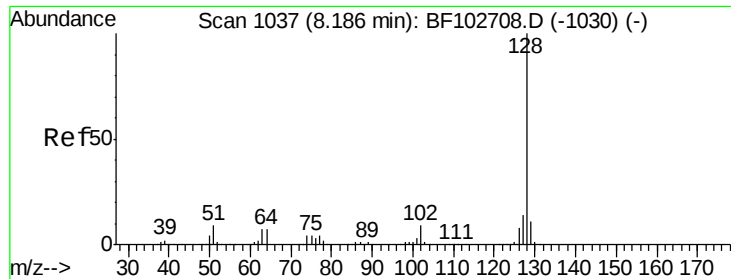
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#23
Nitrobenzene-d5
Concen: 78.656 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	779296		
128	45.6	36.1	54.1	
54	61.5	41.4	62.2	





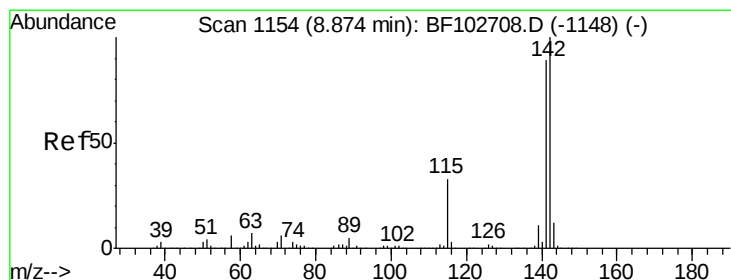
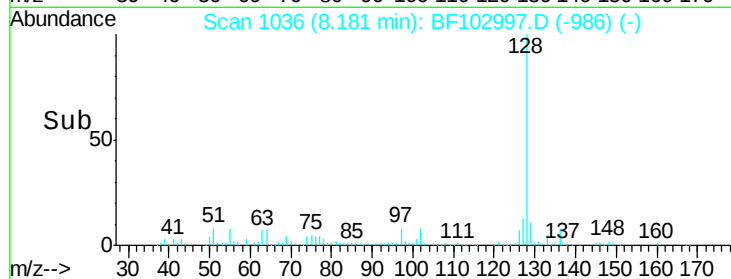
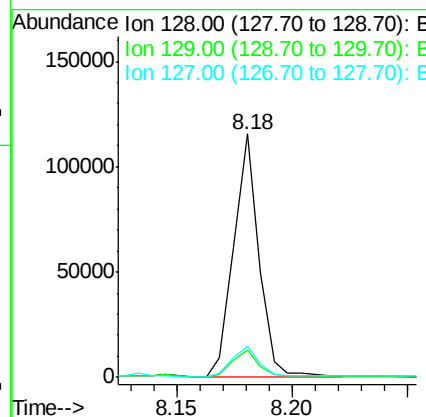
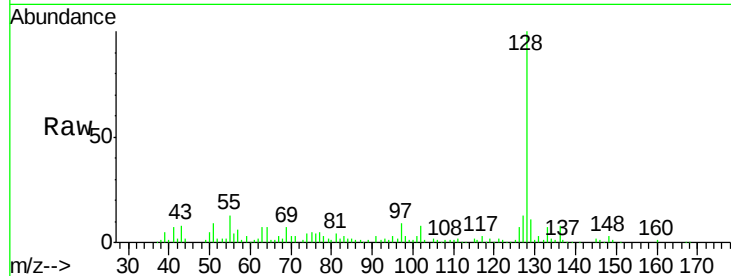
#31
Naphthalene
Concen: 2.642 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(4-9)

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	12.9	10.9	16.3

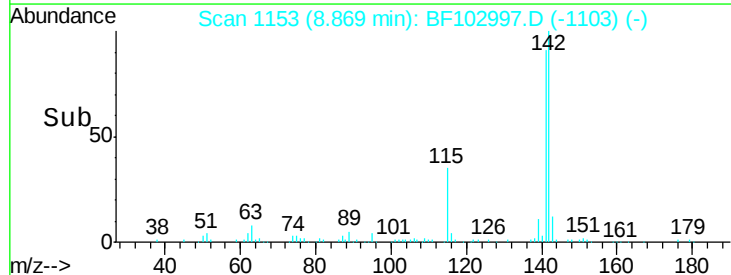
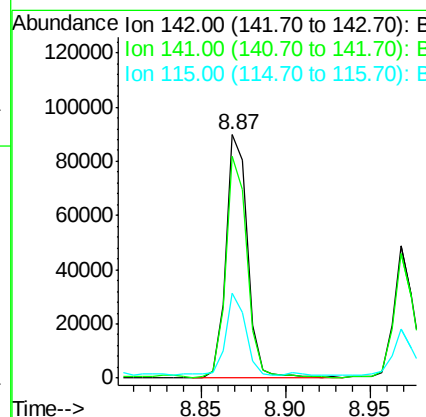
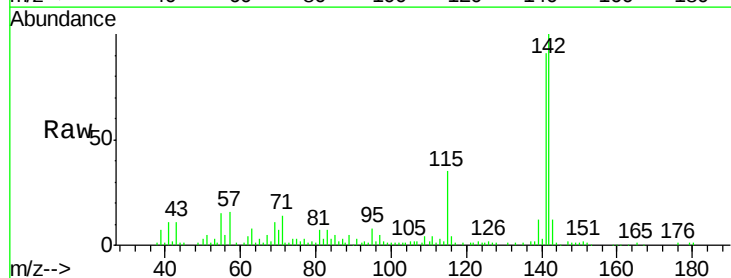
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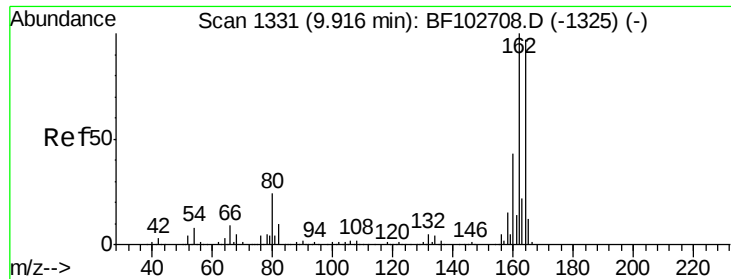
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#37
2-Methylnaphthalene
Concen: 3.655 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.8	106.2
115	35.0	26.1	39.1





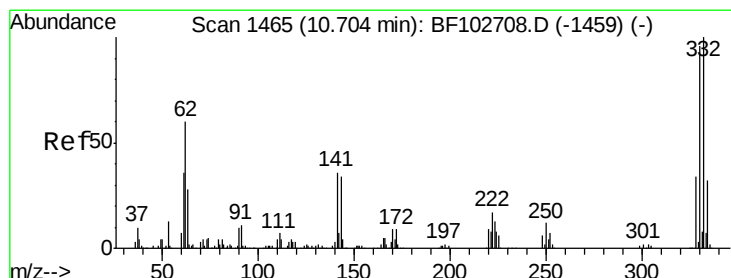
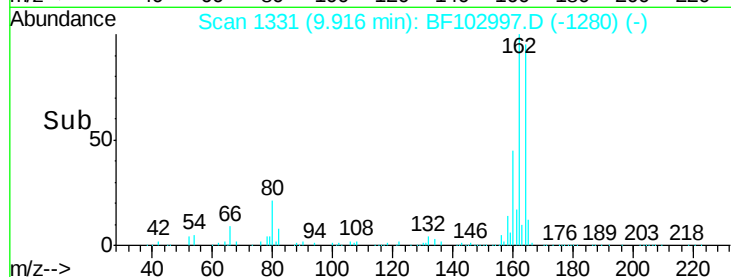
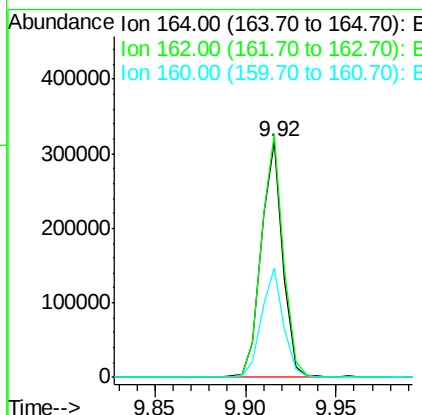
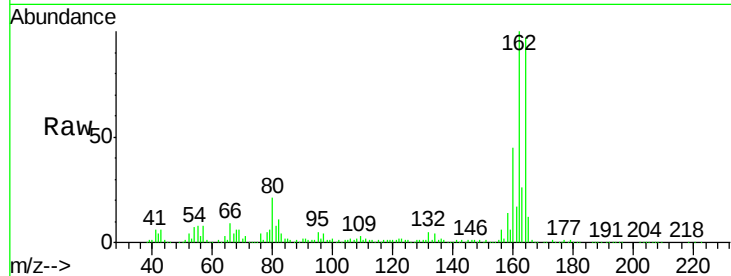
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-NW(4-9)

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.4	86.1	129.1
160	46.3	38.3	57.5

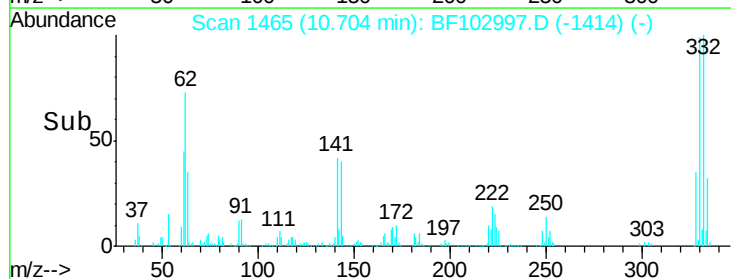
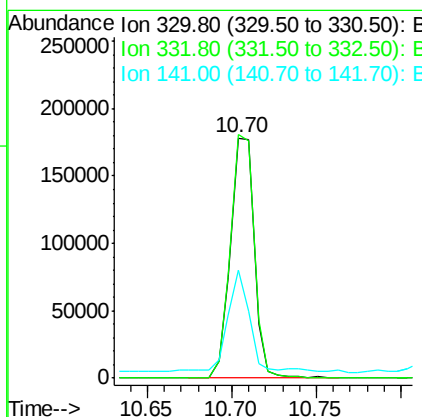
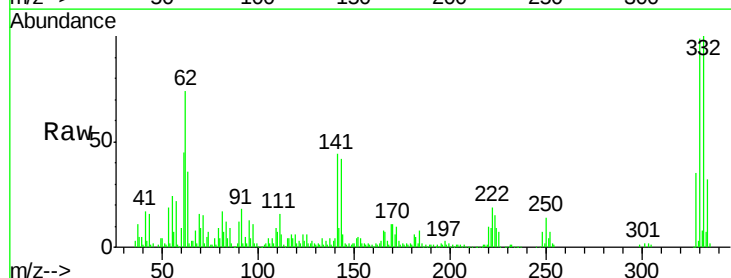
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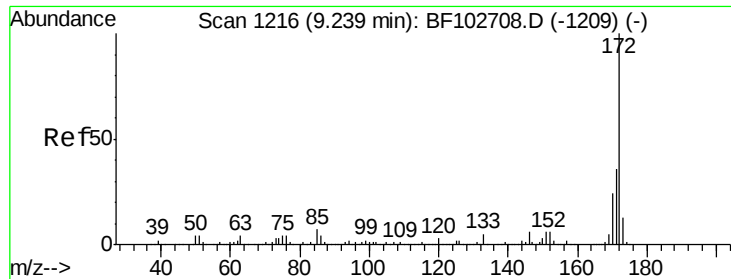
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#41
 2,4,6-Tribromophenol
 Concen: 83.641 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. 0.00 min
 Lab File: BF102997.D
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	101.7	77.0	115.6
141	37.9	29.9	44.9





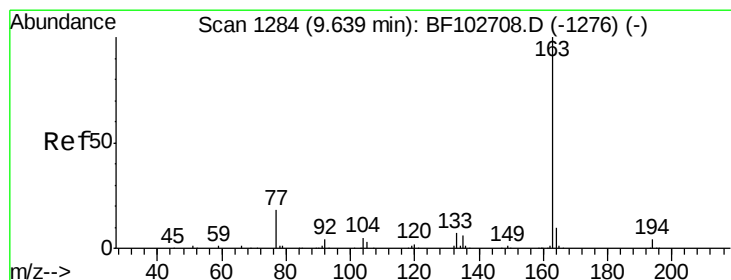
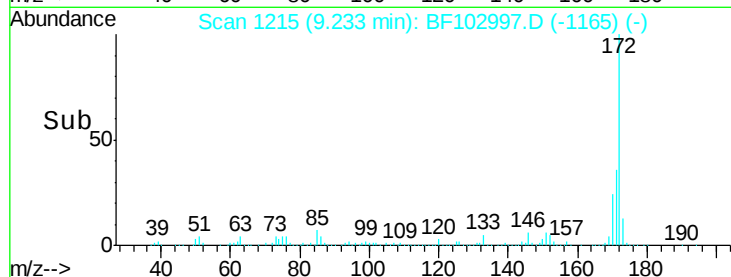
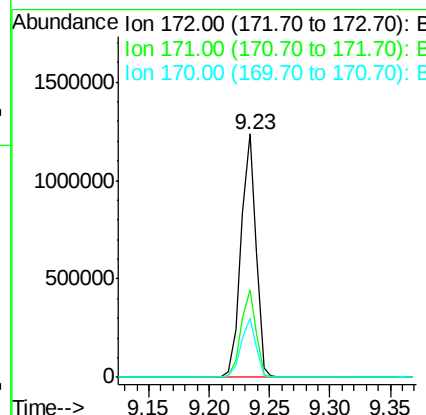
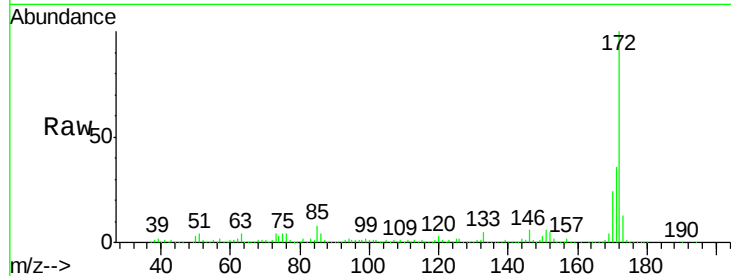
#44
2-Fluorobiphenyl
Concen: 68.951 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Instrument :
BNA_F
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CB-1-NW(4-9)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	24.4	19.6	29.4

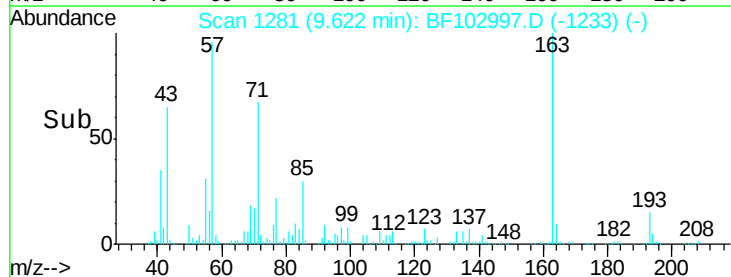
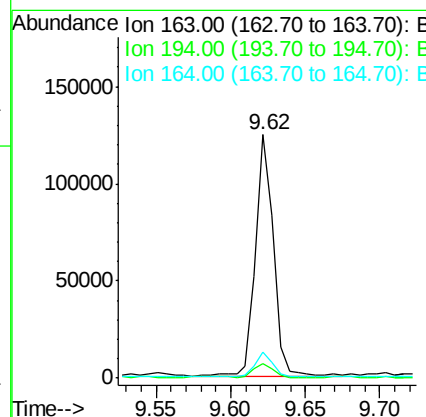
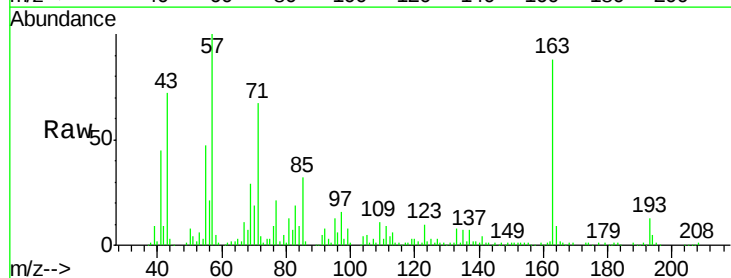
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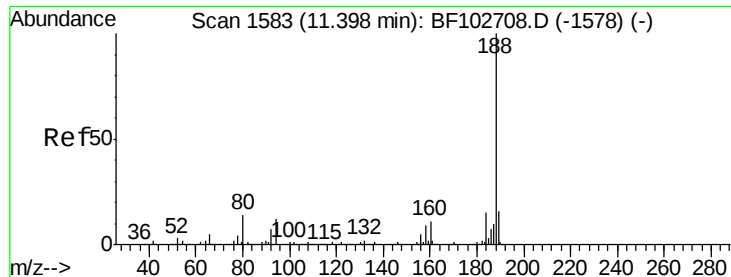
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#49
Dimethylphthalate
Concen: 5.037 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.02 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Lower	Upper
163	100		
194	6.2	2.7	4.1#
164	10.6	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

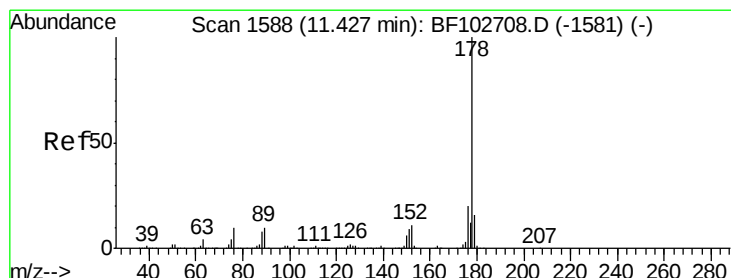
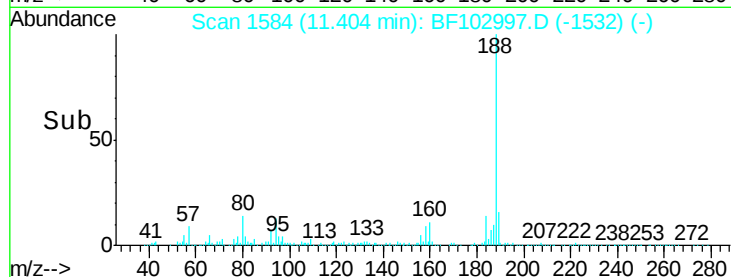
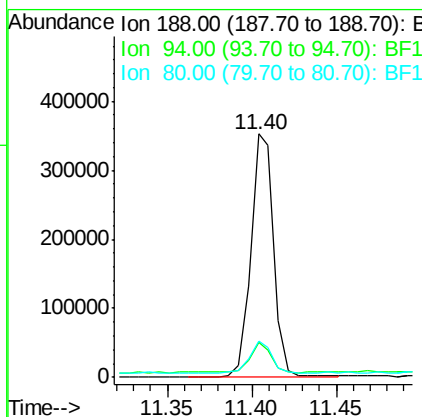
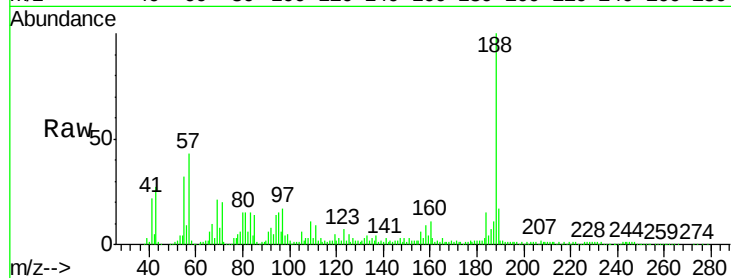
ClientSampleId :

CB-1-NW(4-9)

Tot Ion:	188	Resp:	327867
Ion Ratio	Lower	Upper	
188	100		
94	14.4	8.5	12.7#
80	15.1	9.2	13.8#

Manual Integrations
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#70

Phenanthrene

Concen: 14.310 ng

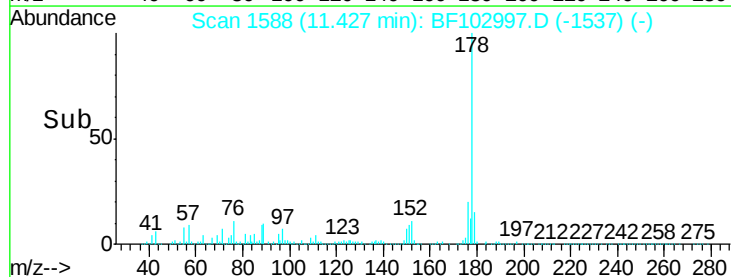
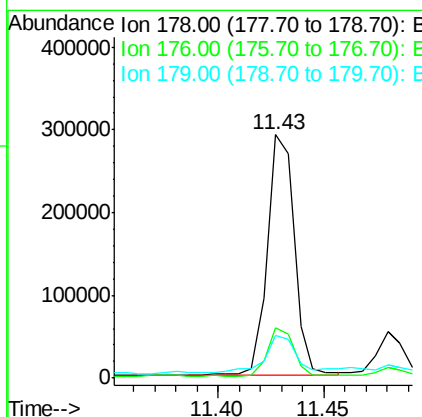
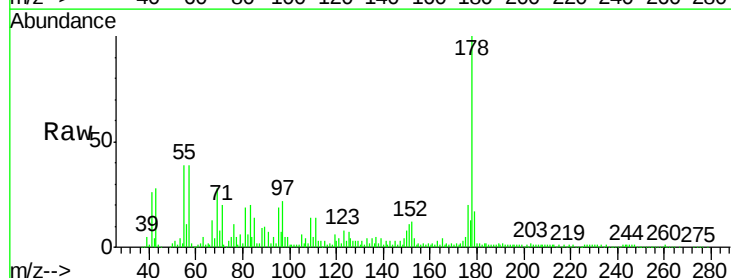
RT: 11.43 min Scan# 1588

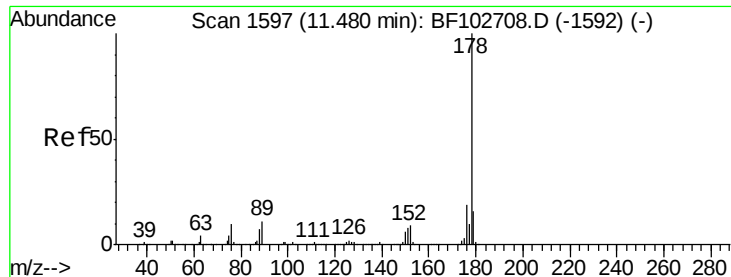
Delta R.T. 0.00 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion:	178	Resp:	261293
Ion Ratio	Lower	Upper	
178	100		
176	20.4	15.8	23.8
179	17.5	13.0	19.6





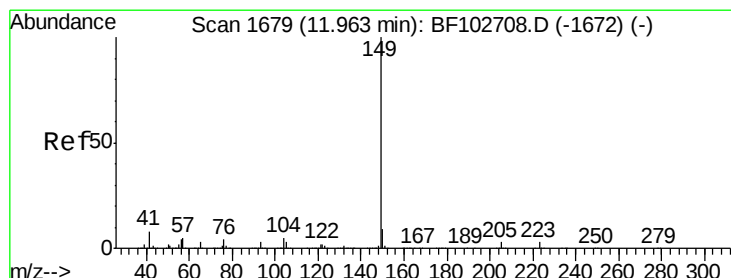
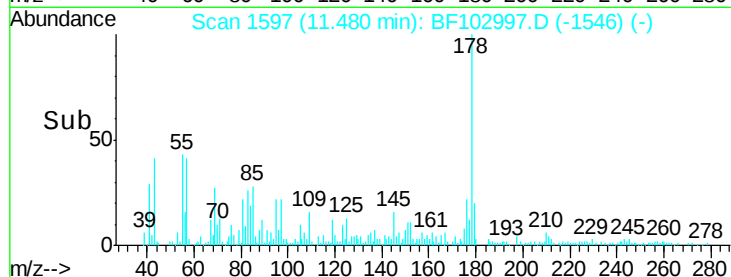
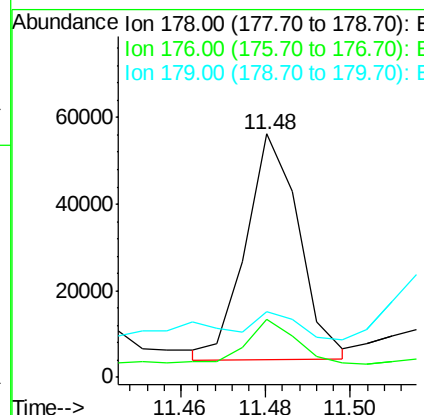
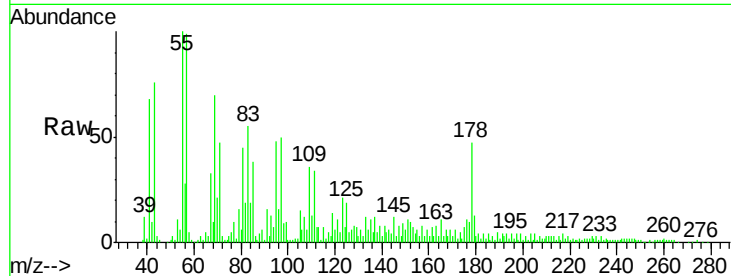
#71
 Anthracene
 Concen: 2.437 ng/mL
 RT: 11.48 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

Instrument :
 BNA_F
 ClientSampleId :
 CB-1-NW(4-9)

Tot Ion	Ratio	Lower	Upper
178	100		
176	24.0	15.4	23.2#
179	27.2	12.6	19.0#

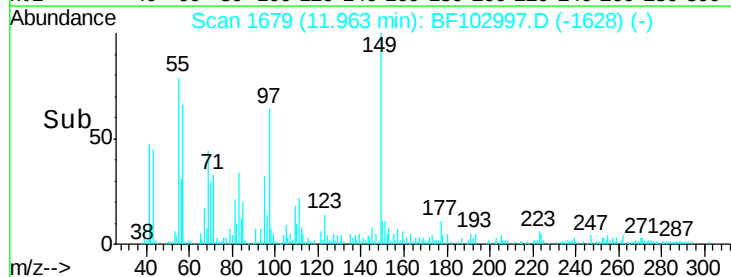
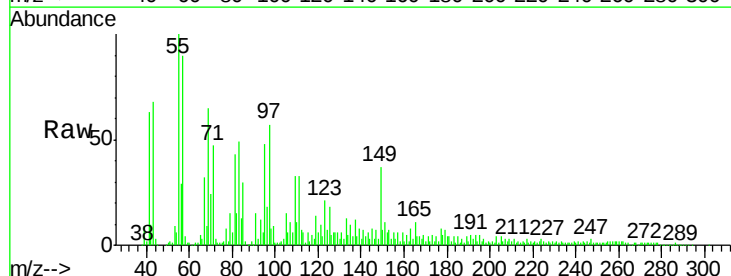
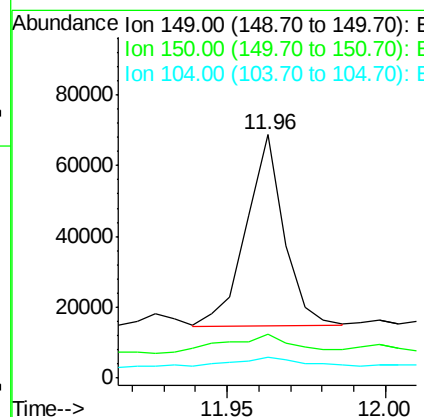
Manual Integrations
 APPROVED

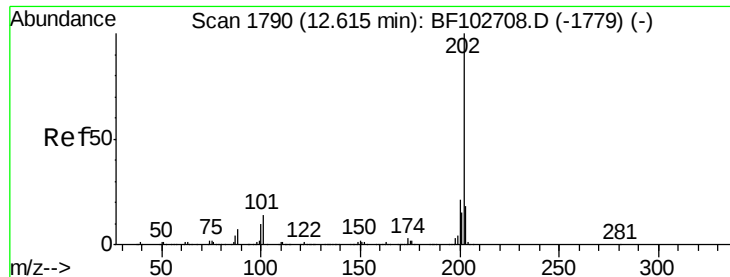
Sohil
 2/15/2018 11:06:32 AM



#73
 Di-n-butylphthalate
 Concen: 2.020 ng/mL
 RT: 11.96 min Scan# 1679
 Delta R.T. 0.00 min
 Lab File: BF102997.D
 Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Lower	Upper
149	100		
150	18.0	7.8	11.6#
104	8.4	3.8	5.8#





#74

Fluoranthene

Concen: 13.166 ng

RT: 12.63 min Scan# 1792

Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

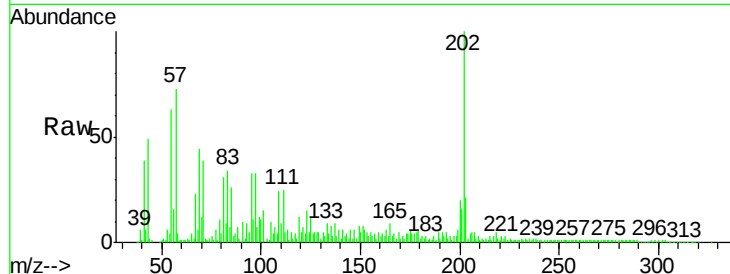
ClientSampleId :

CB-1-NW(4-9)

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.8	0.0	34.1
203	20.6	0.0	38.1

Manual Integrations
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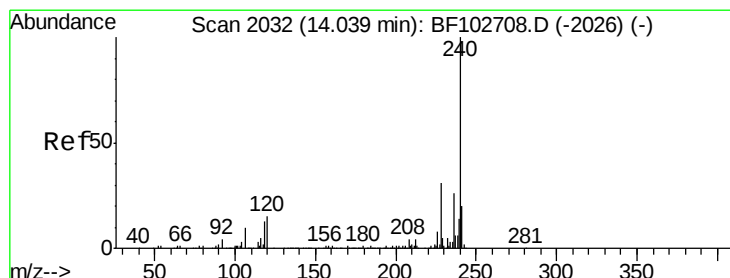
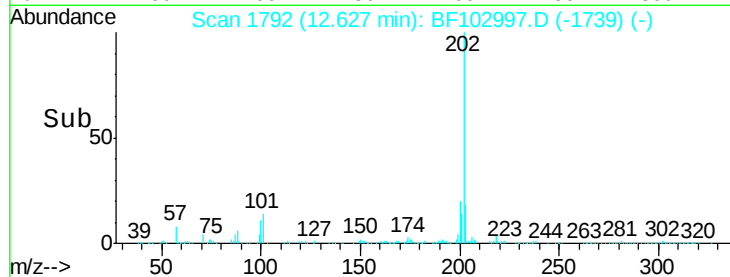
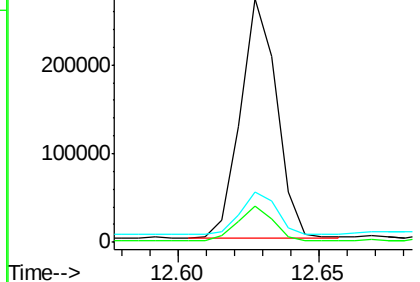
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.06 min Scan# 2036

Delta R.T. 0.02 min

Lab File: BF102997.D

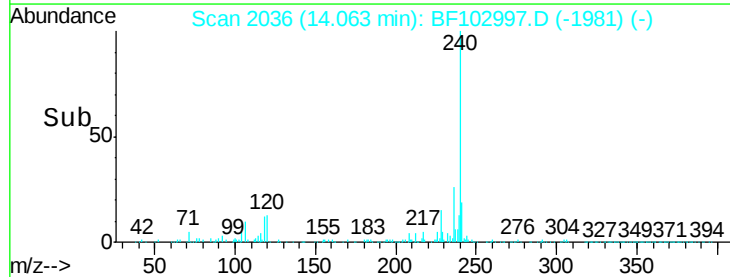
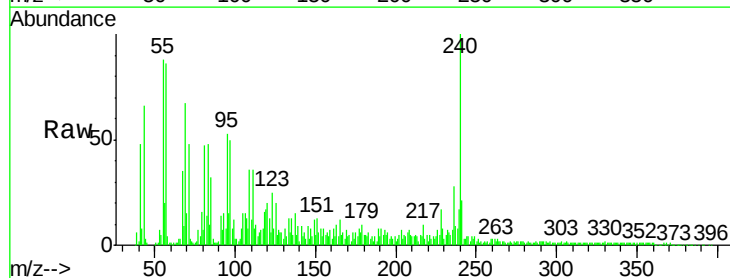
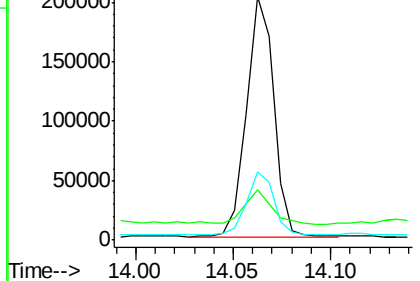
Acq: 14 Feb 2018 18:46

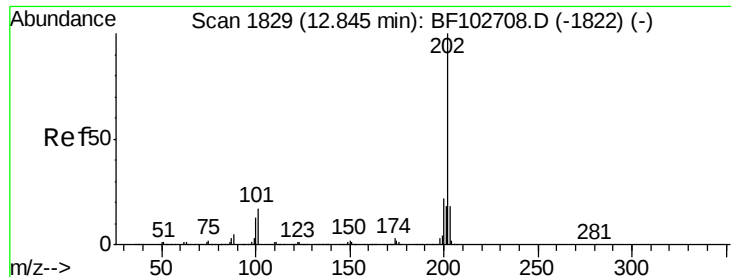
Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	20.5	9.5	14.3#
236	28.2	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 14.930 ng

RT: 12.86 min Scan# 1832

Delta R.T. 0.02 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

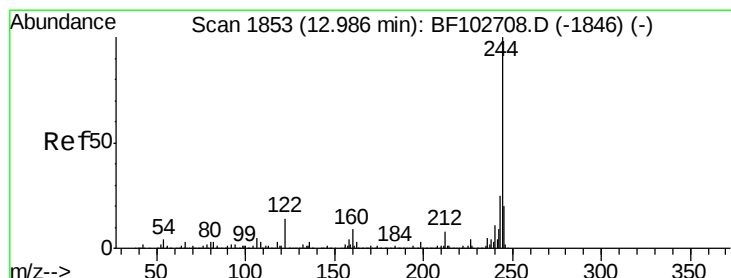
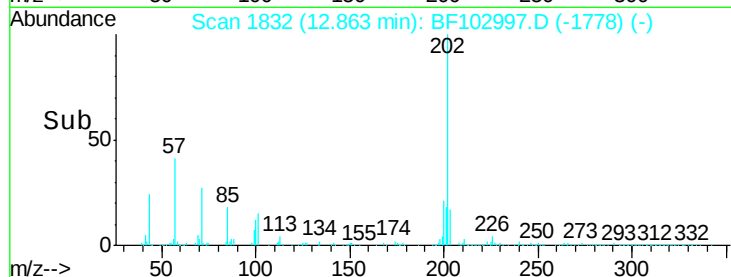
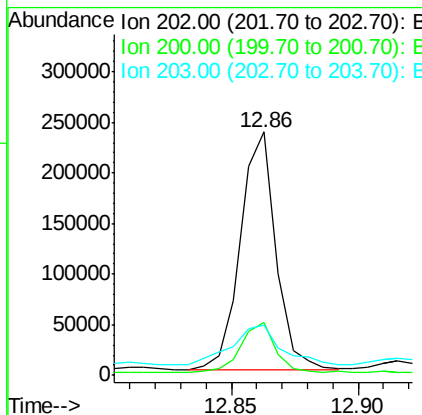
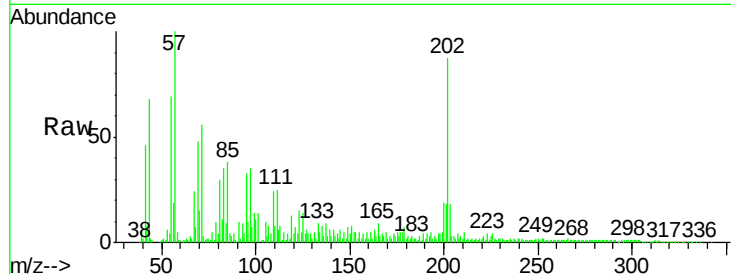
ClientSampleId :

CB-1-NW(4-9)

Tot Ion	Ratio	Resp	Lower	Upper
202	100			
200	21.6	17.4	26.2	
203	20.7	14.3	21.5	

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#78

Terphenyl-d14

Concen: 67.735 ng

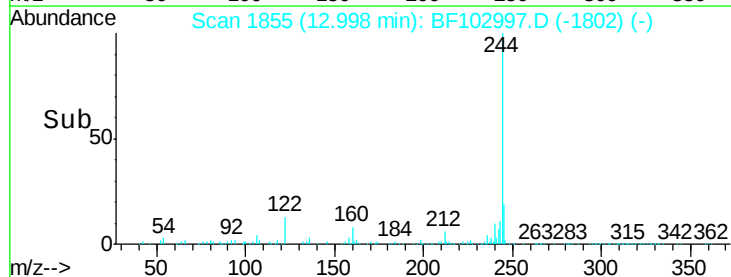
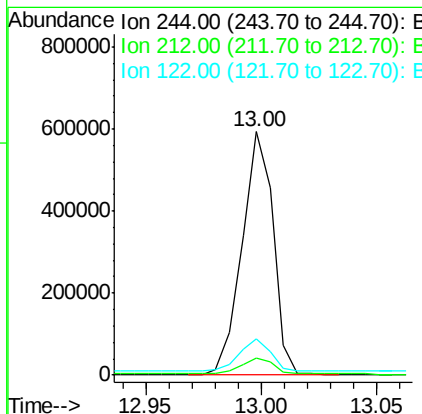
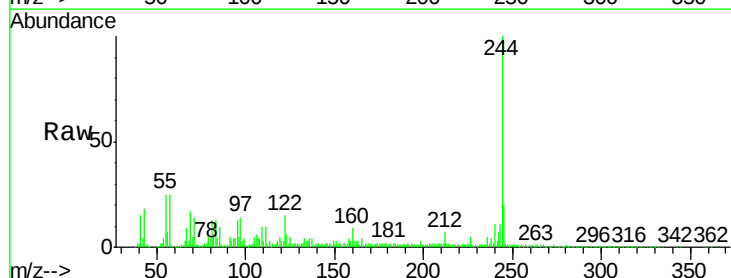
RT: 13.00 min Scan# 1855

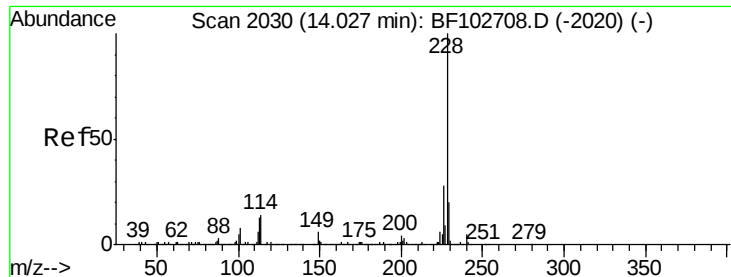
Delta R.T. 0.01 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Resp	Lower	Upper
244	100			
212	7.0	5.4	8.0	
122	14.7	11.0	16.4	





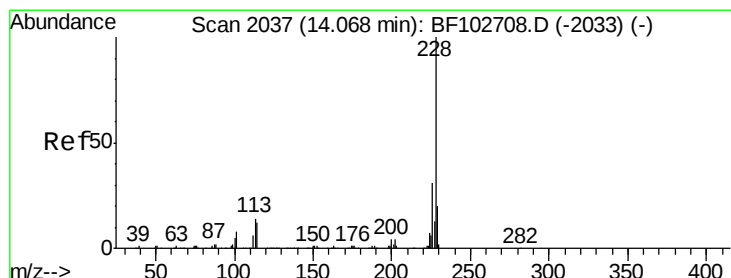
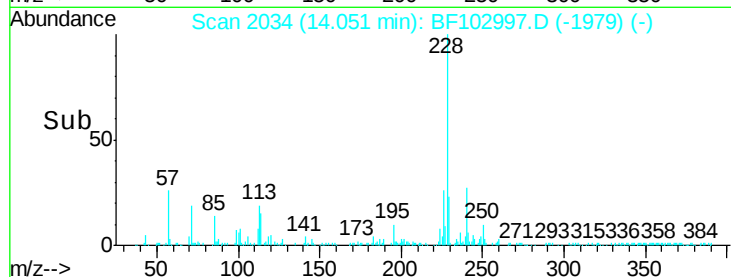
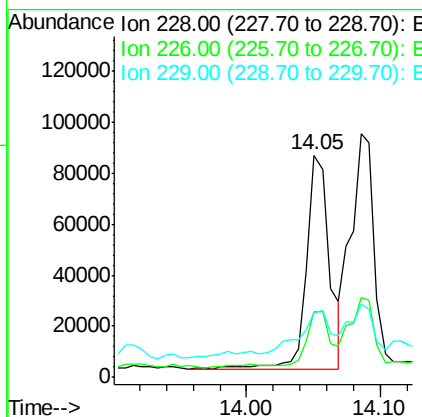
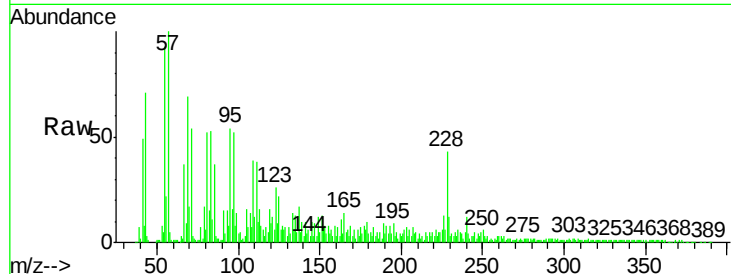
#80
Benzo(a)anthracene
Concen: 8.092 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.02 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(4-9)

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	22.6	33.8
229	28.8	15.8	23.6

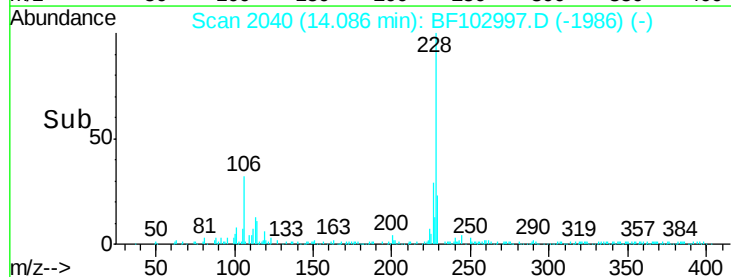
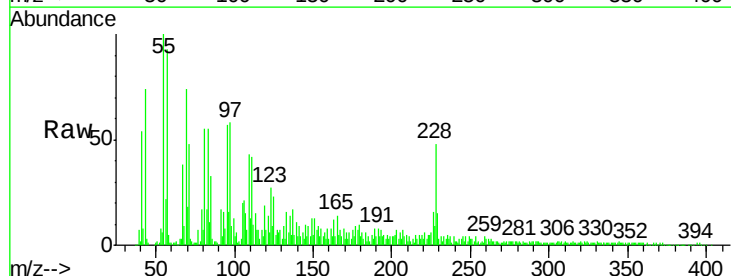
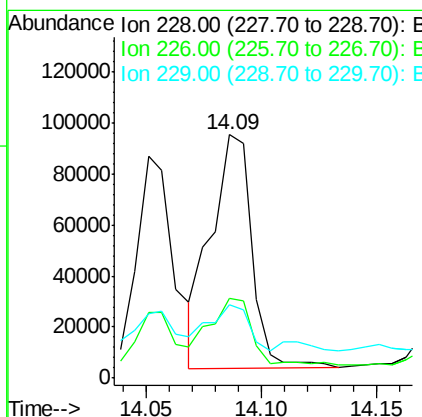
Manual Integrations
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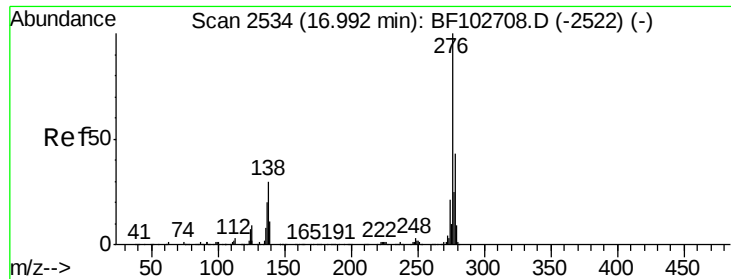
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#82
Chrysene
Concen: 9.211 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.02 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Lower	Upper
228	100		
226	32.9	25.0	37.6
229	30.2	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.463 ng

RT: 17.07 min Scan# 2547

Delta R.T. 0.08 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

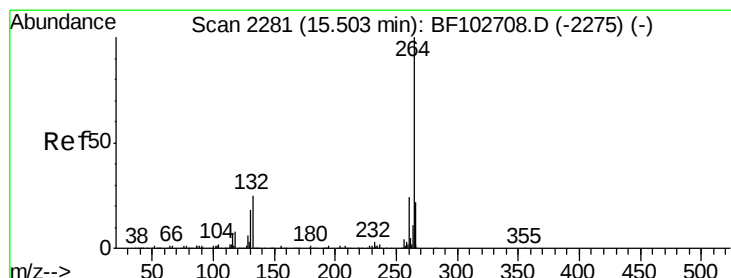
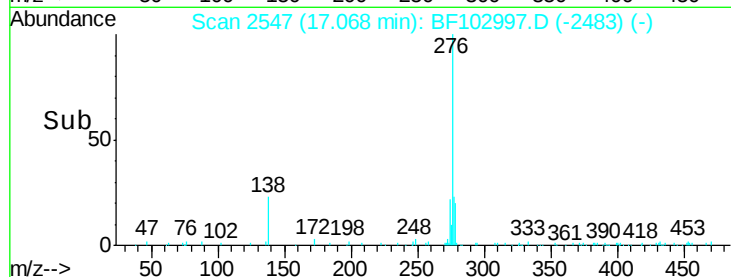
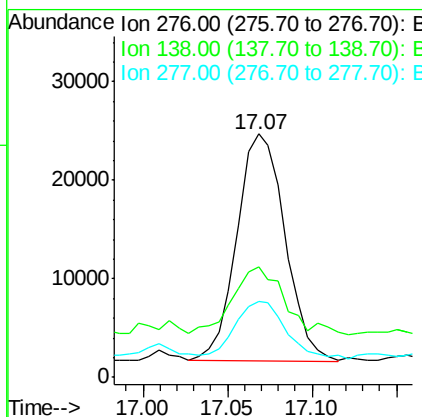
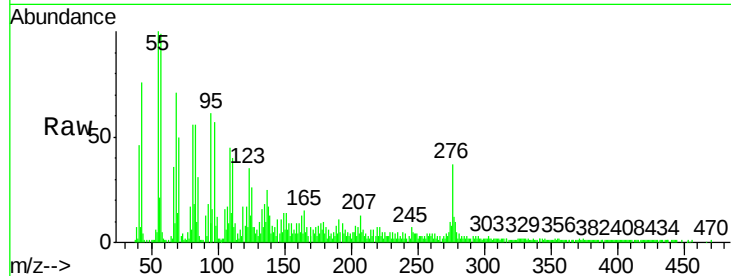
ClientSampleId :

CB-1-NW(4-9)

Tot Ion:	276	Resp:	45802
Ion Ratio	Lower	Upper	
276	100		
138	32.2	25.0	37.6
277	27.0	20.1	30.1

Manual Integrations
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#86

Perylene-d12

Concen: 20.000 ng

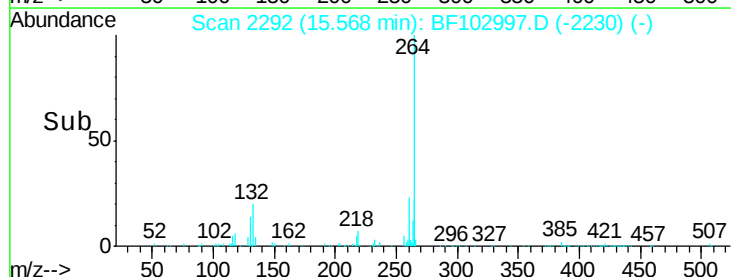
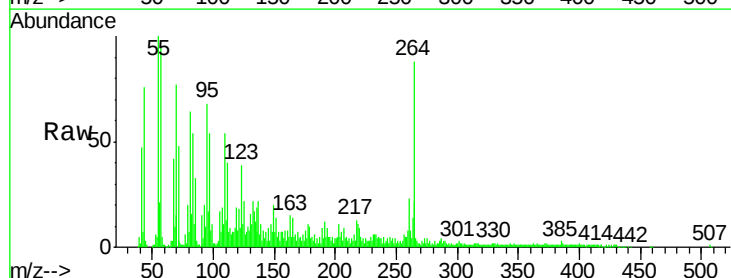
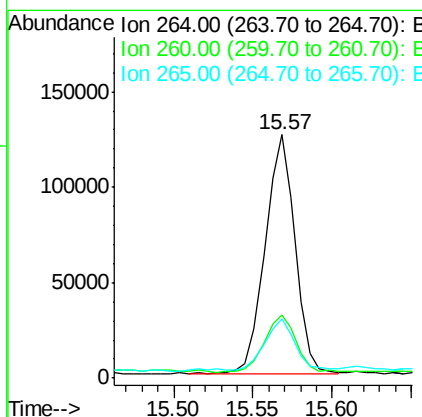
RT: 15.57 min Scan# 2292

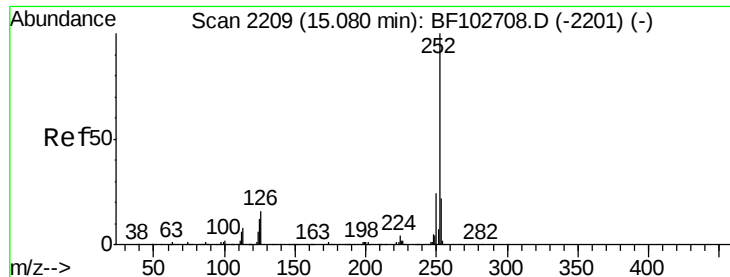
Delta R.T. 0.06 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion:	264	Resp:	165888
Ion Ratio	Lower	Upper	
264	100		
260	26.2	19.2	28.8
265	24.5	17.5	26.3





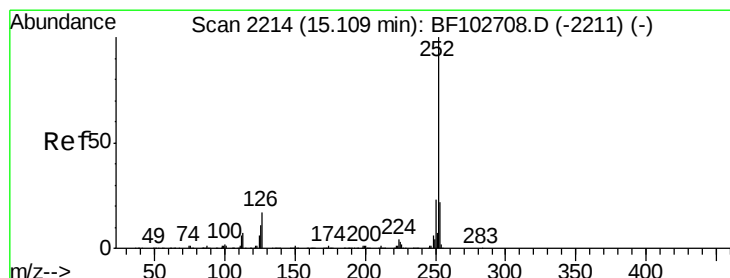
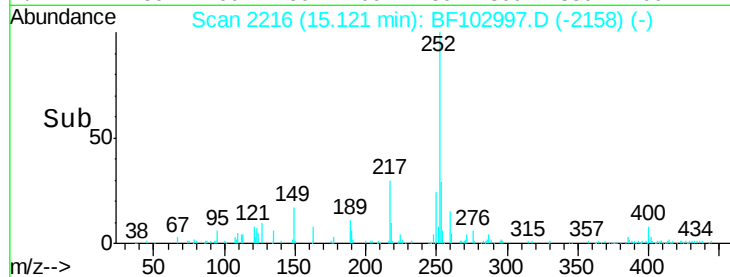
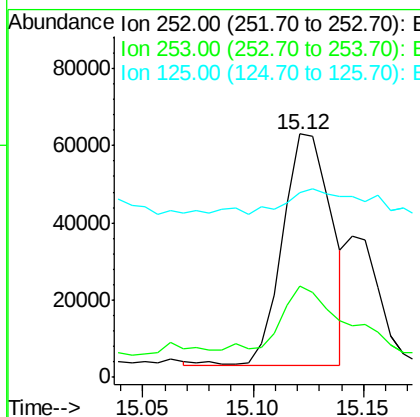
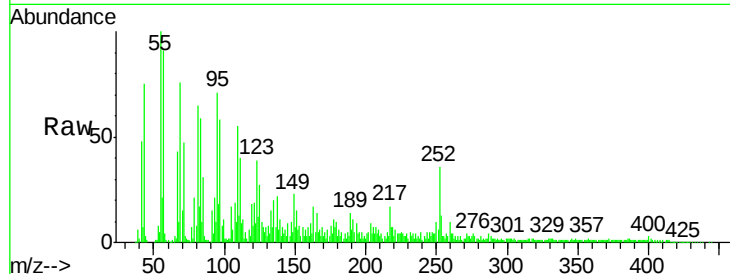
#87
Benzo(b)fluoranthene
Concen: 8.648 ng m
RT: 15.12 min Scan# 2216
Delta R.T. 0.04 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Instrument :
BNA_F
ClientSampleId :
CB-1-NW(4-9)

Tot Ion	Ratio	Lower	Upper
252	100		
253	37.2	17.0	25.6#
125	75.6	9.0	13.6#

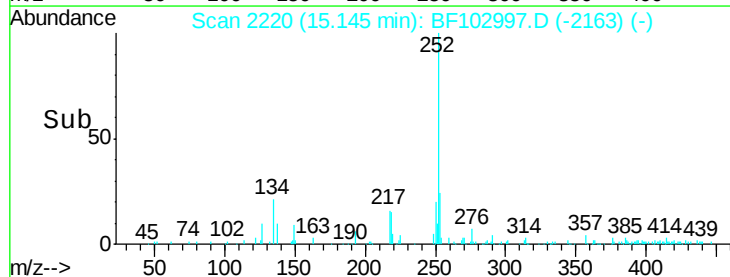
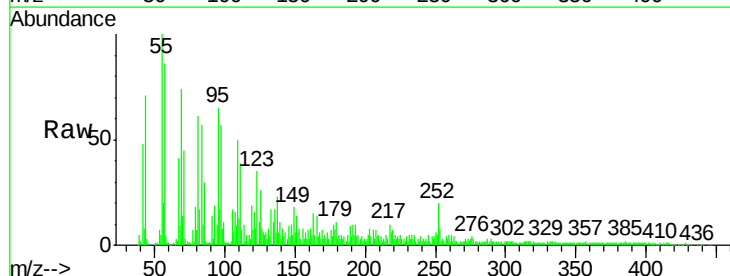
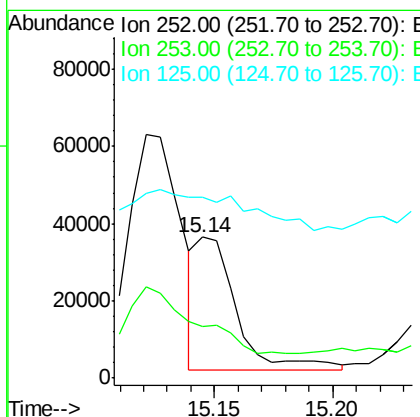
Manual Integrations
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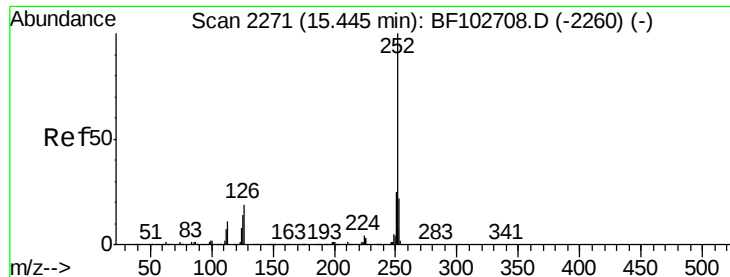
Sohil
2/15/2018 11:06:32 AM



#88
Benzo(k)fluoranthene
Concen: 3.904 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.04 min
Lab File: BF102997.D
Acq: 14 Feb 2018 18:46

Tgt Ion	Ratio	Lower	Upper
252	100		
253	36.9	17.9	26.9#
125	128.8	10.2	15.2#





#89

Benzo(a)pyrene

Concen: 6.840 ng/mL

RT: 15.50 min Scan# 2280

Delta R.T. 0.05 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Instrument :

BNA_F

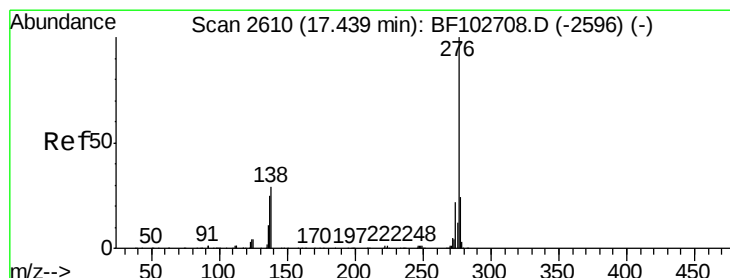
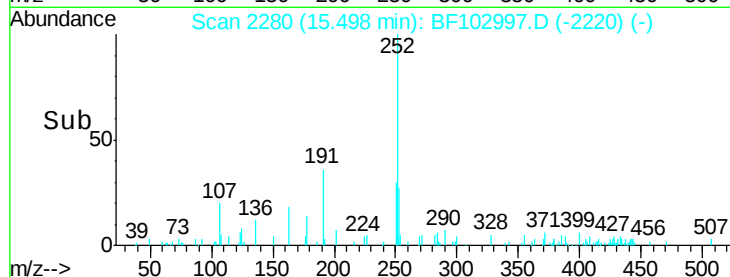
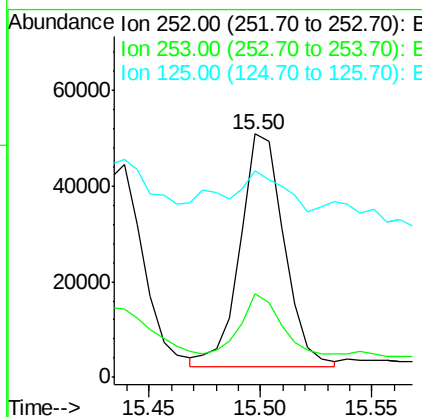
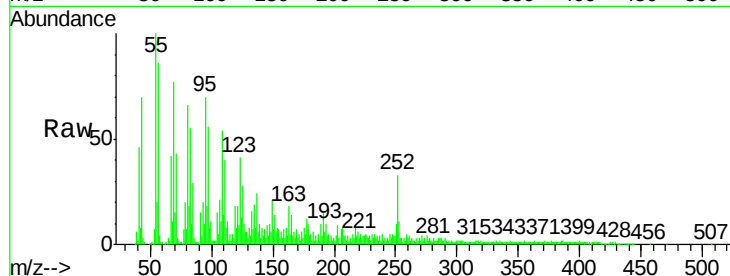
ClientSampleId :

CB-1-NW(4-9)

Tot Ion:	252	Resp:	66219
Ion Ratio	Lower	Upper	
252	100		
253	34.2	17.1	25.7#
125	84.8	9.8	14.6#

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 6.328 ng/mL

RT: 17.53 min Scan# 2625

Delta R.T. 0.09 min

Lab File: BF102997.D

Acq: 14 Feb 2018 18:46

Tgt Ion:	276	Resp:	48668
Ion Ratio	Lower	Upper	
276	100		
277	26.1	17.9	26.9
138	37.1	21.8	32.8#

