

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103894.D
 Acq On : 23 Mar 2018 22:18
 Operator : JU/SJ
 Sample : J1996-01
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 A2_SB43_NE_8

Manual Integrations
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Sohil
 3/26/2018 4:33:27 PM

Quant Time: Mar 24 01:54:48 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	126534	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	489835	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	203353	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	324099	20.00	ng	0.00
75) Chrysene-d12	14.17	240	243493	20.00	ng	0.00
86) Perylene-d12	15.72	264	191723	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	844406	101.50	ng	0.00
7) Phenol-d6	6.60	99	1034569	101.65	ng	0.00
23) Nitrobenzene-d5	7.54	82	592179	84.31	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	199033	113.83	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	814161	63.86	ng	0.00
78) Terphenyl-d14	13.10	244	662553	63.16	ng	0.00

Target Compounds				Qvalue		
10) Phenol	6.61	94	73082	6.757	ng	96
31) Naphthalene	8.28	128	65815	2.660	ng	97
48) Acenaphthylene	9.87	152	60190	2.882	ng	100
49) Dimethylphthalate	9.72	163	105789	6.819	ng	99
70) Phenanthrene	11.53	178	129288	7.292	ng	97
71) Anthracene	11.59	178	61165	3.397	ng	99
74) Fluoranthene	12.73	202	440601	24.123	ng	97
77) Pyrene	12.96	202	443754	24.816	ng	99
80) Benzo(a)anthracene	14.16	228	359759	23.341	ng	97
82) Chrysene	14.19	228	330868	22.519	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	213828m	16.665	ng	
87) Benzo(b)fluoranthene	15.26	252	449736m	37.130	ng	
88) Benzo(k)fluoranthene	15.28	252	142165m	12.210	ng	
89) Benzo(a)pyrene	15.65	252	298897	27.206	ng	97
90) Dibenzo(a,h)anthracene	17.31	278	56609	5.951	ng	98
91) Benzo(g,h,i)perylene	17.79	276	212269	22.937	ng	97

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

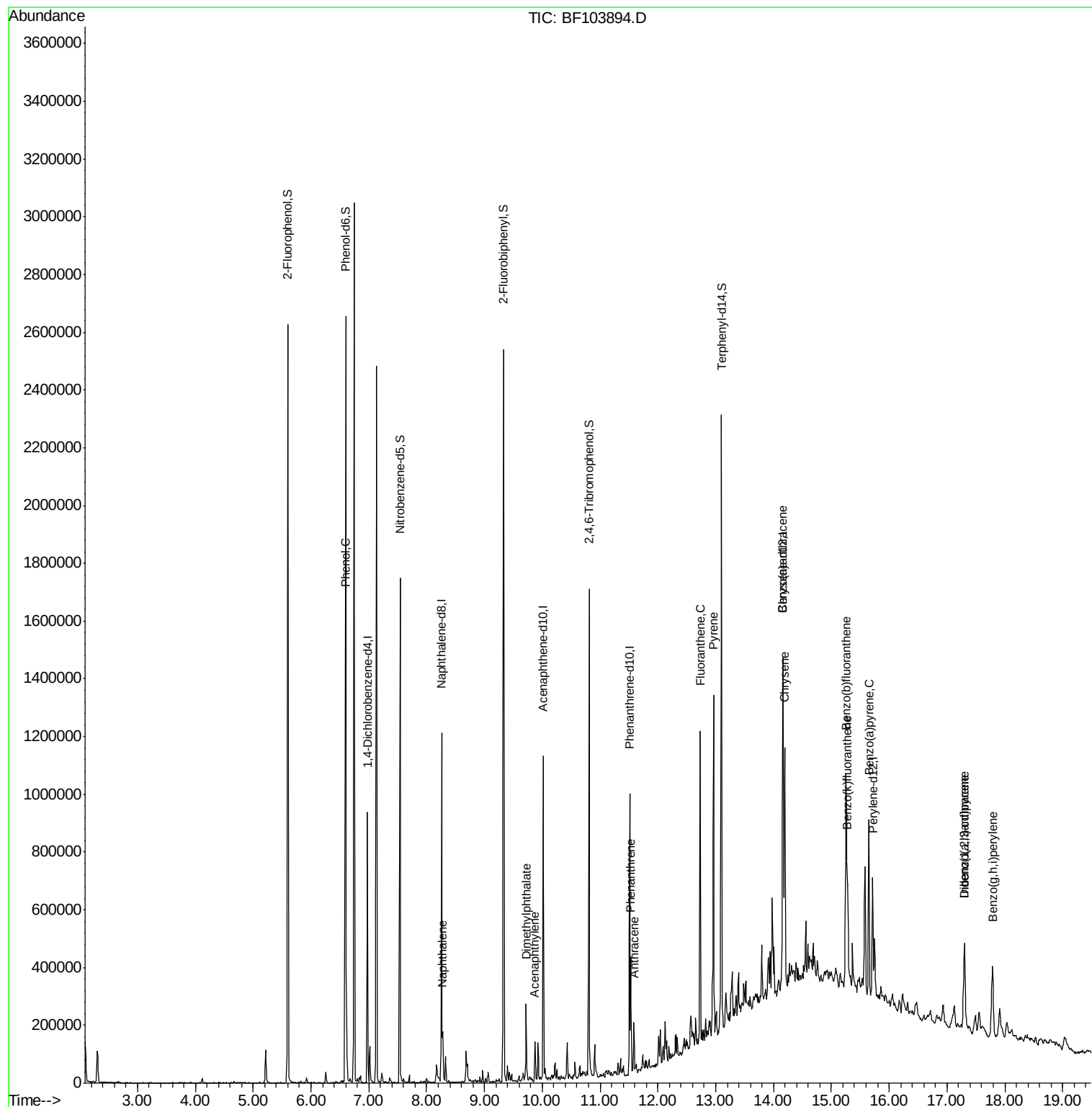
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
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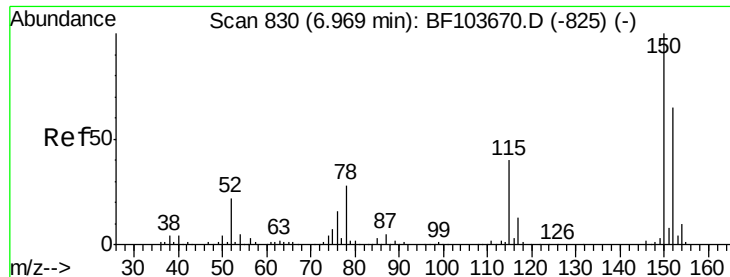
Instrument :
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#1

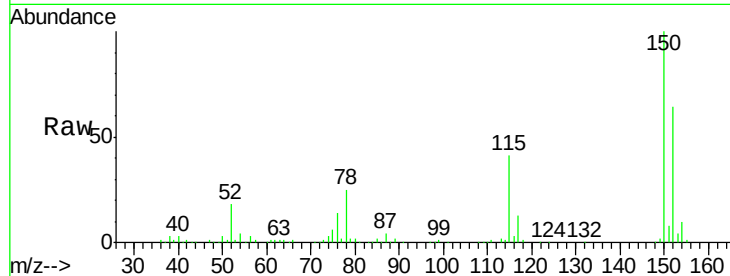
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Instrument :
BNA_F
ClientSampleId :
A2_SB43_NE_8

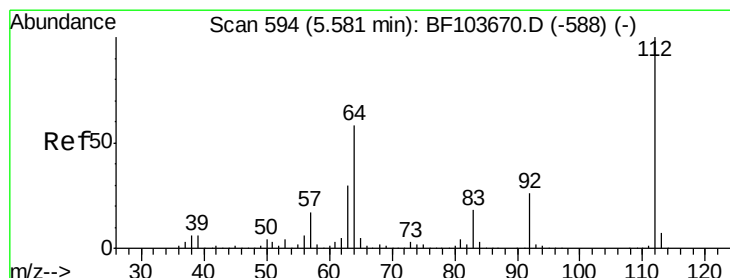
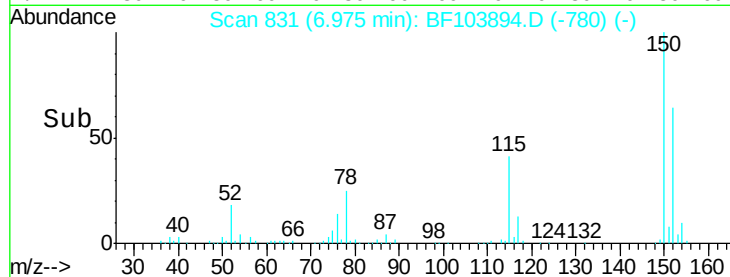
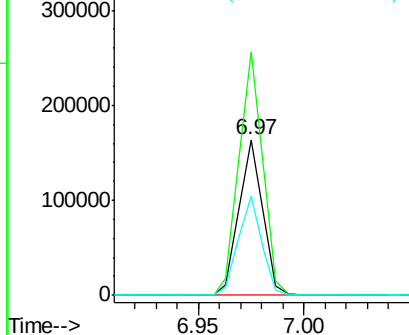
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	63.6	50.1	75.1

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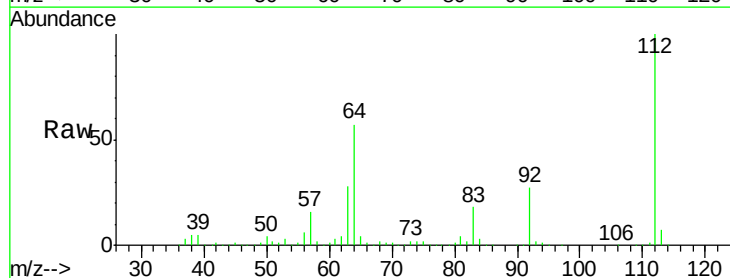
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



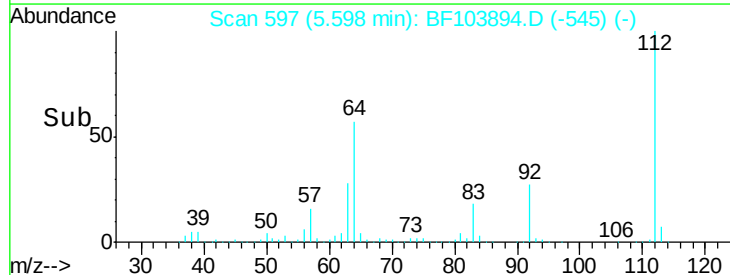
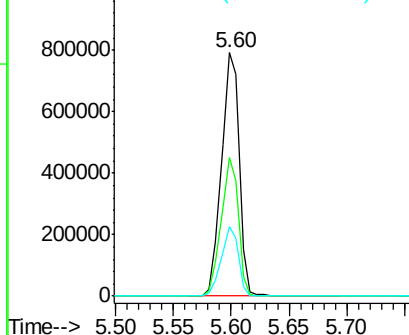
#5

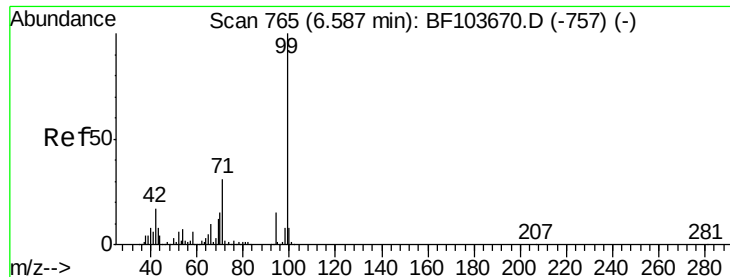
2-Fluorophenol
Concen: 101.501 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	28.4	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: 101.648 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

ClientSampleId :

A2_SB43_NE_8

Tot Ion: 99 Resp: 1034569

Ion Ratio Lower Upper

99 100

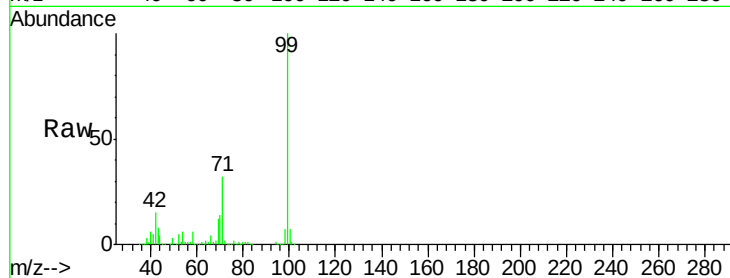
42 15.4 14.5 21.7

71 31.9 25.4 38.0

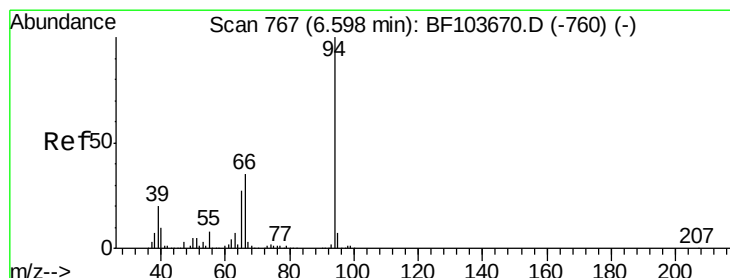
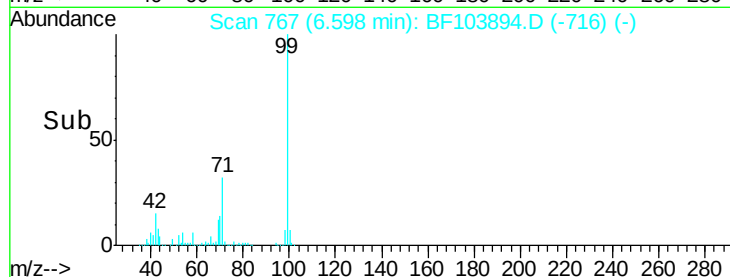
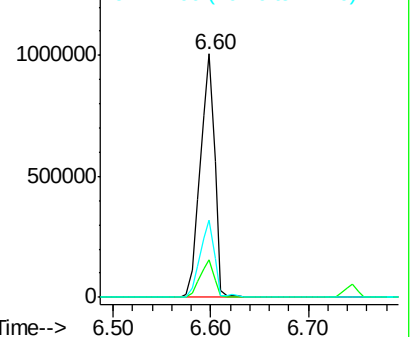
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 6.757 ng

RT: 6.61 min Scan# 769

Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

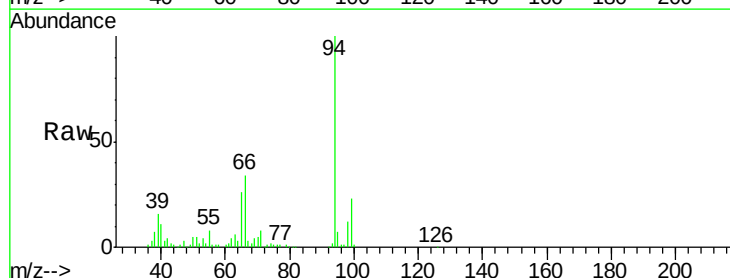
Tgt Ion: 94 Resp: 73082

Ion Ratio Lower Upper

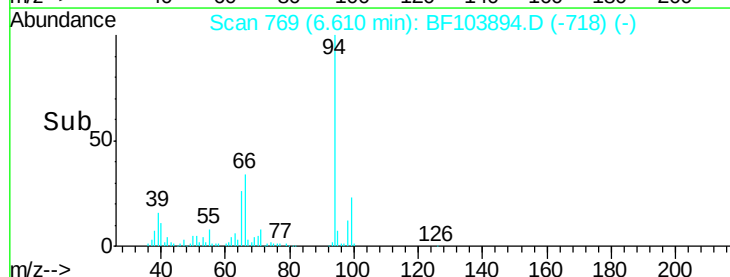
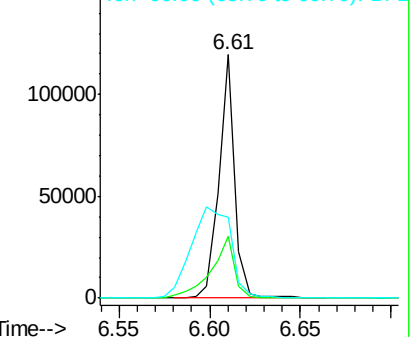
94 100

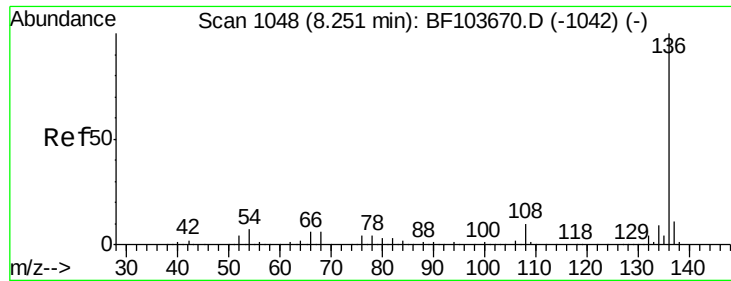
65 25.6 7.9 47.9

66 33.5 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





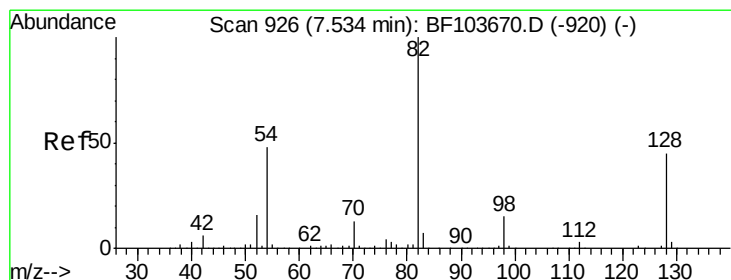
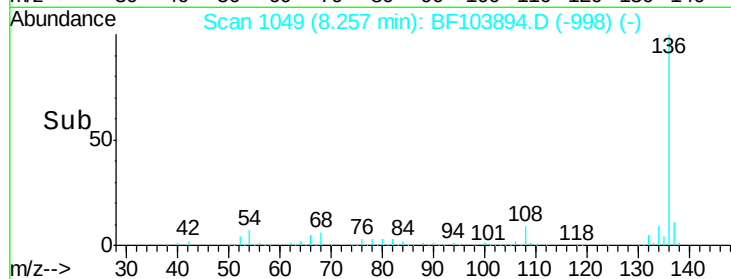
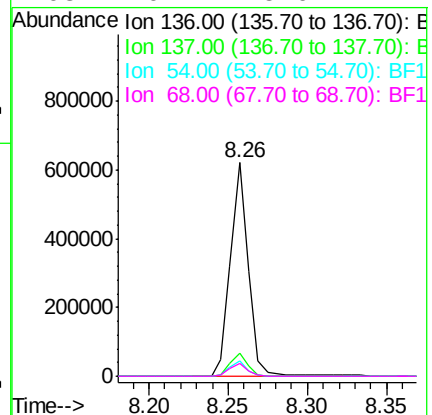
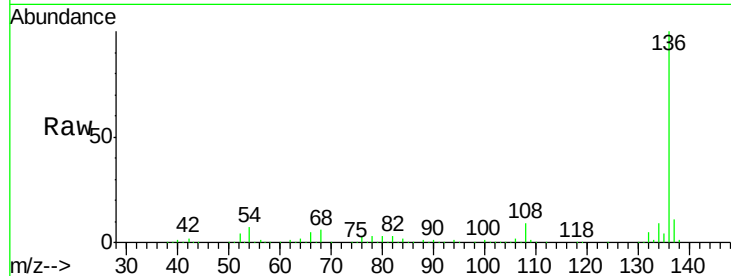
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.00 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Instrument :
BNA_F
ClientSampleId :
A2_SB43_NE_8

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		489835		
137	11.0		8.9	13.3	
54	7.3		6.6	9.8	
68	6.1		5.0	7.4	

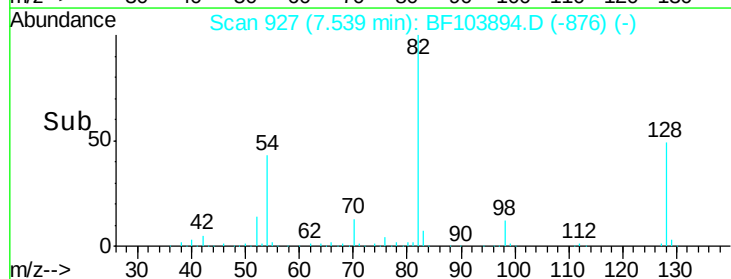
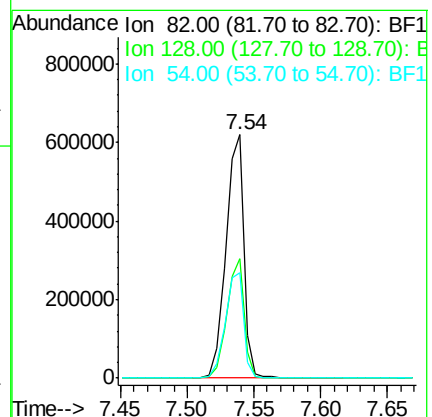
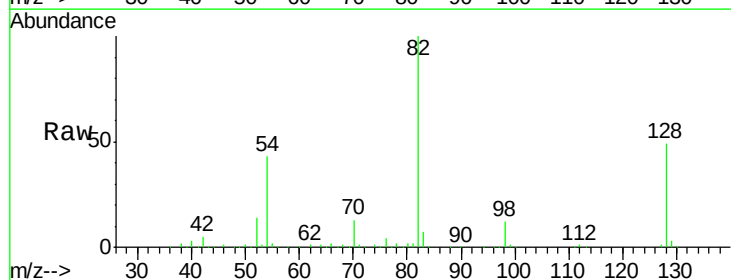
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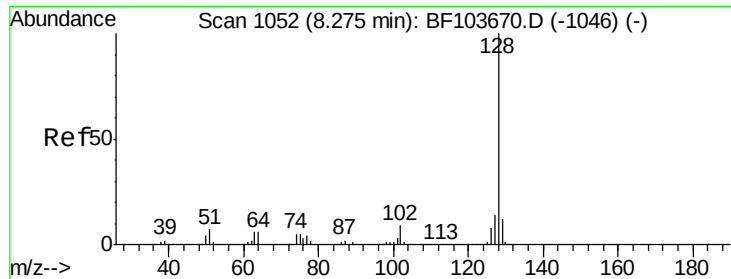
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#23
Nitrobenzene-d5
Concen: 84.306 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		592179		
128	49.1		36.1	54.1	
54	43.1		41.4	62.2	





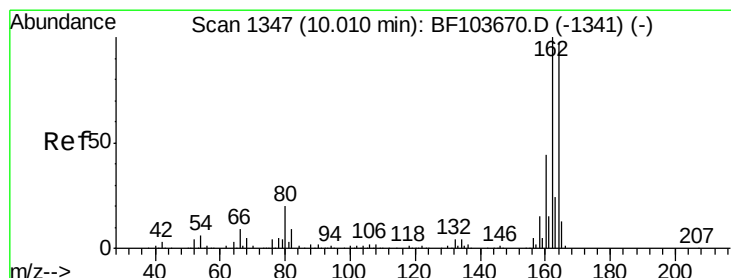
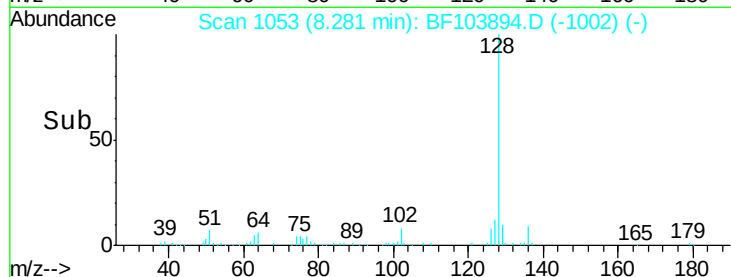
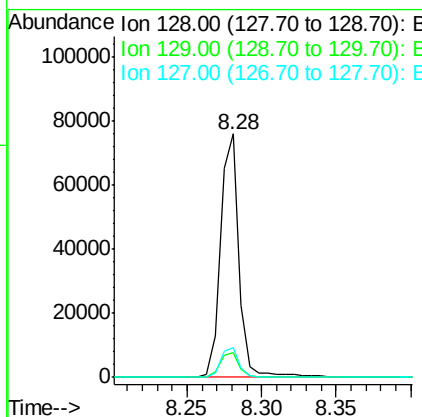
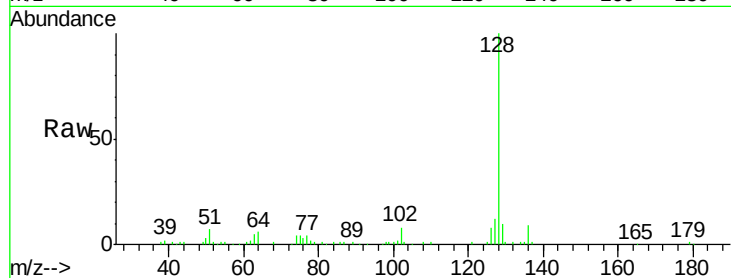
#31
Naphthalene
Concen: 2.660 ng
RT: 8.28 min Scan# 1053
Delta R.T. -0.00 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Instrument :
BNA_F
ClientSampleId :
A2_SB43_NE_8

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.1	8.8	13.2
127	12.5	10.9	16.3

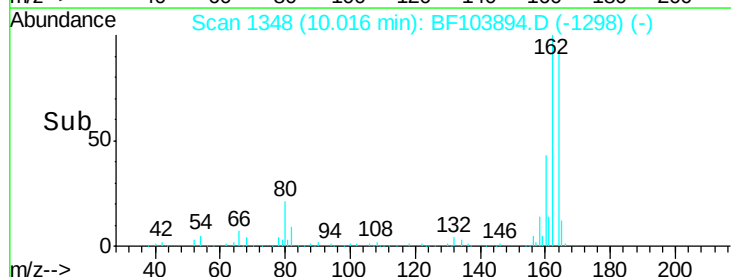
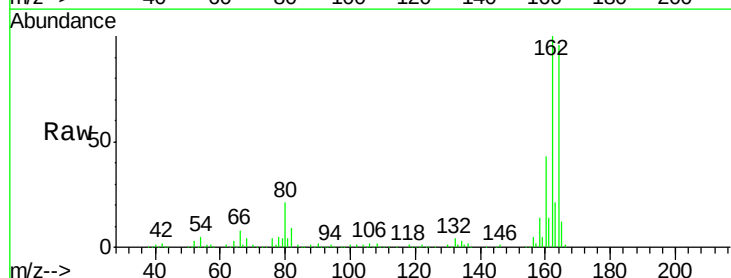
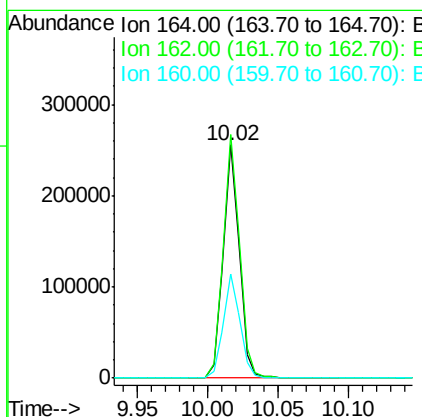
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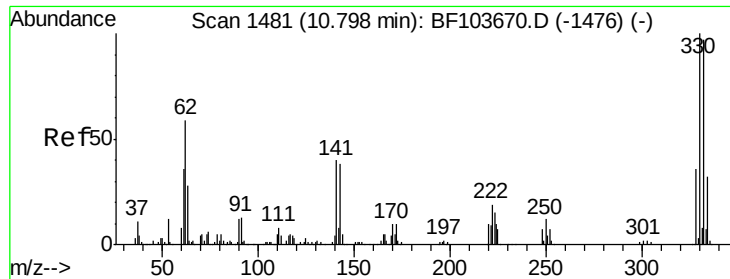
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.5	86.1	129.1
160	44.5	38.3	57.5





#41

2,4,6-Tribromophenol

Concen: 113.834 ng

RT: 10.81 min Scan# 1483

Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

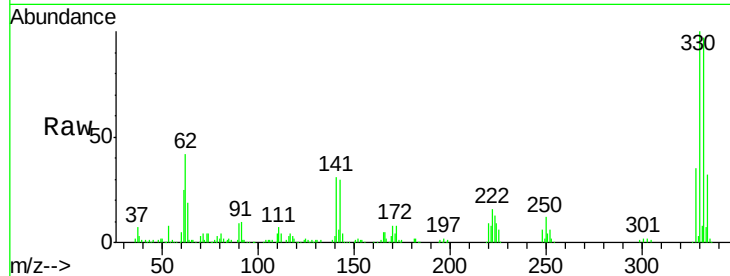
ClientSampleId :

A2_SB43_NE_8

Tot Ion:	330	Resp:	199033
Ion Ratio	Lower	Upper	
330	100		
332	97.8	77.0	115.6
141	33.4	29.9	44.9

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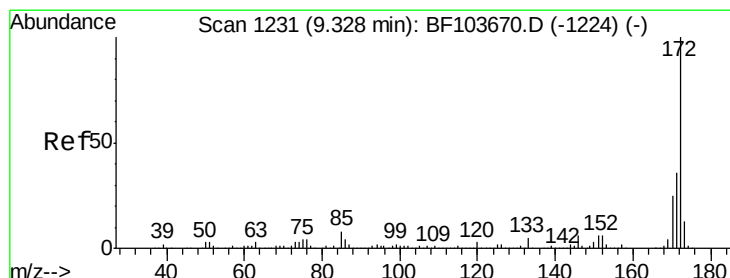
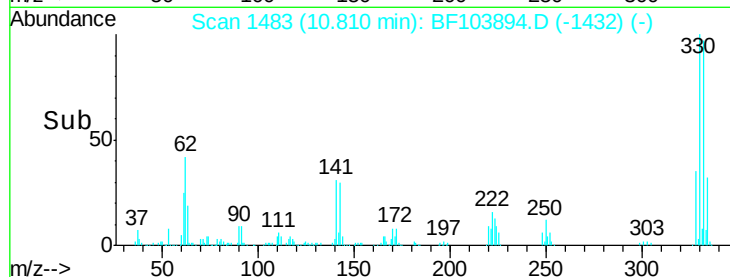
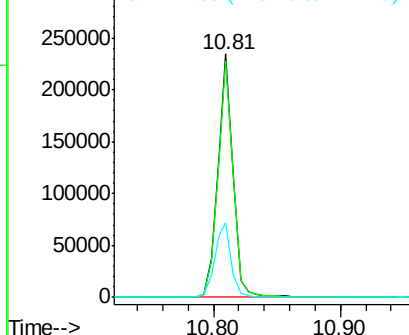


Abundance

Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 63.865 ng

RT: 9.33 min Scan# 1231

Delta R.T. -0.01 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

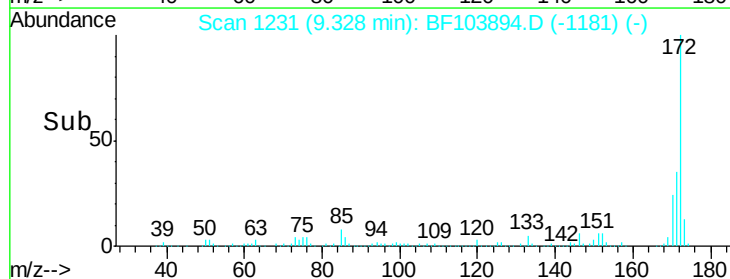
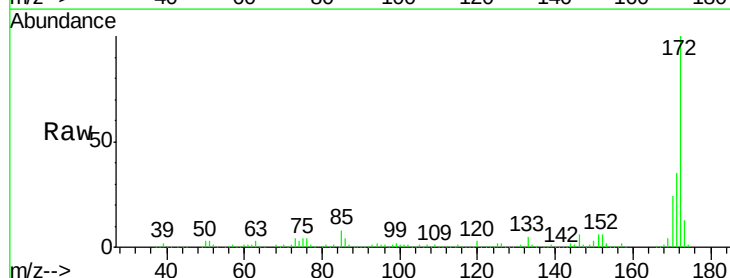
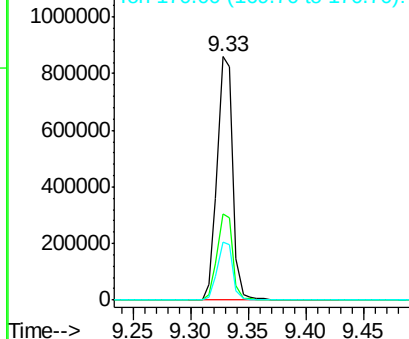
Tgt Ion:	172	Resp:	814161
Ion Ratio	Lower	Upper	
172	100		
171	35.4	29.7	44.5
170	23.8	19.6	29.4

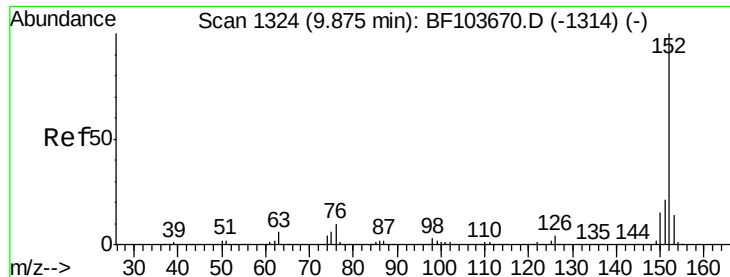
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 2.882 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

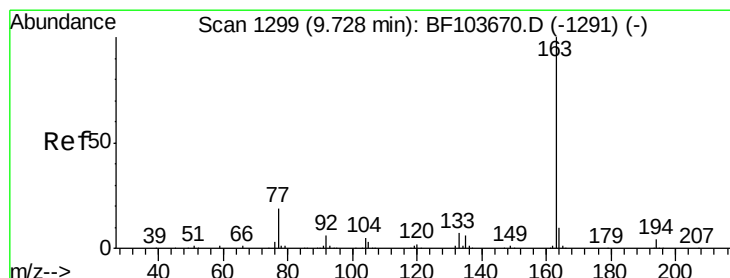
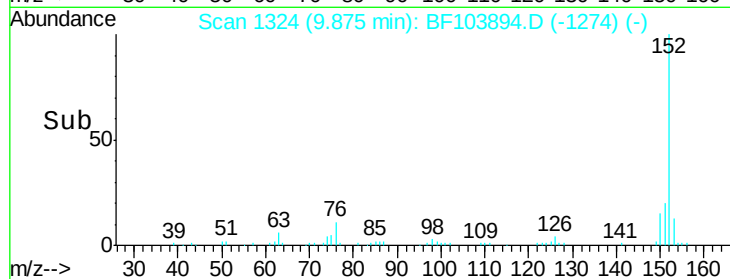
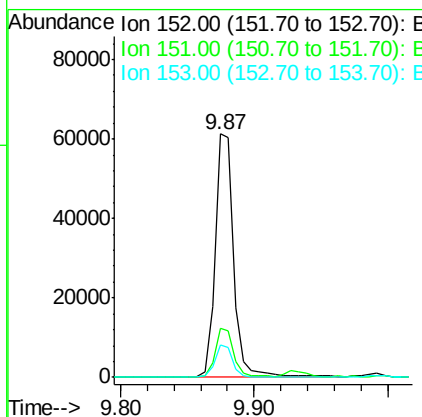
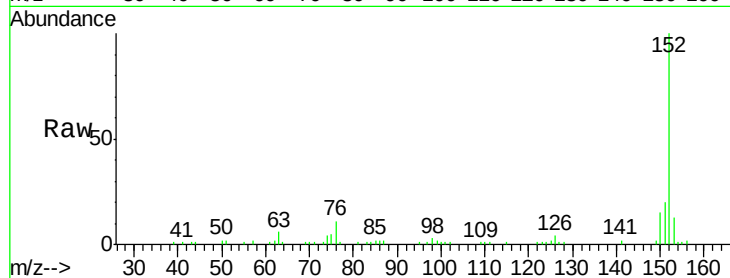
ClientSampleId :

A2_SB43_NE_8

Tot Ion:	152	Resp:	60190
Ion Ratio	Lower	Upper	
152	100		
151	20.4	16.3	24.5
153	13.1	10.7	16.1

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#49

Dimethylphthalate

Concen: 6.819 ng

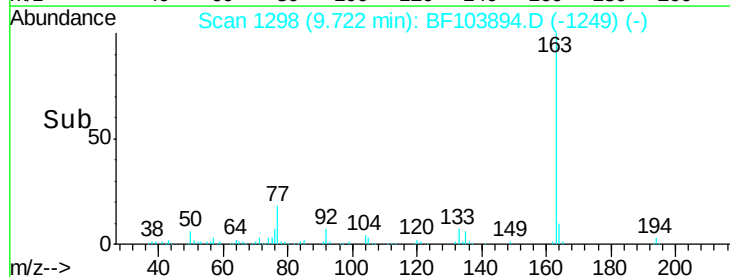
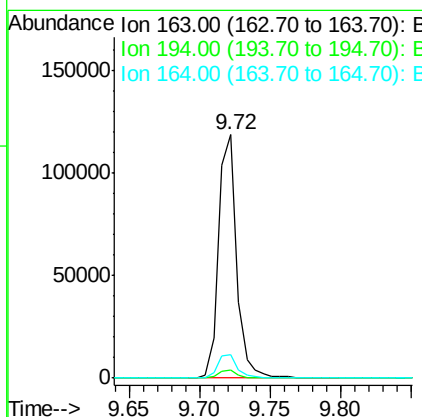
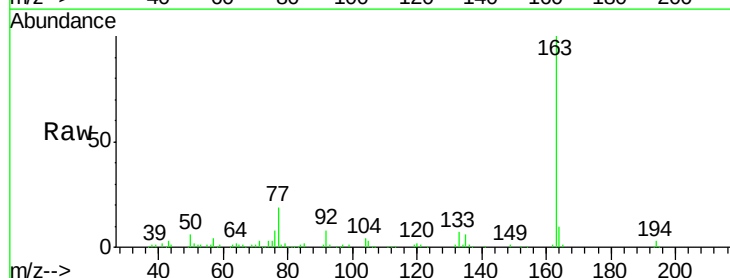
RT: 9.72 min Scan# 1298

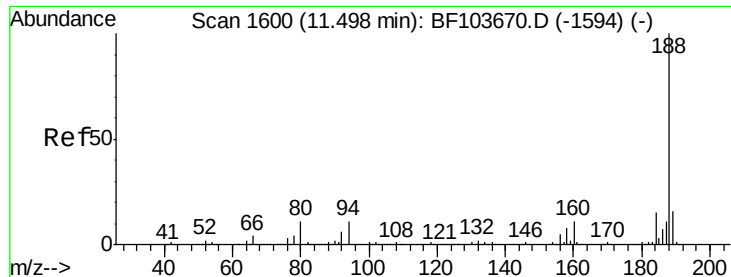
Delta R.T. -0.01 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Tgt Ion:	163	Resp:	105789
Ion Ratio	Lower	Upper	
163	100		
194	3.4	2.7	4.1
164	9.8	8.2	12.2





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1602

Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

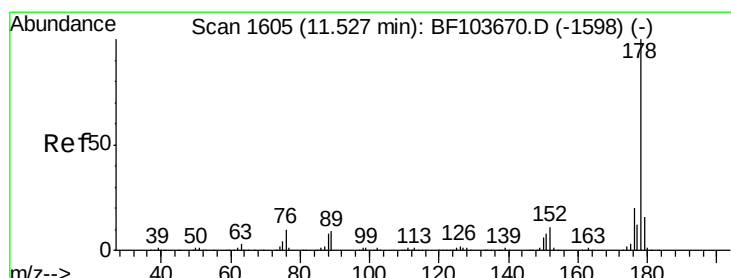
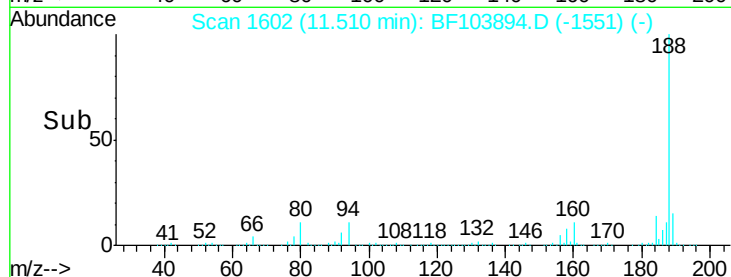
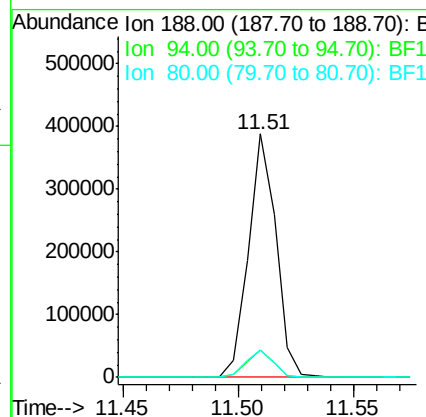
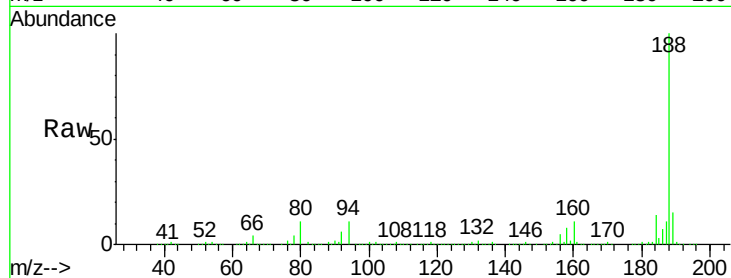
ClientSampleId :

A2_SB43_NE_8

Tot Ion:	188	Resp:	324099
Ion Ratio	Lower	Upper	
188	100		
94	11.3	8.5	12.7
80	11.4	9.2	13.8

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#70

Phenanthrene

Concen: 7.292 ng

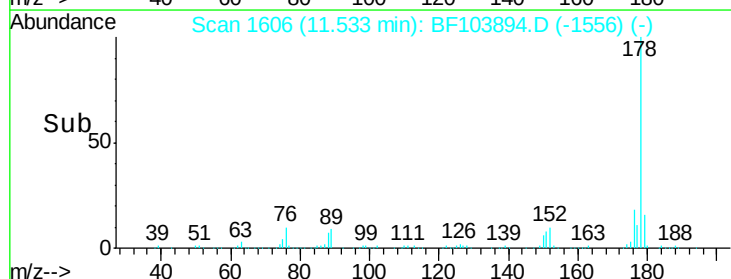
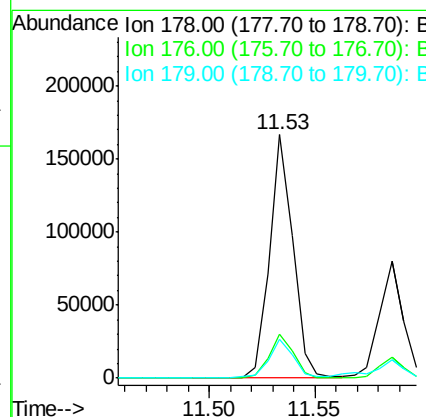
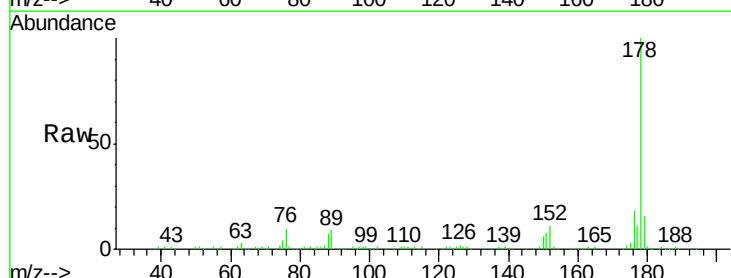
RT: 11.53 min Scan# 1606

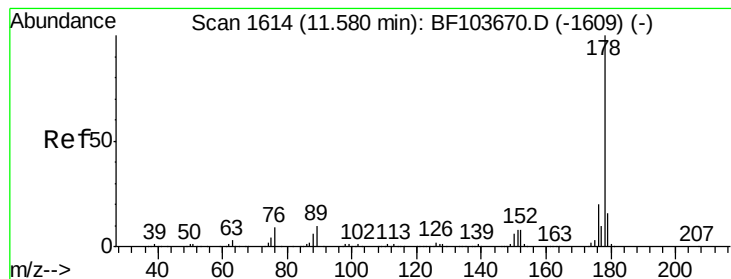
Delta R.T. -0.01 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Tgt Ion:	178	Resp:	129288
Ion Ratio	Lower	Upper	
178	100		
176	17.9	15.8	23.8
179	15.8	13.0	19.6





#71

Anthracene

Concen: 3.397 ng

RT: 11.59 min Scan# 1615

Delta R.T. -0.01 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

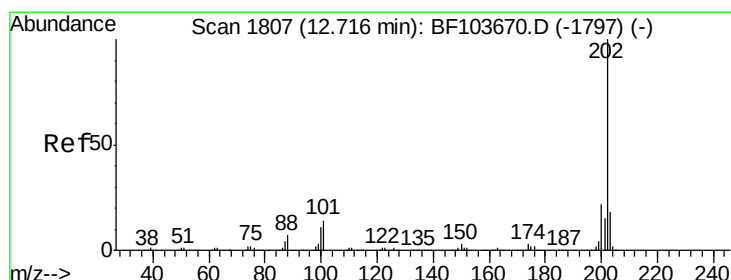
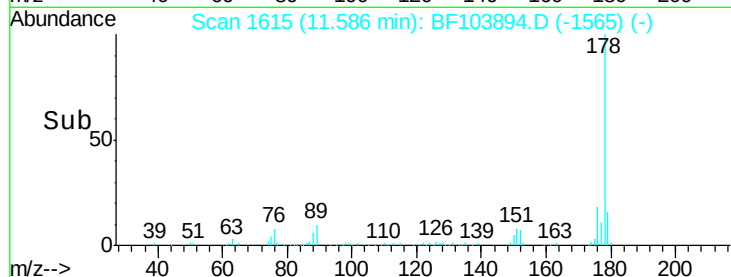
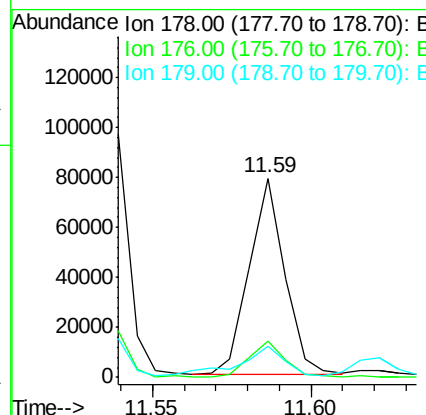
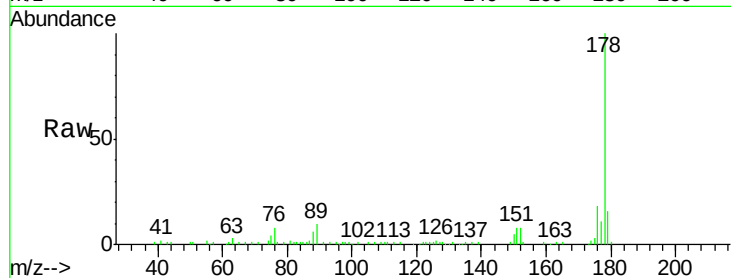
ClientSampleId :

A2_SB43_NE_8

Tot Ion:	178	Resp:	61165
Ion Ratio	Lower	Upper	
178	100		
176	18.3	15.4	23.2
179	15.8	12.6	19.0

Manual Integrations
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#74

Fluoranthene

Concen: 24.123 ng

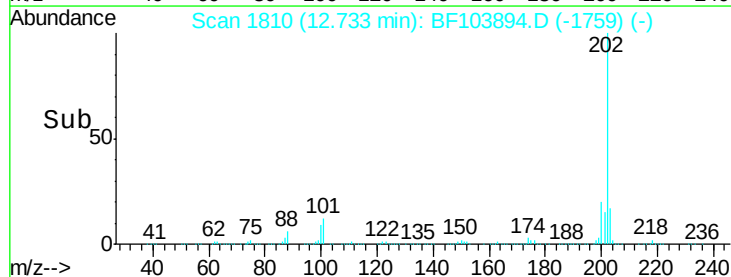
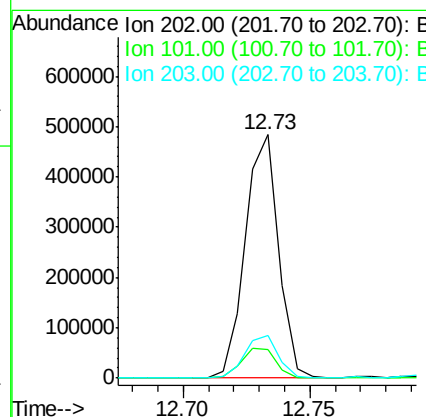
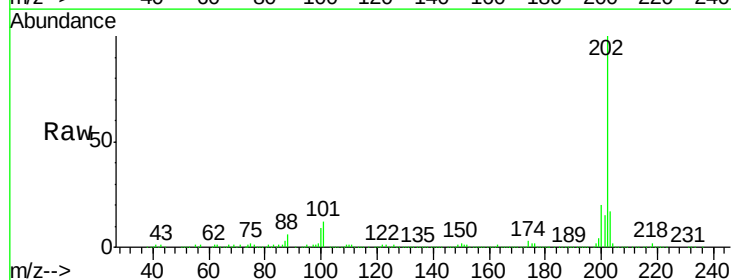
RT: 12.73 min Scan# 1810

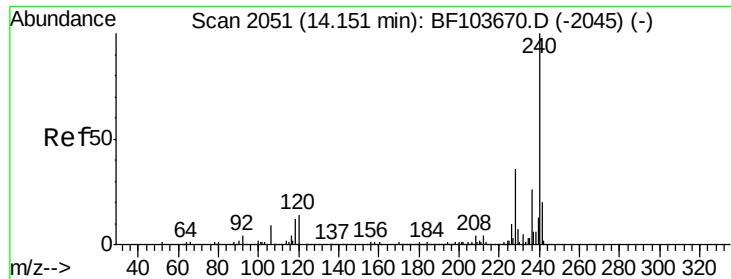
Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Tgt Ion:	202	Resp:	440601
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	34.1
203	17.4	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2054

Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

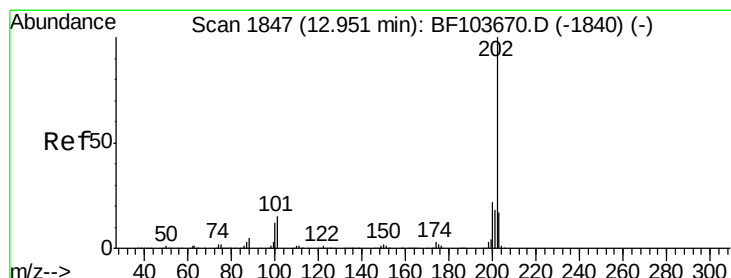
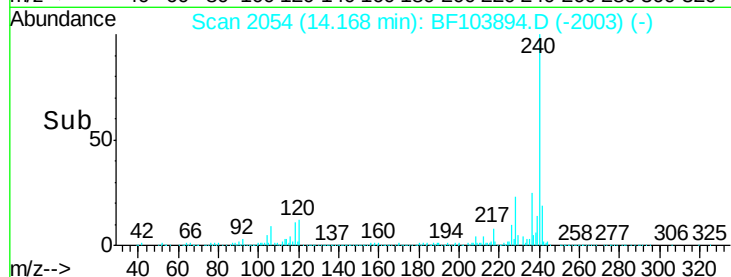
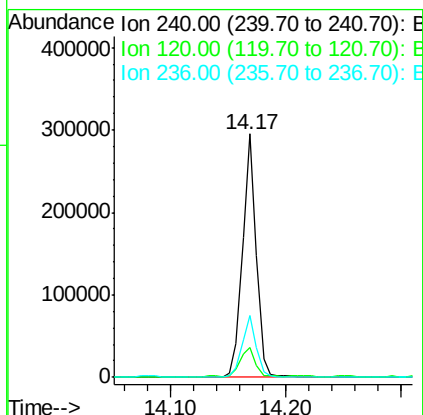
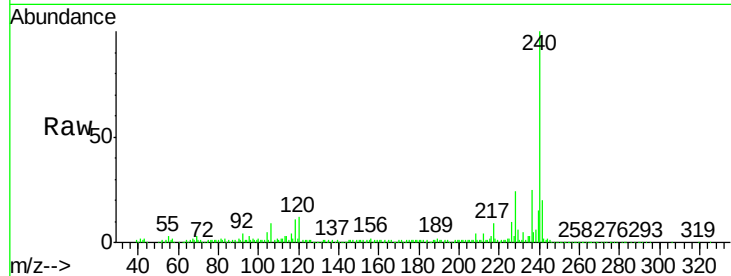
ClientSampled :

A2_SB43_NE_8

Tot Ion:	240	Resp:	243493
Ion Ratio	Lower	Upper	
240	100		
120	12.2	9.5	14.3
236	25.3	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 24.816 ng

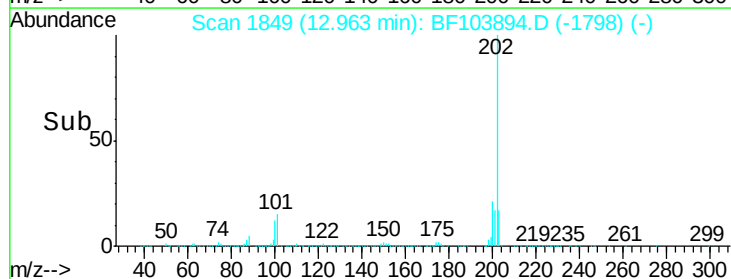
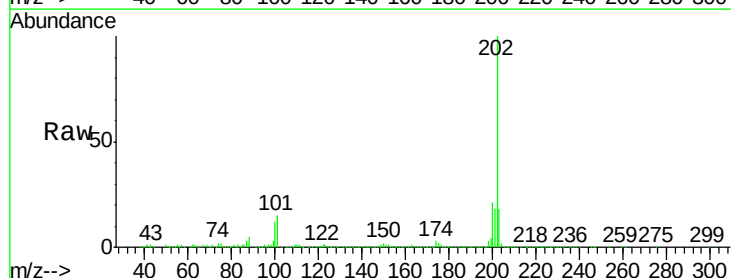
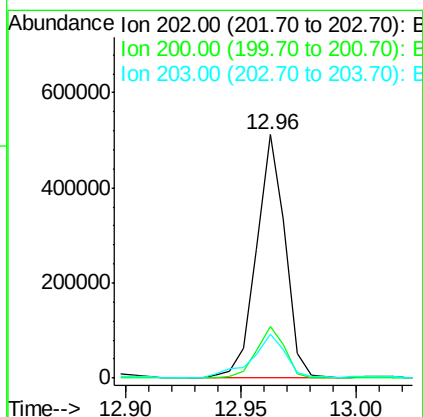
RT: 12.96 min Scan# 1849

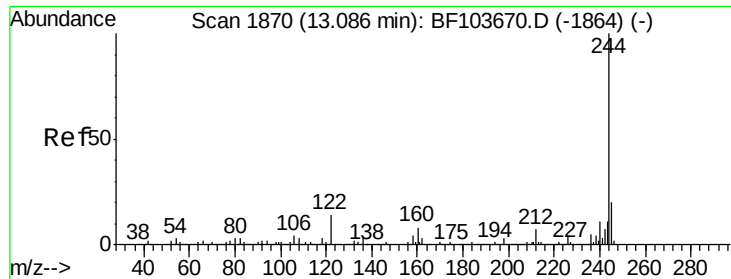
Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Tgt Ion:	202	Resp:	443754
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 63.159 ng

RT: 13.10 min Scan# 1872

Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

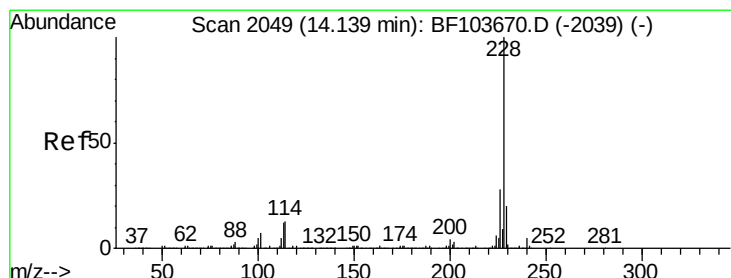
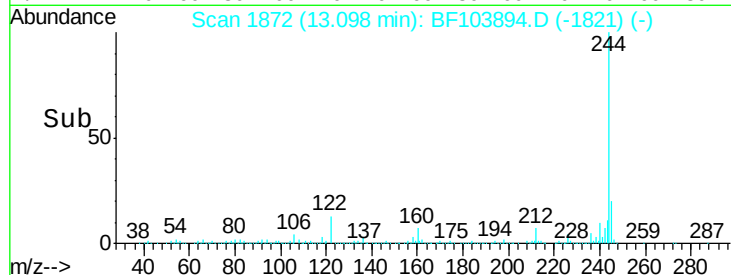
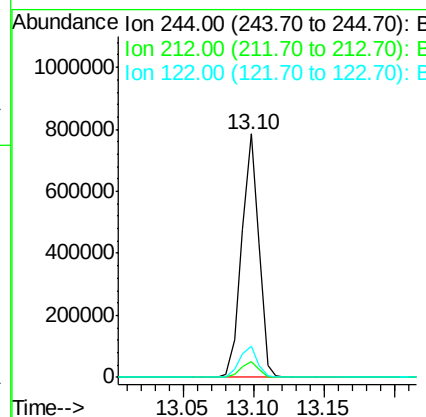
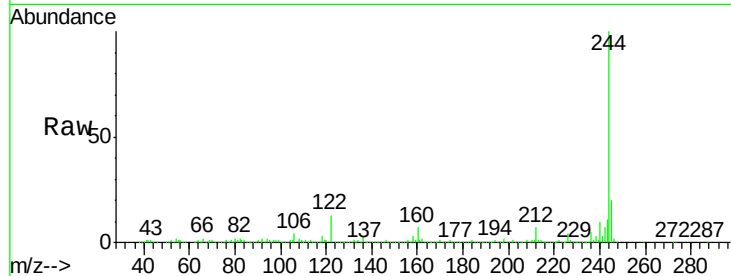
ClientSampleId :

A2_SB43_NE_8

Tot Ion:	244	Resp:	662553
Ion Ratio		Lower	Upper
244	100		
212	6.5	5.4	8.0
122	13.0	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 23.341 ng

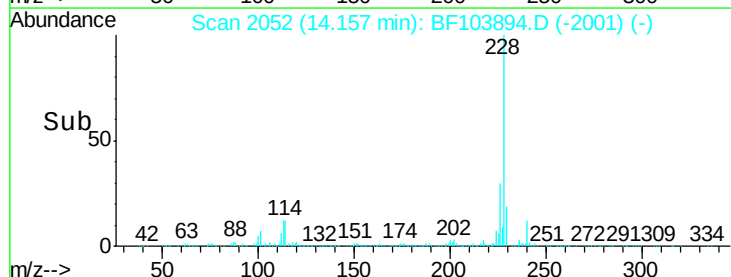
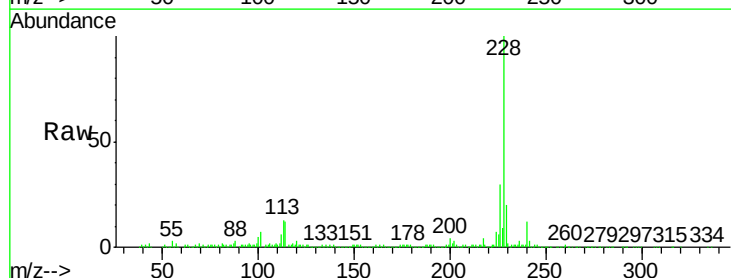
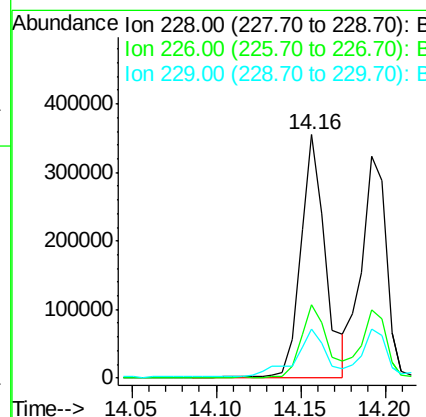
RT: 14.16 min Scan# 2052

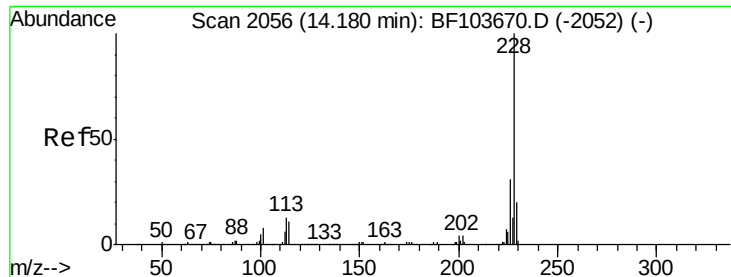
Delta R.T. -0.00 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Tgt Ion:	228	Resp:	359759
Ion Ratio		Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.3	15.8	23.6





#82

Chrysene

Concen: 22.519 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Instrument :

BNA_F

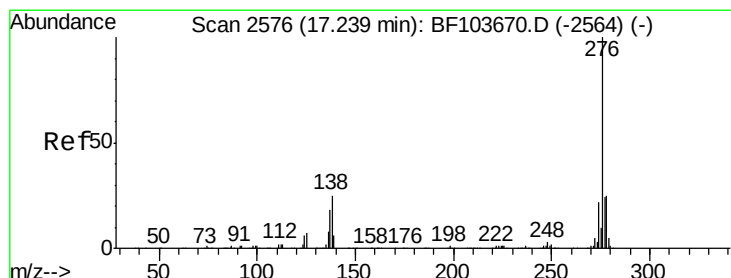
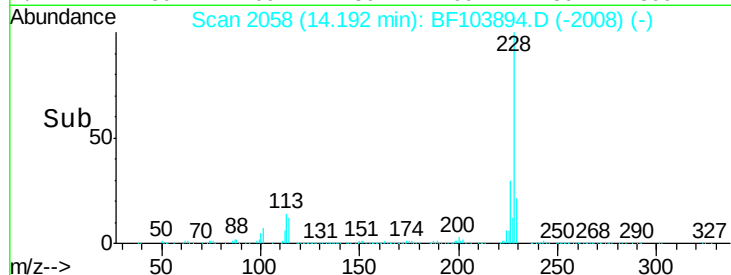
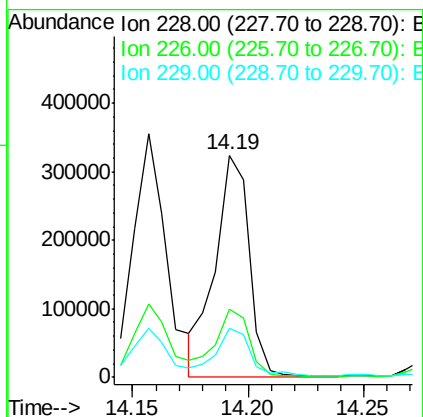
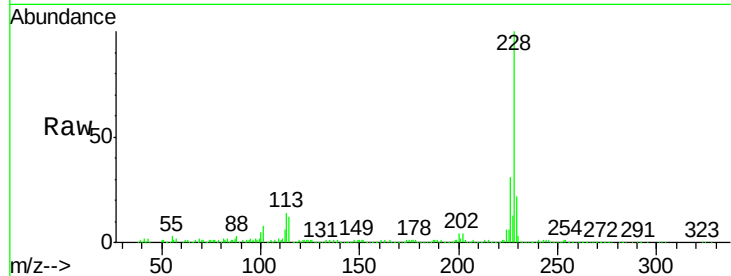
ClientSampleId :

A2_SB43_NE_8

Tot Ion:	228	Resp:	330868
Ion Ratio	Lower	Upper	
228	100		
226	30.5	25.0	37.6
229	22.2	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 16.665 ng m

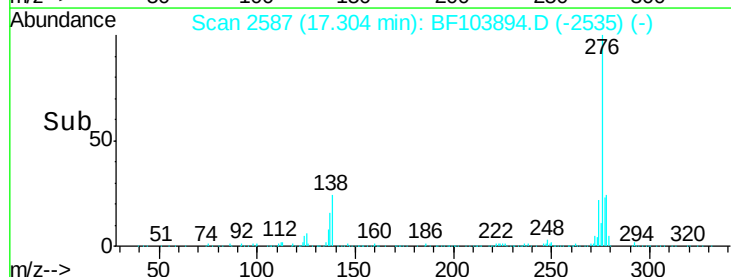
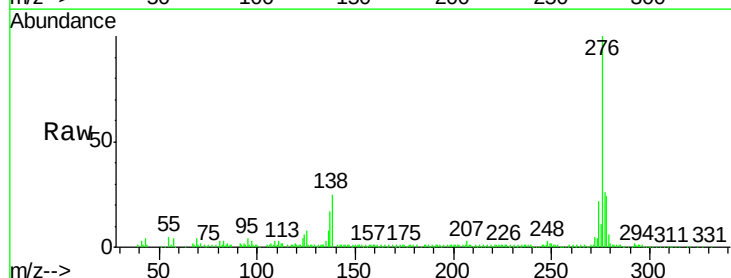
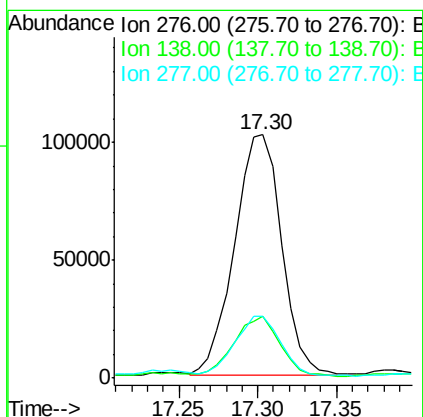
RT: 17.30 min Scan# 2587

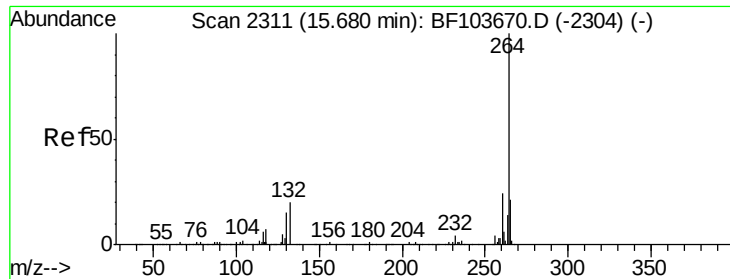
Delta R.T. 0.01 min

Lab File: BF103894.D

Acq: 23 Mar 2018 22:18

Tgt Ion:	276	Resp:	213828
Ion Ratio	Lower	Upper	
276	100		
138	5.1	25.0	37.6#
277	4.7	20.1	30.1#





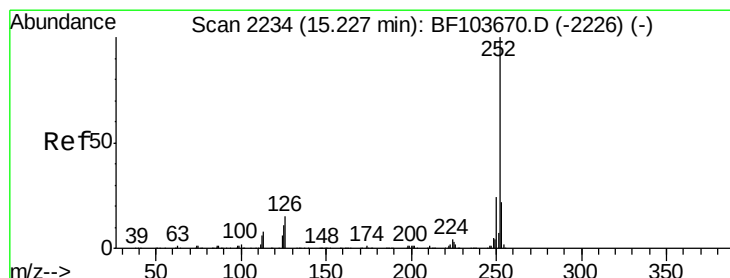
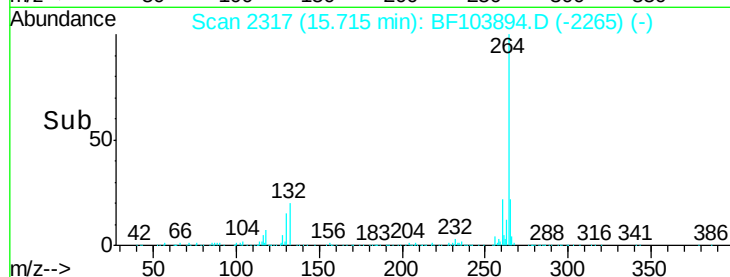
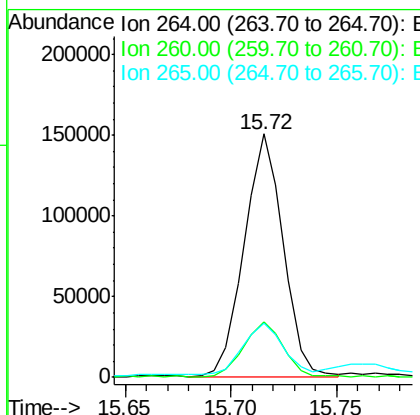
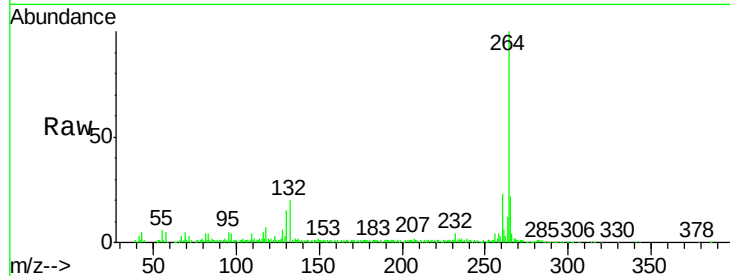
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.72 min Scan# 2317
Delta R.T. 0.01 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Instrument :
BNA_F
ClientSampleId :
A2_SB43_NE_8

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.4	17.5	26.3

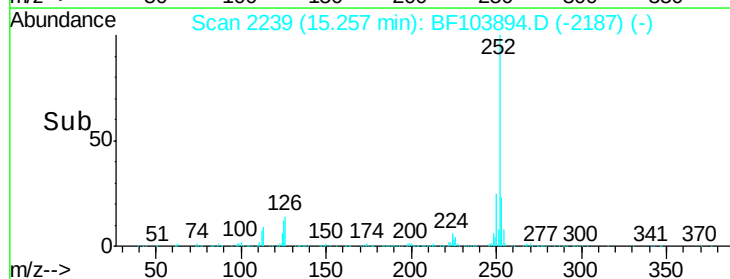
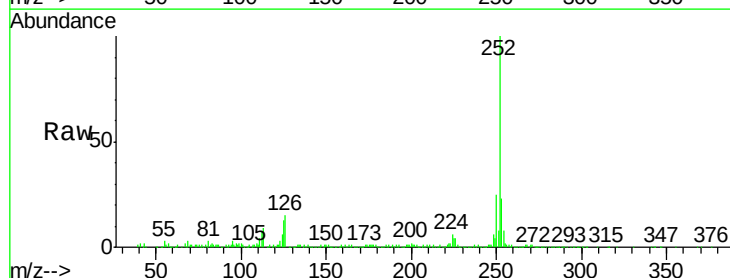
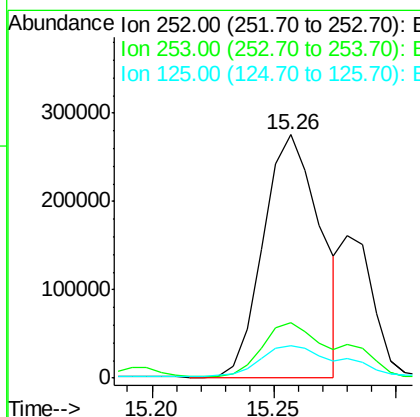
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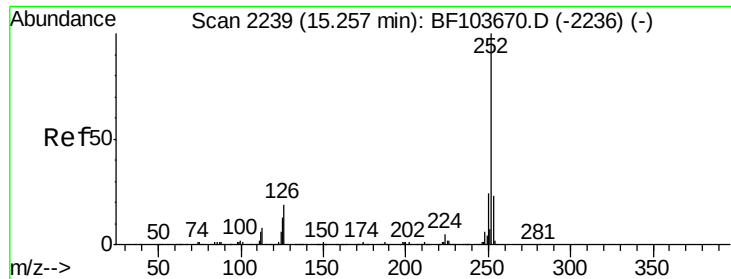
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#87
Benzo(b)fluoranthene
Concen: 37.130 ng m
RT: 15.26 min Scan# 2239
Delta R.T. 0.01 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.2	9.0	13.6





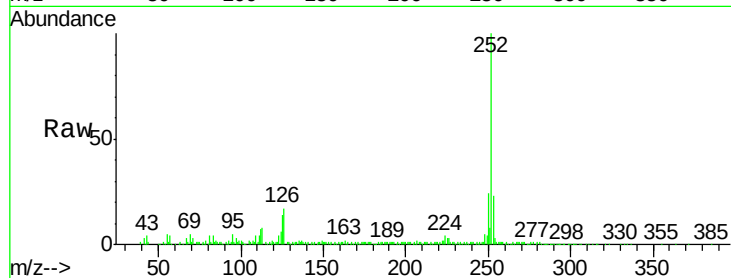
#88
Benzo(k)fluoranthene
Concen: 12.210 ng m
RT: 15.28 min Scan# 2243
Delta R.T. -0.00 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Instrument :
BNA_F
ClientSampleId :
A2_SB43_NE_8

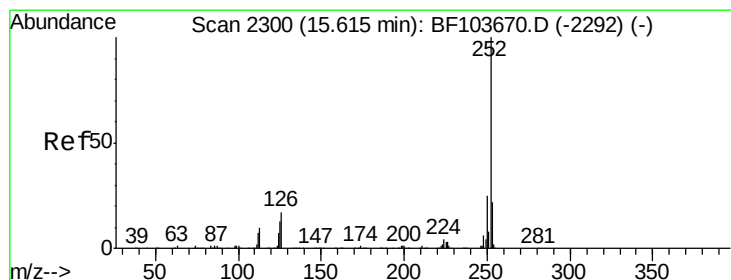
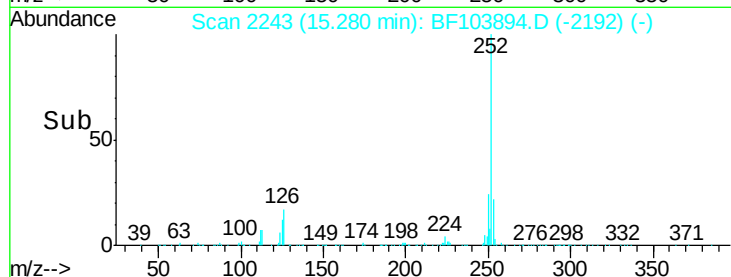
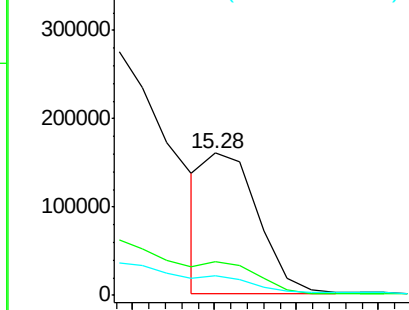
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	13.6	10.2	15.2

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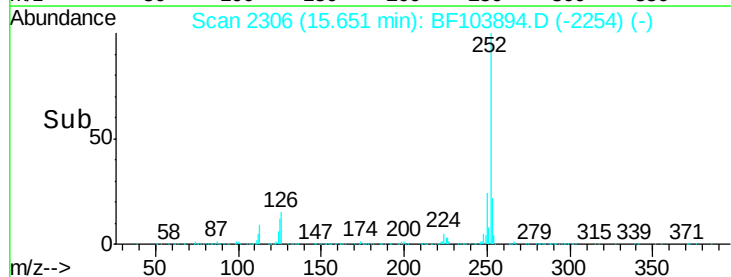
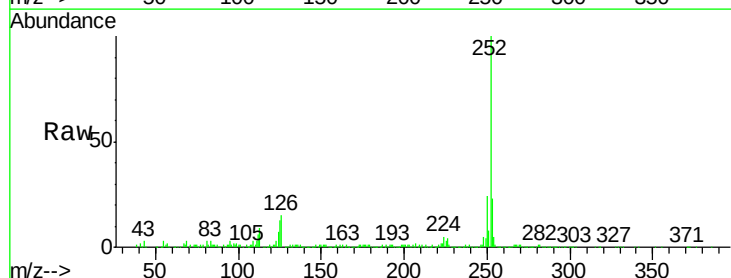
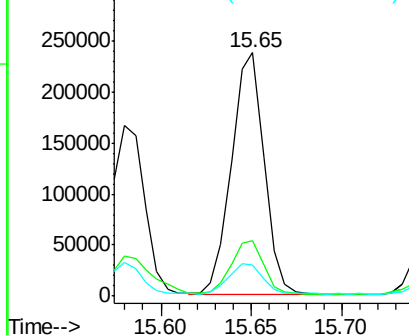
Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

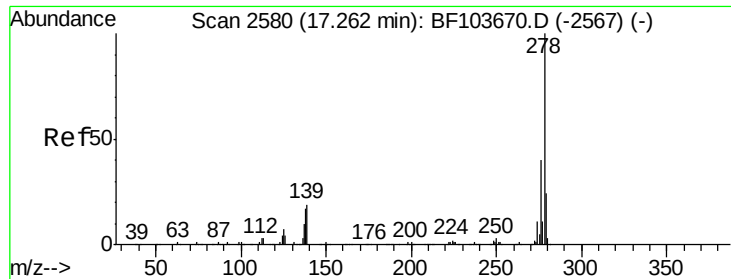


#89
Benzo(a)pyrene
Concen: 27.206 ng
RT: 15.65 min Scan# 2306
Delta R.T. 0.01 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	12.7	9.8	14.6

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





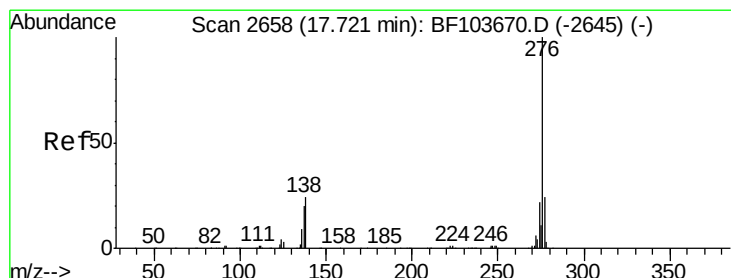
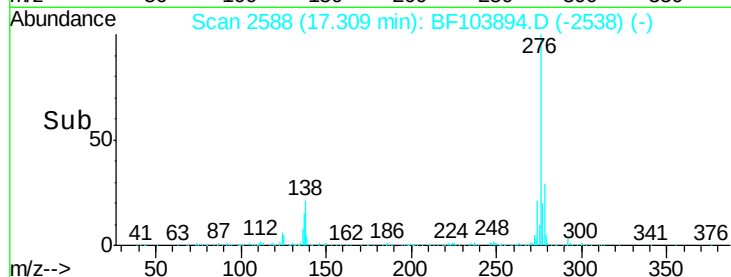
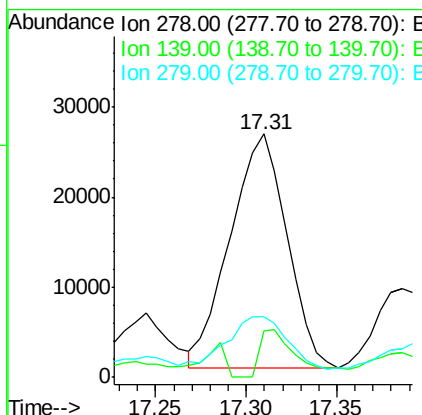
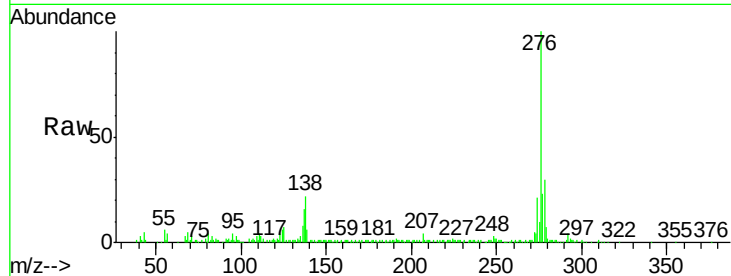
#90
Dibenzo(a,h)anthracene
Concen: 5.951 ng
RT: 17.31 min Scan# 2588
Delta R.T. -0.01 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Instrument :
BNA_F
ClientSampleId :
A2_SB43_NE_8

Tot Ion:278	Resp:	56609
Ion Ratio	Lower	Upper
278	100	
139	18.9	15.9 23.9
279	24.6	19.0 28.4

Manual Integrations
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3/26/2018 4:33:27 PM



#91
Benzo(g,h,i)perylene
Concen: 22.937 ng
RT: 17.79 min Scan# 2669
Delta R.T. 0.01 min
Lab File: BF103894.D
Acq: 23 Mar 2018 22:18

Tgt Ion:276	Resp:	212269
Ion Ratio	Lower	Upper
276	100	
277	23.1	17.9 26.9
138	24.6	21.8 32.8

