

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103774.D
 Acq On : 19 Mar 2018 23:38
 Operator : JU/SJ
 Sample : J1972-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-2 COMP

Manual Integrations
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Quant Time: Mar 20 02:20:07 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	143346	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	564980	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	244398	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	409235	20.00	ng	0.00
75) Chrysene-d12	14.16	240	310908	20.00	ng	0.00
86) Perylene-d12	15.70	264	269252	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1165522	123.67	ng	0.02
7) Phenol-d6	6.60	99	1424855	123.58	ng	0.01
23) Nitrobenzene-d5	7.53	82	868684	107.22	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	308053	146.60	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1326760	86.60	ng	0.00
78) Terphenyl-d14	13.09	244	1099443	82.08	ng	0.00
Target Compounds						
10) Phenol	6.61	94	35643	2.909	ng	93
49) Dimethylphthalate	9.72	163	194067	10.408	ng	99
56) 2,4-Dinitrotoluene	10.19	165	2640	6.717	ng	# 92
70) Phenanthrene	11.53	178	112796	5.039	ng	98
74) Fluoranthene	12.72	202	199872	8.666	ng	98
77) Pyrene	12.95	202	172509	7.555	ng	98
80) Benzo(a)anthracene	14.14	228	91844	4.667	ng	99
82) Chrysene	14.18	228	84990	4.530	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	46129	2.816	ng	# 91
87) Benzo(b)fluoranthene	15.24	252	113332m	6.662	ng	
89) Benzo(a)pyrene	15.63	252	74742	4.844	ng	97
91) Benzo(a,h,i)perylene	17.74	276	45319	3.487	ng	# 93

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

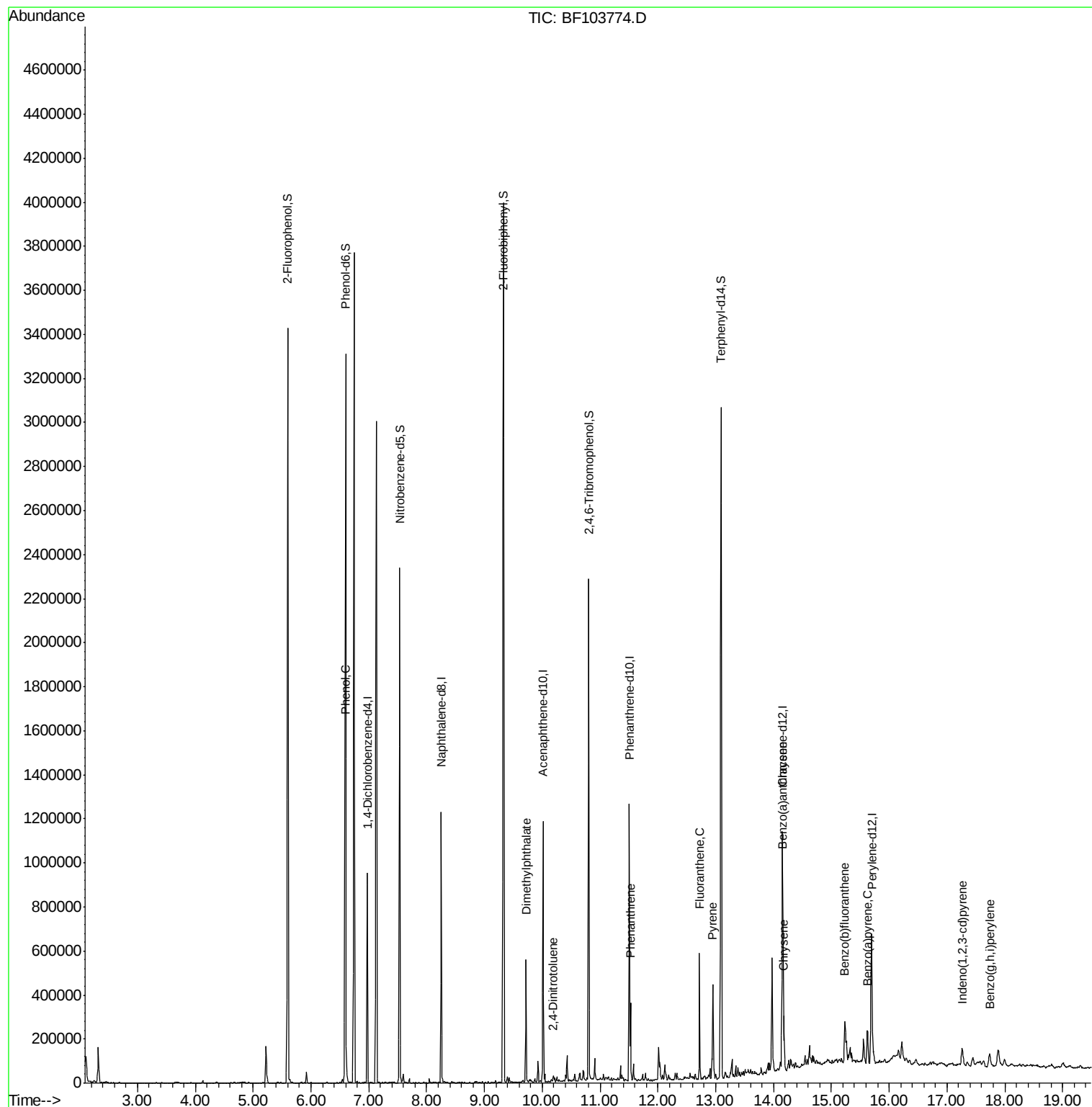
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
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Sample : J1972-04
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ALS Vial : 17 Sample Multiplier: 1

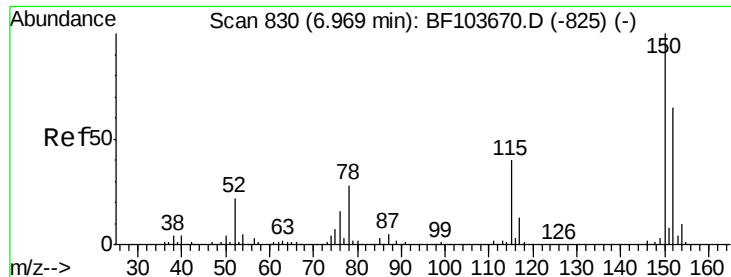
Instrument :
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#1

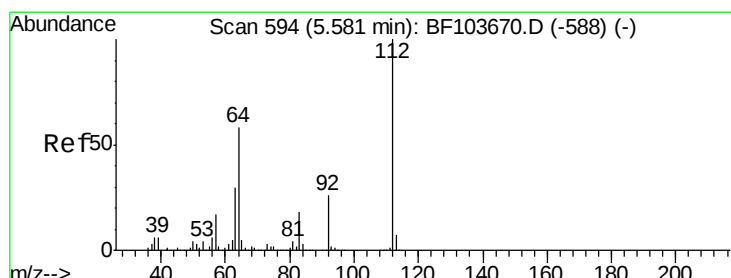
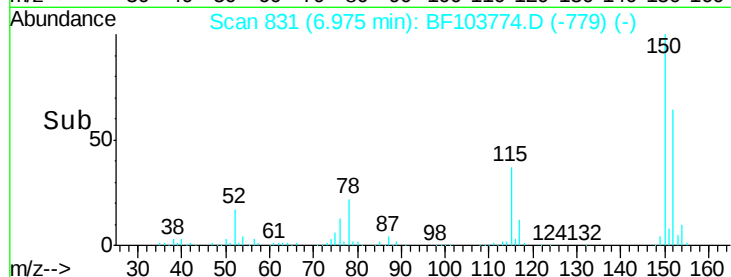
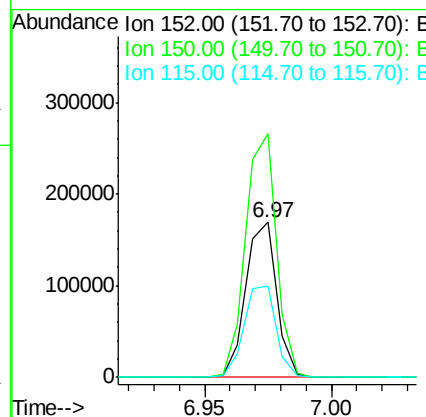
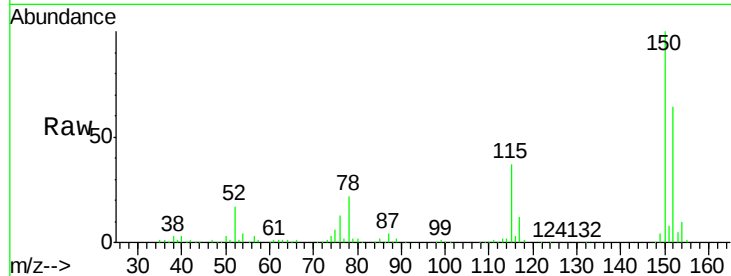
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Instrument :
BNA_F
ClientSampleId :
S-2 COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.1	124.6	186.8
115	58.7	50.1	75.1

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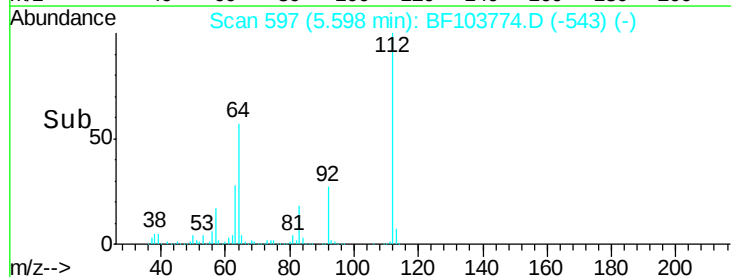
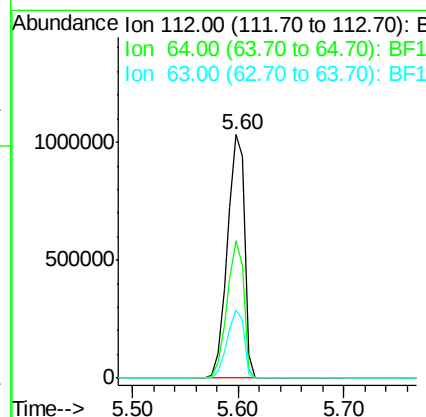
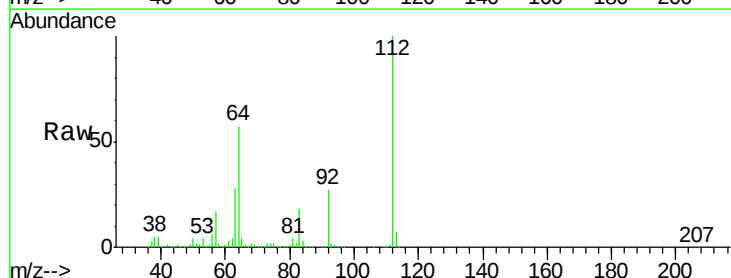
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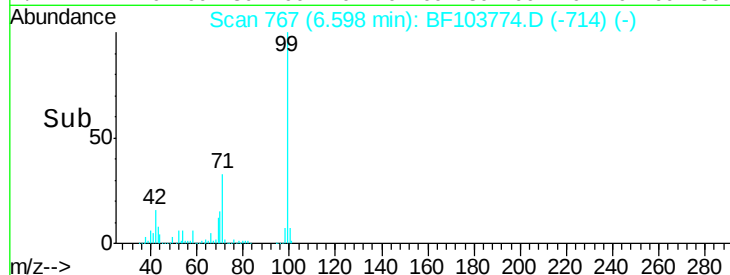
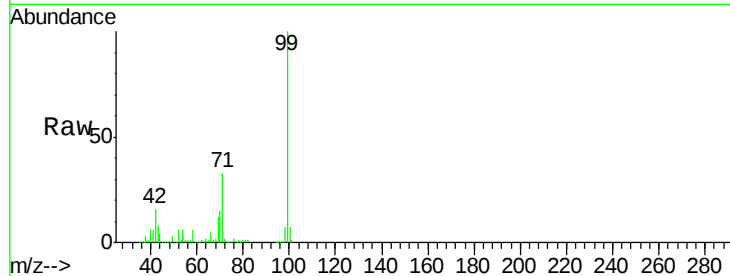


#5

2-Fluorophenol
Concen: 123.669 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.02 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.1	23.7	35.5





#7

Phenol-d6

Concen: 123.576 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

Tot Ion: 99 Resp: 1424855

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

71 32.6 25.4 38.0

Instrument :

BNA_F

ClientSampleId :

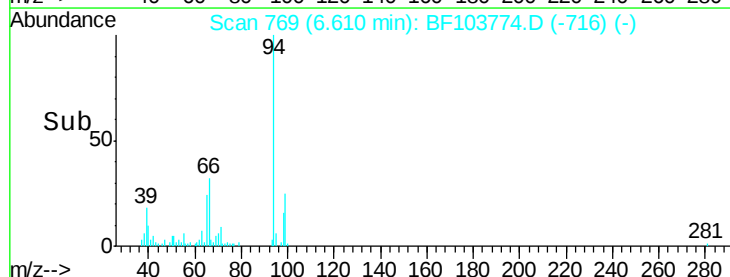
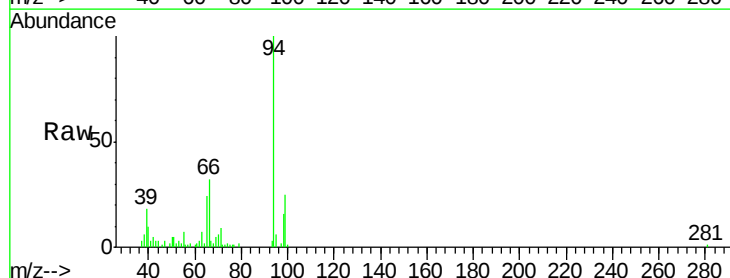
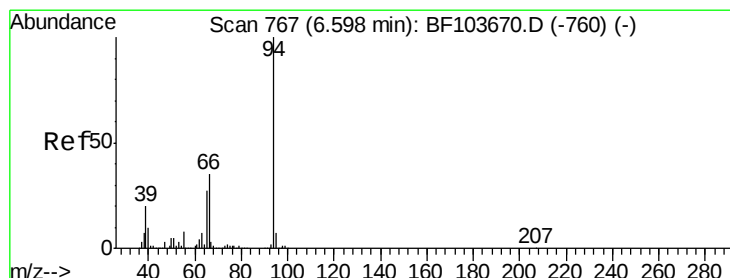
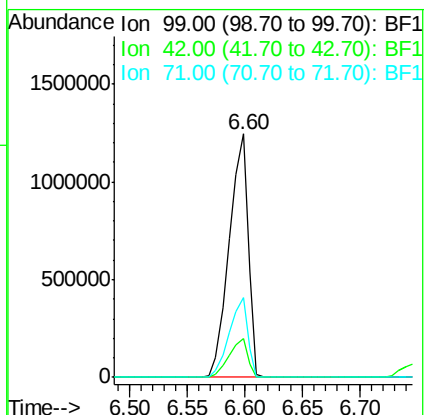
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#10

Phenol

Concen: 2.909 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

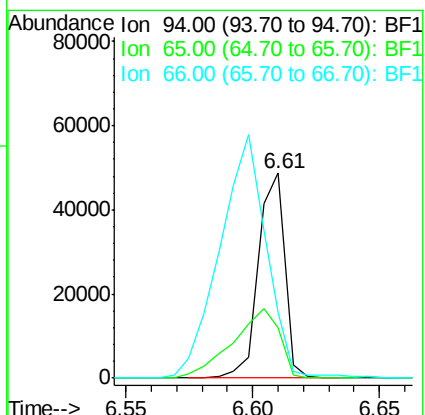
Tgt Ion: 94 Resp: 35643

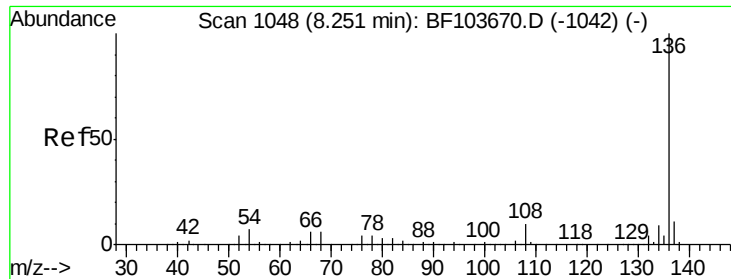
Ion Ratio Lower Upper

94 100

65 24.4 7.9 47.9

66 32.1 16.2 56.2





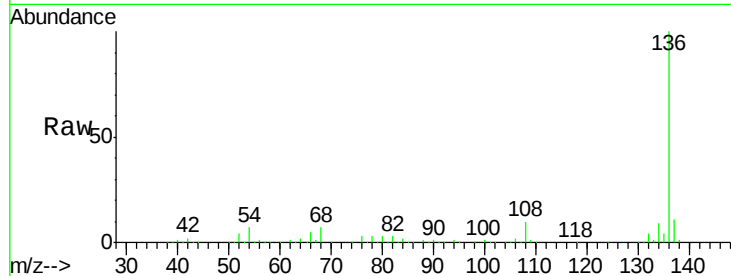
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Instrument :
BNA_F
ClientSampleId :
S-2 COMP

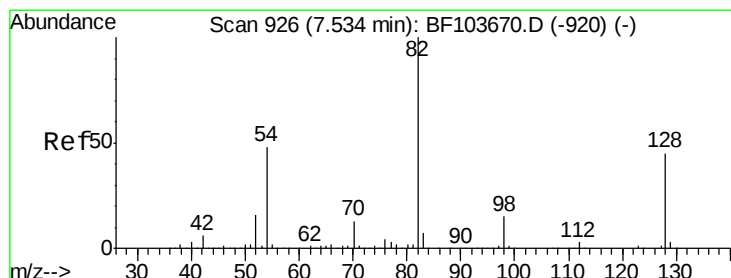
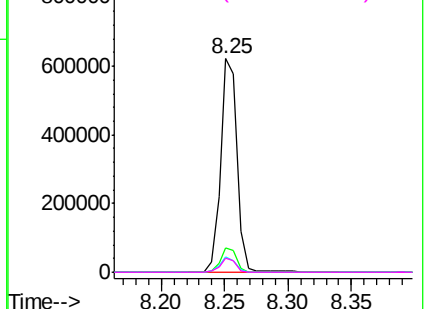
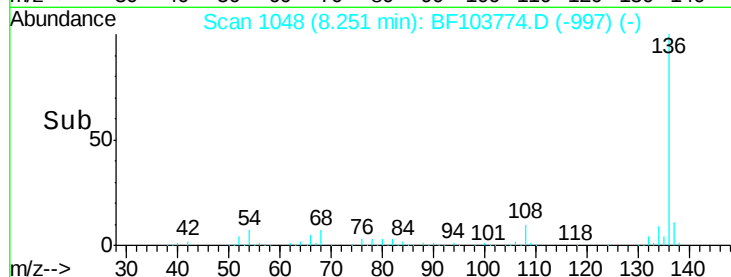
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	7.4	6.6	9.8	
68	6.8	5.0	7.4	

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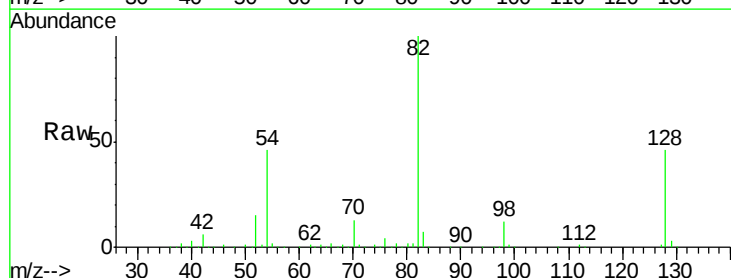


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

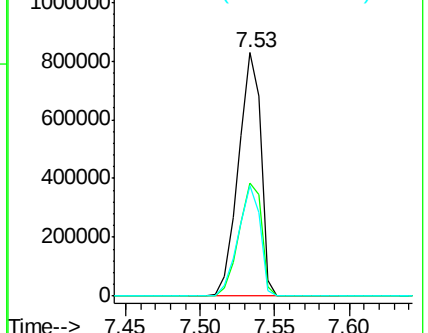
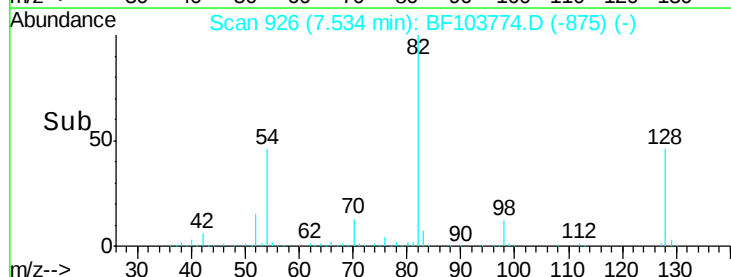


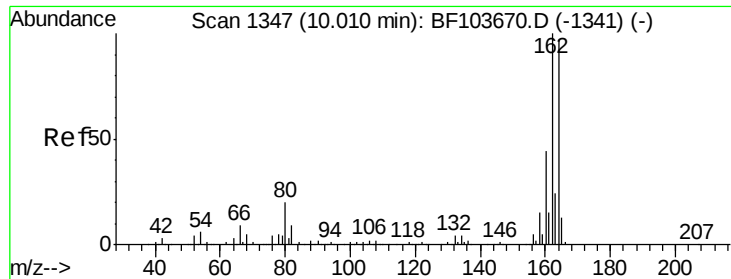
#23
Nitrobenzene-d5
Concen: 107.222 ng
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	46.2	36.1	54.1	
54	45.6	41.4	62.2	



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





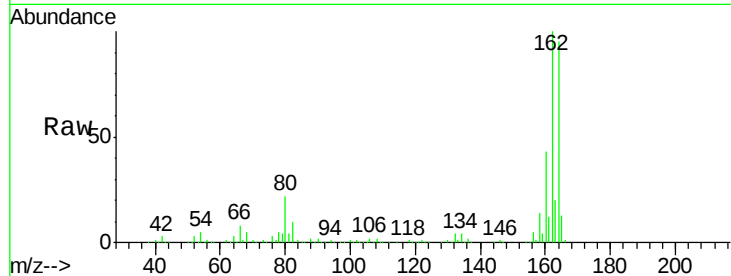
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.00 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Instrument :
BNA_F
ClientSampleId :
S-2 COMP

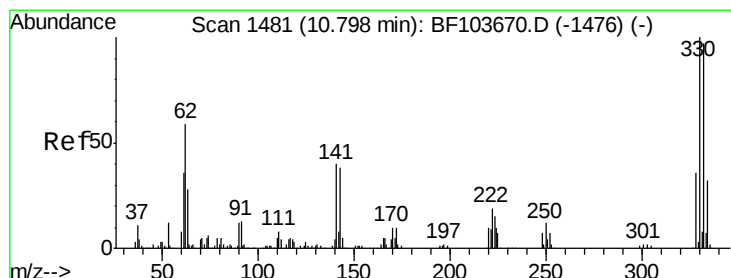
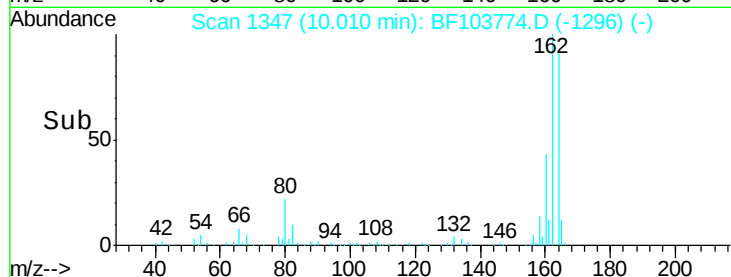
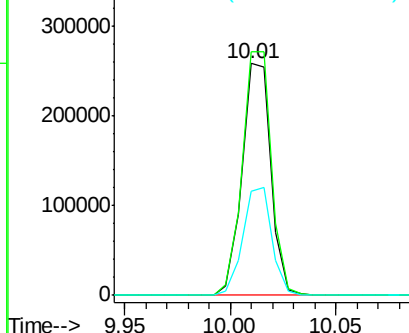
Tot Ion	Ratio	Resp	Lower	Upper
164	100	244398		
162	105.2	86.1	129.1	
160	44.8	38.3	57.5	

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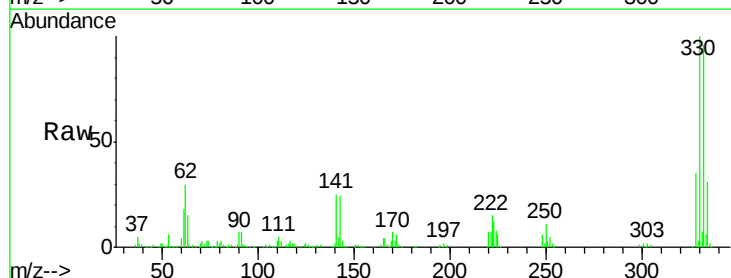


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

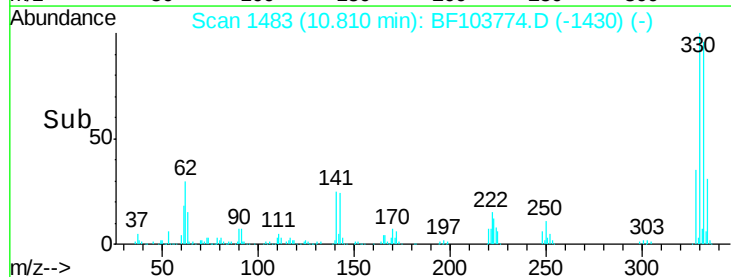
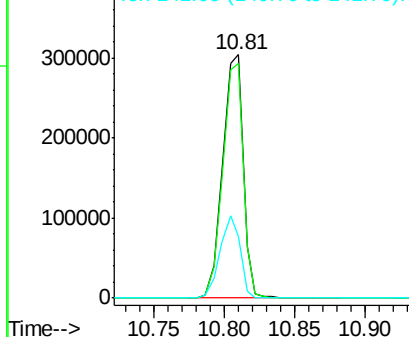


#41
2,4,6-Tribromophenol
Concen: 146.598 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	308053		
332	96.7	77.0	115.6	
141	33.3	29.9	44.9	



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





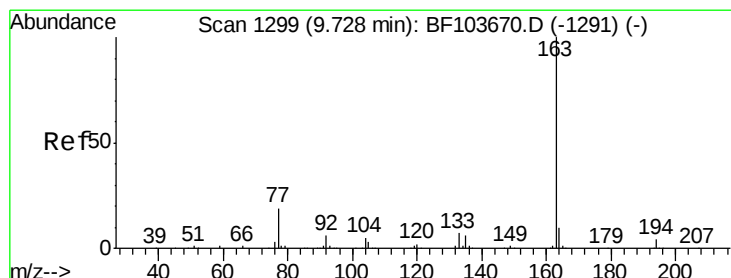
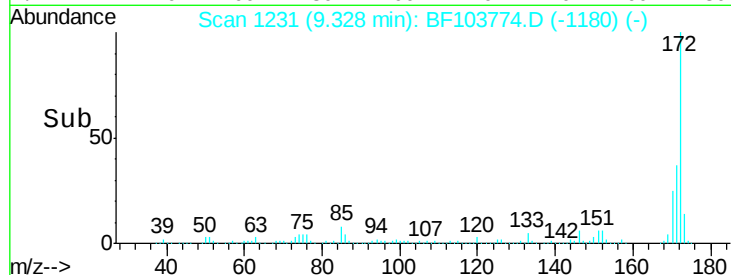
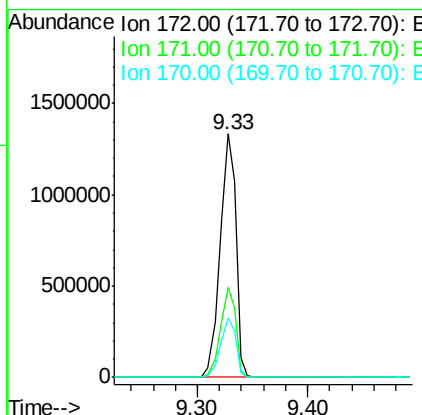
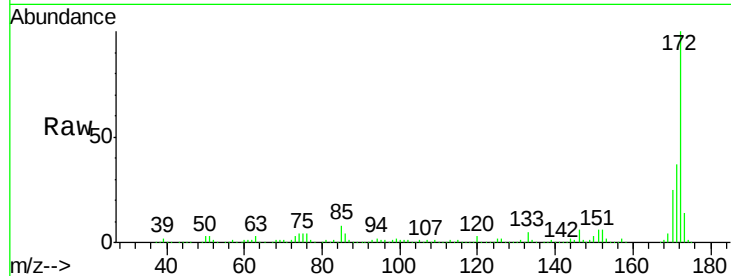
#44
2-Fluorobiphenyl
Concen: 86.596 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Instrument :
BNA_F
ClientSampleId :
S-2 COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.7	44.5
170	24.5	19.6	29.4

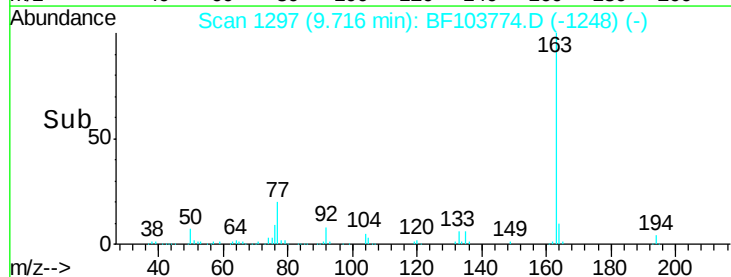
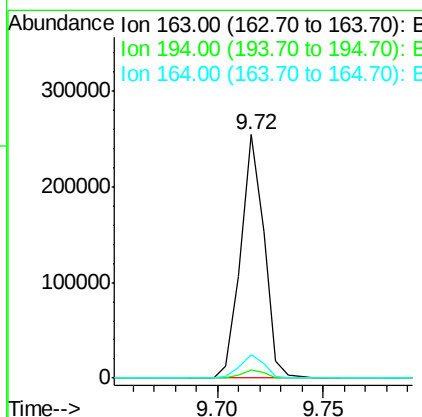
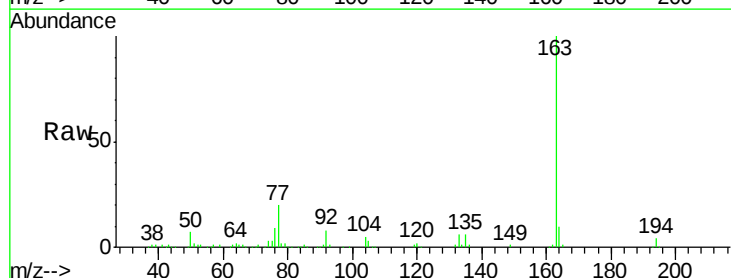
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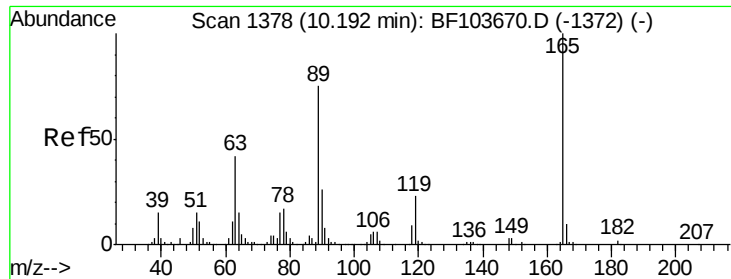
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#49
Dimethylphthalate
Concen: 10.408 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.7	4.1
164	9.7	8.2	12.2





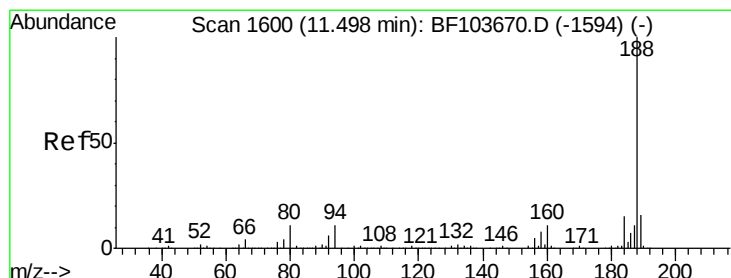
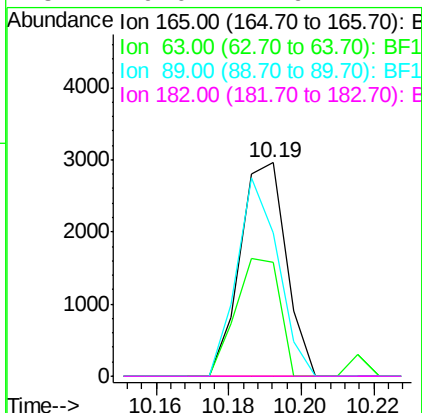
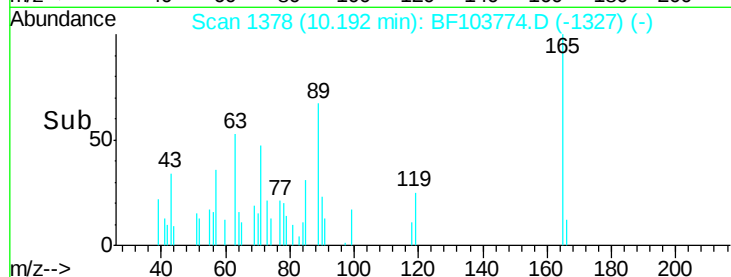
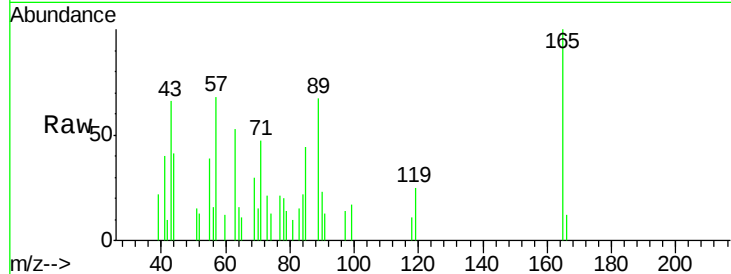
#56
 2,4-Dinitrotoluene
 Concen: 6.717 ng
 RT: 10.19 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: BF103774.D
 Acq: 19 Mar 2018 23:38

Instrument :
 BNA_F
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 S-2 COMP

Tot Ion:	165	Resp:	2640
Ion Ratio	Lower	Upper	
165	100		
63	53.1	36.4	54.6
89	67.2	57.8	86.6
182	0.0	1.6	2.4#

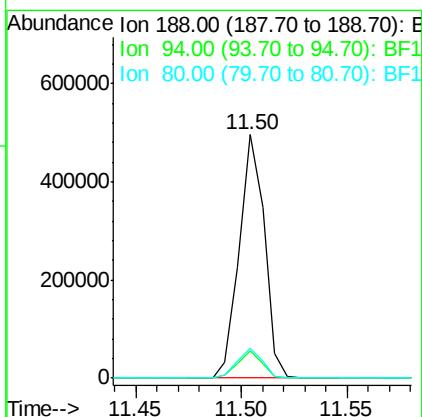
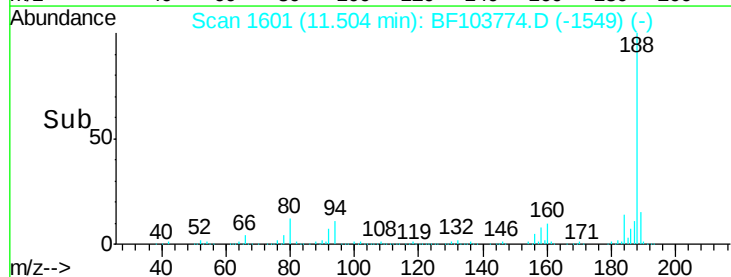
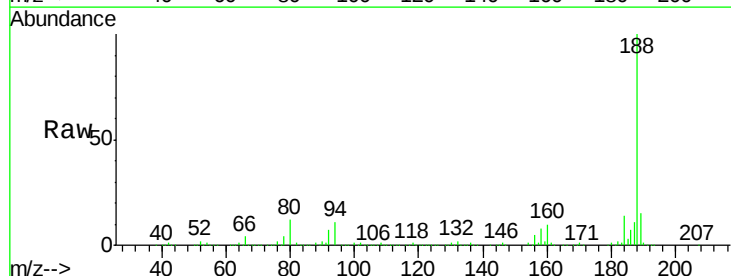
Manual Integrations
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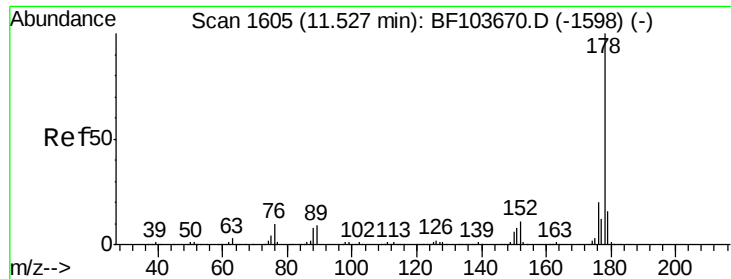
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103774.D
 Acq: 19 Mar 2018 23:38

Tgt Ion:	188	Resp:	409235
Ion Ratio	Lower	Upper	
188	100		
94	11.2	8.5	12.7
80	12.5	9.2	13.8





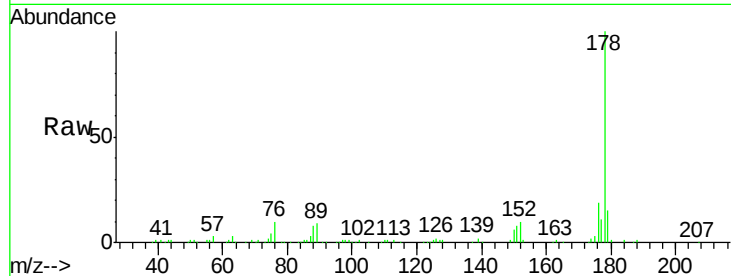
#70
Phenanthrene
Concen: 5.039 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Instrument :
BNA_F
ClientSampleId :
S-2 COMP

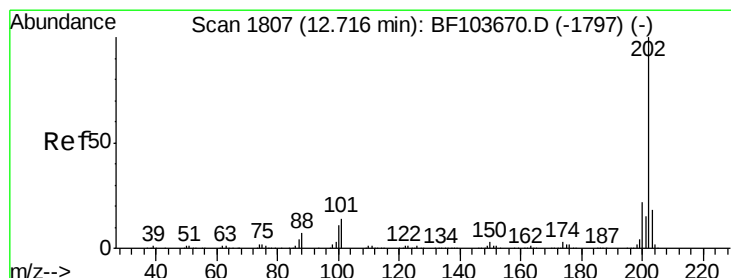
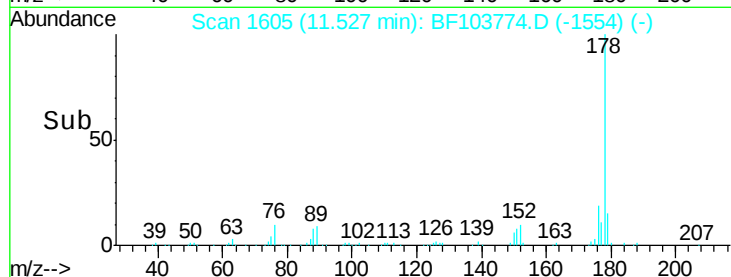
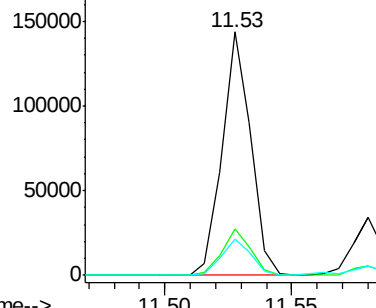
Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	14.9	13.0	19.6

Manual Integrations
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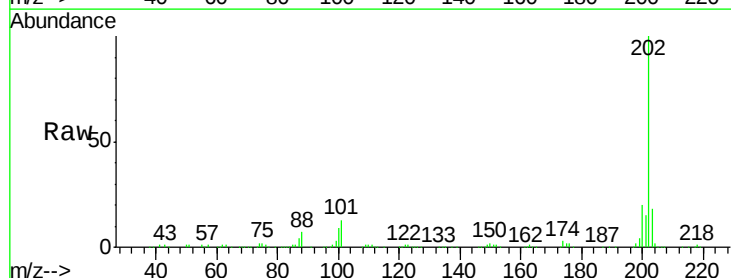


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

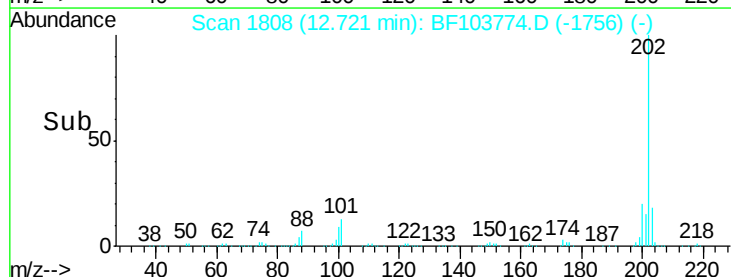
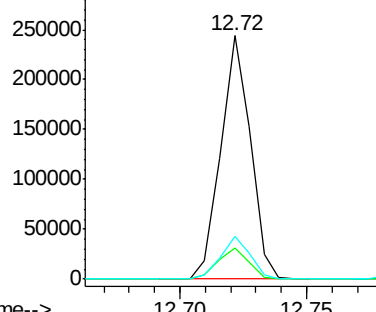


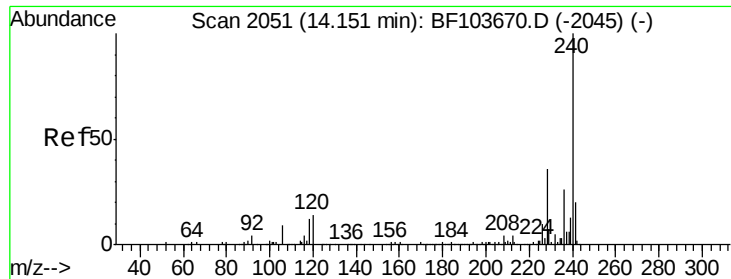
#74
Fluoranthene
Concen: 8.666 ng
RT: 12.72 min Scan# 1808
Delta R.T. 0.01 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.5	0.0	38.1



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





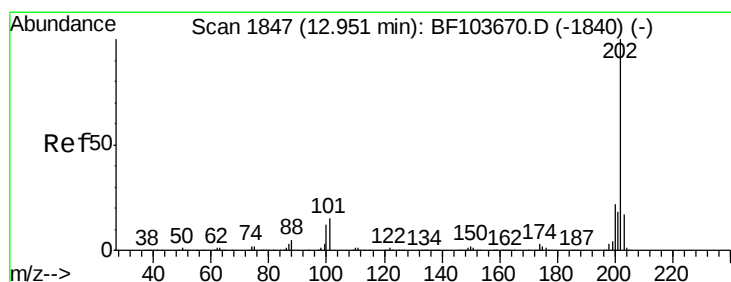
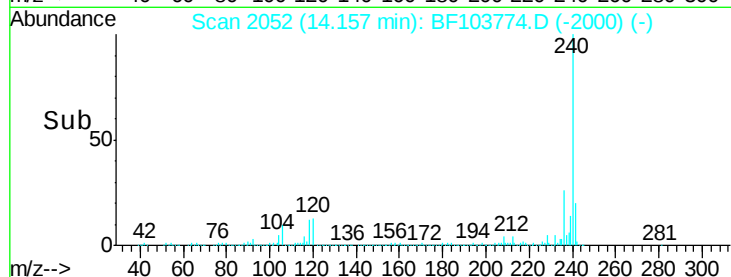
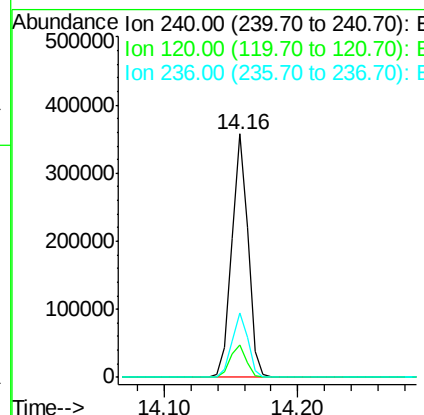
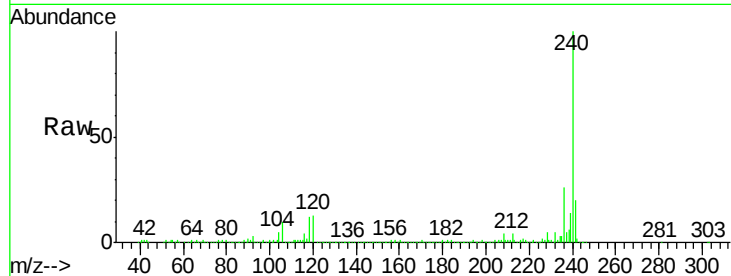
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Instrument :
BNA_F
ClientSampleId :
S-2 COMP

Tot Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	26.3	20.7	31.1

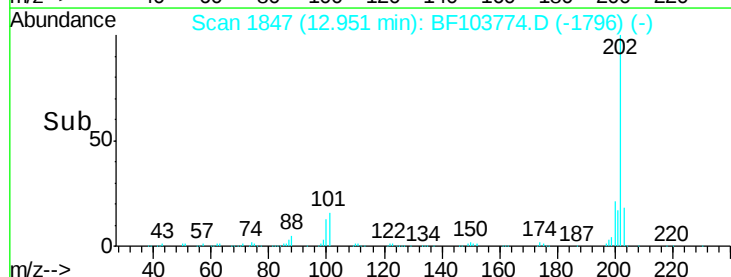
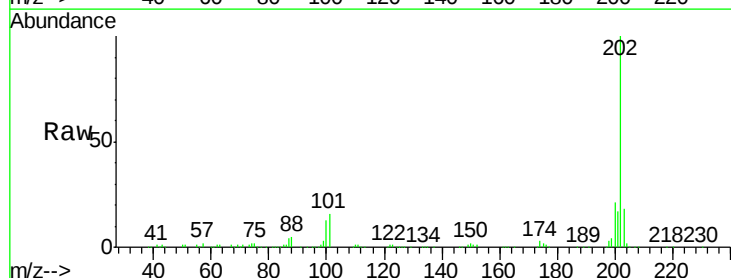
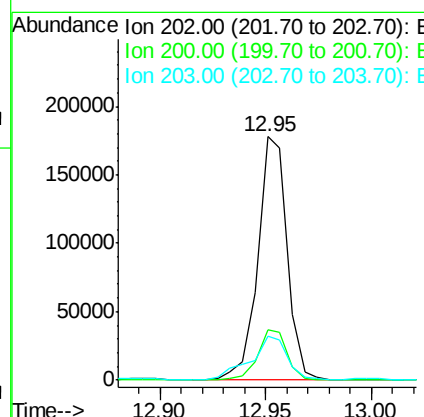
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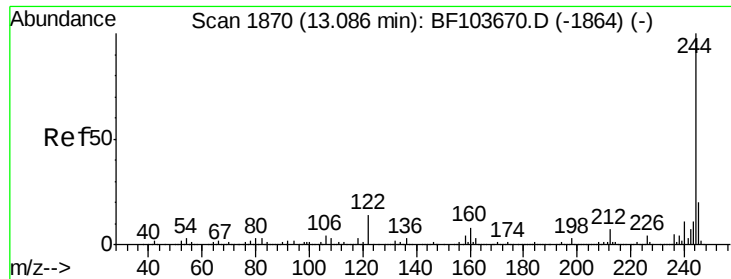
Sohil
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#77
Pyrene
Concen: 7.555 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.1	14.3	21.5





#78

Terphenyl-d14

Concen: 82.081 ng

RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

Instrument :

BNA_F

ClientSampleId :

S-2 COMP

Tot Ion:244 Resp: 1099443

Ion Ratio Lower Upper

244 100

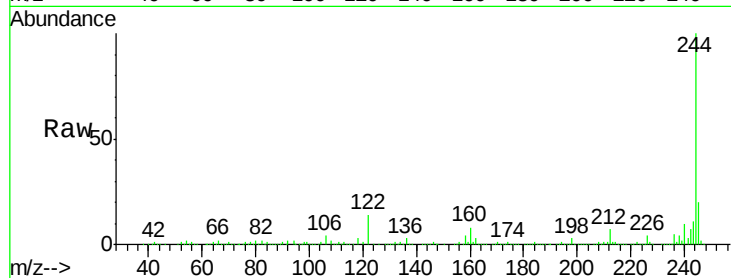
212 6.9 5.4 8.0

122 13.6 11.0 16.4

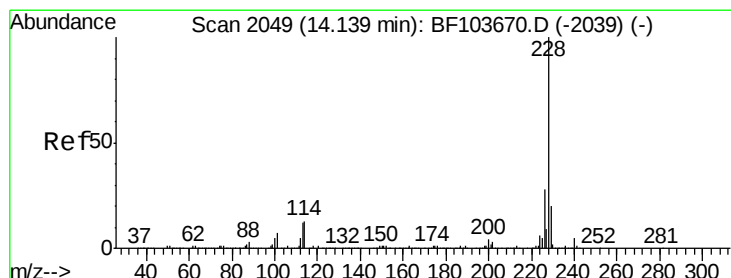
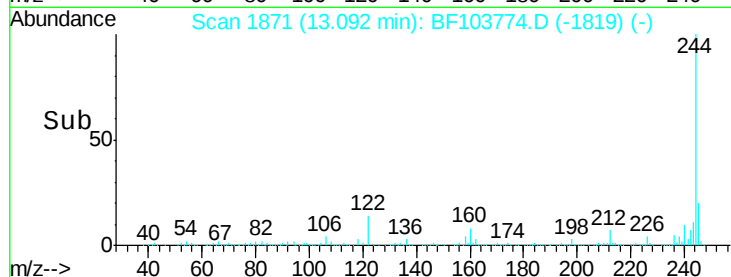
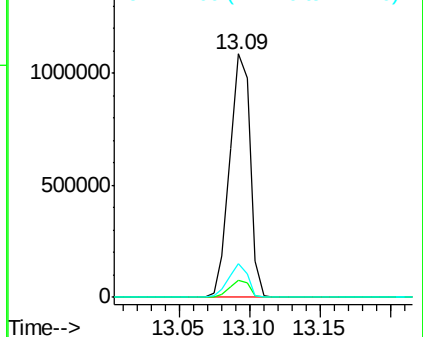
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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 4.667 ng

RT: 14.14 min Scan# 2050

Delta R.T. 0.01 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

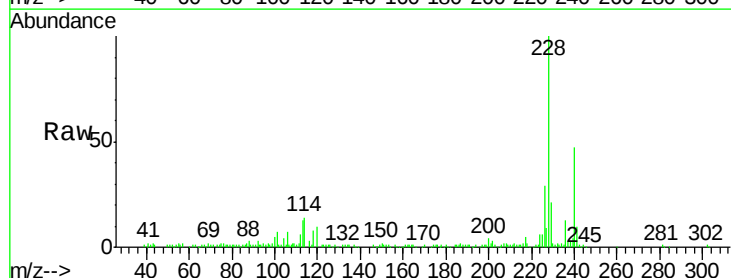
Tgt Ion:228 Resp: 91844

Ion Ratio Lower Upper

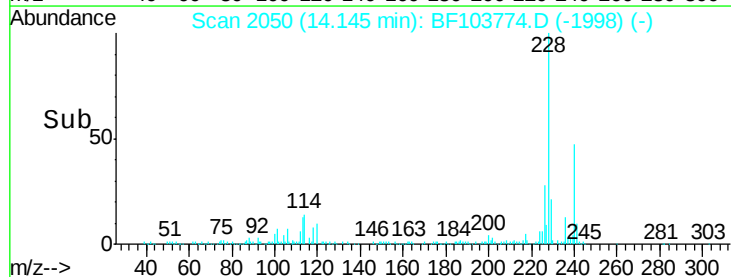
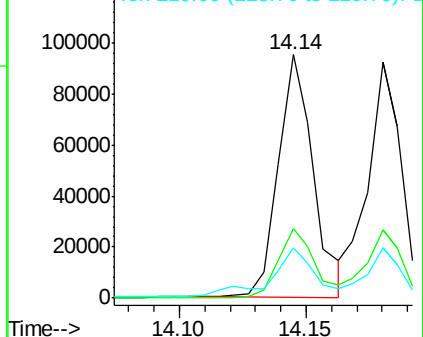
228 100

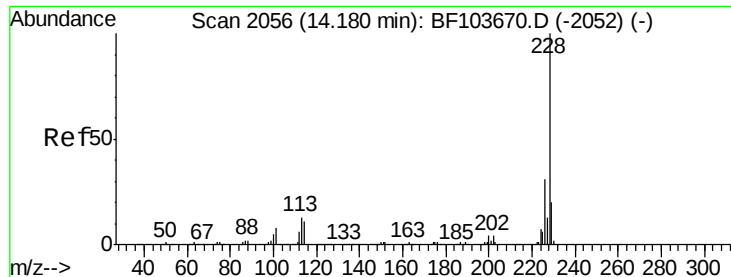
226 28.5 22.6 33.8

229 20.5 15.8 23.6



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





#82

Chrysene

Concen: 4.530 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.00 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

Instrument :

BNA_F

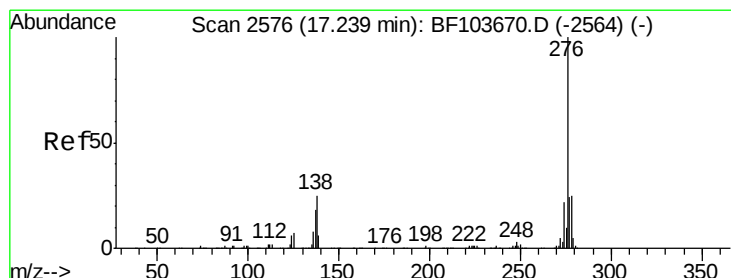
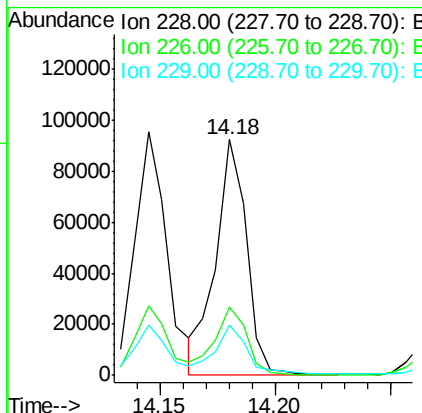
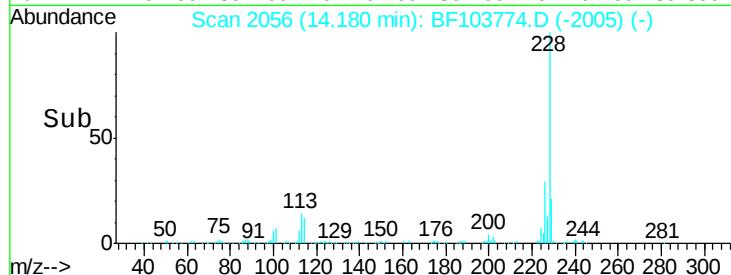
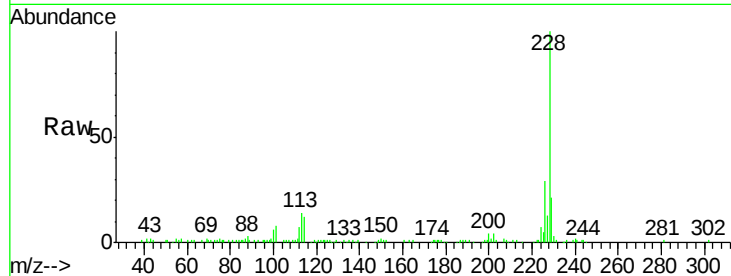
ClientSampleId :

S-2 COMP

Tot Ion:	228	Resp:	84990
Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	21.2	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 2.816 ng

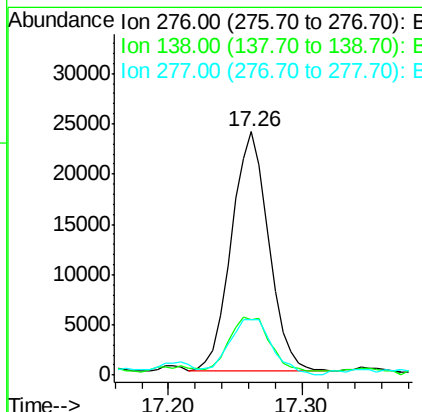
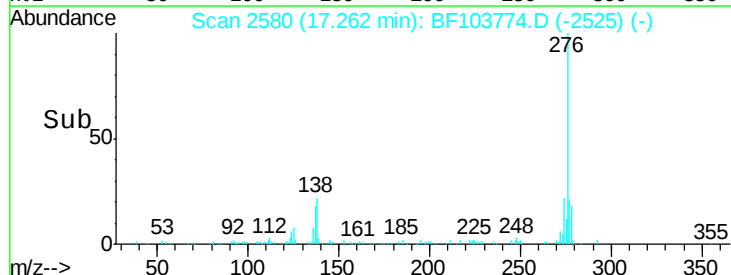
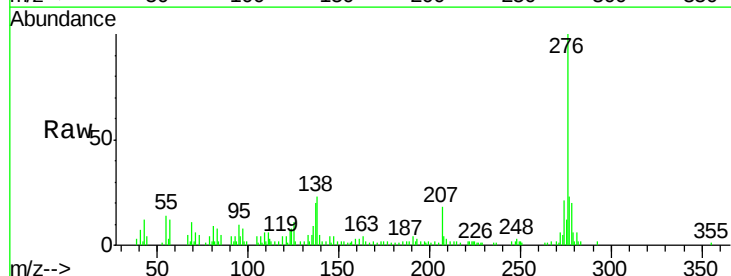
RT: 17.26 min Scan# 2580

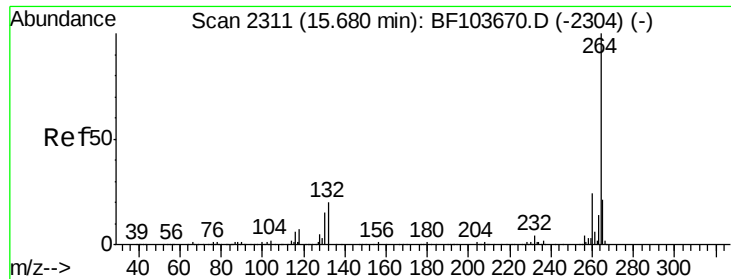
Delta R.T. 0.02 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

Tgt Ion:	276	Resp:	46129
Ion	Ratio	Lower	Upper
276	100		
138	24.4	25.0	37.6#
277	28.0	20.1	30.1





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.70 min Scan# 2314

Delta R.T. 0.02 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

Instrument :

BNA_F

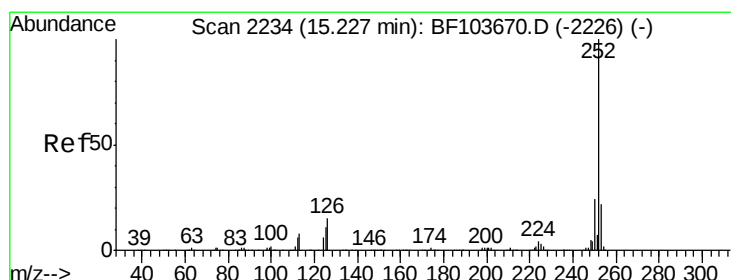
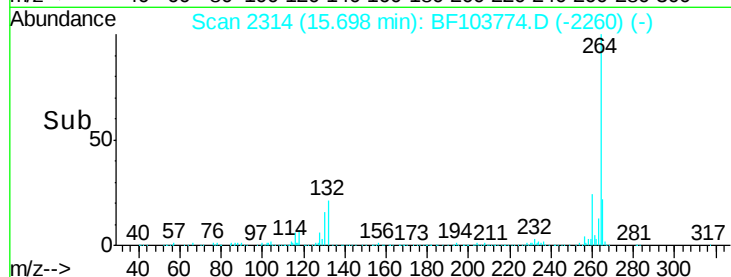
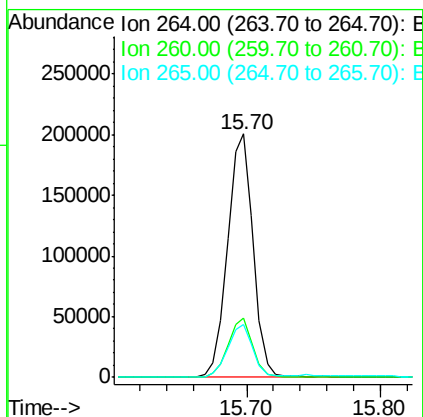
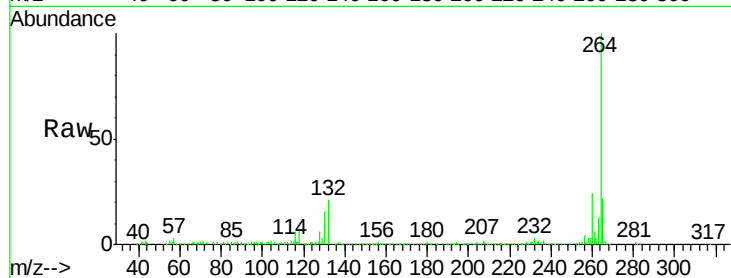
ClientSampled :

S-2 COMP

Tot Ion:	264	Resp:	269252
Ion Ratio	Lower	Upper	
264	100		
260	24.3	19.2	28.8
265	21.5	17.5	26.3

Manual Integrations
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#87

Benzo(b)fluoranthene

Concen: 6.662 ng m

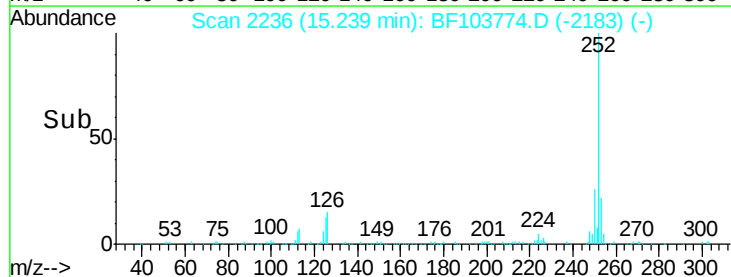
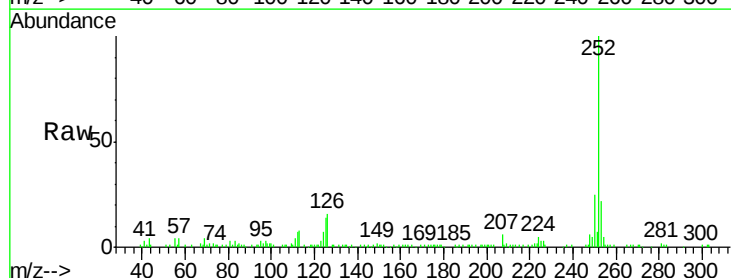
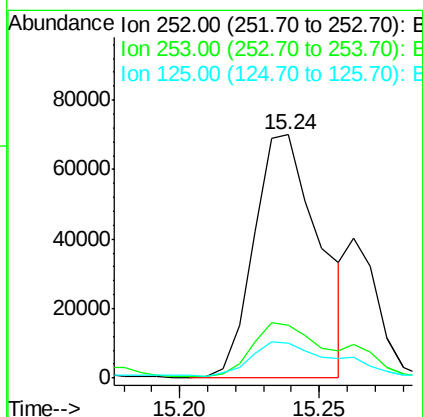
RT: 15.24 min Scan# 2236

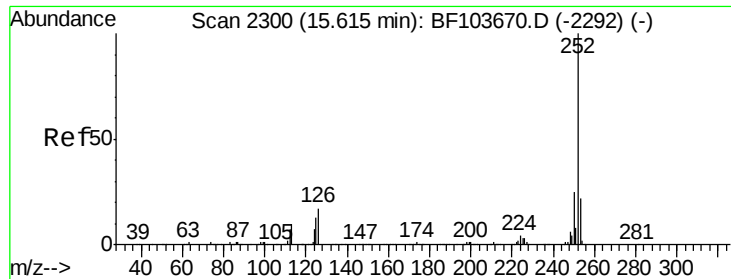
Delta R.T. 0.01 min

Lab File: BF103774.D

Acq: 19 Mar 2018 23:38

Tgt Ion:	252	Resp:	113332
Ion Ratio	Lower	Upper	
252	100		
253	21.8	17.0	25.6
125	14.4	9.0	13.6#





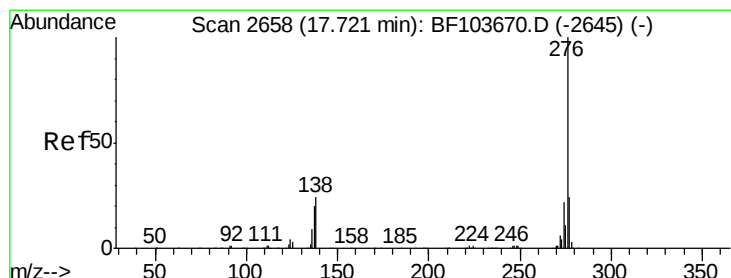
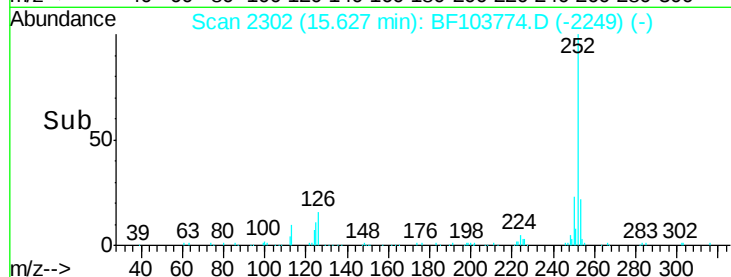
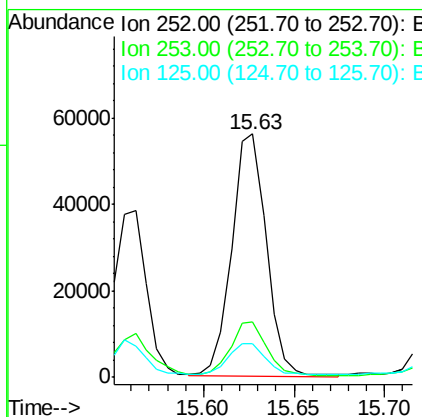
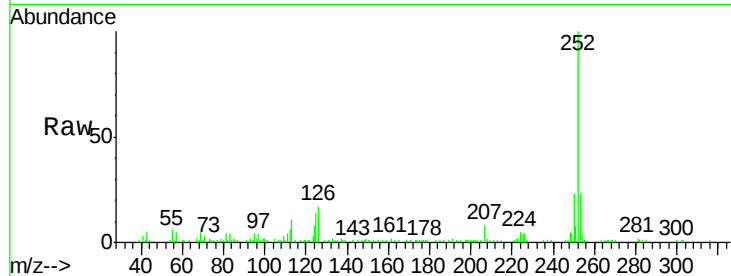
#89
Benzo(a)pyrene
Concen: 4.844 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Instrument :
BNA_F
ClientSampleId :
S-2 COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	13.6	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.487 ng
RT: 17.74 min Scan# 2661
Delta R.T. 0.02 min
Lab File: BF103774.D
Acq: 19 Mar 2018 23:38

Tgt Ion	Ratio	Lower	Upper
276	100		
277	27.2	17.9	26.9#
138	29.9	21.8	32.8

