

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103769.D
 Acq On : 19 Mar 2018 21:25
 Operator : JU/SJ
 Sample : J1972-08
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-4 COMP

Manual Integrations
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Quant Time: Mar 20 08:28:22 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	172479	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	678418	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	285903	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	427003	20.00	ng	0.00
75) Chrysene-d12	14.16	240	332909	20.00	ng	0.00
86) Perylene-d12	15.70	264	261466	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1351060	119.14	ng	0.02
7) Phenol-d6	6.60	99	1675709	120.78	ng	0.01
23) Nitrobenzene-d5	7.54	82	1022025	105.06	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	315167	128.21	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1382729	77.15	ng	0.00
78) Terphenyl-d14	13.09	244	1024077	71.40	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	45380	3.078	ng	95
49) Dimethylphthalate	9.72	163	212289	9.732	ng	99
50) 2,6-Dinitrotoluene	9.79	165	3644	4.776	ng	92
56) 2,4-Dinitrotoluene	10.19	165	11208	8.039	ng	# 97
70) Phenanthrene	11.53	178	88944	3.808	ng	97
74) Fluoranthene	12.72	202	132623	5.511	ng	98
77) Pyrene	12.96	202	135475	5.541	ng	98
80) Benzo(a)anthracene	14.14	228	77422	3.674	ng	96
82) Chrysene	14.18	228	78347	3.900	ng	97
87) Benzo(b)fluoranthene	15.24	252	80609m	4.880	ng	
89) Benzo(a)pyrene	15.63	252	51544	3.440	ng	# 92
91) Benzo(a,h,i)perylene	17.74	276	27594	2.186	ng	95

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

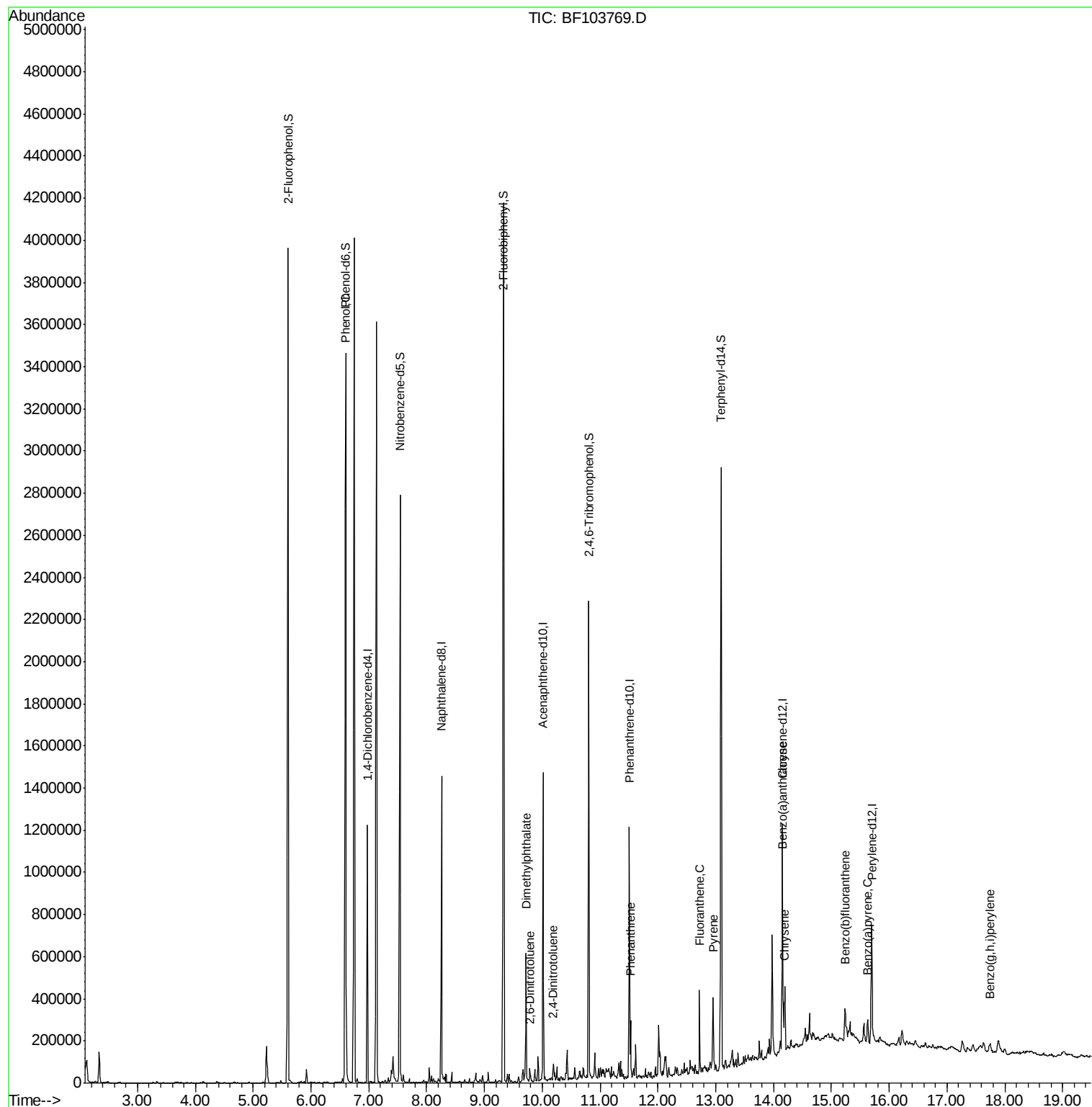
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
Data File : BF103769.D
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Sample : J1972-08
Misc :
ALS Vial : 12 Sample Multiplier: 1

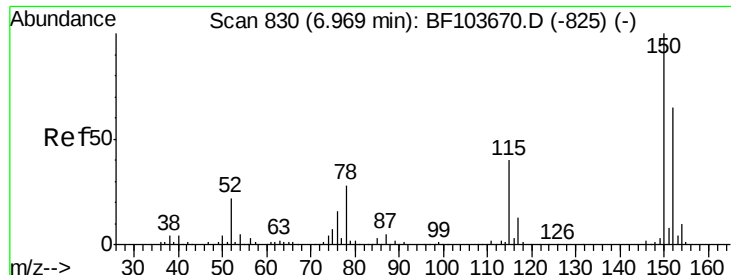
Instrument :
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#1

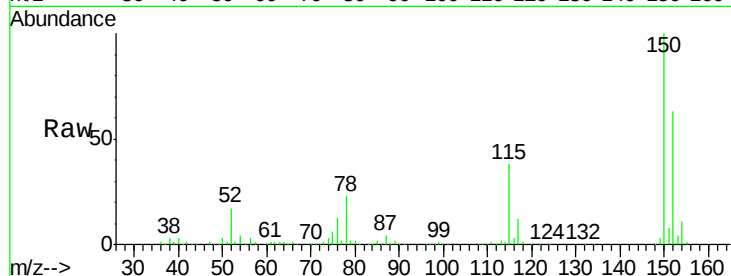
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampleId :
S-4 COMP

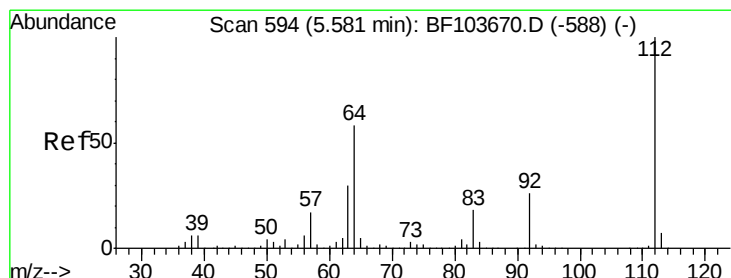
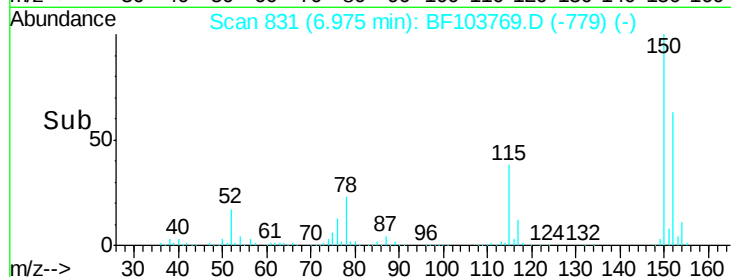
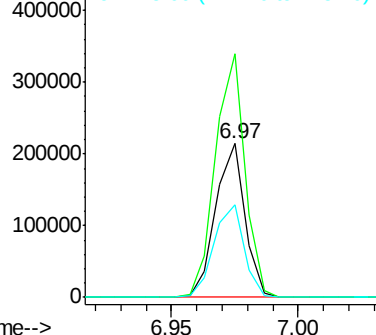
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	60.6	50.1	75.1

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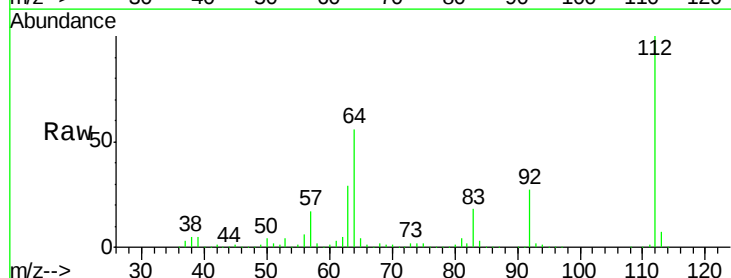
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



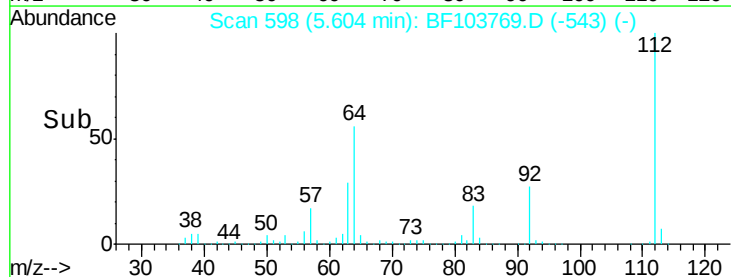
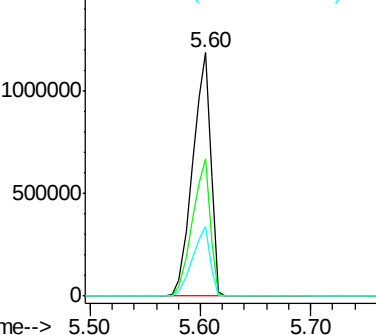
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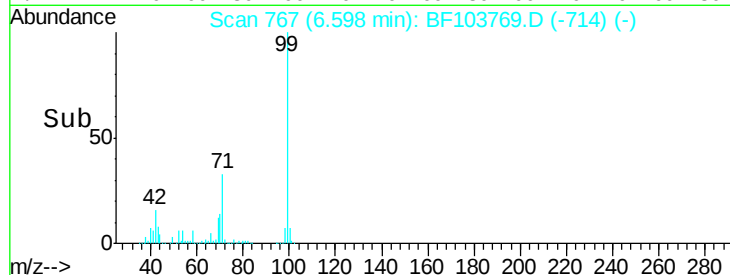
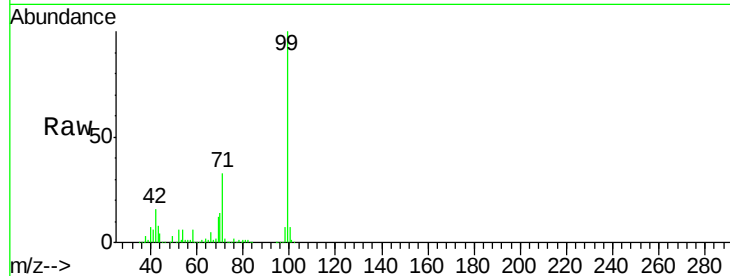
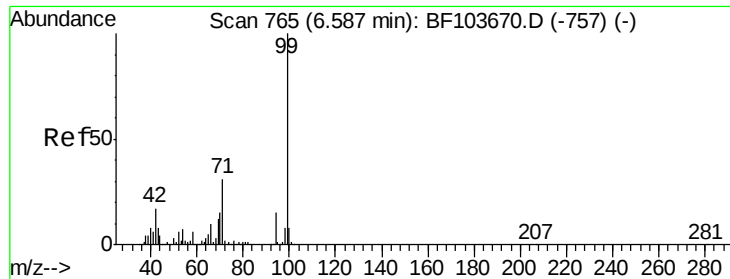
2-Fluorophenol
Concen: 119.142 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.3	47.9	71.9
63	28.6	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: 120.784 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103769.D

Acq: 19 Mar 2018 21:25

Tot Ion: 99 Resp: 1675709

Ion Ratio Lower Upper

99 100

42 16.2 14.5 21.7

71 33.4 25.4 38.0

Instrument :

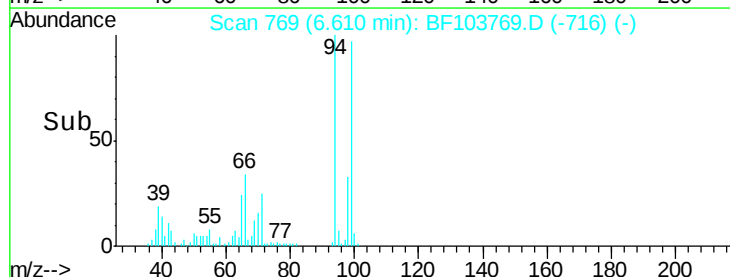
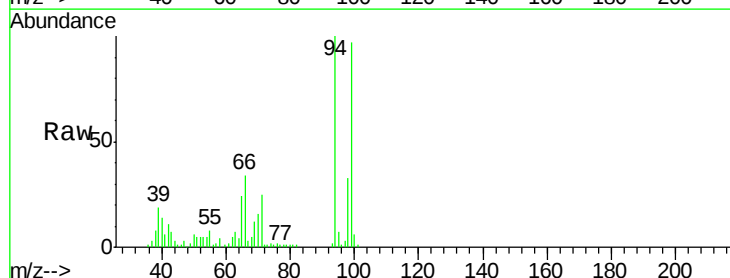
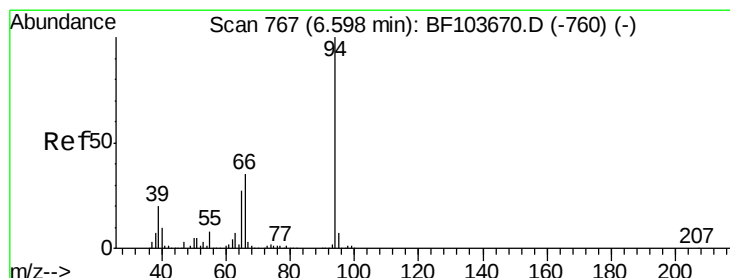
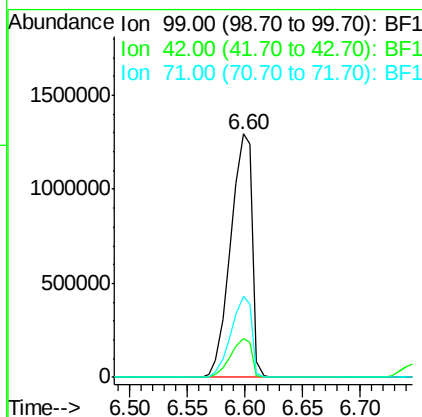
BNA_F

ClientSampleId :

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#10

Phenol

Concen: 3.078 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103769.D

Acq: 19 Mar 2018 21:25

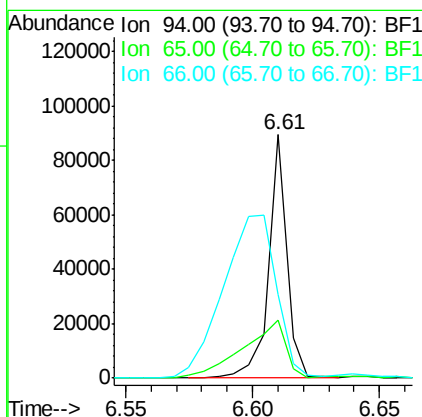
Tgt Ion: 94 Resp: 45380

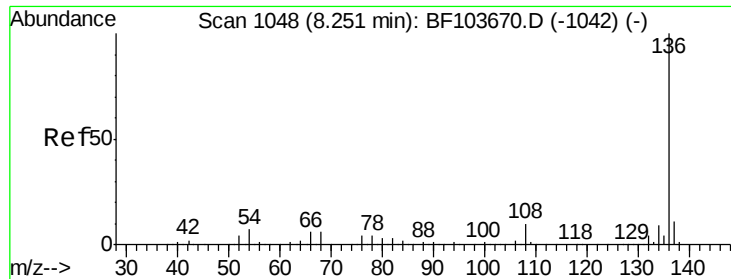
Ion Ratio Lower Upper

94 100

65 23.7 7.9 47.9

66 34.4 16.2 56.2





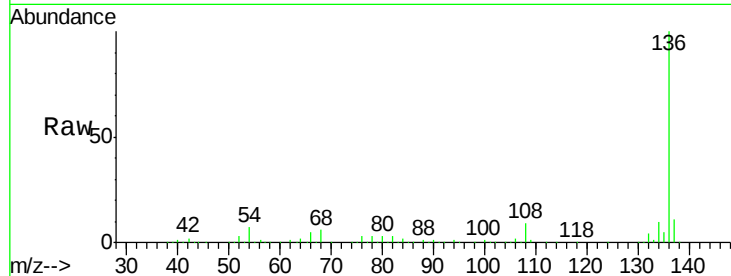
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampled :
S-4 COMP

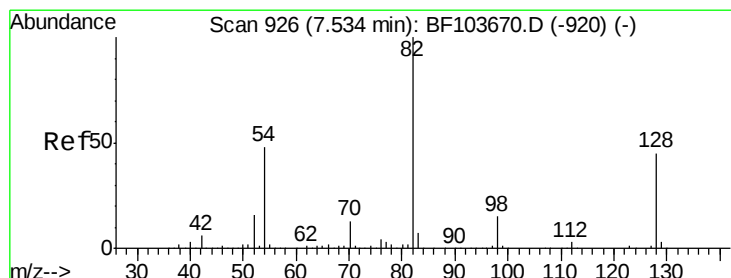
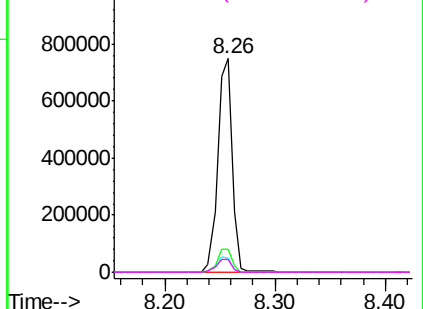
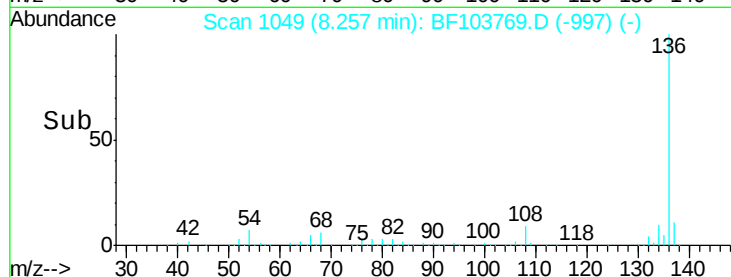
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		678418		
137	10.8		8.9	13.3	
54	6.7		6.6	9.8	
68	5.9		5.0	7.4	

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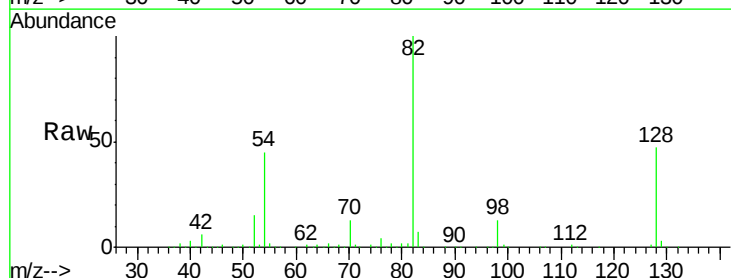


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

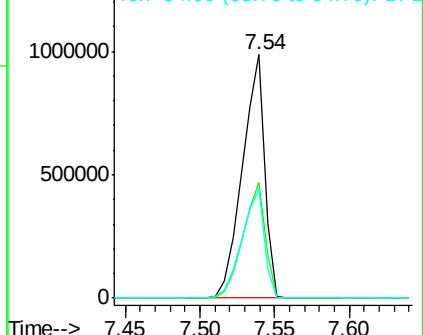
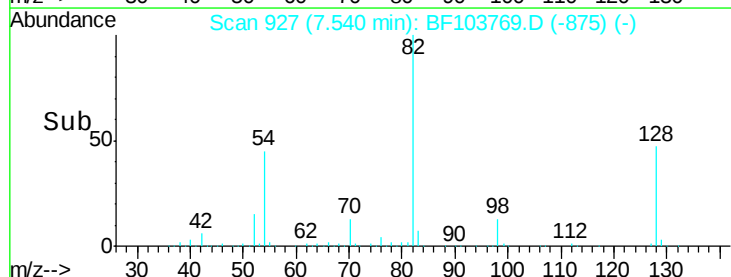


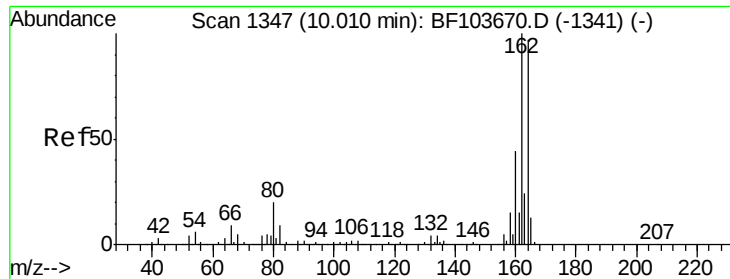
#23
Nitrobenzene-d5
Concen: 105.056 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		1022025		
128	47.3		36.1	54.1	
54	44.8		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





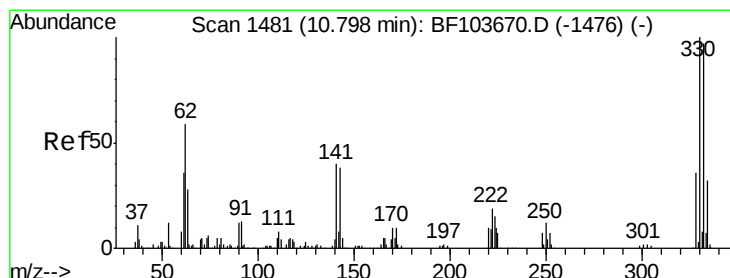
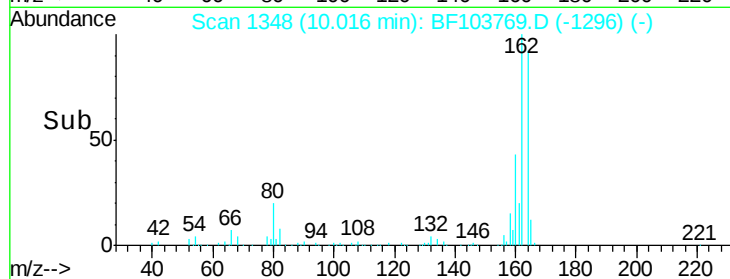
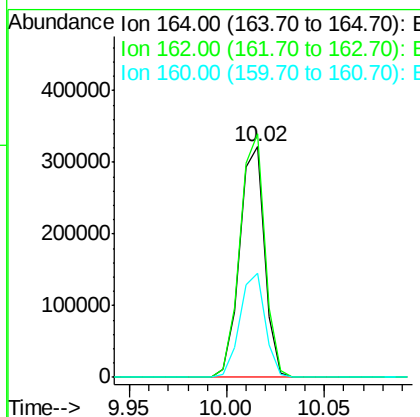
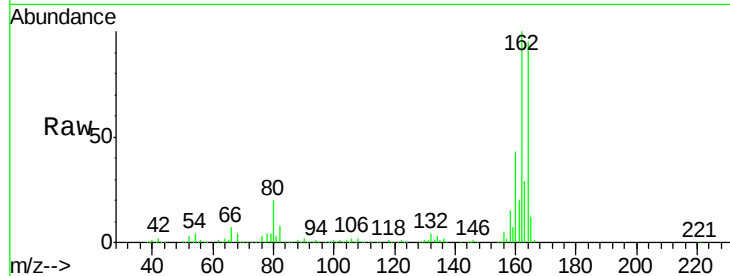
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.02 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: BF103769.D
 Acq: 19 Mar 2018 21:25

Instrument :
 BNA_F
 ClientSampleId :
 S-4 COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.7	86.1	129.1	
160	45.4	38.3	57.5	

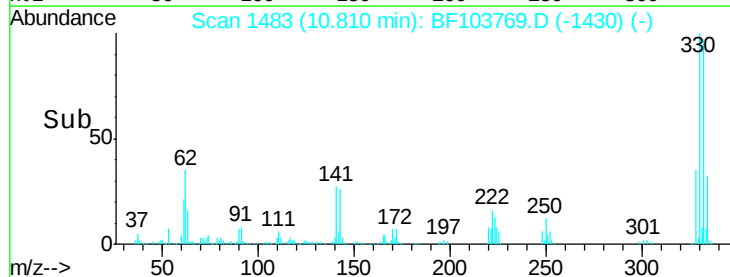
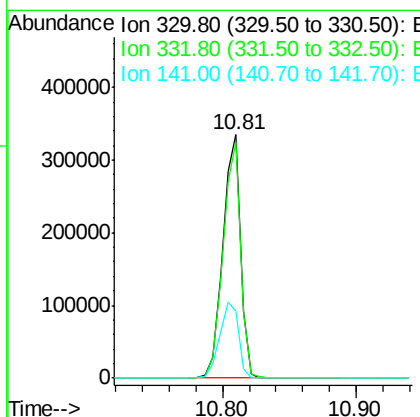
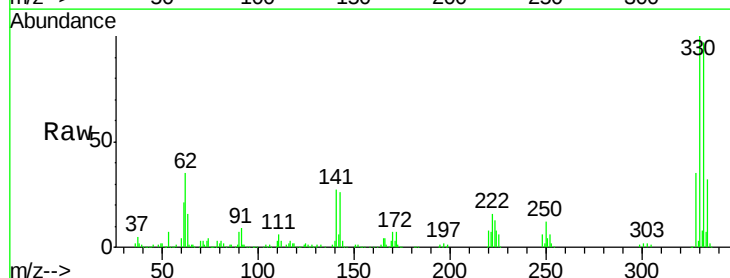
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#41
 2,4,6-Tribromophenol
 Concen: 128.210 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. 0.01 min
 Lab File: BF103769.D
 Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.2	77.0	115.6	
141	33.6	29.9	44.9	





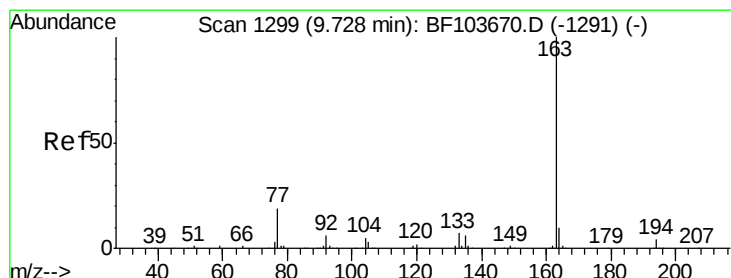
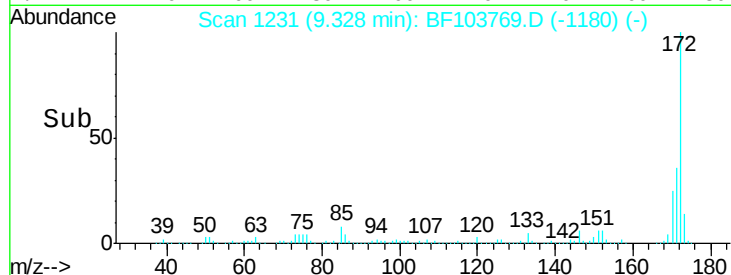
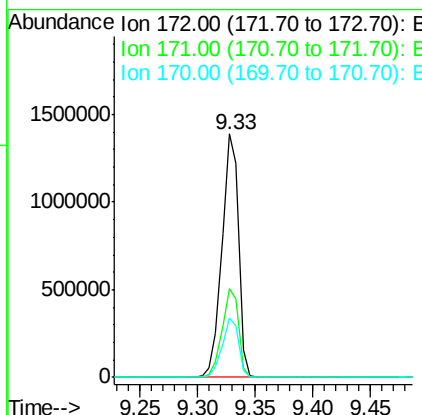
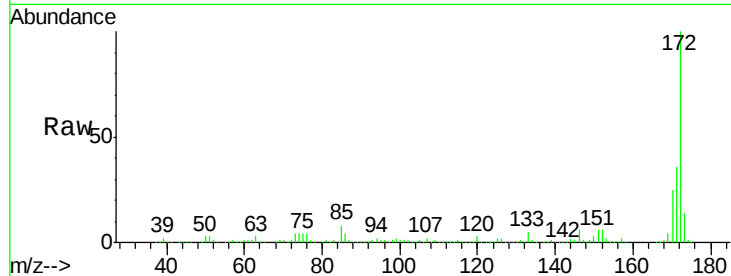
#44
2-Fluorobiphenyl
Concen: 77.147 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampled :
S-4 COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.6	19.6	29.4

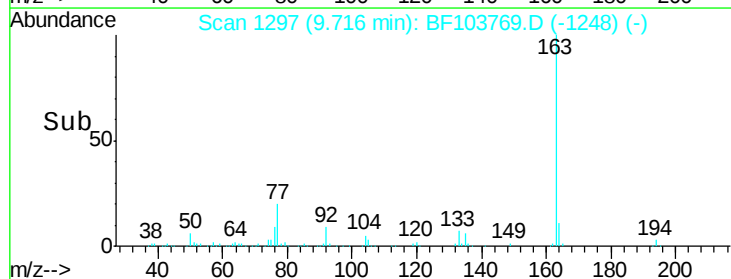
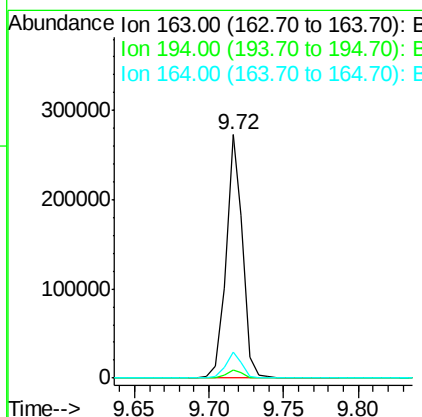
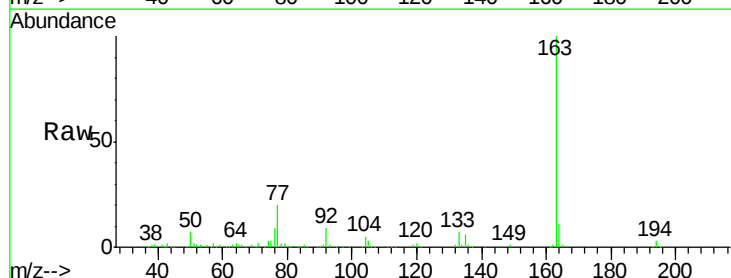
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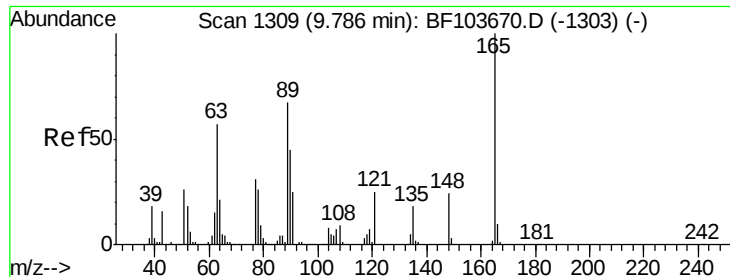
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#49
Dimethylphthalate
Concen: 9.732 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.6	8.2	12.2





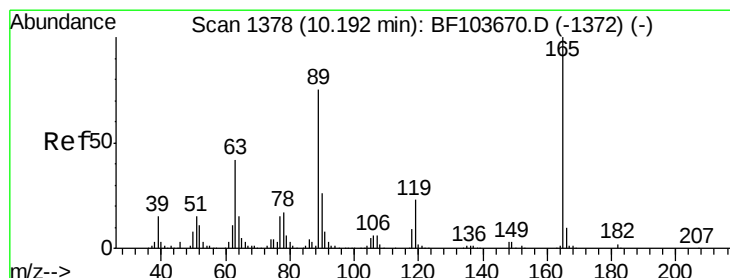
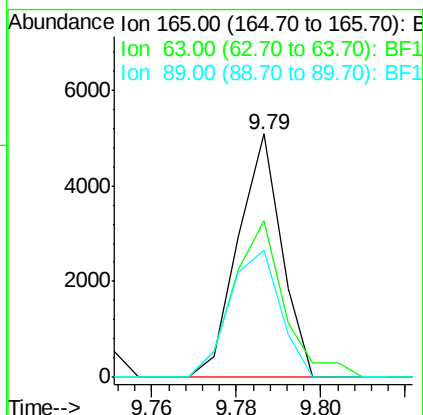
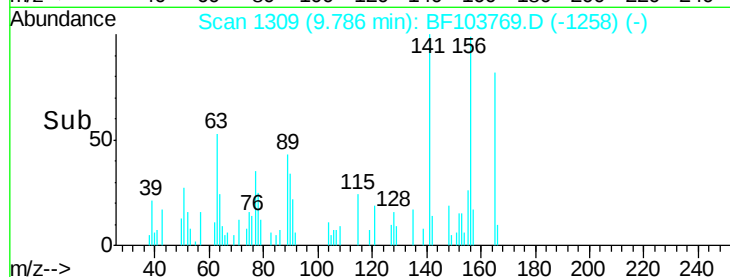
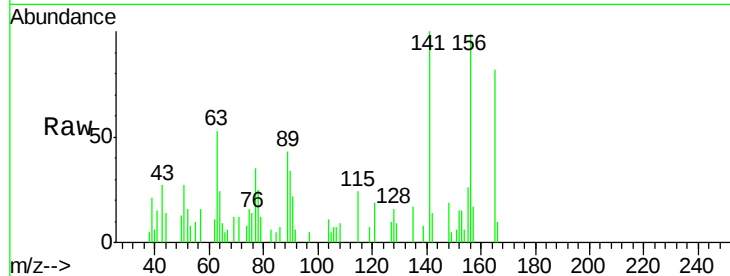
#50
2,6-Dinitrotoluene
Concen: 4.776 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampleId :
S-4 COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	64.4	44.7	67.1
89	52.4	44.0	66.0

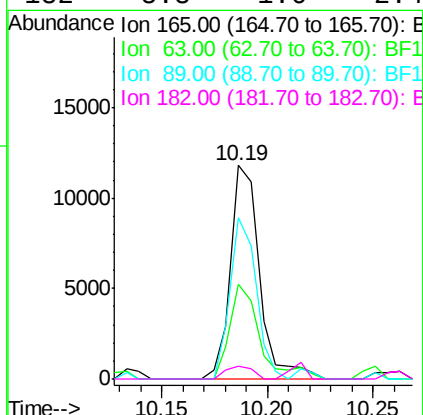
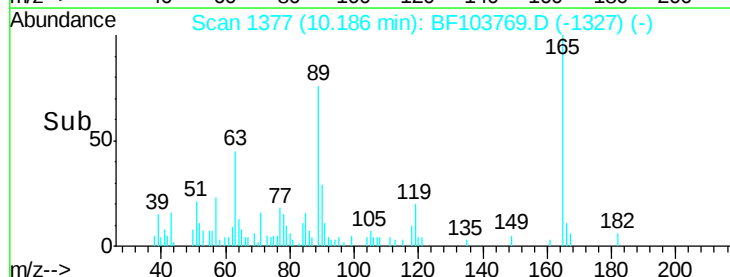
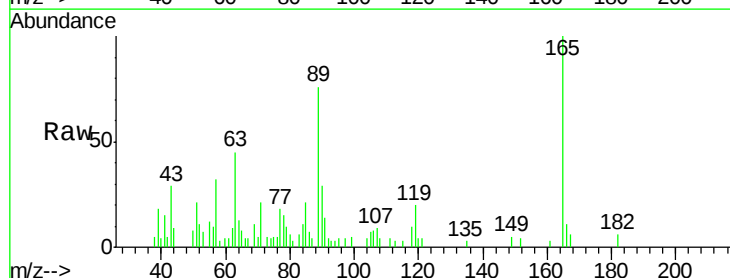
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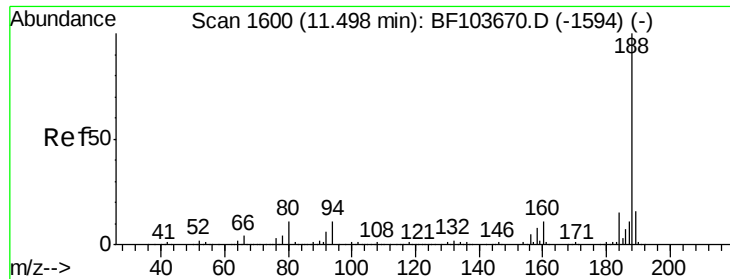
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#56
2,4-Dinitrotoluene
Concen: 8.039 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Lower	Upper
165	100		
63	44.5	36.4	54.6
89	75.5	57.8	86.6
182	5.8	1.6	2.4#





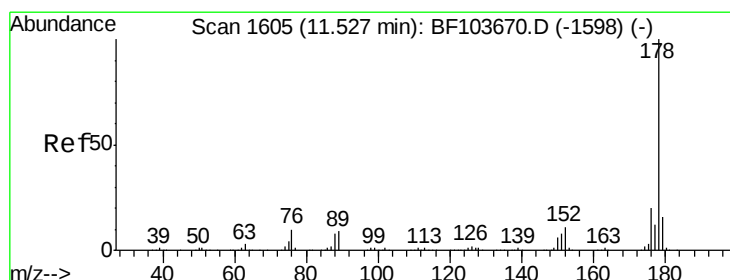
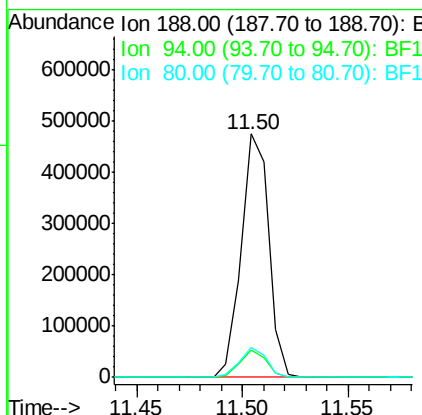
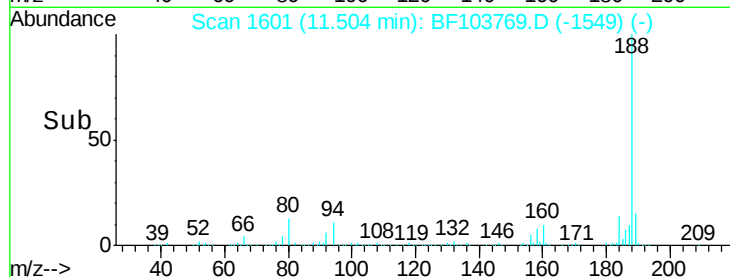
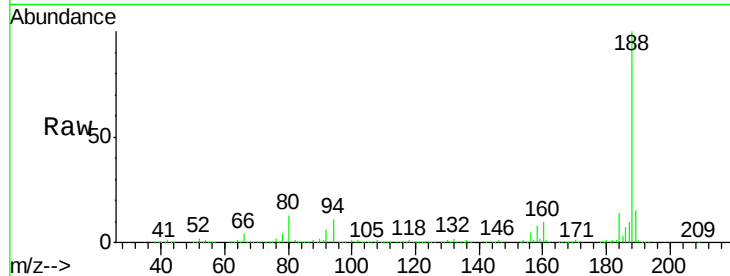
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampleId :
S-4 COMP

Tot Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.5	9.2	13.8

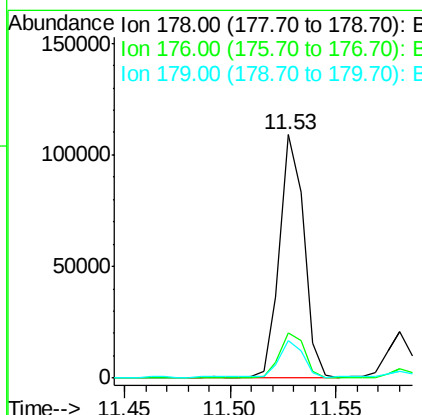
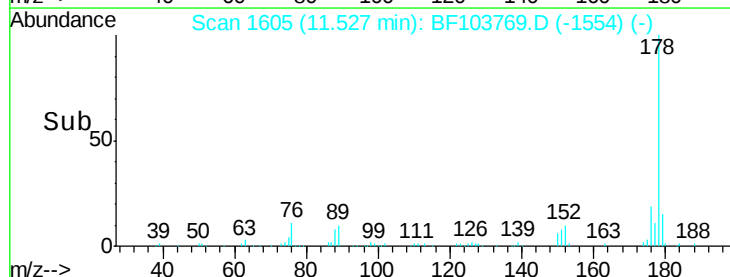
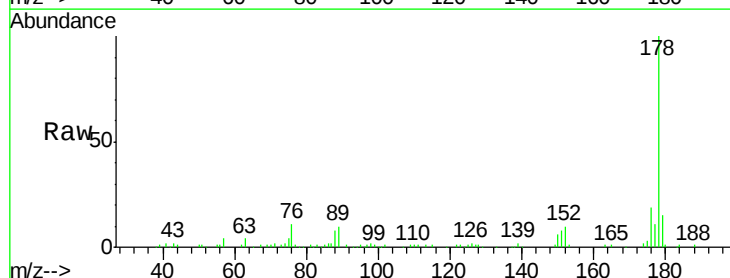
Manual Integrations
APPROVED

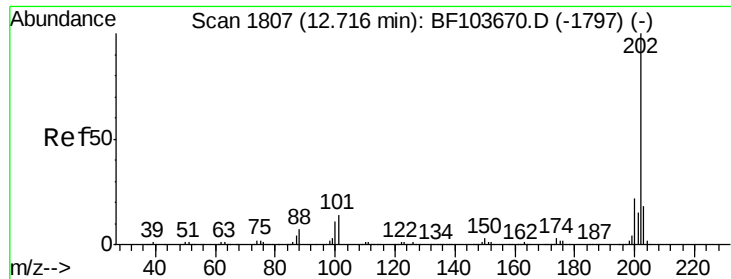
Sohil
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#70
Phenanthrene
Concen: 3.808 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.8
179	15.3	13.0	19.6





#74

Fluoranthene

Concen: 5.511 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103769.D

Acq: 19 Mar 2018 21:25

Instrument :

BNA_F

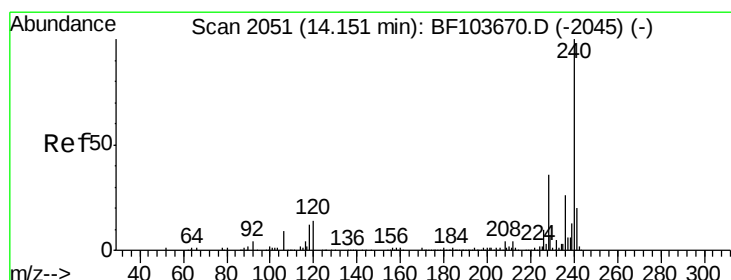
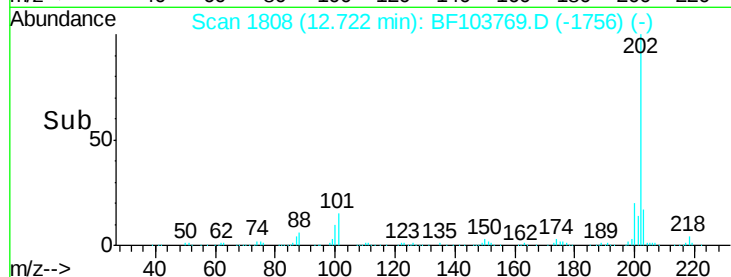
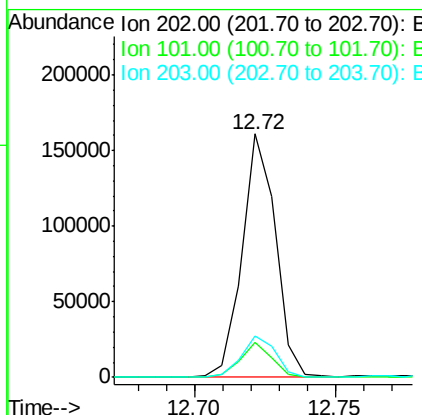
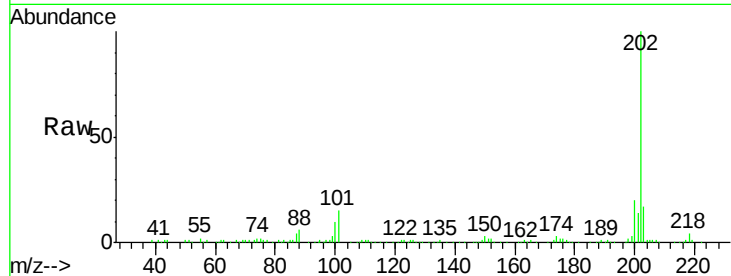
ClientSampleId :

S-4 COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100				
101	14.5	0.0	34.1		
203	17.1	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

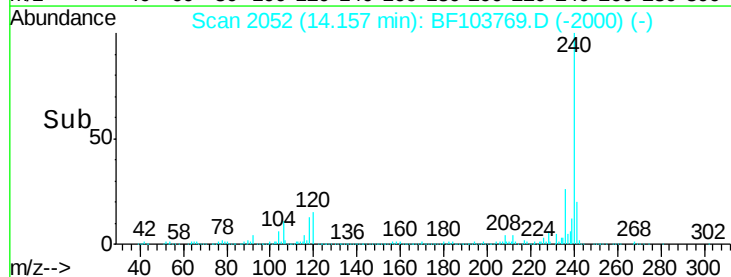
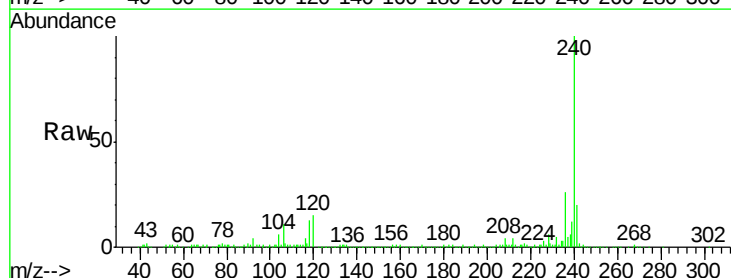
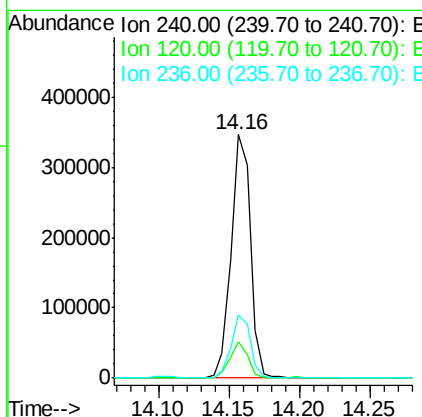
RT: 14.16 min Scan# 2052

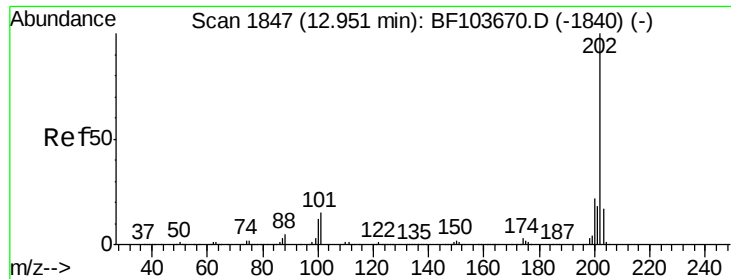
Delta R.T. 0.01 min

Lab File: BF103769.D

Acq: 19 Mar 2018 21:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	14.9	9.5	14.3#		
236	26.0	20.7	31.1		





#77

Pvrene

Concen: 5.541 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103769.D

Acq: 19 Mar 2018 21:25

Instrument :

BNA_F

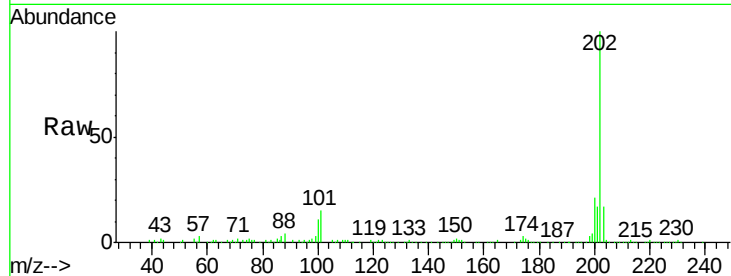
ClientSampleId :

S-4 COMP

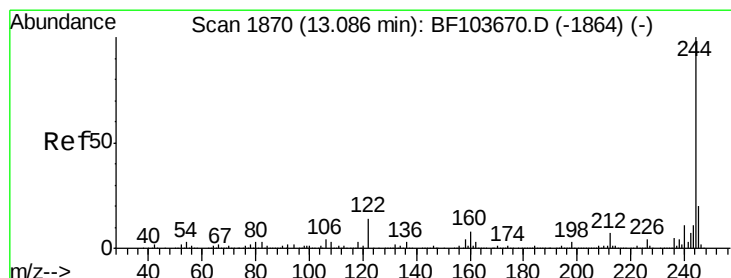
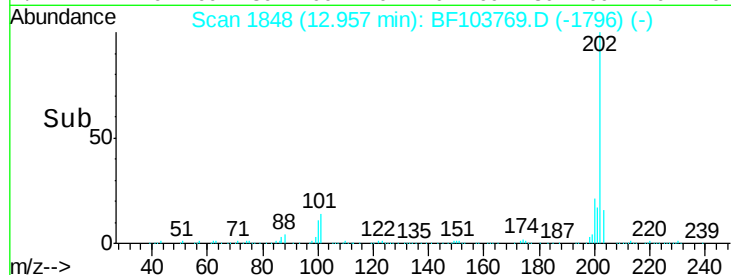
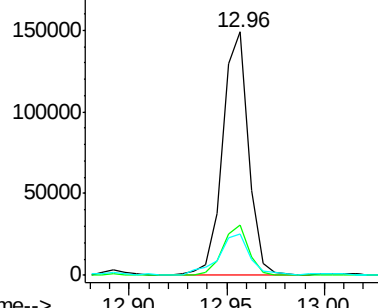
Tot Ion:	202	Resp:	135475
Ion Ratio	Lower	Upper	
202	100		
200	20.9	17.4	26.2
203	16.7	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 71.402 ng

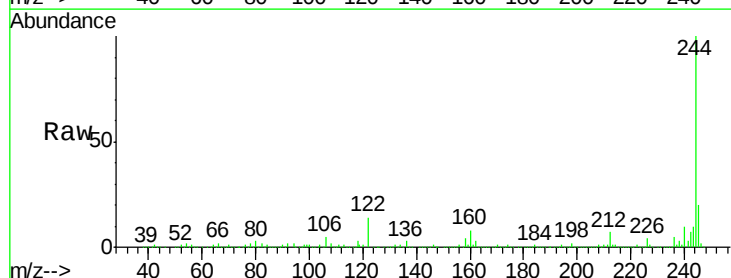
RT: 13.09 min Scan# 1871

Delta R.T. 0.01 min

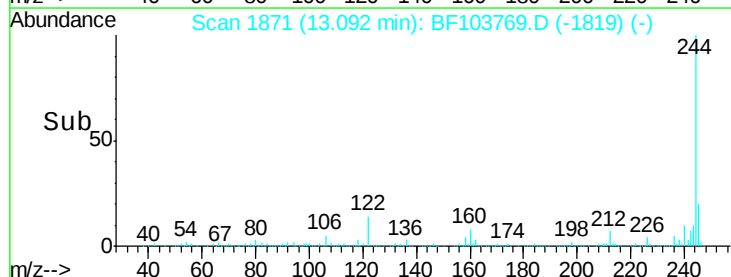
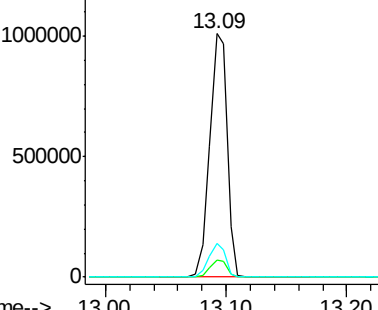
Lab File: BF103769.D

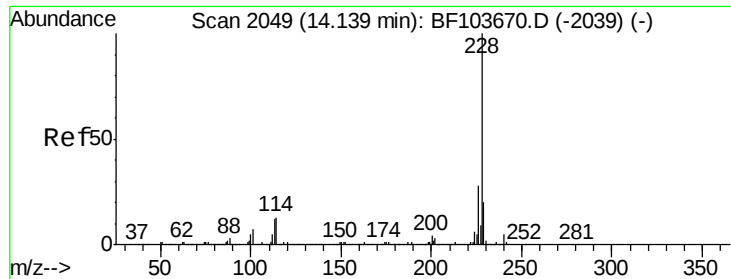
Acq: 19 Mar 2018 21:25

Tgt Ion:	244	Resp:	1024077
Ion Ratio	Lower	Upper	
244	100		
212	6.9	5.4	8.0
122	13.9	11.0	16.4



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





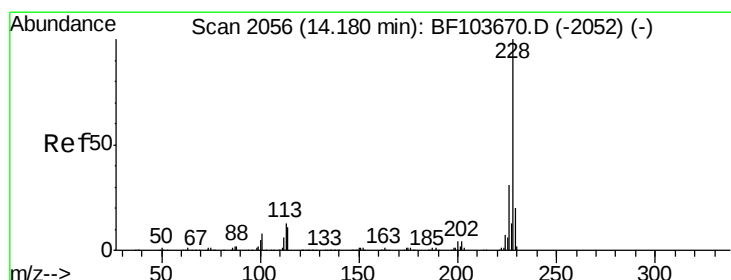
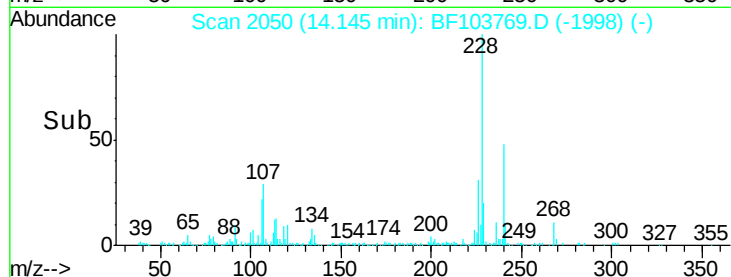
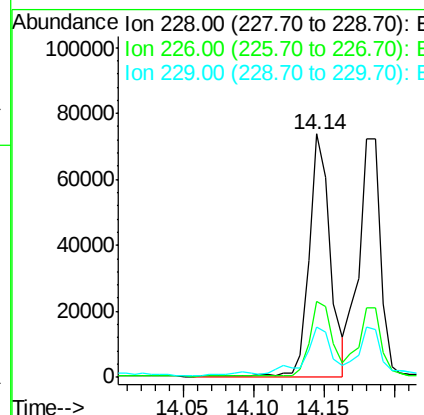
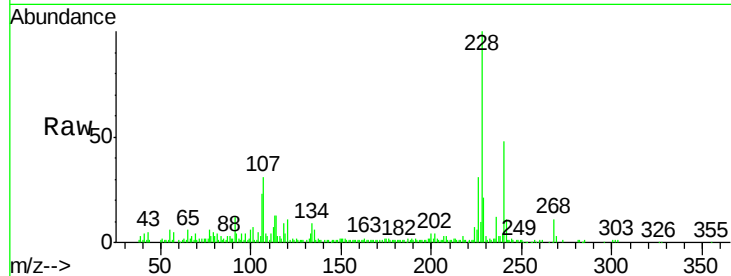
#80
Benzo(a)anthracene
Concen: 3.674 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampled :
S-4 COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	20.7	15.8	23.6

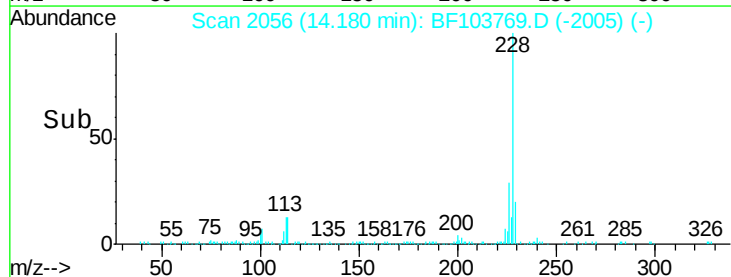
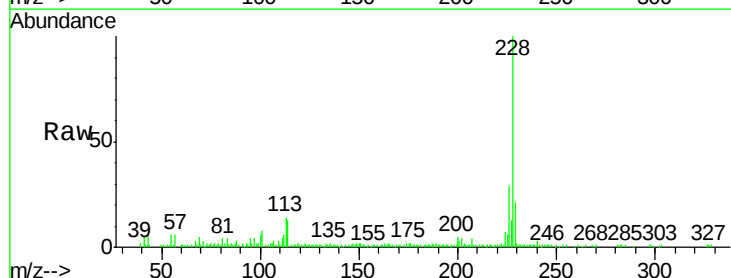
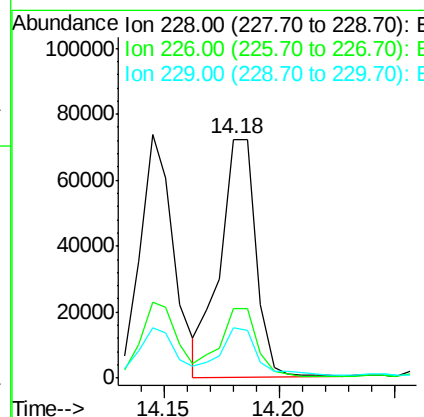
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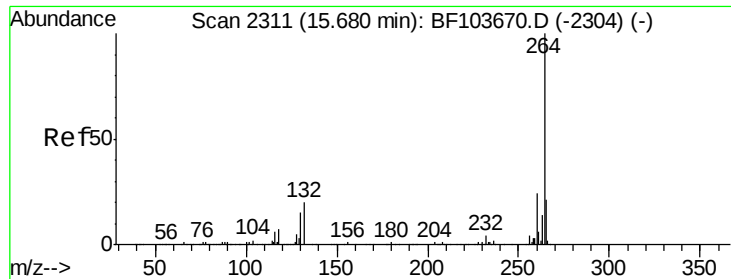
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#82
Chrysene
Concen: 3.900 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.0	37.6
229	20.9	16.2	24.4





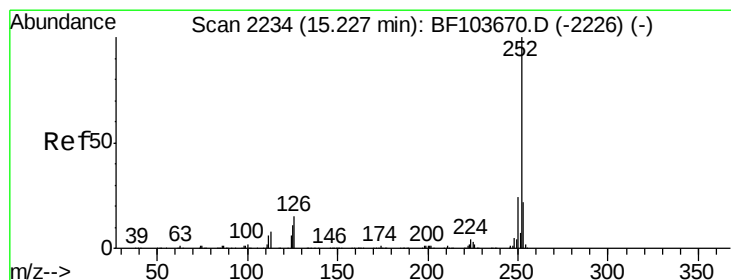
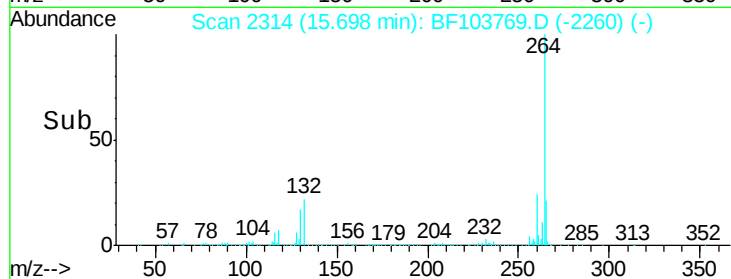
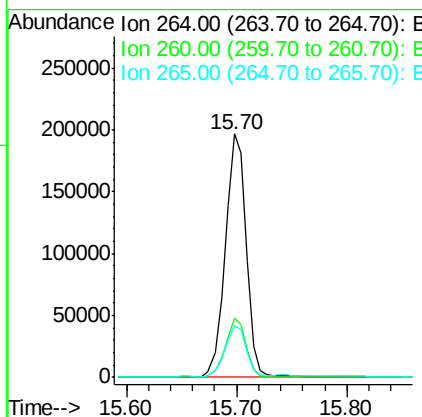
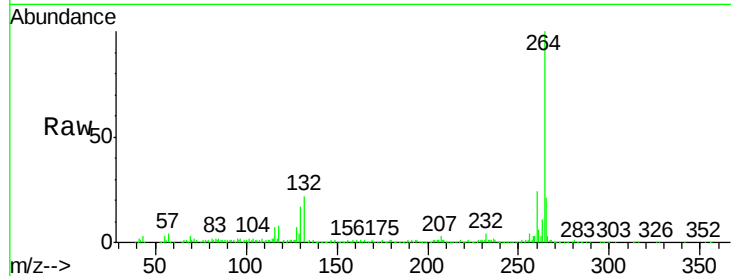
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.02 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampled :
S-4 COMP

Tot Ion	Ratio	Resp	Lower	Upper
264	100	261466		
260	24.2	19.2	28.8	
265	21.4	17.5	26.3	

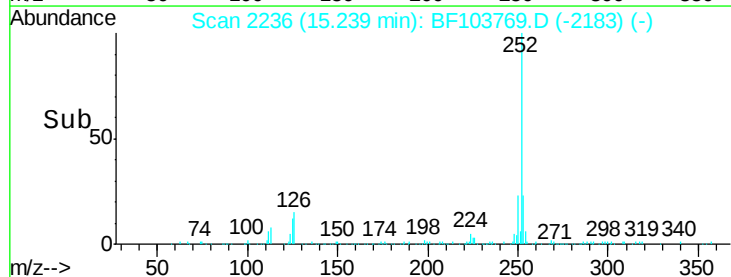
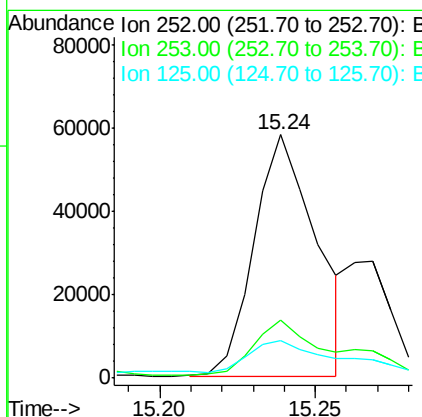
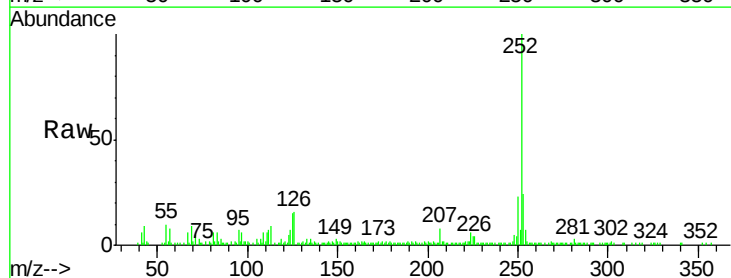
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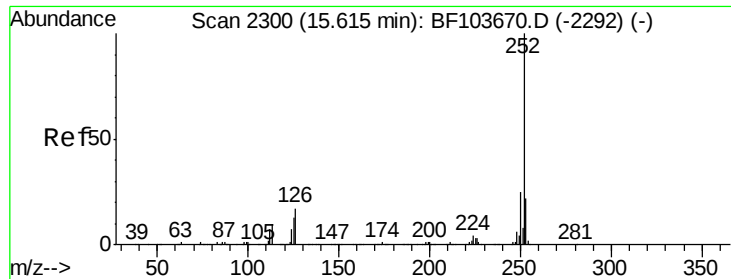
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#87
Benzo(b)fluoranthene
Concen: 4.880 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Resp	Lower	Upper
252	100	80609		
253	24.0	17.0	25.6	
125	15.2	9.0	13.6#	





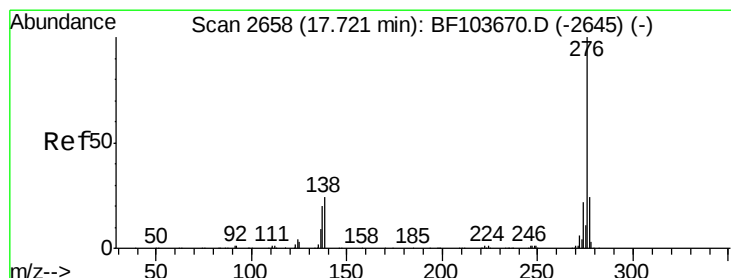
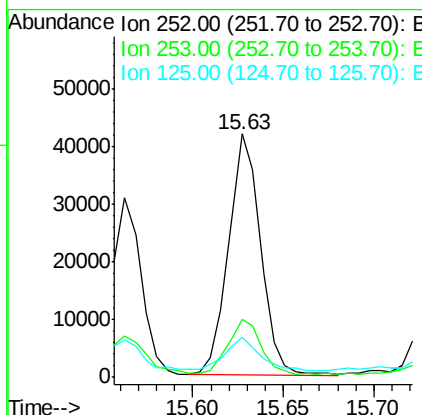
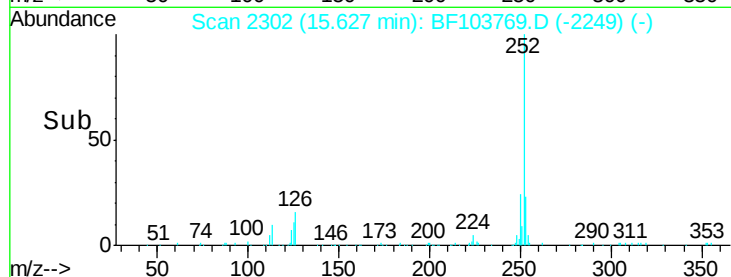
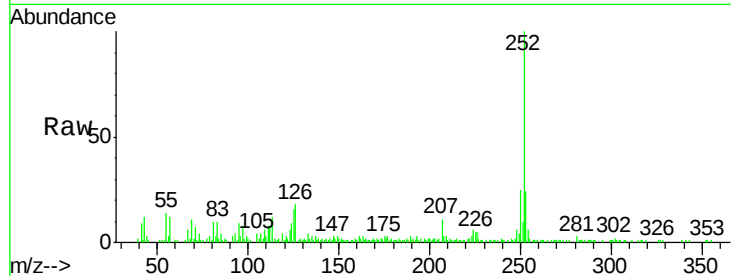
#89
Benzo(a)pyrene
Concen: 3.440 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Instrument :
BNA_F
ClientSampled :
S-4 COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.1	25.7
125	16.5	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.186 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.02 min
Lab File: BF103769.D
Acq: 19 Mar 2018 21:25

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.4	17.9	26.9
138	25.2	21.8	32.8

