

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103768.D
 Acq On : 19 Mar 2018 20:57
 Operator : JU/SJ
 Sample : J1972-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3 COMP

Manual Integrations
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Quant Time: Mar 20 09:44:47 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	176743	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	705193	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	320415	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	522305	20.00	ng	0.01
75) Chrysene-d12	14.16	240	342440	20.00	ng	0.00
86) Perylene-d12	15.70	264	307788	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1451920	124.95	ng	0.02
7) Phenol-d6	6.60	99	1774487	124.82	ng	0.02
23) Nitrobenzene-d5	7.54	82	1116096	110.37	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	393174	142.72	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1604088	79.86	ng	0.00
78) Terphenyl-d14	13.10	244	1245737	84.44	ng	0.01
Target Compounds						
10) Phenol	6.61	94	151967	10.060	ng	98
49) Dimethylphthalate	9.72	163	335187	13.711	ng	99
50) 2,6-Dinitrotoluene	9.79	165	6409	5.227	ng	98
56) 2,4-Dinitrotoluene	10.19	165	25079	9.858	ng	# 92
70) Phenanthrene	11.53	178	76592	2.681	ng	98
74) Fluoranthene	12.72	202	167374	5.686	ng	99
77) Pyrene	12.96	202	146856	5.840	ng	99
80) Benzo(a)anthracene	14.14	228	71484	3.298	ng	97
82) Chrysene	14.19	228	76328	3.694	ng	97
85) Indeno(1,2,3-cd)pyrene	17.27	276	42518	2.356	ng	95
87) Benzo(b)fluoranthene	15.24	252	97738m	5.026	ng	
88) Benzo(k)fluoranthene	15.27	252	39570m	2.117	ng	
89) Benzo(a)pyrene	15.63	252	66599	3.776	ng	# 94
91) Benzo(a,h,i)perylene	17.75	276	43484	2.927	ng	98

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

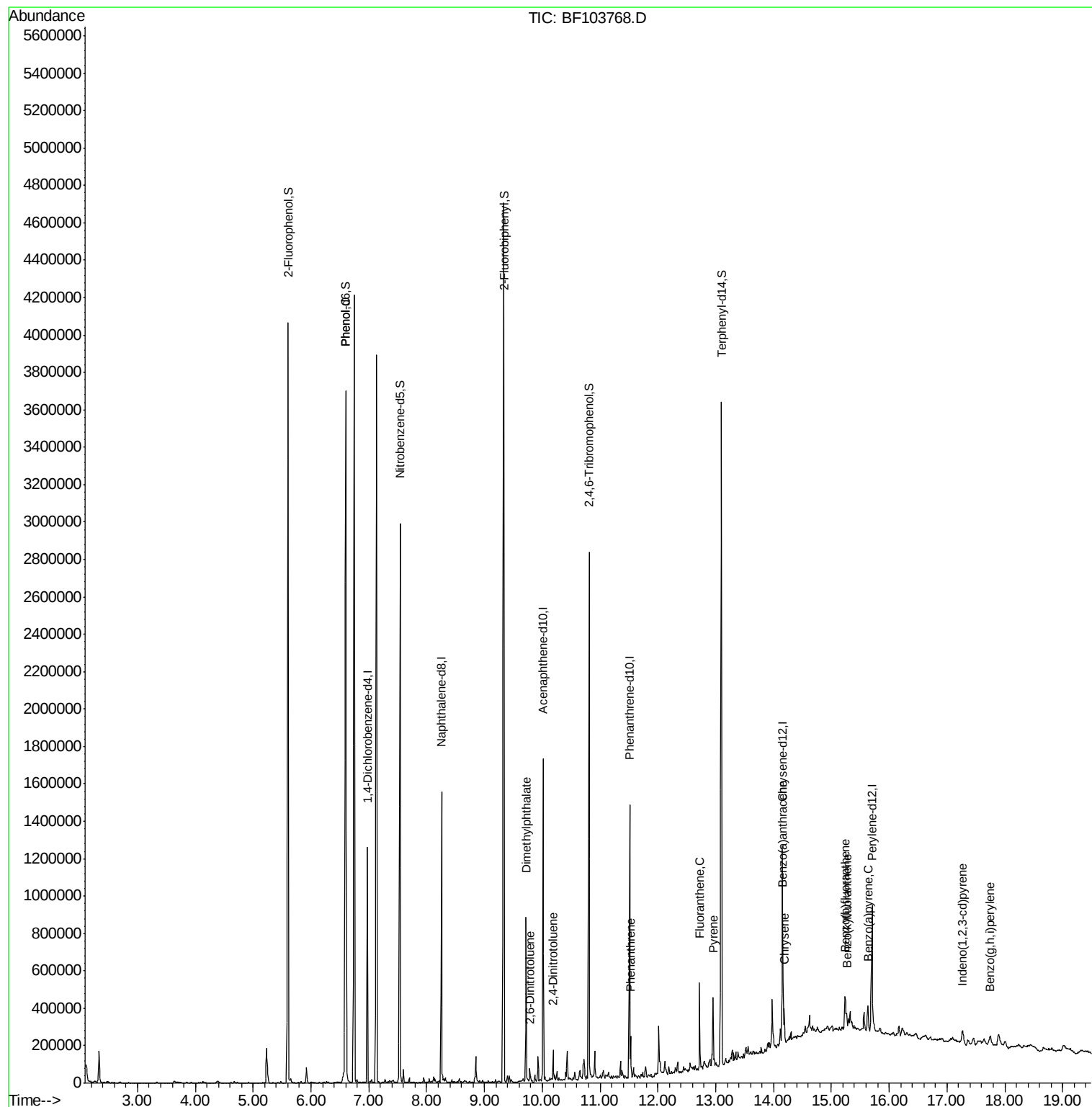
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
Data File : BF103768.D
Acq On : 19 Mar 2018 20:57
Operator : JU/SJ
Sample : J1972-06
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ALS Vial : 11 Sample Multiplier: 1

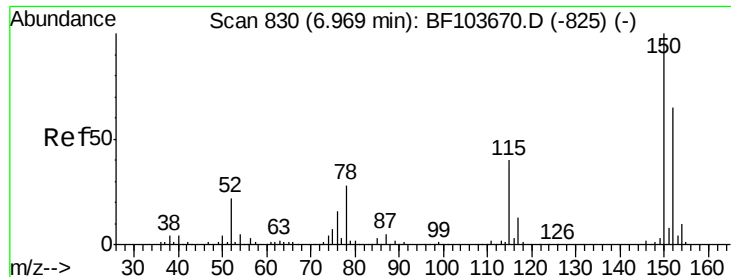
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#1

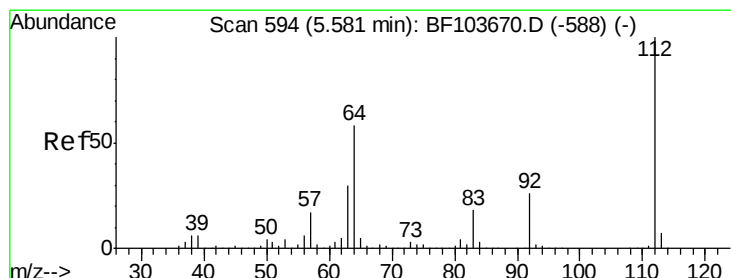
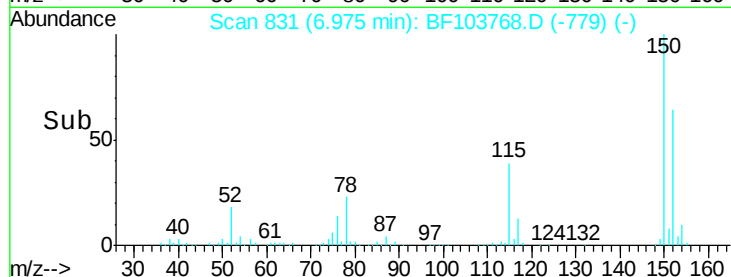
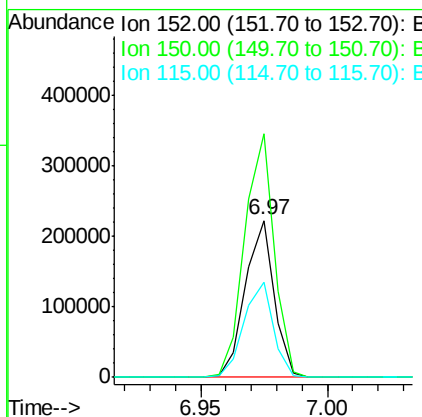
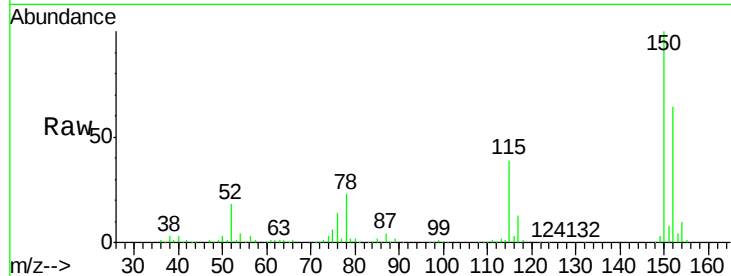
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	60.4	50.1	75.1

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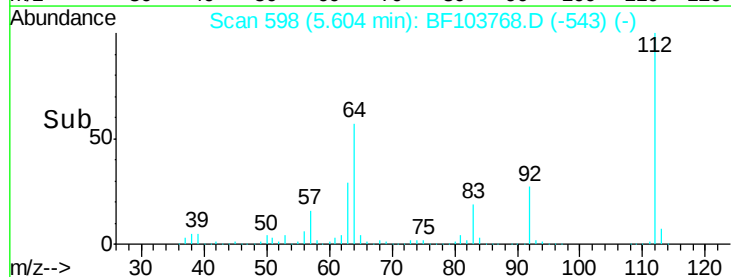
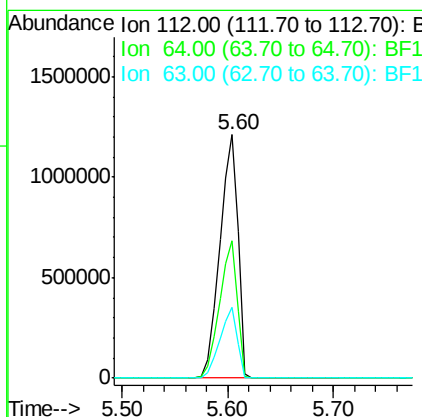
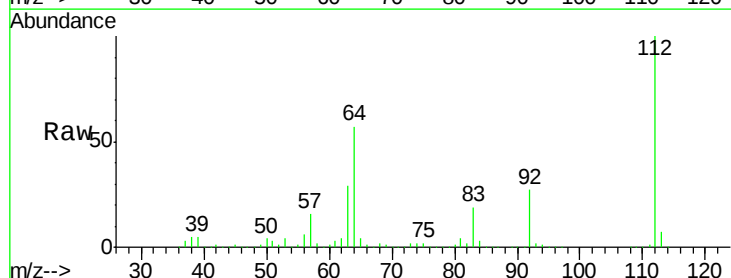
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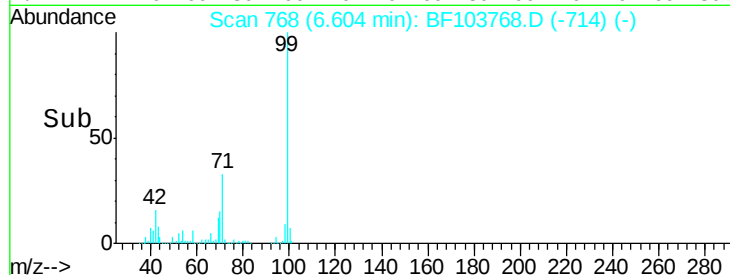
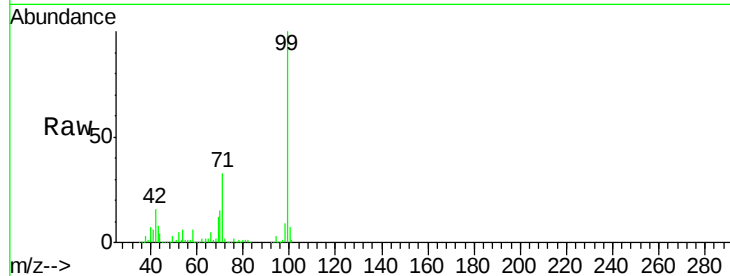
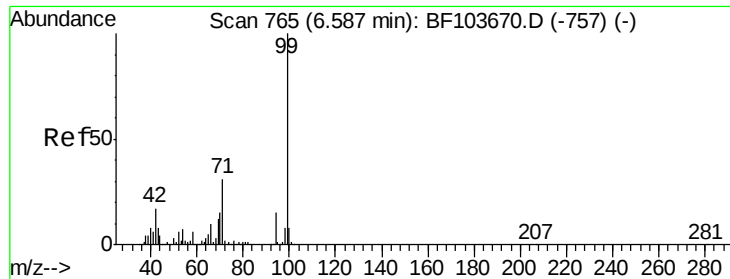


#5

2-Fluorophenol
Concen: 124.948 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.02 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.9	71.9
63	28.9	23.7	35.5





#7

Phenol-d6

Concen: 124.819 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.02 min

Lab File: BF103768.D

Acq: 19 Mar 2018 20:57

Tot Ion:	99	Resp:	1774487
Ion	Ratio	Lower	Upper
99	100		
42	15.5	14.5	21.7
71	32.7	25.4	38.0

Instrument :

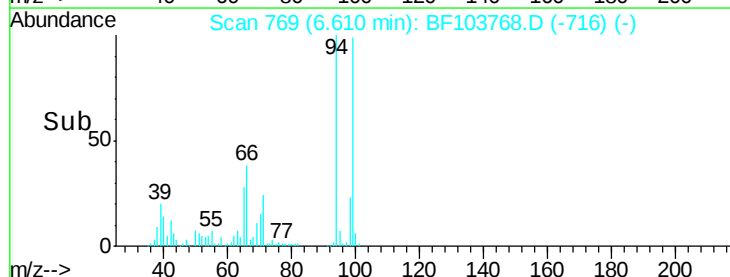
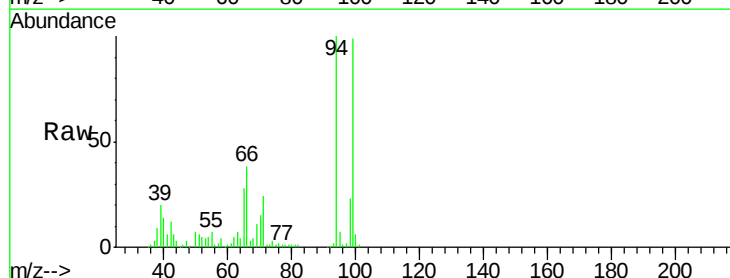
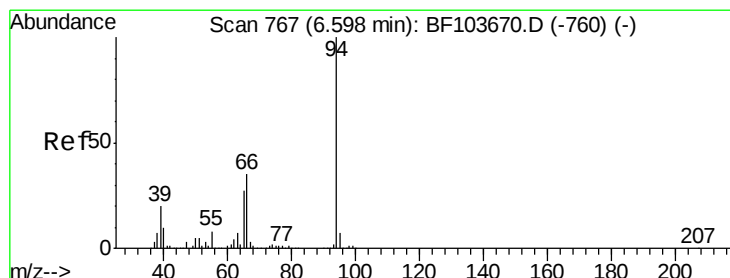
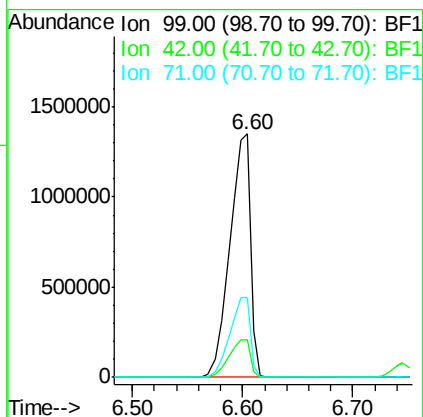
BNA_F

ClientSampled :

S-3 COMP

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#10

Phenol

Concen: 10.060 ng

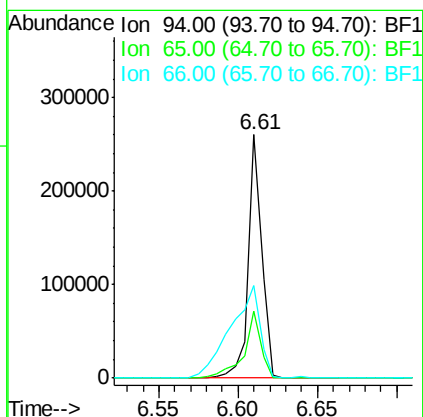
RT: 6.61 min Scan# 769

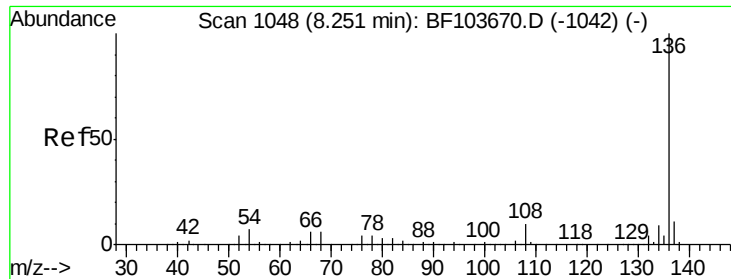
Delta R.T. 0.01 min

Lab File: BF103768.D

Acq: 19 Mar 2018 20:57

Tgt Ion:	94	Resp:	151967
Ion	Ratio	Lower	Upper
94	100		
65	27.5	7.9	47.9
66	38.1	16.2	56.2





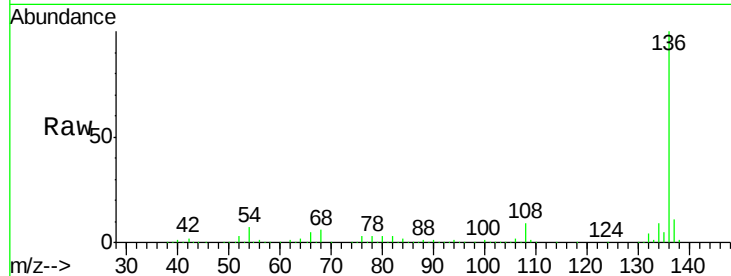
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

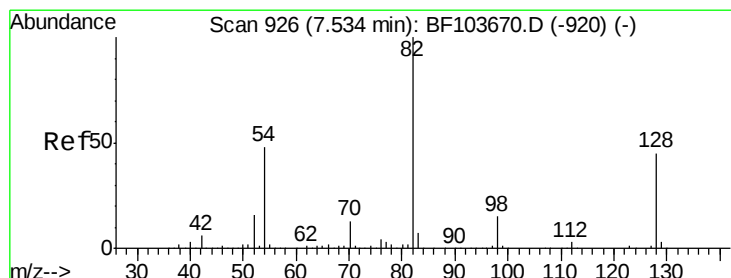
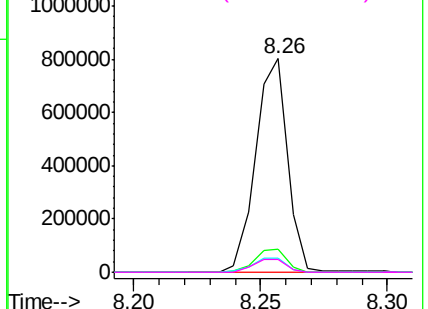
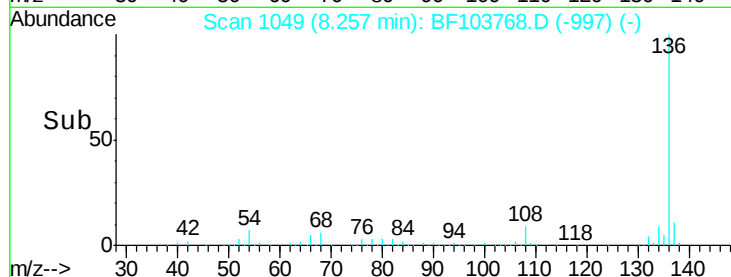
Tot Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.6	6.6	9.8
68	6.1	5.0	7.4

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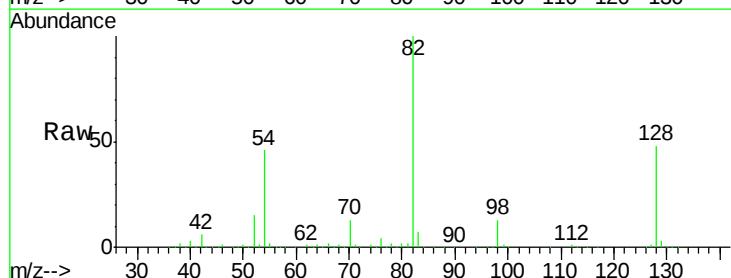


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

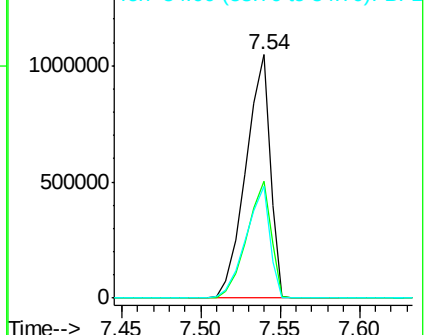
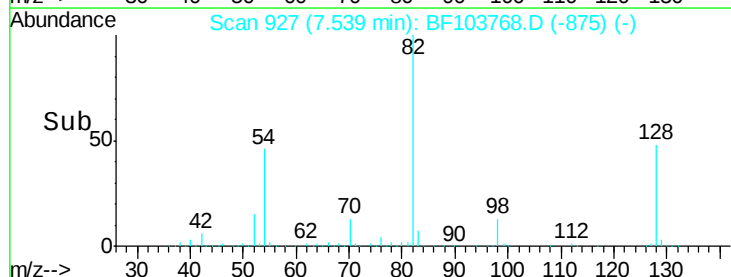


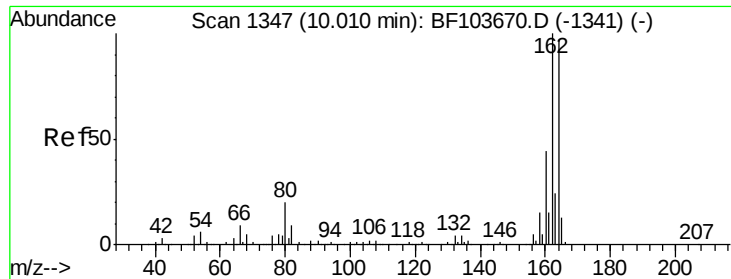
#23
Nitrobenzene-d5
Concen: 110.370 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Lower	Upper
82	100		
128	47.9	36.1	54.1
54	45.7	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





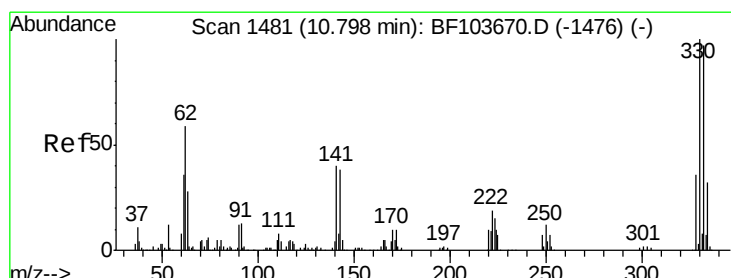
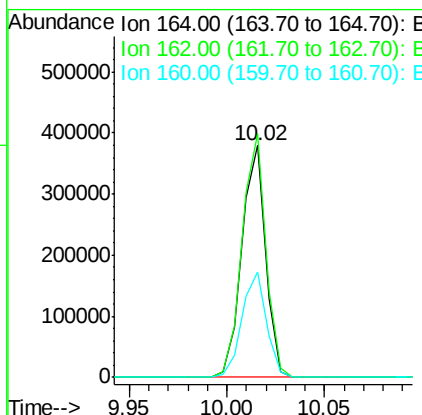
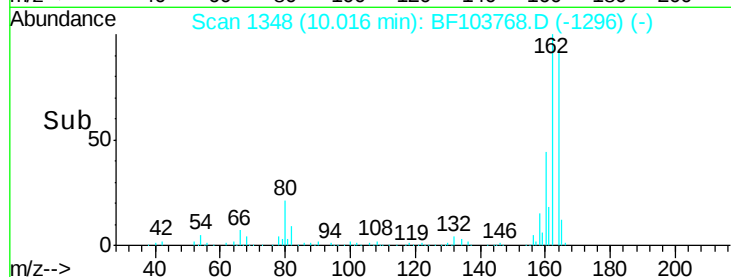
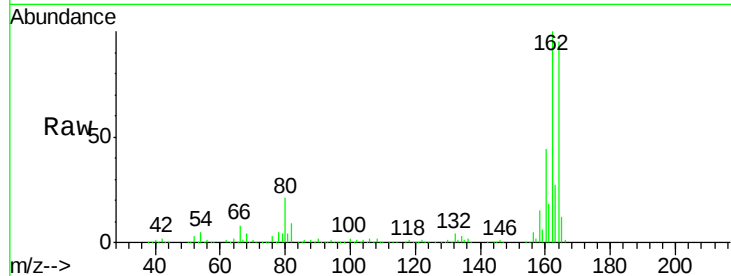
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampled :
S-3 COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	104.9	86.1	129.1	
160	45.7	38.3	57.5	

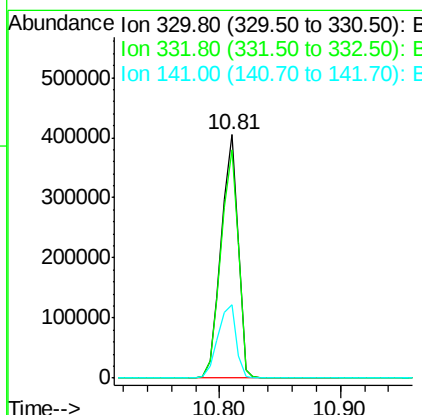
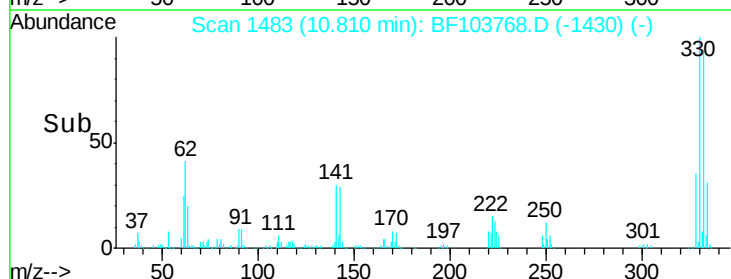
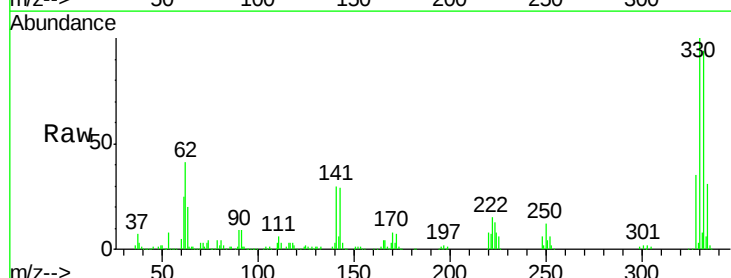
Manual Integrations
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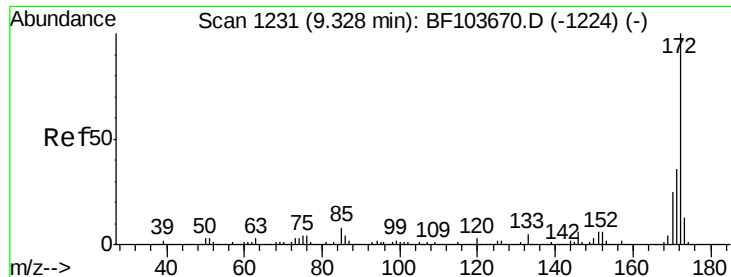
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#41
2,4,6-Tribromophenol
Concen: 142.716 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.9	77.0	115.6	
141	32.3	29.9	44.9	





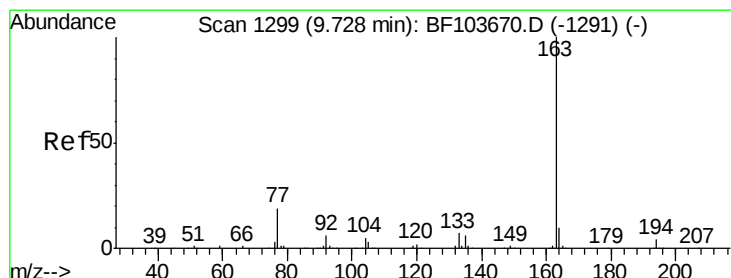
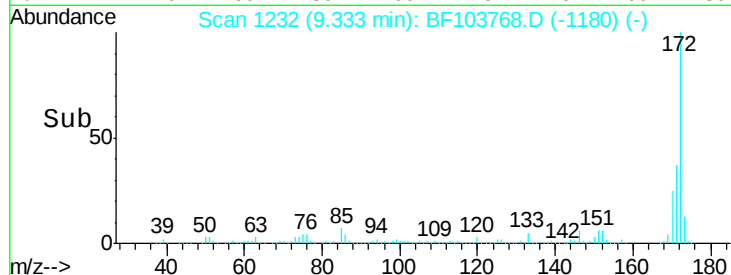
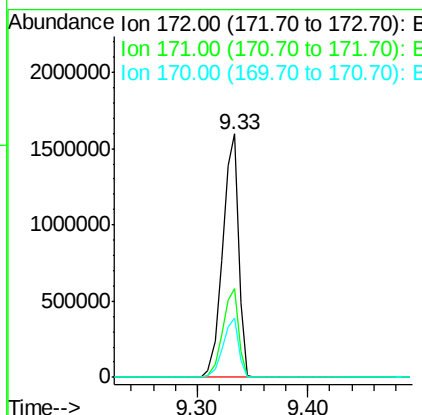
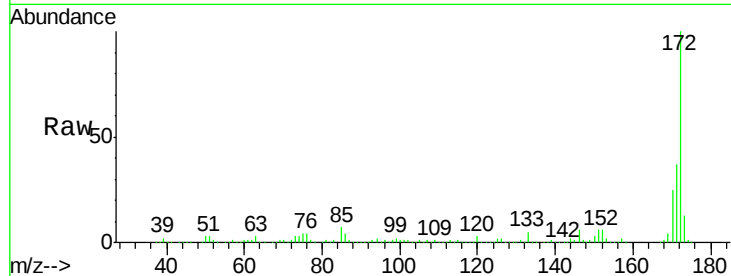
#44
2-Fluorobiphenyl
Concen: 79.858 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

Tot Ion:172 Resp: 1604088
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 24.5 19.6 29.4

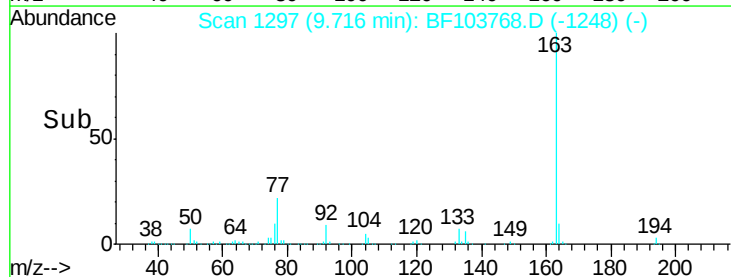
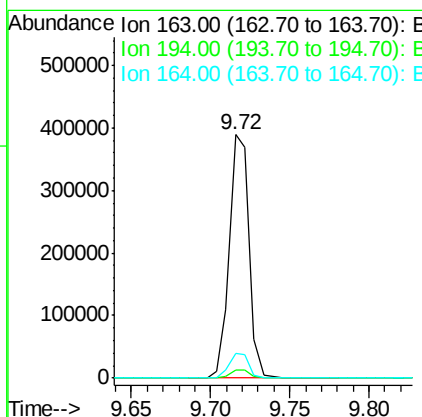
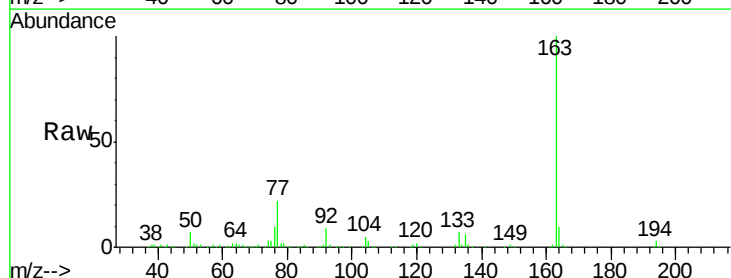
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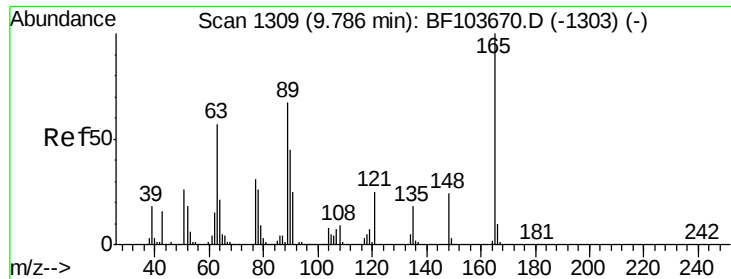
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#49
Dimethylphthalate
Concen: 13.711 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion:163 Resp: 335187
Ion Ratio Lower Upper
163 100
194 3.3 2.7 4.1
164 10.4 8.2 12.2





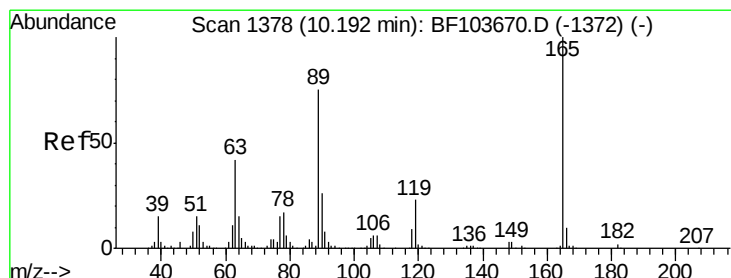
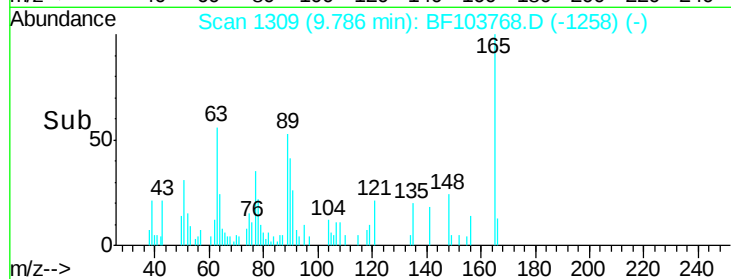
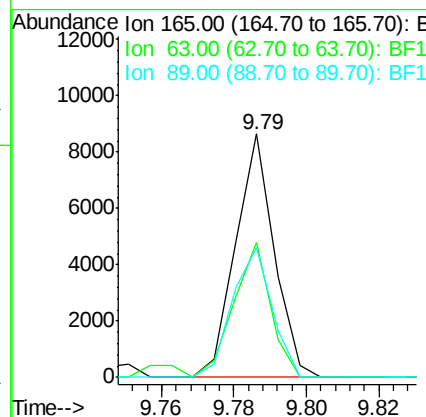
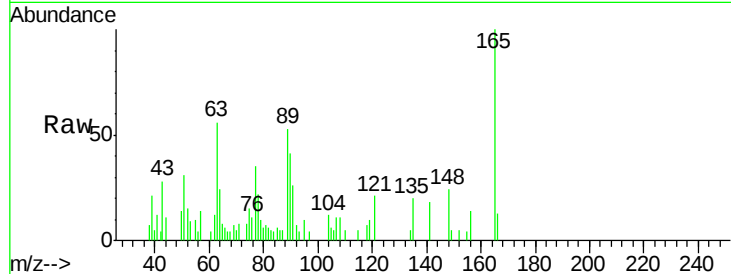
#50
2,6-Dinitrotoluene
Concen: 5.227 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

Tot Ion	Ratio	Resp	Lower	Upper
165	100	6409		
63	55.5	44.7	67.1	
89	53.1	44.0	66.0	

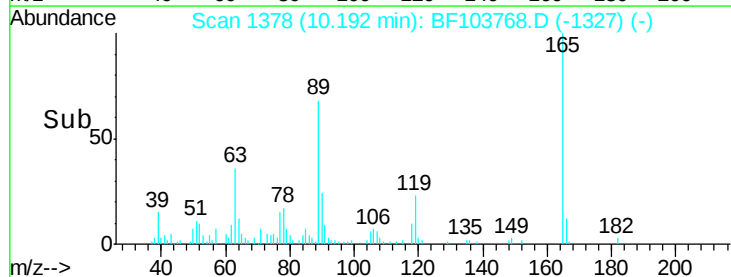
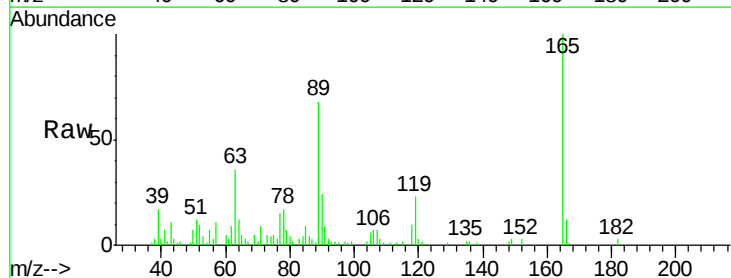
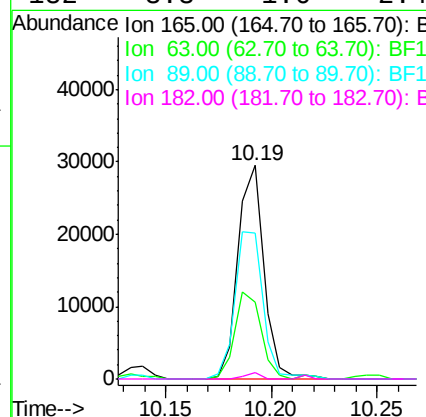
Manual Integrations
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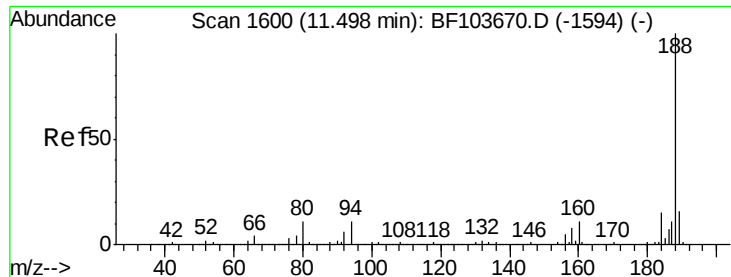
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#56
2,4-Dinitrotoluene
Concen: 9.858 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	25079		
63	35.9	36.4	54.6#	
89	68.3	57.8	86.6	
182	3.3	1.6	2.4#	





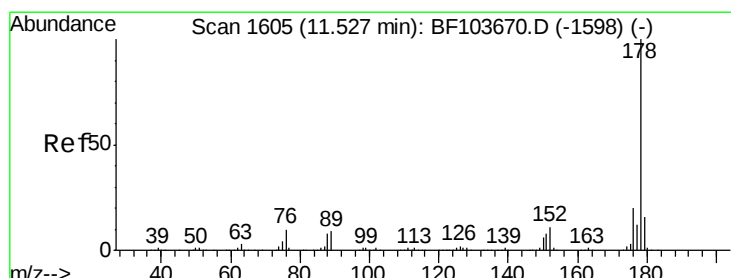
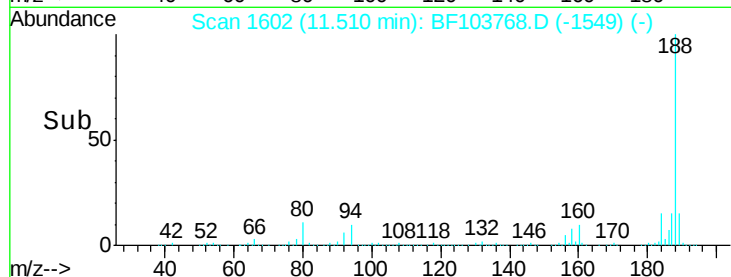
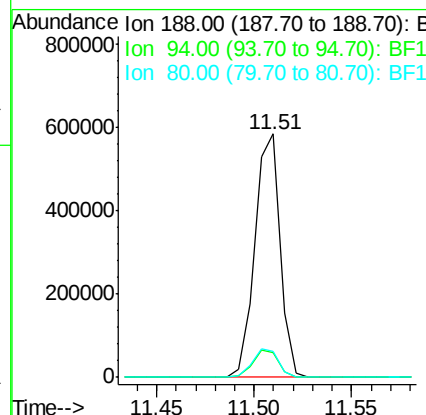
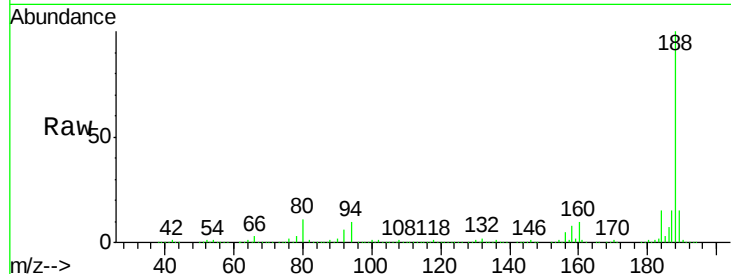
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.0	8.5	12.7
80	10.5	9.2	13.8

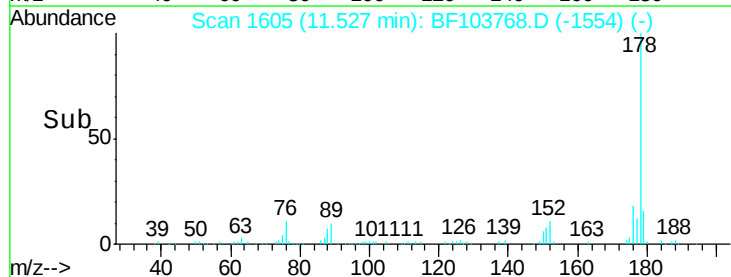
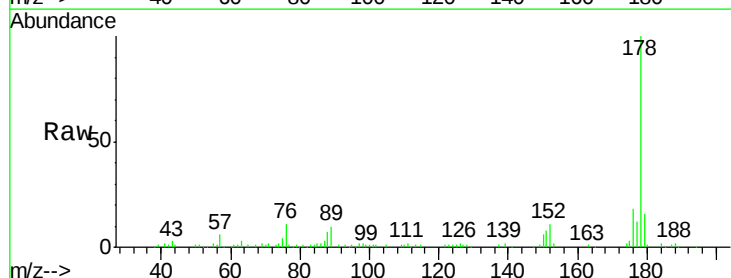
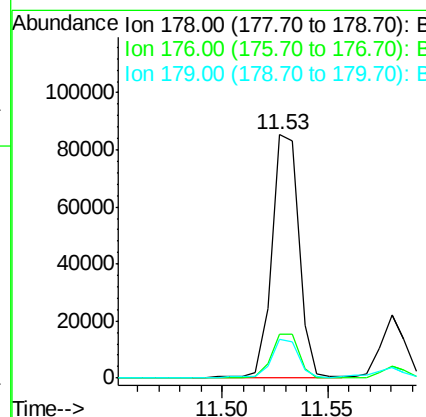
Manual Integrations
APPROVED

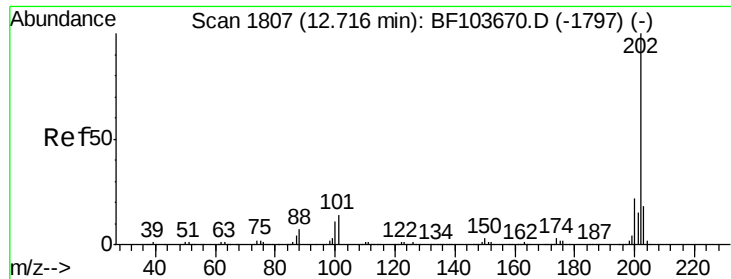
Sohil
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#70
Phenanthrene
Concen: 2.681 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.2	15.8	23.8
179	16.0	13.0	19.6





#74

Fluoranthene

Concen: 5.686 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103768.D

Acq: 19 Mar 2018 20:57

Instrument :

BNA_F

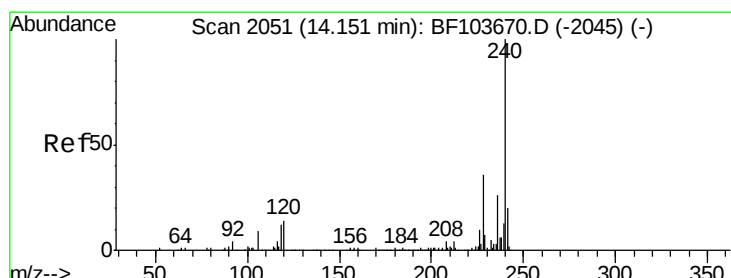
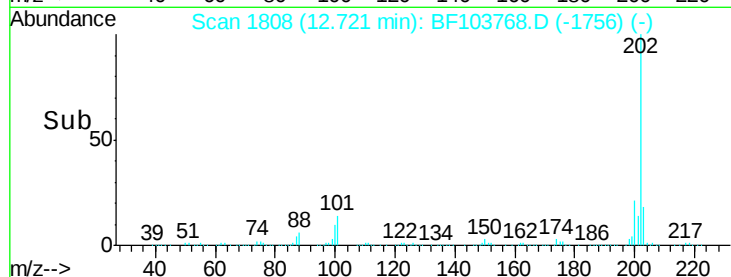
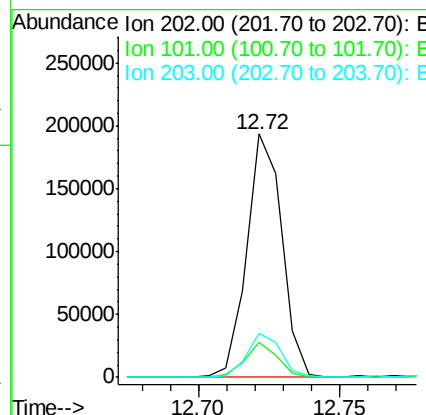
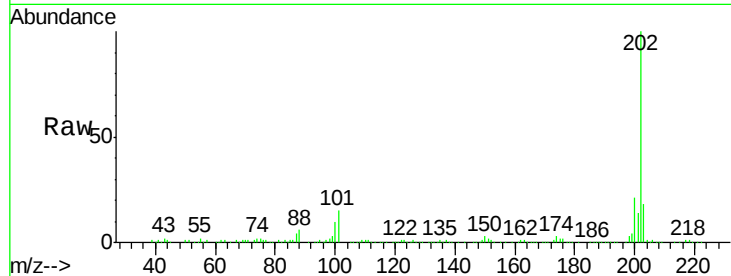
ClientSampled :

S-3 COMP

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.5	0.0	34.1
203	18.0	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

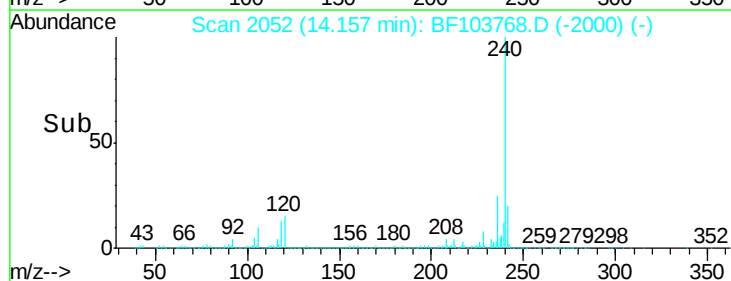
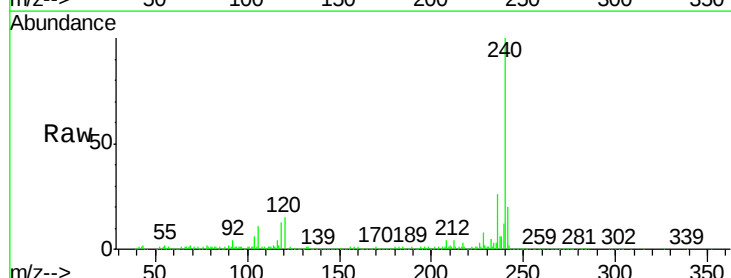
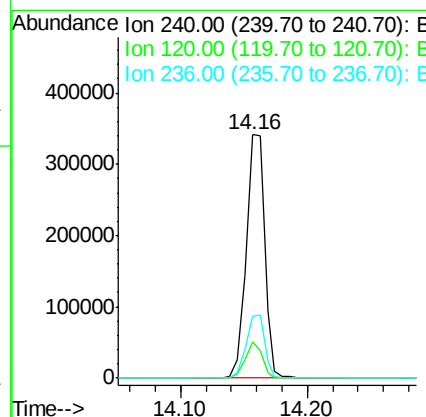
RT: 14.16 min Scan# 2052

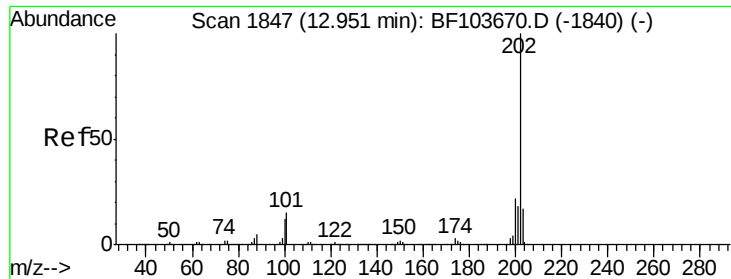
Delta R.T. 0.01 min

Lab File: BF103768.D

Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	25.6	20.7	31.1





#77

Pvrene

Concen: 5.840 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103768.D

Acq: 19 Mar 2018 20:57

Instrument :

BNA_F

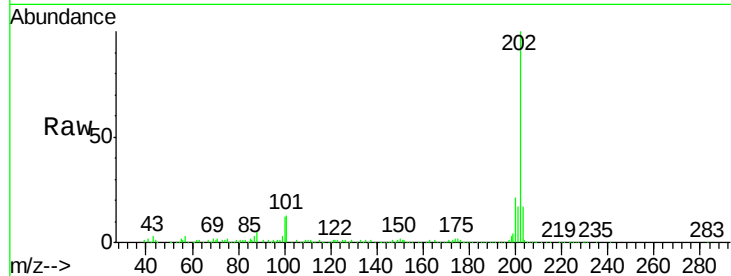
ClientSampleId :

S-3 COMP

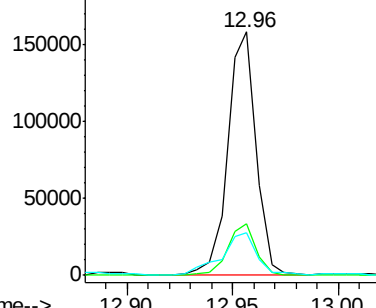
Tot Ion:	202	Resp:	146856
Ion Ratio		Lower	Upper
202	100		
200	21.3	17.4	26.2
203	17.4	14.3	21.5

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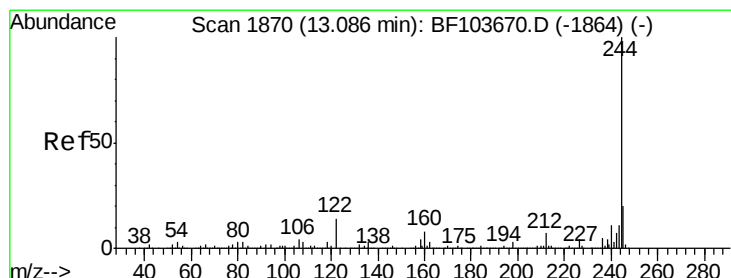
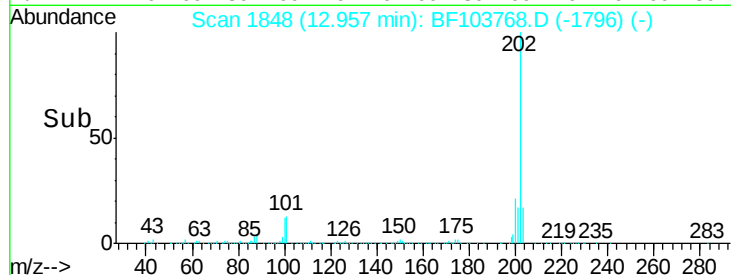
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



Time-->



#78

Terphenyl-d14

Concen: 84.439 ng

RT: 13.10 min Scan# 1872

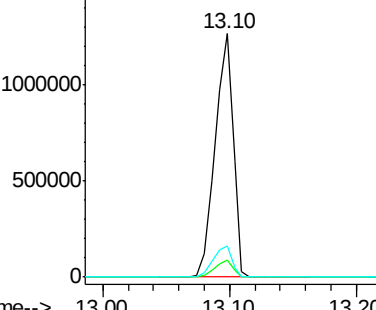
Delta R.T. 0.01 min

Lab File: BF103768.D

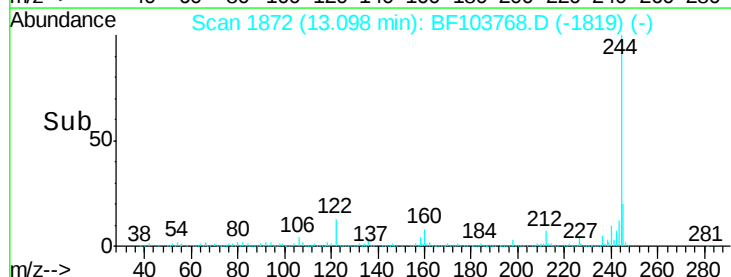
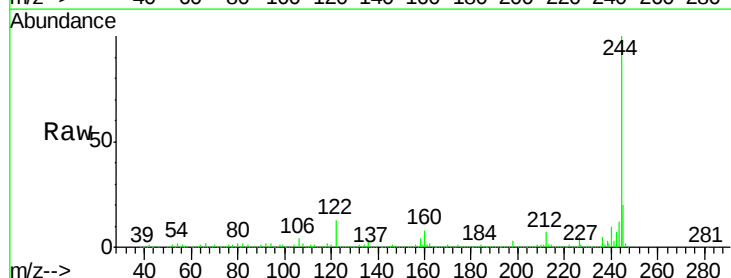
Acq: 19 Mar 2018 20:57

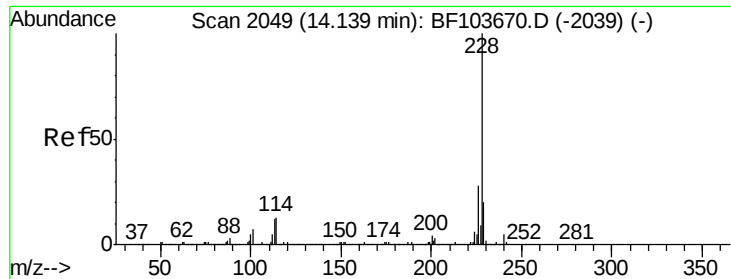
Tgt Ion:	244	Resp:	1245737
Ion Ratio		Lower	Upper
244	100		
212	7.2	5.4	8.0
122	12.7	11.0	16.4

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



Time-->





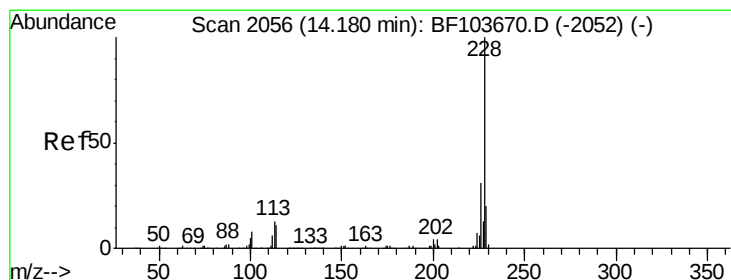
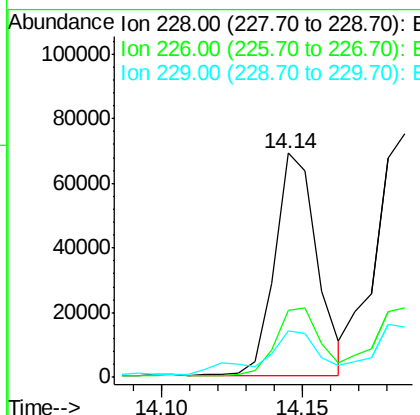
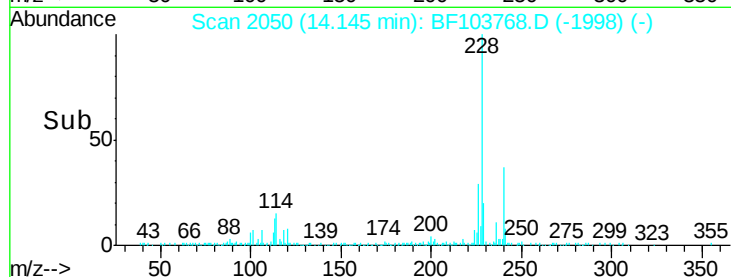
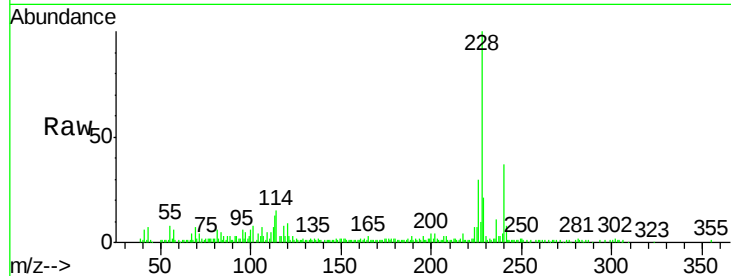
#80
Benzo(a)anthracene
Concen: 3.298 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.1	22.6	33.8
229	20.9	15.8	23.6

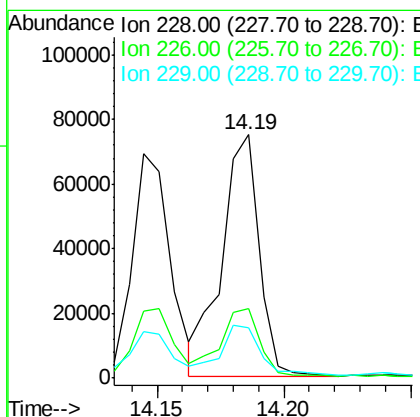
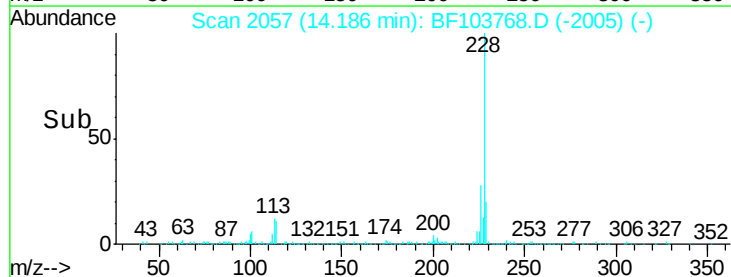
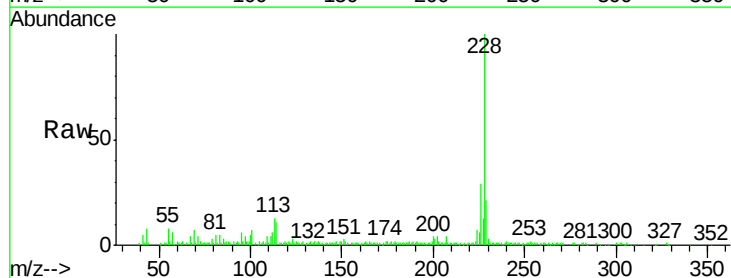
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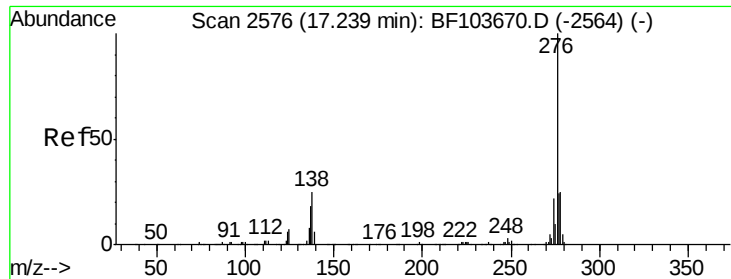
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#82
Chrysene
Concen: 3.694 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.01 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.6	25.0	37.6
229	20.8	16.2	24.4





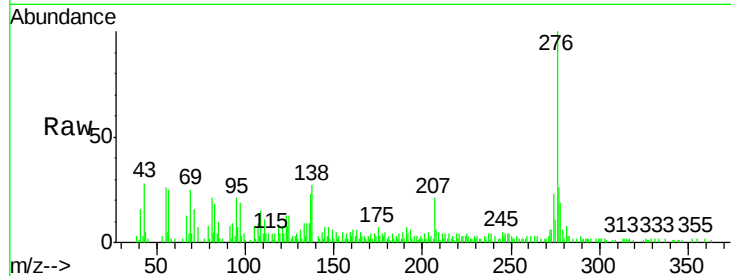
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.356 ng
RT: 17.27 min Scan# 2581
Delta R.T. 0.03 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

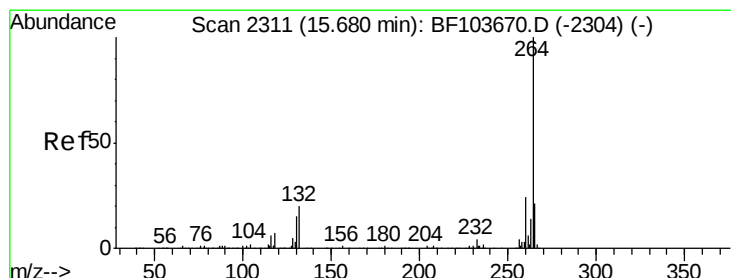
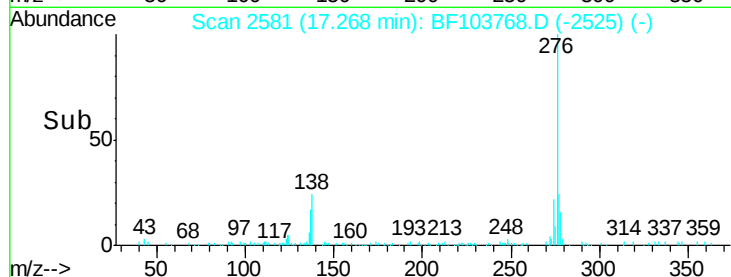
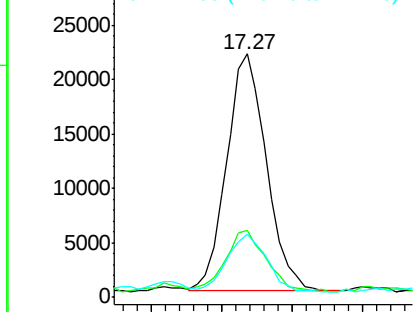
Tot Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	24.6	20.1	30.1

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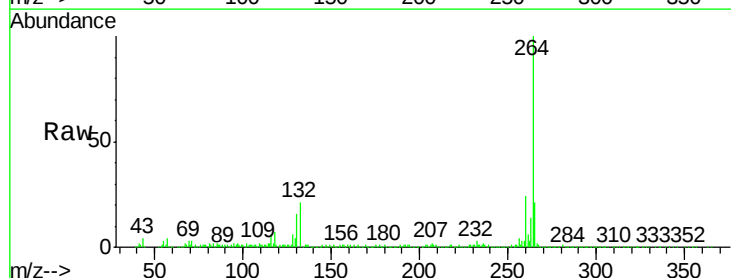


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

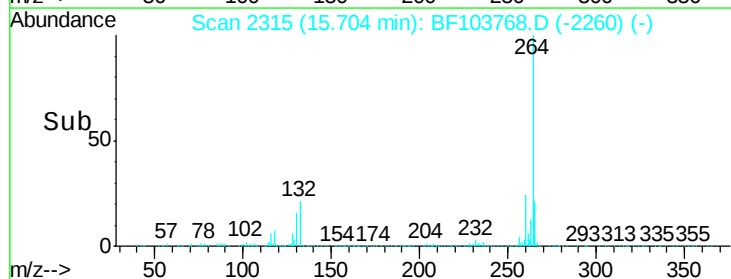
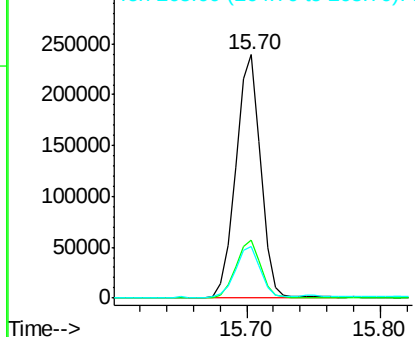


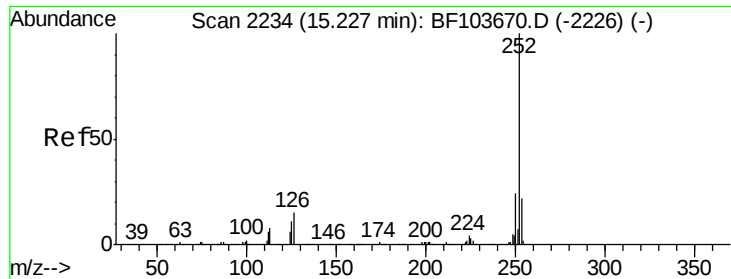
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.02 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.4	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 5.026 ng m

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF103768.D

Acq: 19 Mar 2018 20:57

Instrument :

BNA_F

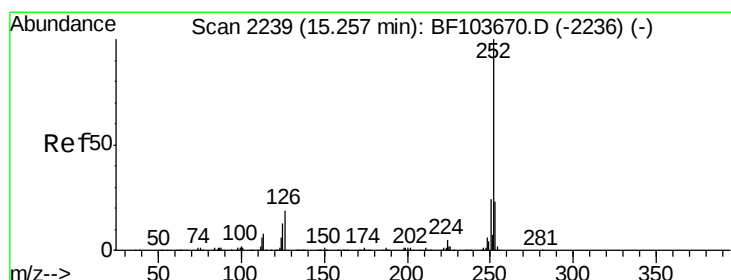
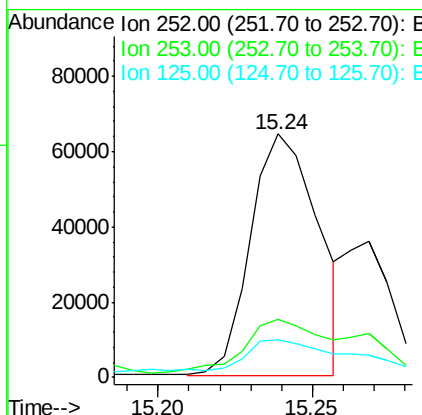
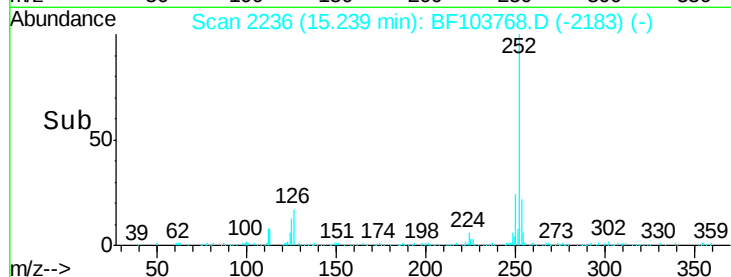
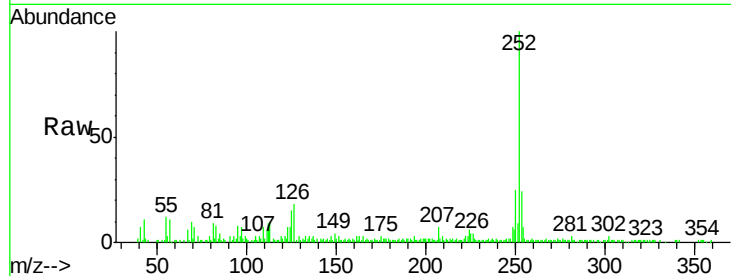
ClientSampleId :

S-3 COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	15.4	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 2.117 ng m

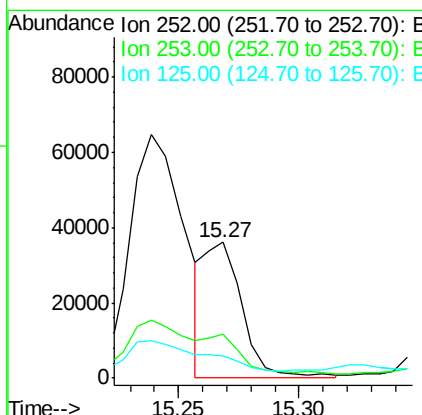
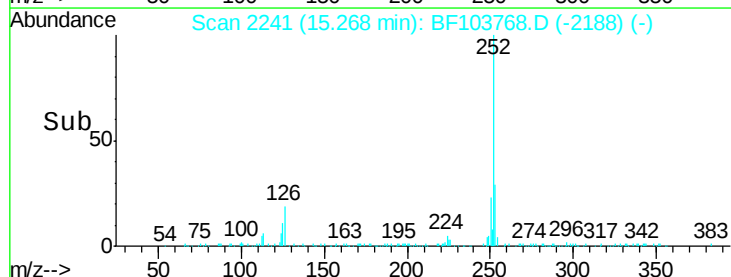
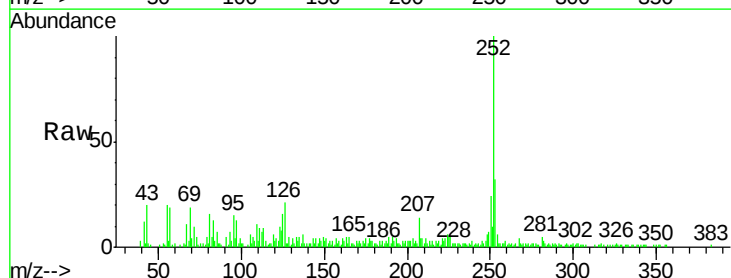
RT: 15.27 min Scan# 2241

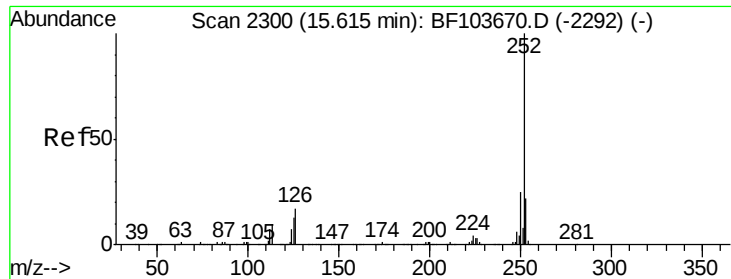
Delta R.T. 0.01 min

Lab File: BF103768.D

Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.9	26.9
125	16.3	10.2	15.2





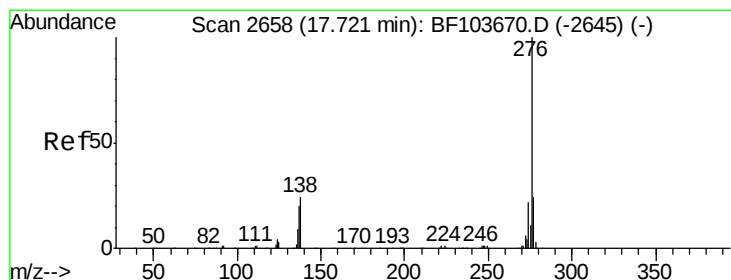
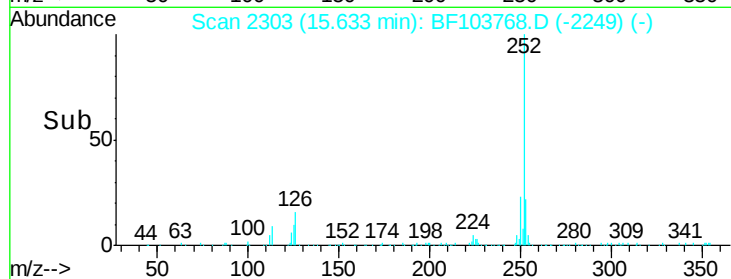
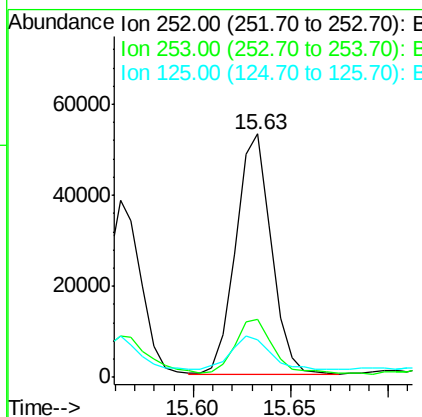
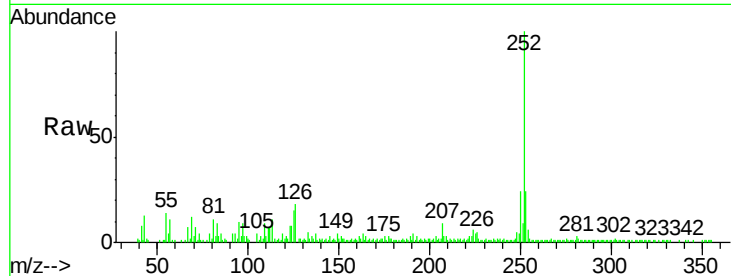
#89
Benzo(a)pyrene
Concen: 3.776 ng
RT: 15.63 min Scan# 2303
Delta R.T. 0.02 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Instrument :
BNA_F
ClientSampleId :
S-3 COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	15.3	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 2.927 ng
RT: 17.75 min Scan# 2663
Delta R.T. 0.03 min
Lab File: BF103768.D
Acq: 19 Mar 2018 20:57

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	28.1	21.8	32.8

