

Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
 Data File : BF103773.D
 Acq On : 19 Mar 2018 23:12
 Operator : JU/SJ
 Sample : J1972-02
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-1 COMP

Manual Integrations
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Quant Time: Mar 20 02:14:05 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	154664	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	593804	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	243376	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	369857	20.00	ng	0.00
75) Chrysene-d12	14.16	240	294344	20.00	ng	0.00
86) Perylene-d12	15.70	264	230917	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	1253894	123.31	ng	0.02
7) Phenol-d6	6.60	99	1530990	123.06	ng	0.01
23) Nitrobenzene-d5	7.54	82	948310	111.37	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	283303	135.39	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1348767	88.40	ng	0.00
78) Terphenyl-d14	13.09	244	969686	76.47	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.61	94	33539	2.537	ng	93
49) Dimethylphthalate	9.72	163	155736	8.387	ng	99
50) 2,6-Dinitrotoluene	9.79	165	983	4.235	ng	# 91
56) 2,4-Dinitrotoluene	10.19	165	1304	6.463	ng	# 89
70) Phenanthrene	11.53	178	96776	4.783	ng	99
74) Fluoranthene	12.72	202	175890	8.439	ng	99
77) Pyrene	12.95	202	174451	8.070	ng	98
80) Benzo(a)anthracene	14.14	228	114767	6.160	ng	97
82) Chrysene	14.18	228	125500	7.066	ng	99
85) Indeno(1,2,3-cd)pyrene	17.26	276	60573	3.905	ng	94
87) Benzo(b)fluoranthene	15.24	252	142811m	9.789	ng	
88) Benzo(k)fluoranthene	15.26	252	44612m	3.181	ng	
89) Benzo(a)pyrene	15.63	252	102774	7.767	ng	95
91) Benzo(a,h,i)perylene	17.74	276	63831	5.727	ng	97

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

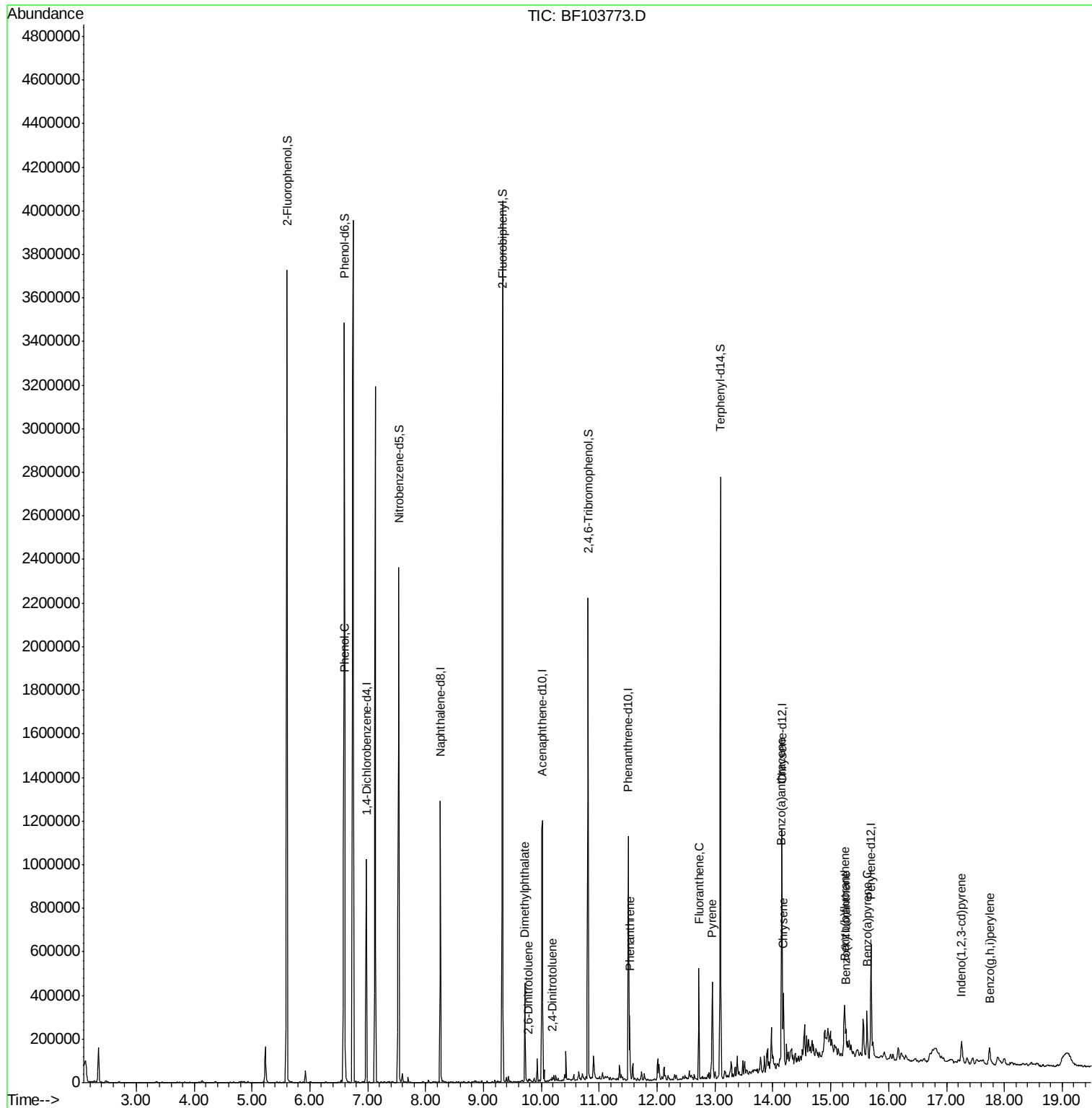
Data Path : Z:\HPCHEM1\BNA F\DATA\BF031918\
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ALS Vial : 16 Sample Multiplier: 1

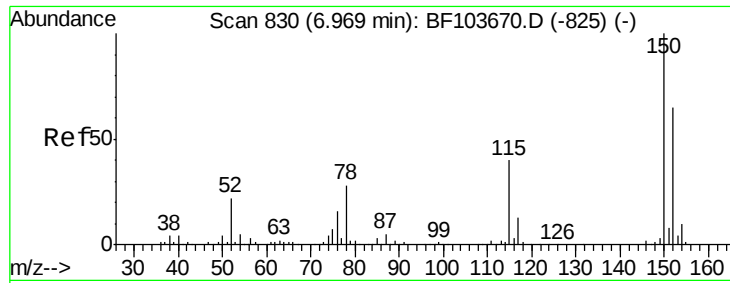
Instrument :
BNA_F
ClientSampled :
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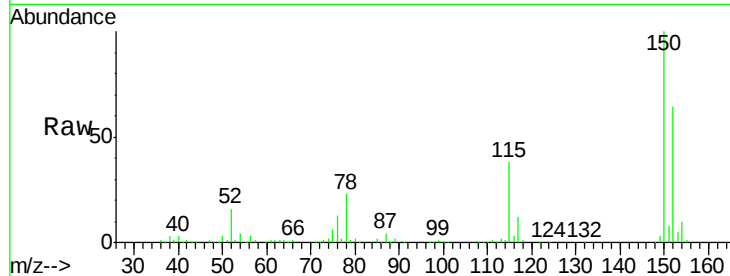
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 831
 Delta R.T. 0.01 min
 Lab File: BF103773.D
 Acq: 19 Mar 2018 23:12

Instrument :
 BNA_F
 ClientSampleId :
 S-1 COMP

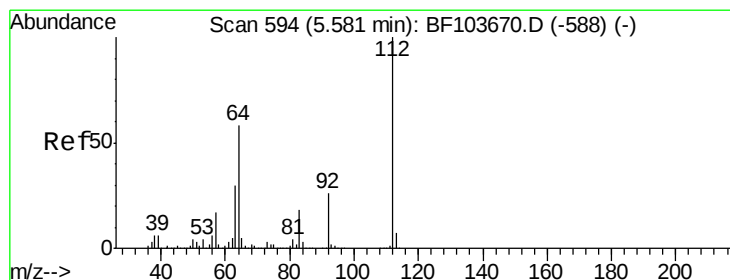
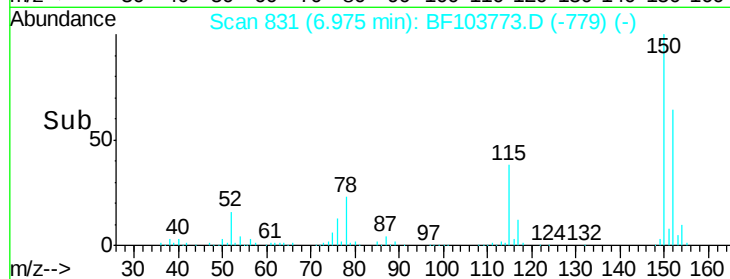
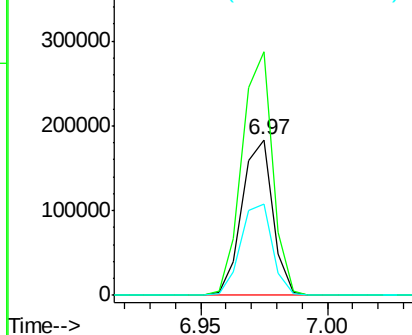
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.2	124.6	186.8
115	59.0	50.1	75.1

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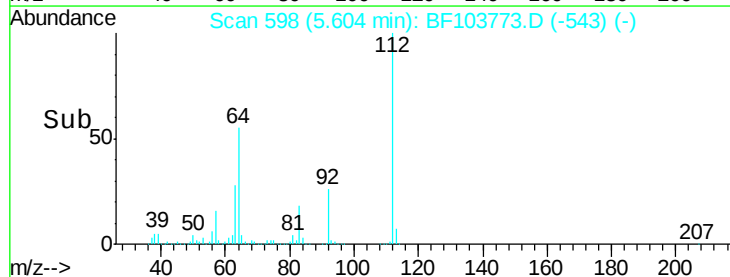
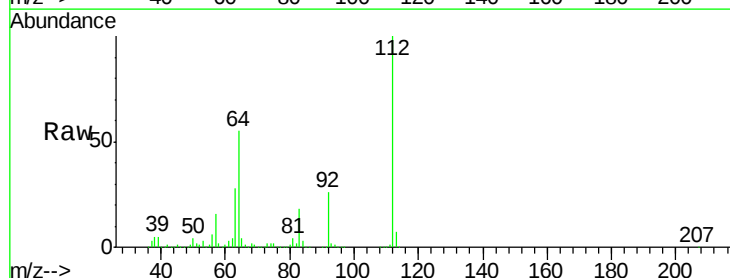
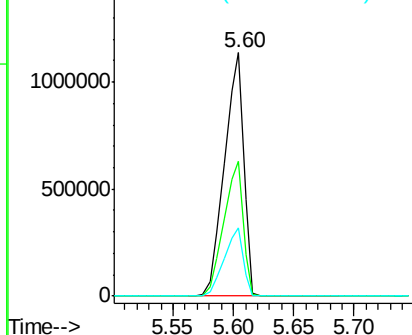
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

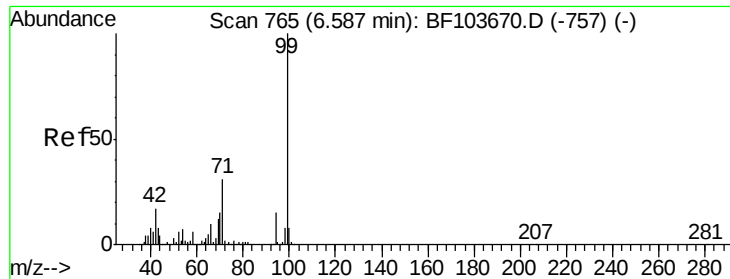


#5
 2-Fluorophenol
 Concen: 123.310 ng
 RT: 5.60 min Scan# 598
 Delta R.T. 0.02 min
 Lab File: BF103773.D
 Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.1	47.9	71.9
63	27.8	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: 123.064 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.01 min

Lab File: BF103773.D

Acq: 19 Mar 2018 23:12

Instrument :

BNA_F

ClientSampleId :

S-1 COMP

Tot Ion: 99 Resp: 1530990

Ion Ratio Lower Upper

99 100

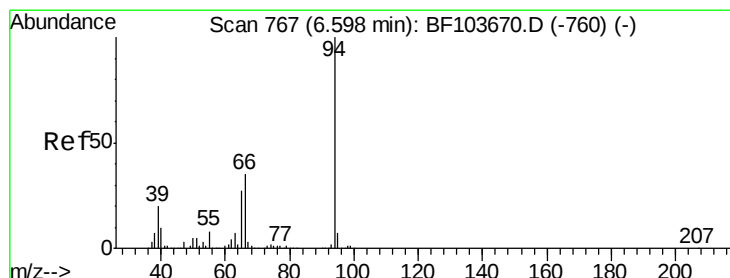
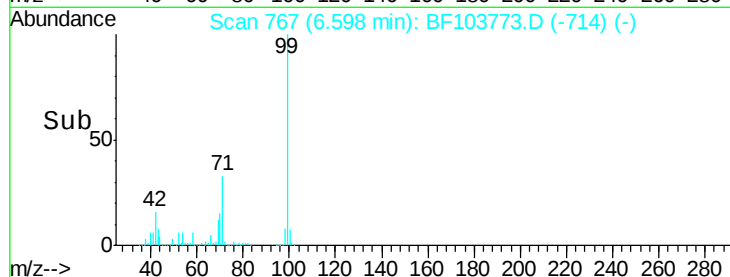
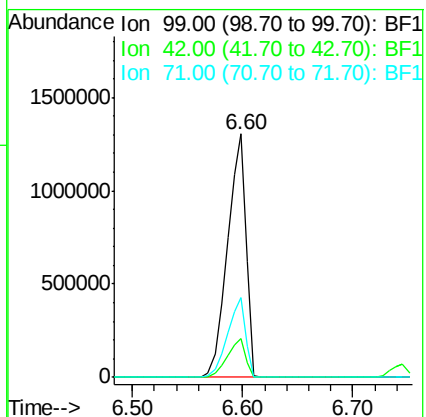
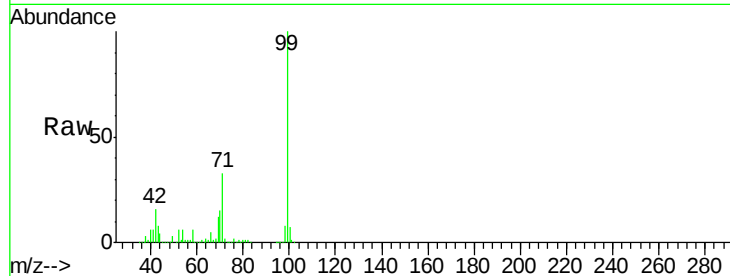
42 15.9 14.5 21.7

71 33.0 25.4 38.0

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#10

Phenol

Concen: 2.537 ng

RT: 6.61 min Scan# 769

Delta R.T. 0.01 min

Lab File: BF103773.D

Acq: 19 Mar 2018 23:12

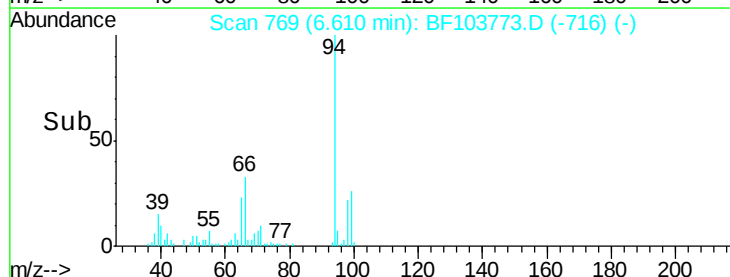
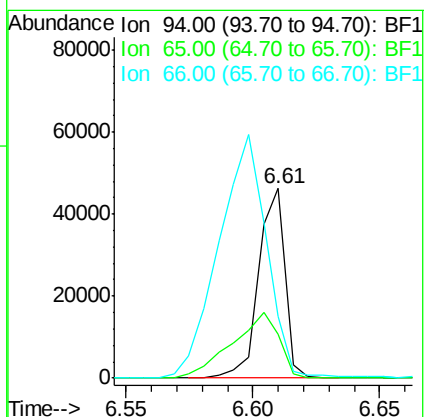
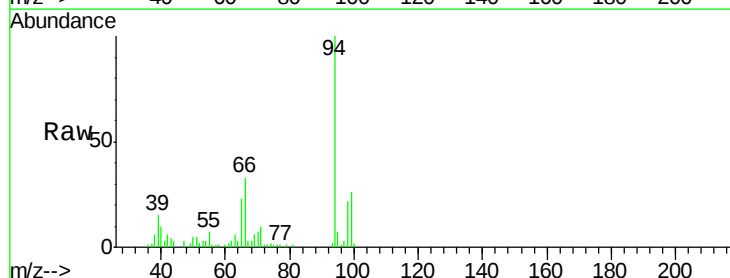
Tgt Ion: 94 Resp: 33539

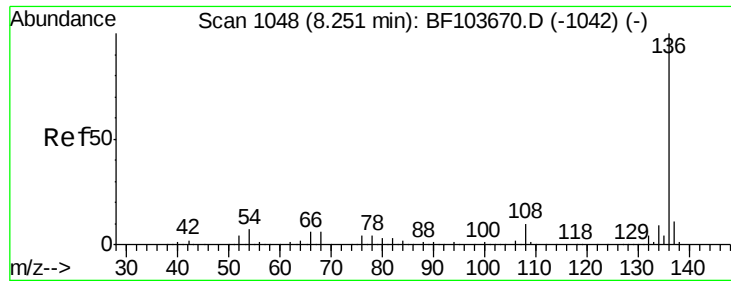
Ion Ratio Lower Upper

94 100

65 23.0 7.9 47.9

66 32.6 16.2 56.2





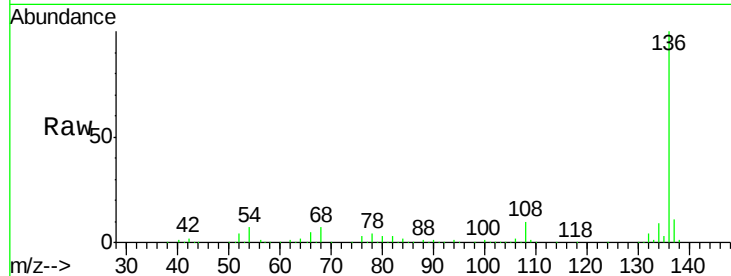
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.00 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampled :
S-1 COMP

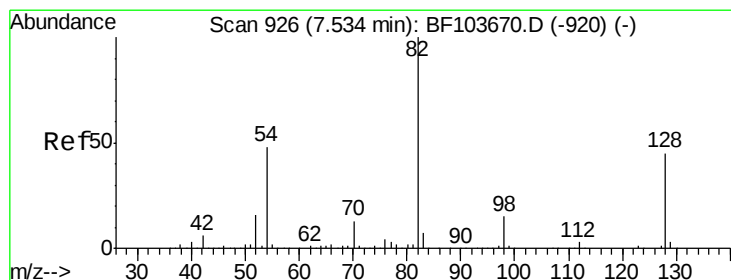
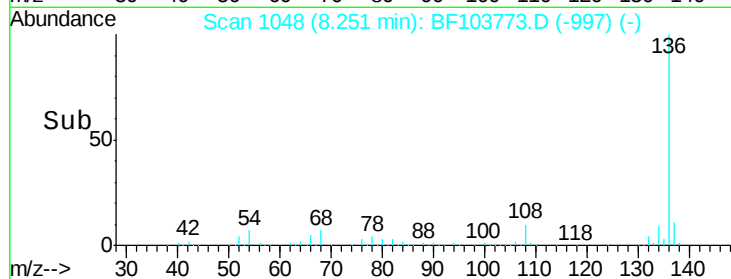
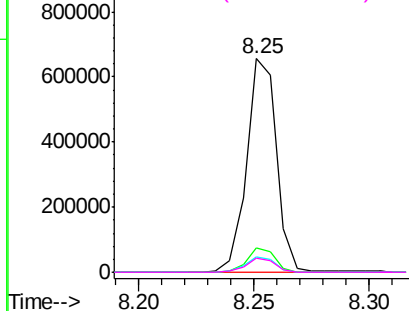
Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.1	8.9	13.3	
54	7.5	6.6	9.8	
68	6.7	5.0	7.4	

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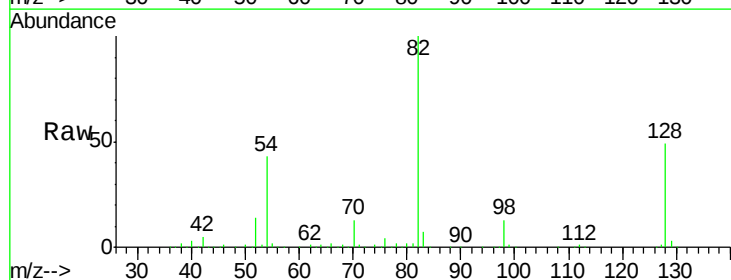


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

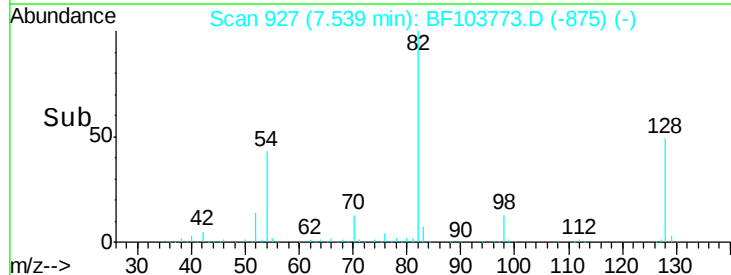
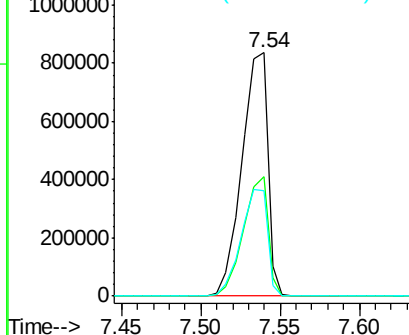


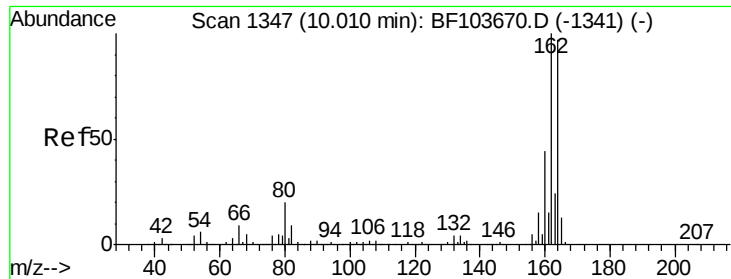
#23
Nitrobenzene-d5
Concen: 111.369 ng
RT: 7.54 min Scan# 927
Delta R.T. 0.01 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	49.3	36.1	54.1	
54	43.3	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





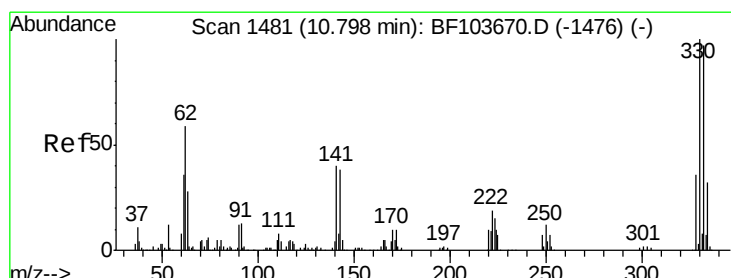
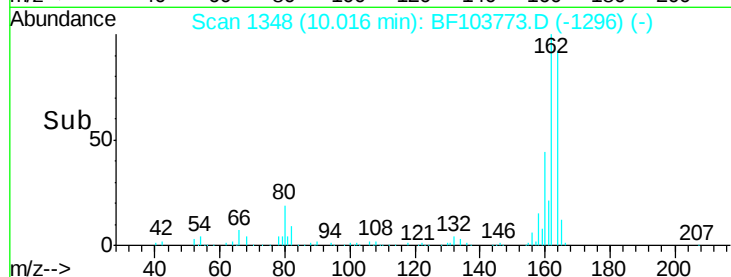
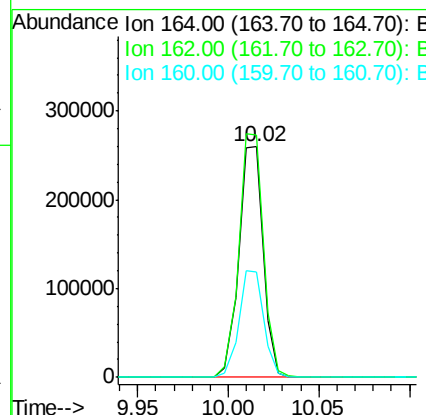
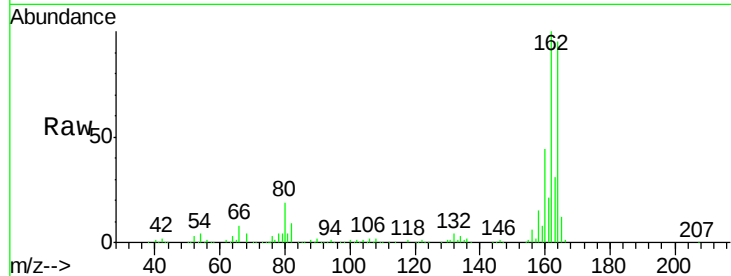
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.01 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampleId :
S-1 COMP

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.1	86.1	129.1	
160	45.9	38.3	57.5	

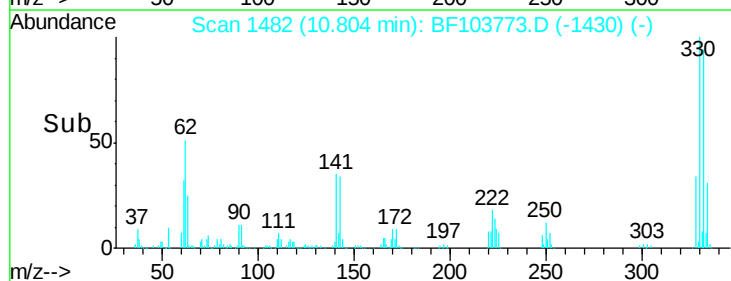
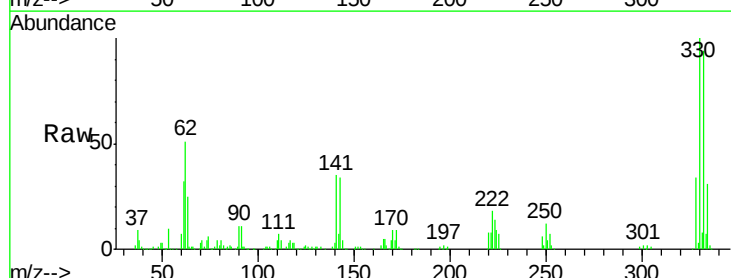
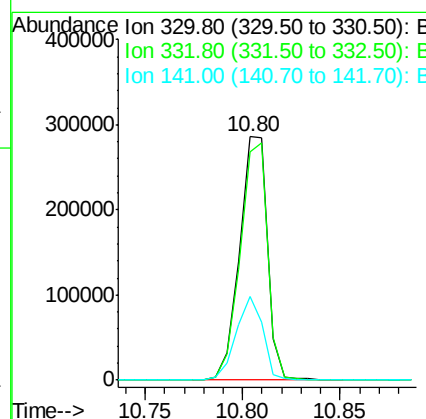
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#41
2,4,6-Tribromophenol
Concen: 135.386 ng
RT: 10.80 min Scan# 1482
Delta R.T. 0.01 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	96.0	77.0	115.6	
141	33.3	29.9	44.9	





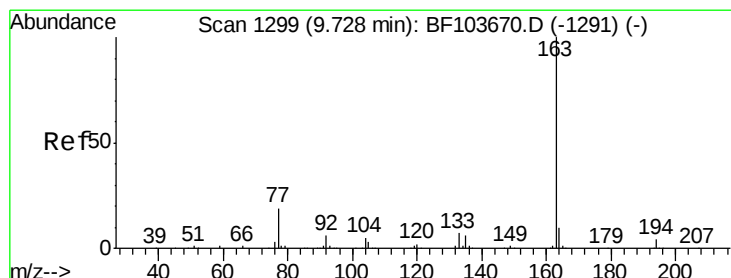
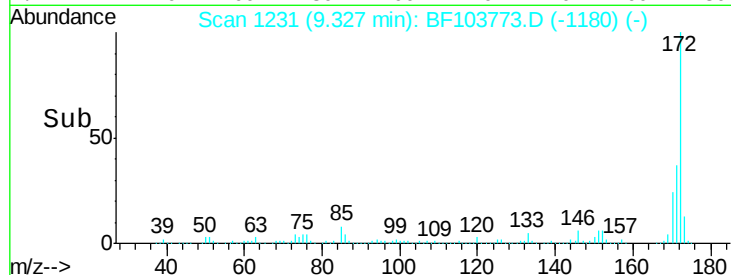
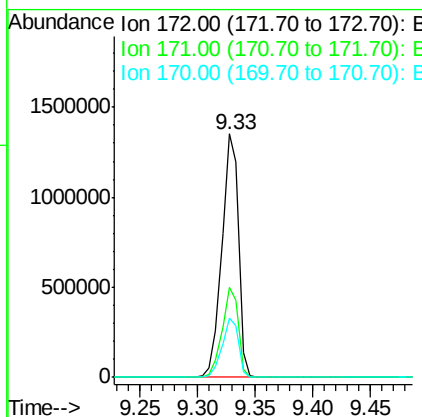
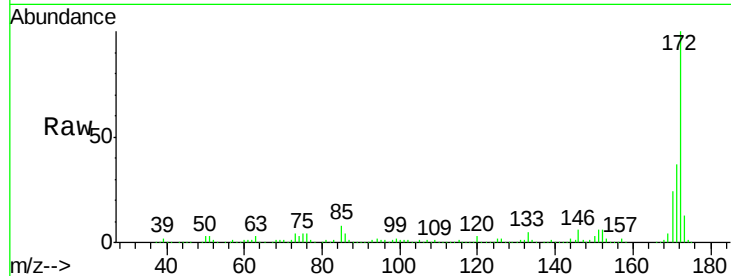
#44
2-Fluorobiphenyl
Concen: 88.402 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampleId :
S-1 COMP

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4

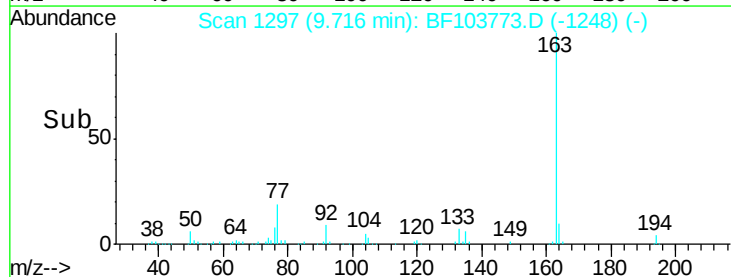
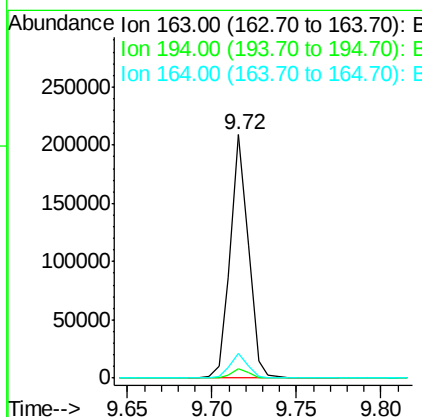
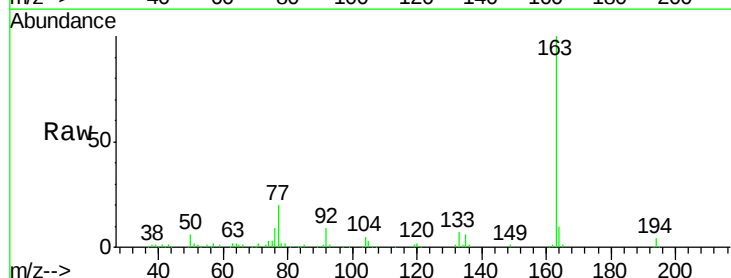
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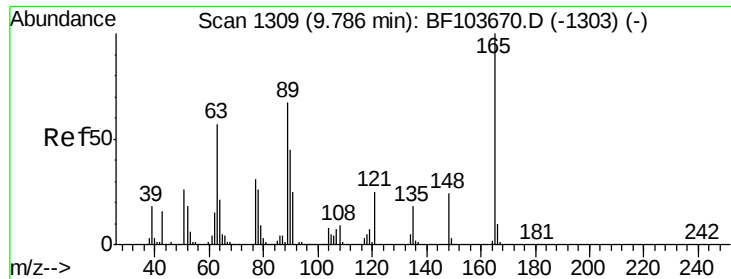
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#49
Dimethylphthalate
Concen: 8.387 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	9.9	8.2	12.2





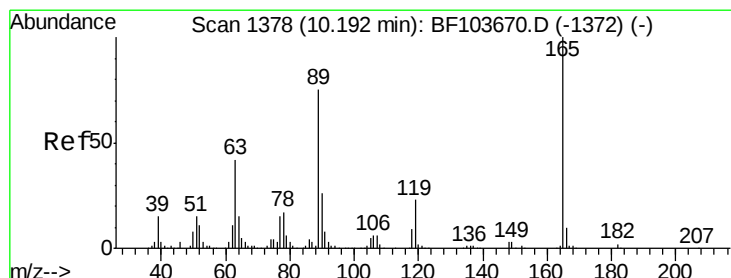
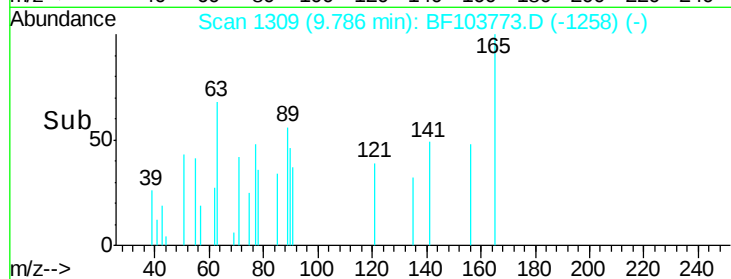
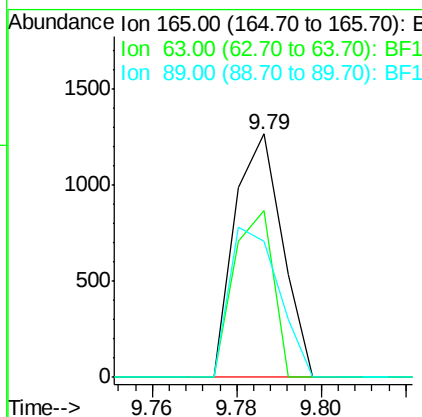
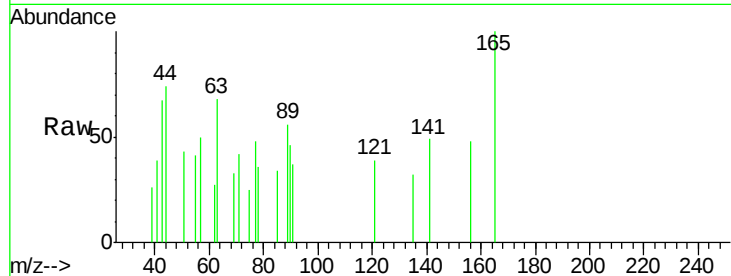
#50
2,6-Dinitrotoluene
Concen: 4.235 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampleId :
S-1 COMP

Tot Ion	Ratio	Lower	Upper
165	100		
63	68.4	44.7	67.1#
89	55.8	44.0	66.0

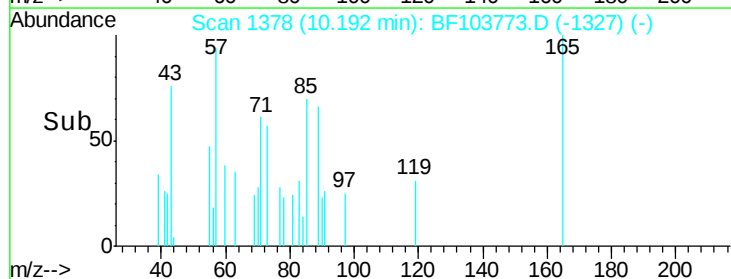
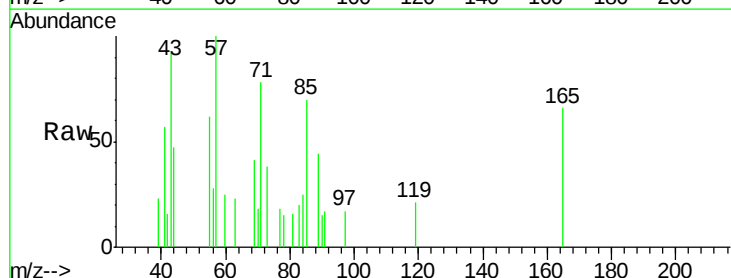
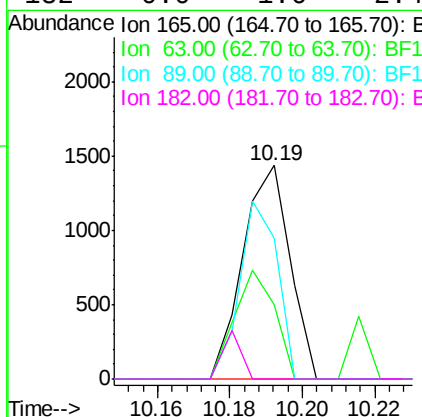
Manual Integrations
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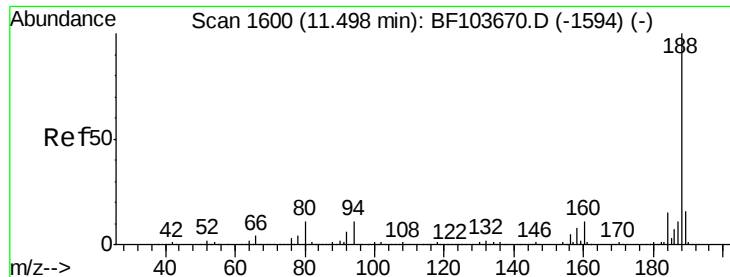
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#56
2,4-Dinitrotoluene
Concen: 6.463 ng
RT: 10.19 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	35.0	36.4	54.6#
89	65.7	57.8	86.6
182	0.0	1.6	2.4#





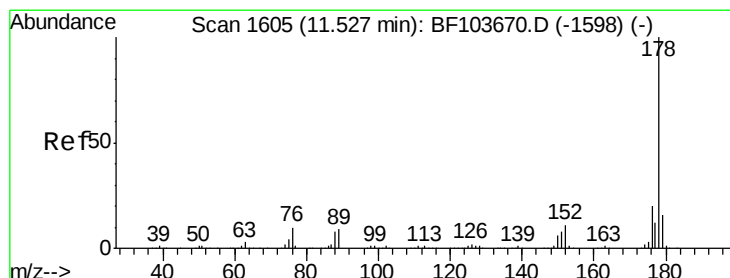
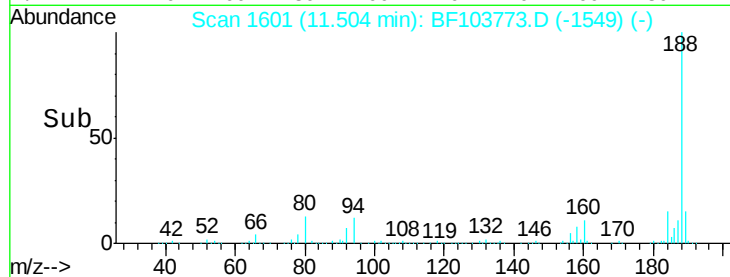
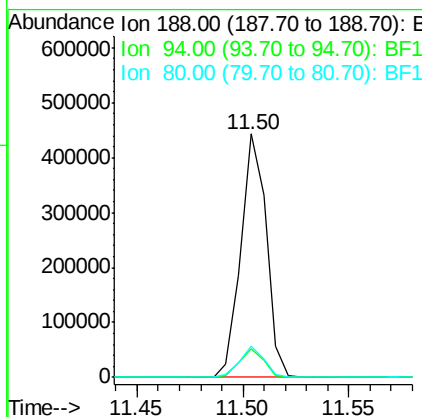
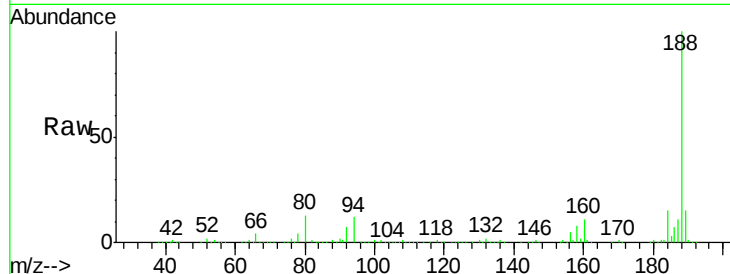
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103773.D
 Acq: 19 Mar 2018 23:12

Instrument :
 BNA_F
 ClientSampleId :
 S-1 COMP

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	11.8	8.5	12.7
80	12.7	9.2	13.8

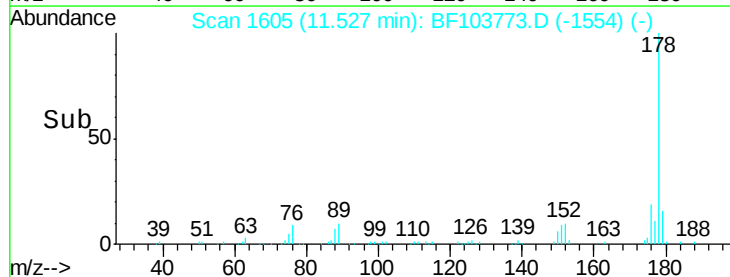
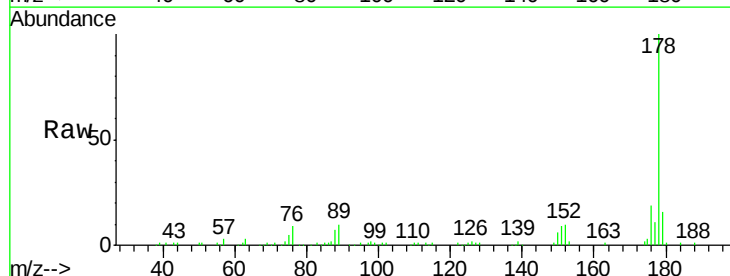
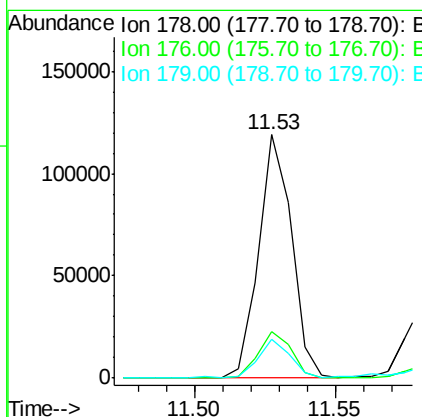
Manual Integrations
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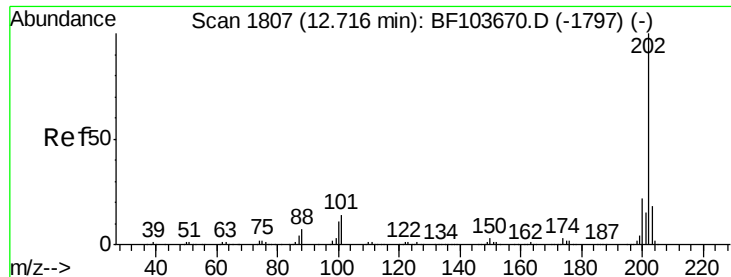
Sohil
 3/20/2018 6:26:53 PM



#70
 Phenanthrene
 Concen: 4.783 ng
 RT: 11.53 min Scan# 1605
 Delta R.T. -0.00 min
 Lab File: BF103773.D
 Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.1	15.8	23.8
179	16.1	13.0	19.6





#74

Fluoranthene

Concen: 8.439 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103773.D

Acq: 19 Mar 2018 23:12

Instrument :

BNA_F

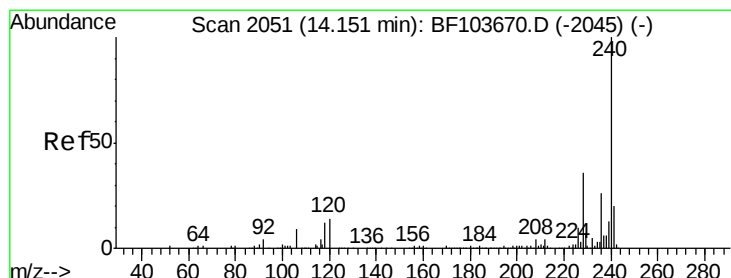
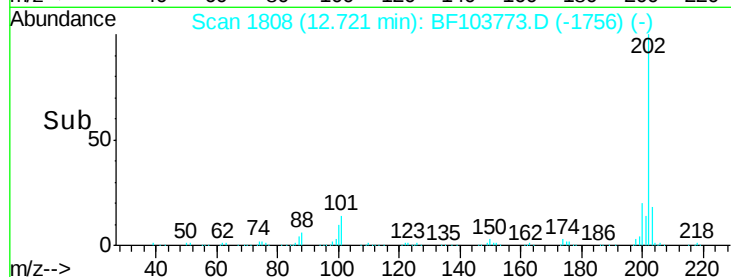
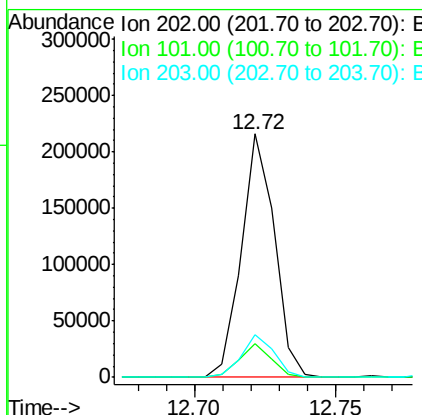
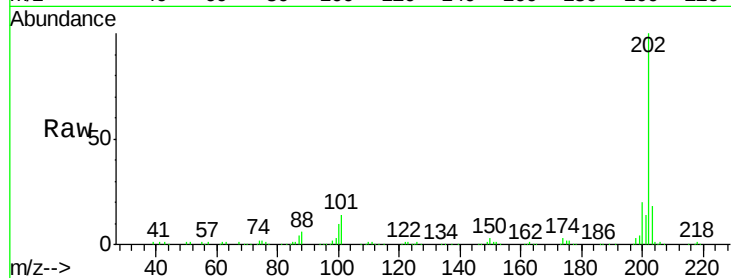
ClientSampleId :

S-1 COMP

Tot Ion:	202	Resp:	175890
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	34.1
203	17.5	0.0	38.1

Manual Integrations
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#75

Chrysene-d12

Concen: 20.000 ng

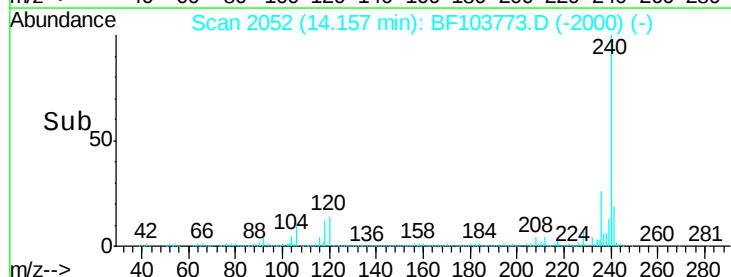
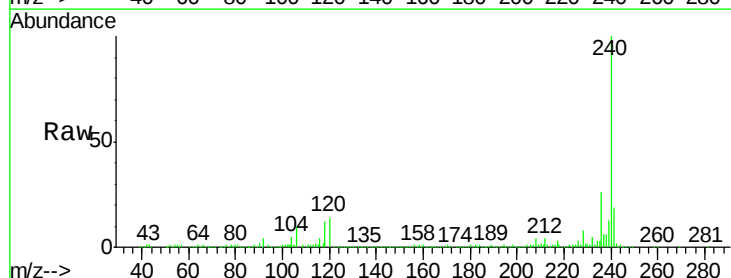
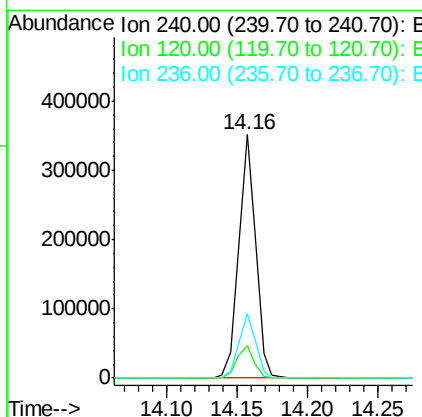
RT: 14.16 min Scan# 2052

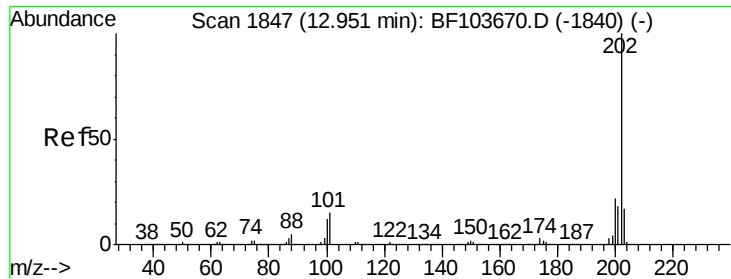
Delta R.T. 0.01 min

Lab File: BF103773.D

Acq: 19 Mar 2018 23:12

Tgt Ion:	240	Resp:	294344
Ion Ratio	Lower	Upper	
240	100		
120	13.5	9.5	14.3
236	26.2	20.7	31.1





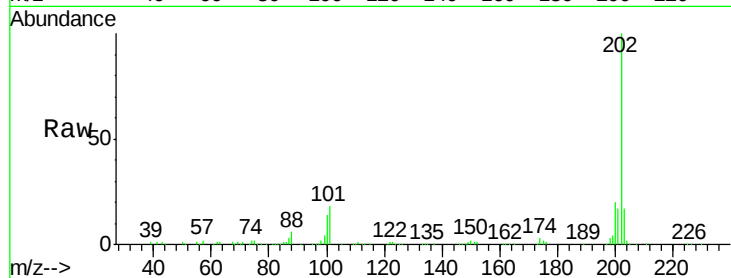
#77
Pvrene
Concen: 8.070 ng
RT: 12.95 min Scan# 1847
Delta R.T. -0.00 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampled :
S-1 COMP

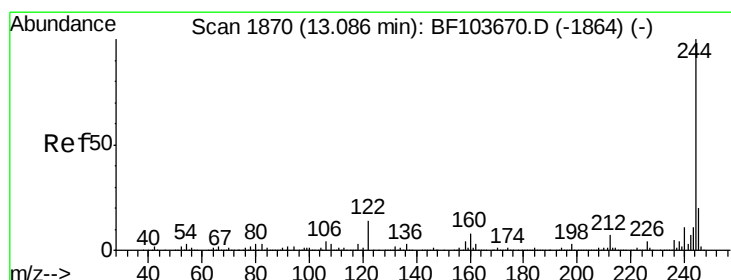
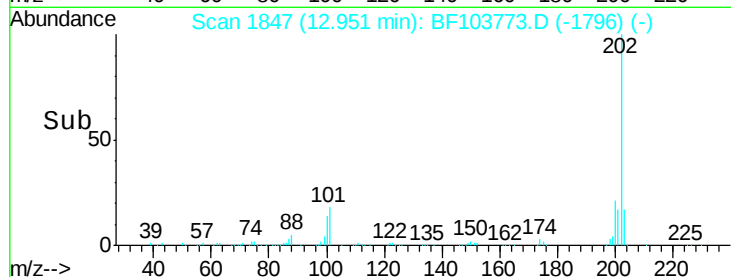
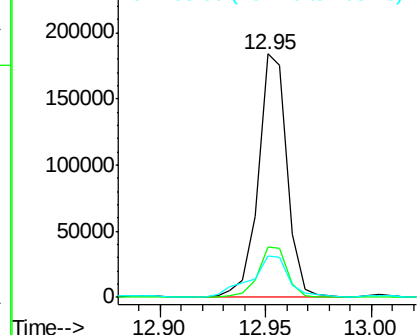
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	17.1	14.3	21.5

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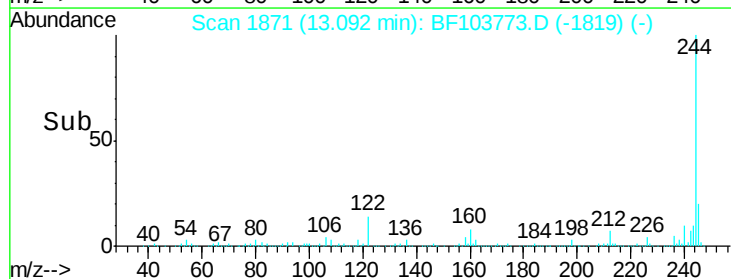
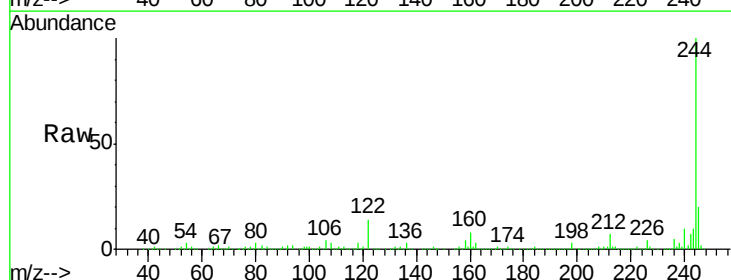
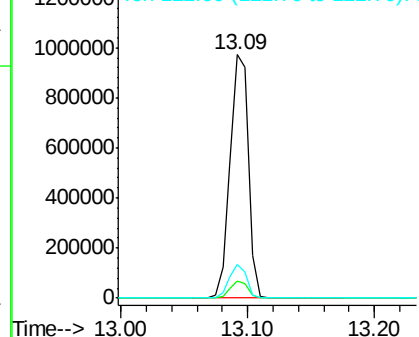
Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

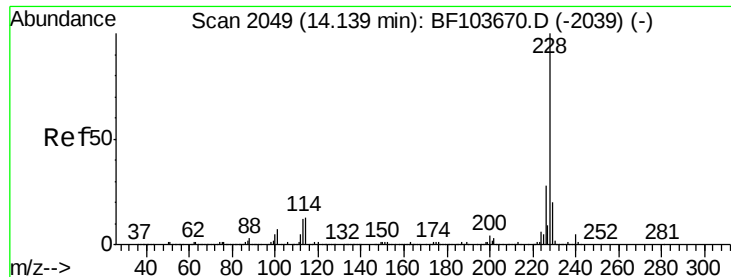


#78
Terphenyl-d14
Concen: 76.468 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.01 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	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





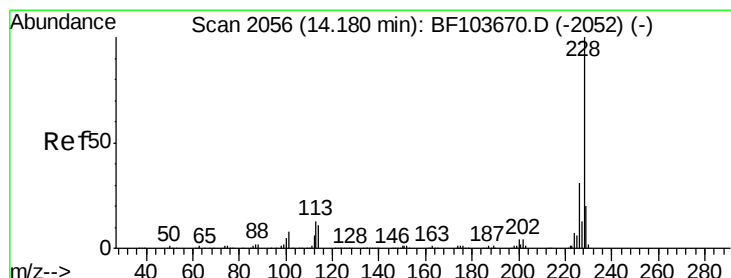
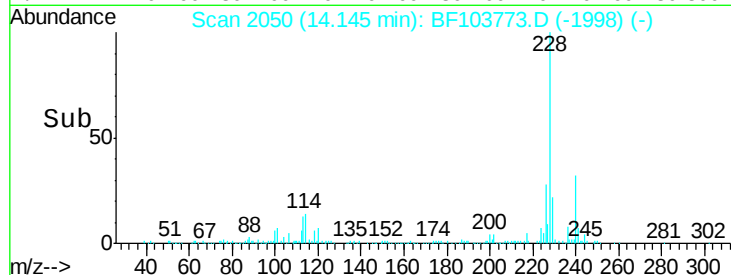
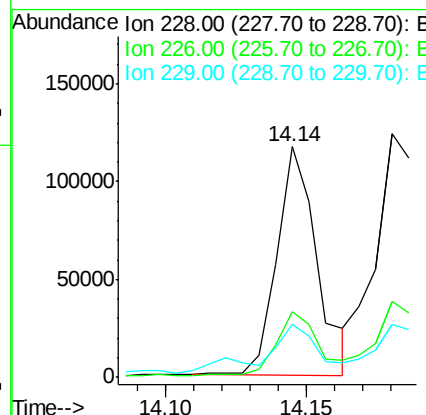
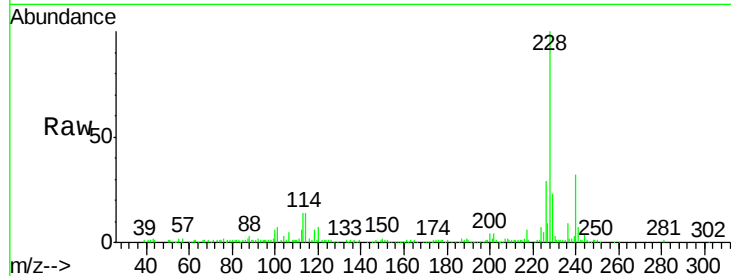
#80
Benzo(a)anthracene
Concen: 6.160 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampleId :
S-1 COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.6	22.6	33.8
229	22.8	15.8	23.6

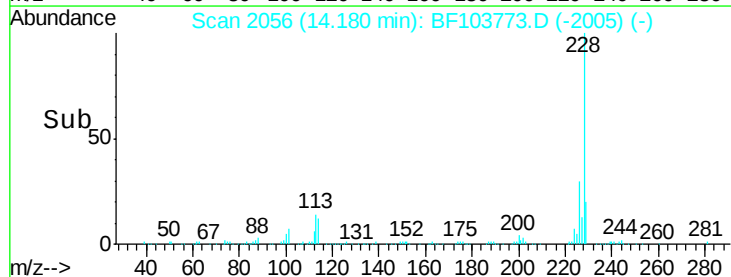
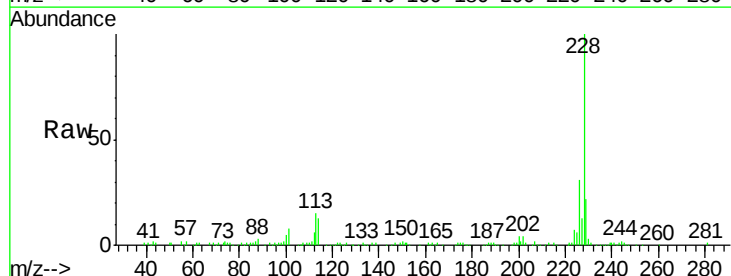
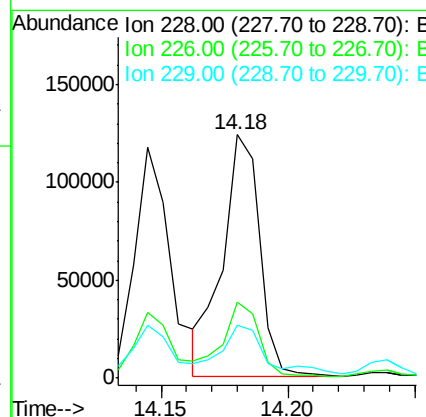
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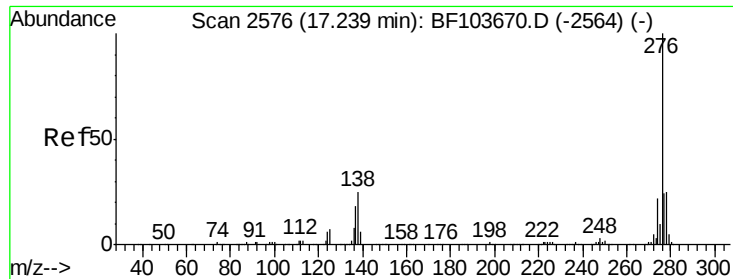
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#82
Chrysene
Concen: 7.066 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.00 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	21.6	16.2	24.4





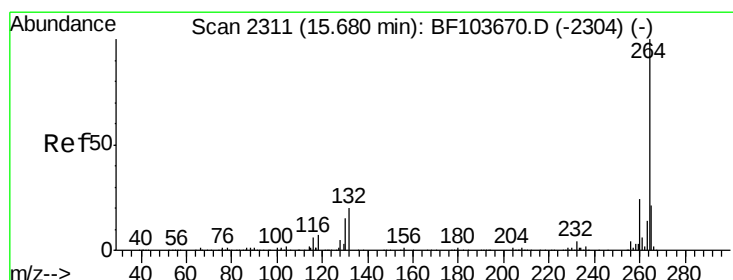
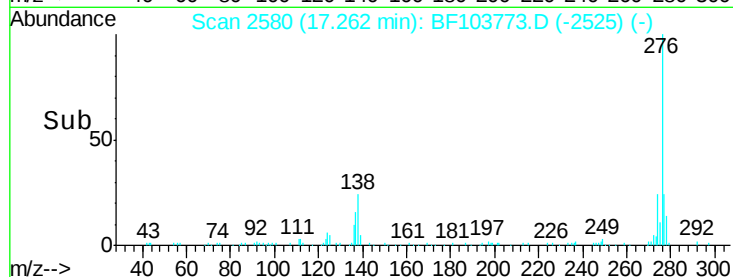
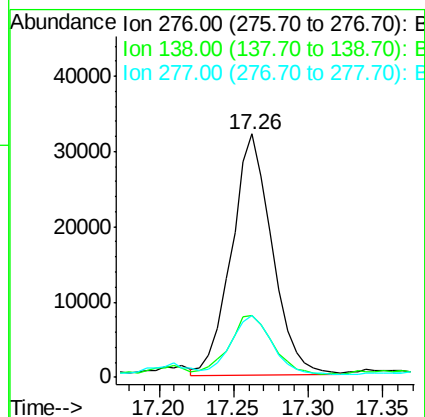
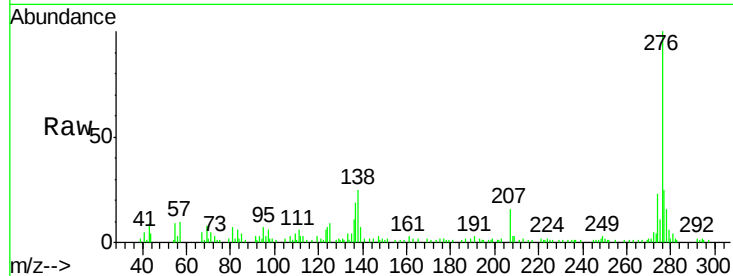
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.905 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.02 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampleId :
S-1 COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.7	25.0	37.6
277	24.9	20.1	30.1

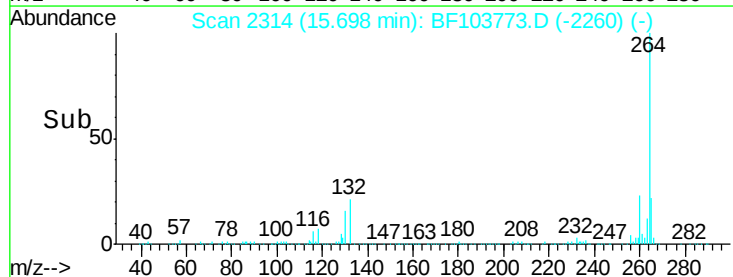
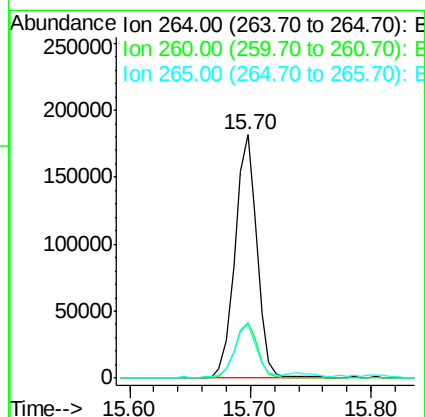
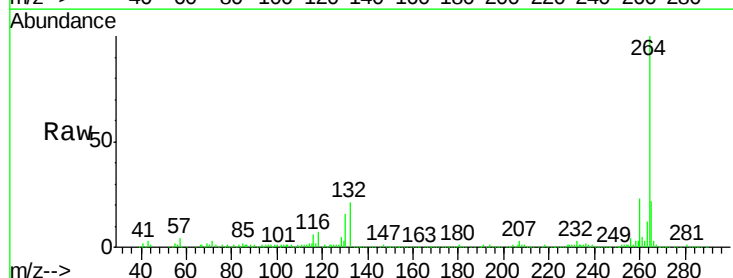
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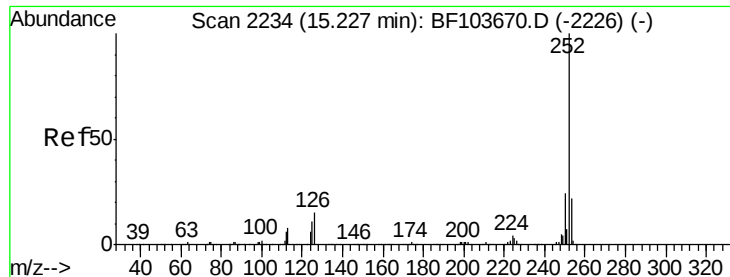
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.02 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 9.789 ng m

RT: 15.24 min Scan# 2236

Delta R.T. 0.01 min

Lab File: BF103773.D

Acq: 19 Mar 2018 23:12

Instrument :

BNA_F

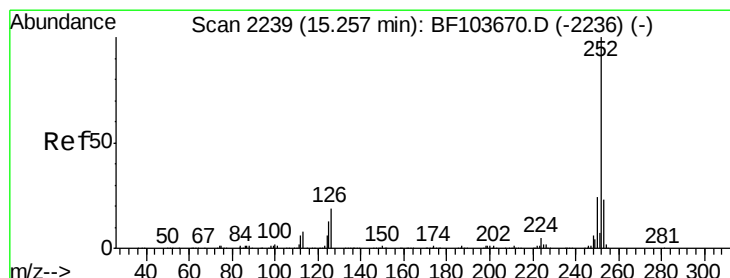
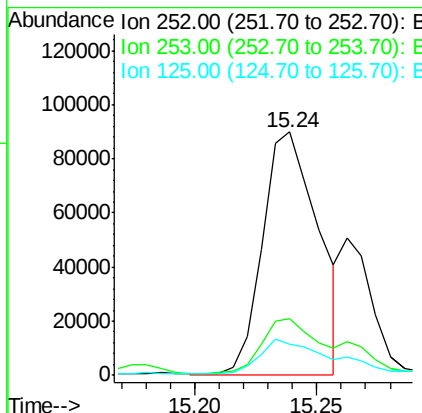
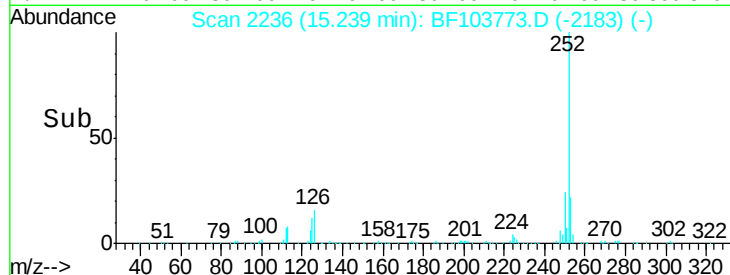
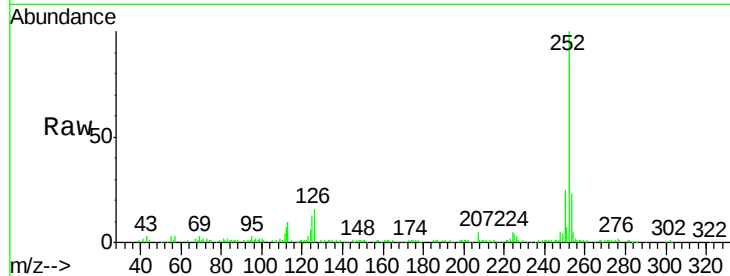
ClientSampleId :

S-1 COMP

Tot Ion:	252	Resp:	142811
Ion Ratio	Lower	Upper	
252	100		
253	23.3	17.0	25.6
125	12.9	9.0	13.6

Manual Integrations
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#88

Benzo(k)fluoranthene

Concen: 3.181 ng m

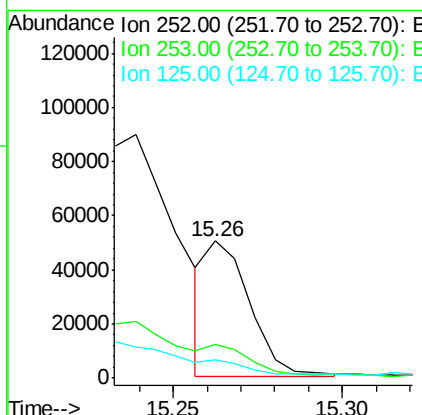
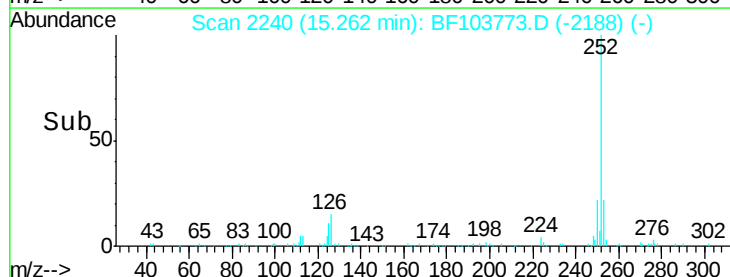
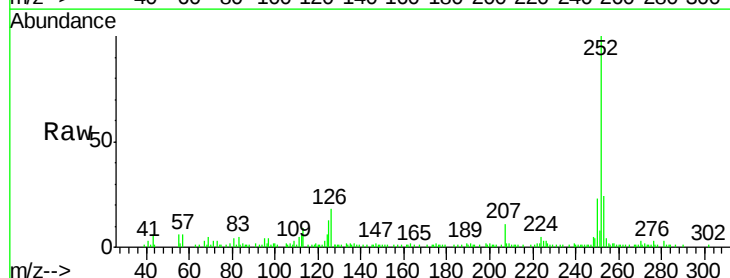
RT: 15.26 min Scan# 2240

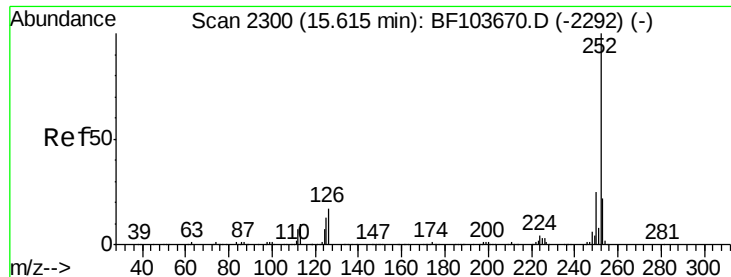
Delta R.T. 0.01 min

Lab File: BF103773.D

Acq: 19 Mar 2018 23:12

Tgt Ion:	252	Resp:	44612
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.9	26.9
125	13.4	10.2	15.2





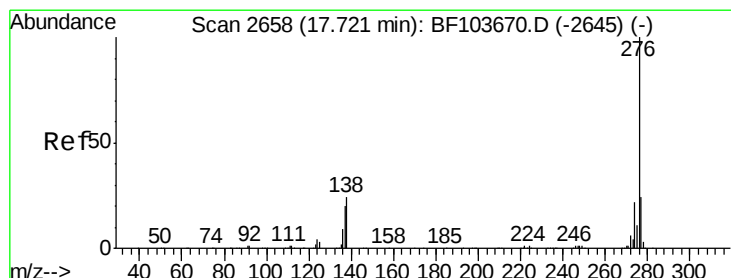
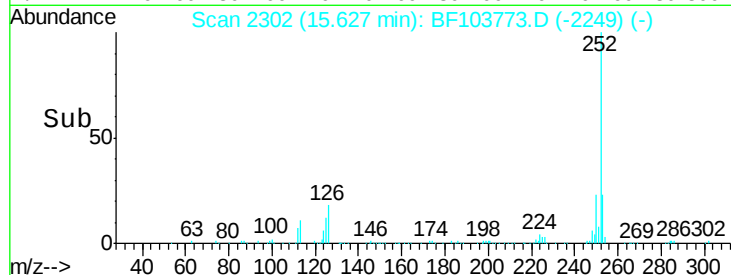
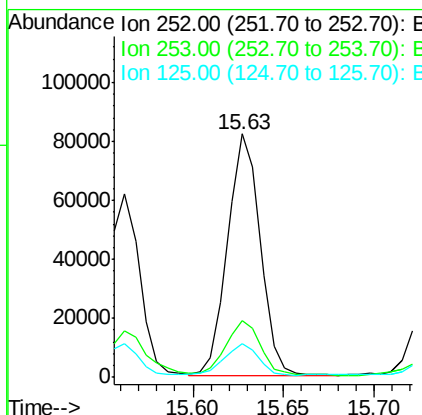
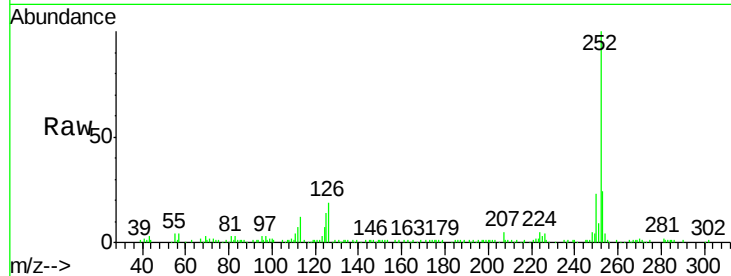
#89
Benzo(a)pyrene
Concen: 7.767 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Instrument :
BNA_F
ClientSampleId :
S-1 COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 5.727 ng
RT: 17.74 min Scan# 2661
Delta R.T. 0.02 min
Lab File: BF103773.D
Acq: 19 Mar 2018 23:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	25.7	21.8	32.8

