

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103835.D
 Acq On : 21 Mar 2018 6:55
 Operator : JU/SJ
 Sample : J1982-01DL2 20X
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)DL2

Manual Integrations
 APPROVED

Sohil
 3/22/2018 12:58:06 PM

Quant Time: Mar 21 08:20:18 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	171994	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	675904	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	298312	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	469187	20.00	ng	0.00
75) Chrysene-d12	14.16	240	332576	20.00	ng	0.00
86) Perylene-d12	15.70	264	288556	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.58	112	51274	4.53	ng	0.00
7) Phenol-d6	6.57	99	65036	4.70	ng	-0.01
23) Nitrobenzene-d5	7.53	82	35826	3.70	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	11093	4.32	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	71031	3.80	ng	0.00
78) Terphenyl-d14	13.09	244	52965	3.70	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	8.27	128	105750	3.097	ng	98
48) Acenaphthylene	9.87	152	92698	3.026	ng	98
57) Fluorene	10.56	166	63556	3.152	ng	99
70) Phenanthrene	11.53	178	455228	17.737	ng	98
71) Anthracene	11.58	178	143877	5.519	ng	98
74) Fluoranthene	12.72	202	464949	17.584	ng	100
77) Pyrene	12.96	202	498546	20.412	ng	98
80) Benzo(a)anthracene	14.14	228	245029	11.639	ng	94
82) Chrysene	14.18	228	205304	10.230	ng	97
85) Indeno(1,2,3-cd)pyrene	17.26	276	88478	5.049	ng	94
87) Benzo(b)fluoranthene	15.24	252	225845m	12.388	ng	
88) Benzo(k)fluoranthene	15.26	252	67427m	3.848	ng	
89) Benzo(a)pyrene	15.63	252	181551	10.980	ng	97
91) Benzo(a,h,i)perylene	17.74	276	84066	6.035	ng	97

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

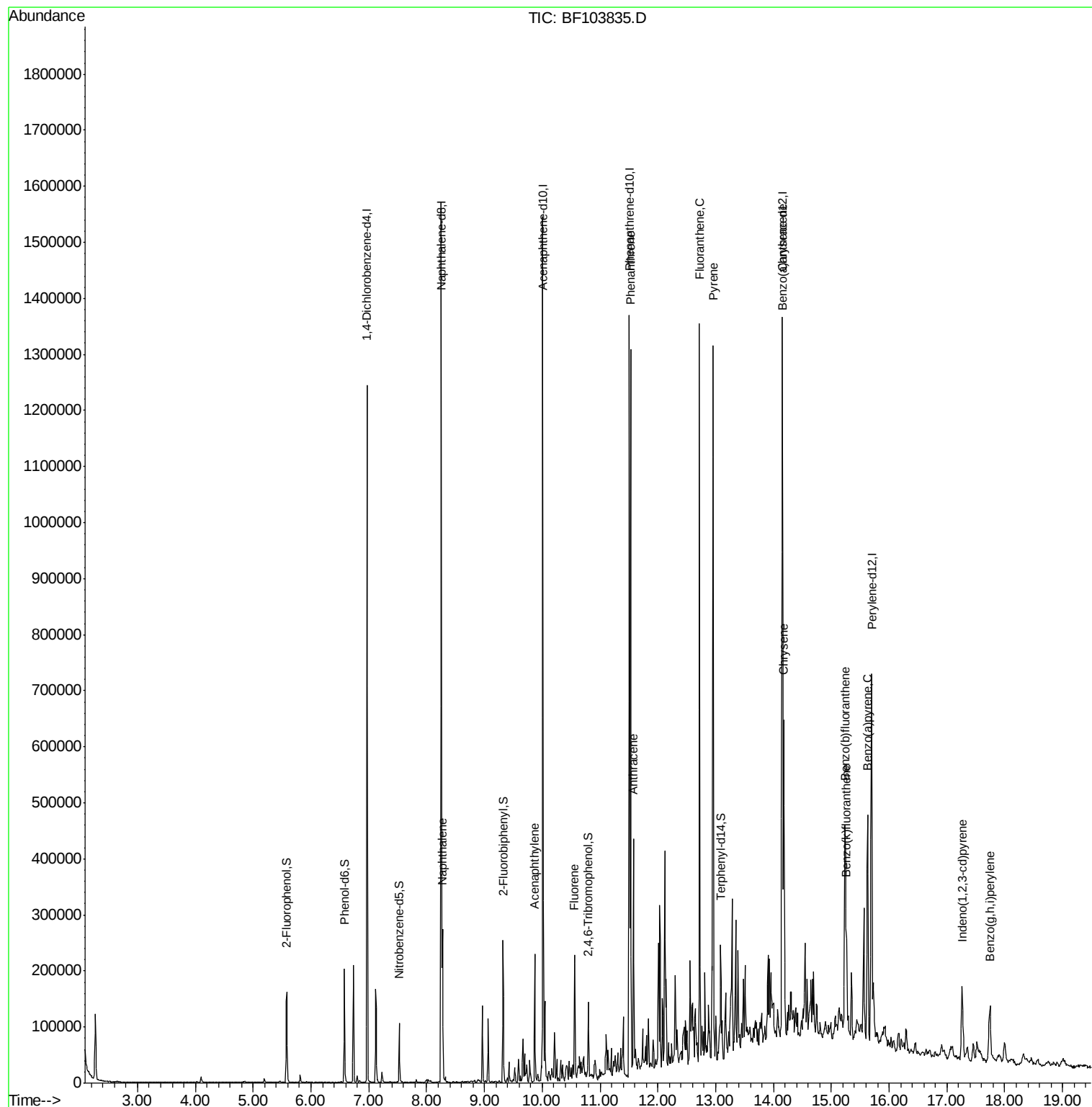
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103835.D
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Operator : JU/SJ
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ALS Vial : 36 Sample Multiplier: 1

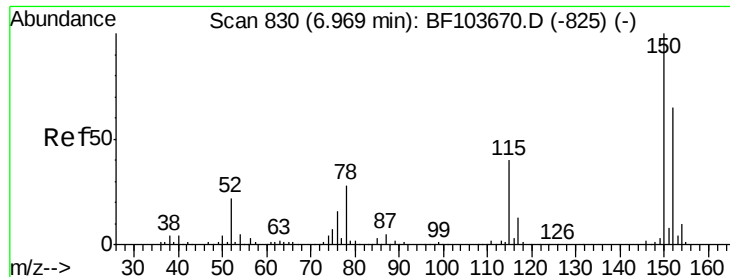
Instrument :
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MW-105(3-4)DL2

Manual Integrations
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#1

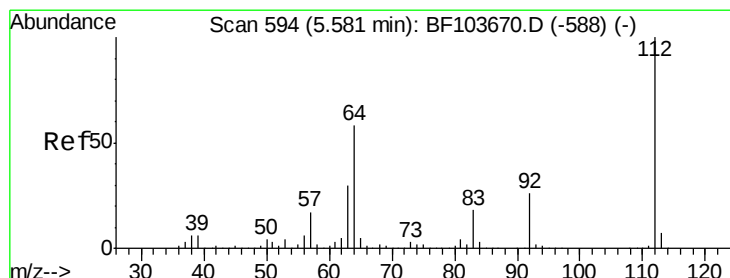
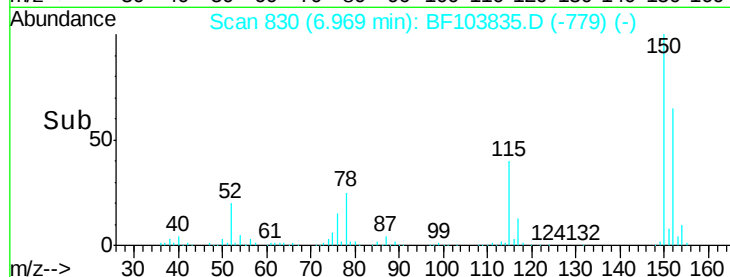
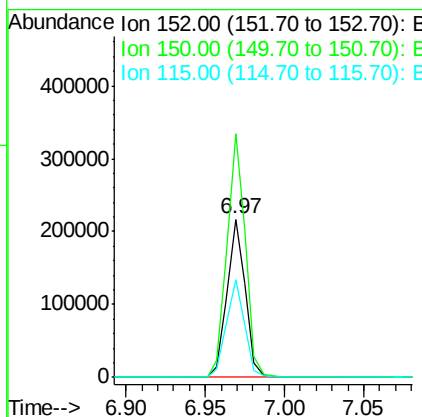
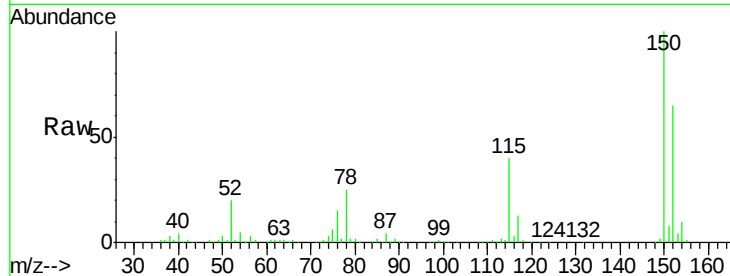
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	61.7	50.1	75.1

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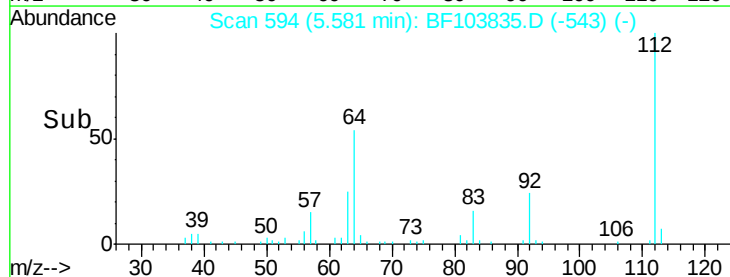
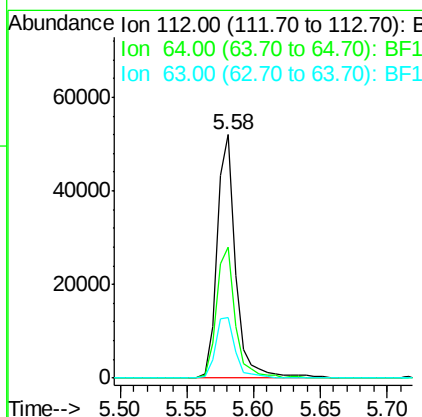
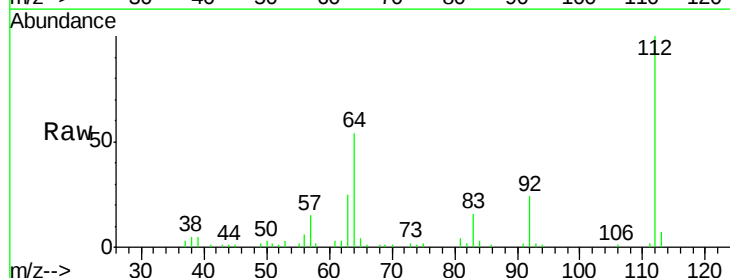
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#5

2-Fluorophenol
Concen: 4.534 ng
RT: 5.58 min Scan# 594
Delta R.T. 0.00 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.0	47.9	71.9
63	24.7	23.7	35.5





#7

Phenol-d6

Concen: 4.701 ng

RT: 6.57 min Scan# 763

Delta R.T. -0.01 min

Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Instrument :

BNA_F

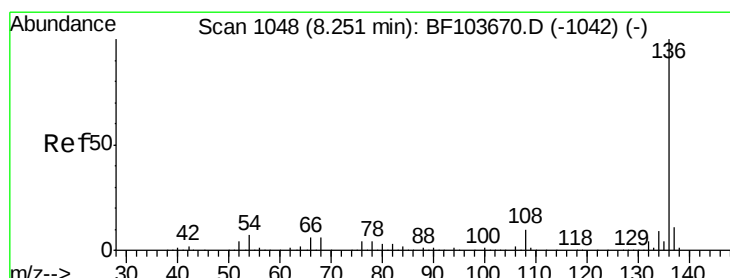
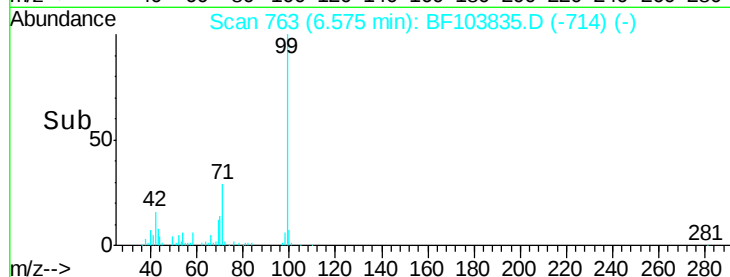
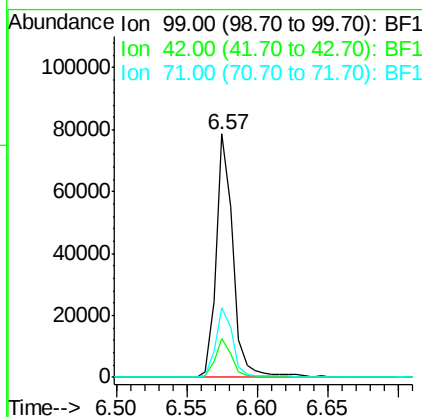
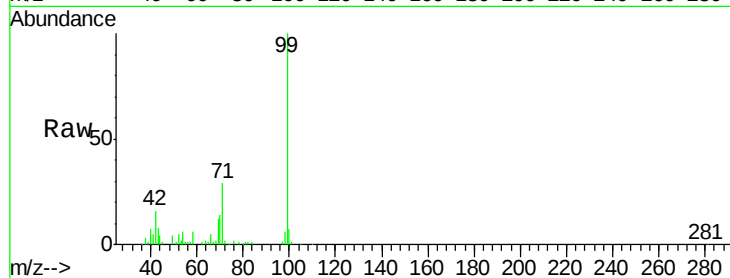
ClientSampleId :

MW-105(3-4)DL2

Tot Ion:	99	Resp:	65036
Ion Ratio	Lower	Upper	
99	100		
42	16.0	14.5	21.7
71	28.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

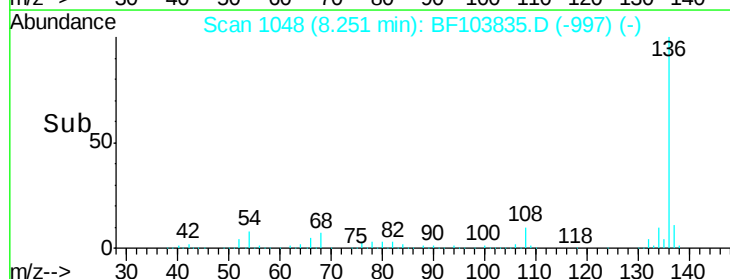
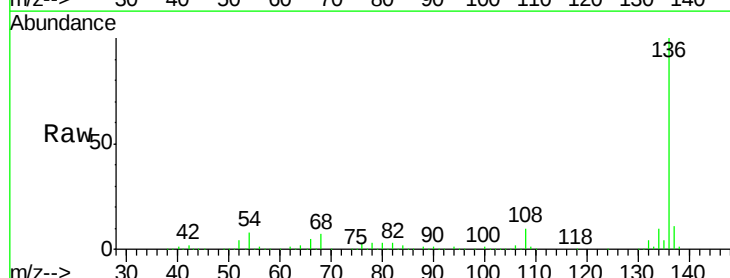
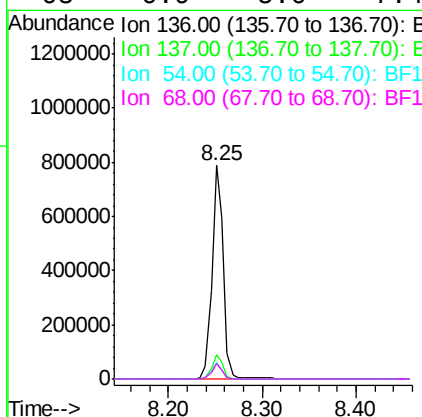
RT: 8.25 min Scan# 1048

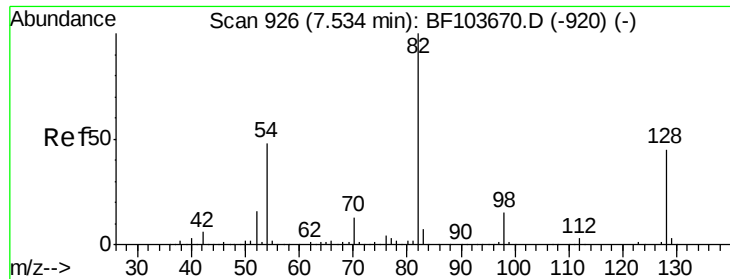
Delta R.T. 0.00 min

Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Tgt Ion:	136	Resp:	675904
Ion Ratio	Lower	Upper	
136	100		
137	11.4	8.9	13.3
54	7.5	6.6	9.8
68	6.9	5.0	7.4





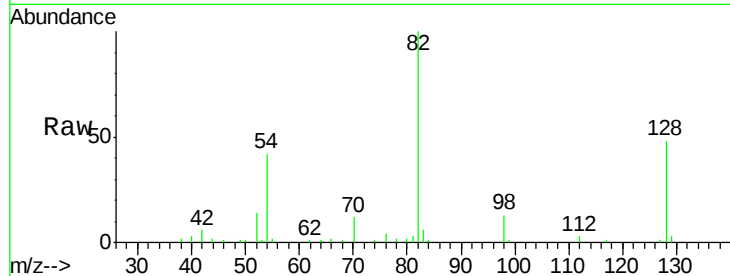
#23
 Nitrobenzene-d5
 Concen: 3.696 ng
 RT: 7.53 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: BF103835.D
 Acq: 21 Mar 2018 6:55

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
82	100		
128	47.6	36.1	54.1
54	42.0	41.4	62.2

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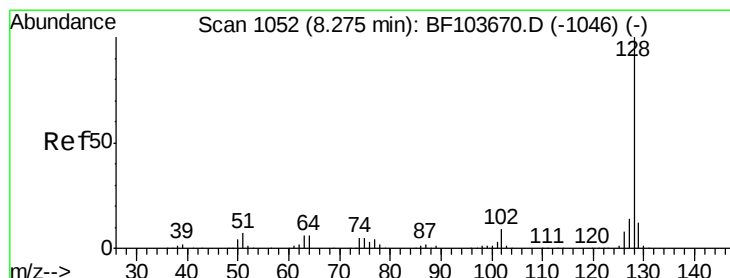
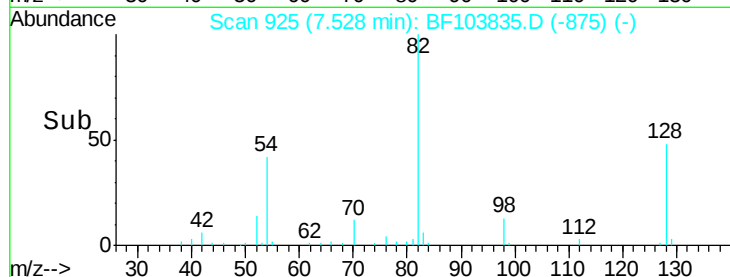
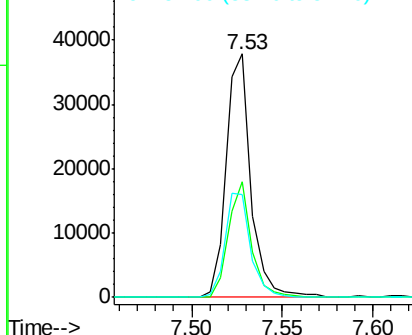


Abundance

Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#31
 Naphthalene
 Concen: 3.097 ng
 RT: 8.27 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: BF103835.D
 Acq: 21 Mar 2018 6:55

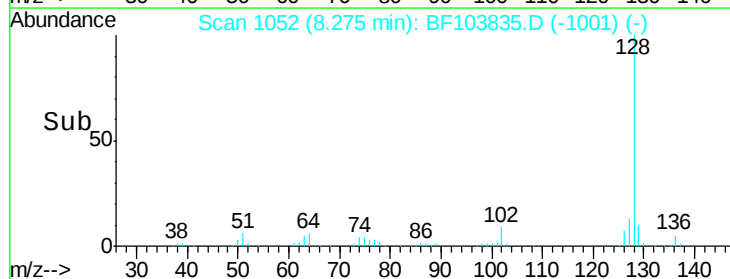
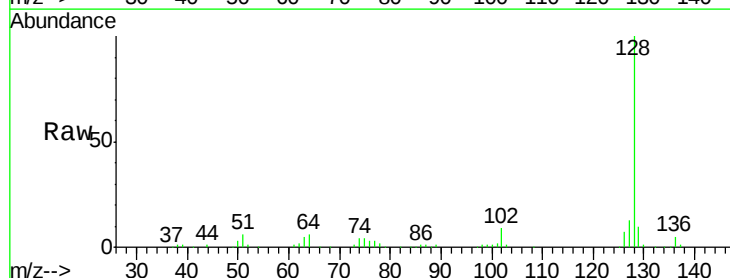
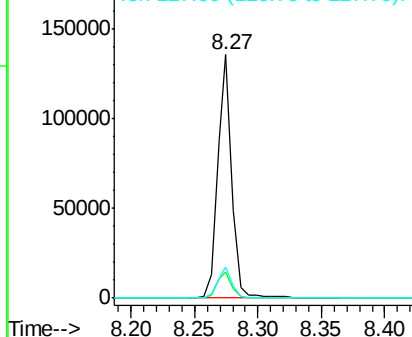
Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	12.5	10.9	16.3

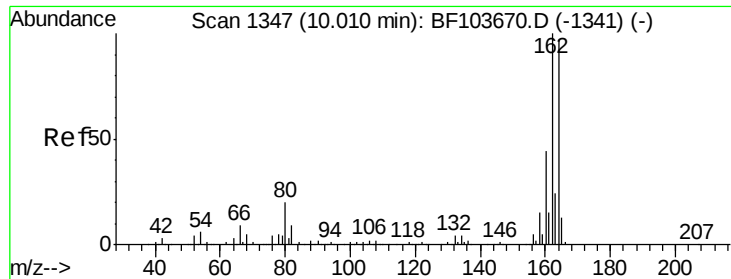
Abundance

Ion 128.00 (127.70 to 128.70): BF1

Ion 129.00 (128.70 to 129.70): BF1

Ion 127.00 (126.70 to 127.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Instrument :

BNA_F

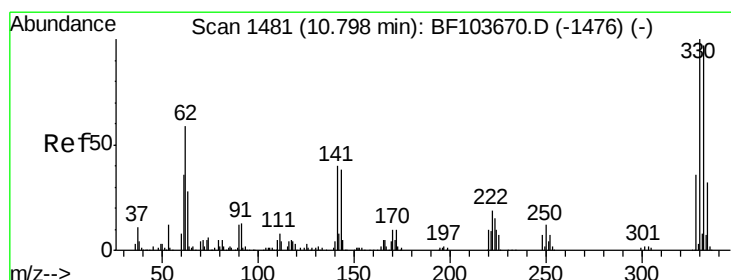
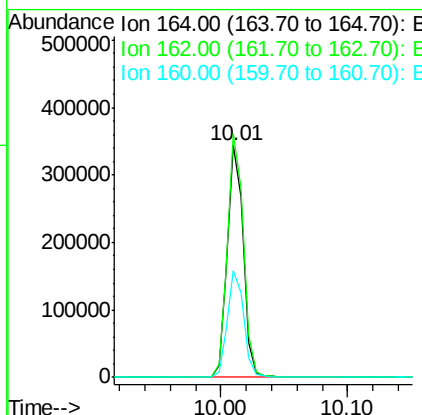
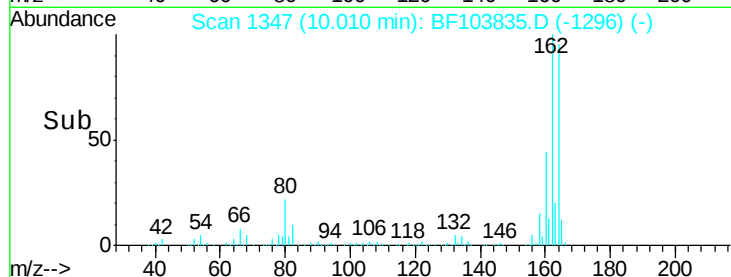
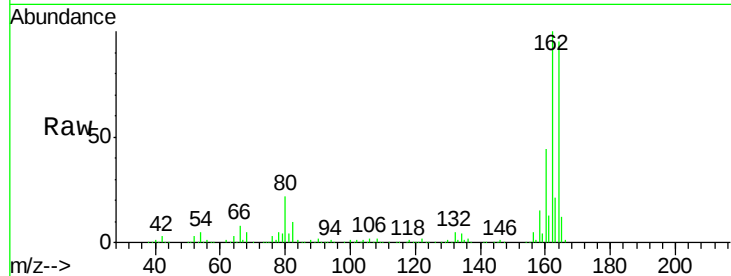
ClientSampleId :

MW-105(3-4)DL2

Tot Ion:	164	Resp:	298312
Ion Ratio	Lower	Upper	
164	100		
162	104.9	86.1	129.1
160	45.8	38.3	57.5

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#41

2,4,6-Tribromophenol

Concen: 4.325 ng

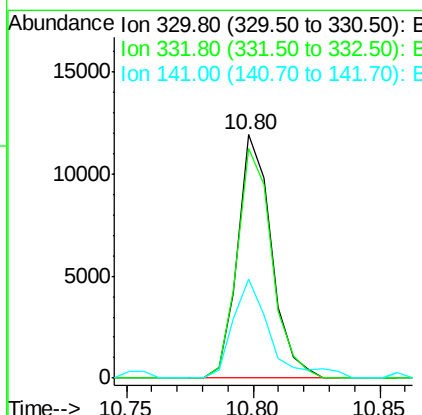
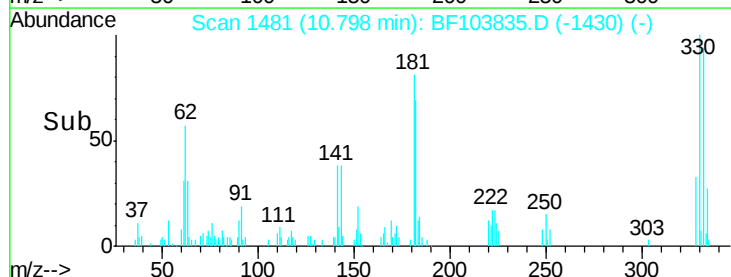
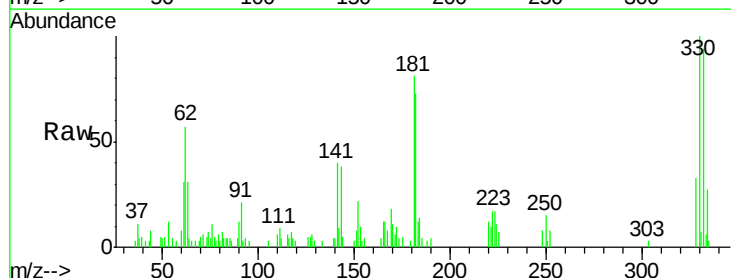
RT: 10.80 min Scan# 1481

Delta R.T. 0.00 min

Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Tgt Ion:	330	Resp:	11093
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.0	115.6
141	44.3	29.9	44.9





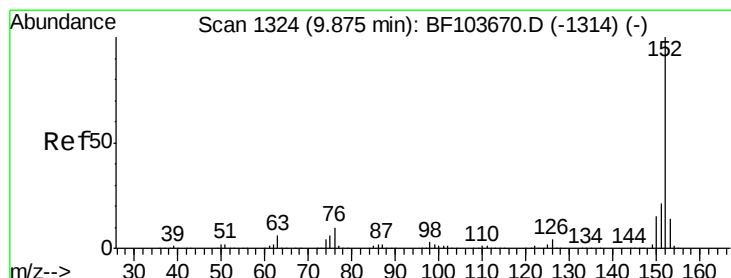
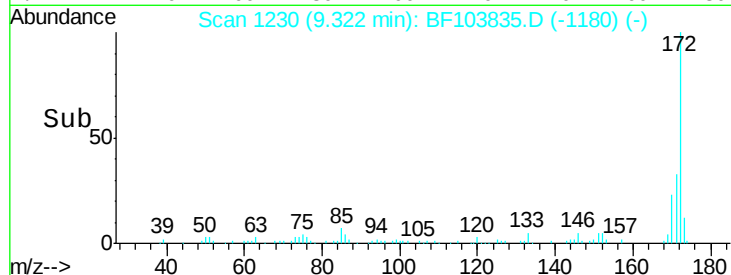
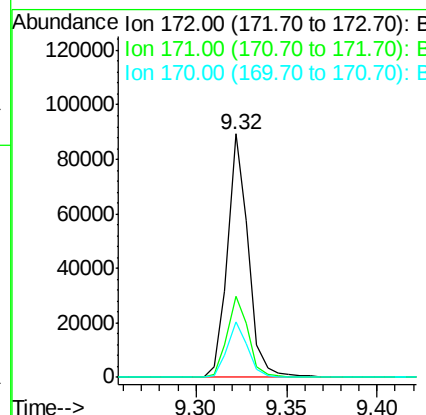
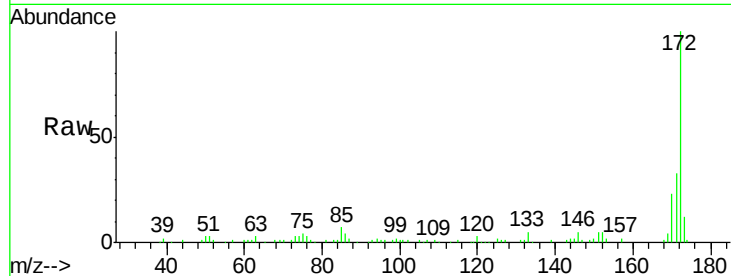
#44
2-Fluorobiphenyl
Concen: 3.798 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.01 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
172	100		
171	33.3	29.7	44.5
170	23.0	19.6	29.4

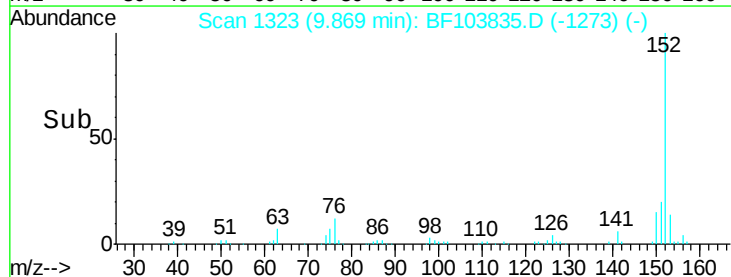
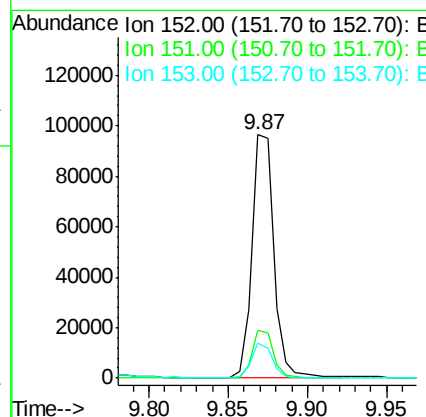
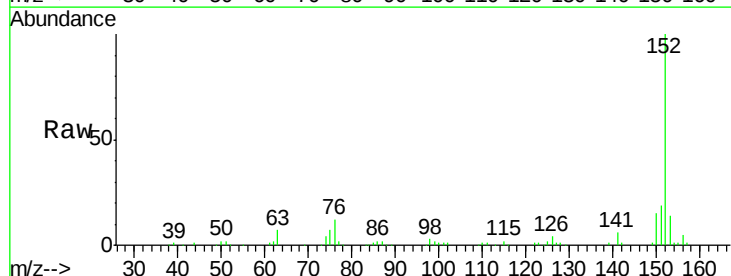
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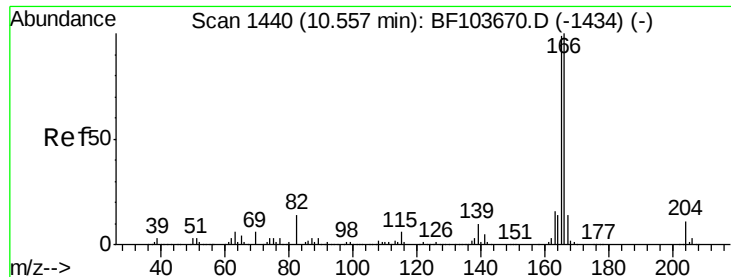
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#48
Acenaphthylene
Concen: 3.026 ng
RT: 9.87 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.3	24.5
153	14.3	10.7	16.1





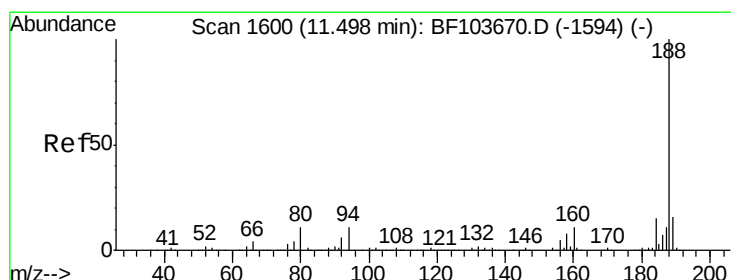
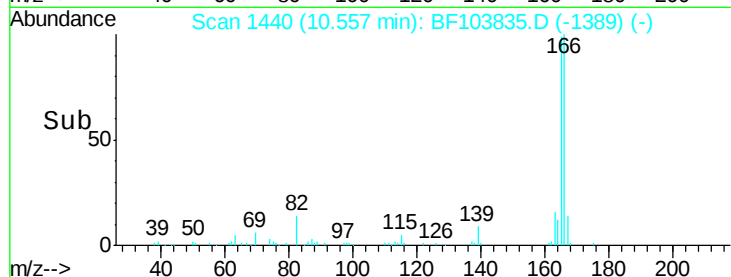
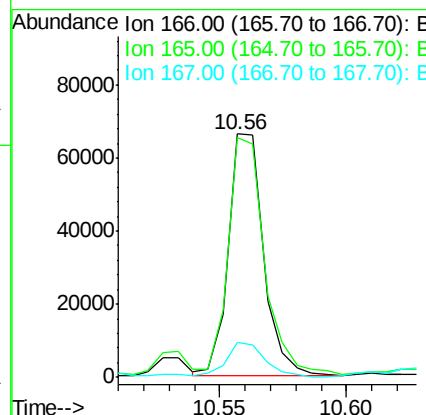
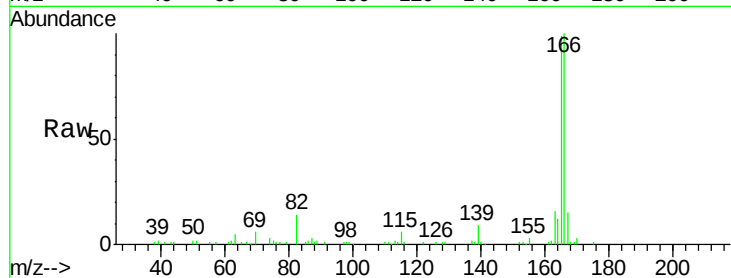
#57
Fluorene
 Concen: 3.152 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF103835.D
 Acq: 21 Mar 2018 6:55

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.5	79.8	119.8
167	14.5	10.6	16.0

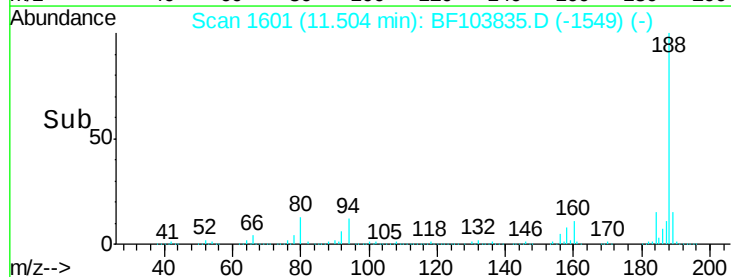
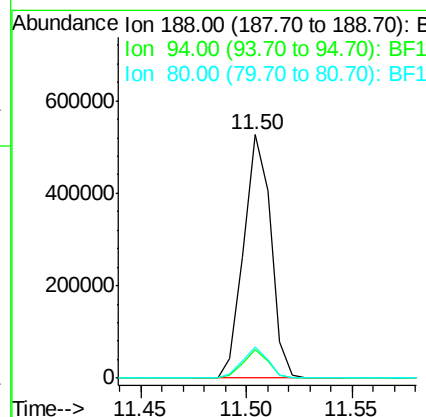
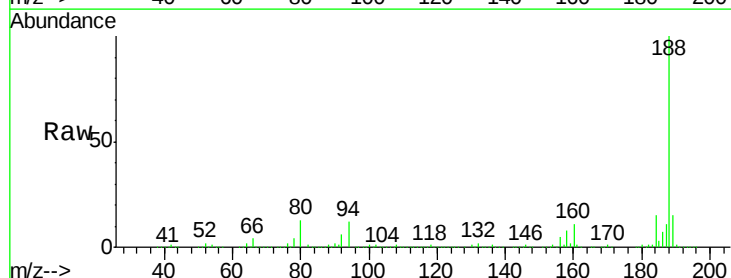
Manual Integrations
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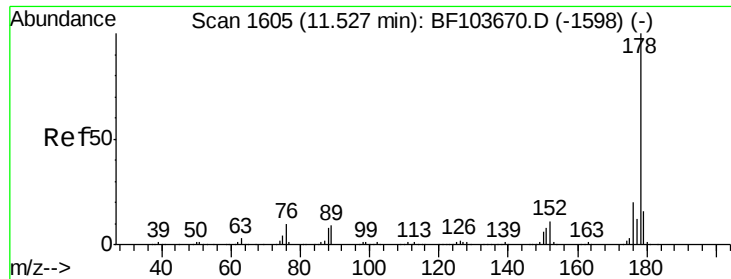
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF103835.D
 Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.9	8.5	12.7
80	12.6	9.2	13.8





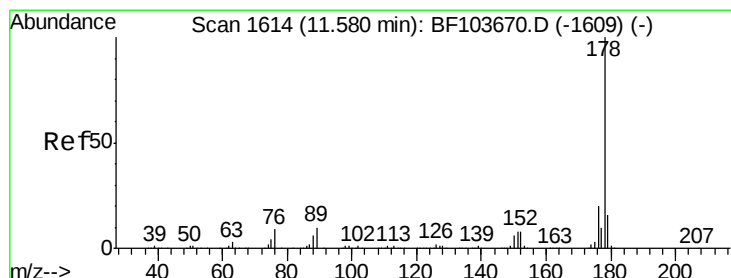
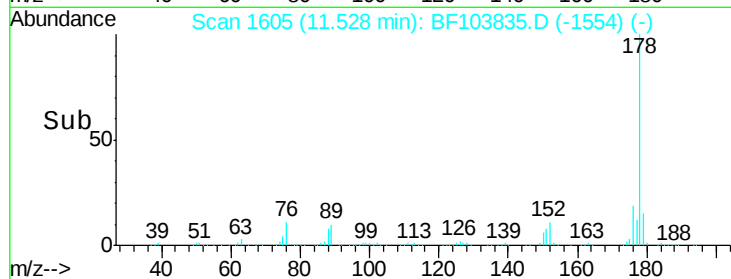
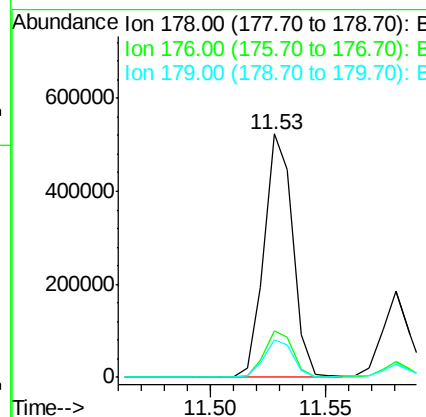
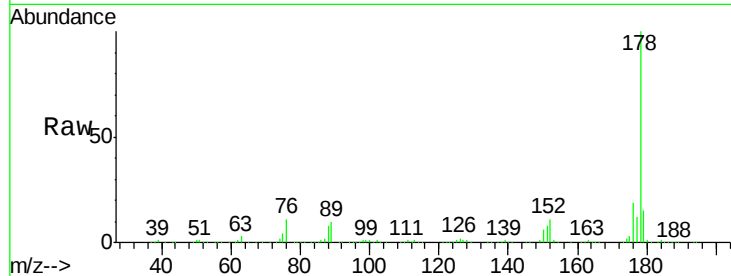
#70
Phenanthrene
Concen: 17.737 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.00 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.2	13.0	19.6

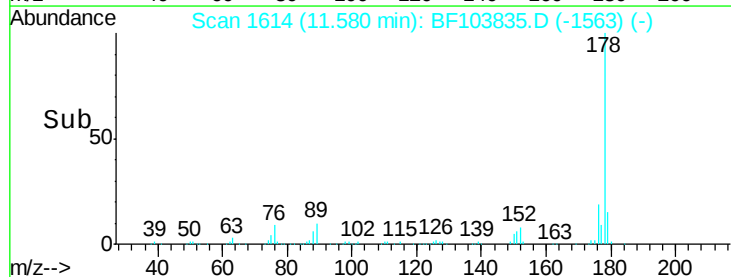
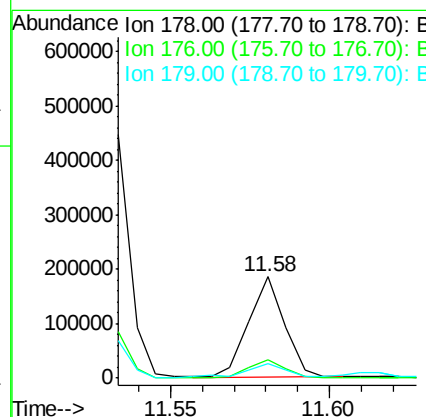
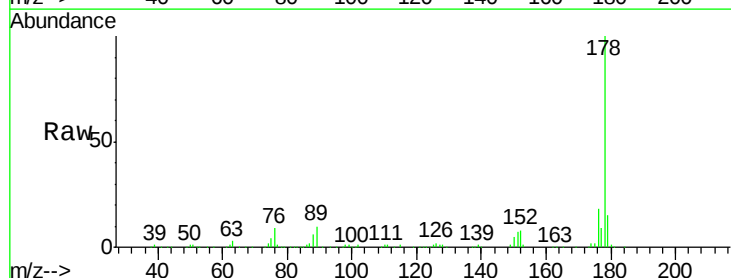
Manual Integrations
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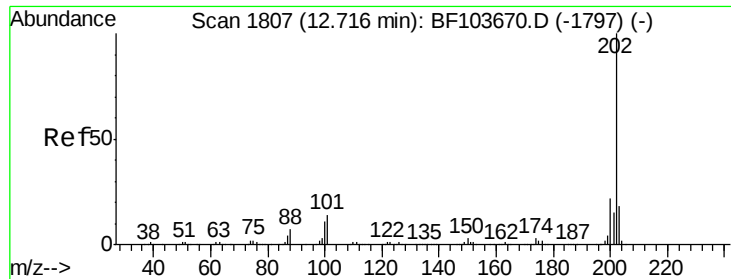
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#71
Anthracene
Concen: 5.519 ng
RT: 11.58 min Scan# 1614
Delta R.T. 0.00 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	14.8	12.6	19.0





#74

Fluoranthene

Concen: 17.584 ng

RT: 12.72 min Scan# 1808

Delta R.T. 0.01 min

Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Instrument :

BNA_F

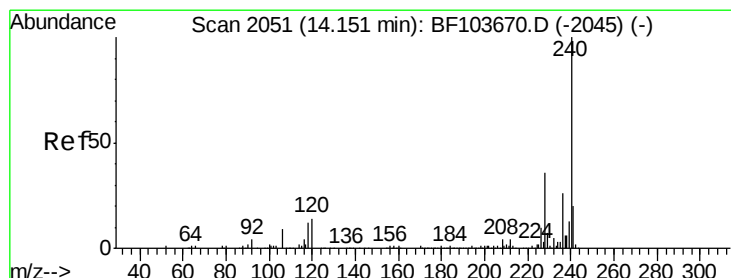
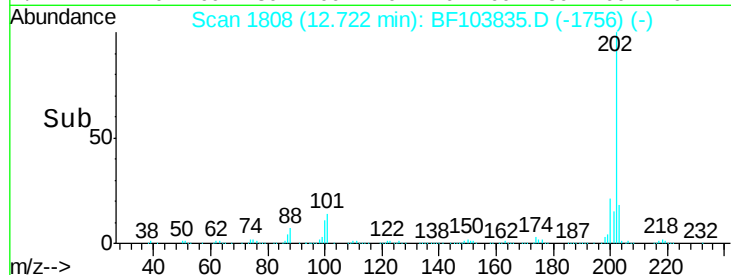
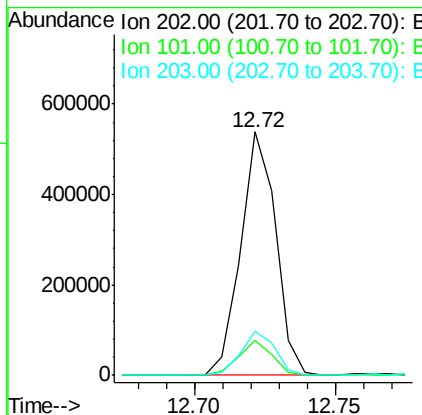
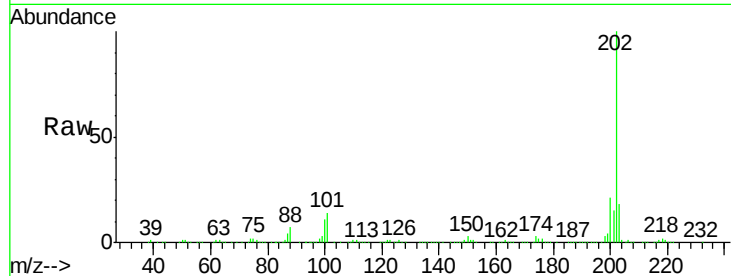
ClientSampleId :

MW-105(3-4)DL2

Tot Ion	Ratio	Resp Lower	Upper
202	100		
101	14.3	0.0	34.1
203	18.1	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

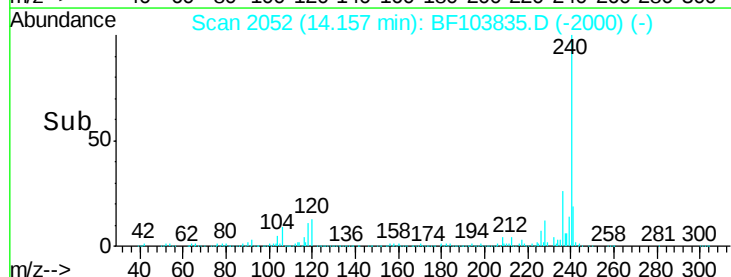
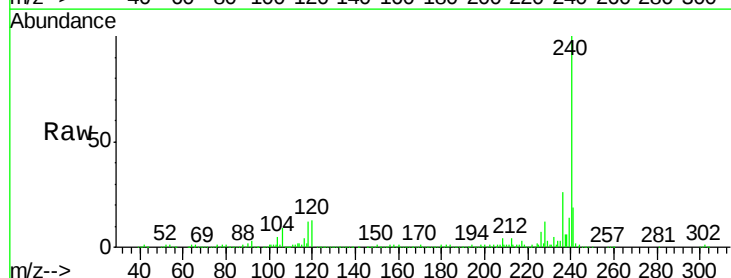
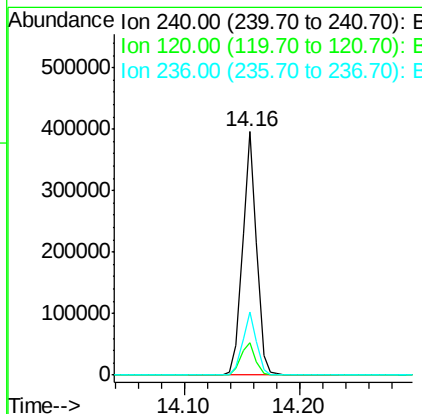
RT: 14.16 min Scan# 2052

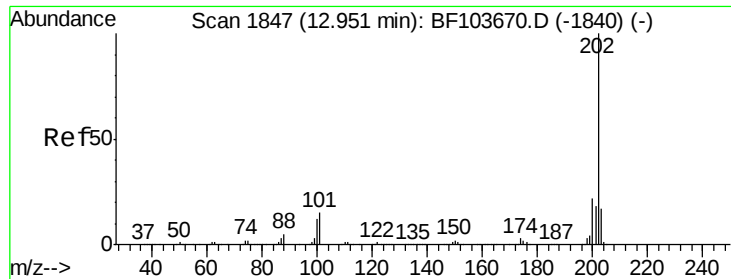
Delta R.T. 0.01 min

Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	9.5	14.3
236	25.9	20.7	31.1





#77

Pvrene

Concen: 20.412 ng

RT: 12.96 min Scan# 1848

Delta R.T. 0.01 min

Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Instrument :

BNA_F

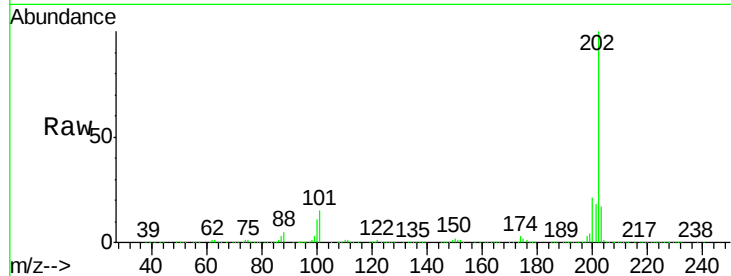
ClientSampleId :

MW-105(3-4)DL2

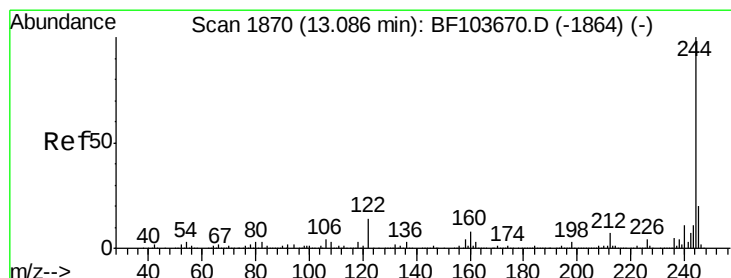
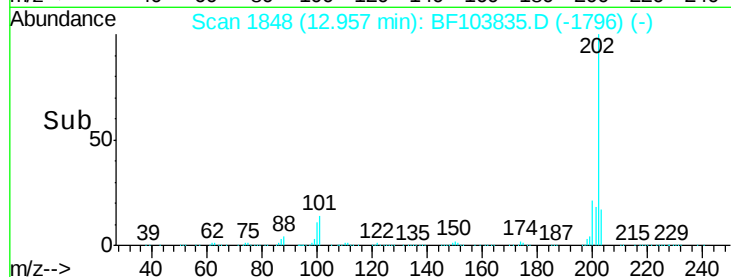
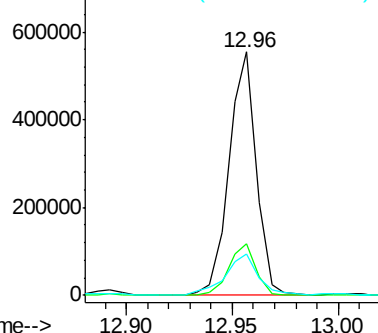
Tot Ion:	202	Resp:	498546
Ion Ratio	Lower	Upper	
202	100		
200	21.1	17.4	26.2
203	17.2	14.3	21.5

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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: 3.697 ng

RT: 13.09 min Scan# 1870

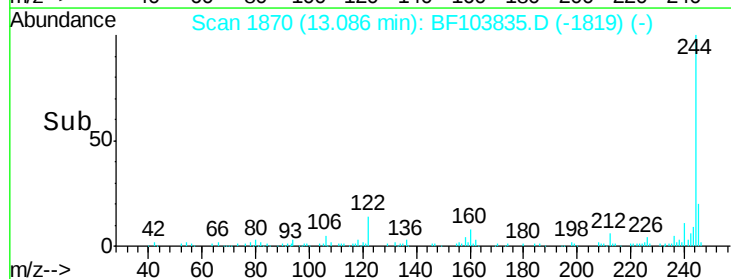
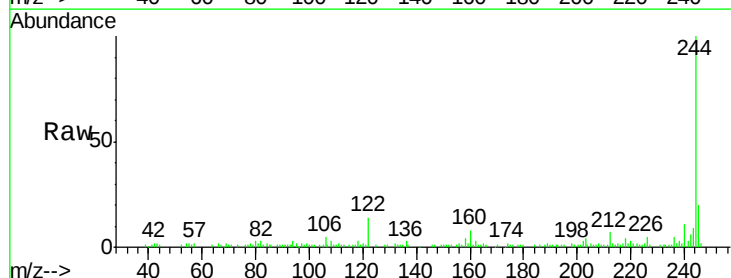
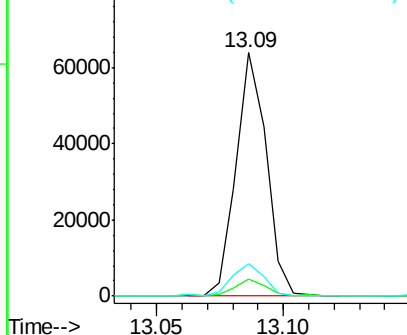
Delta R.T. 0.00 min

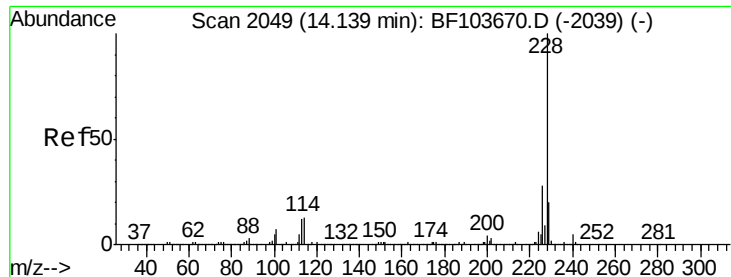
Lab File: BF103835.D

Acq: 21 Mar 2018 6:55

Tgt Ion:	244	Resp:	52965
Ion Ratio	Lower	Upper	
244	100		
212	6.8	5.4	8.0
122	13.5	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





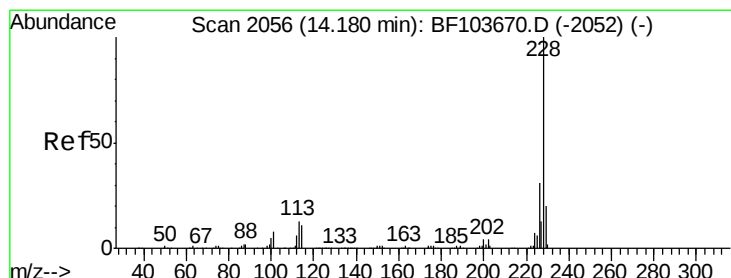
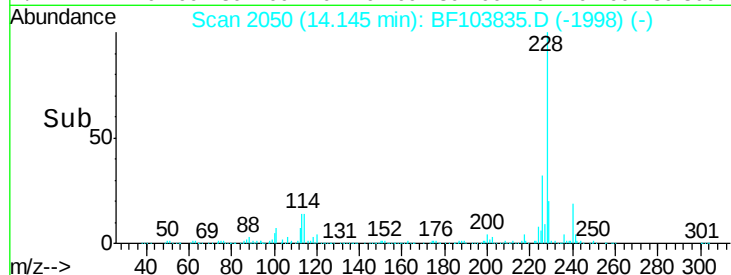
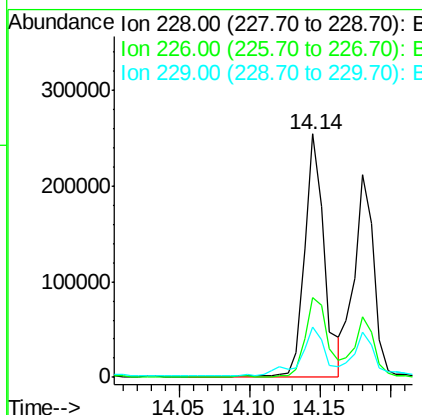
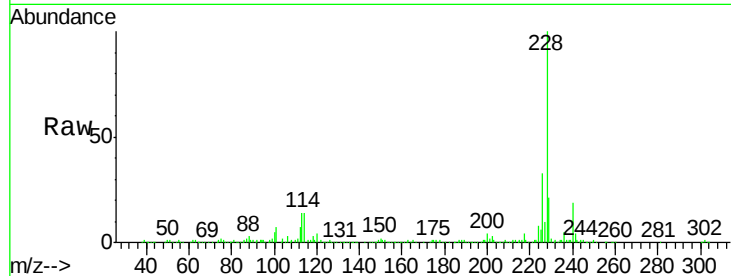
#80
Benzo(a)anthracene
Concen: 11.639 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.01 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.7	22.6	33.8
229	20.9	15.8	23.6

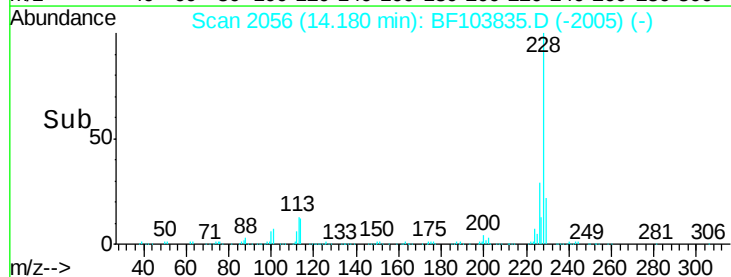
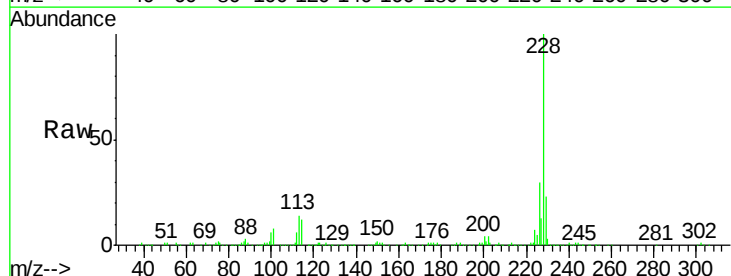
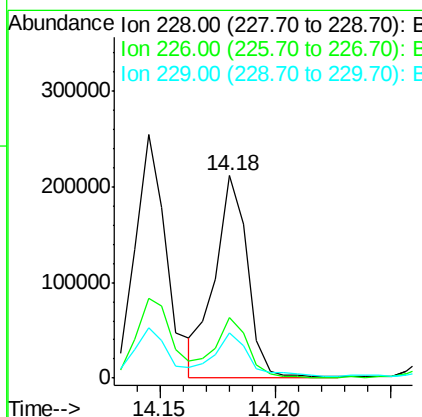
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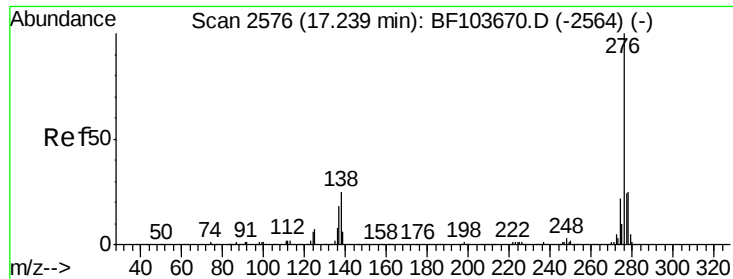
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#82
Chrysene
Concen: 10.230 ng
RT: 14.18 min Scan# 2056
Delta R.T. 0.00 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.6	16.2	24.4





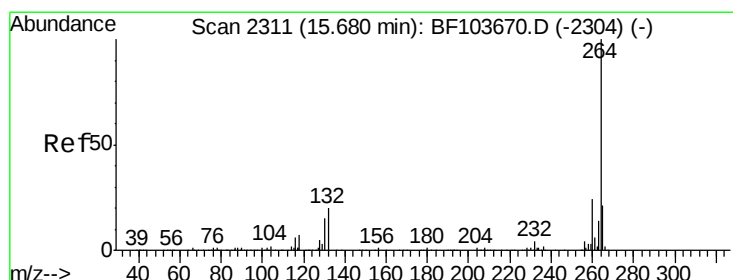
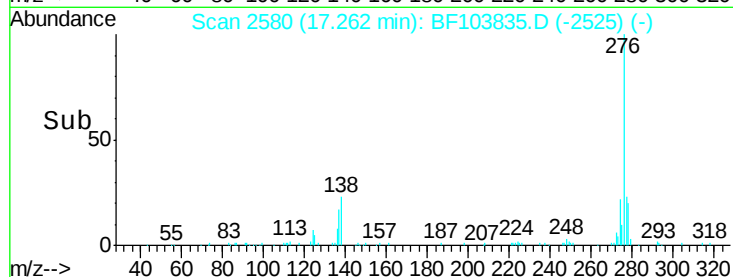
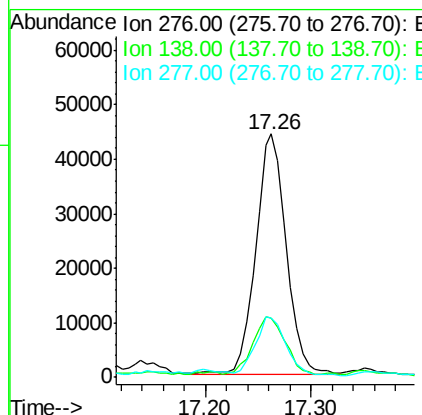
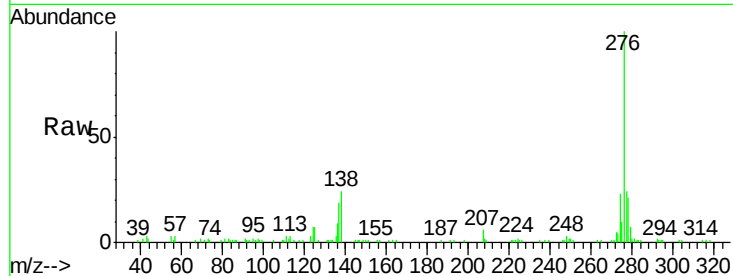
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.049 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.02 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.6	25.0	37.6
277	24.8	20.1	30.1

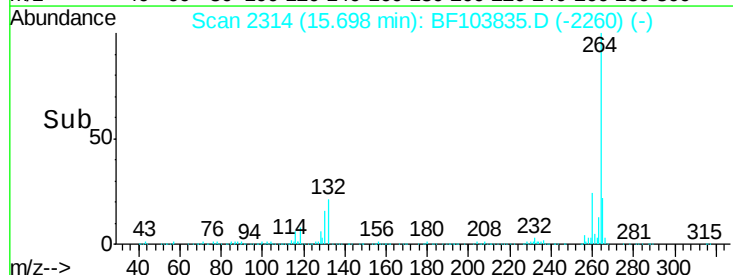
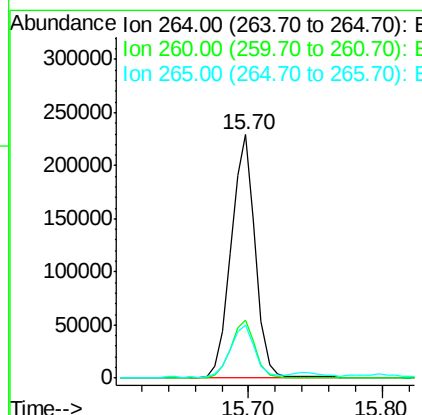
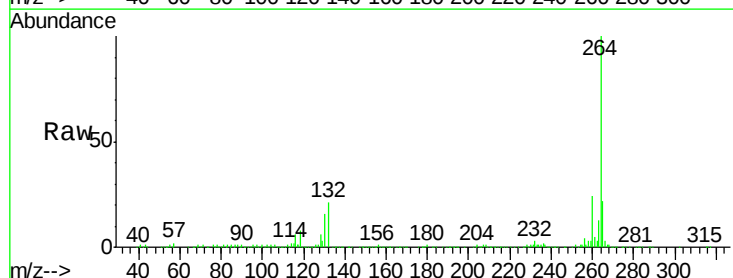
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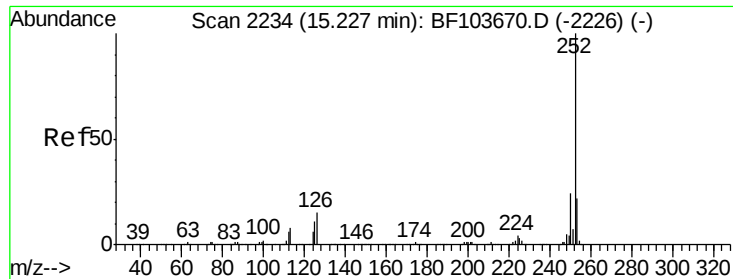
Sohil
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.02 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.9	17.5	26.3





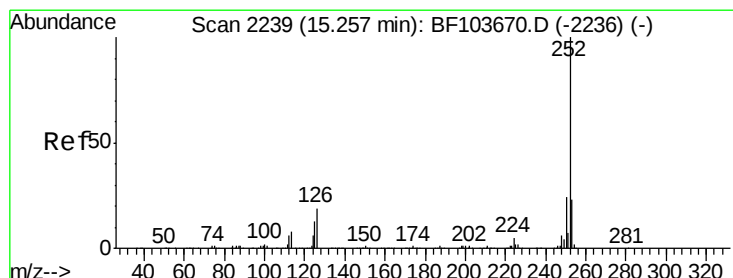
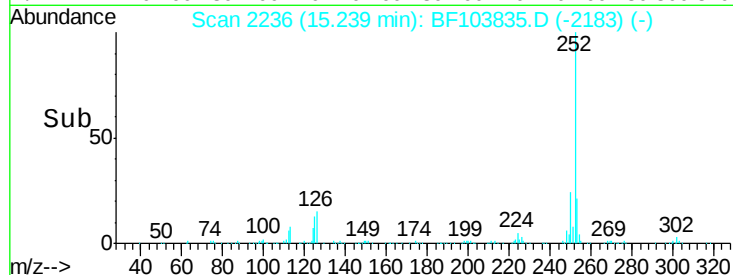
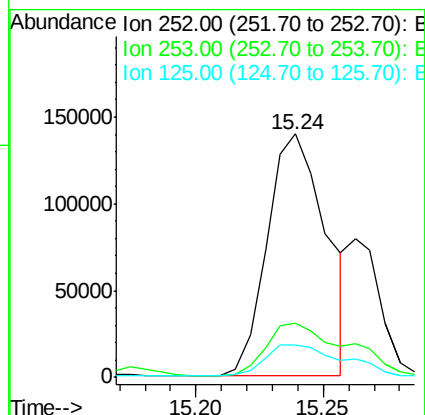
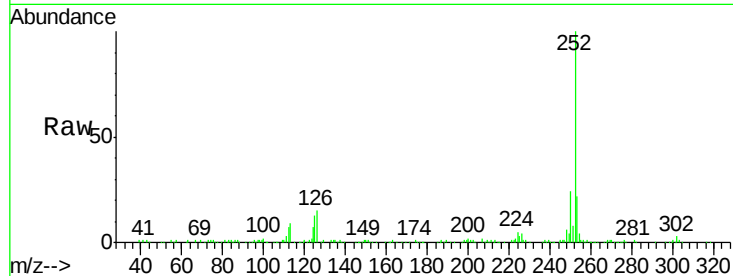
#87
Benzo(b)fluoranthene
Concen: 12.388 ng m
RT: 15.24 min Scan# 2236
Delta R.T. 0.01 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL2

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.0	25.6
125	13.3	9.0	13.6

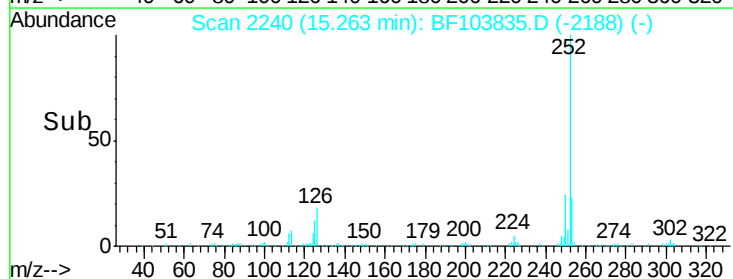
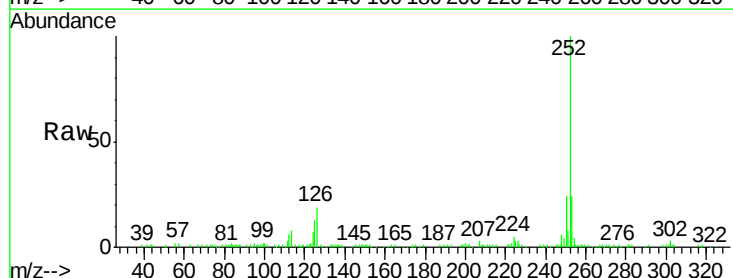
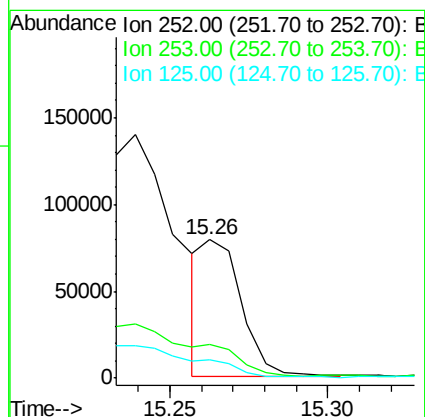
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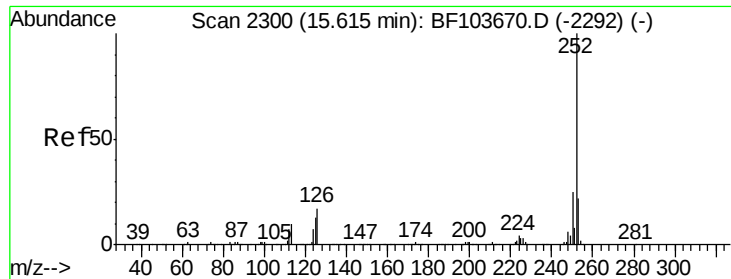
Sohil
3/22/2018 12:58:06 PM



#88
Benzo(k)fluoranthene
Concen: 3.848 ng m
RT: 15.26 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	13.2	10.2	15.2





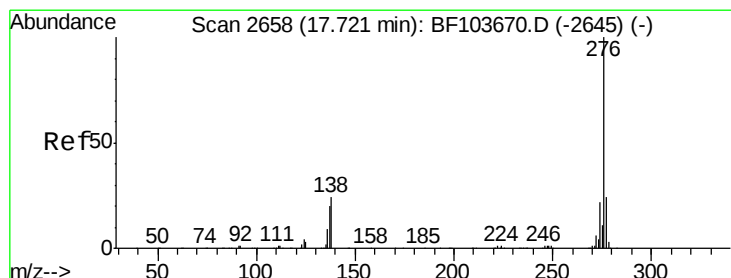
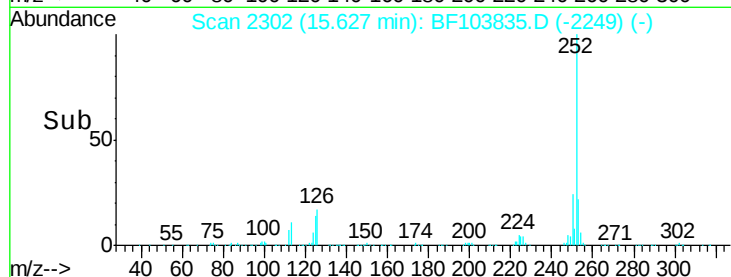
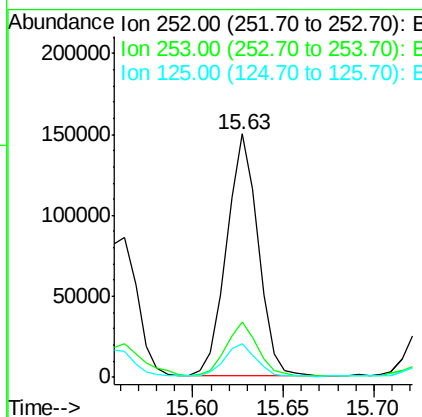
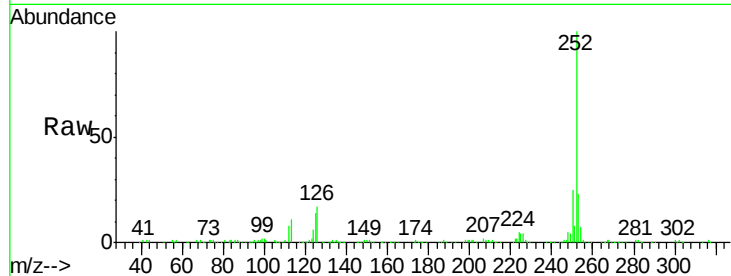
#89
Benzo(a)pyrene
Concen: 10.980 ng
RT: 15.63 min Scan# 2302
Delta R.T. 0.01 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)DL2

Tot Ion:	252	Resp:	181551
Ion Ratio		Lower	Upper
252	100		
253	22.6	17.1	25.7
125	14.0	9.8	14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 6.035 ng
RT: 17.74 min Scan# 2662
Delta R.T. 0.02 min
Lab File: BF103835.D
Acq: 21 Mar 2018 6:55

Tgt Ion:	276	Resp:	84066
Ion Ratio		Lower	Upper
276	100		
277	23.1	17.9	26.9
138	24.8	21.8	32.8

