

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
 Data File : BF113057.D
 Acq On : 14 Mar 2019 18:42
 Operator : JU/SJ
 Sample : K1866-05 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-02-COMP

Manual Integrations
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Sohil
 3/15/2019 10:03:32 AM

Quant Time: Mar 15 08:23:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	191651	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	758221	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	394264	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	783997	20.00	ng	0.00
76) Chrysene-d12	13.86	240	748800	20.00	ng	0.00
87) Perylene-d12	15.27	264	738444	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	217490	17.65	ng	-0.01
7) Phenol-d6	6.36	99	284751	18.40	ng	-0.01
23) Nitrobenzene-d5	7.28	82	153294	12.10	ng	-0.02
42) 2,4,6-Tribromophenol	10.55	330	95842	22.90	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	371353	11.56	ng	-0.01
79) Terphenyl-d14	12.82	244	444085	11.50	ng	0.00
Target Compounds						
71) Phenanthrene	11.26	178	221893	5.689	ng	97
75) Fluoranthene	12.44	202	636051	15.220	ng	95
78) Pyrene	12.67	202	637613	10.101	ng	99
81) Benzo(a)anthracene	13.85	228	344281	6.634	ng	98
83) Chrysene	13.89	228	337238	6.634	ng	98
86) Indeno(1,2,3-cd)pyrene	16.63	276	223485m	5.157	ng	
88) Benzo(b)fluoranthene	14.87	252	426156m	8.922	ng	
89) Benzo(k)fluoranthene	14.89	252	157474m	3.640	ng	
90) Benzo(a)pyrene	15.21	252	321648	7.613	ng	97
92) Benzo(g,h,i)perylene	17.03	276	201256	5.559	ng	97

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

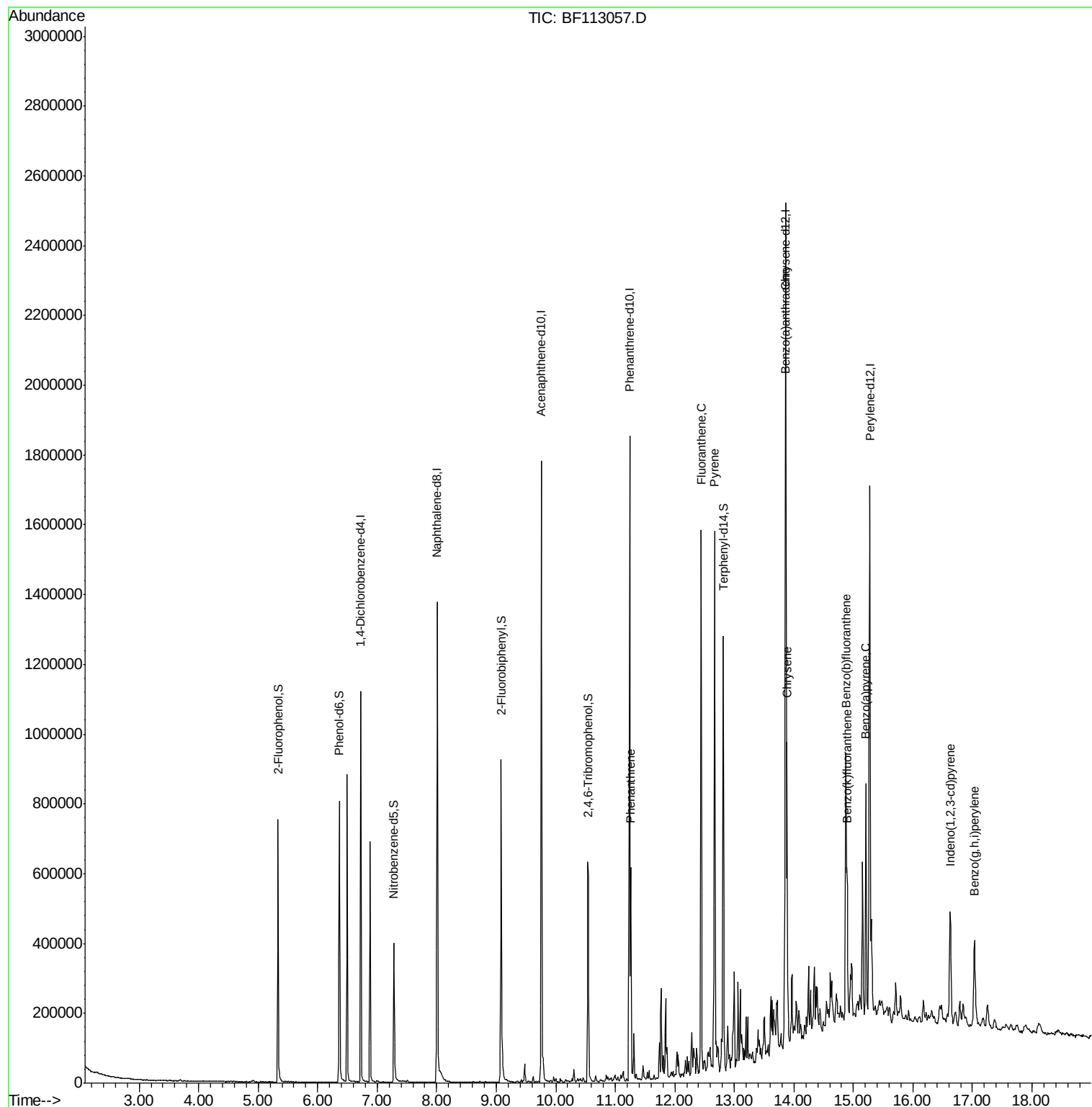
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF031419\
Data File : BF113057.D
Acq On : 14 Mar 2019 18:42
Operator : JU/SJ
Sample : K1866-05 5X
Misc :
ALS Vial : 11 Sample Multiplier: 1

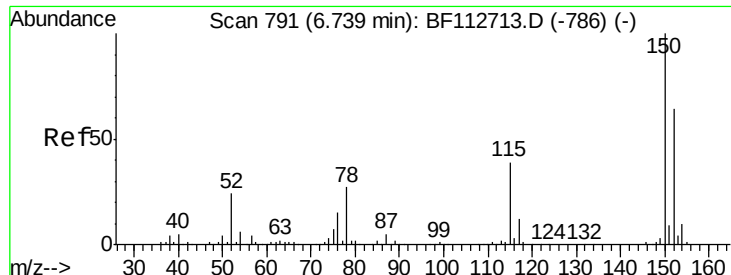
Instrument :
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MR-MH-02-COMP

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#1

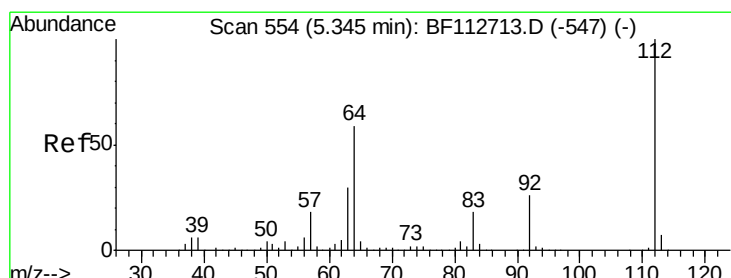
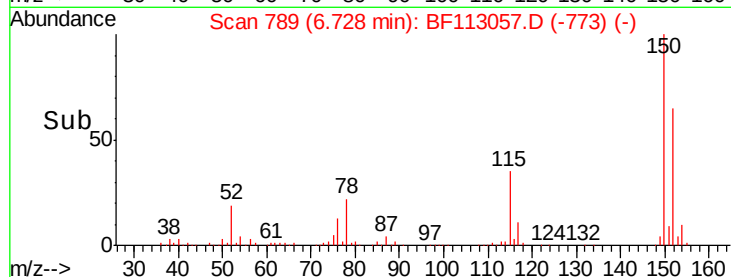
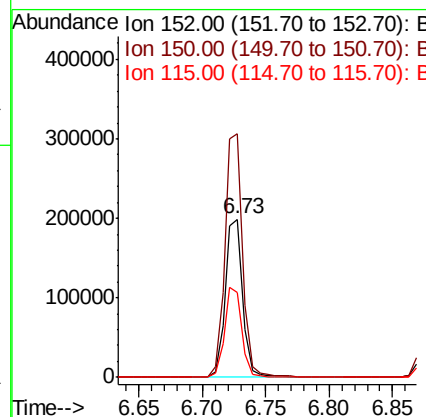
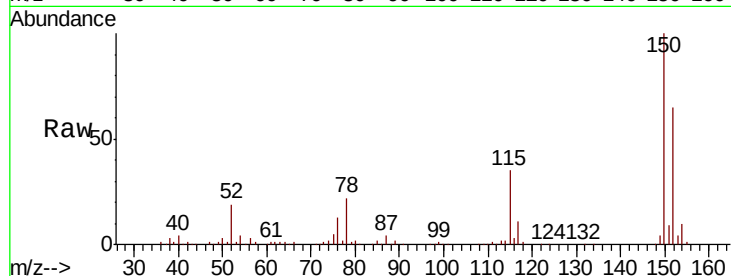
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_F
ClientSampleId :
MR-MH-02-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.2	186.2
115	53.8	48.2	72.4

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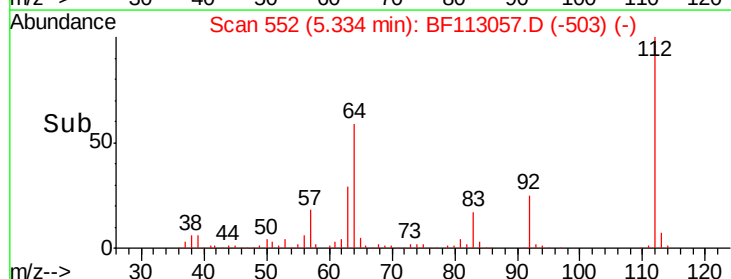
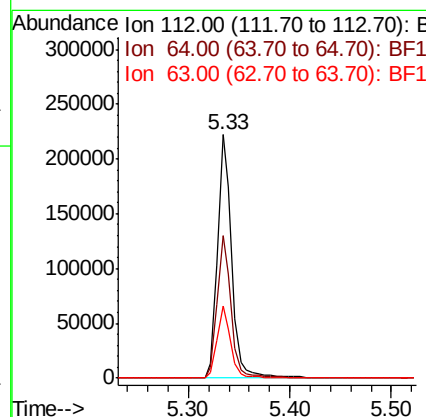
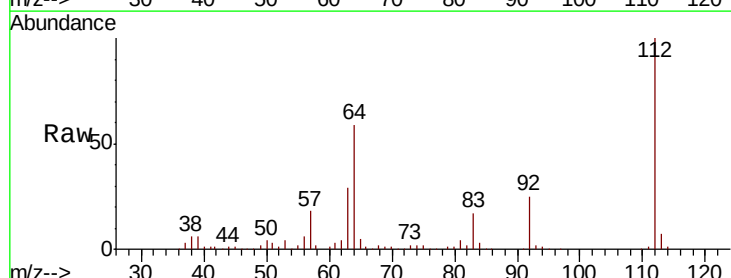
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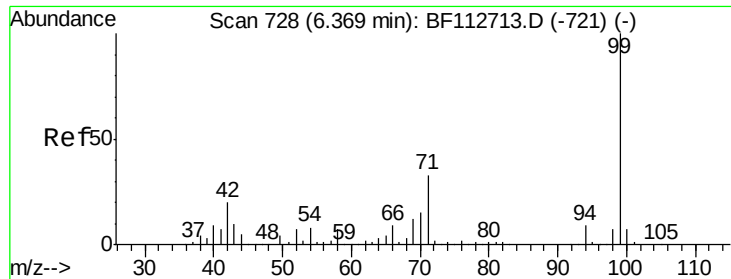


#5

2-Fluorophenol
Concen: 17.653 ng
RT: 5.33 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.6	47.6	71.4
63	29.4	24.4	36.6





#7

Phenol-d6

Concen: 18.399 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

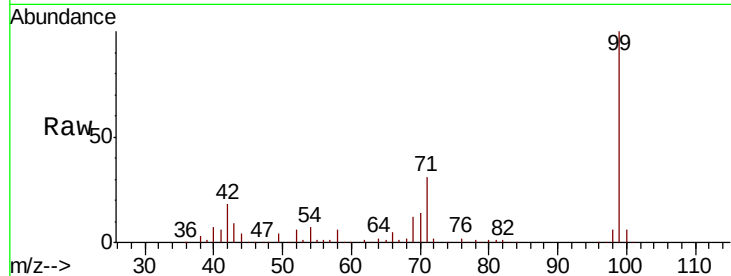
ClientSampleId :

MR-MH-02-COMP

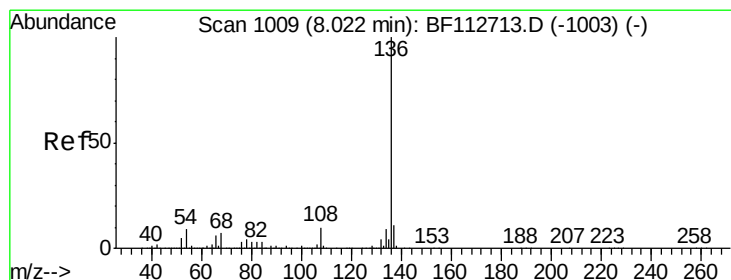
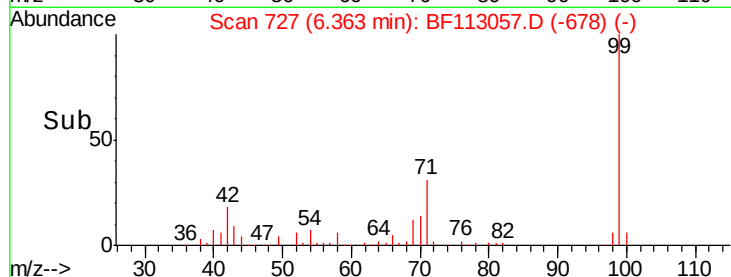
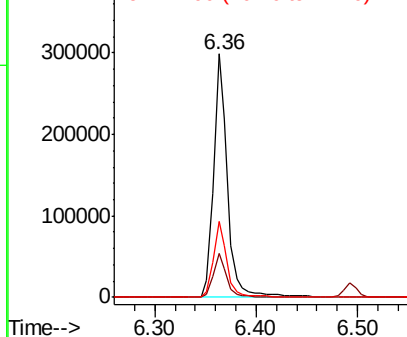
Tot Ion:	99	Resp:	284751
Ion Ratio	Lower	Upper	
99	100		
42	18.2	16.3	24.5
71	31.1	26.2	39.4

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

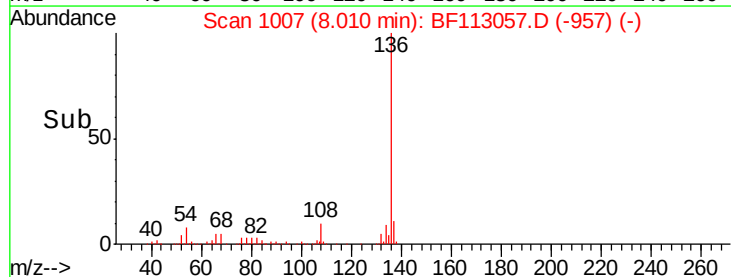
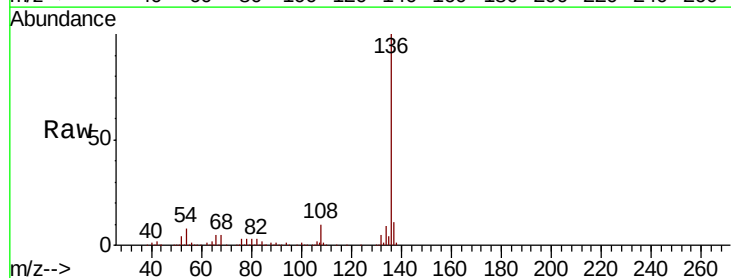
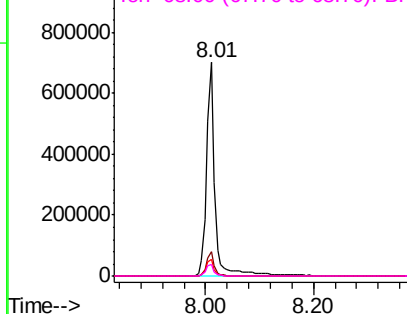
Delta R.T. -0.01 min

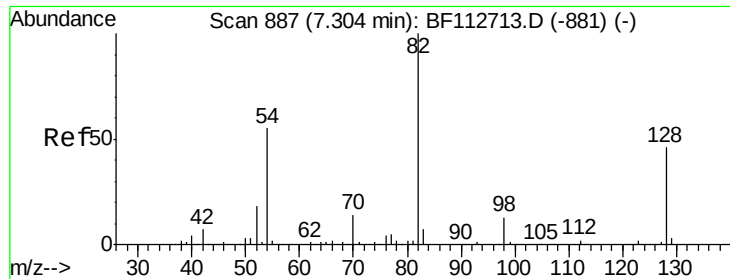
Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Tgt Ion:	136	Resp:	758221
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	7.8	7.3	10.9
68	5.4	5.4	8.2#

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





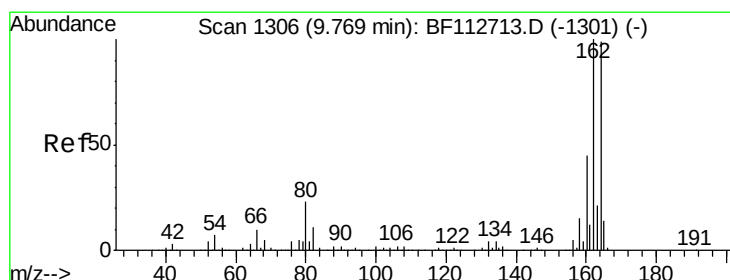
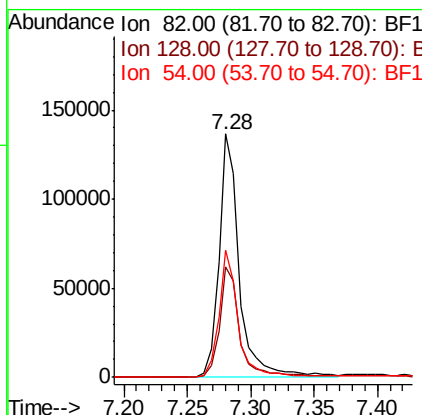
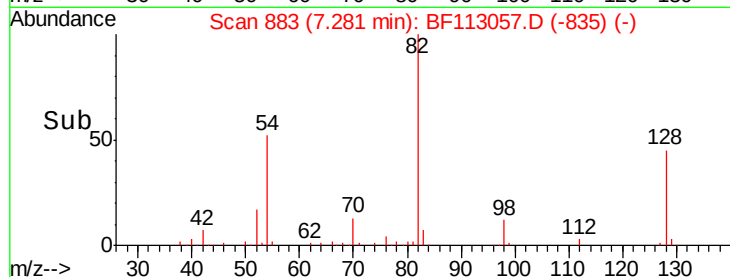
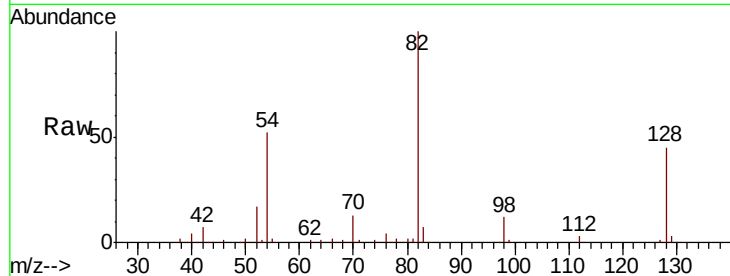
#23
 Nitrobenzene-d5
 Concen: 12.098 ng
 RT: 7.28 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF113057.D
 Acq: 14 Mar 2019 18:42

Instrument :
 BNA_F
 ClientSampled :
 MR-MH-02-COMP

Tot Ion	82	Resp	153294
Ion Ratio	Lower	Upper	
82	100		
128	45.3	36.3	54.5
54	52.4	43.7	65.5

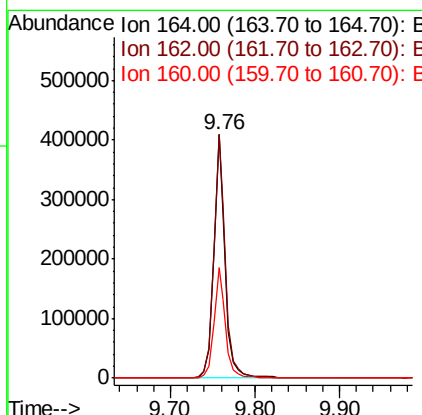
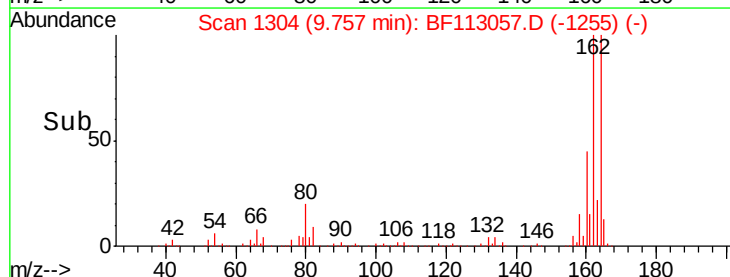
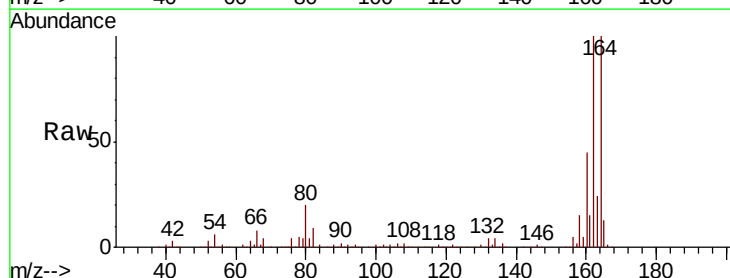
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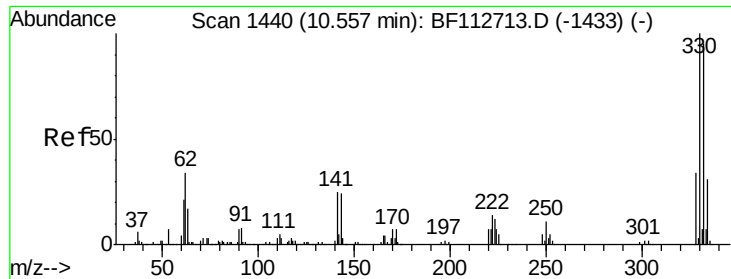
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#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF113057.D
 Acq: 14 Mar 2019 18:42

Tgt Ion	164	Resp	394264
Ion Ratio	Lower	Upper	
164	100		
162	100.0	80.6	120.8
160	45.4	36.0	54.0





#42

2,4,6-Tribromophenol

Concen: 22.898 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

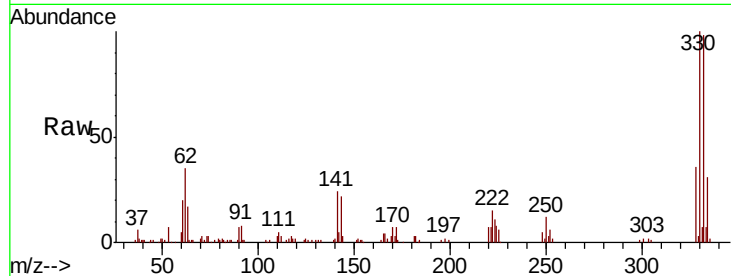
ClientSampleId :

MR-MH-02-COMP

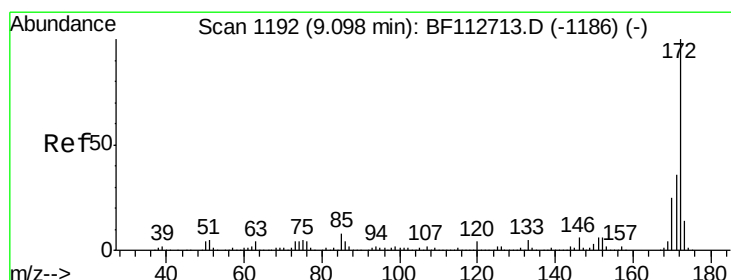
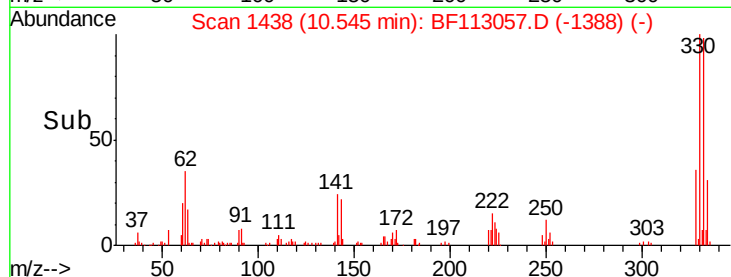
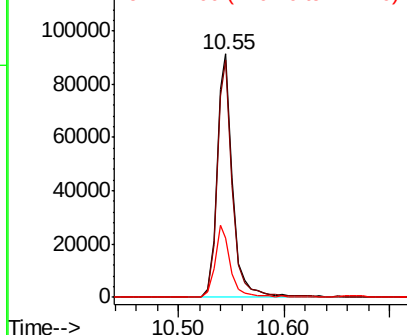
Tot Ion:	330	Resp:	95842
Ion Ratio	Lower	Upper	
330	100		
332	95.3	76.2	114.4
141	29.2	27.0	40.6

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Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 11.560 ng

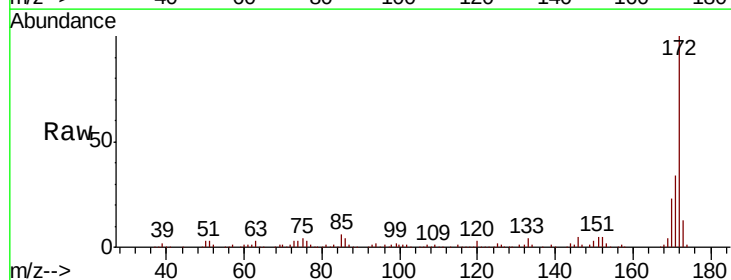
RT: 9.08 min Scan# 1189

Delta R.T. -0.01 min

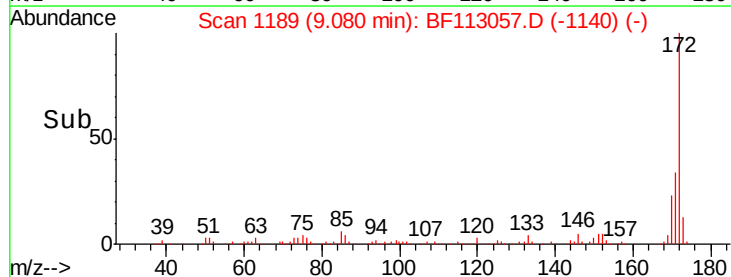
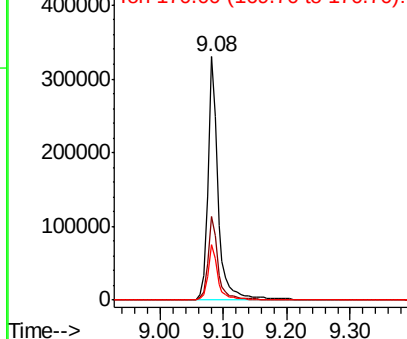
Lab File: BF113057.D

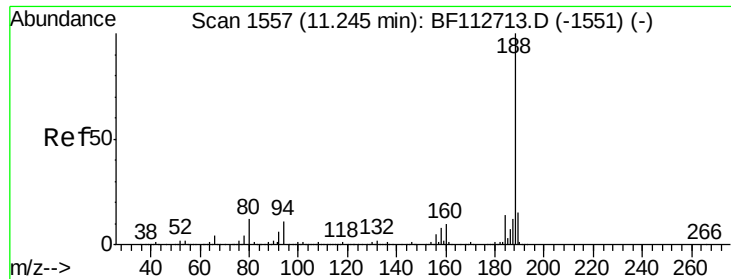
Acq: 14 Mar 2019 18:42

Tgt Ion:	172	Resp:	371353
Ion Ratio	Lower	Upper	
172	100		
171	34.5	29.0	43.4
170	22.9	20.0	30.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

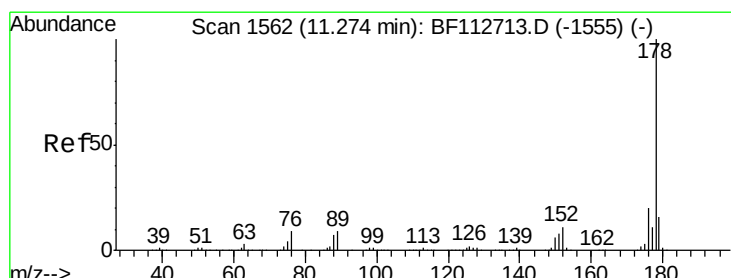
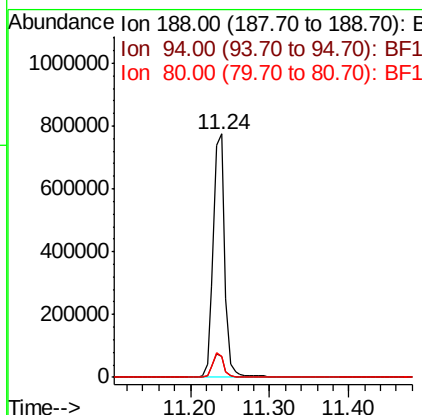
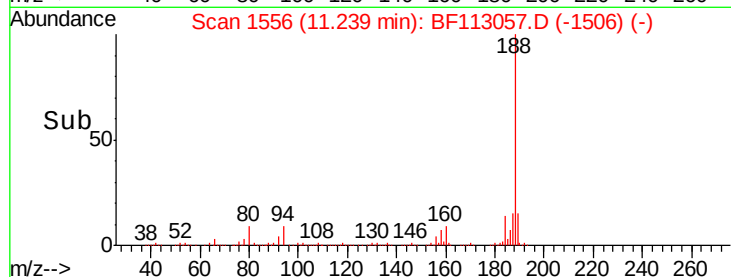
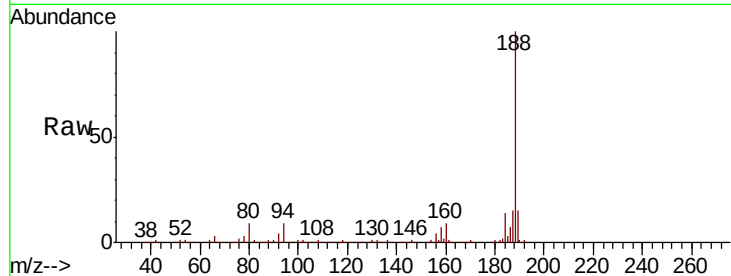
ClientSampleId :

MR-MH-02-COMP

Tot Ion:	188	Resp:	783997
Ion Ratio	Lower	Upper	
188	100		
94	8.7	9.0	13.4#
80	8.7	9.2	13.8#

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#71

Phenanthrene

Concen: 5.689 ng

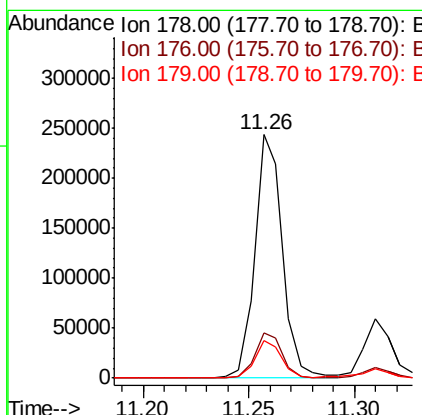
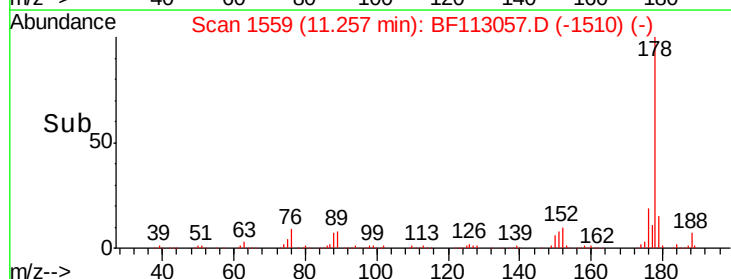
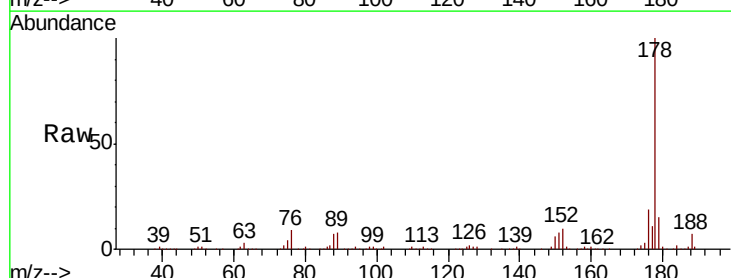
RT: 11.26 min Scan# 1559

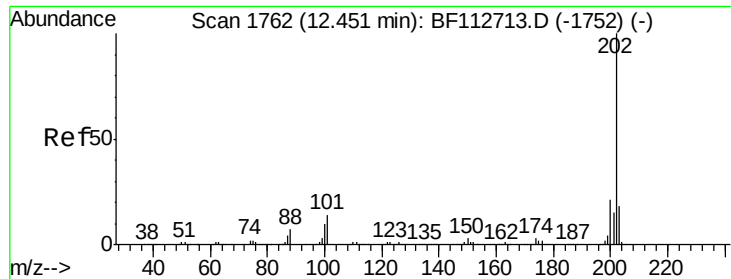
Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Tgt Ion:	178	Resp:	221893
Ion Ratio	Lower	Upper	
178	100		
176	18.6	16.3	24.5
179	15.2	12.7	19.1





#75

Fluoranthene

Concen: 15.220 ng

RT: 12.44 min Scan# 1761

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

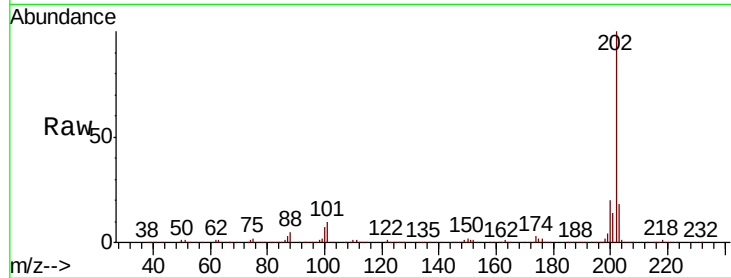
ClientSampleId :

MR-MH-02-COMP

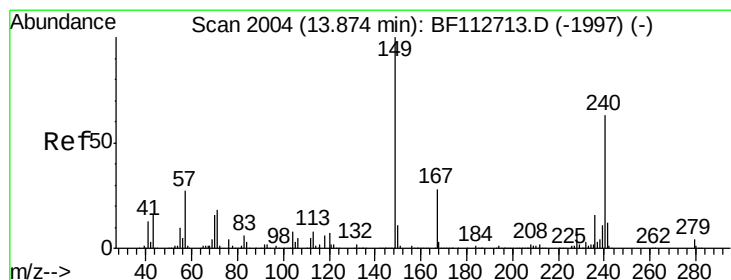
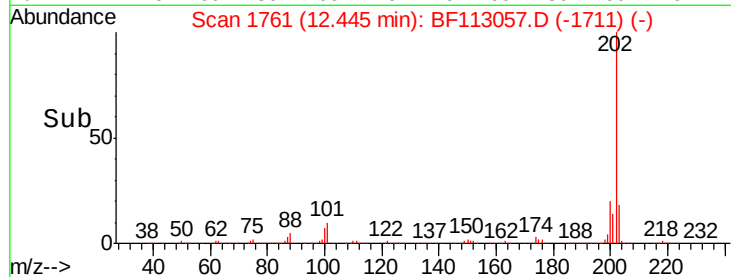
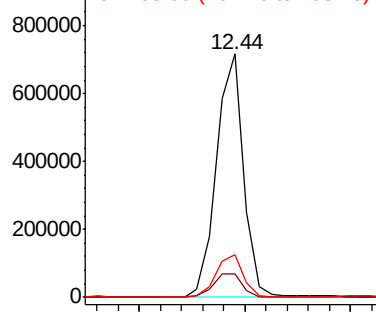
Tot Ion:	202	Resp:	636051
Ion Ratio		Lower	Upper
202	100		
101	9.8	0.0	33.8
203	17.5	0.0	38.4

Manual Integrations
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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

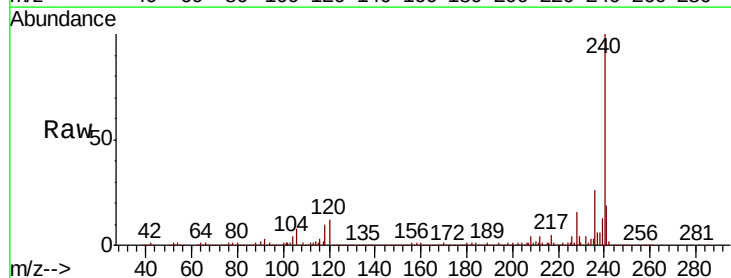
RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

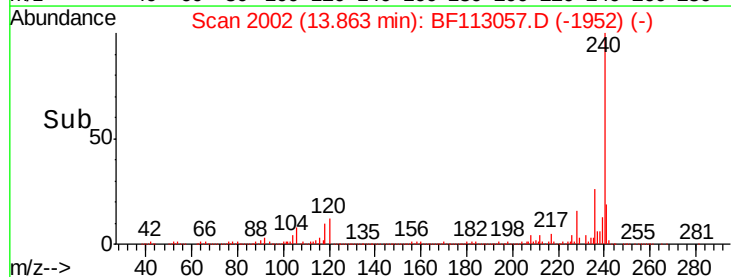
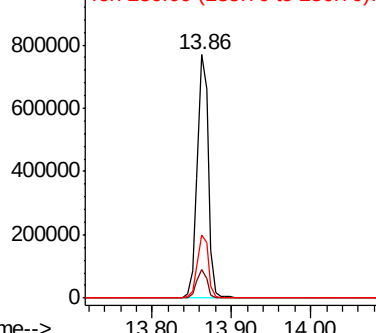
Lab File: BF113057.D

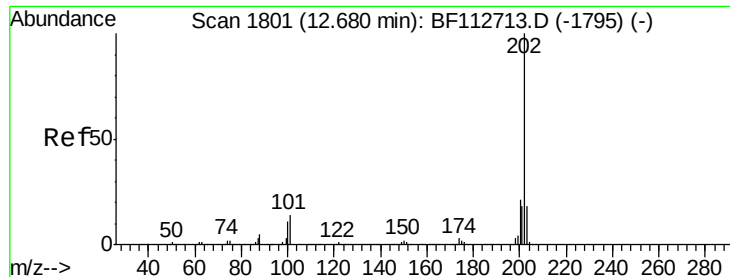
Acq: 14 Mar 2019 18:42

Tgt Ion:	240	Resp:	748800
Ion Ratio		Lower	Upper
240	100		
120	11.7	8.9	13.3
236	26.1	20.7	31.1



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





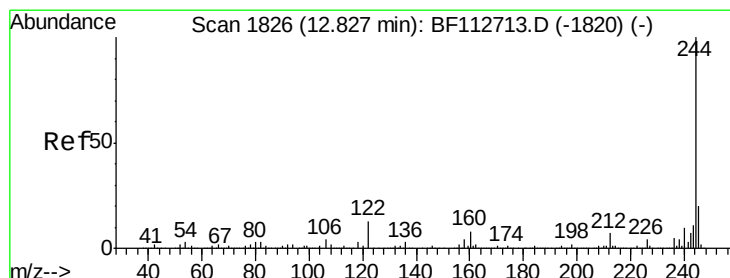
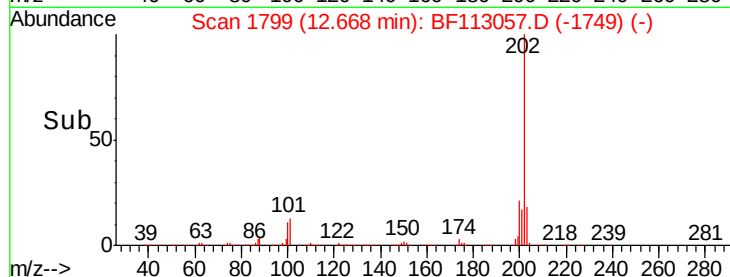
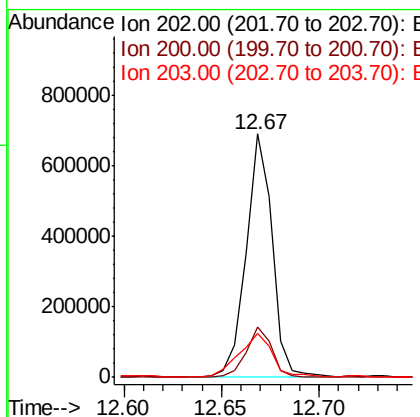
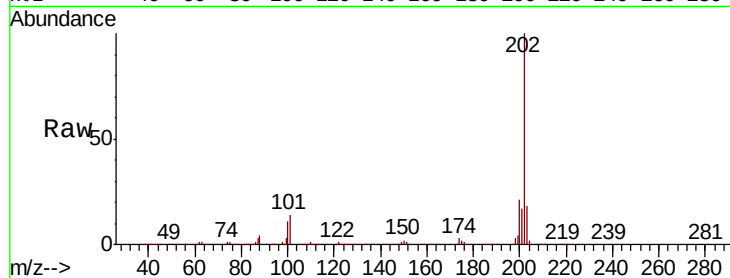
#78
Pvrene
Concen: 10.101 ng
RT: 12.67 min Scan# 1799
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_F
ClientSampleId :
MR-MH-02-COMP

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.0	25.4
203	18.1	14.4	21.6

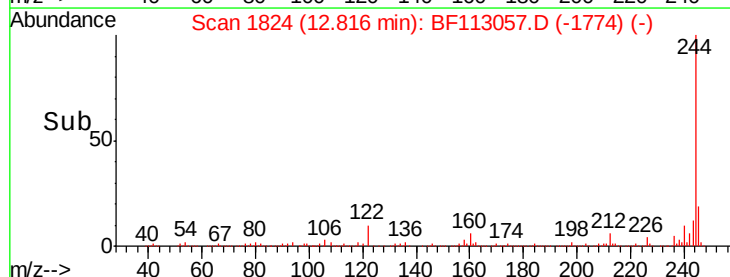
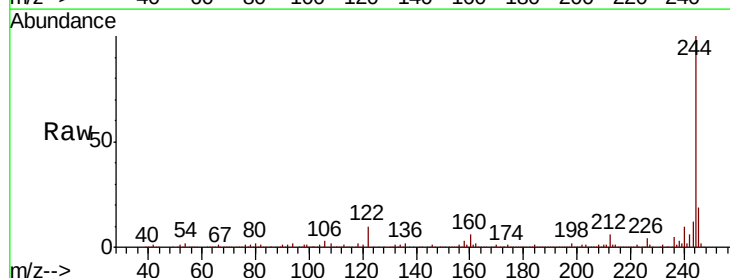
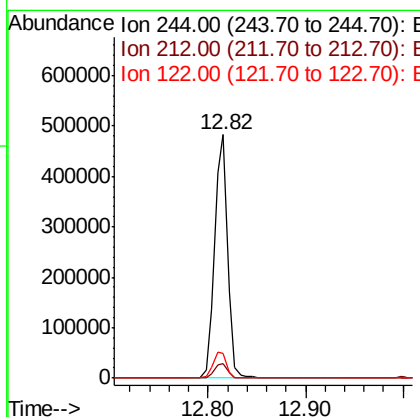
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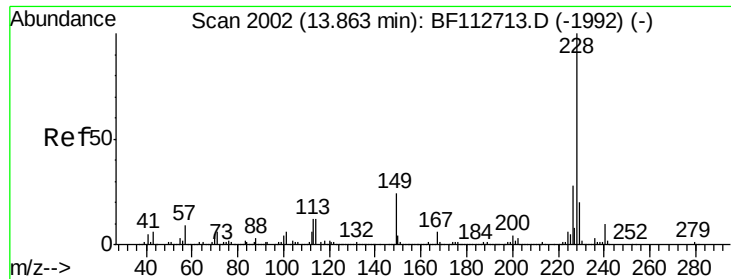
Sohil
3/15/2019 10:03:32 AM



#79
Terphenyl-d14
Concen: 11.496 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.6	8.4
122	10.1	10.5	15.7#





#81

Benzo(a)anthracene

Concen: 6.634 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_F

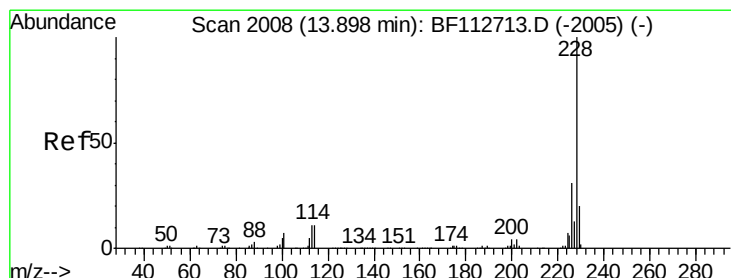
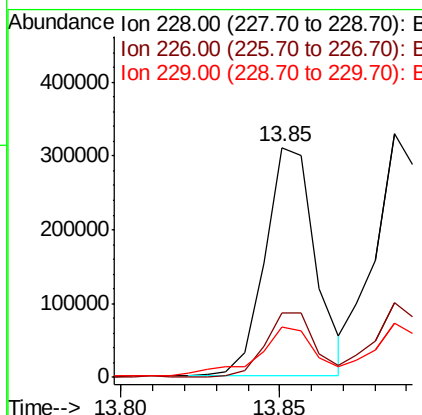
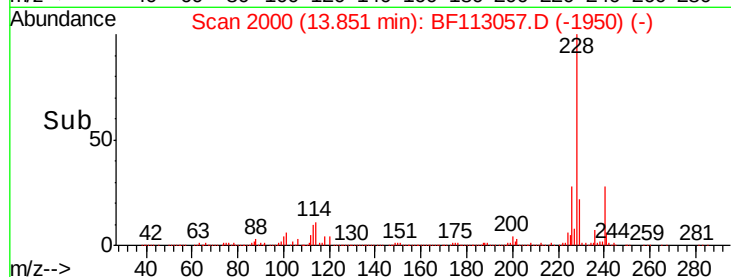
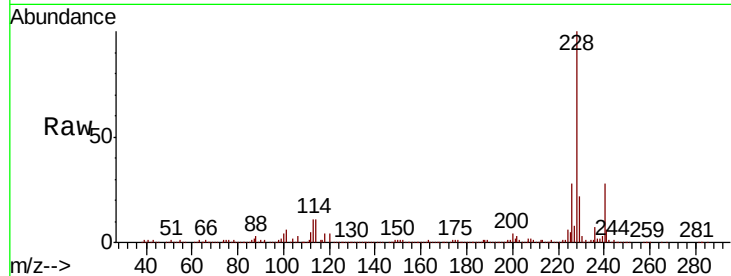
ClientSampleId :

MR-MH-02-COMP

Tot Ion:	228	Resp:	344281
Ion Ratio	Lower	Upper	
228	100		
226	27.9	22.2	33.4
229	22.0	16.0	24.0

Manual Integrations
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Sohil
3/15/2019 10:03:32 AM



#83

Chrysene

Concen: 6.634 ng

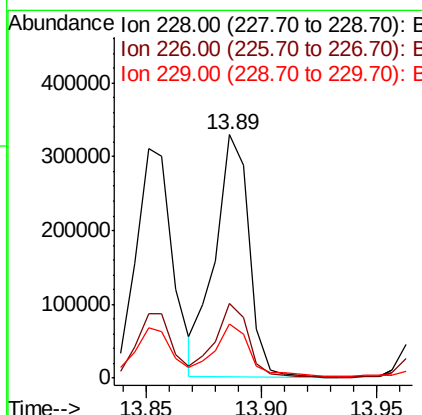
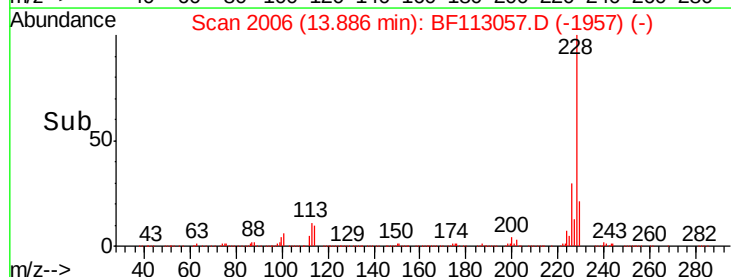
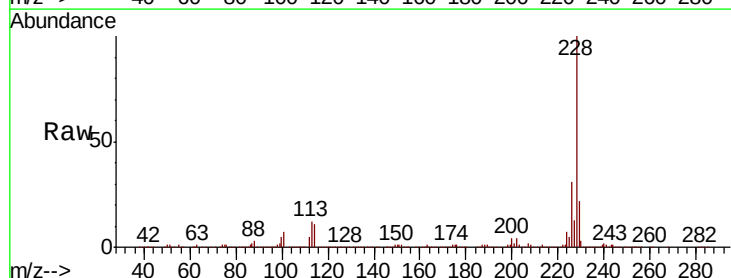
RT: 13.89 min Scan# 2006

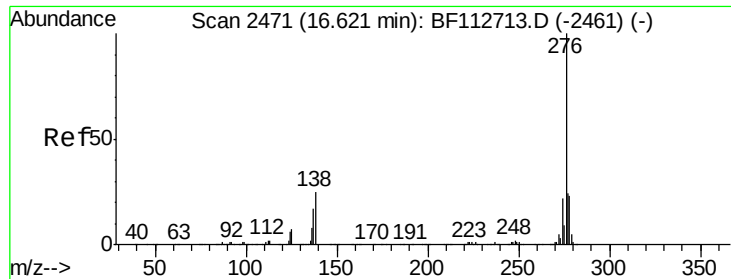
Delta R.T. -0.01 min

Lab File: BF113057.D

Acq: 14 Mar 2019 18:42

Tgt Ion:	228	Resp:	337238
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.9	37.3
229	22.3	16.3	24.5





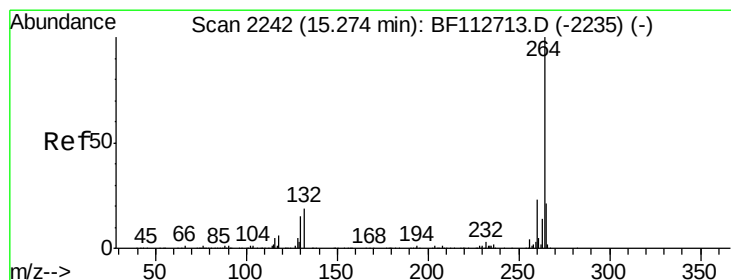
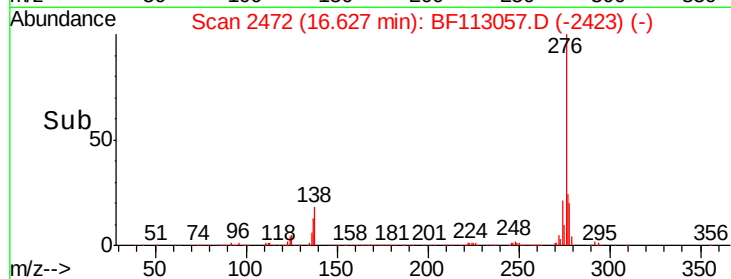
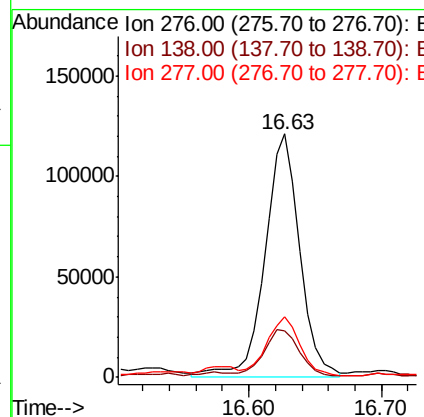
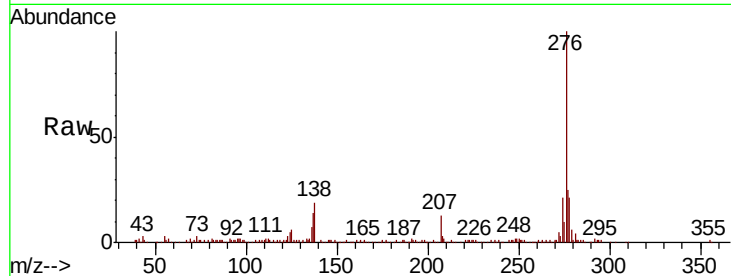
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.157 ng/ml
 RT: 16.63 min Scan# 2472
 Delta R.T. -0.01 min
 Lab File: BF113057.D
 Acq: 14 Mar 2019 18:42

Instrument :
 BNA_F
 ClientSampleId :
 MR-MH-02-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
138	3.9	23.2	34.8#
277	3.7	19.9	29.9#

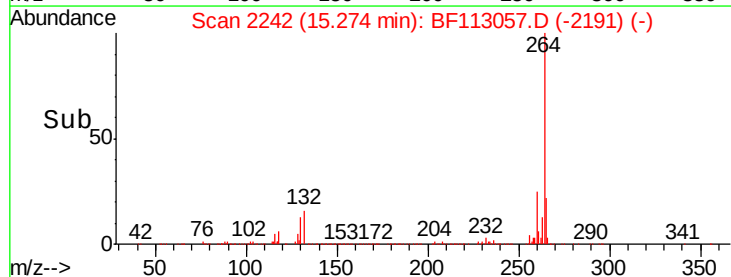
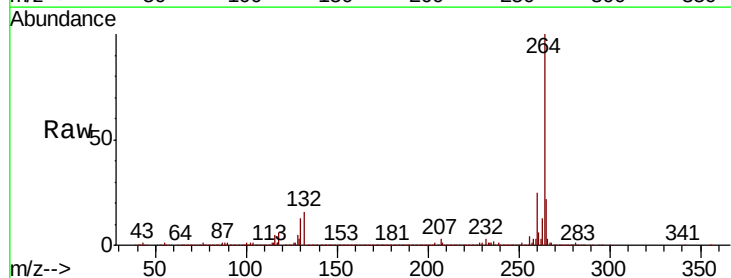
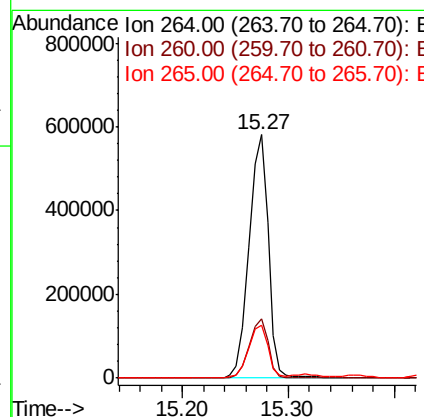
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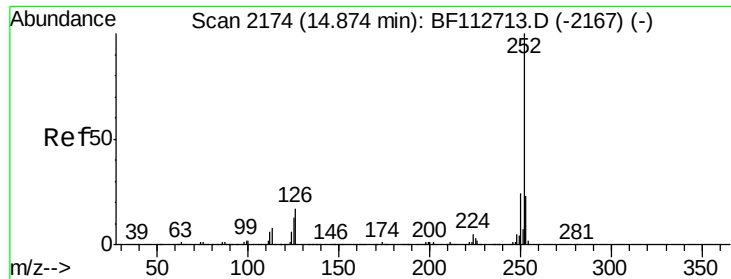
Sohil
 3/15/2019 10:03:32 AM



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF113057.D
 Acq: 14 Mar 2019 18:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	18.7	28.1
265	21.7	17.2	25.8





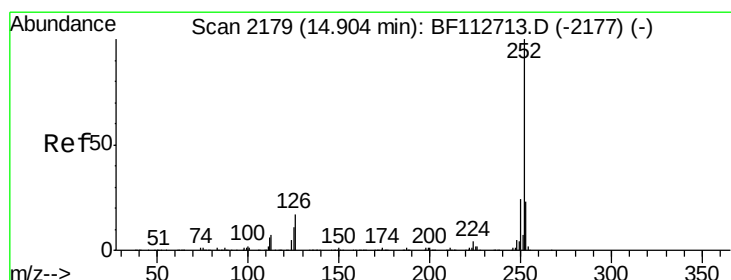
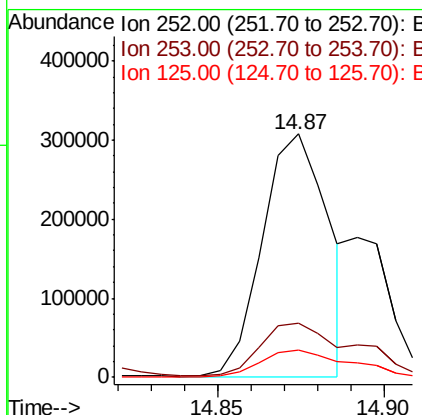
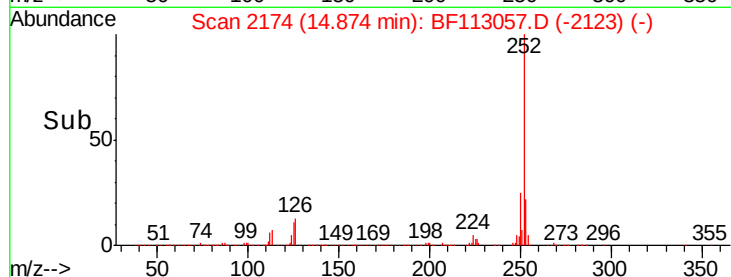
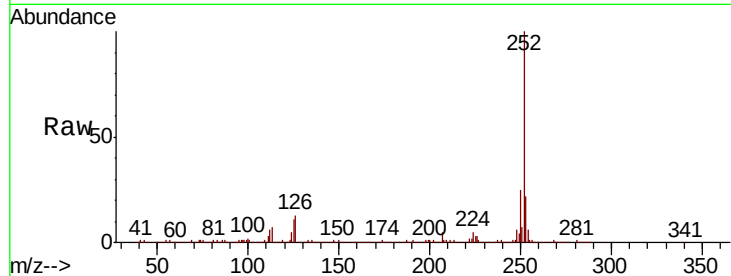
#88
Benzo(b)fluoranthene
Concen: 8.922 ng m
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_F
ClientSampleId :
MR-MH-02-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	11.0	10.2	15.2

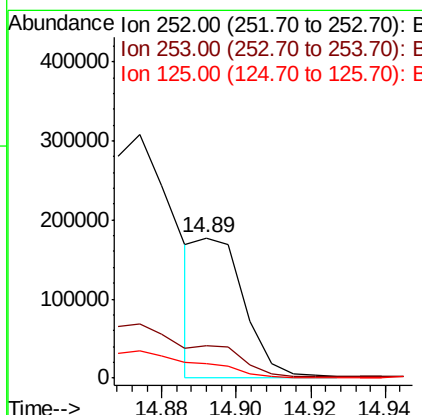
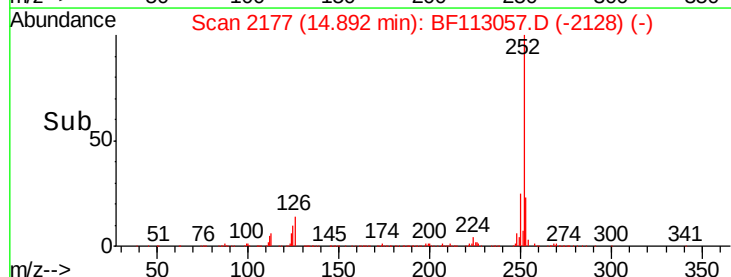
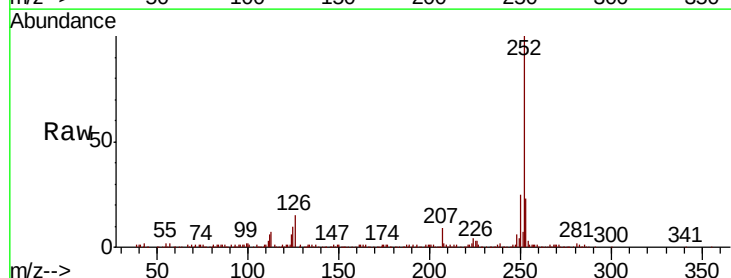
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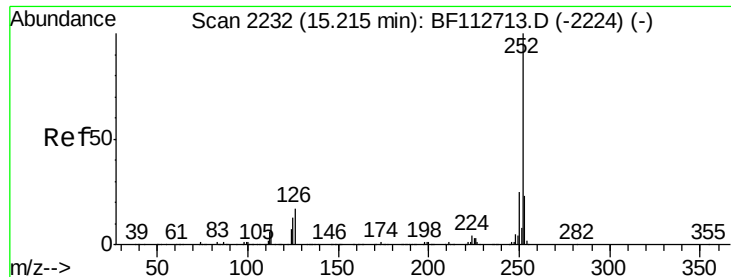
Sohil
3/15/2019 10:03:32 AM



#89
Benzo(k)fluoranthene
Concen: 3.640 ng m
RT: 14.89 min Scan# 2177
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.2	27.2
125	10.0	9.8	14.6





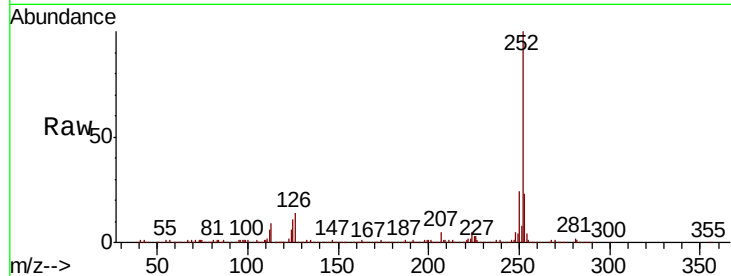
#90
Benzo(a)pyrene
Concen: 7.613 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_F
ClientSampled :
MR-MH-02-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.0	27.0
125	11.1	10.7	16.1

Manual Integrations
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Sohil
3/15/2019 10:03:32 AM

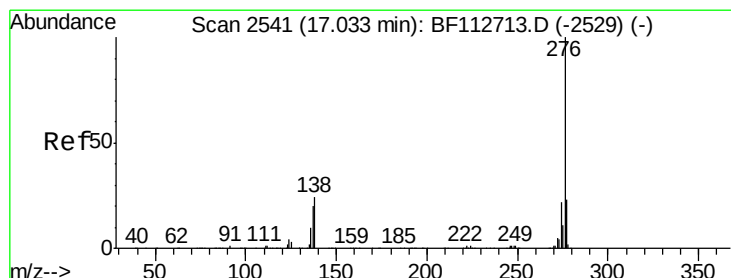
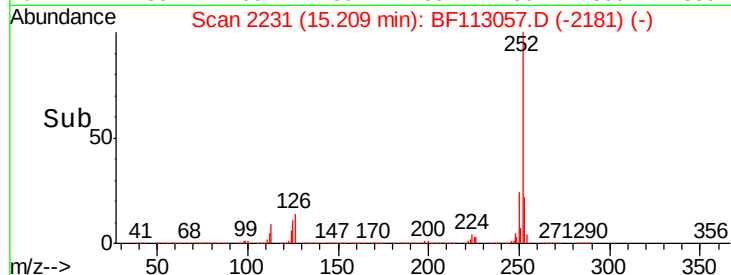
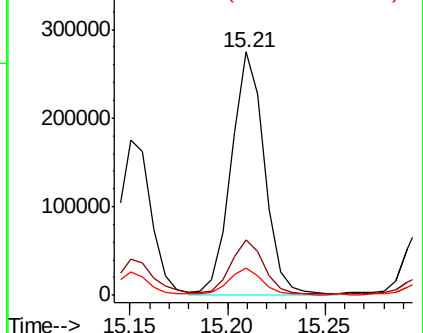


Abundance

Ion 252.00 (251.70 to 252.70): E

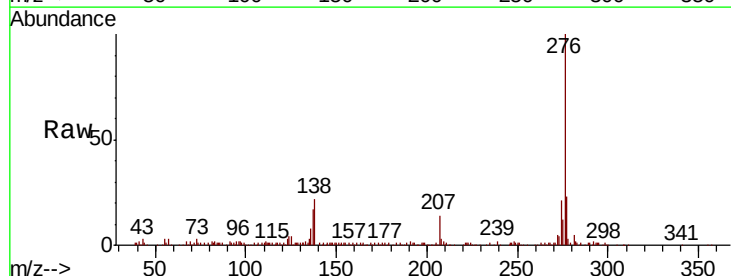
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.559 ng
RT: 17.03 min Scan# 2541
Delta R.T. -0.01 min
Lab File: BF113057.D
Acq: 14 Mar 2019 18:42

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	27.8
138	21.5	19.4	29.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

