

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
 Data File : BM016255.D
 Acq On : 08 Aug 2018 18:18
 Operator : SJ/JU
 Sample : J4313-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C-12

Manual Integrations
 APPROVED

Sohil
 8/9/2018 2:23:59 PM

Quant Time: Aug 09 04:36:22 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM072318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 08 16:23:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.14	152	44878	20.00	ng	0.00
21) Naphthalene-d8	10.95	136	161050	20.00	ng	0.00
38) Acenaphthene-d10	14.77	164	75003	20.00	ng	0.00
63) Phenanthrene-d10	17.50	188	143816	20.00	ng	0.00
75) Chrysene-d12	21.64	240	156475	20.00	ng	0.00
86) Perylene-d12	23.97	264	174928	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	258084	95.53	ng	0.00
7) Phenol-d6	7.30	99	310545	88.02	ng	0.00
23) Nitrobenzene-d5	9.32	82	225763	65.20	ng	0.00
41) 2,4,6-Tribromophenol	16.26	330	80543	84.67	ng	0.00
44) 2-Fluorobiphenyl	13.39	172	403634	65.48	ng	0.00
78) Terphenyl-d14	20.09	244	490127	65.57	ng	0.00
Target Compounds						
49) Dimethylphthalate	14.23	163	26258	4.000	ng	99
70) Phenanthrene	17.55	178	190051	23.604	ng	97
71) Anthracene	17.64	178	38554	4.927	ng	98
72) Carbazole	17.92	167	19260	2.376	ng	95
74) Fluoranthene	19.55	202	313278	34.881	ng	99
77) Pyrene	19.90	202	260497	27.780	ng	98
80) Benzo(a)anthracene	21.62	228	158868	16.484	ng	99
82) Chrysene	21.67	228	137322	14.854	ng	95
85) Indeno(1,2,3-cd)pyrene	26.36	276	95202	8.678	ng	# 96
87) Benzo(b)fluoranthene	23.27	252	205614m	19.964	ng	
88) Benzo(k)fluoranthene	23.31	252	60415m	5.788	ng	
89) Benzo(a)pyrene	23.87	252	137087	13.846	ng	96
90) Dibenzo(a,h)anthracene	26.36	278	29366	2.863	ng	# 85
91) Benzo(g,h,i)perylene	27.10	276	89892	9.265	ng	# 92

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

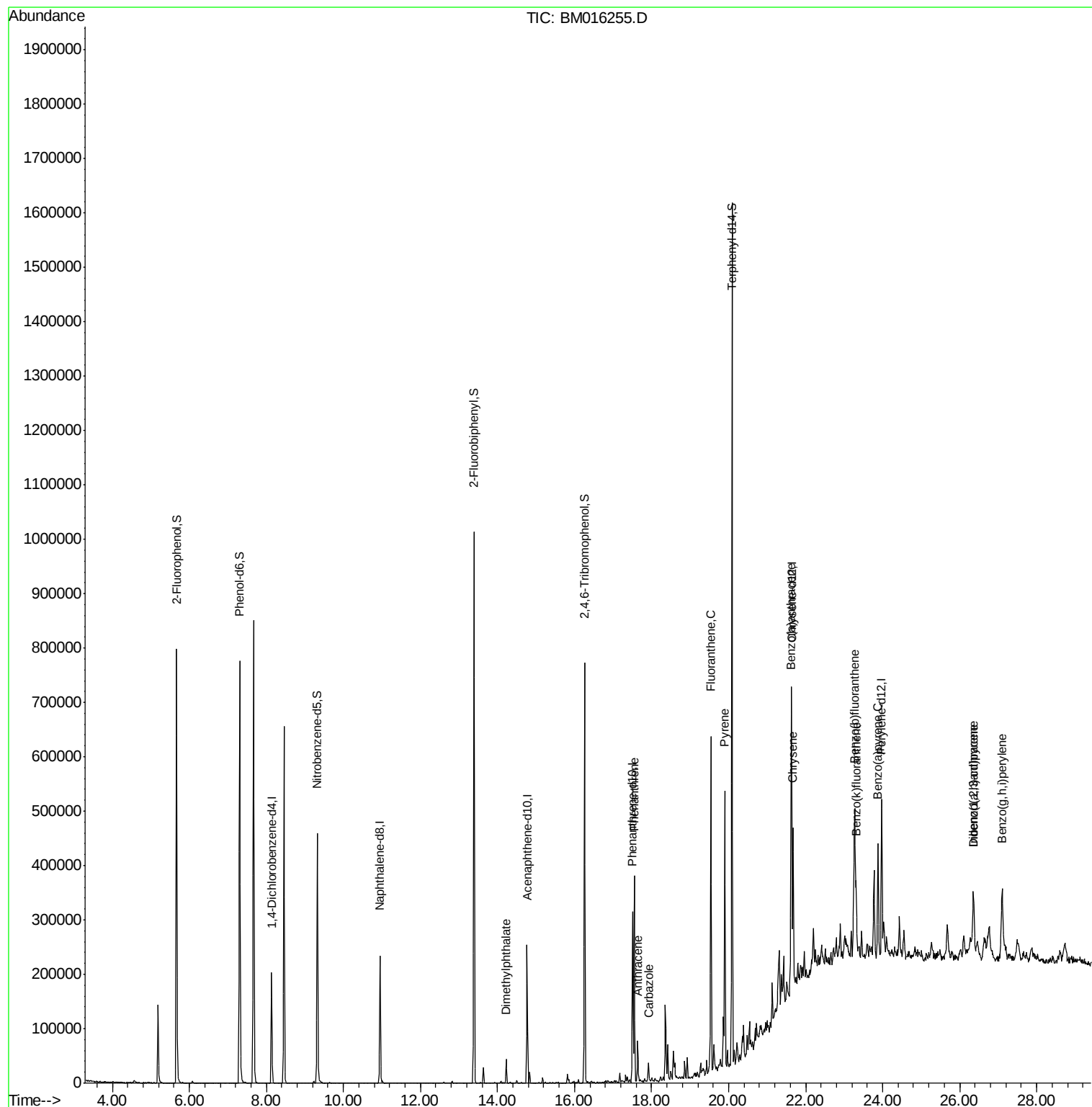
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM080818\
Data File : BM016255.D
Acq On : 08 Aug 2018 18:18
Operator : SJ/JU
Sample : J4313-15
Misc :
ALS Vial : 13 Sample Multiplier: 1

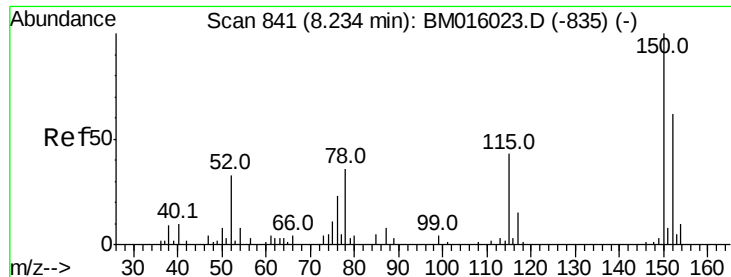
Instrument :
BNA_M
ClientSampled :
C-12

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Response via : Initial Calibration





#1

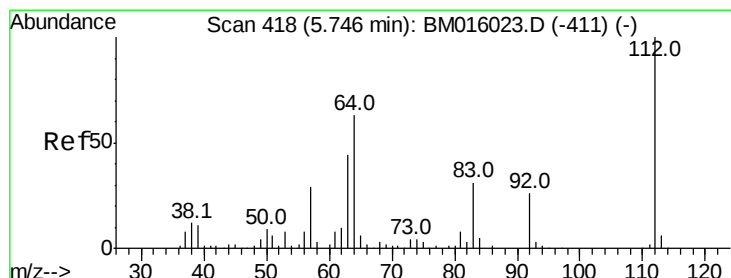
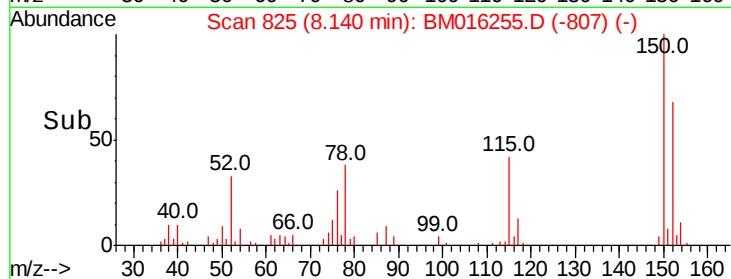
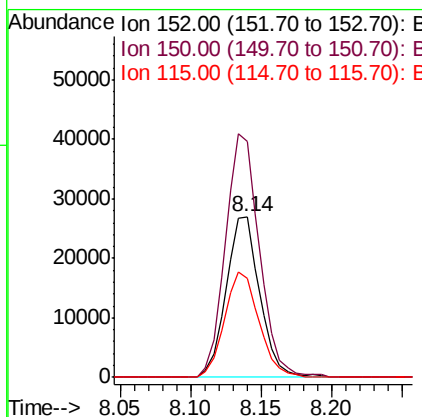
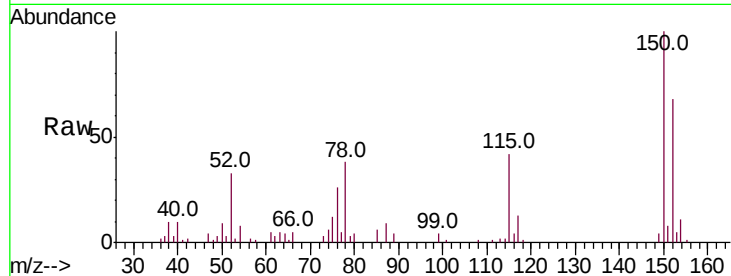
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.14 min Scan# 825
Delta R.T. 0.01 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Instrument :
BNA_M
ClientSampled :
C-12

Tot Ion	Ratio	Lower	Upper
152	100		
150	146.4	119.5	179.3
115	61.7	43.0	64.4

Manual Integrations
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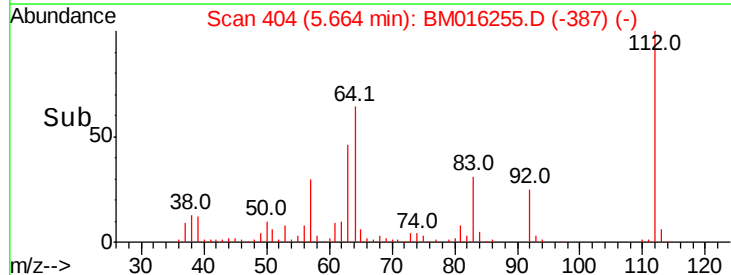
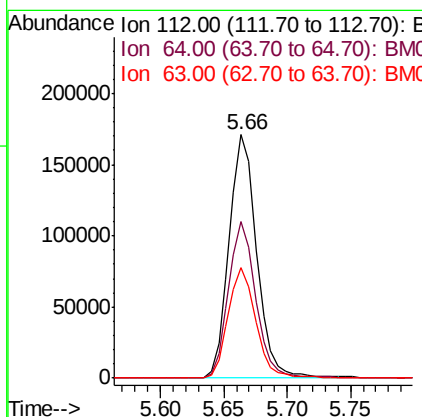
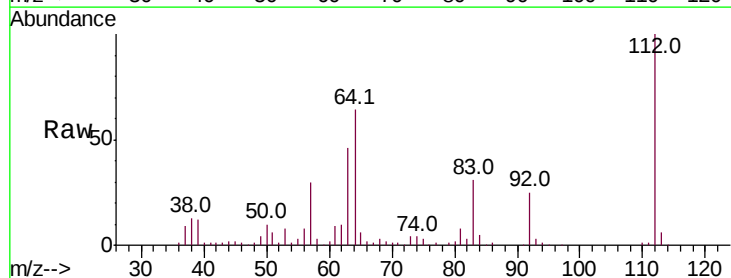
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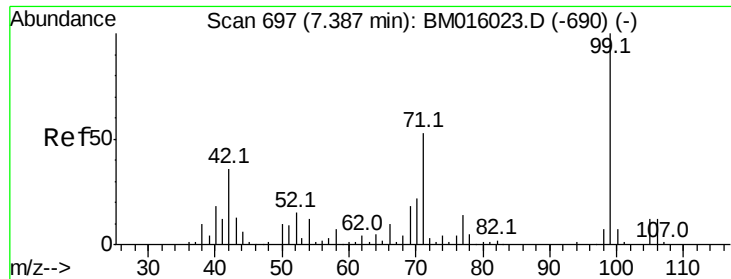


#5

2-Fluorophenol
Concen: Below ng
RT: 5.66 min Scan# 404
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	38.6	57.8#
63	45.5	19.3	28.9#





#7

Phenol-d6

Concen: N.D. ng

RT: 7.30 min Scan# 683

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

ClientSampled :

C-12

Tot Ion: 99 Resp: 310545

Ion Ratio Lower Upper

99 100

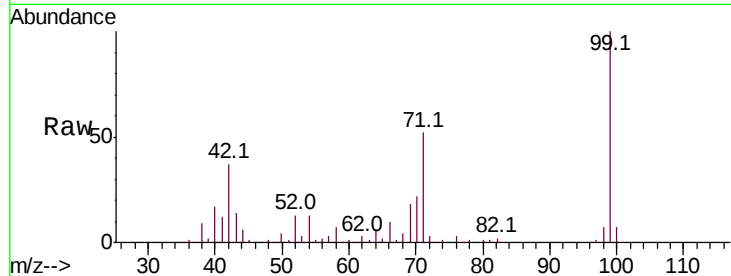
42 36.9 11.0 16.4#

71 52.1 23.4 35.2#

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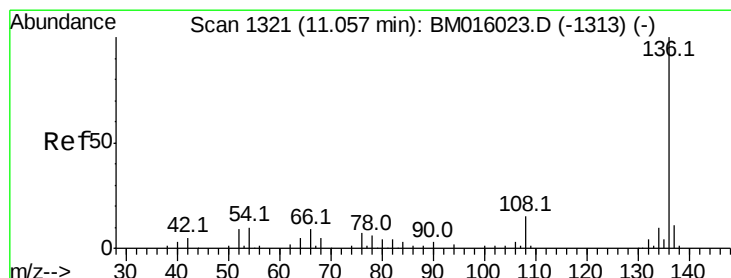
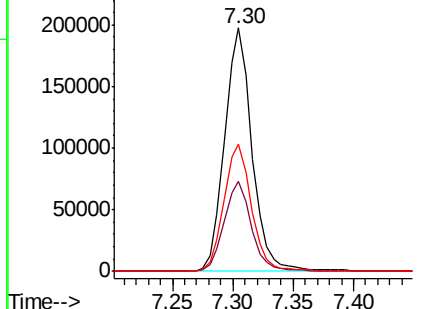
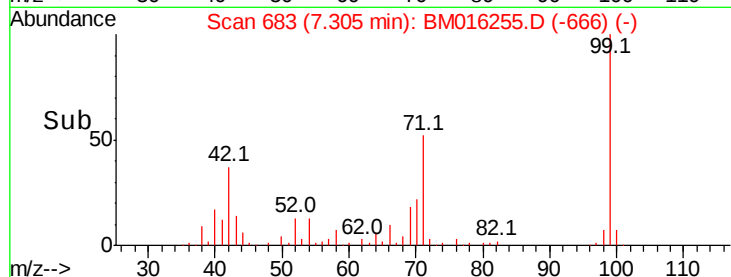
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Abundance Ion 99.00 (98.70 to 99.70): BM016023.D (-690) (-)

Ion 42.00 (41.70 to 42.70): BM016023.D (-690) (-)

Ion 71.00 (70.70 to 71.70): BM016023.D (-690) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.95 min Scan# 1303

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Tgt Ion: 136 Resp: 161050

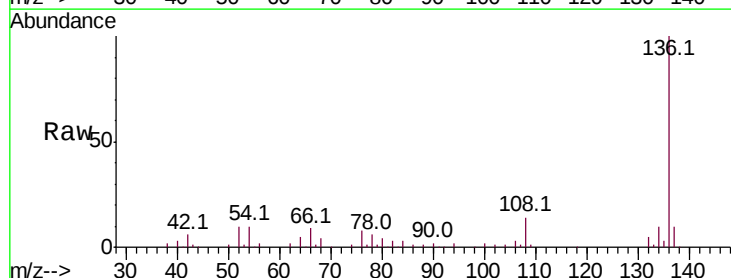
Ion Ratio Lower Upper

136 100

137 10.4 8.7 13.1

54 9.7 4.6 6.8#

68 4.5 3.7 5.5

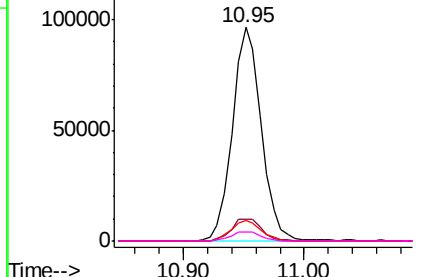
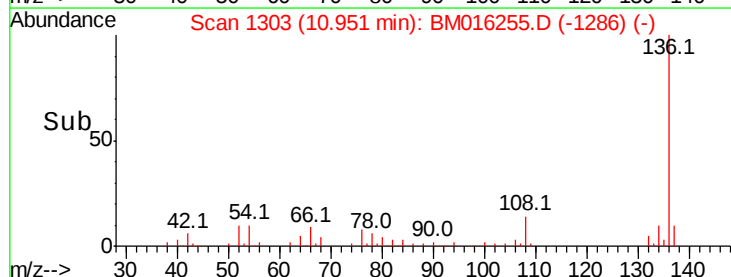


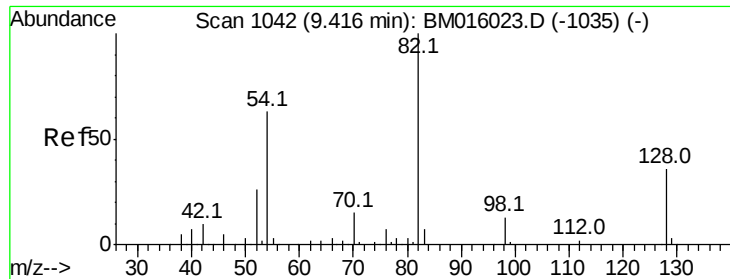
Abundance Ion 136.00 (135.70 to 136.70): BM016023.D (-1313) (-)

Ion 137.00 (136.70 to 137.70): BM016023.D (-1313) (-)

Ion 54.00 (53.70 to 54.70): BM016023.D (-1313) (-)

Ion 68.00 (67.70 to 68.70): BM016023.D (-1313) (-)





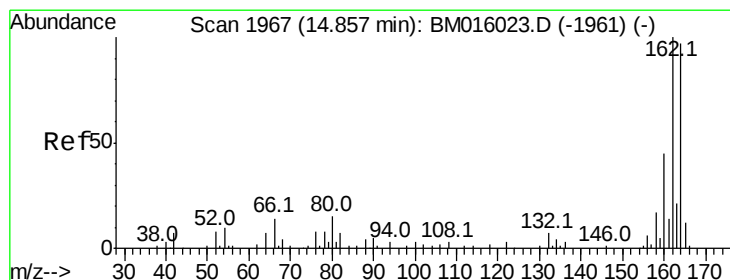
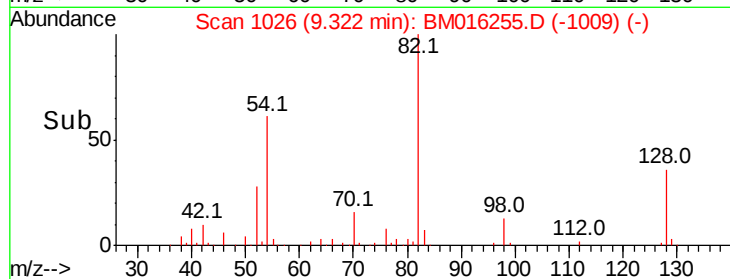
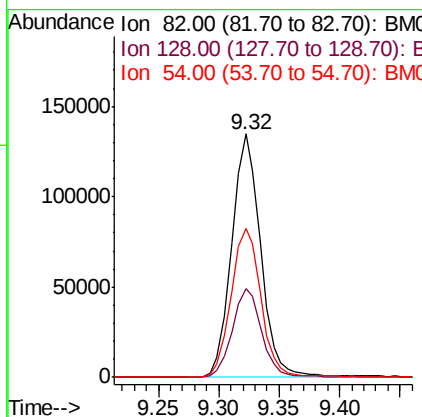
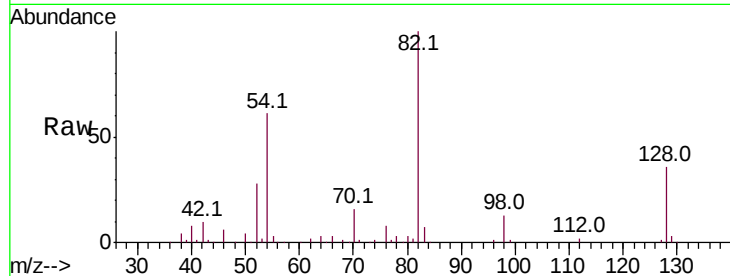
#23
Nitrobenzene-d5
Concen: N.D. ng
RT: 9.32 min Scan# 1026
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Instrument :
BNA_M
ClientSampled :
C-12

Tot Ion	Ratio	Resp	Lower	Upper
82	100			
128	36.4	32.8	49.2	
54	61.3	40.6	60.8	

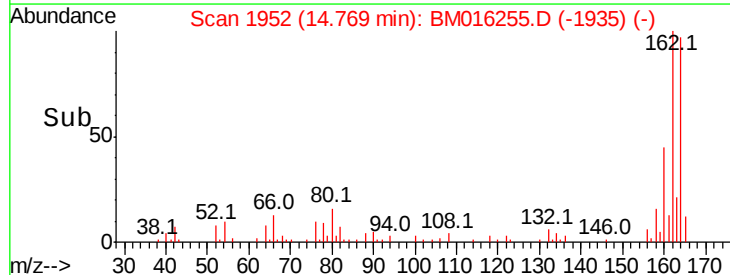
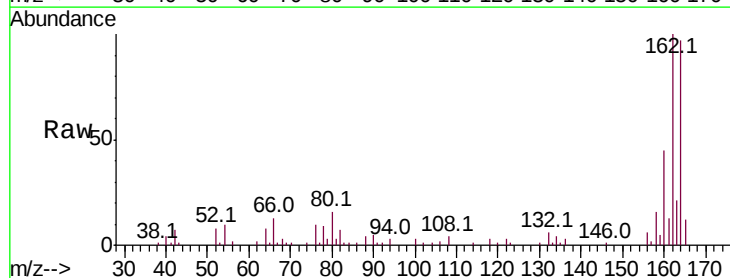
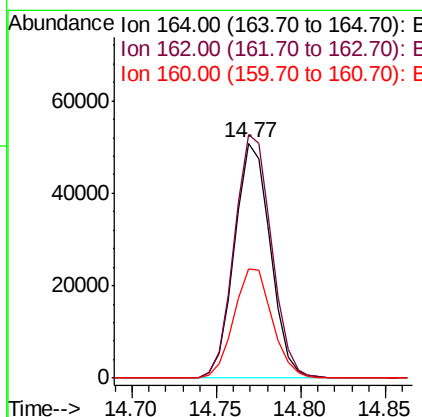
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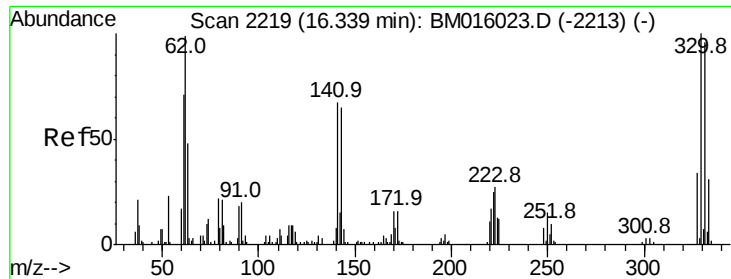
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1952
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.5	82.4	123.6	
160	46.5	35.8	53.6	





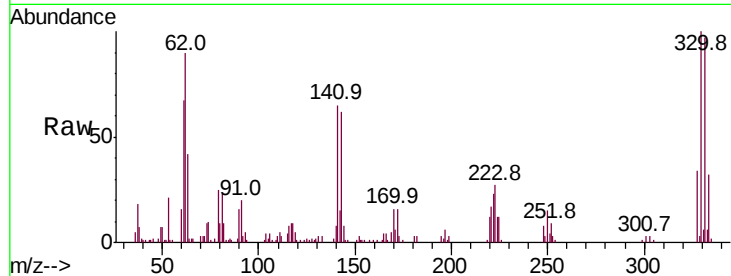
#41
 2,4,6-Tribromophenol
 Concen: N.D. ng
 RT: 16.26 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BM016255.D
 Acq: 08 Aug 2018 18:18

Instrument :
 BNA_M
 ClientSampled :
 C-12

Tot Ion	Ratio	Resp Lower	Upper
330	100		
332	95.5	0.0	0.0#
141	71.5	0.0	0.0#

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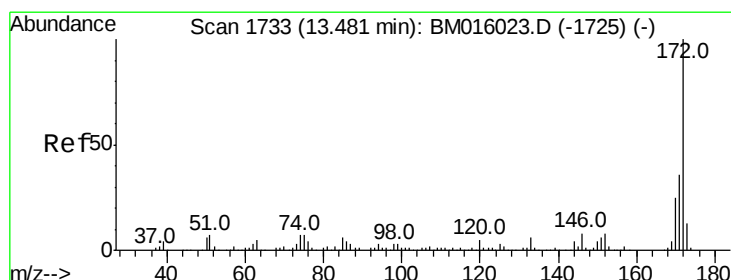
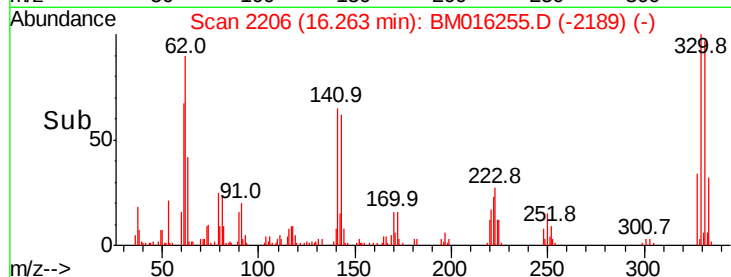
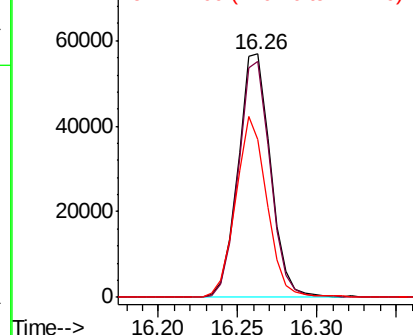


Abundance

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



#44
 2-Fluorobiphenyl
 Concen: N.D. ng
 RT: 13.39 min Scan# 1718
 Delta R.T. 0.00 min
 Lab File: BM016255.D
 Acq: 08 Aug 2018 18:18

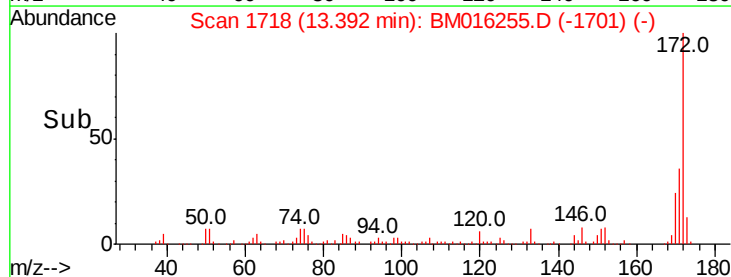
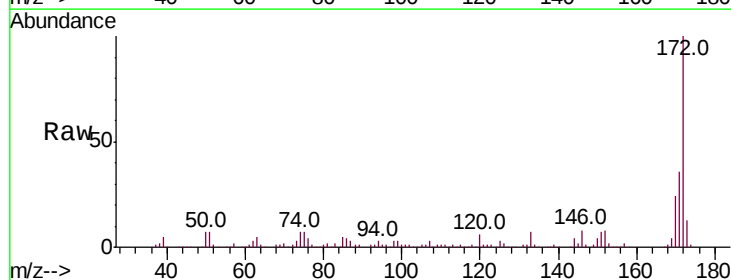
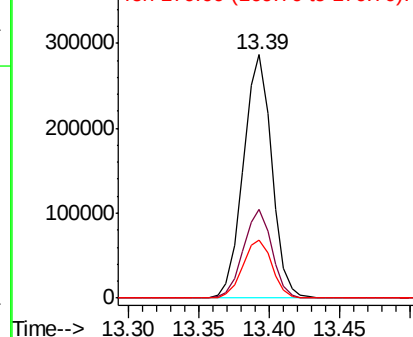
Tgt Ion	Ratio	Resp Lower	Upper
172	100		
171	36.3	28.5	42.7
170	23.9	18.8	28.2

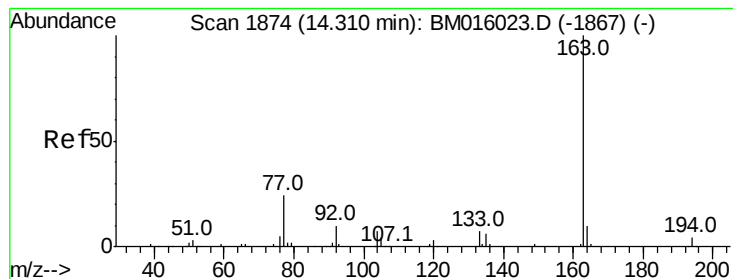
Abundance

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





#49

Dimethylphthalate

Concen: 4.000 ng

RT: 14.23 min Scan# 1860

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

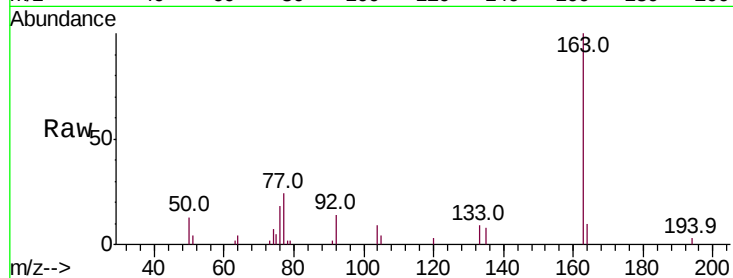
ClientSampleId :

C-12

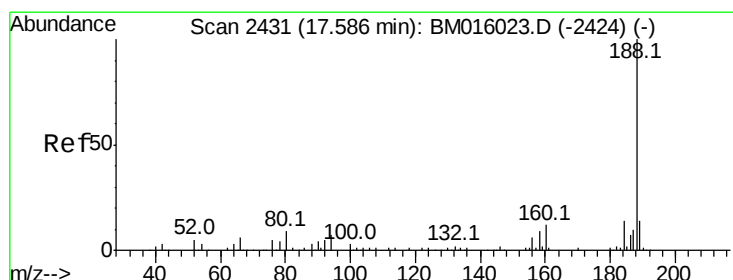
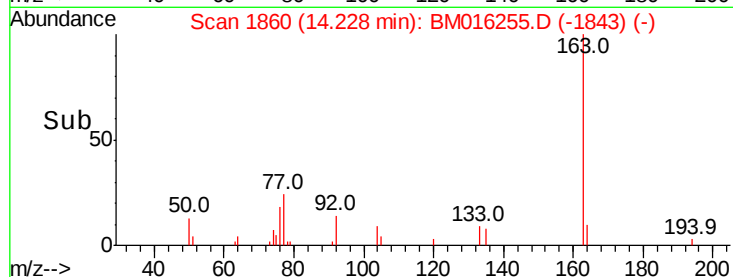
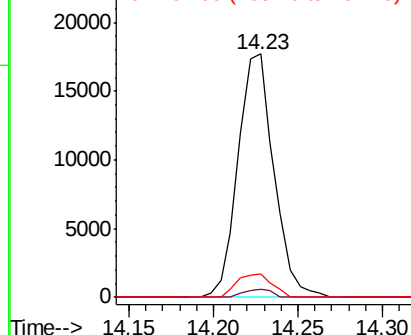
Tot Ion:	163	Resp:	26258
Ion Ratio	Lower	Upper	
163	100		
194	3.3	2.7	4.1
164	9.7	8.2	12.2

Manual Integrations
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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.50 min Scan# 2417

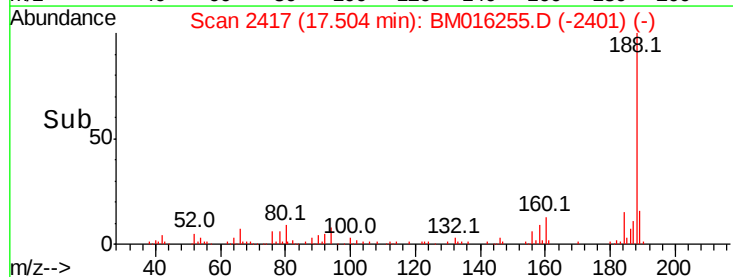
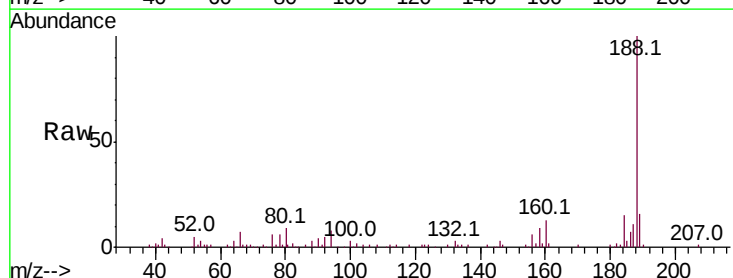
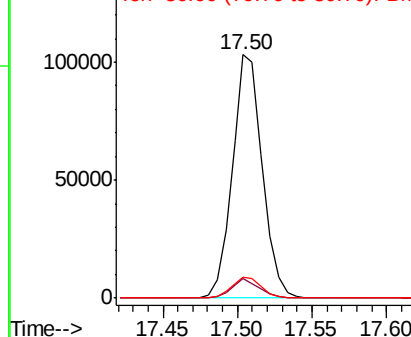
Delta R.T. -0.01 min

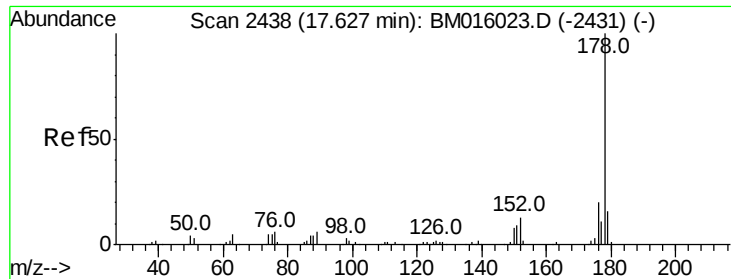
Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Tgt Ion:	188	Resp:	143816
Ion Ratio	Lower	Upper	
188	100		
94	8.0	8.7	13.1#
80	8.8	9.3	13.9#

Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0





#70

Phenanthrene

Concen: 23.604 ng

RT: 17.55 min Scan# 2425

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

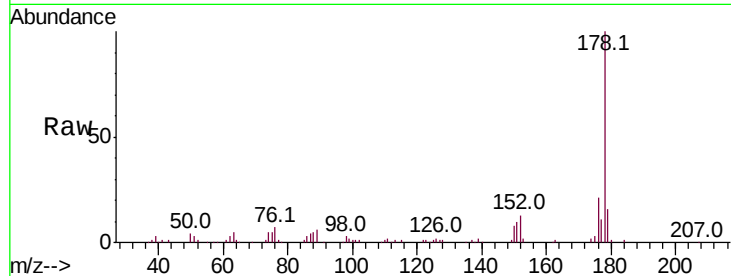
ClientSampled :

C-12

Tot Ion:	178	Resp:	190051
Ion Ratio	Lower	Upper	
178	100		
176	20.6	15.2	22.8
179	16.1	12.1	18.1

Manual Integrations
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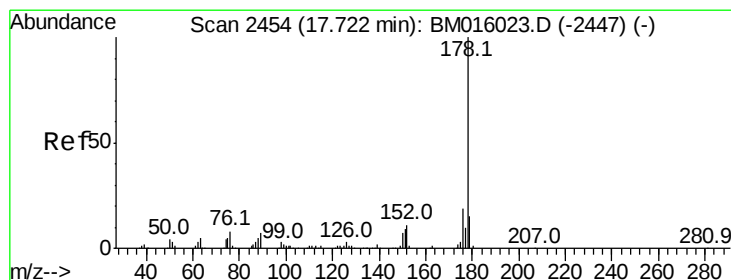
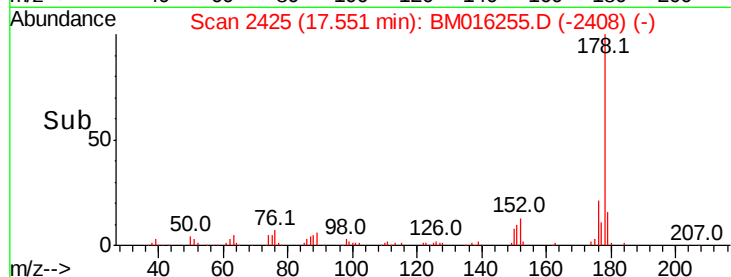
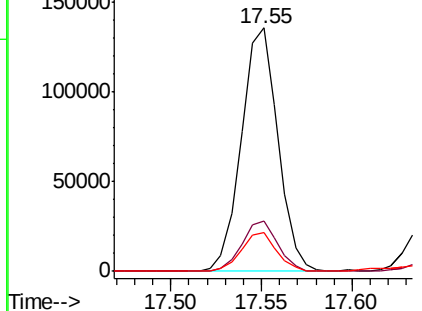
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 4.927 ng

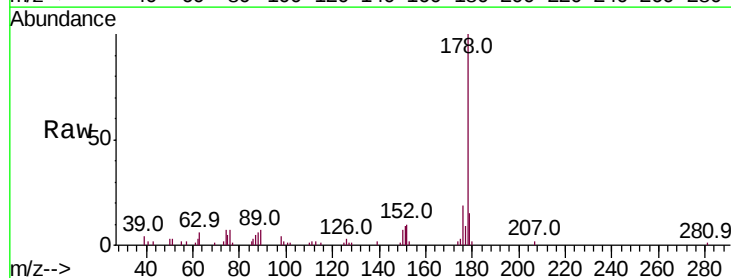
RT: 17.64 min Scan# 2440

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

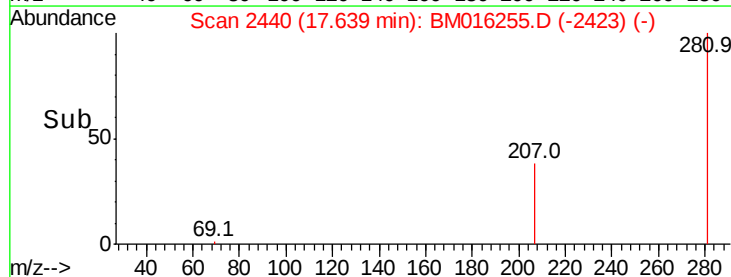
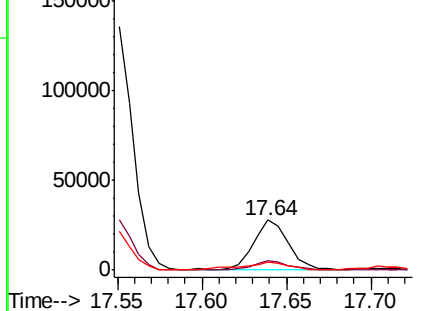
Tgt Ion:	178	Resp:	38554
Ion Ratio	Lower	Upper	
178	100		
176	19.3	14.6	22.0
179	15.2	12.6	19.0

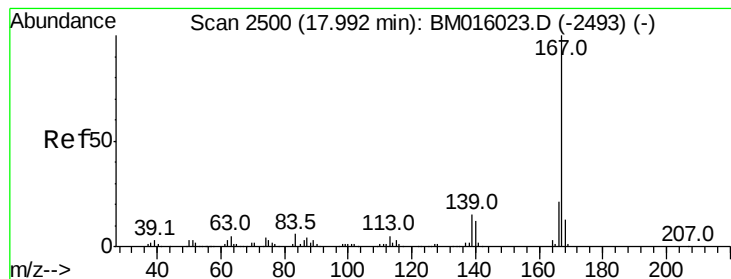


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.376 ng

RT: 17.92 min Scan# 2487

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

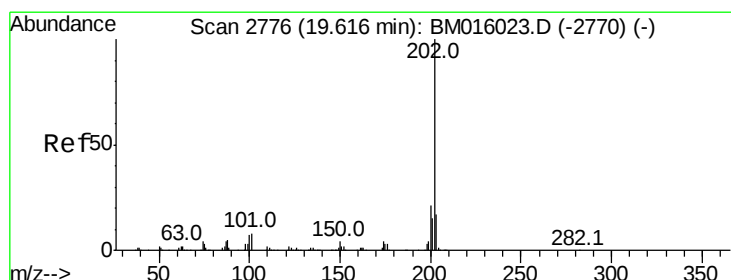
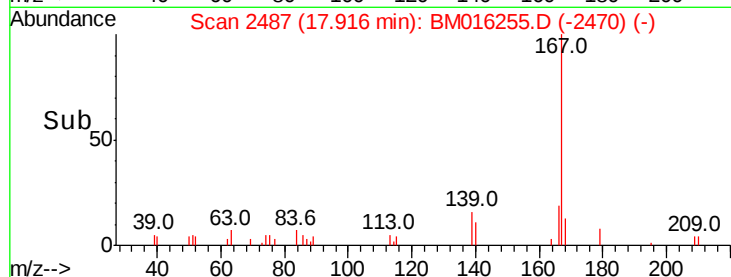
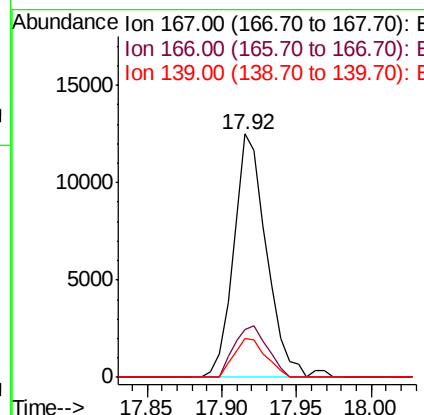
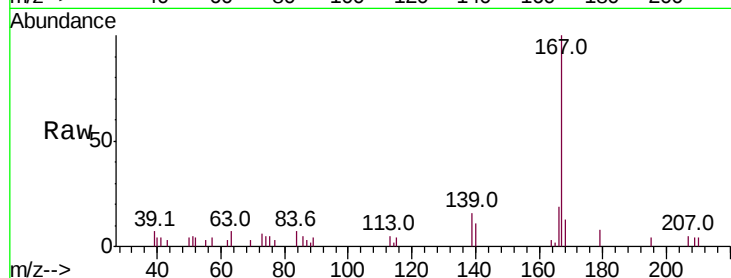
ClientSampled :

C-12

Tot Ion:	167	Resp:	19260
Ion Ratio	Lower	Upper	
167	100		
166	19.4	17.2	25.8
139	15.7	10.8	16.2

Manual Integrations
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#74

Fluoranthene

Concen: 34.881 ng

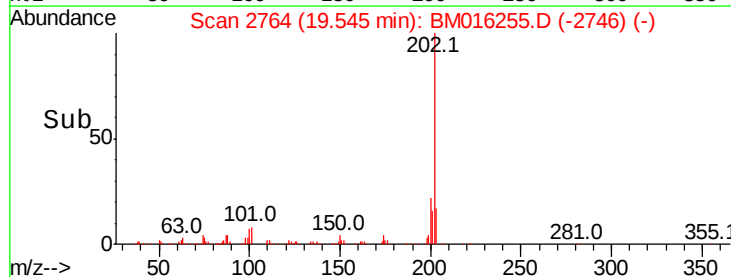
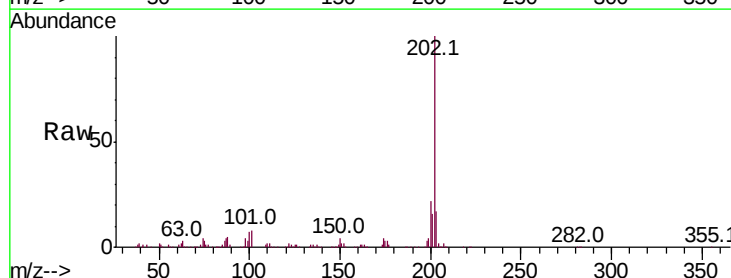
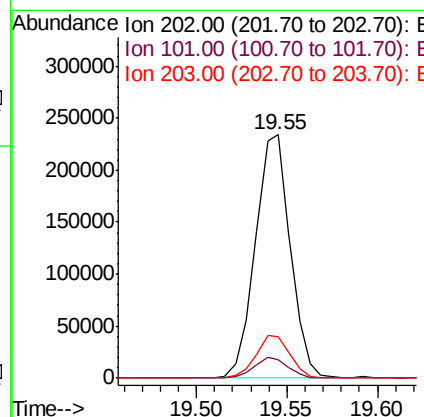
RT: 19.55 min Scan# 2764

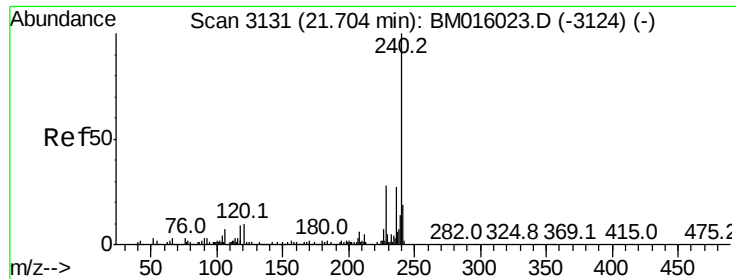
Delta R.T. 0.01 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Tgt Ion:	202	Resp:	313278
Ion Ratio	Lower	Upper	
202	100		
101	7.6	0.0	28.7
203	17.2	0.0	37.2





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.64 min Scan# 3120

Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Instrument :

BNA_M

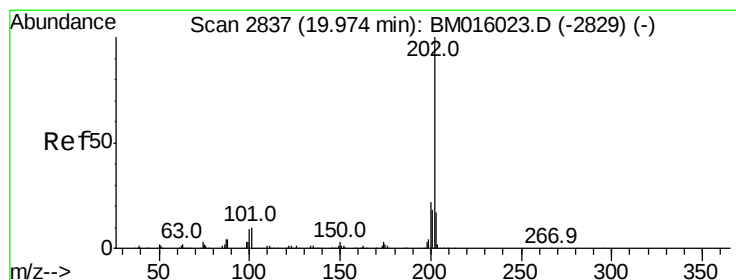
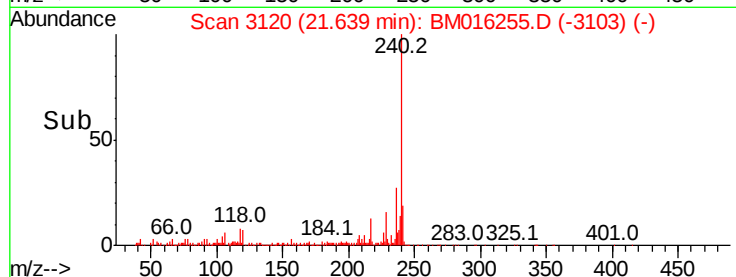
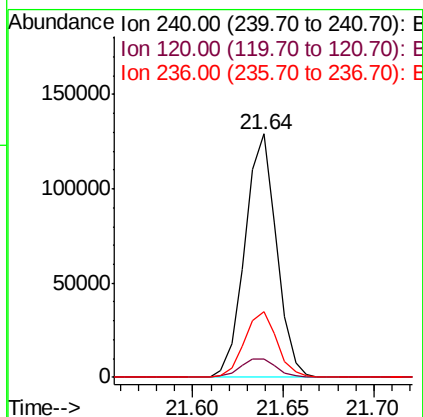
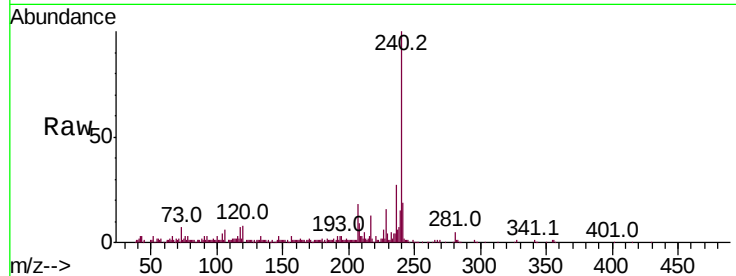
ClientSampleId :

C-12

Tot Ion:	240	Resp:	156475
Ion Ratio	Lower	Upper	
240	100		
120	7.6	8.2	12.2#
236	27.1	20.0	30.0

Manual Integrations
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#77

Pyrene

Concen: 27.780 ng

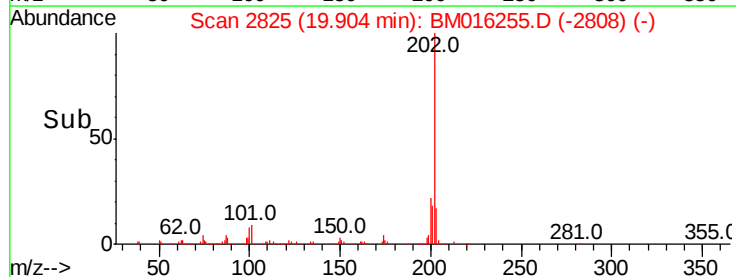
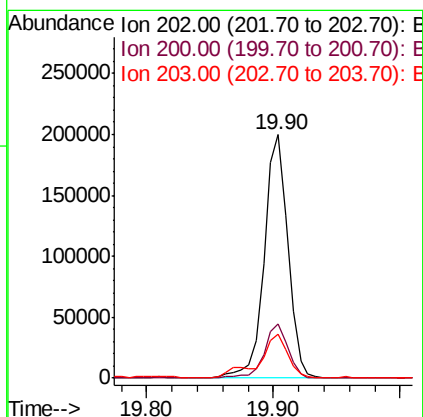
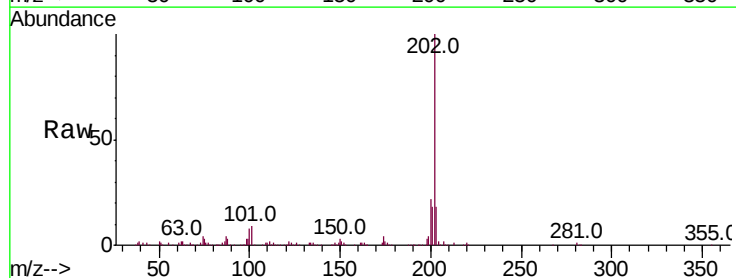
RT: 19.90 min Scan# 2825

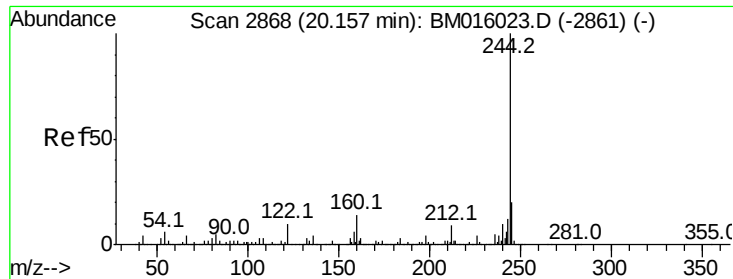
Delta R.T. 0.00 min

Lab File: BM016255.D

Acq: 08 Aug 2018 18:18

Tgt Ion:	202	Resp:	260497
Ion Ratio	Lower	Upper	
202	100		
200	22.3	16.9	25.3
203	17.9	14.1	21.1





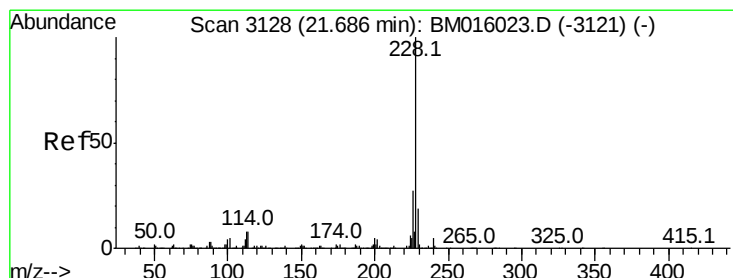
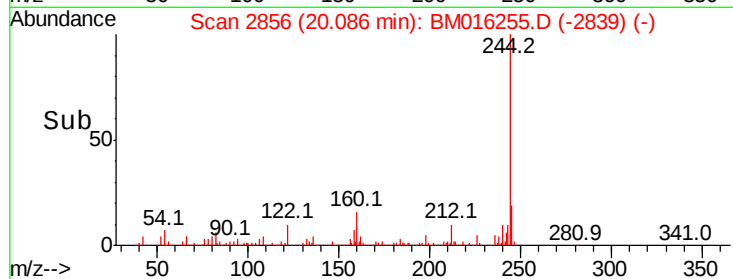
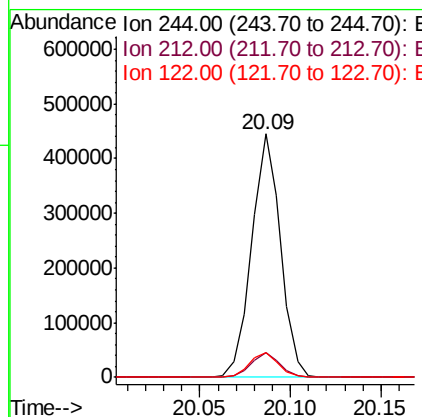
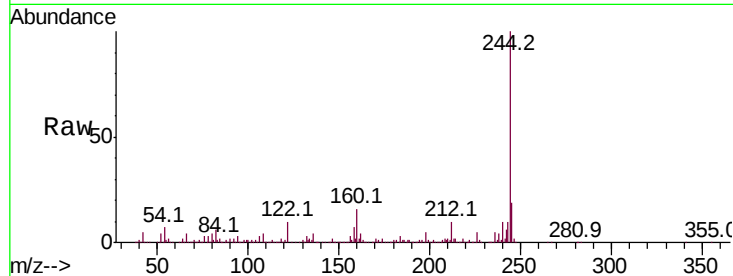
#78
 Terphenyl-d14
 Concen: 27.780 ng
 RT: 20.09 min Scan# 2856
 Delta R.T. 0.00 min
 Lab File: BM016255.D
 Acq: 08 Aug 2018 18:18

Instrument :
 BNA_M
 ClientSampled :
 C-12

Tot Ion	Ratio	Lower	Upper
244	100		
212	10.0	4.9	7.3#
122	10.2	6.2	9.4#

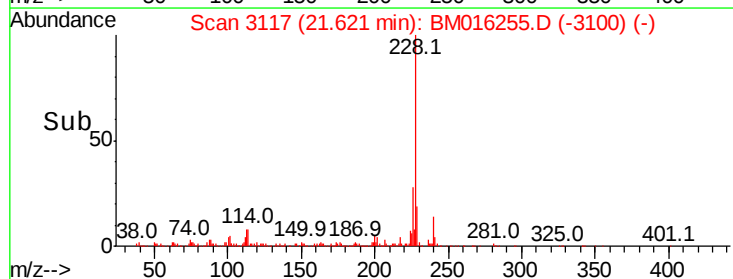
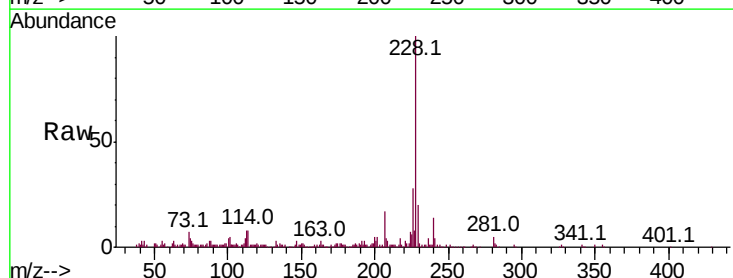
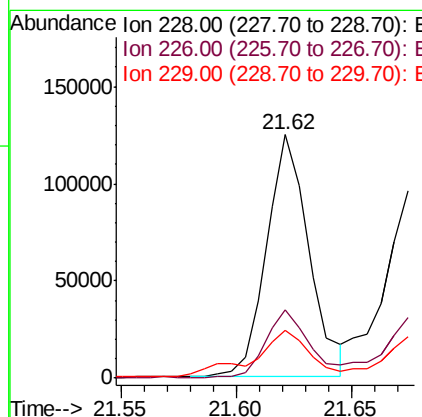
Manual Integrations
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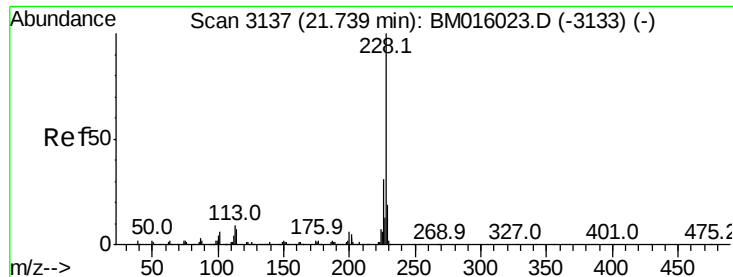
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#80
 Benzo(a)anthracene
 Concen: 16.484 ng
 RT: 21.62 min Scan# 3117
 Delta R.T. 0.00 min
 Lab File: BM016255.D
 Acq: 08 Aug 2018 18:18

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.0	21.7	32.5
229	19.5	16.0	24.0





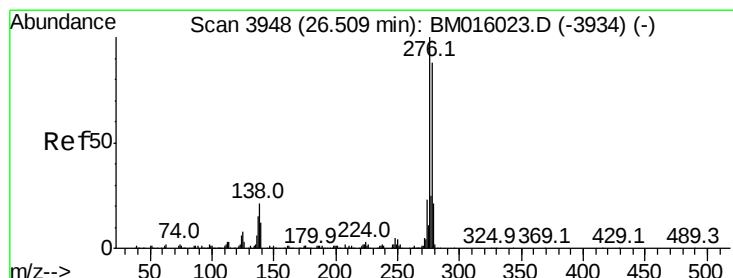
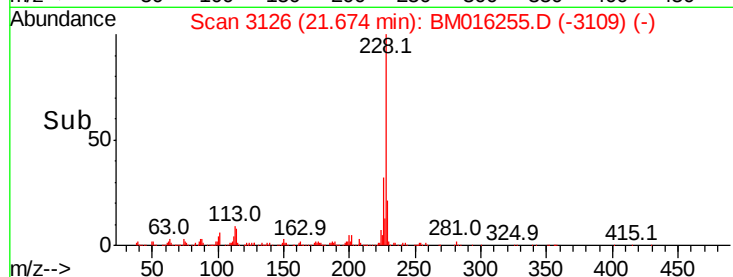
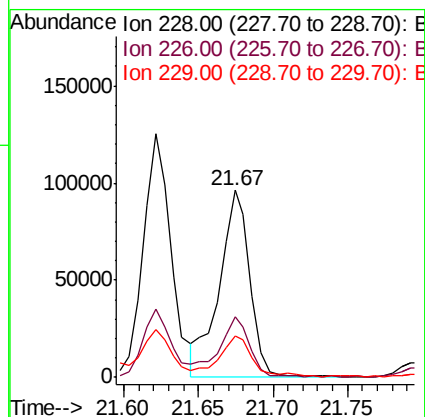
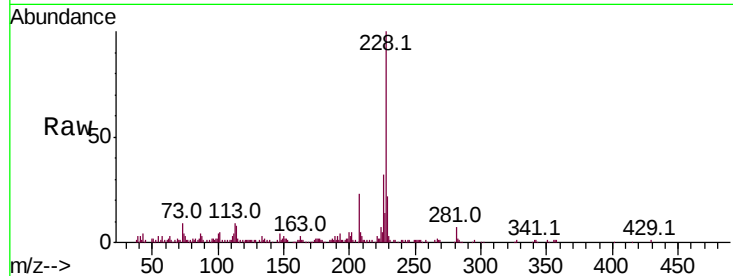
#82
Chrysene
Concen: 14.854 ng
RT: 21.67 min Scan# 3126
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Instrument :
BNA_M
ClientSampled :
C-12

Tot Ion:	228	Resp:	137322
Ion Ratio	Lower	Upper	
228	100		
226	32.1	24.1	36.1
229	22.4	15.5	23.3

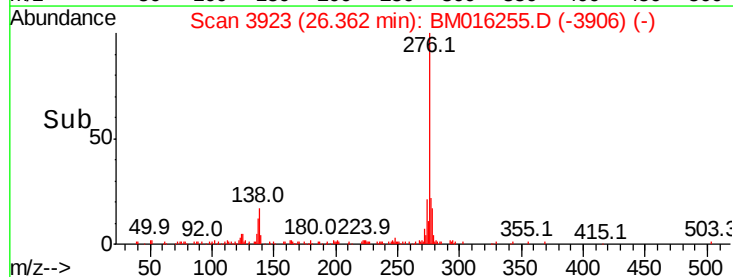
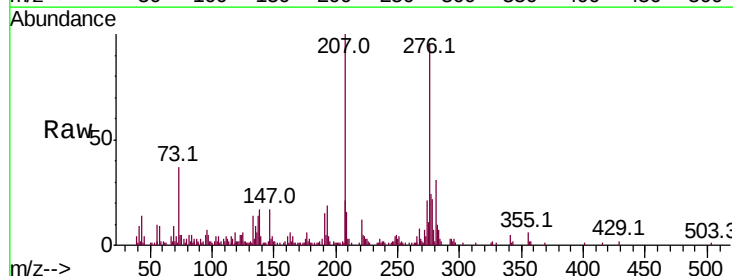
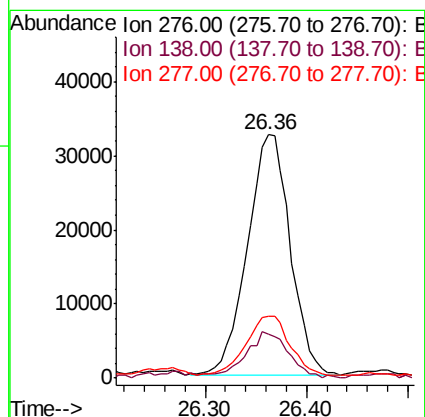
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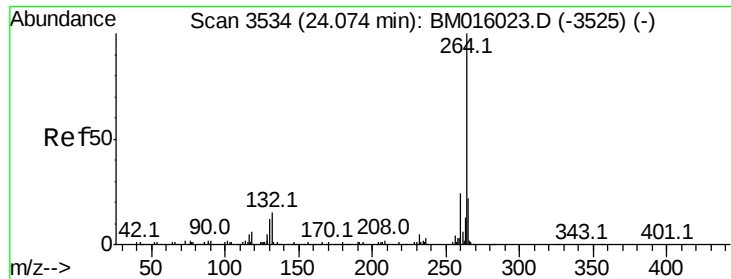
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 8.678 ng
RT: 26.36 min Scan# 3923
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion:	276	Resp:	95202
Ion Ratio	Lower	Upper	
276	100		
138	19.1	12.0	18.0#
277	25.0	20.0	30.0





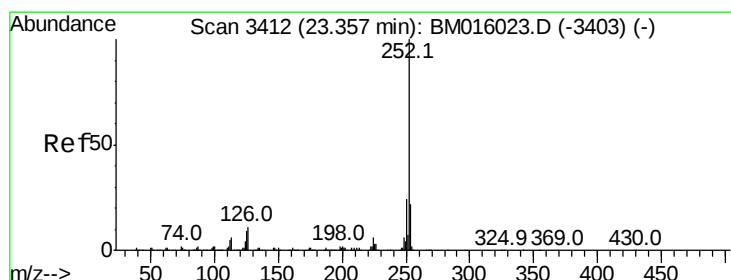
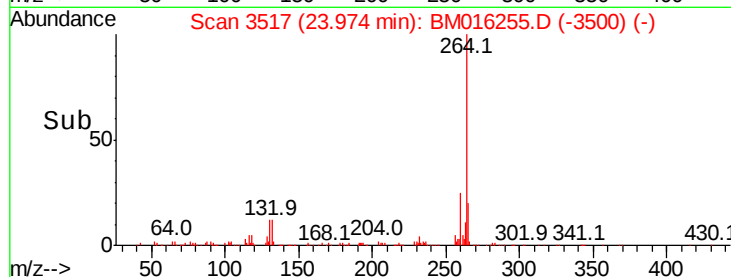
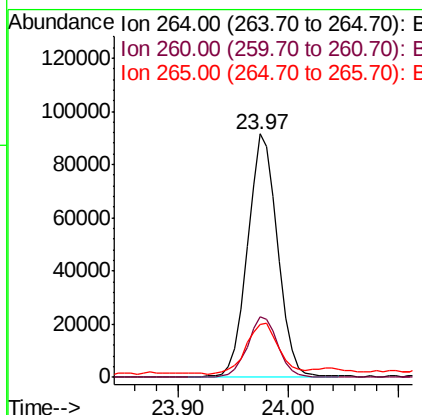
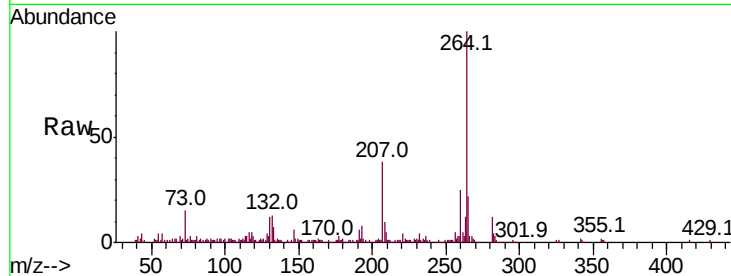
#86
Pervlene-d12
Concen: 20.000 ng
RT: 23.97 min Scan# 3517
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Instrument :
BNA_M
ClientSampleId :
C-12

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	18.6	27.8
265	21.7	17.3	25.9

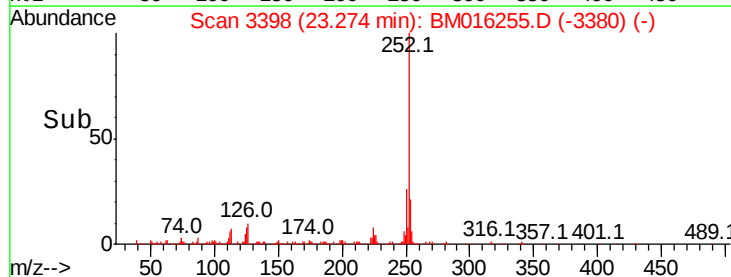
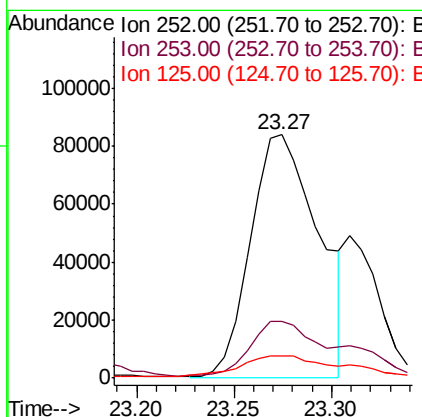
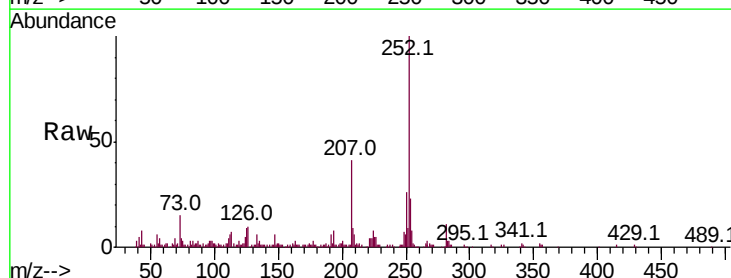
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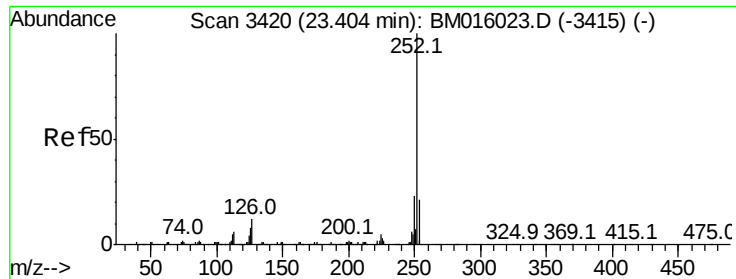
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#87
Benzo(b)fluoranthene
Concen: 19.964 ng m
RT: 23.27 min Scan# 3398
Delta R.T. 0.01 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	8.9	9.9	14.9





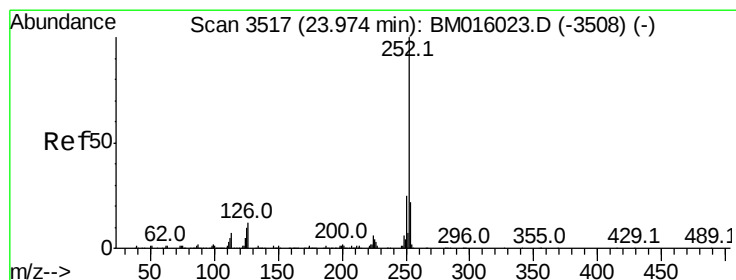
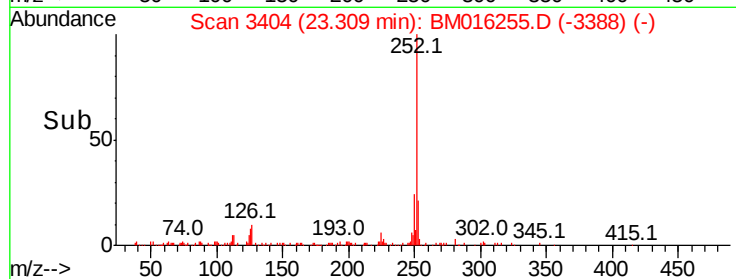
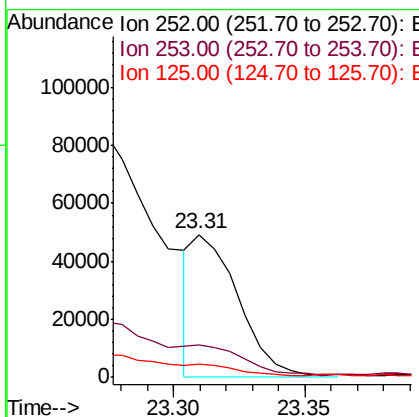
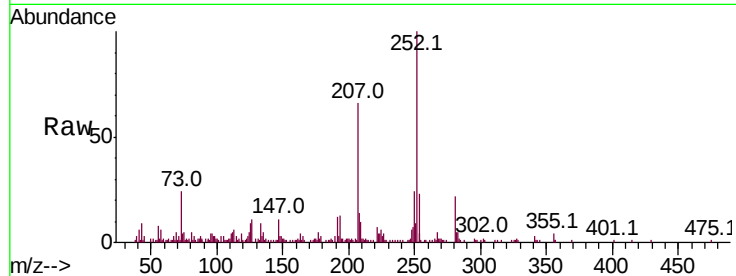
#88
Benzo(k)fluoranthene
Concen: 5.788 ng m
RT: 23.31 min Scan# 3404
Delta R.T. -0.01 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Instrument :
BNA_M
ClientSampled :
C-12

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.2	25.8
125	9.2	8.1	12.1

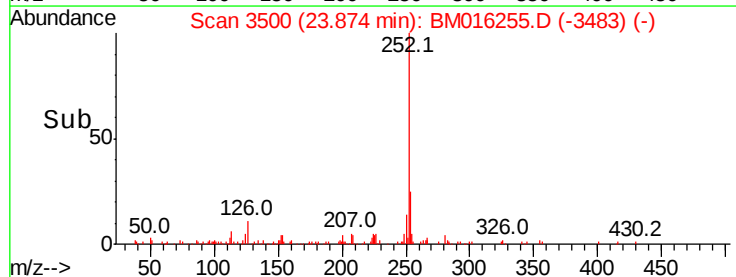
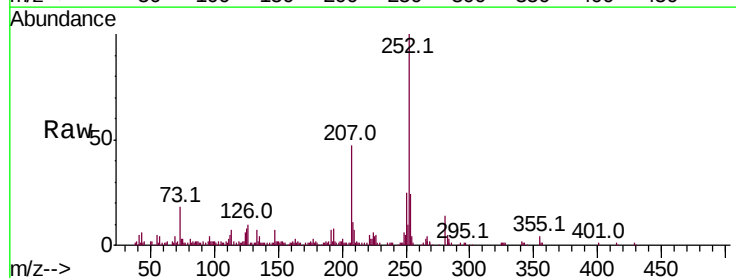
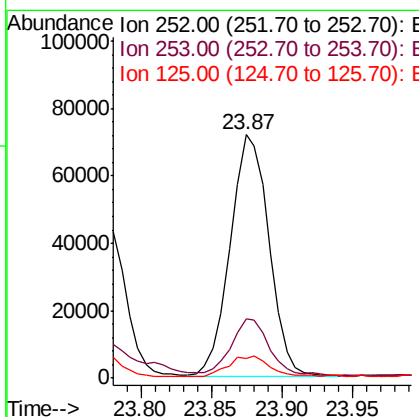
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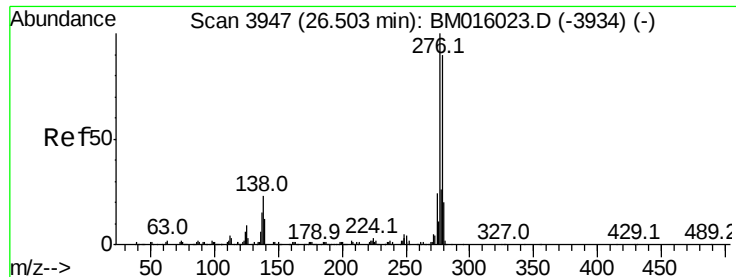
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#89
Benzo(a)pyrene
Concen: 13.846 ng
RT: 23.87 min Scan# 3500
Delta R.T. 0.00 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.6	26.4
125	8.2	7.4	11.2





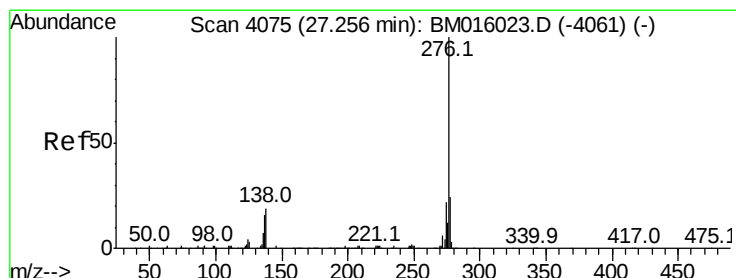
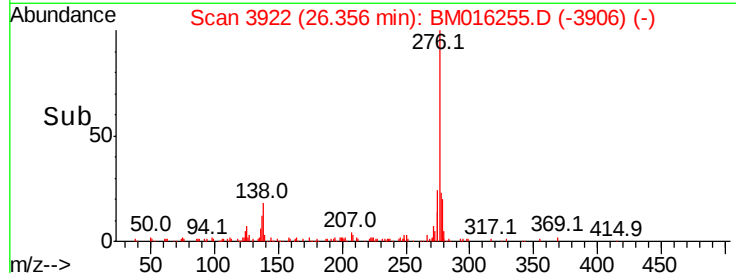
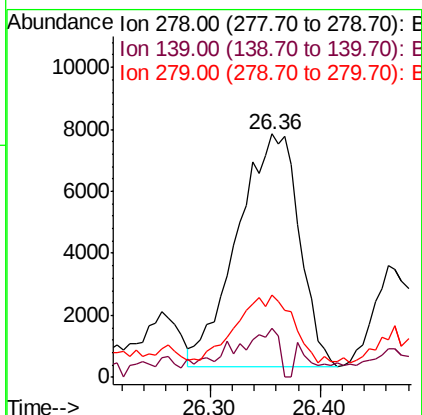
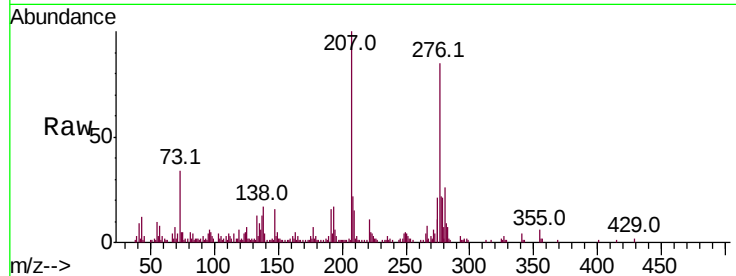
#90
Dibenzo(a,h)anthracene
Concen: 2.863 ng
RT: 26.36 min Scan# 3922
Delta R.T. -0.01 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Instrument :
BNA_M
ClientSampled :
C-12

Tot Ion	Ratio	Lower	Upper
278	100		
139	20.2	13.4	20.0#
279	33.7	19.0	28.4#

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 9.265 ng
RT: 27.10 min Scan# 4049
Delta R.T. 0.01 min
Lab File: BM016255.D
Acq: 08 Aug 2018 18:18

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.0	18.5	27.7
138	18.4	19.0	28.6#

