

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014802.D
 Acq On : 24 Apr 2018 06:52
 Operator : SJ/JU
 Sample : J2434-11DL 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleID :
 C0AC6DL

Manual Integrations
 APPROVED

Sohil
 4/24/2018 7:13:48 PM

Quant Time: Apr 24 14:43:07 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	380967	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1608301	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	839514	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1771745	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1788614	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1897165	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.67	96	15853	1.82	ng/uL	0.00
5) Phenol-d5	7.65	99	258111	8.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	186564	9.88	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	227601	9.24	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	177134	7.54	ng/ul	0.00
19) Nitrobenzene-d5	9.70	128	105990	9.11	ng/ul	0.00
22) 2-Nitrophenol-d4	10.43	143	105144	9.08	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	202209	8.60	ng/ul	0.00
29) 4-Chloroaniline-d4	11.49	131	233114	10.04	ng/ul	0.00
43) Dimethylphthalate-d6	14.52	166	606869	9.26	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	778790	9.62	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	58421	4.80	ng/ul	0.00
57) Fluorene-d10	16.10	176	526736	9.24	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	26954	2.81	ng/ul	0.00
70) Anthracene-d10	17.93	188	775840	9.40	ng/ul	0.00
76) Pyrene-d10	20.17	212	832985	9.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	849939	9.12	ng/ul	0.00
Target Compounds						
6) Phenol	7.67	94	61748	2.131	ng/ul#	79
44) Dimethylphthalate	14.56	163	169222	2.671	ng/ul	99
69) Phenanthrene	17.88	178	508557	5.345	ng/ul	98
71) Anthracene	17.97	178	109431	1.133	ng/ul	99
72) Carbazole	18.23	167	90505	1.099	ng/ul	97
74) Fluoranthene	19.84	202	2069744	19.951	ng/ul#	83
77) Pyrene	20.20	202	2230865	21.347	ng/ul#	81
80) Benzo(a)anthracene	21.91	228	1843265	17.623	ng/ul	98
82) Chrysene	21.96	228	2022961	20.660	ng/ul	96
85) Benzo(b)fluoranthene	23.66	252	3907743	34.942	ng/ul#	95
86) Benzo(k)fluoranthene	23.70	252	1232311m	11.459	ng/ul	
88) Benzo(a)pyrene	24.31	252	2956372	27.868	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	27.00	276	2216066	17.267	ng/ul#	92
90) Dibenzo(a,h)anthracene	27.00	278	575690	5.328	ng/ul#	91
91) Benzo(g,h,i)perylene	27.80	276	2277539	21.571	ng/ul#	89

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

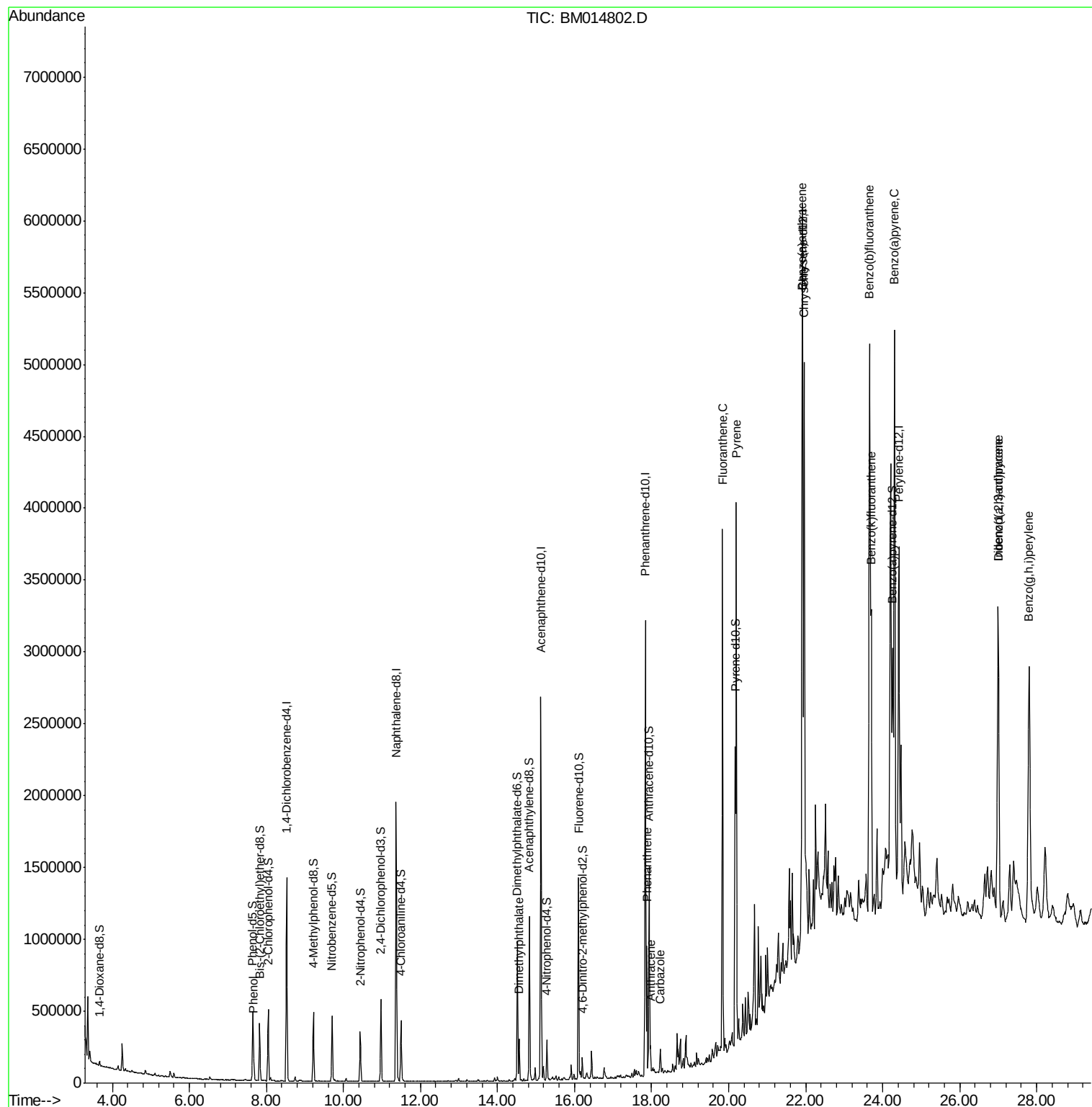
Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
Data File : BM014802.D
Acq On : 24 Apr 2018 06:52
Operator : SJ/JU
Sample : J2434-11DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

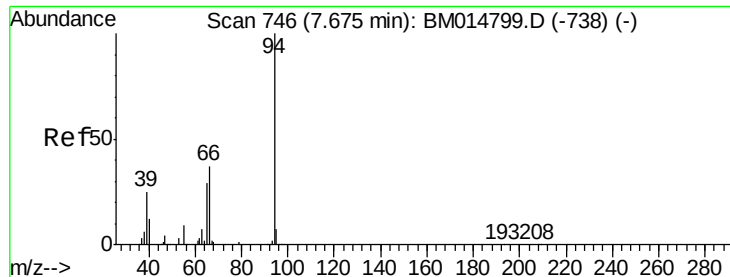
Instrument :
BNA_M
ClientSampled :
C0AC6DL

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Quant Time: Apr 24 14:43:07 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Apr 24 02:13:13 2018
Response via : Initial Calibration





#6

Phenol

Concen: 2.131 ng/ul

RT: 7.67 min Scan# 746

Delta R.T. -0.00 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Instrument :

BNA_M

ClientSampleID :

C0AC6DL

Tot Ion: 94 Resp: 61748

Ion Ratio Lower Upper

94 100

65 29.5 28.2 42.4

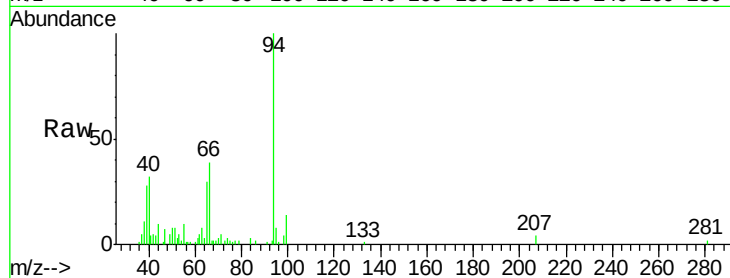
66 38.5 47.2 70.8#

Manual Integrations

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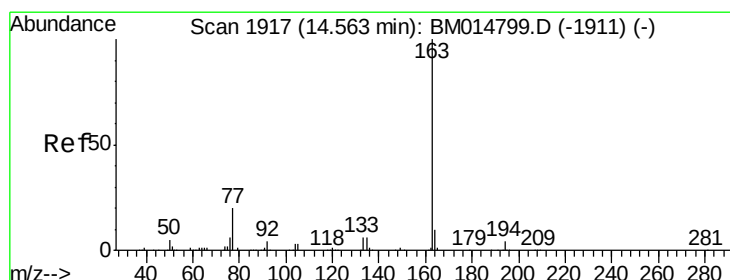
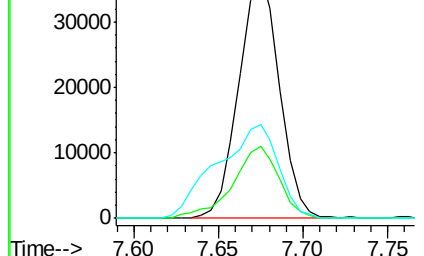
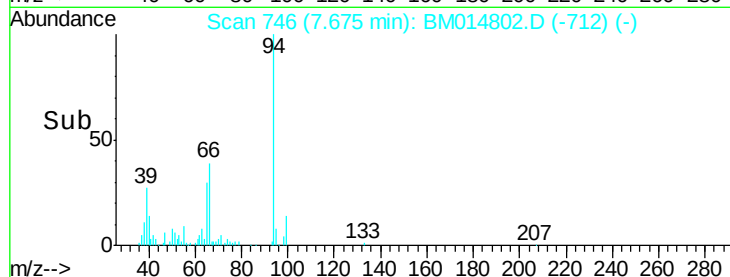


Abundance Ion 94.00 (93.70 to 94.70): BM014799.D (-738) (-)

Ion 65.00 (64.70 to 65.70): BM014799.D (-738) (-)

Ion 66.00 (65.70 to 66.70): BM014799.D (-738) (-)

Time-->



#44

Dimethylphthalate

Concen: 2.671 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

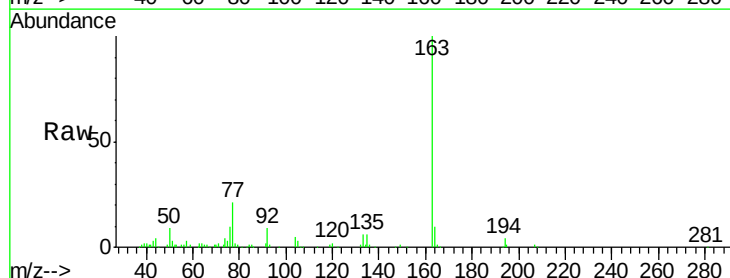
Tgt Ion: 163 Resp: 169222

Ion Ratio Lower Upper

163 100

194 4.5 3.5 5.3

164 9.8 8.2 12.4

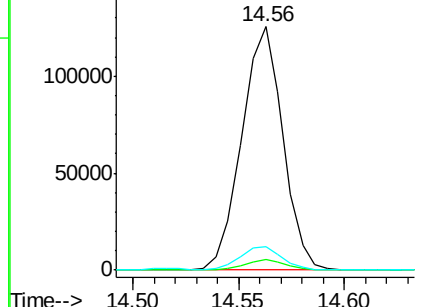
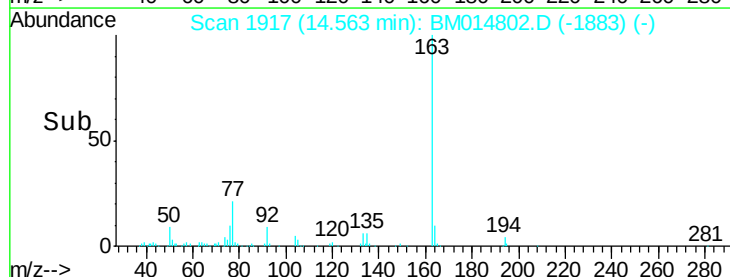


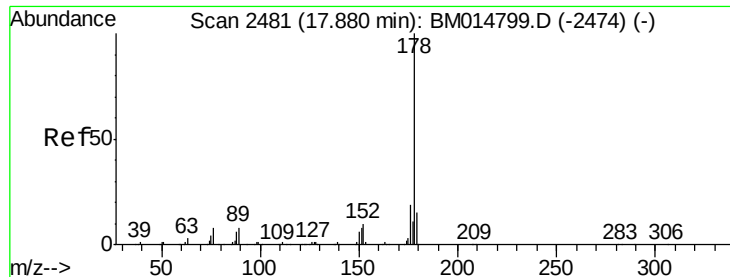
Abundance Ion 163.00 (162.70 to 163.70): BM014799.D (-1911) (-)

Ion 194.00 (193.70 to 194.70): BM014799.D (-1911) (-)

Ion 164.00 (163.70 to 164.70): BM014799.D (-1911) (-)

Time-->





#69

Phenanthrene

Concen: 5.345 ng/ul

RT: 17.88 min Scan# 2481

Delta R.T. -0.00 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Instrument :

BNA_M

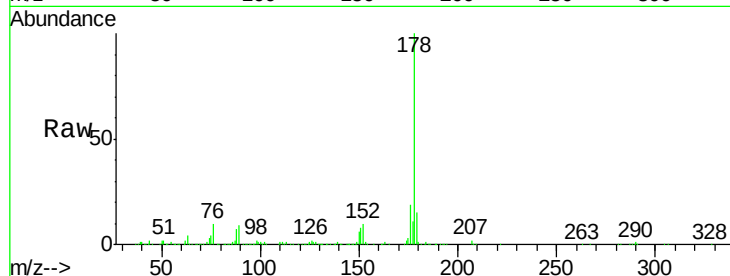
ClientSampleId :

C0AC6DL

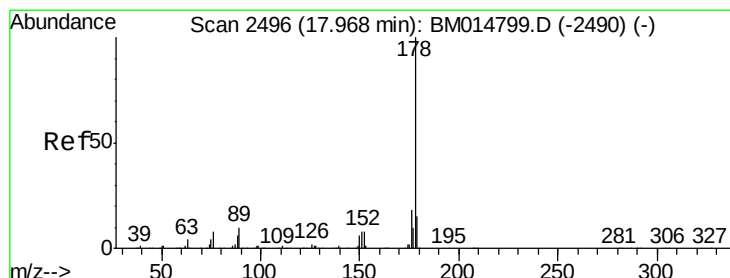
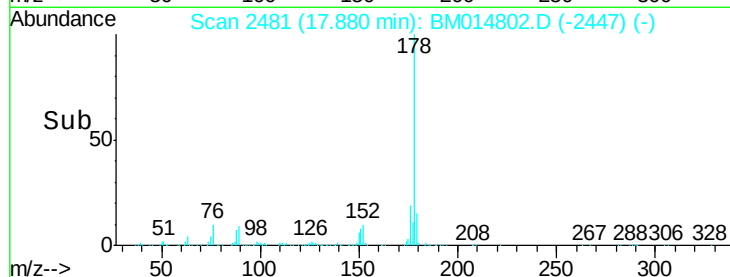
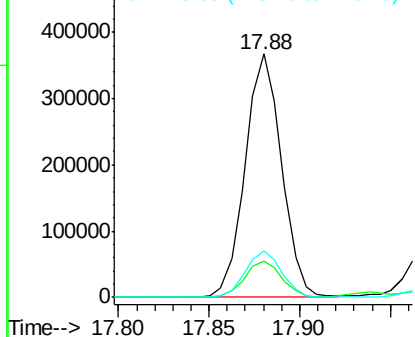
Tot Ion:	178	Resp:	508557
Ion Ratio	Lower	Upper	
178	100		
179	14.9	12.6	19.0
176	19.1	14.9	22.3

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Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 1.133 ng/ul

RT: 17.97 min Scan# 2496

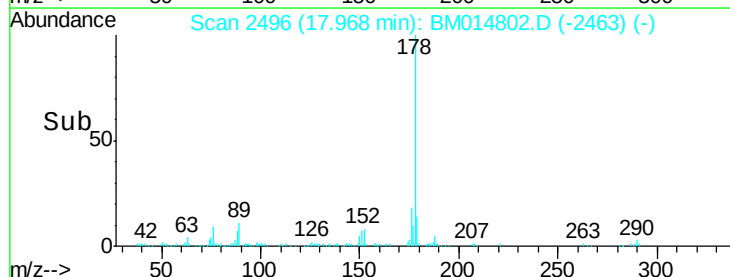
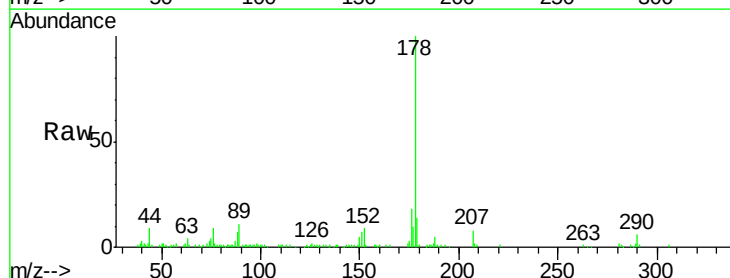
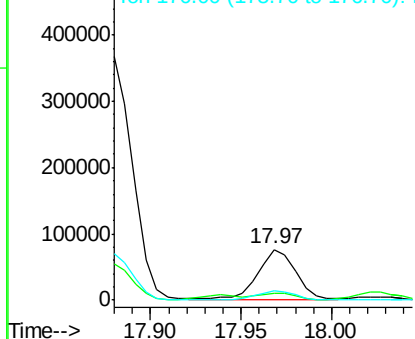
Delta R.T. -0.01 min

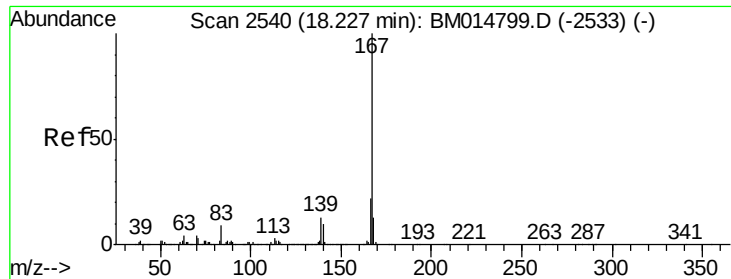
Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Tgt Ion:	178	Resp:	109431
Ion Ratio	Lower	Upper	
178	100		
179	14.2	11.7	17.5
176	18.3	14.6	21.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 1.099 ng/ul

RT: 18.23 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Instrument :

BNA_M

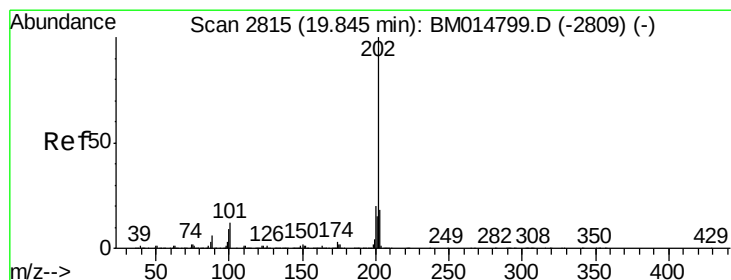
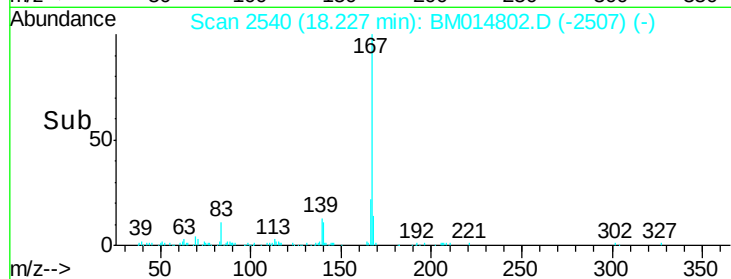
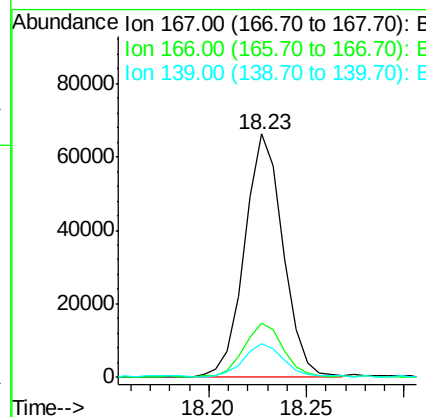
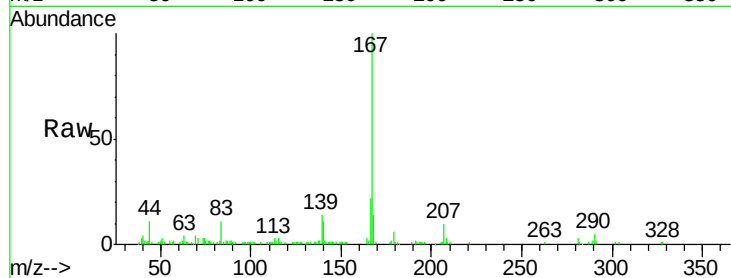
ClientSampleId :

C0AC6DL

Tot Ion:	167	Resp:	90505
Ion Ratio	Lower	Upper	
167	100		
166	22.4	17.1	25.7
139	14.0	10.0	15.0

Manual Integrations
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#74

Fluoranthene

Concen: 19.951 ng/ul

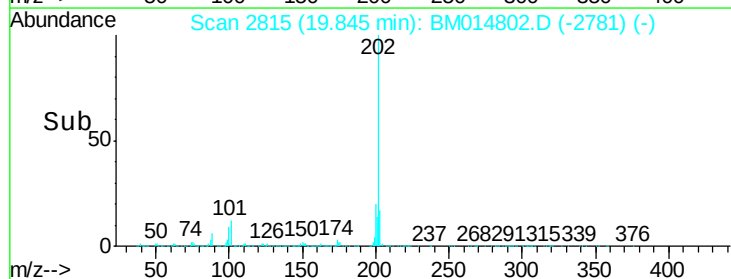
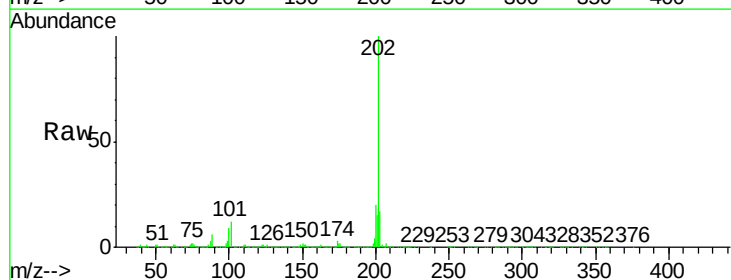
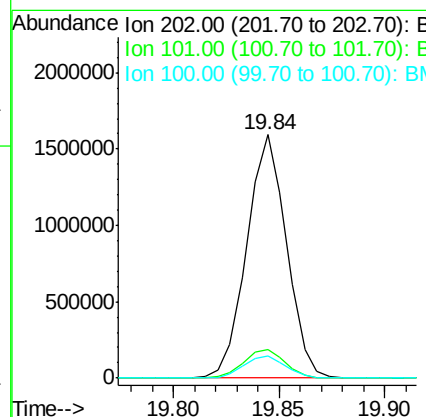
RT: 19.84 min Scan# 2815

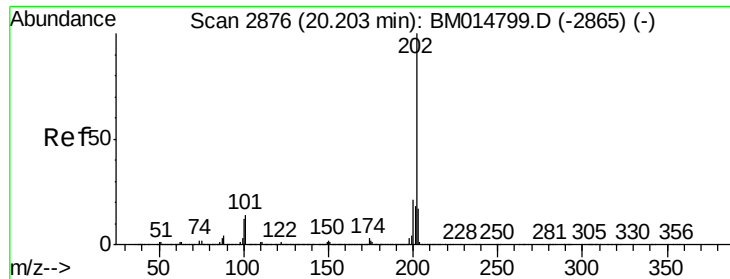
Delta R.T. -0.00 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Tgt Ion:	202	Resp:	2069744
Ion Ratio	Lower	Upper	
202	100		
101	12.0	4.6	7.0#
100	9.1	3.4	5.2#





#77

Pvrene

Concen: 21.347 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Instrument :

BNA_M

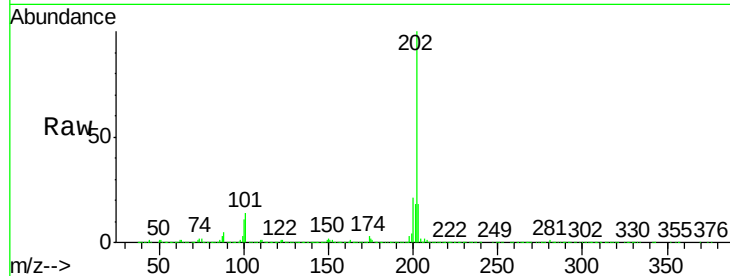
ClientSampleId :

C0AC6DL

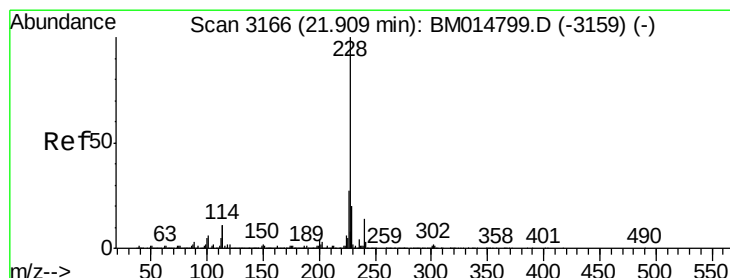
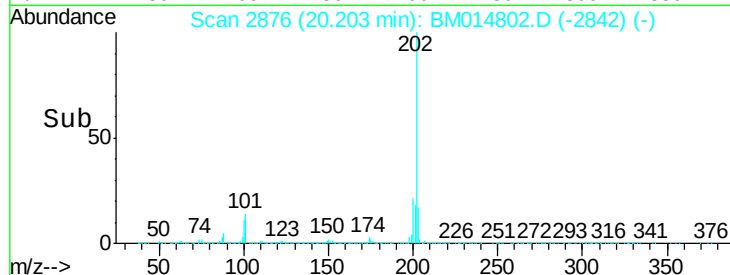
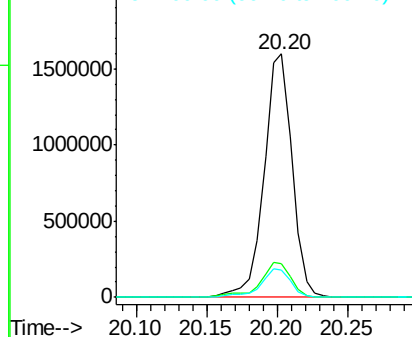
Tot Ion:	202	Resp:	2230865
Ion Ratio	Lower	Upper	
202	100		
101	13.7	5.1	7.7#
100	11.4	4.9	7.3#

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B



#80

Benzo(a)anthracene

Concen: 17.623 ng/ul

RT: 21.91 min Scan# 3166

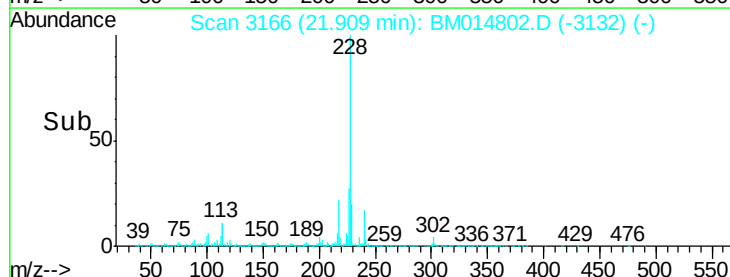
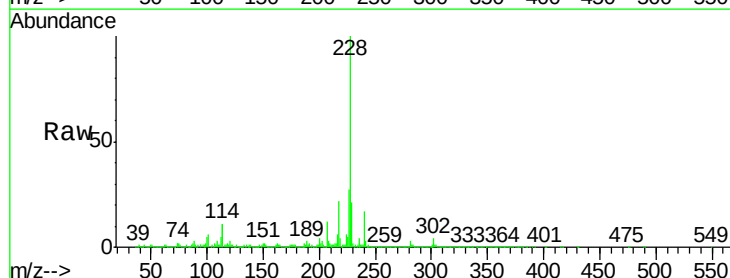
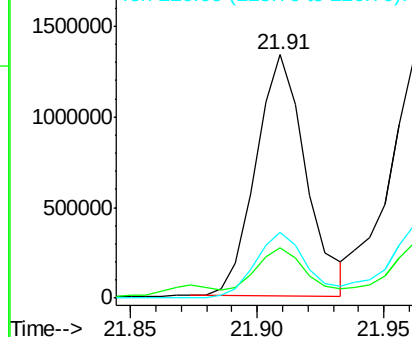
Delta R.T. -0.00 min

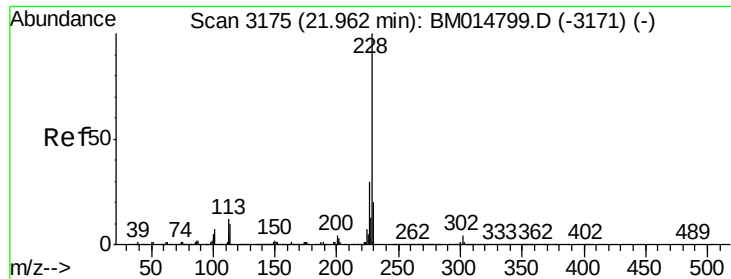
Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Tgt Ion:	228	Resp:	1843265
Ion Ratio	Lower	Upper	
228	100		
229	20.9	15.4	23.0
226	27.2	21.4	32.0

Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 20.660 ng/ul

RT: 21.96 min Scan# 3175

Delta R.T. -0.01 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Instrument :

BNA_M

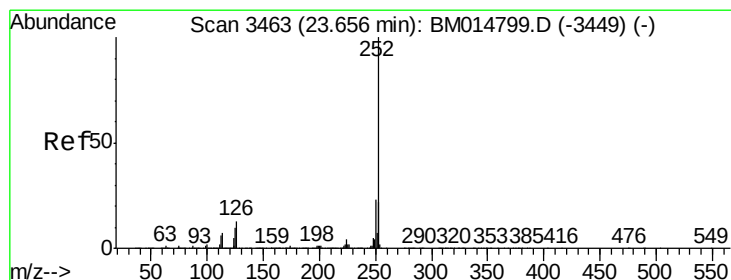
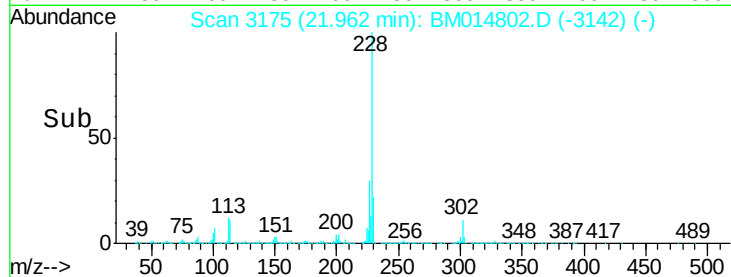
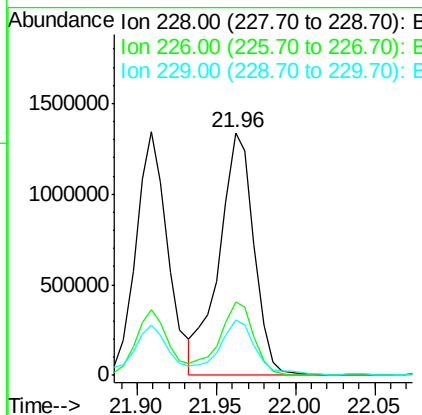
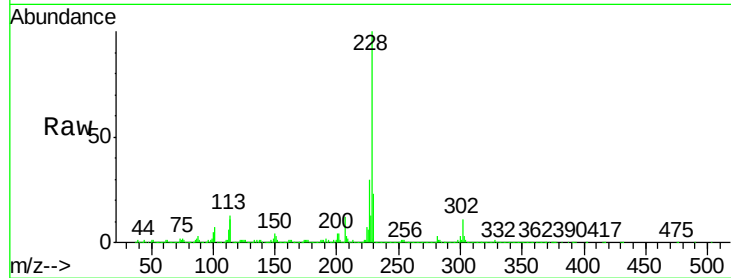
ClientSampleId :

C0AC6DL

Tot Ion:	228	Resp:	2022961
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.7	15.5	23.3

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#85

Benzo(b)fluoranthene

Concen: 34.942 ng/ul

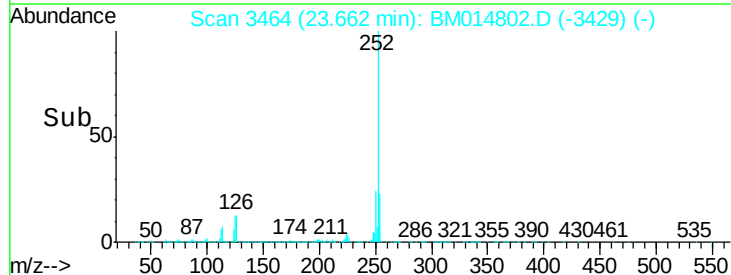
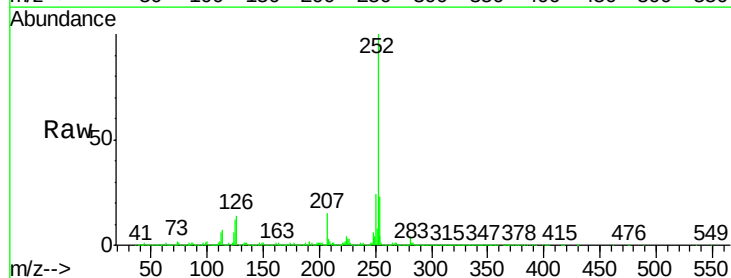
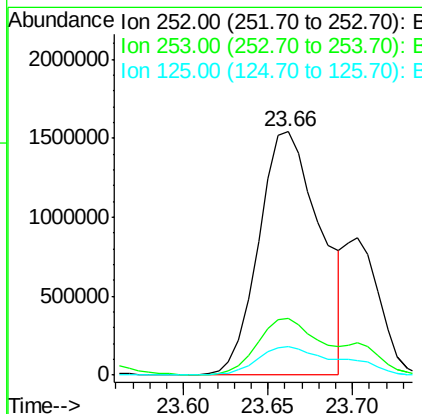
RT: 23.66 min Scan# 3464

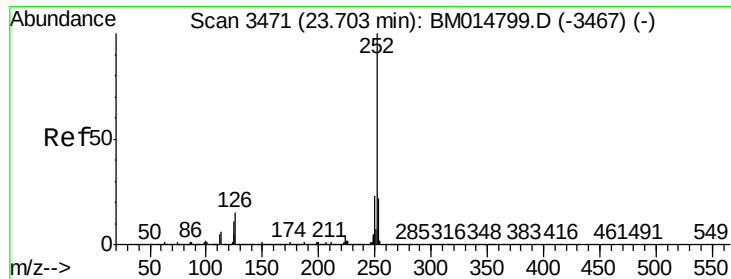
Delta R.T. 0.01 min

Lab File: BM014802.D

Acq: 24 Apr 2018 06:52

Tgt Ion:	252	Resp:	3907743
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	11.7	3.6	5.4#





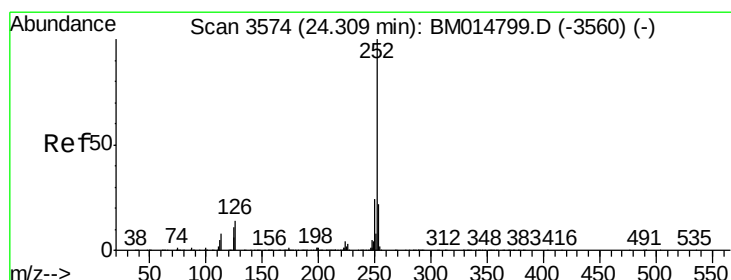
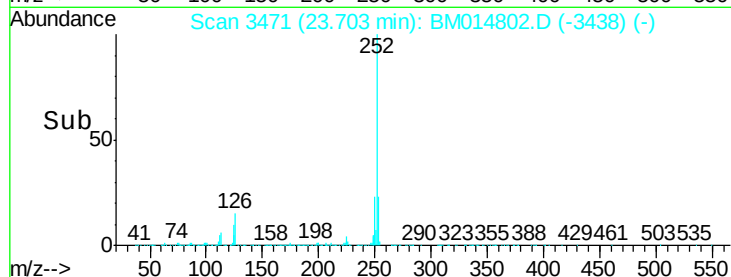
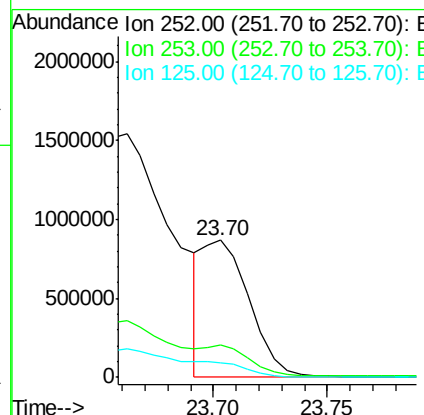
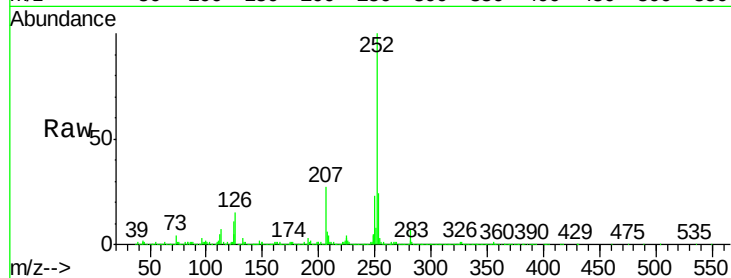
#86
Benzo(k)fluoranthene
Concen: 11.459 ng/ul m
RT: 23.70 min Scan# 3471
Delta R.T. -0.01 min
Lab File: BM014802.D
Acq: 24 Apr 2018 06:52

Instrument :
BNA_M
ClientSampleId :
C0AC6DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.1	25.7
125	10.8	3.4	5.2

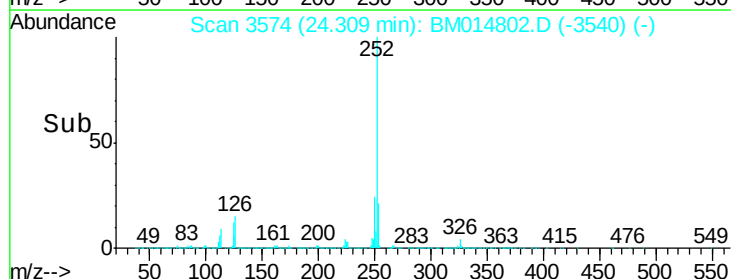
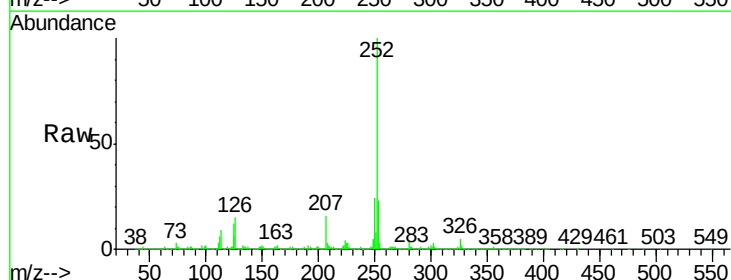
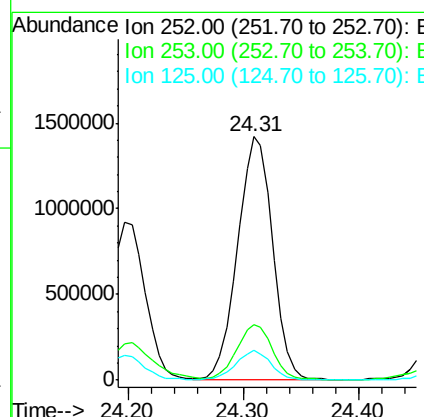
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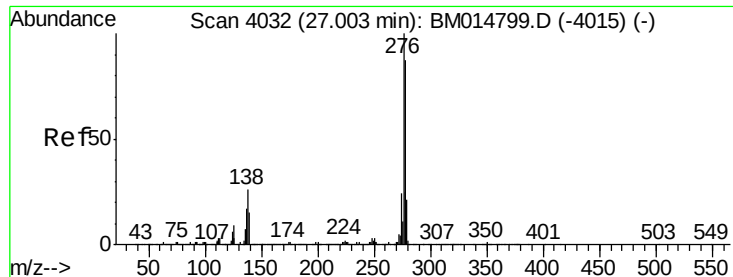
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#88
Benzo(a)pyrene
Concen: 27.868 ng/ul
RT: 24.31 min Scan# 3574
Delta R.T. -0.00 min
Lab File: BM014802.D
Acq: 24 Apr 2018 06:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.2	4.0	6.0





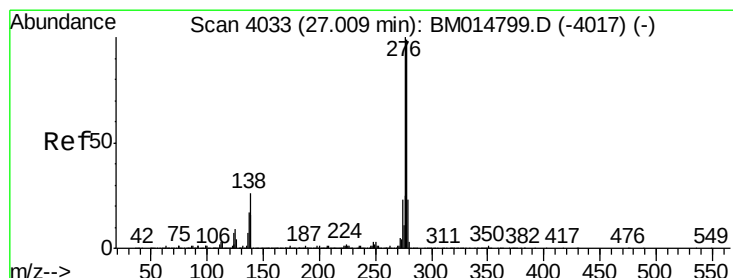
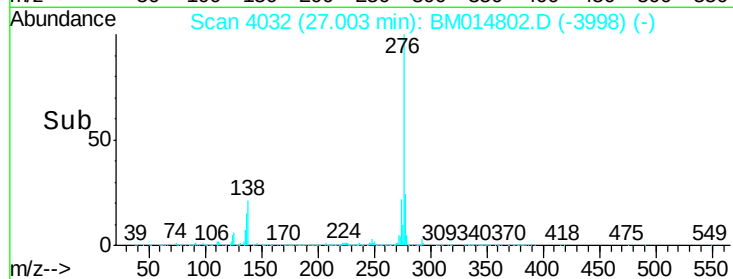
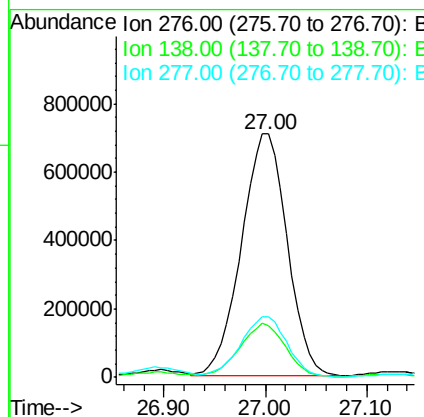
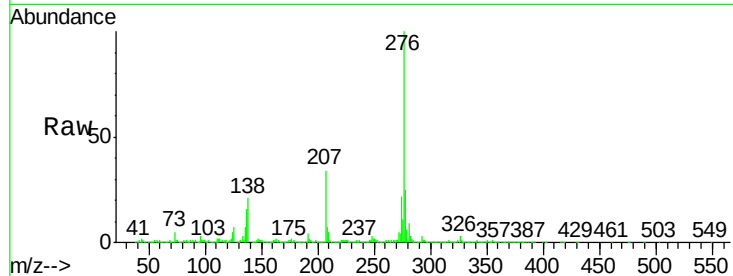
#89
Indeno(1,2,3-cd)pyrene
Concen: 17.267 ng/ul
RT: 27.00 min Scan# 4032
Delta R.T. -0.00 min
Lab File: BM014802.D
Acq: 24 Apr 2018 06:52

Instrument :
BNA_M
ClientSampleId :
C0AC6DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	21.4	9.3	13.9#
277	24.9	19.9	29.9

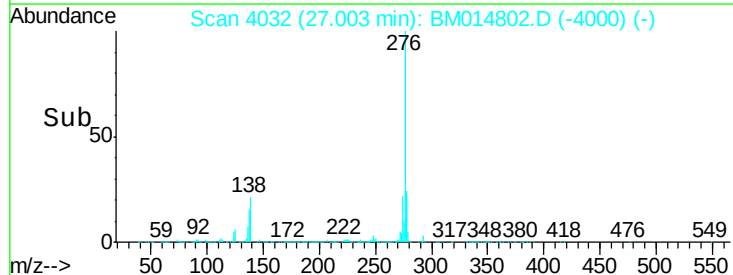
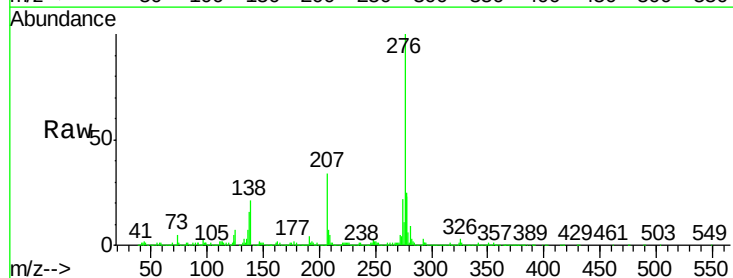
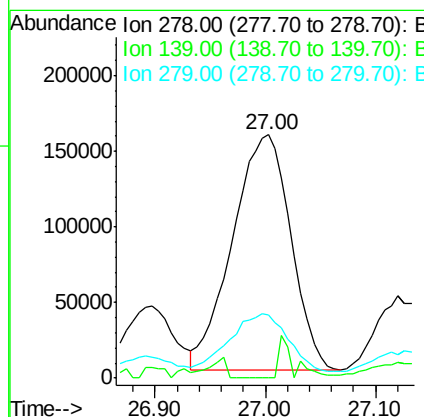
Manual Integrations
APPROVED

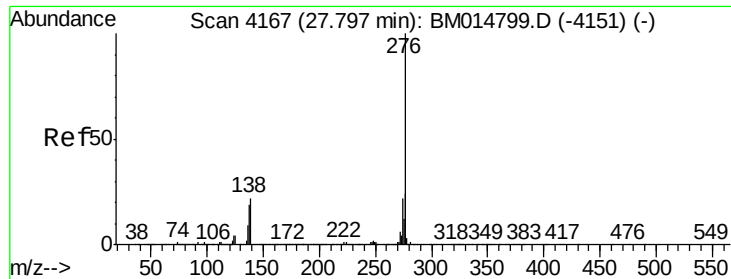
Sohil
4/24/2018 7:13:48 PM



#90
Dibenzo(a,h)anthracene
Concen: 5.328 ng/ul
RT: 27.00 min Scan# 4032
Delta R.T. -0.01 min
Lab File: BM014802.D
Acq: 24 Apr 2018 06:52

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	5.8	8.8#
279	25.7	18.6	27.8





#91
 Benzo(a,h,i)perylene
 Concen: 21.571 ng/ul
 RT: 27.80 min Scan# 4168
 Delta R.T. -0.00 min
 Lab File: BM014802.D
 Acq: 24 Apr 2018 06:52

Instrument :
 BNA_M
 ClientSampleId :
 C0AC6DL

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.4	8.5	12.7#
277	23.9	18.6	28.0

Manual Integrations
 APPROVED

Sohil
 4/24/2018 7:13:48 PM

