

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
 Data File : BM014454.D
 Acq On : 02 Mar 2018 10:31
 Operator : SJ/JU
 Sample : J1646-07RE
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5X1RE

Manual Integrations
 APPROVED

Sohil
 3/5/2018 3:20:50 PM

Quant Time: Mar 08 17:14:02 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Mar 01 03:03:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	95759	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	438325	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	279099	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	619984	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	627344	20.00	ng/ul	0.01
83) Perylene-d12	23.34	264	477840	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	7011	3.13	ng/uL	0.00
5) Phenol-d5	6.72	99	175751	21.72	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	107802	22.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	139068	22.41	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	138573	19.57	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	74142	22.89	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	91041	27.16	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.93	165	151778	21.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.45	131	40236	5.88	ng/ul	0.00
43) Dimethylphthalate-d6	13.59	166	525594	22.80	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	657726	23.14	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	65674	20.64	ng/ul	0.04
57) Fluorene-d10	15.17	176	455205	22.04	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.35	200	69829	18.78	ng/ul	0.01
70) Anthracene-d10	17.04	188	702967	23.50	ng/ul	0.00
76) Pyrene-d10	19.35	212	789933	24.41	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	523428	22.51	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.75	94	23165	2.728	ng/ul 88
28) Naphthalene	10.33	128	40086	1.781	ng/ul 96
44) Dimethylphthalate	13.65	163	180979	7.963	ng/ul 99
47) Acenaphthylene	13.89	152	76000	2.829	ng/ul 97
49) Acenaphthene	14.24	153	76061	4.021	ng/ul 95
53) Dibenzofuran	14.58	168	57783m	2.037	ng/ul
58) Fluorene	15.23	166	90945	3.714	ng/ul 90
69) Phenanthrene	16.98	178	2173907	60.858	ng/ul 99
71) Anthracene	17.07	178	404785	11.268	ng/ul 97
72) Carbazole	17.36	167	134617	4.456	ng/ul# 94
74) Fluoranthene	19.02	202	3714533	87.038	ng/ul# 93
77) Pyrene	19.39	202	3862856	92.653	ng/ul# 93
78) Butylbenzylphthalate	20.29	149	50894	2.952	ng/ul# 83
80) Benzo(a)anthracene	21.14	228	1748092	44.648	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.07	149	4062914	164.567	ng/ul# 95
82) Chrysene	21.20	228	1587142	43.454	ng/ul 98
85) Benzo(b)fluoranthene	22.70	252	1488346	46.518	ng/ul# 99
86) Benzo(k)fluoranthene	22.73	252	550345	18.092	ng/ul# 97
88) Benzo(a)pyrene	23.25	252	1106914	38.715	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	25.52	276	643881	23.208	ng/ul 99
90) Dibenzo(a,h)anthracene	25.52	278	174474	7.568	ng/ul# 87
91) Benzo(a,h,i)perylene	26.19	276	509479	22.668	ng/ul# 96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

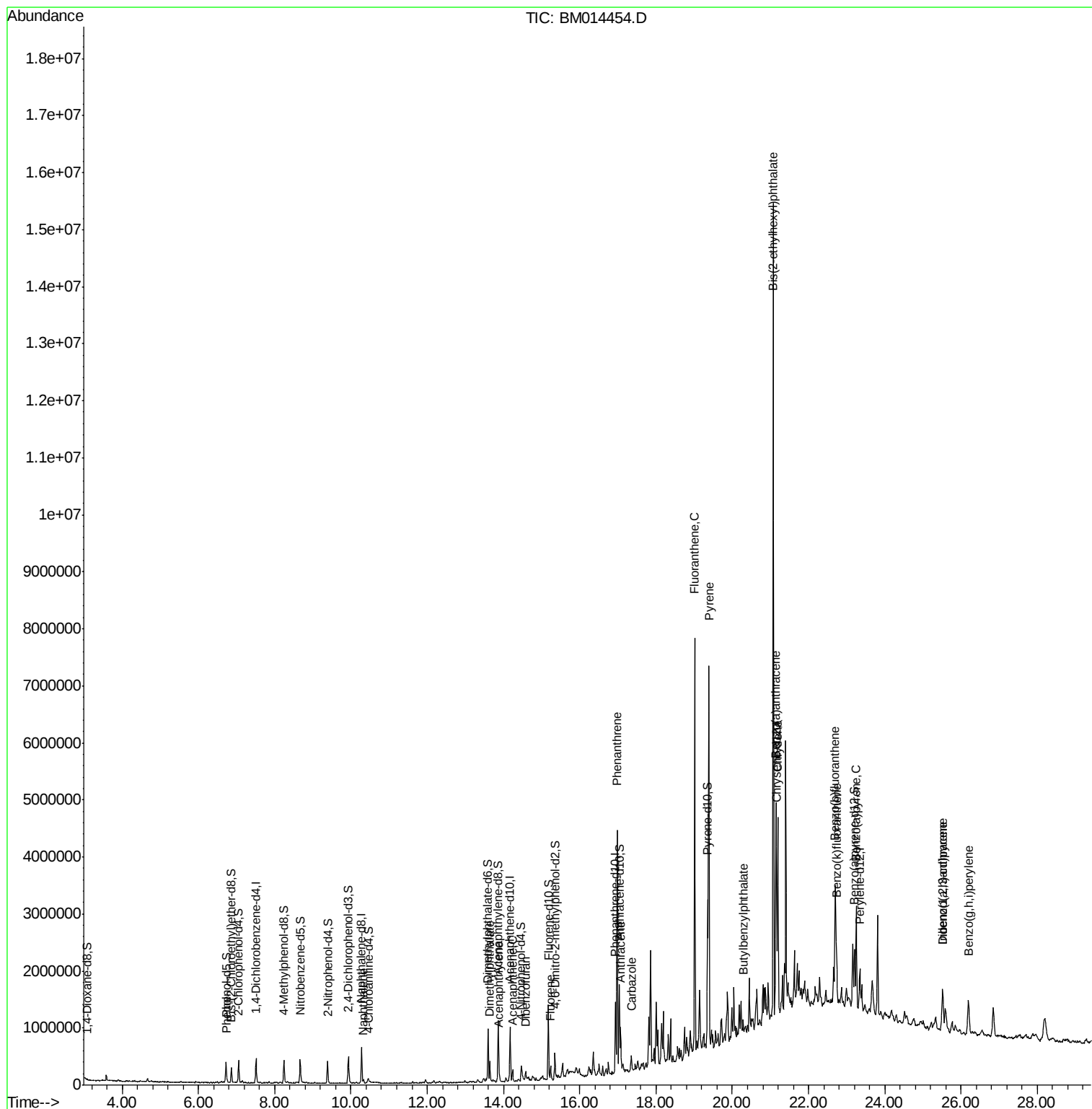
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030218\
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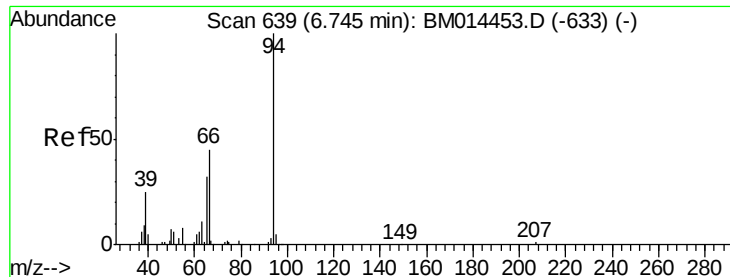
Instrument :
BNA_M
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#6

Phenol

Concen: 2.728 ng/ul

RT: 6.75 min Scan# 640

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

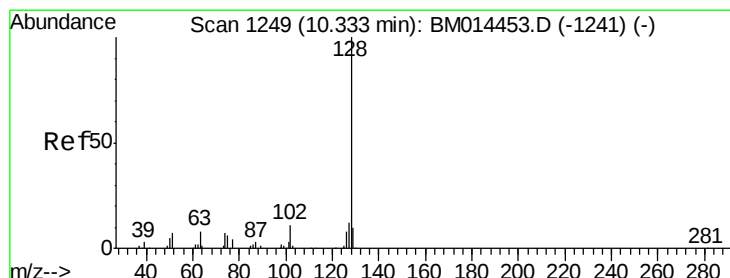
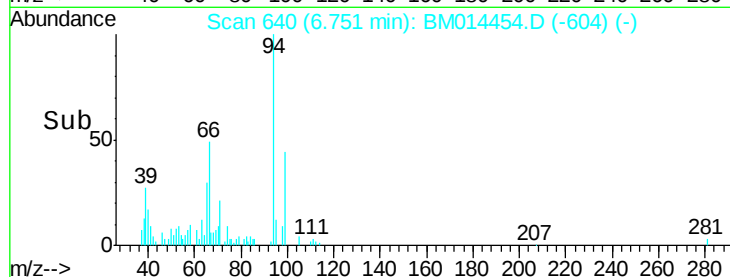
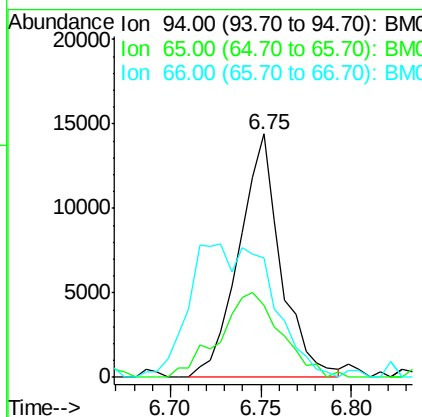
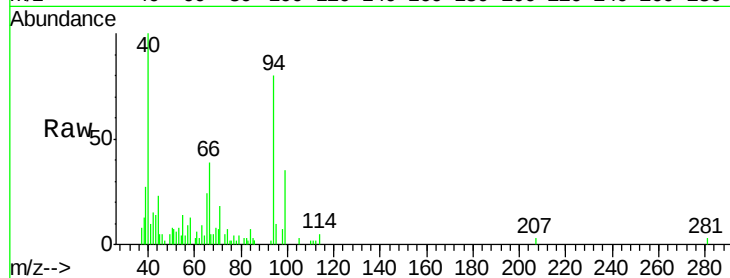
ClientSampleId :

BE5X1RE

Tot Ion:	94	Resp:	23165
Ion Ratio	Lower	Upper	
94	100		
65	29.7	28.2	42.4
66	48.8	47.2	70.8

Manual Integrations
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#28

Naphthalene

Concen: 1.781 ng/ul

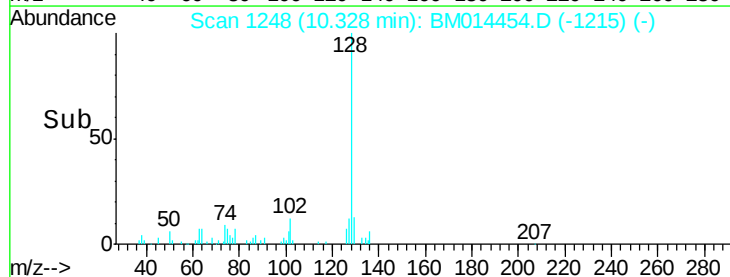
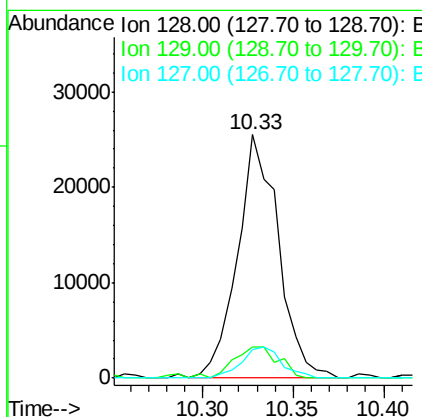
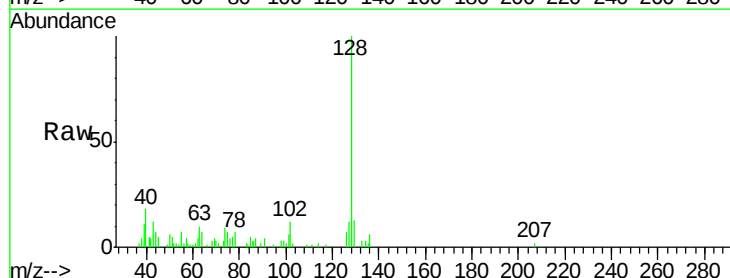
RT: 10.33 min Scan# 1248

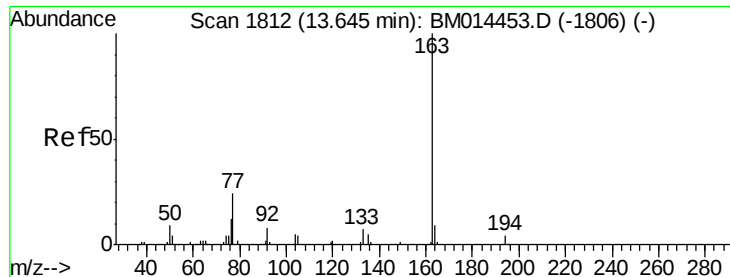
Delta R.T. -0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Tgt Ion:	128	Resp:	40086
Ion Ratio	Lower	Upper	
128	100		
129	12.7	8.8	13.2
127	11.7	10.6	16.0





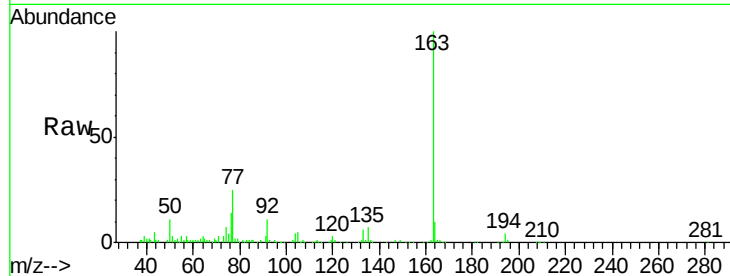
#44
Dimethylphthalate
Concen: 7.963 ng/ul
RT: 13.65 min Scan# 1812
Delta R.T. 0.00 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Instrument :
BNA_M
ClientSampleId :
BE5X1RE

Tot Ion	Ratio	Resp	Lower	Upper
163	100	180979		
194	3.6		3.5	5.3
164	10.1		8.2	12.4

Manual Integrations
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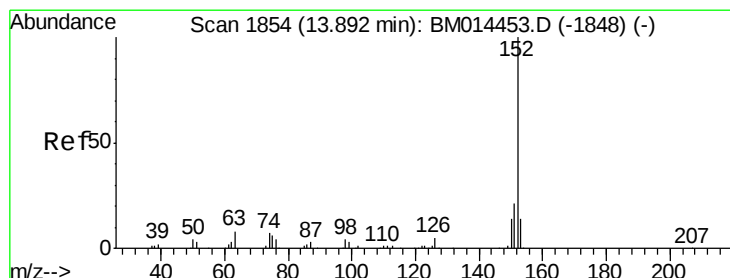
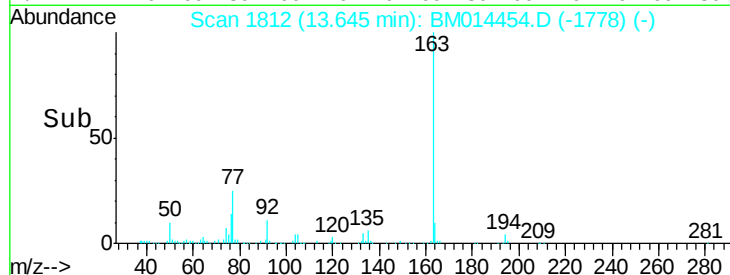
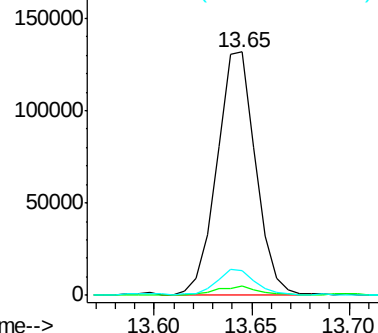


Abundance

Ion 163.00 (162.70 to 163.70): E

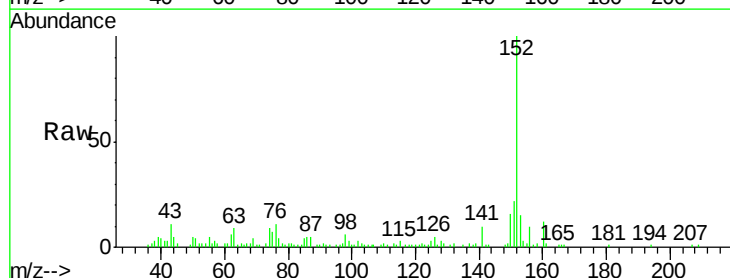
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47
Acenaphthylene
Concen: 2.829 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. 0.00 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	76000		
151	21.7		16.3	24.5
153	14.6		10.2	15.4

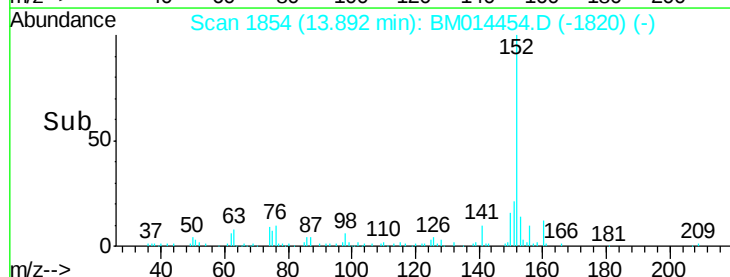
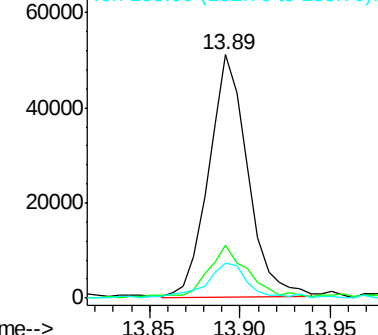


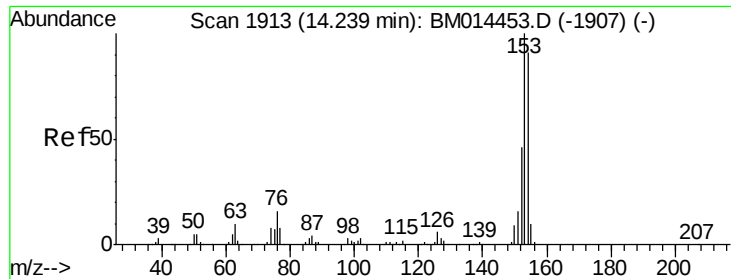
Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 4.021 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

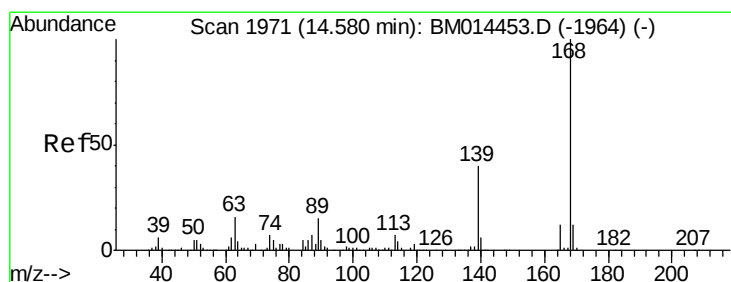
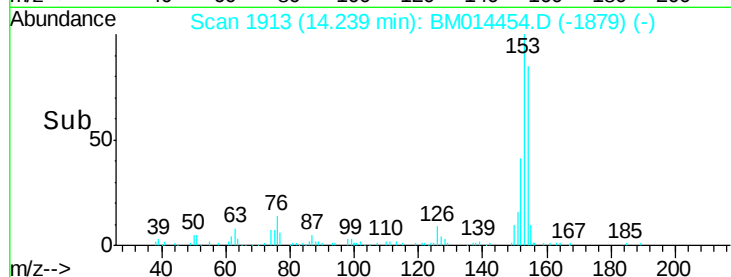
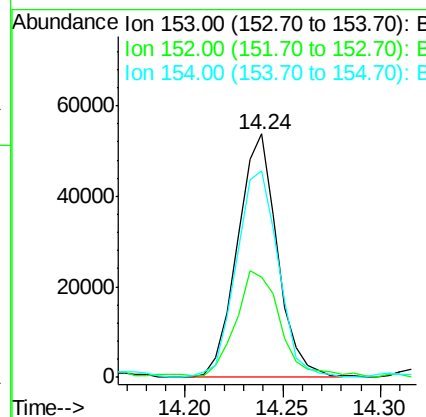
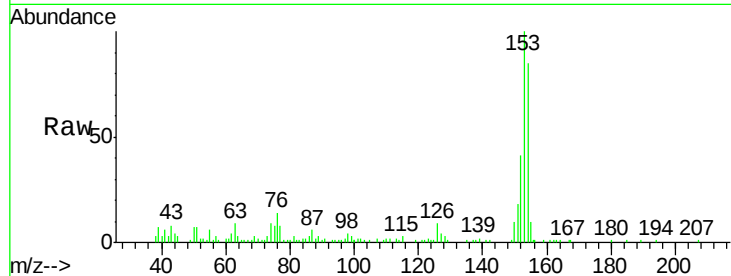
ClientSampleId :

BE5X1RE

Tot Ion:	153	Resp:	76061
Ion Ratio	Lower	Upper	
153	100		
152	41.1	37.6	56.4
154	84.7	70.4	105.6

Manual Integrations
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#53

Dibenzofuran

Concen: 2.037 ng/ul m

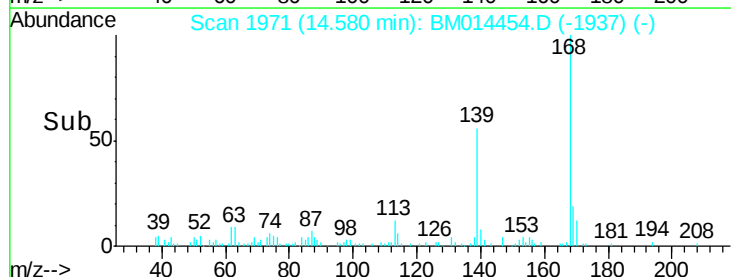
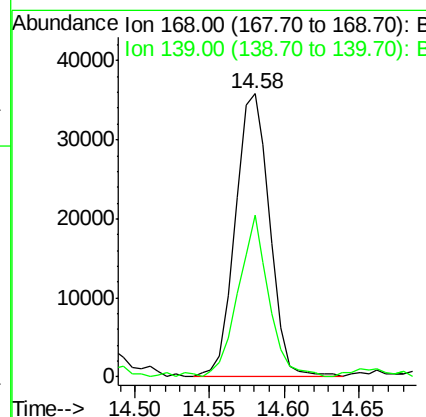
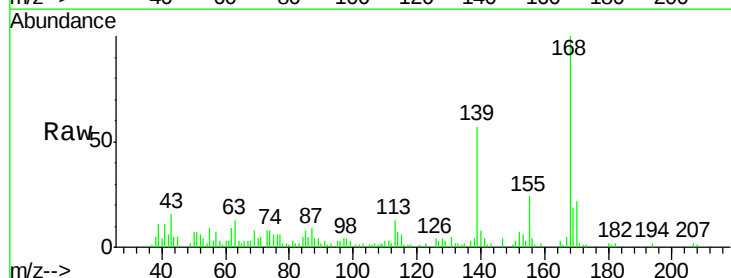
RT: 14.58 min Scan# 1971

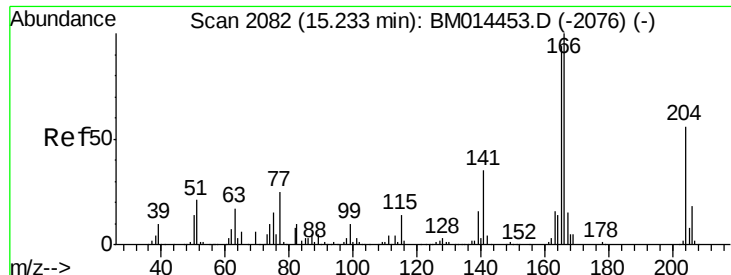
Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Tgt Ion:	168	Resp:	57783
Ion Ratio	Lower	Upper	
168	100		
139	57.4	30.8	46.2#





#58

Fluorene

Concen: 3.714 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

BE5X1RE

Tot Ion:166 Resp: 90945

Ion Ratio Lower Upper

166 100

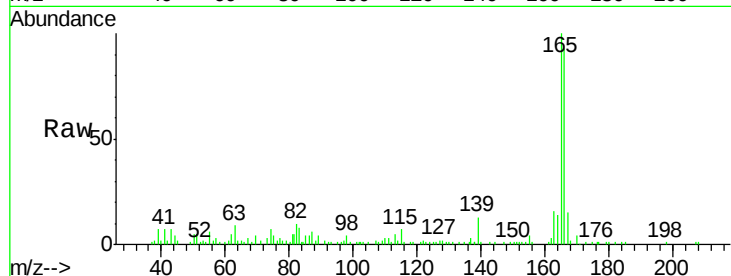
165 108.1 77.9 116.9

167 15.7 10.6 16.0

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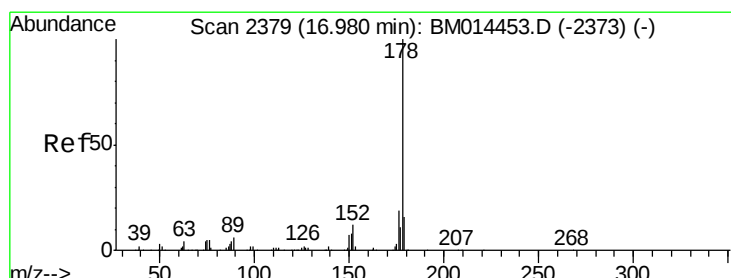
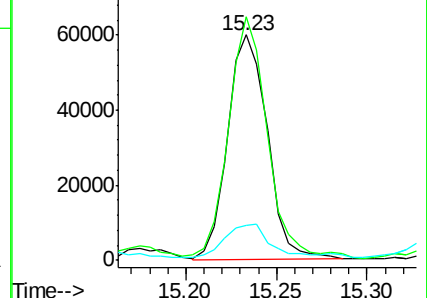
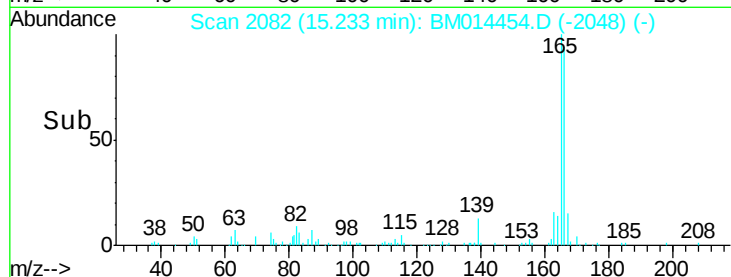
3/5/2018 3:20:50 PM



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#69

Phenanthrene

Concen: 60.858 ng/ul

RT: 16.98 min Scan# 2379

Delta R.T. 0.00 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

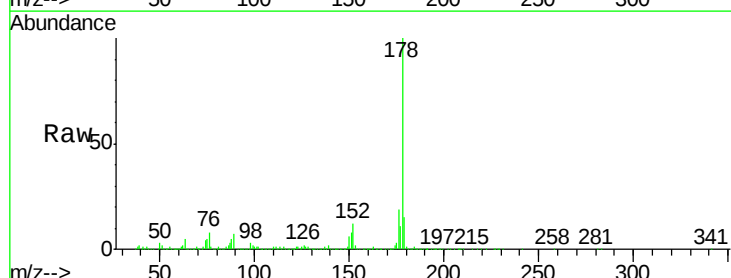
Tgt Ion:178 Resp: 2173907

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

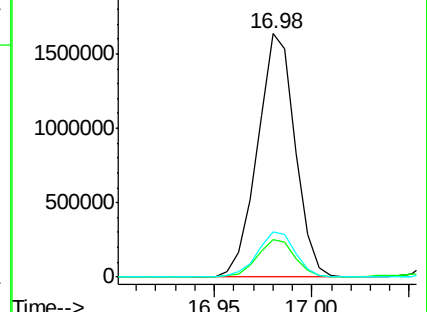
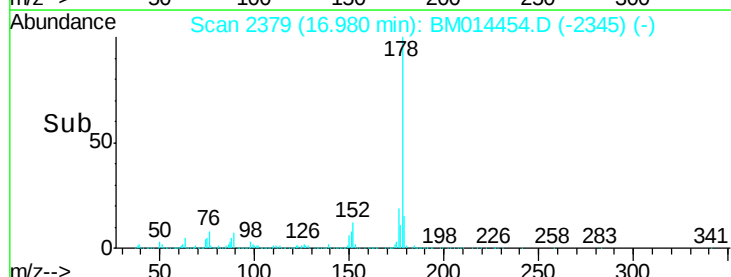
176 18.8 14.9 22.3

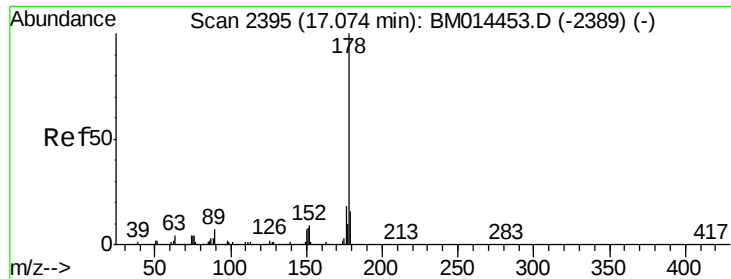


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





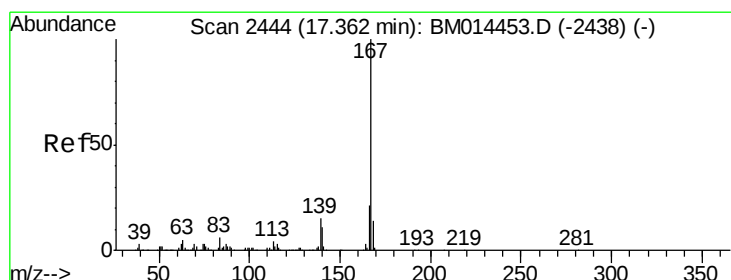
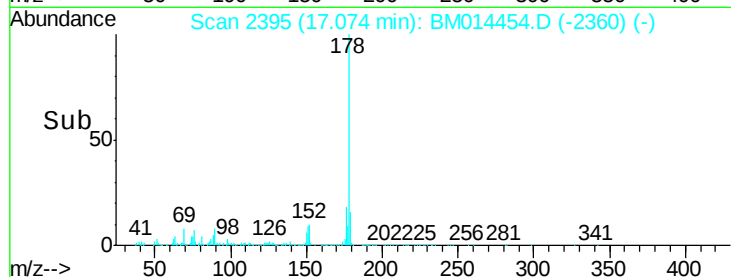
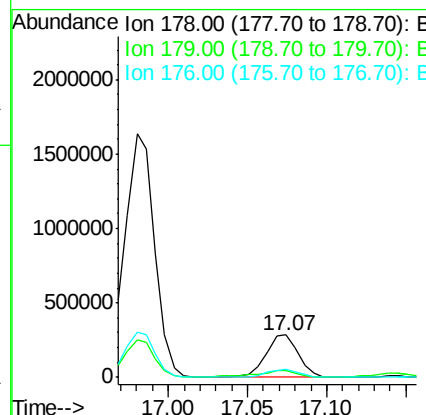
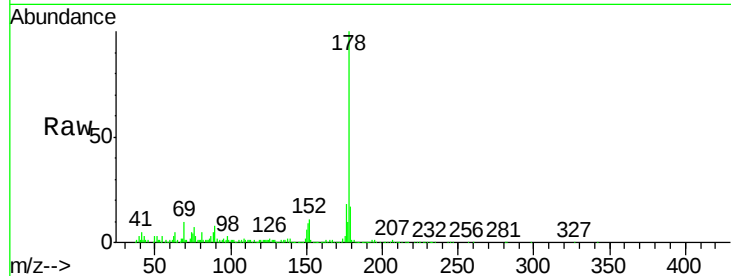
#71
 Anthracene
 Concen: 11.268 ng/ul
 RT: 17.07 min Scan# 2395
 Delta R.T. 0.01 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

Instrument :
 BNA_M
 ClientSampleId :
 BE5X1RE

Tot Ion	Ratio	Lower	Upper
178	100		
179	16.7	11.7	17.5
176	17.7	14.6	21.8

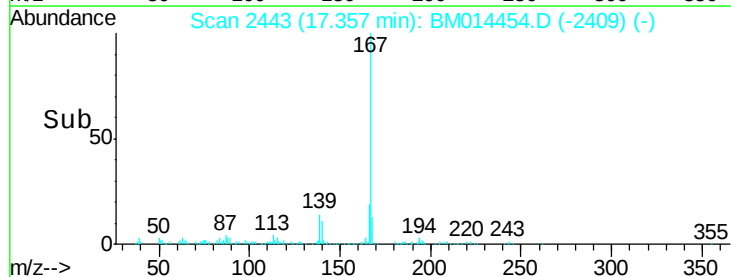
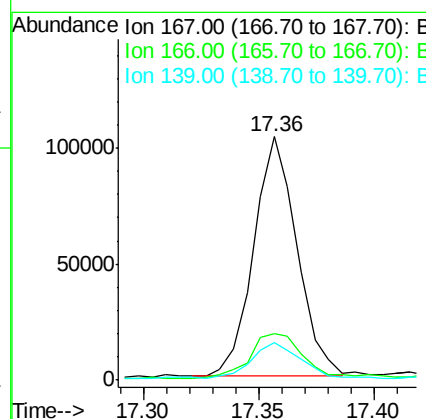
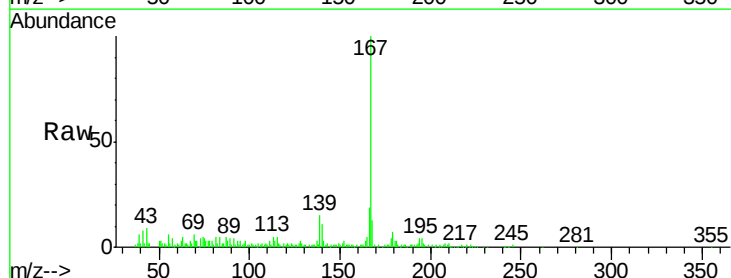
Manual Integrations
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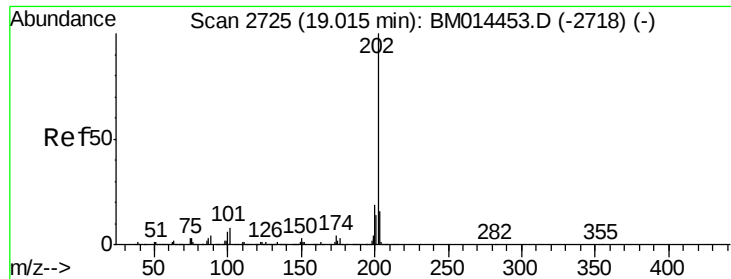
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#72
 Carbazole
 Concen: 4.456 ng/ul
 RT: 17.36 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

Tgt Ion	Ratio	Lower	Upper
167	100		
166	19.1	17.1	25.7
139	15.2	10.0	15.0#





#74

Fluoranthene

Concen: 87.038 ng/ul

RT: 19.02 min Scan# 2725

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

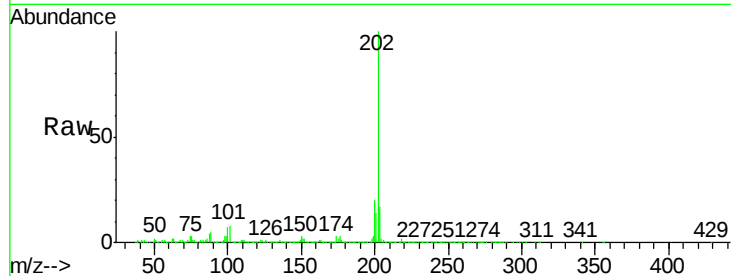
ClientSampleId :

BE5X1RE

Tot Ion:	202	Resp:	3714533
Ion Ratio	Lower	Upper	
202	100		
101	8.3	4.6	7.0#
100	6.6	3.4	5.2#

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 100.00 (99.70 to 100.70): B

19.02

3000000

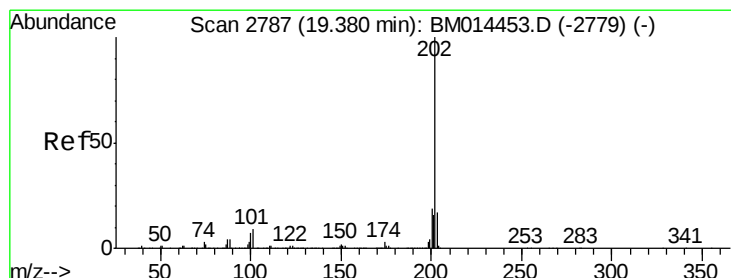
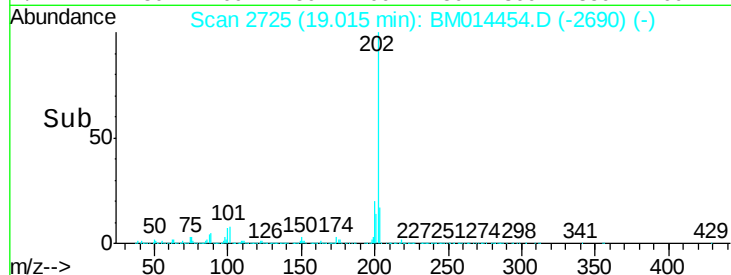
2000000

1000000

0

Time-->

18.95 19.00 19.05



#77

Pyrene

Concen: 92.653 ng/ul

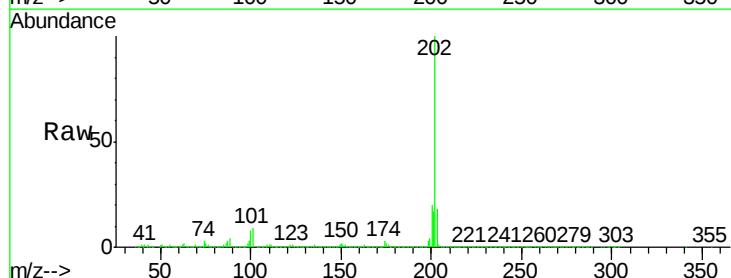
RT: 19.39 min Scan# 2788

Delta R.T. 0.01 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Tgt Ion:	202	Resp:	3862856
Ion Ratio	Lower	Upper	
202	100		
101	9.2	5.1	7.7#
100	7.8	4.9	7.3#



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

19.39

3000000

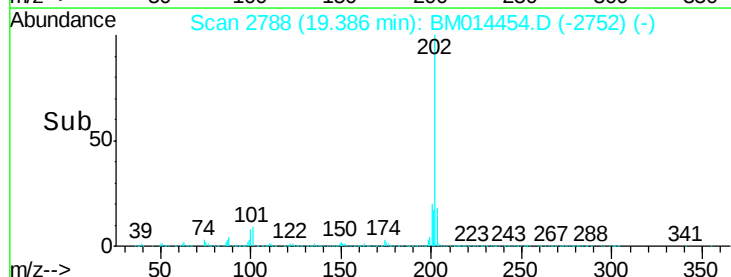
2000000

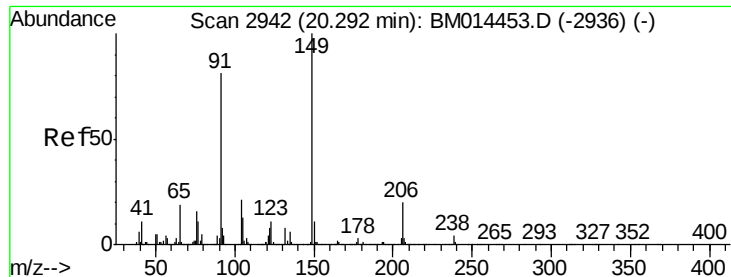
1000000

0

Time-->

19.30 19.35 19.40 19.45





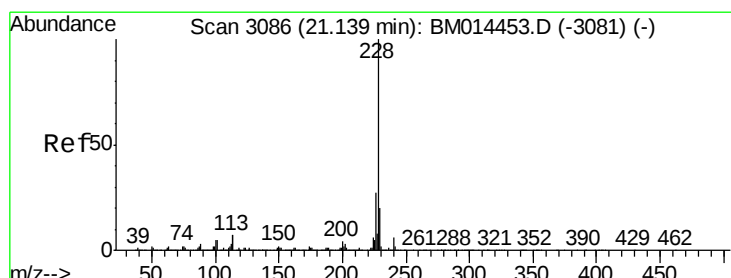
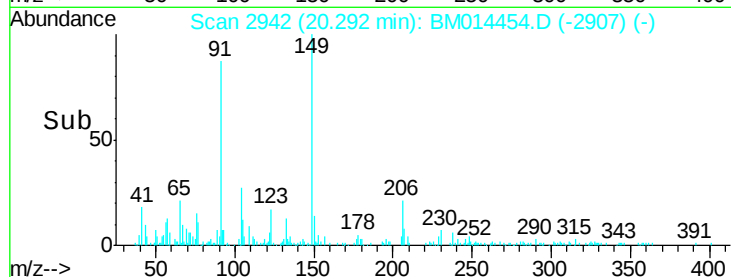
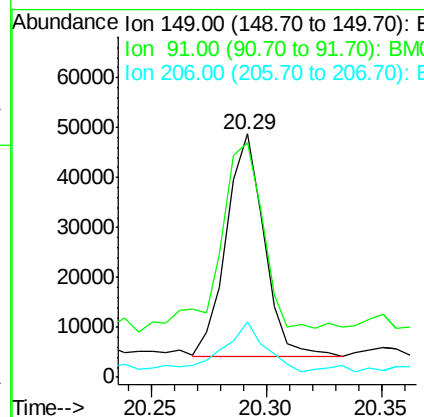
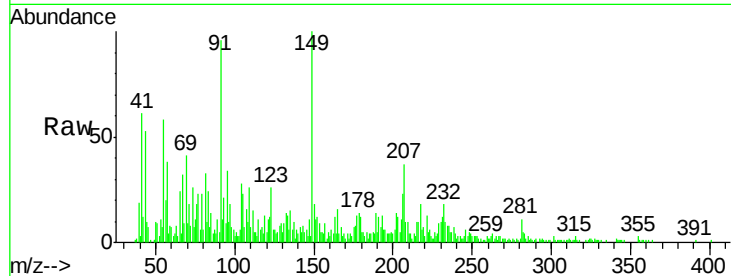
#78
Butylbenzylphthalate
Concen: 2.952 ng/ul
RT: 20.29 min Scan# 2942
Delta R.T. 0.01 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Instrument :
BNA_M
ClientSampleId :
BE5X1RE

Tot Ion	Ratio	Lower	Upper
149	100		
91	96.4	62.7	94.1#
206	22.8	20.8	31.2

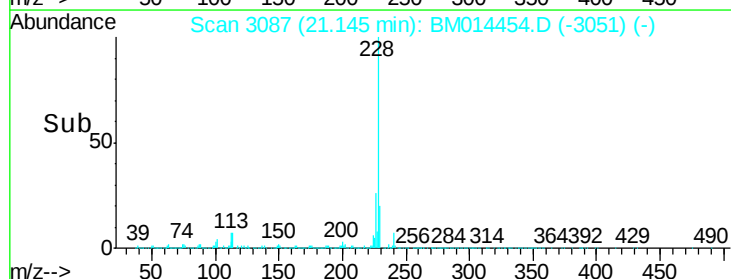
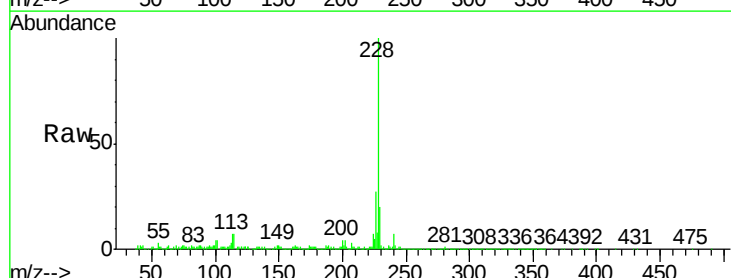
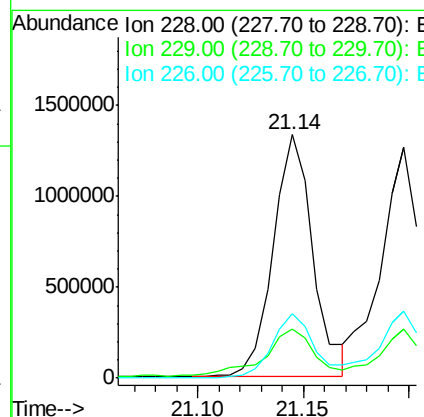
Manual Integrations
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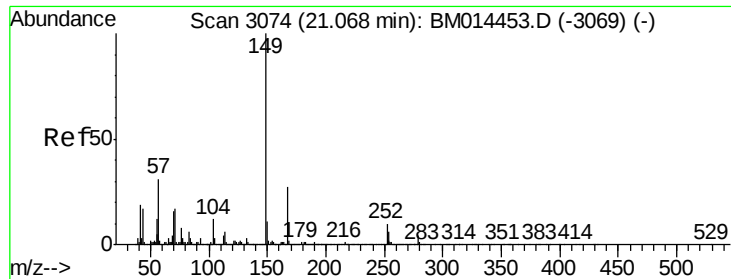
Sohil
3/5/2018 3:20:50 PM



#80
Benzo(a)anthracene
Concen: 44.648 ng/ul
RT: 21.14 min Scan# 3087
Delta R.T. 0.01 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.3	15.4	23.0
226	26.7	21.4	32.0





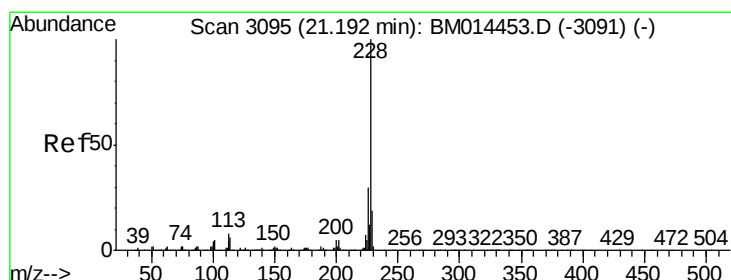
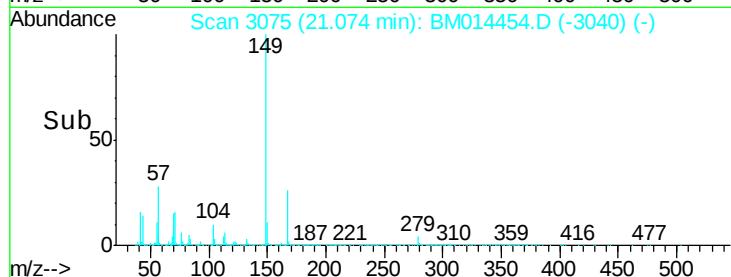
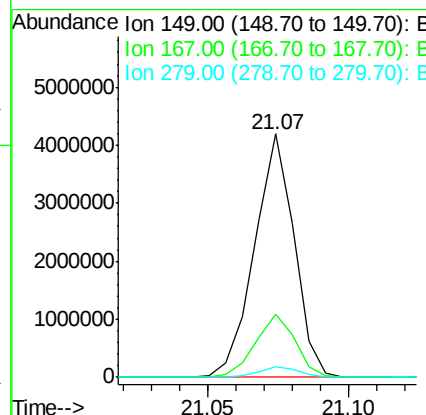
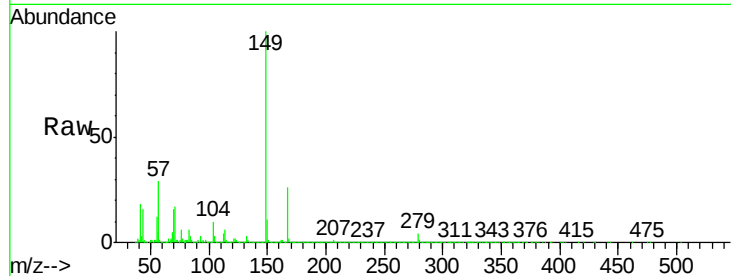
#81
 Bis(2-ethylhexyl)phthalate
 Concen: 164.567 ng/ul
 RT: 21.07 min Scan# 3075
 Delta R.T. 0.01 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

Instrument :
 BNA_M
 ClientSampleId :
 BE5X1RE

Tot Ion:149 Resp: 4062914
 Ion Ratio Lower Upper
 149 100
 167 25.8 22.8 34.2
 279 4.2 4.9 7.3#

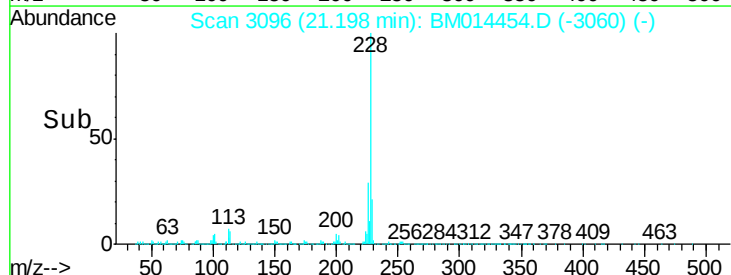
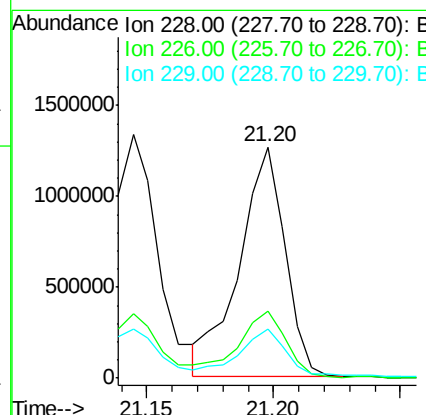
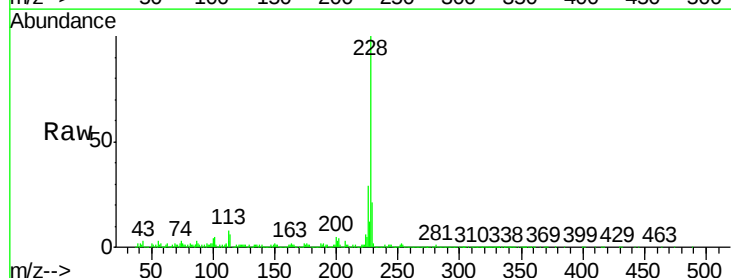
Manual Integrations
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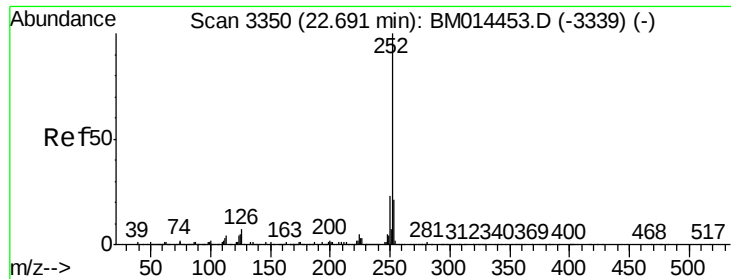
Sohil
 3/5/2018 3:20:50 PM



#82
 Chrysene
 Concen: 43.454 ng/ul
 RT: 21.20 min Scan# 3096
 Delta R.T. 0.01 min
 Lab File: BM014454.D
 Acq: 02 Mar 2018 10:31

Tgt Ion:228 Resp: 1587142
 Ion Ratio Lower Upper
 228 100
 226 28.8 23.4 35.2
 229 21.4 15.5 23.3





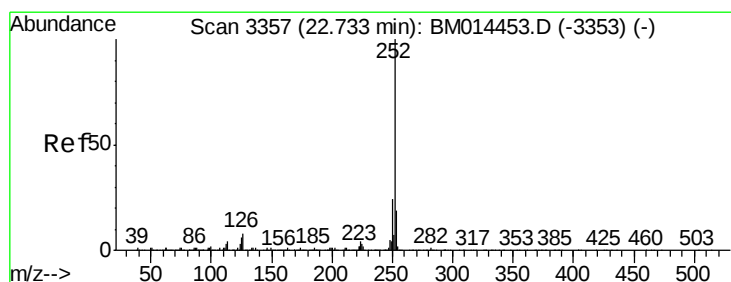
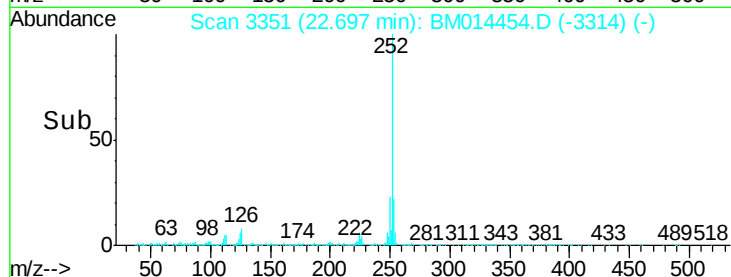
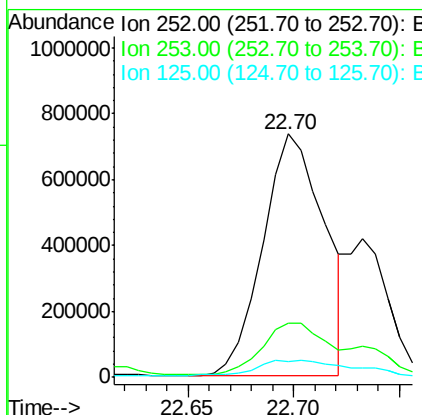
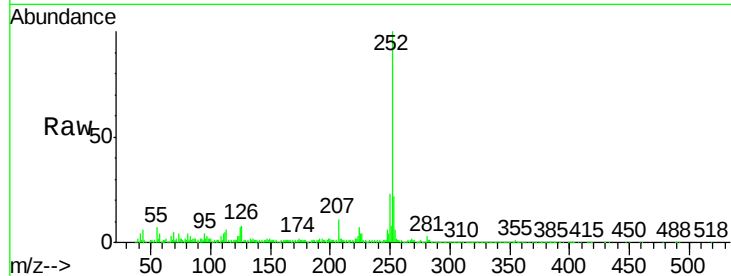
#85
Benzo(b)fluoranthene
Concen: 46.518 ng/ul
RT: 22.70 min Scan# 3351
Delta R.T. 0.02 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Instrument :
BNA_M
ClientSampled :
BE5X1RE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	6.5	3.6	5.4

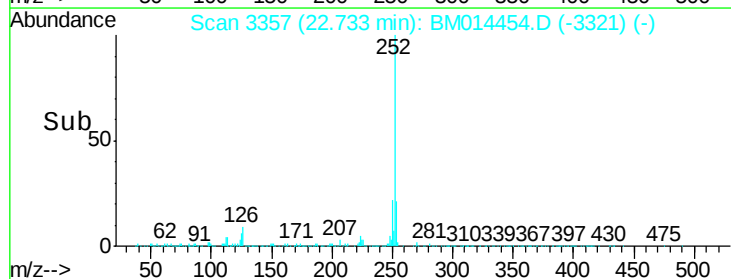
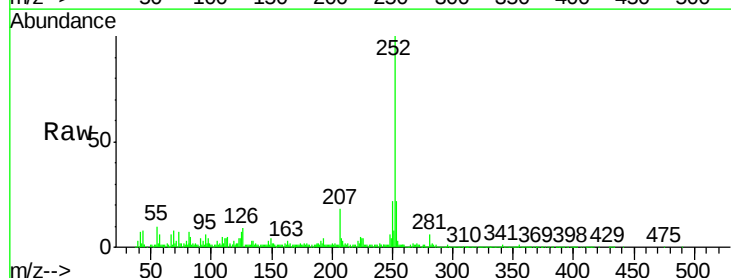
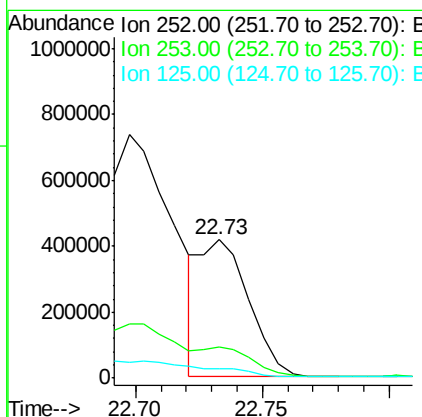
Manual Integrations
APPROVED

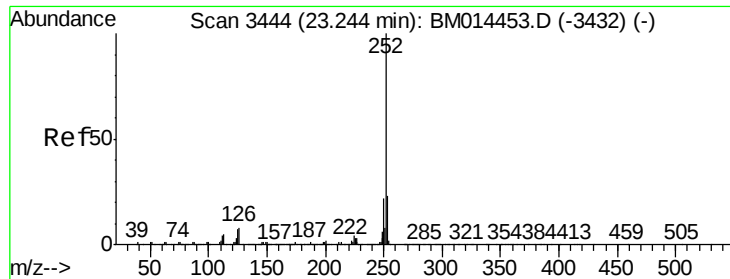
Sohil
3/5/2018 3:20:50 PM



#86
Benzo(k)fluoranthene
Concen: 18.092 ng/ul
RT: 22.73 min Scan# 3357
Delta R.T. 0.01 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.1	25.7
125	7.0	3.4	5.2





#88

Benzo(a)pyrene

Concen: 38.715 ng/ul

RT: 23.25 min Scan# 3445

Delta R.T. 0.02 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

Instrument :

BNA_M

ClientSampleId :

BE5X1RE

Tot Ion:252 Resp: 1106914

Ion Ratio Lower Upper

252 100

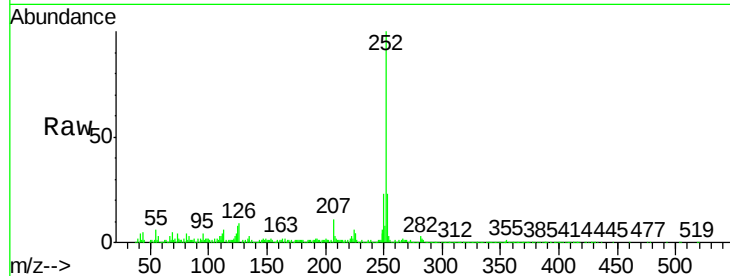
253 23.3 18.2 27.2

125 7.6 4.0 6.0#

Manual Integrations
APPROVED

Sohil

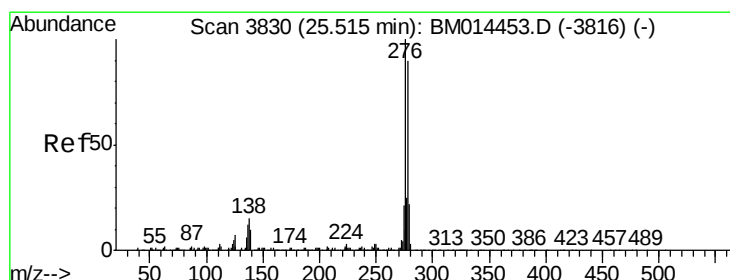
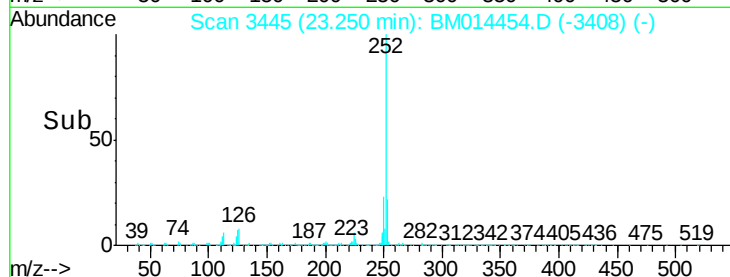
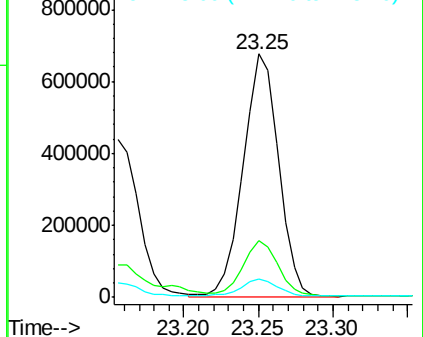
3/5/2018 3:20:50 PM



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 23.208 ng/ul

RT: 25.52 min Scan# 3831

Delta R.T. 0.04 min

Lab File: BM014454.D

Acq: 02 Mar 2018 10:31

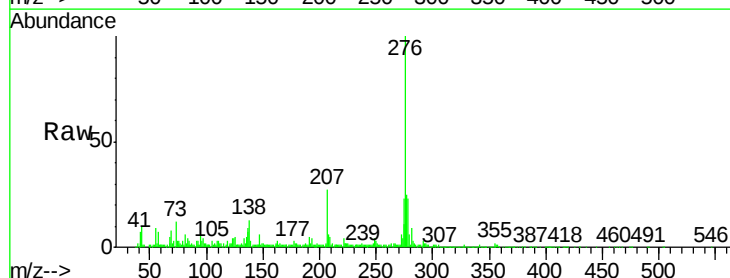
Tgt Ion:276 Resp: 643881

Ion Ratio Lower Upper

276 100

138 13.0 9.3 13.9

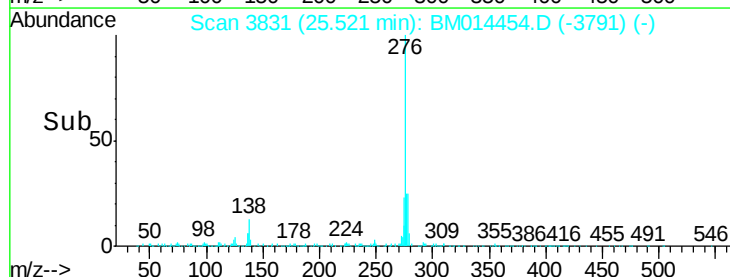
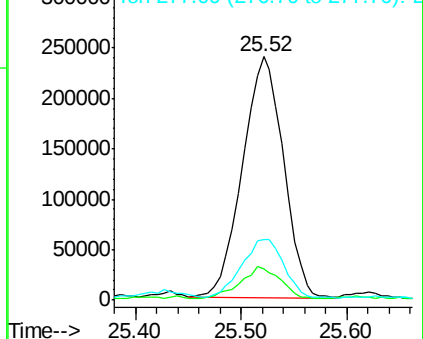
277 25.1 19.9 29.9

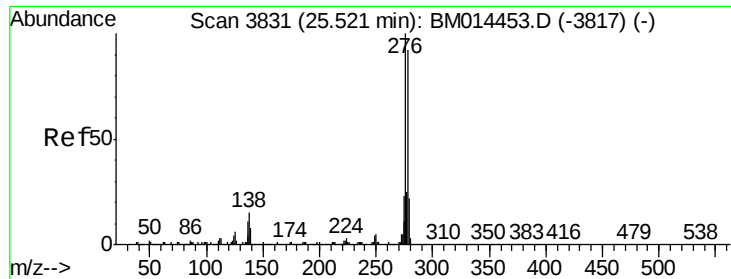


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





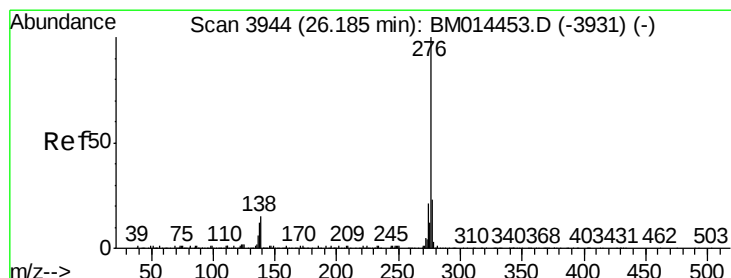
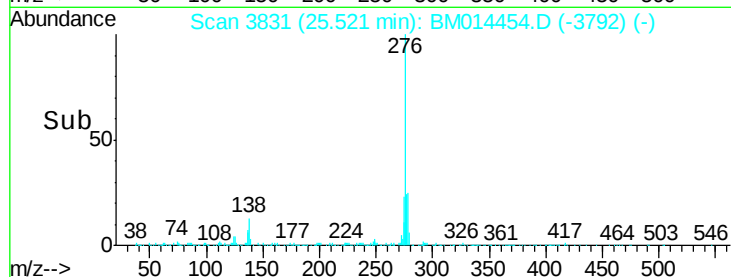
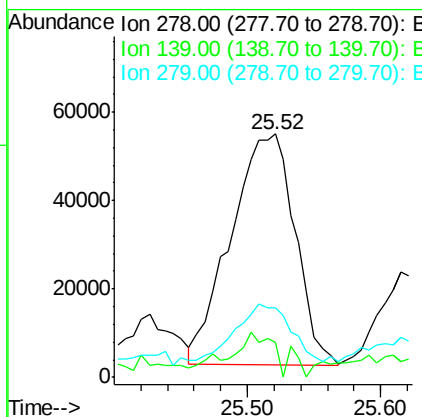
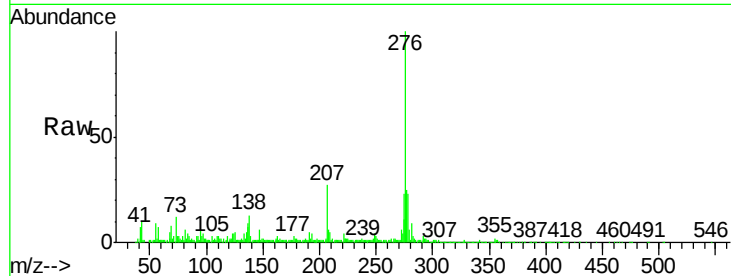
#90
Dibenzo(a,h)anthracene
Concen: 7.568 ng/ul
RT: 25.52 min Scan# 3831
Delta R.T. 0.03 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Instrument :
BNA_M
ClientSampleId :
BE5X1RE

Tot Ion	Ratio	Lower	Upper
278	100		
139	14.6	5.8	8.8#
279	28.5	18.6	27.8#

Manual Integrations
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3/5/2018 3:20:50 PM



#91
Benzo(g,h,i)perylene
Concen: 22.668 ng/ul
RT: 26.19 min Scan# 3945
Delta R.T. 0.04 min
Lab File: BM014454.D
Acq: 02 Mar 2018 10:31

Tgt Ion	Ratio	Lower	Upper
276	100		
138	14.1	8.5	12.7#
277	22.7	18.6	28.0

