

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014483.D
 Acq On : 05 Mar 2018 21:24
 Operator : SJ/JU
 Sample : J1678-05
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5T4

Manual Integrations
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Sohil
 3/6/2018 5:47:10 PM

Quant Time: Mar 06 01:36:36 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Mar 05 23:57:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	86856	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	345399	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	196777	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	404264	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	396028	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	361893m	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	10068m	4.96	ng/uL	0.00
5) Phenol-d5	6.72	99	224889	30.64	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.86	67	136344	30.68	ng/ul	0.00
9) 2-Chlorophenol-d4	7.05	132	186741	33.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.25	113	185241	28.84	ng/ul	0.00
19) Nitrobenzene-d5	8.67	128	90927	35.62	ng/ul	0.00
22) 2-Nitrophenol-d4	9.39	143	103543	39.19	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.94	165	179813	32.86	ng/ul	0.00
29) 4-Chloroaniline-d4	10.46	131	125698	23.32	ng/ul	0.00
43) Dimethylphthalate-d6	13.60	166	593666	36.53	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	734000	36.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	61421m	27.38	ng/ul	-0.02
57) Fluorene-d10	15.17	176	490158	33.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	57183	23.58	ng/ul	0.00
70) Anthracene-d10	17.04	188	717415	36.78	ng/ul	0.00
76) Pyrene-d10	19.35	212	744381	36.44	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.21	264	606920	34.46	ng/ul	0.01

Target Compounds

				Ovalue	
24) 2,4-Dimethylphenol	9.50	107	16873m	2.405	ng/ul
28) Naphthalene	10.33	128	201405	11.353	ng/ul 98
34) 2-Methylnaphthalene	11.96	142	114850	8.506	ng/ul 95
40) 1,1'-Biphenyl	12.99	154	26325	1.737	ng/ul# 91
44) Dimethylphthalate	13.64	163	130470	8.142	ng/ul# 94
47) Acenaphthylene	13.89	152	127765	6.746	ng/ul# 95
49) Acenaphthene	14.24	153	162227	12.164	ng/ul 96
53) Dibenzofuran	14.58	168	153016	7.652	ng/ul 89
58) Fluorene	15.23	166	245000	14.192	ng/ul 97
60) 4-Nitroaniline	15.30	138	5809	2.007	ng/ul# 45
69) Phenanthrene	16.99	178	4502640	193.312	ng/ul 99
71) Anthracene	17.07	178	737902	31.501	ng/ul 97
72) Carbazole	17.36	167	268091	13.611	ng/ul 98
73) Di-n-butylphthalate	17.91	149	90575	3.564	ng/ul 98
74) Fluoranthene	19.02	202	5260627	189.042	ng/ul# 93
77) Pyrene	19.39	202	5467868	207.754	ng/ul# 95
80) Benzo(a)anthracene	21.15	228	2570101	103.985	ng/ul 98
82) Chrysene	21.20	228	2516720	109.152	ng/ul 98
85) Benzo(b)fluoranthene	22.70	252	2847743	117.521	ng/ul# 98
86) Benzo(k)fluoranthene	22.74	252	683170m	29.653	ng/ul
88) Benzo(a)pyrene	23.26	252	2014506m	93.034	ng/ul
89) Indeno(1,2,3-cd)pyrene	25.55	276	1179145m	56.118	ng/ul
90) Dibenzo(a,h)anthracene	25.54	278	381000m	21.822	ng/ul

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Quant Title : SVOA CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
-----	-----	-----	-----	-----	-----	-----
91) Benzo(q,h,i)perylene	26.22	276	996754m	58.558	ng/ul	
-----	-----	-----	-----	-----	-----	-----

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

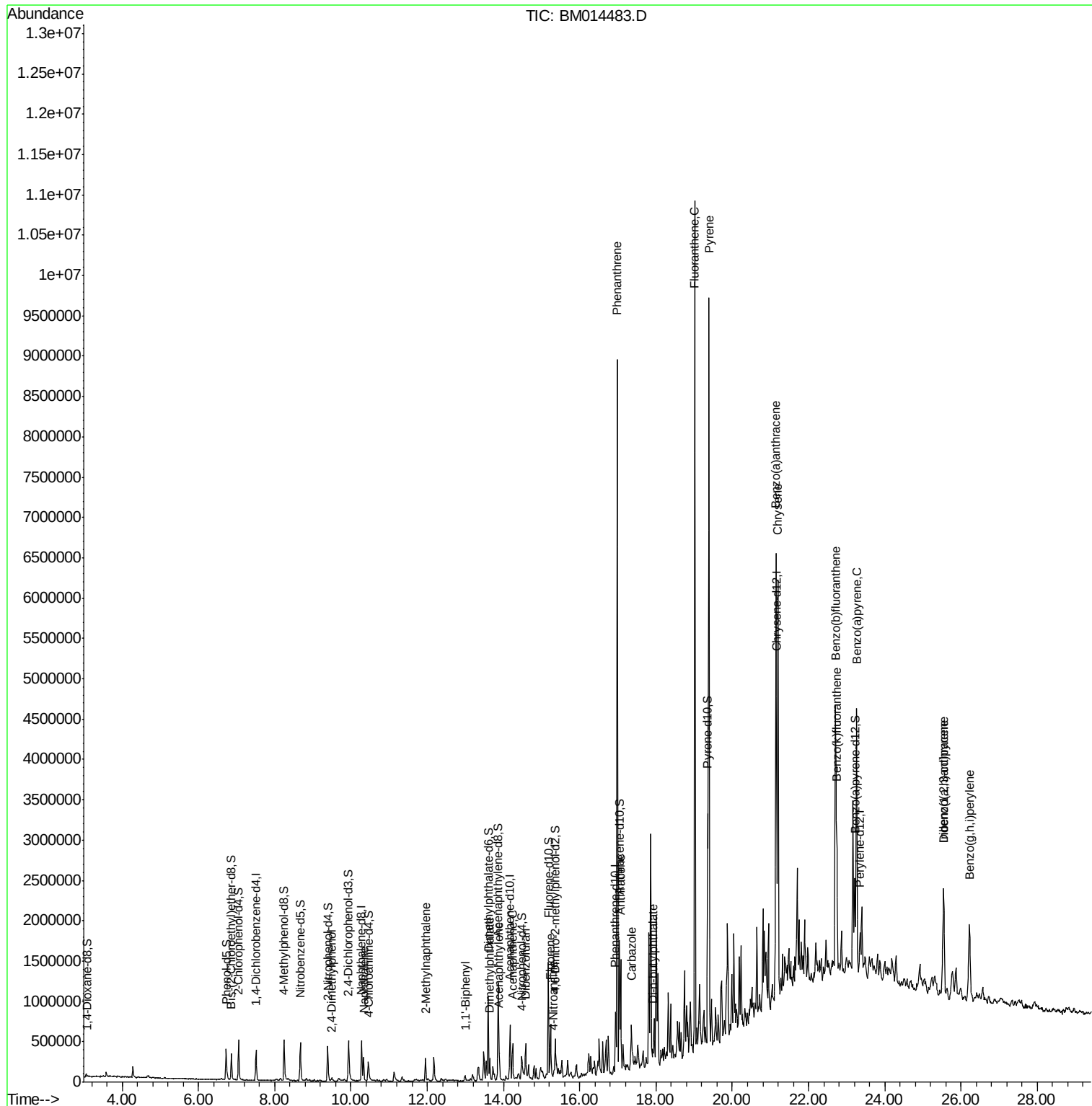
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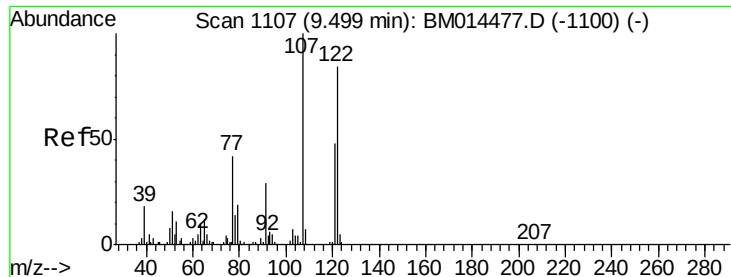
Instrument :
 BNA_M
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#24

2,4-Dimethylphenol

Concen: 2.405 ng/ul m

RT: 9.50 min Scan# 1108

Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

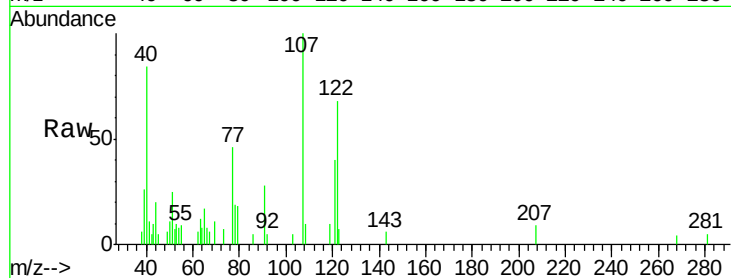
ClientSampled :

BE5T4

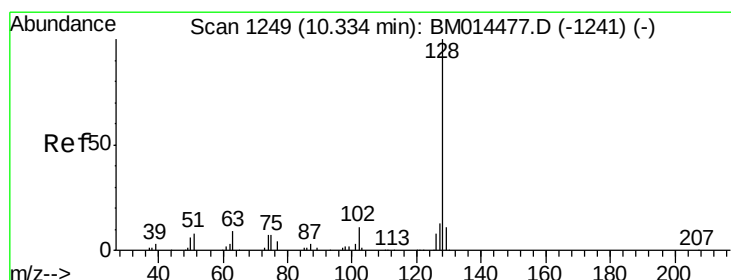
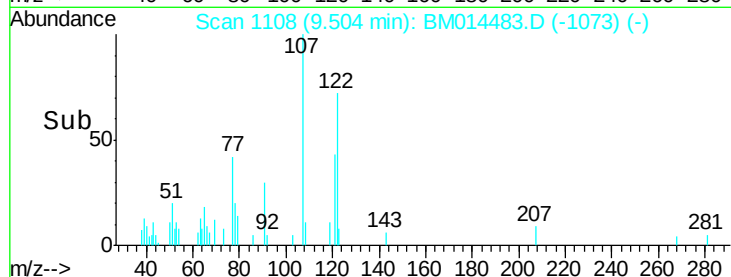
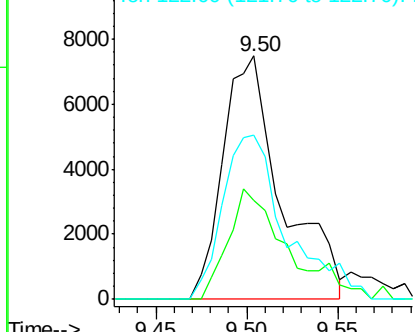
Tot Ion:	107	Resp:	16873
Ion Ratio	Lower	Upper	
107	100		
121	40.5	31.9	47.9
122	67.6	57.8	86.6

Manual Integrations
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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E
Ion 122.00 (121.70 to 122.70): E



#28

Naphthalene

Concen: 11.353 ng/ul

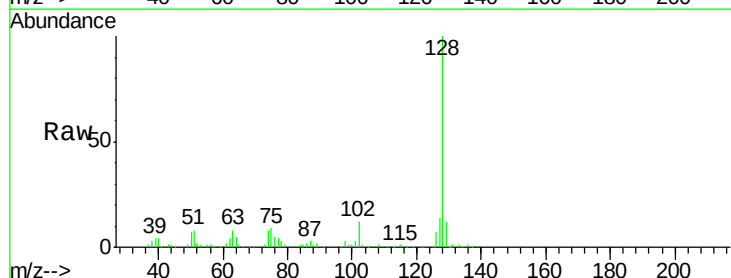
RT: 10.33 min Scan# 1249

Delta R.T. -0.00 min

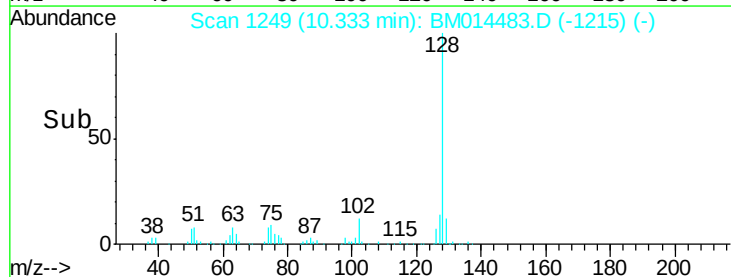
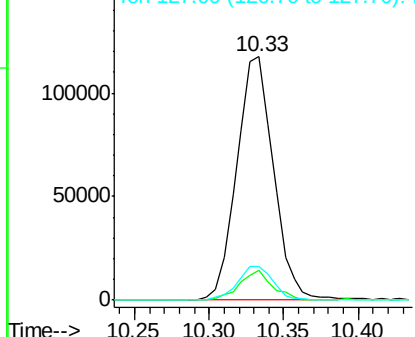
Lab File: BM014483.D

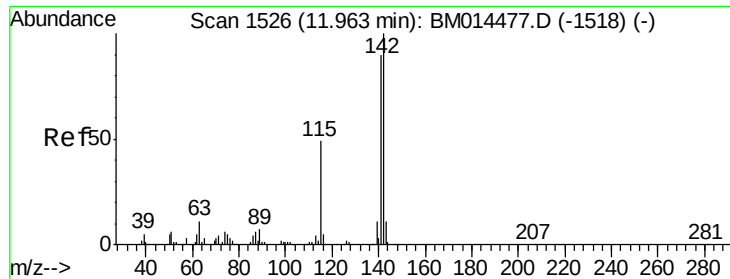
Acq: 05 Mar 2018 21:24

Tgt Ion:	128	Resp:	201405
Ion Ratio	Lower	Upper	
128	100		
129	12.1	8.8	13.2
127	13.9	10.6	16.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E





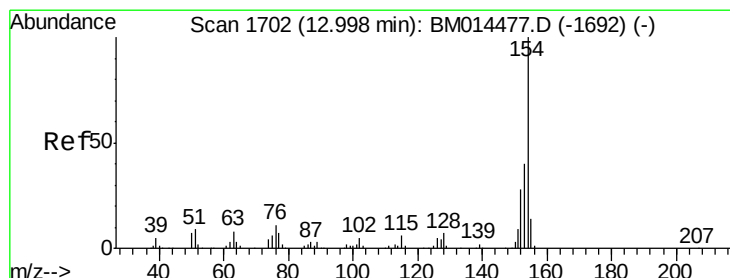
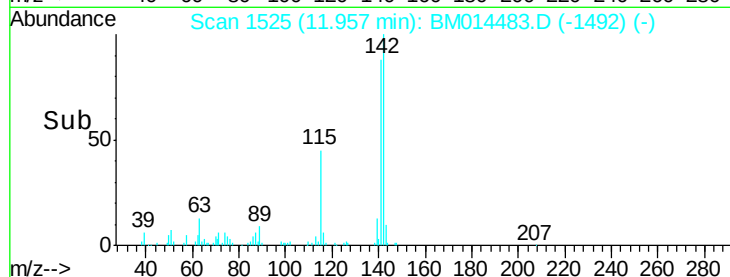
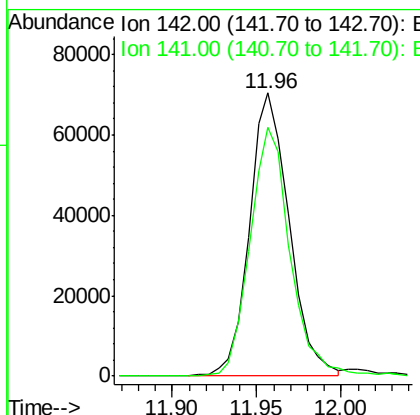
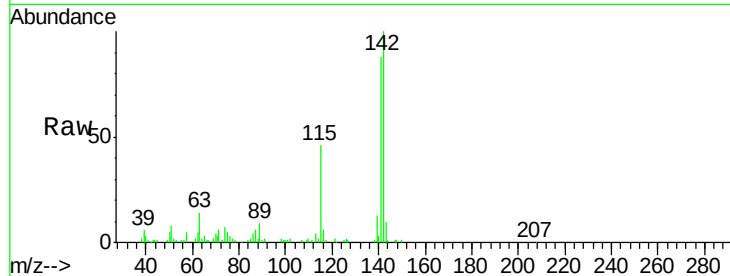
#34
 2-Methylnaphthalene
 Concen: 8.506 ng/ul
 RT: 11.96 min Scan# 1525
 Delta R.T. -0.01 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

Instrument :
 BNA_M
 ClientSampleId :
 BE5T4

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.7	74.1	111.1

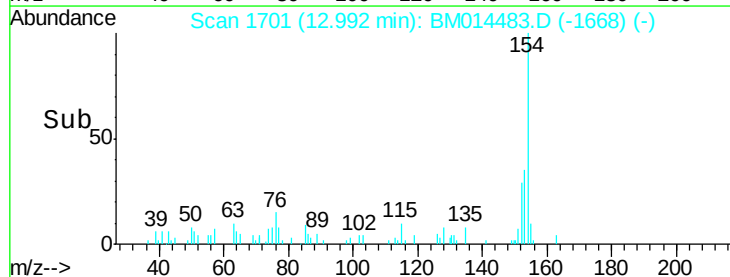
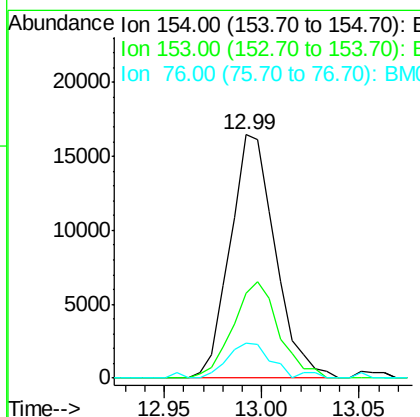
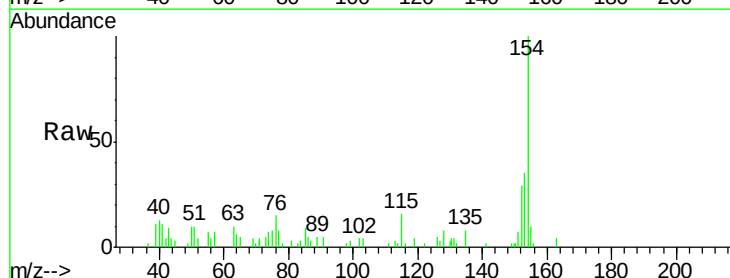
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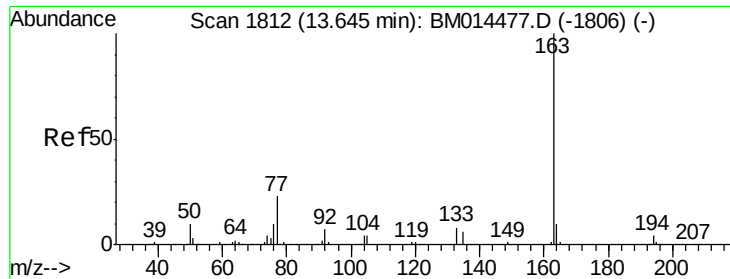
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#40
 1,1'-Biphenyl
 Concen: 1.737 ng/ul
 RT: 12.99 min Scan# 1701
 Delta R.T. -0.01 min
 Lab File: BM014483.D
 Acq: 05 Mar 2018 21:24

Tgt Ion	Ratio	Lower	Upper
154	100		
153	35.1	32.6	48.8
76	14.6	8.5	12.7#





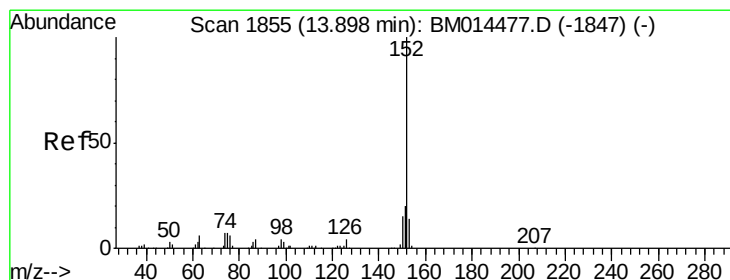
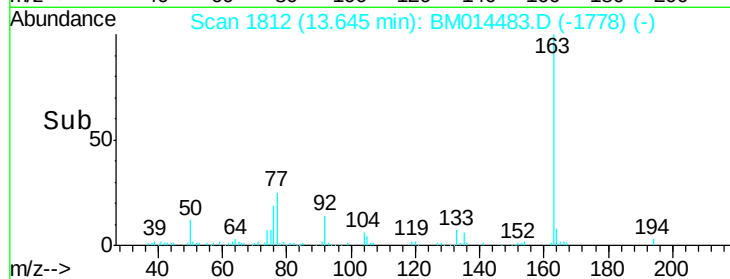
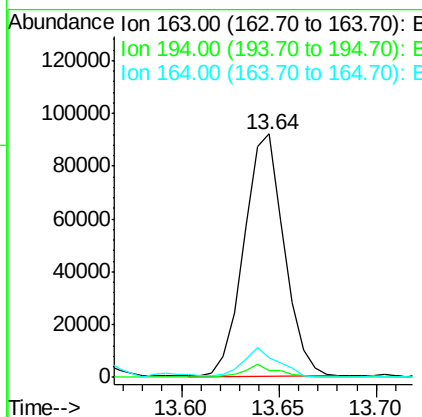
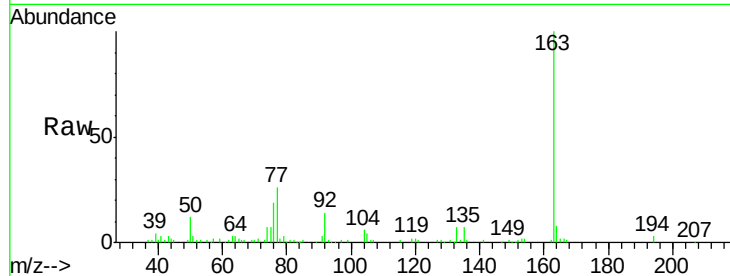
#44
Dimethylphthalate
Concen: 8.142 ng/ul
RT: 13.64 min Scan# 1812
Delta R.T. -0.00 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Instrument :
BNA_M
ClientSampleId :
BE5T4

Tot Ion	Ratio	Resp	Lower	Upper
163	100	130470		
194	2.9	3.5	5.3#	
164	8.0	8.2	12.4#	

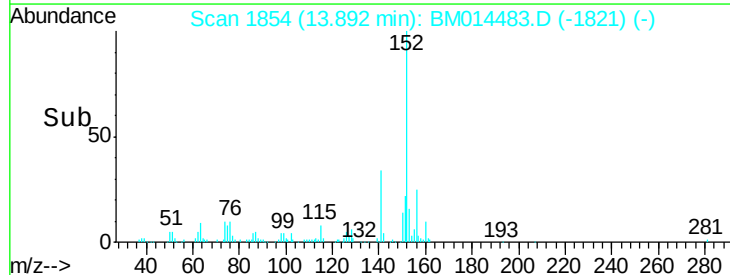
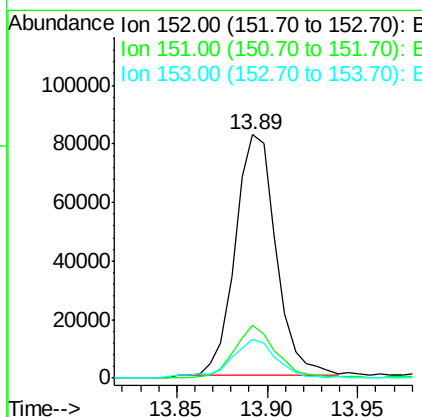
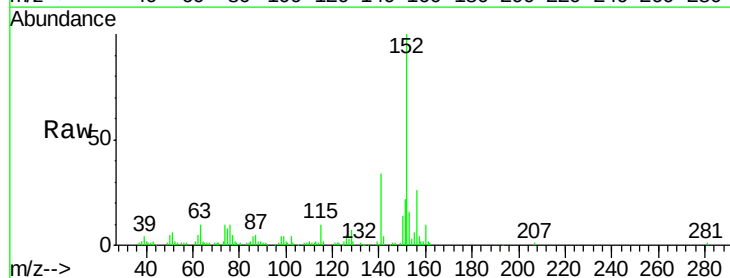
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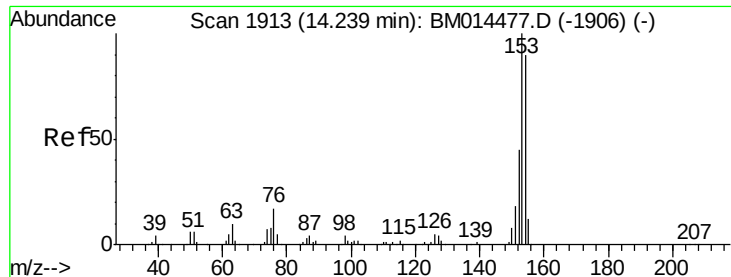
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#47
Acenaphthylene
Concen: 6.746 ng/ul
RT: 13.89 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	127765		
151	21.9	16.3	24.5	
153	15.7	10.2	15.4#	





#49

Acenaphthene

Concen: 12.164 ng/ul

RT: 14.24 min Scan# 1913

Delta R.T. -0.00 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

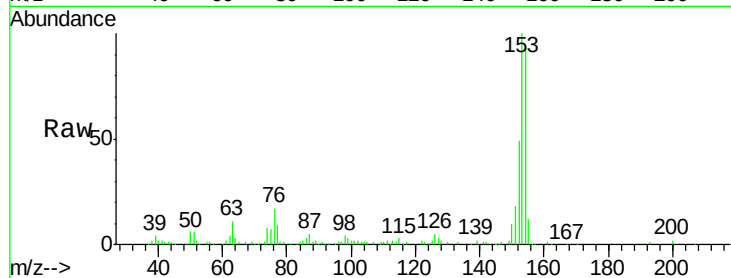
ClientSampled :

BE5T4

Tot Ion:	153	Resp:	162227
Ion Ratio	Lower	Upper	
153	100		
152	48.5	37.6	56.4
154	92.9	70.4	105.6

Manual Integrations
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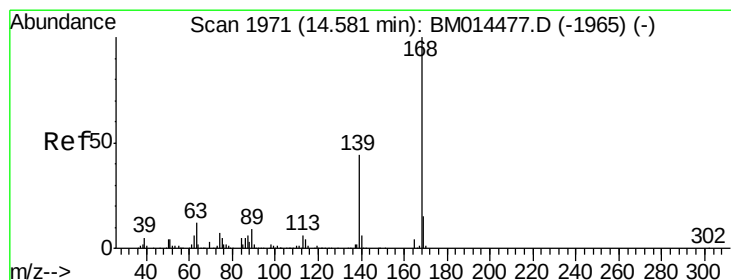
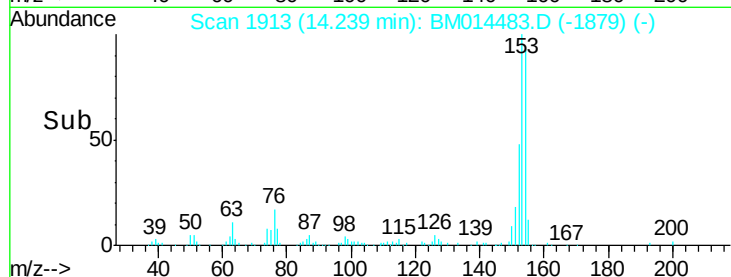
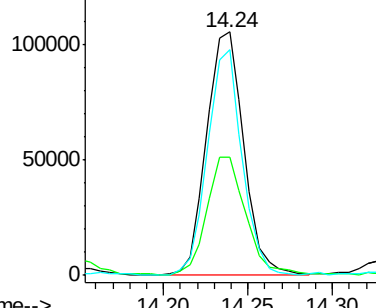
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Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 7.652 ng/ul

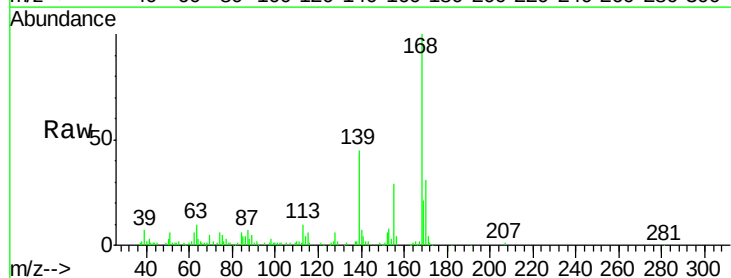
RT: 14.58 min Scan# 1971

Delta R.T. -0.00 min

Lab File: BM014483.D

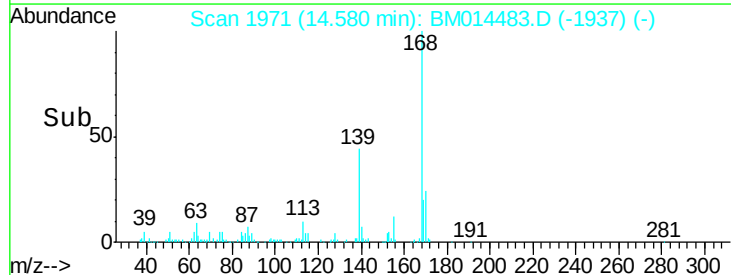
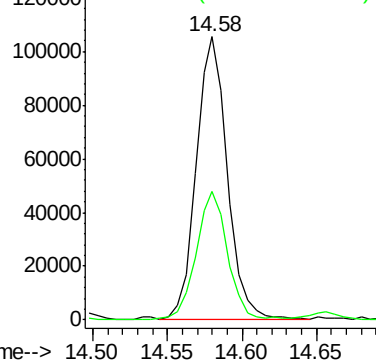
Acq: 05 Mar 2018 21:24

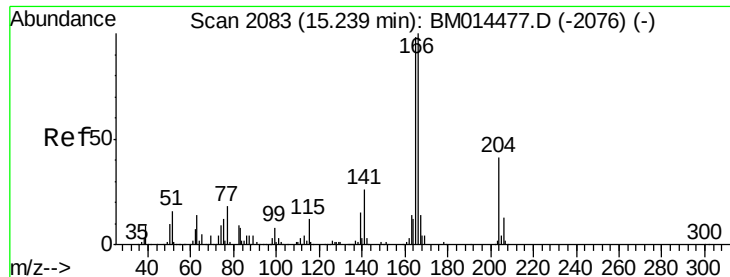
Tgt Ion:	168	Resp:	153016
Ion Ratio	Lower	Upper	
168	100		
139	45.3	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 14.192 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

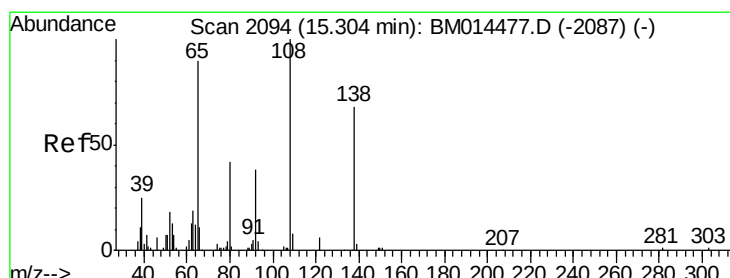
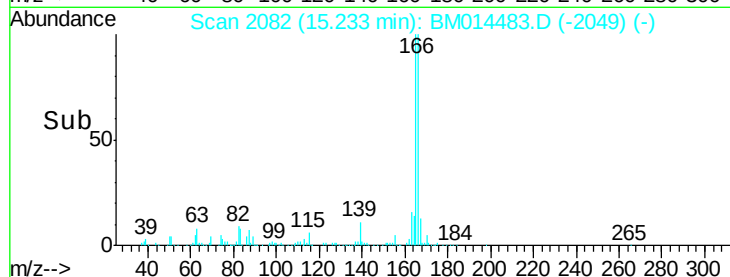
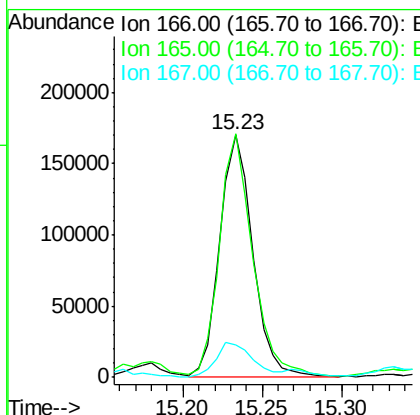
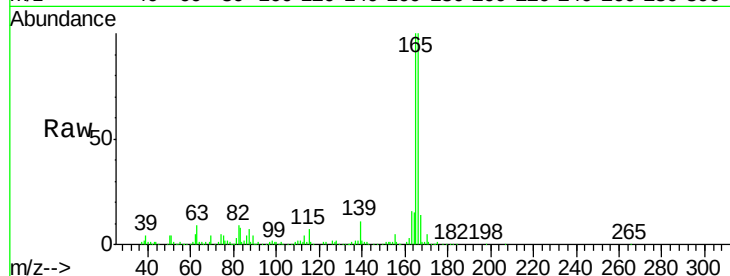
ClientSampleId :

BE5T4

Tot Ion:	166	Resp:	245000
Ion Ratio	Lower	Upper	
166	100		
165	100.3	77.9	116.9
167	13.6	10.6	16.0

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#60

4-Nitroaniline

Concen: 2.007 ng/ul

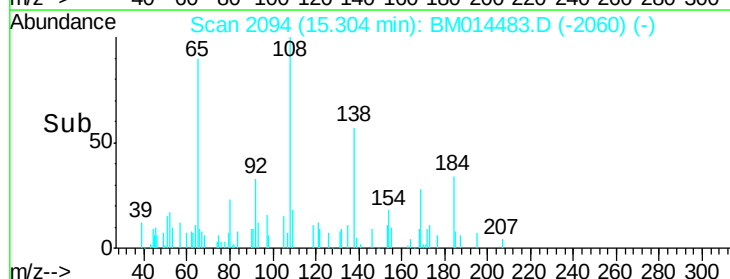
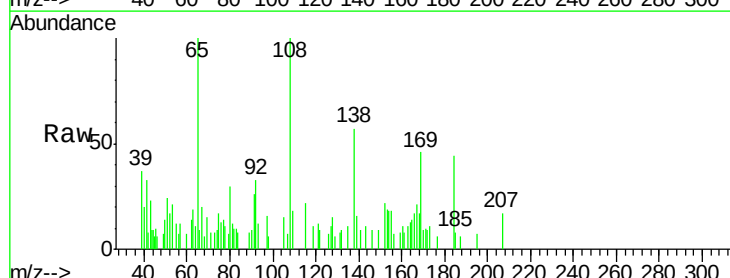
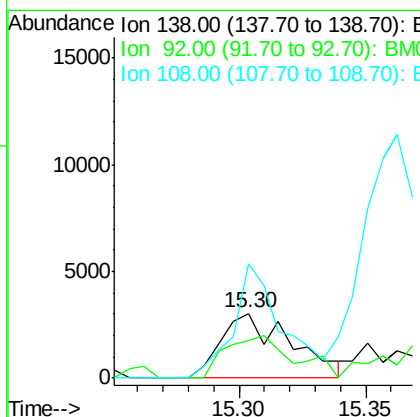
RT: 15.30 min Scan# 2094

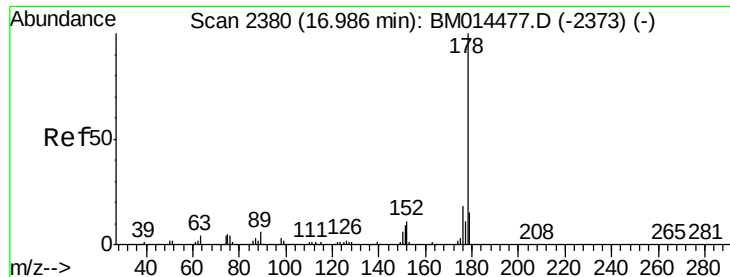
Delta R.T. -0.00 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Tgt Ion:	138	Resp:	5809
Ion Ratio	Lower	Upper	
138	100		
92	57.9	40.0	60.0
108	176.1	80.0	120.0#





#69

Phenanthrene

Concen: 193.312 ng/ul

RT: 16.99 min Scan# 2380

Delta R.T. -0.00 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

ClientSampleId :

BE5T4

Tot Ion:178 Resp: 4502640

Ion Ratio Lower Upper

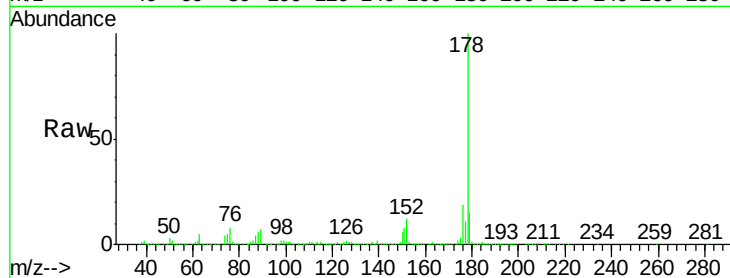
178 100

179 14.9 12.6 19.0

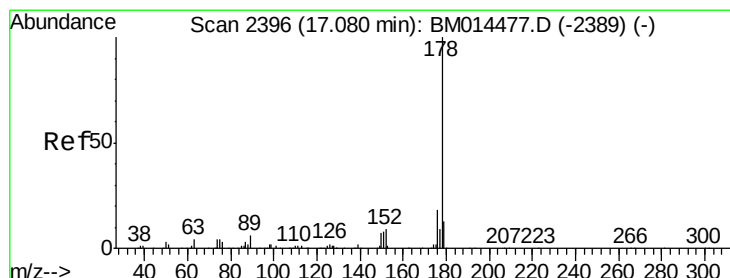
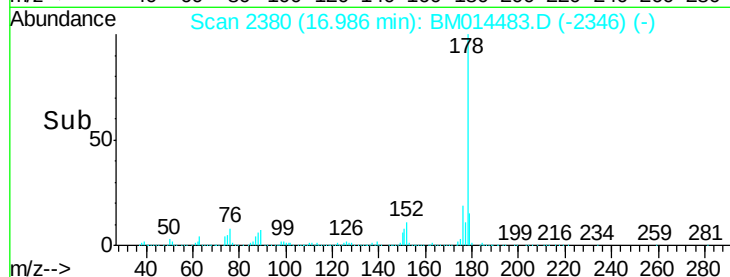
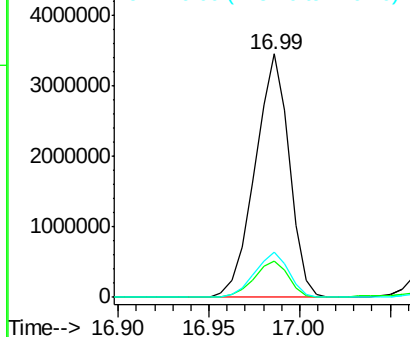
176 18.5 14.9 22.3

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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: 31.501 ng/ul

RT: 17.07 min Scan# 2395

Delta R.T. -0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Tgt Ion:178 Resp: 737902

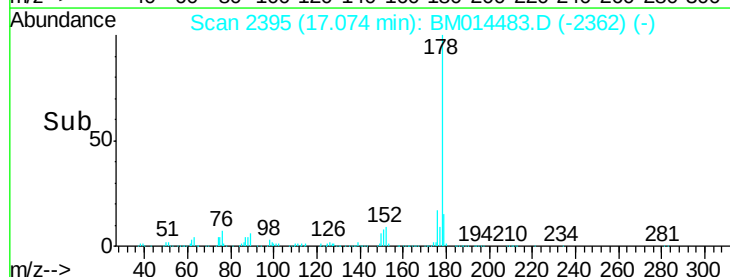
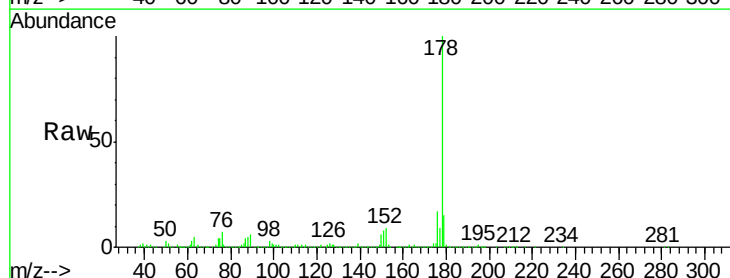
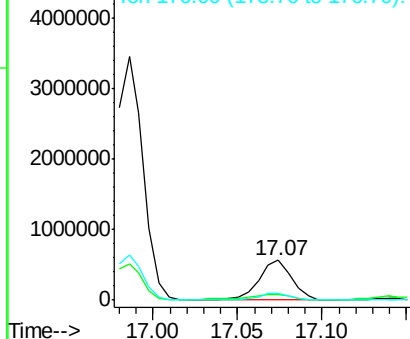
Ion Ratio Lower Upper

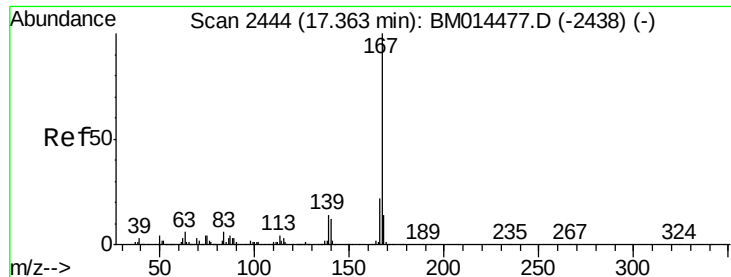
178 100

179 15.3 11.7 17.5

176 16.8 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: 13.611 ng/ul

RT: 17.36 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

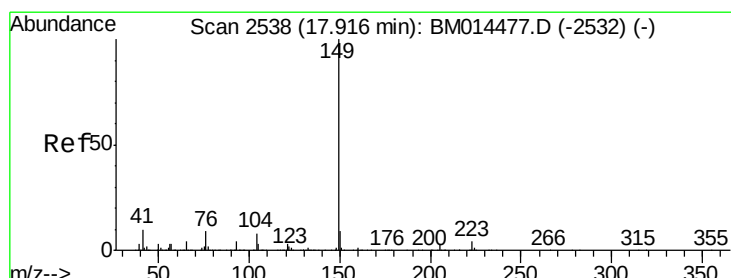
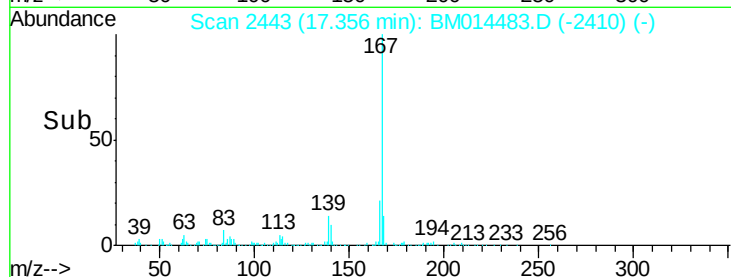
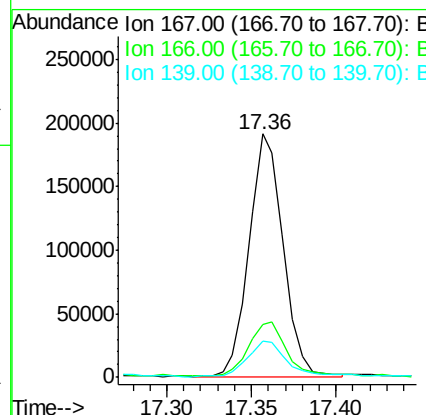
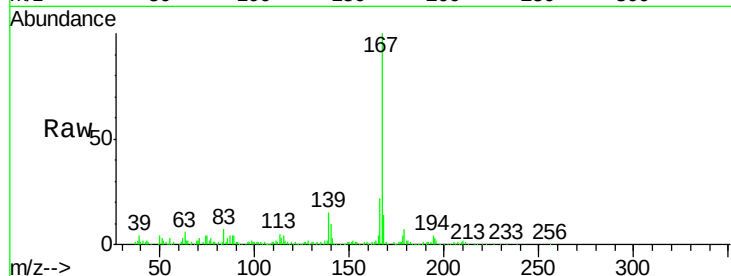
ClientSampled :

BE5T4

Tot Ion:	167	Resp:	268091
Ion Ratio	Lower	Upper	
167	100		
166	21.5	17.1	25.7
139	14.9	10.0	15.0

Manual Integrations
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#73

Di-n-butylphthalate

Concen: 3.564 ng/ul

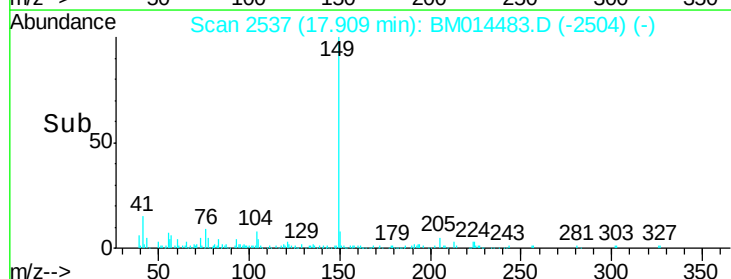
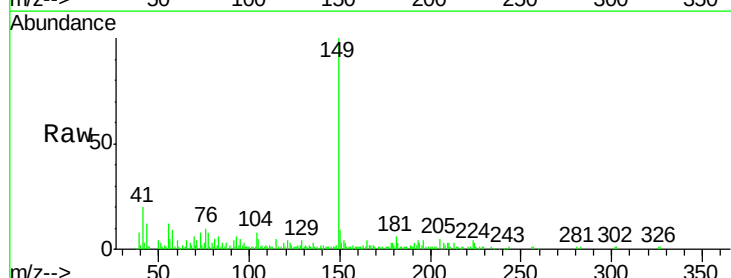
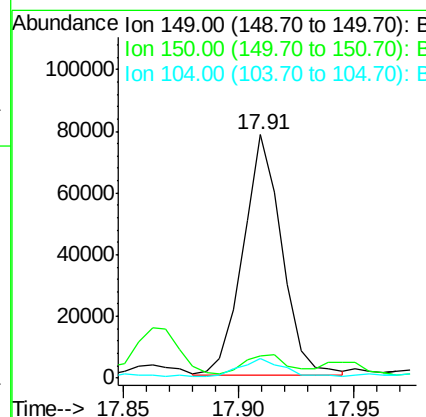
RT: 17.91 min Scan# 2537

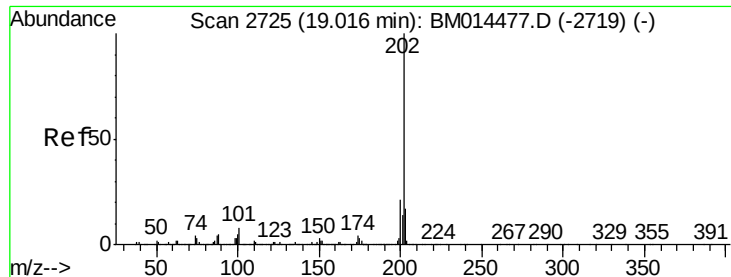
Delta R.T. -0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Tgt Ion:	149	Resp:	90575
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.1	10.7
104	8.0	5.6	8.4





#74

Fluoranthene

Concen: 189.042 ng/ul

RT: 19.02 min Scan# 2726

Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

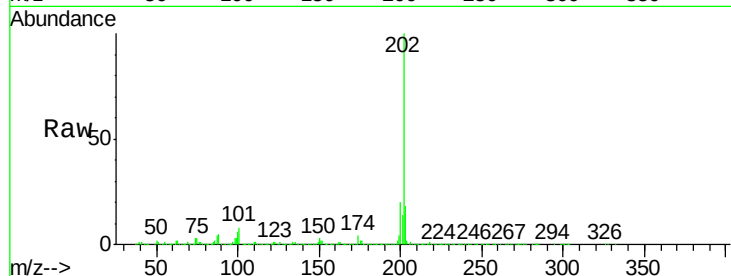
ClientSampled :

BE5T4

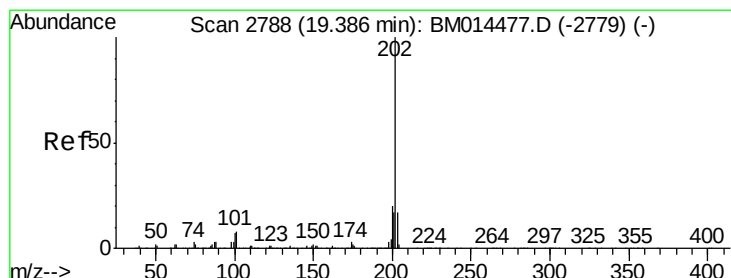
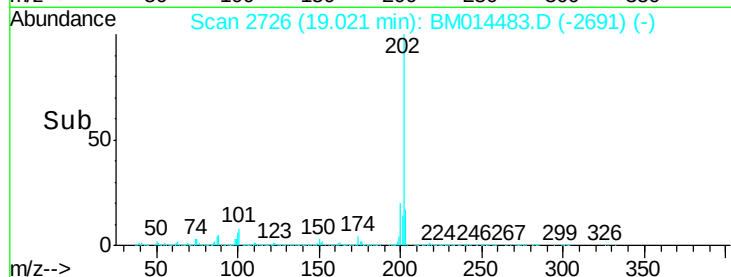
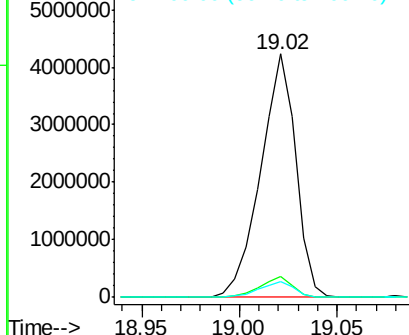
Tot Ion:	202	Resp:	5260627
Ion Ratio	Lower	Upper	
202	100		
101	8.4	4.6	7.0#
100	6.3	3.4	5.2#

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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



#77

Pyrene

Concen: 207.754 ng/ul

RT: 19.39 min Scan# 2789

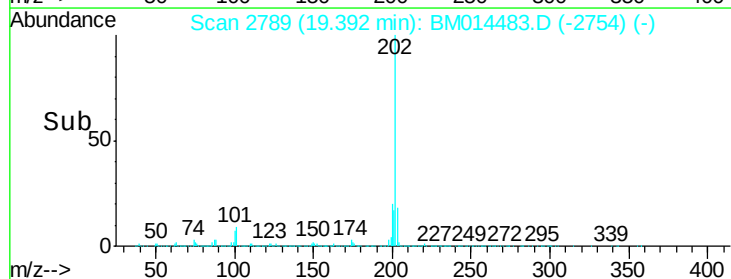
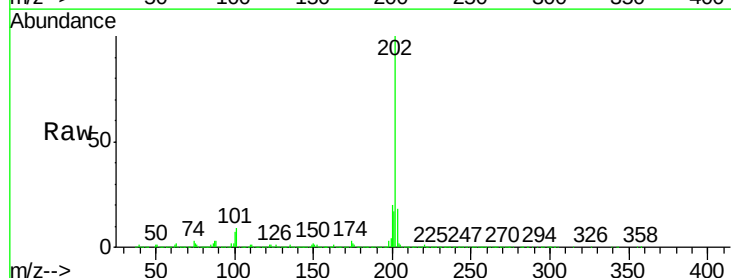
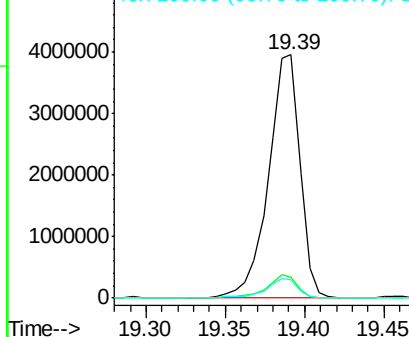
Delta R.T. 0.01 min

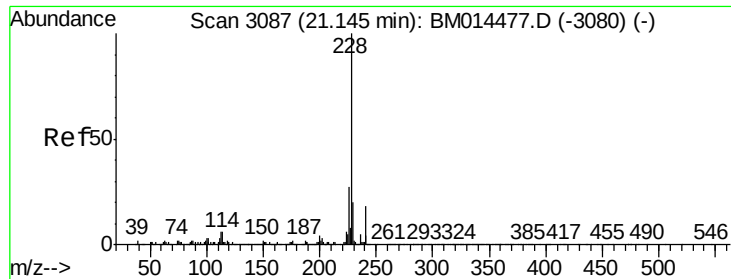
Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Tgt Ion:	202	Resp:	5467868
Ion Ratio	Lower	Upper	
202	100		
101	8.6	5.1	7.7#
100	7.4	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





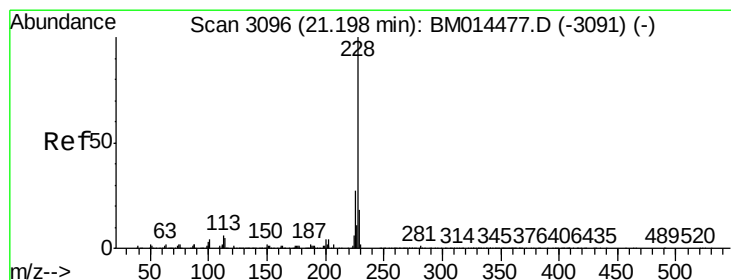
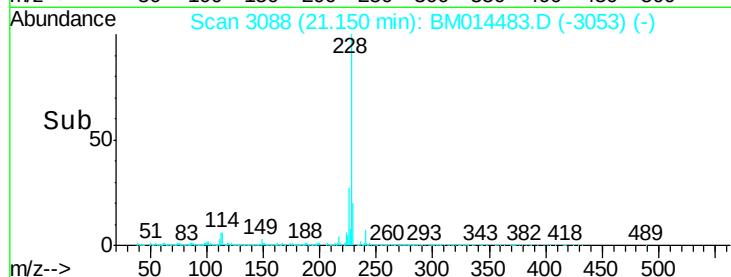
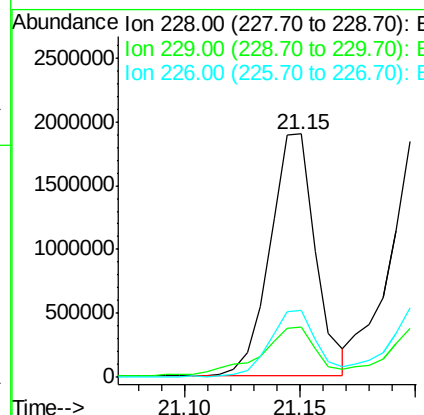
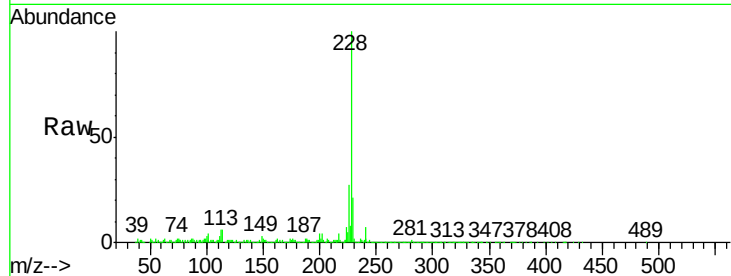
#80
Benzo(a)anthracene
Concen: 103.985 ng/ul
RT: 21.15 min Scan# 3088
Delta R.T. 0.01 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Instrument :
BNA_M
ClientSampled :
BE5T4

Tot Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.4	23.0
226	27.4	21.4	32.0

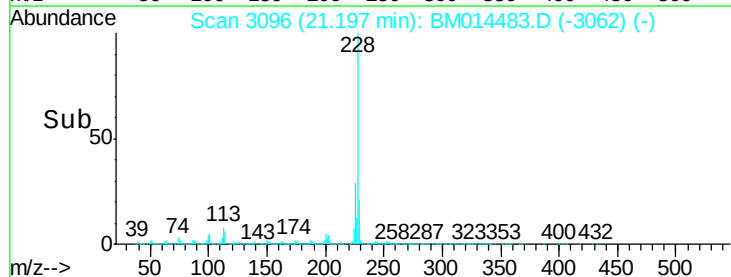
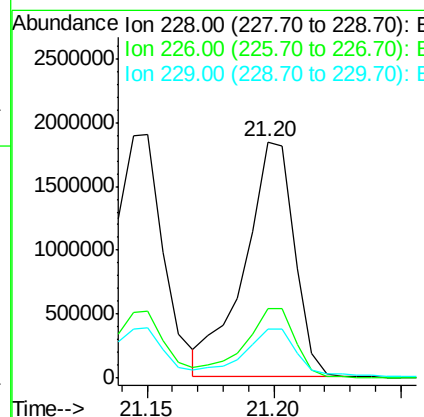
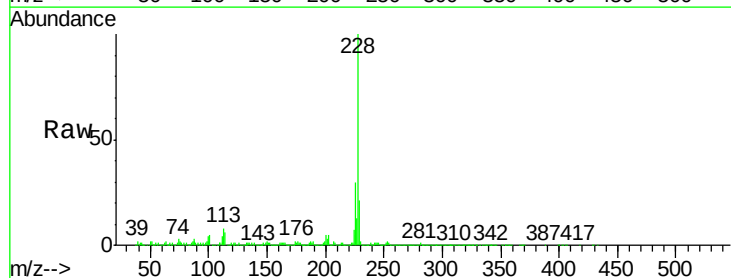
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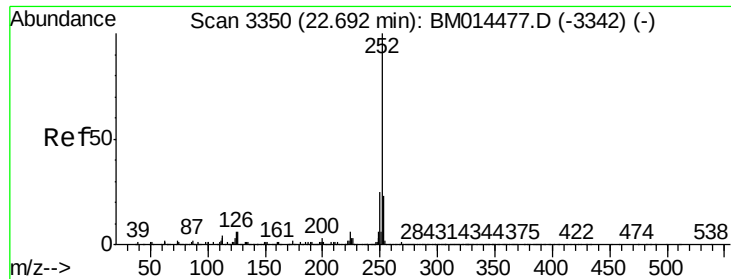
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#82
Chrysene
Concen: 109.152 ng/ul
RT: 21.20 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.4	35.2
229	20.9	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 117.521 ng/ul

RT: 22.70 min Scan# 3352

Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

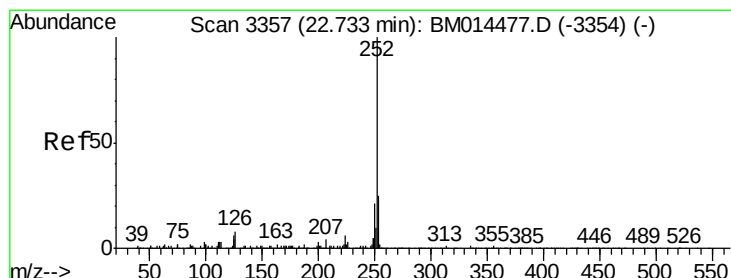
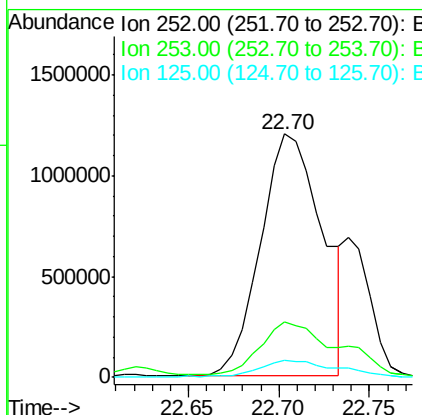
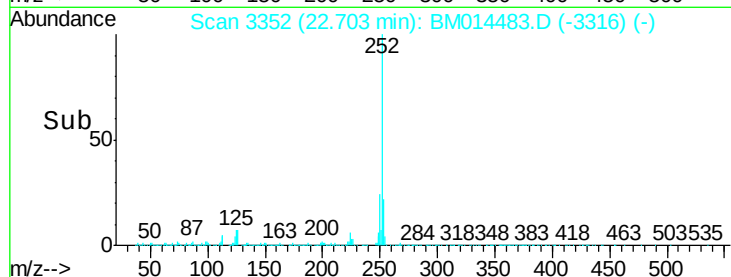
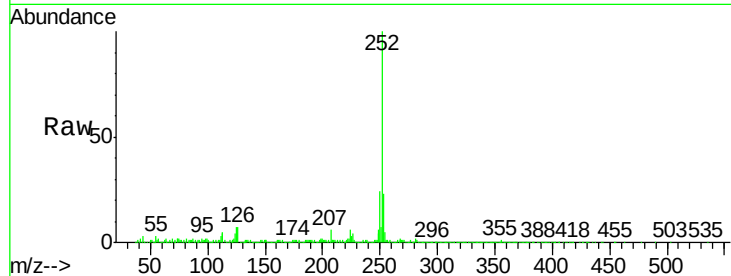
ClientSampleId :

BE5T4

Tot Ion:	252	Resp:	2847743
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.9	26.9
125	7.2	3.6	5.4#

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#86

Benzo(k)fluoranthene

Concen: 29.653 ng/ul m

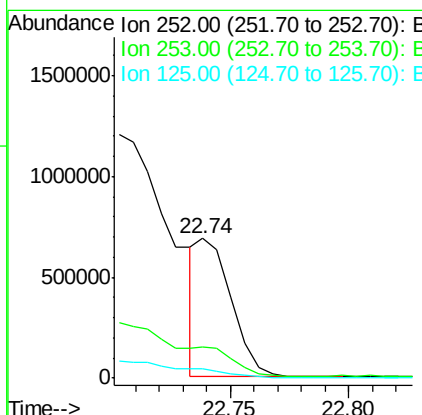
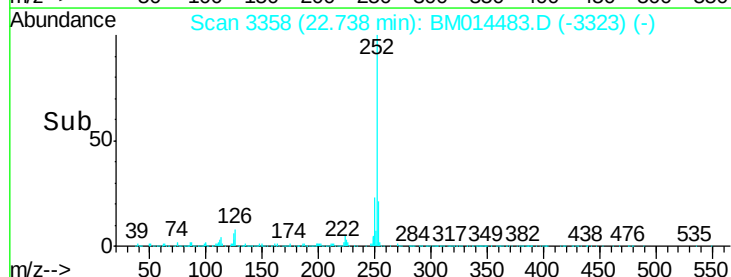
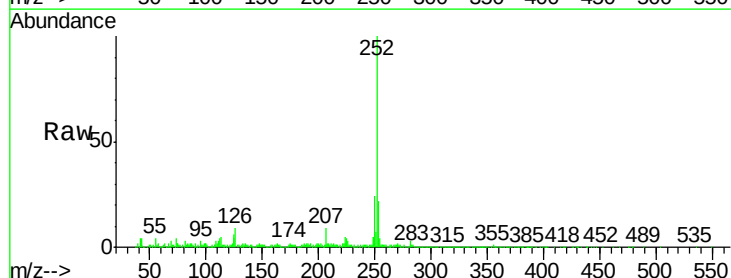
RT: 22.74 min Scan# 3358

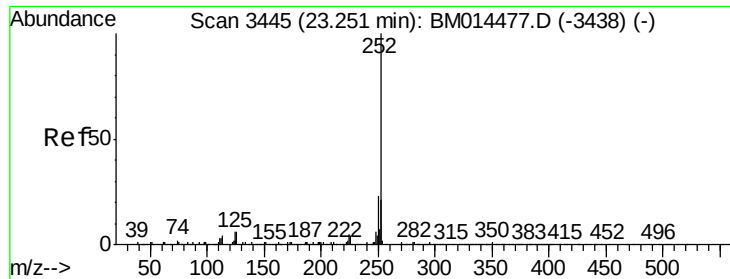
Delta R.T. 0.01 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Tgt Ion:	252	Resp:	683170
Ion Ratio	Lower	Upper	
252	100		
253	22.4	17.1	25.7
125	6.4	3.4	5.2#





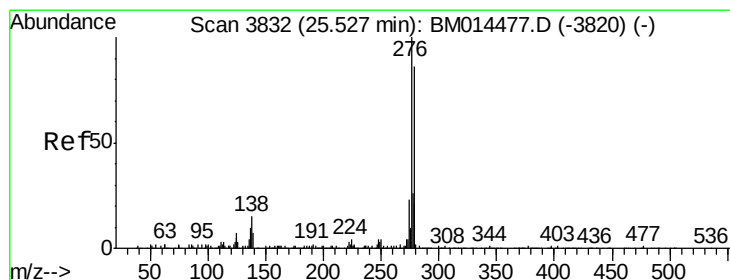
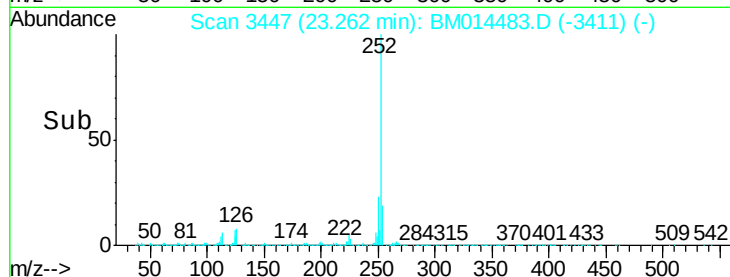
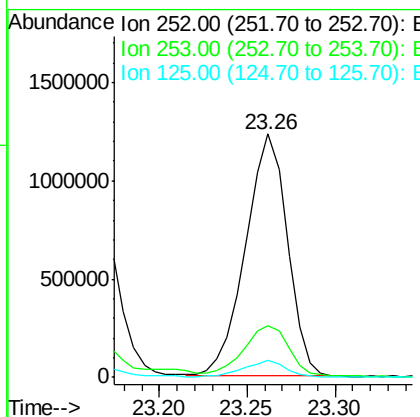
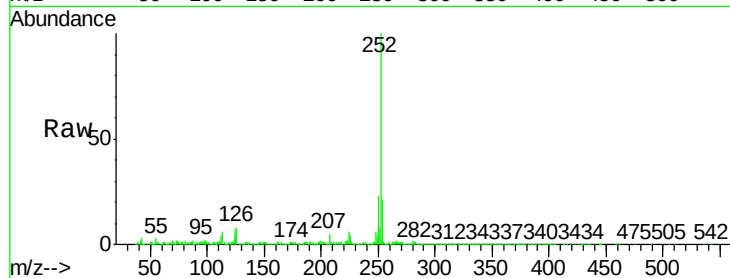
#88
Benzo(a)pyrene
Concen: 93.034 ng/ul m
RT: 23.26 min Scan# 3447
Delta R.T. 0.01 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Instrument :
BNA_M
ClientSampleId :
BE5T4

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.2
125	7.1	4.0	6.0

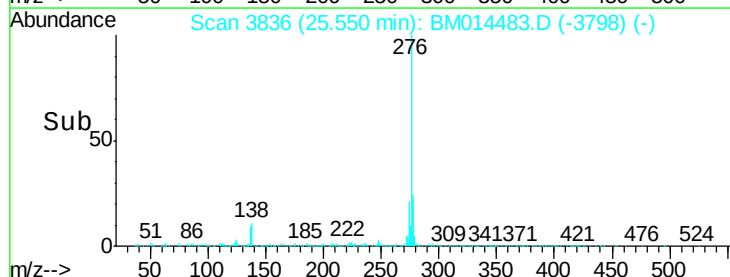
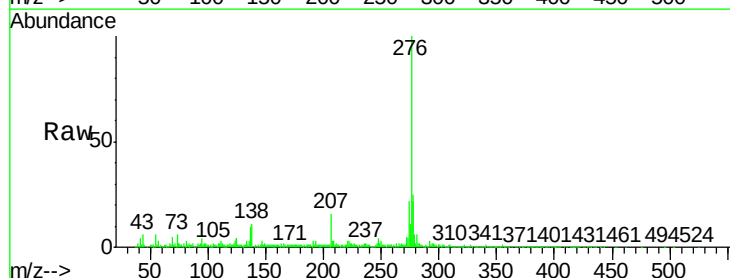
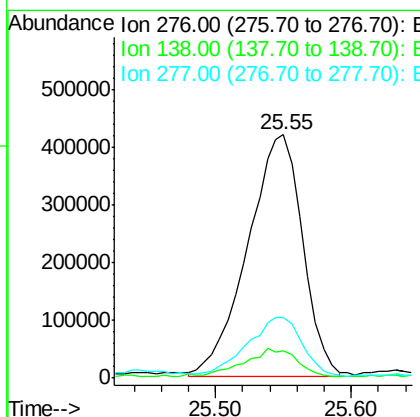
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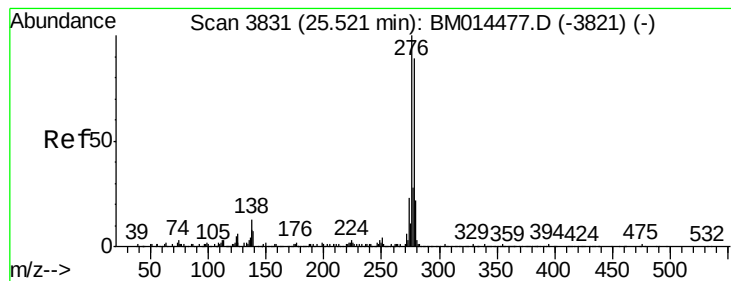
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#89
Indeno(1,2,3-cd)pyrene
Concen: 56.118 ng/ul m
RT: 25.55 min Scan# 3836
Delta R.T. 0.02 min
Lab File: BM014483.D
Acq: 05 Mar 2018 21:24

Tgt Ion	Ratio	Lower	Upper
276	100		
138	11.1	9.3	13.9
277	24.7	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 21.822 ng/ul m

RT: 25.54 min Scan# 3834

Delta R.T. 0.02 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Instrument :

BNA_M

ClientSampled :

BE5T4

Tot Ion:278 Resp: 381000

Ion Ratio Lower Upper

278 100

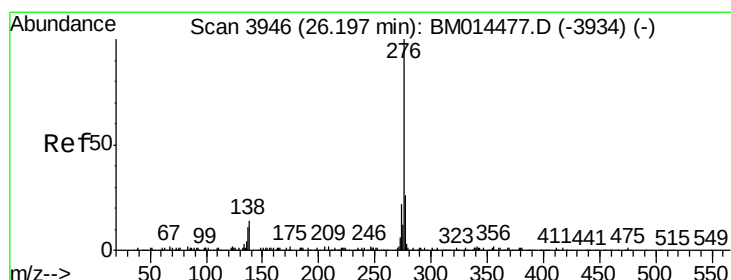
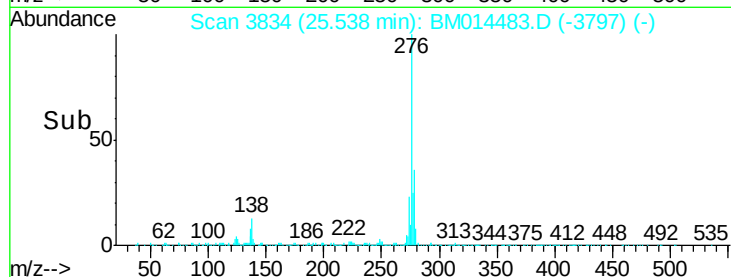
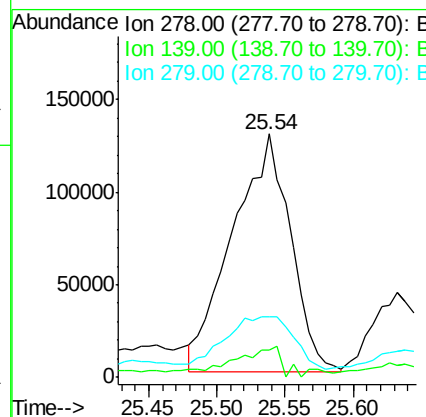
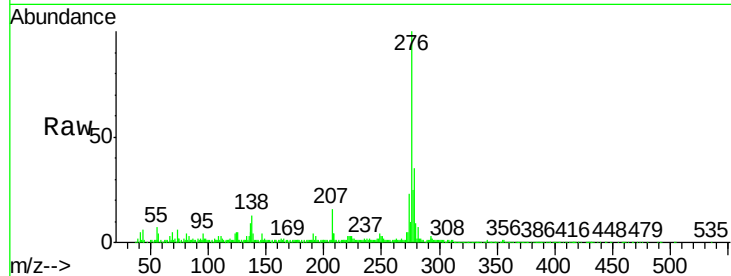
139 11.0 5.8 8.8#

279 25.0 18.6 27.8

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 58.558 ng/ul m

RT: 26.22 min Scan# 3950

Delta R.T. 0.02 min

Lab File: BM014483.D

Acq: 05 Mar 2018 21:24

Tgt Ion:276 Resp: 996754

Ion Ratio Lower Upper

276 100

138 12.6 8.5 12.7

277 25.0 18.6 28.0

