

Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
 Data File : BM014485.D
 Acq On : 05 Mar 2018 22:35
 Operator : SJ/JU
 Sample : J1678-09DL 5X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9DL

Manual Integrations
 APPROVED

Sohil
 3/6/2018 5:47:14 PM

Quant Time: Mar 06 03:05:46 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	101126	20.00	ng/ul	0.00
18) Naphthalene-d8	10.28	136	378228	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.17	164	213313	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.94	188	439675	20.00	ng/ul	0.00
75) Chrysene-d12	21.16	240	389467	20.00	ng/ul	0.00
83) Perylene-d12	23.34	264	377533	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.09	96	1902	0.81	ng/uL	0.00
5) Phenol-d5	6.75	99	40082	4.69	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	6.87	67	27901	5.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	37677m	5.75	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	25348	3.39	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	18409m	6.59	ng/ul	0.01
22) 2-Nitrophenol-d4	9.39	143	19760m	6.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.97	165	34667m	5.79	ng/ul	0.04
29) 4-Chloroaniline-d4	10.49	131	21482m	3.64	ng/ul	0.04
43) Dimethylphthalate-d6	13.60	166	114600	6.51	ng/ul	0.00
46) Acenaphthylene-d8	13.86	160	147071	6.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	7972m	3.28	ng/ul	0.06
57) Fluorene-d10	15.18	176	101768	6.45	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	3504m	1.33	ng/ul	0.01
70) Anthracene-d10	17.04	188	149965	7.07	ng/ul	0.00
76) Pyrene-d10	19.34	212	154550	7.69	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.20	264	127397	6.93	ng/ul	0.00

Target Compounds

					Ovalue	
47) Acenaphthylene	13.90	152	43612	2.124	ng/ul	96
49) Acenaphthene	14.24	153	29375	2.032	ng/ul	96
58) Fluorene	15.24	166	33226m	1.775	ng/ul	
69) Phenanthrene	16.98	178	710830	28.060	ng/ul	98
71) Anthracene	17.07	178	132501m	5.201	ng/ul	
72) Carbazole	17.36	167	50993	2.380	ng/ul	97
74) Fluoranthene	19.01	202	1139838	37.661	ng/ul#	96
77) Pyrene	19.38	202	1024021	39.564	ng/ul#	96
80) Benzo(a)anthracene	21.14	228	492292	20.253	ng/ul	98
82) Chrysene	21.19	228	420155	18.529	ng/ul	98
85) Benzo(b)fluoranthene	22.69	252	536425	21.220	ng/ul#	95
86) Benzo(k)fluoranthene	22.73	252	135725	5.647	ng/ul#	98
88) Benzo(a)pyrene	23.24	252	381594	16.893	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.52	276	250235	11.416	ng/ul	97
90) Dibenzo(a,h)anthracene	25.50	278	81152	4.455	ng/ul#	85
91) Benzo(g,h,i)perylene	26.19	276	221579	12.478	ng/ul#	96

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

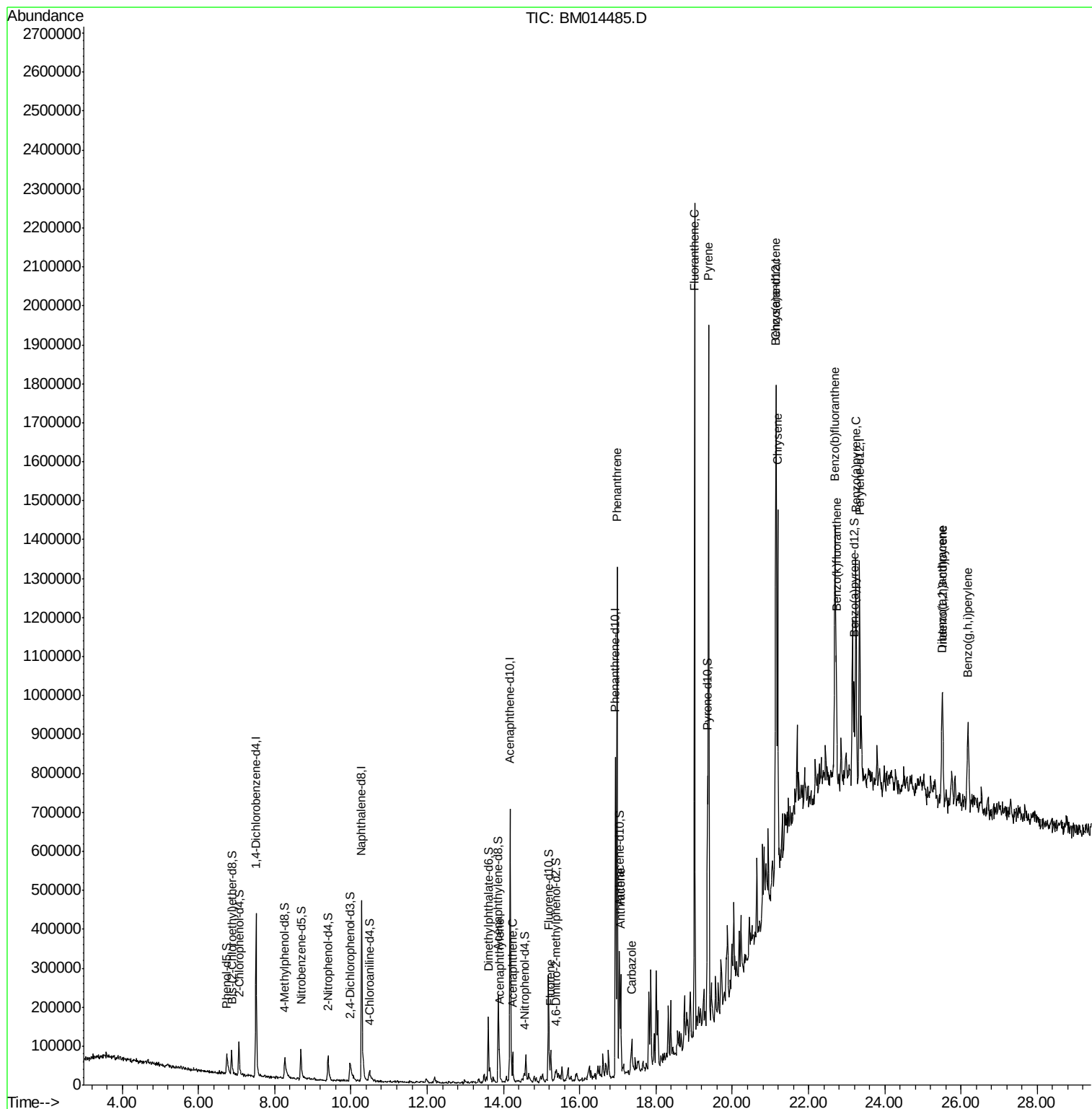
Data Path : Z:\HPCHEM1\BNA M\DATA\BM030518\
Data File : BM014485.D
Acq On : 05 Mar 2018 22:35
Operator : SJ/JU
Sample : J1678-09DL 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

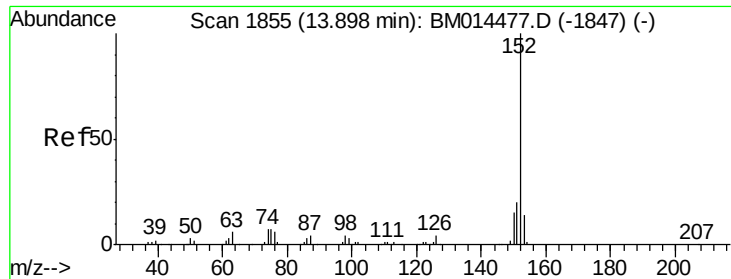
Instrument :
BNA_M
ClientSampleId :
BE5T9DL

Quant Time: Mar 06 03:05:46 2018
Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM021418.M
Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

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#47

Acenaphthylene

Concen: 2.124 ng/ul

RT: 13.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

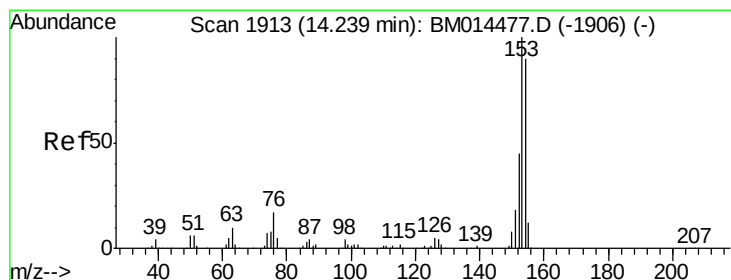
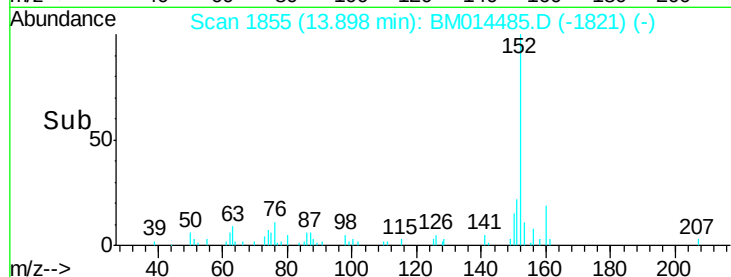
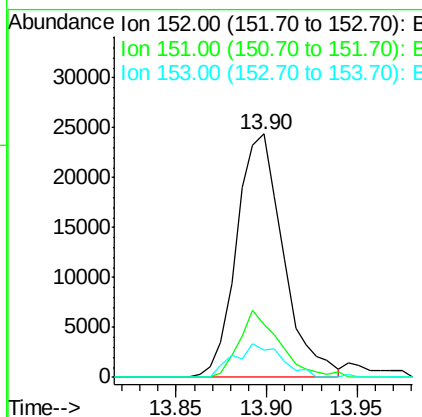
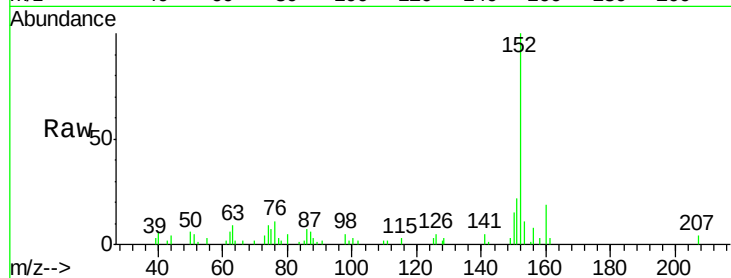
ClientSampleId :

BE5T9DL

Tot Ion:	152	Resp:	43612
Ion Ratio	Lower	Upper	
152	100		
151	21.8	16.3	24.5
153	11.0	10.2	15.4

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#49

Acenaphthene

Concen: 2.032 ng/ul

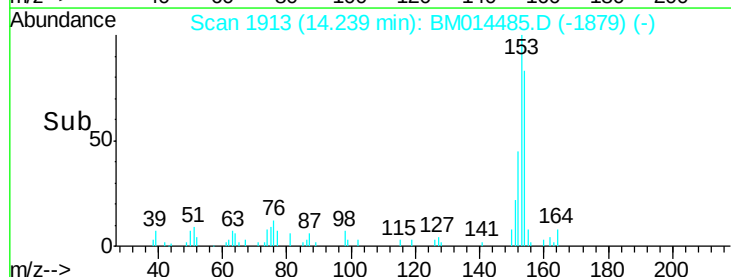
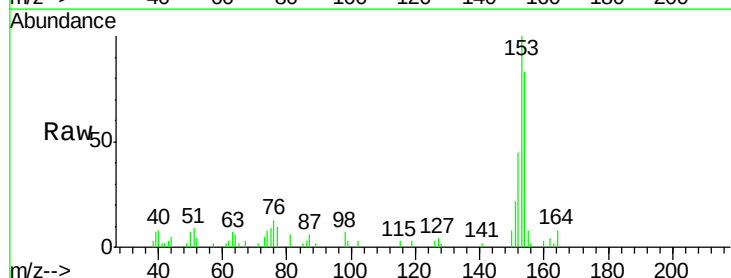
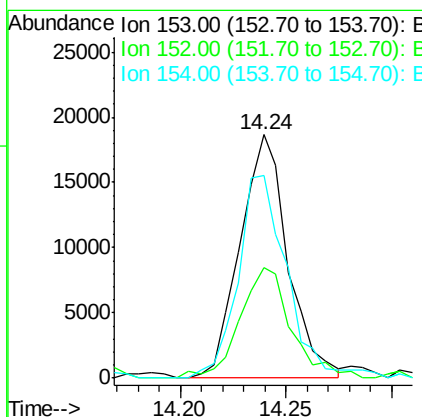
RT: 14.24 min Scan# 1913

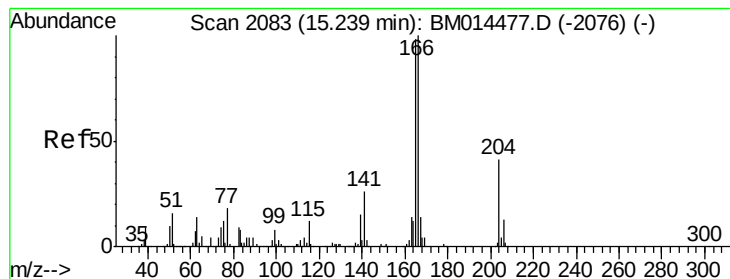
Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Tgt Ion:	153	Resp:	29375
Ion Ratio	Lower	Upper	
153	100		
152	45.3	37.6	56.4
154	83.0	70.4	105.6





#58

Fluorene

Concen: 1.775 ng/ul m

RT: 15.24 min Scan# 2083

Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

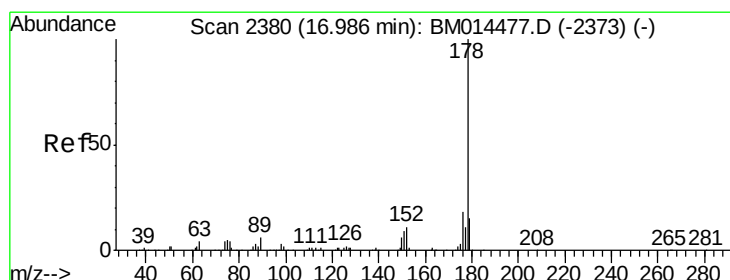
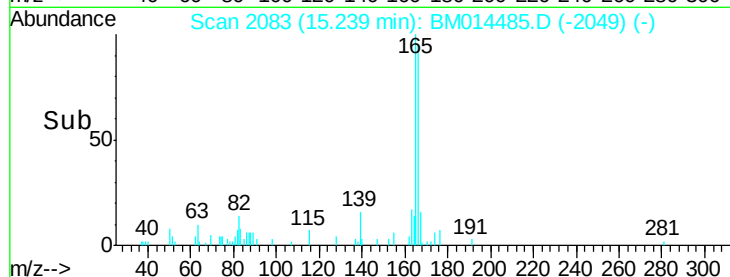
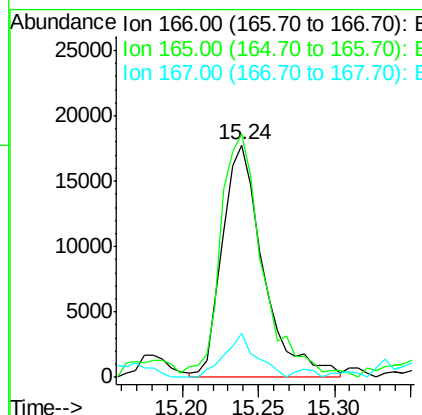
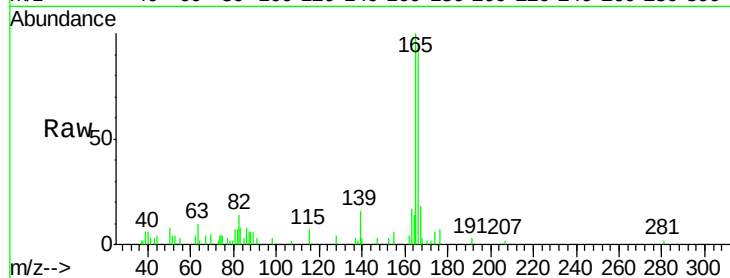
ClientSampled :

BE5T9DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	104.8		77.9	116.9	
167	18.8		10.6	16.0	

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#69

Phenanthrene

Concen: 28.060 ng/ul

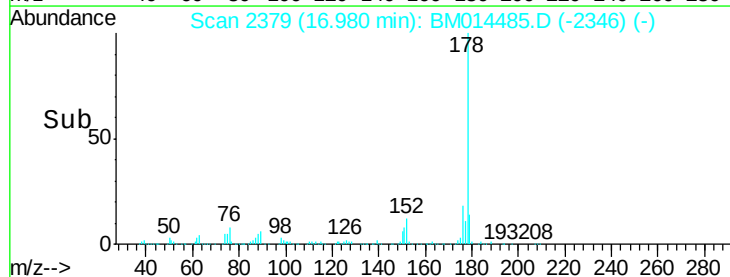
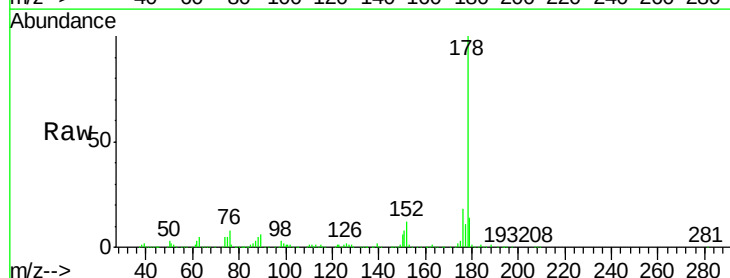
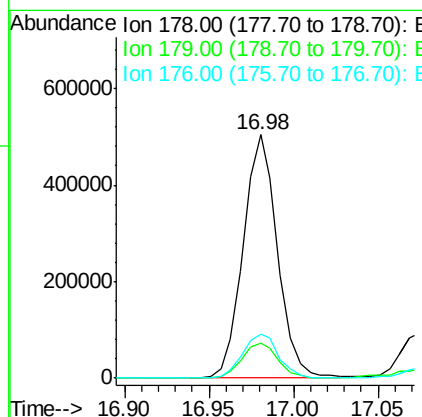
RT: 16.98 min Scan# 2379

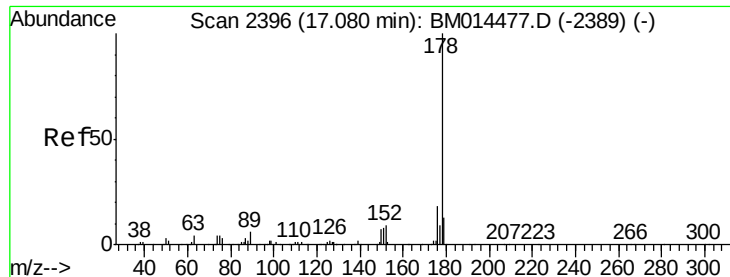
Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100				
179	14.2		12.6	19.0	
176	18.1		14.9	22.3	





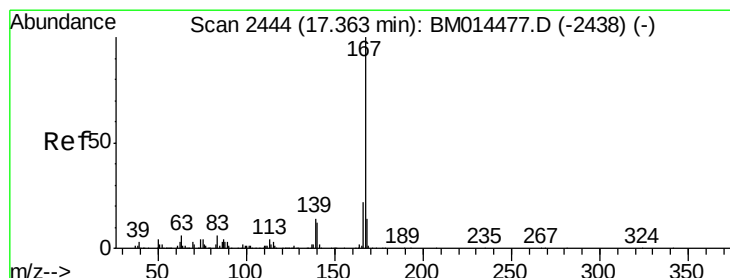
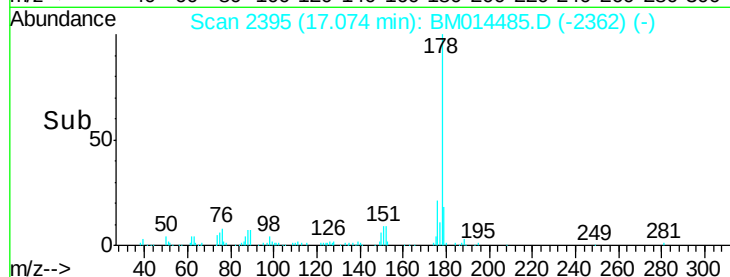
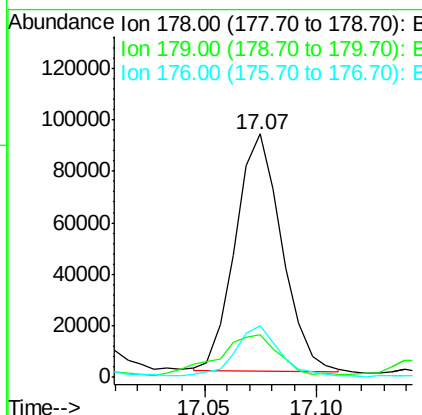
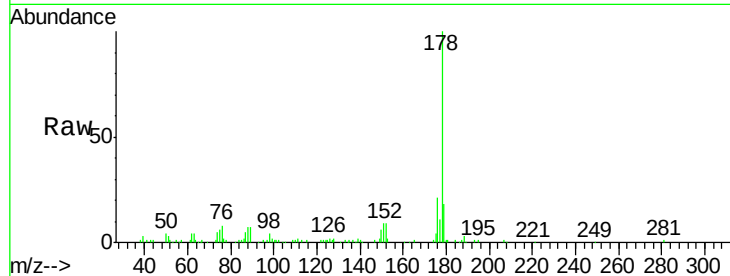
#71
 Anthracene
 Concen: 5.201 ng/ul m
 RT: 17.07 min Scan# 2395
 Delta R.T. -0.01 min
 Lab File: BM014485.D
 Acq: 05 Mar 2018 22:35

Instrument :
 BNA_M
 ClientSampleId :
 BE5T9DL

Tot Ion	Ratio	Lower	Upper
178	100		
179	17.6	11.7	17.5#
176	21.3	14.6	21.8

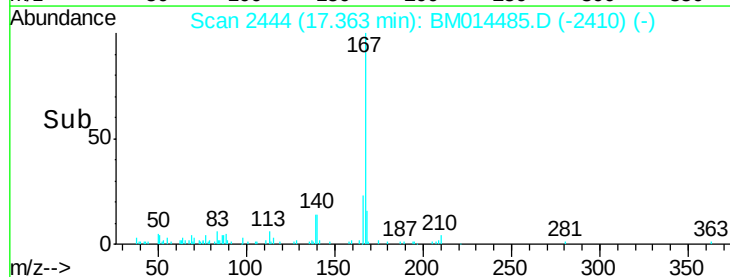
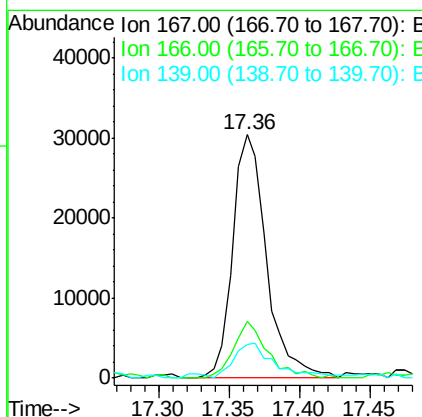
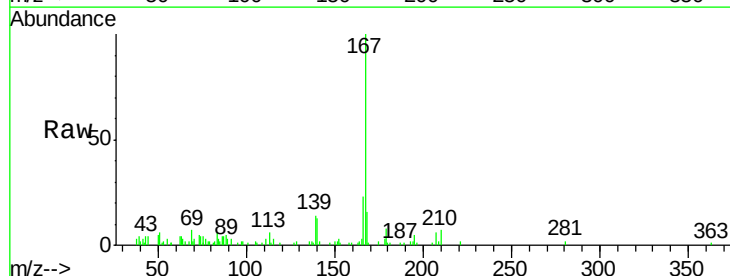
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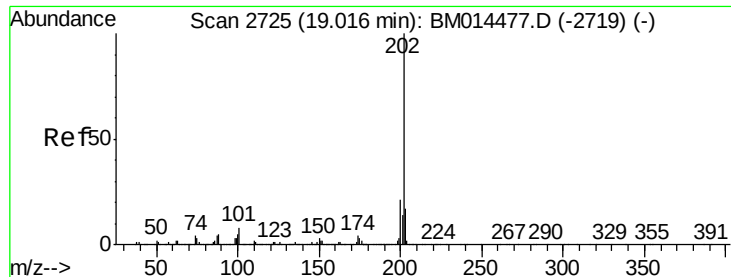
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#72
 Carbazole
 Concen: 2.380 ng/ul
 RT: 17.36 min Scan# 2444
 Delta R.T. -0.00 min
 Lab File: BM014485.D
 Acq: 05 Mar 2018 22:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	23.1	17.1	25.7
139	13.6	10.0	15.0





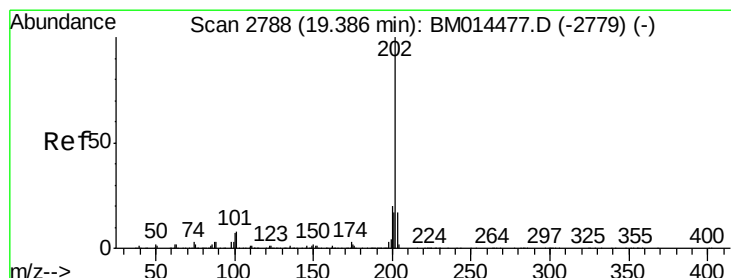
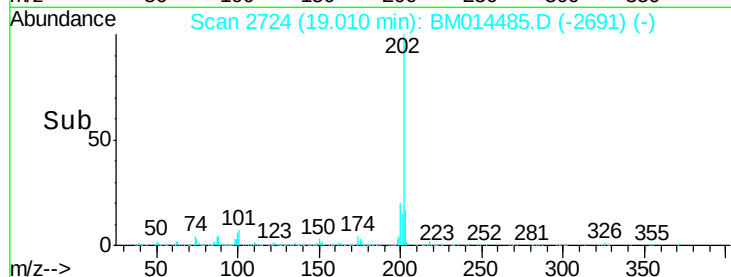
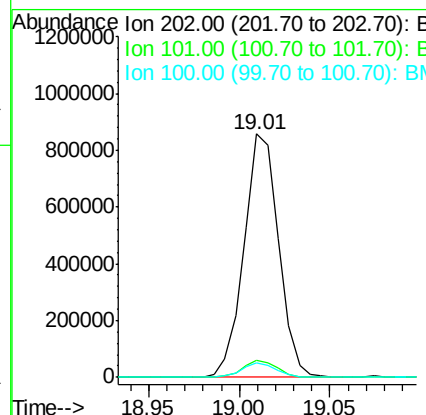
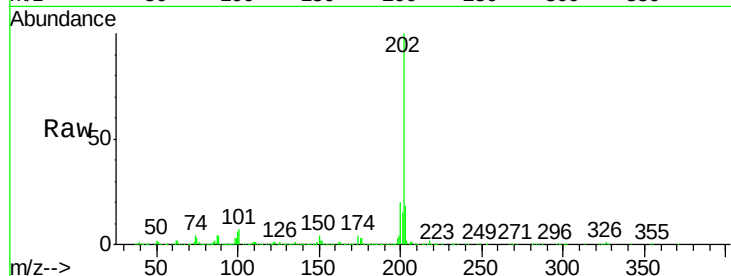
#74
 Fluoranthene
 Concen: 37.661 ng/ul
 RT: 19.01 min Scan# 2724
 Delta R.T. -0.01 min
 Lab File: BM014485.D
 Acq: 05 Mar 2018 22:35

Instrument :
 BNA_M
 ClientSampleID :
 BE5T9DL

Tot Ion	Ratio	Lower	Upper
202	100		
101	6.9	4.6	7.0
100	6.1	3.4	5.2

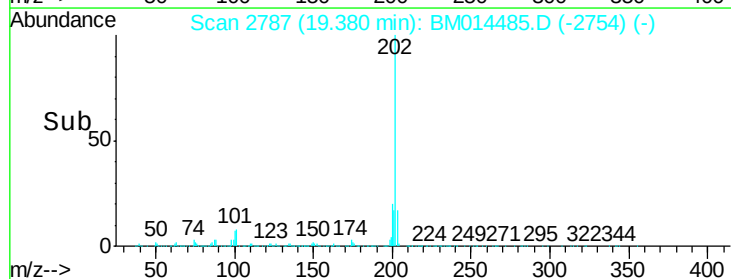
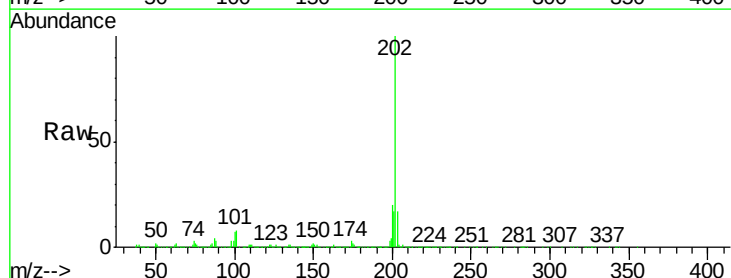
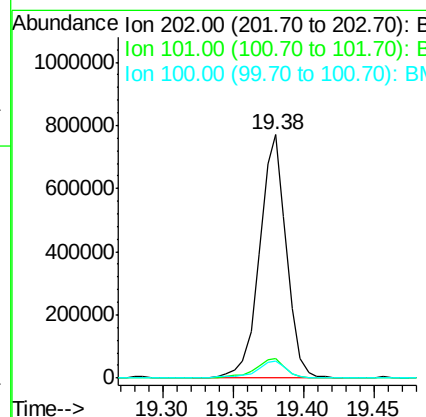
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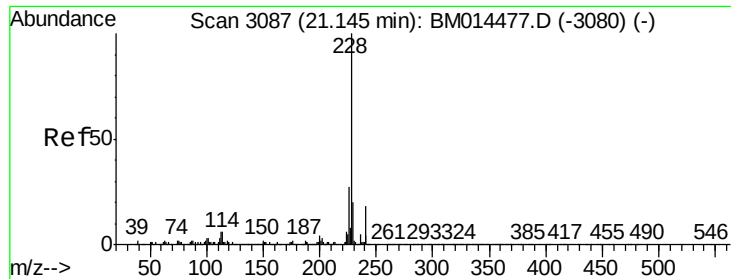
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#77
 Pyrene
 Concen: 39.564 ng/ul
 RT: 19.38 min Scan# 2787
 Delta R.T. -0.01 min
 Lab File: BM014485.D
 Acq: 05 Mar 2018 22:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.3	5.1	7.7
100	7.0	4.9	7.3





#80

Benzo(a)anthracene

Concen: 20.253 ng/ul

RT: 21.14 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

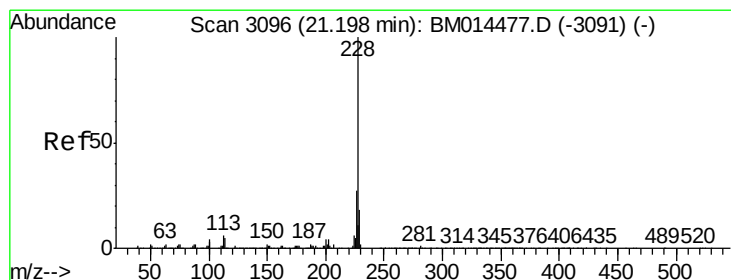
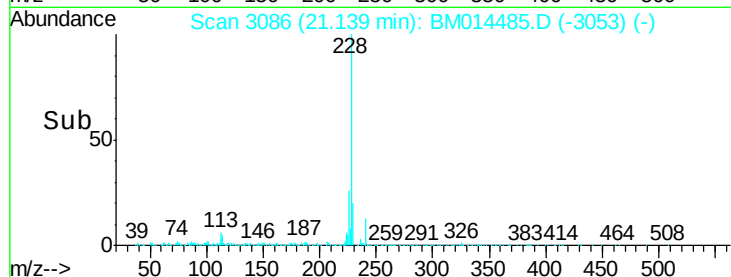
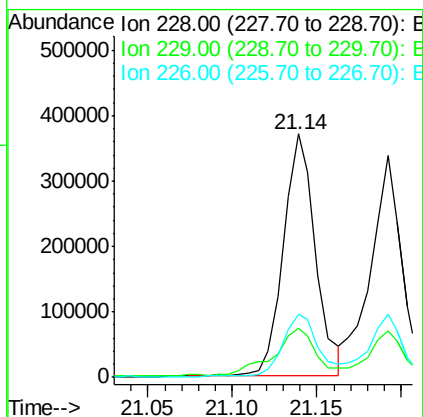
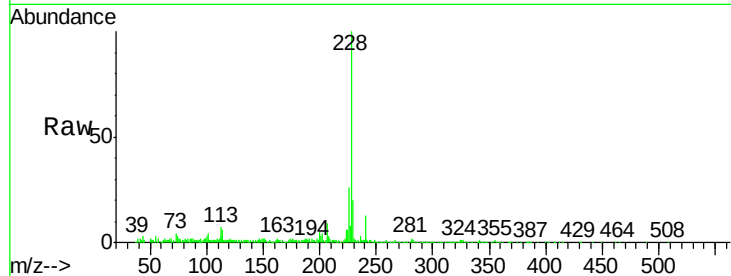
ClientSampled :

BE5T9DL

Tot Ion:228	Resp:	492292
Ion Ratio	Lower	Upper
228 100		
229 20.4	15.4	23.0
226 26.2	21.4	32.0

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#82

Chrysene

Concen: 18.529 ng/ul

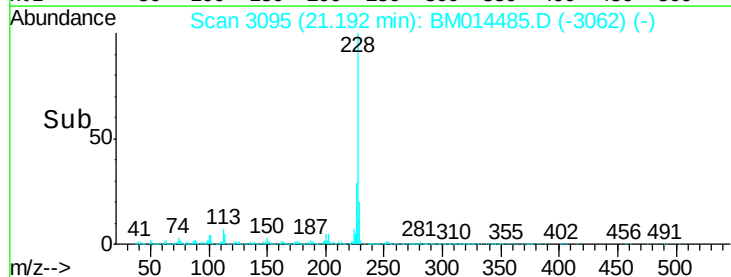
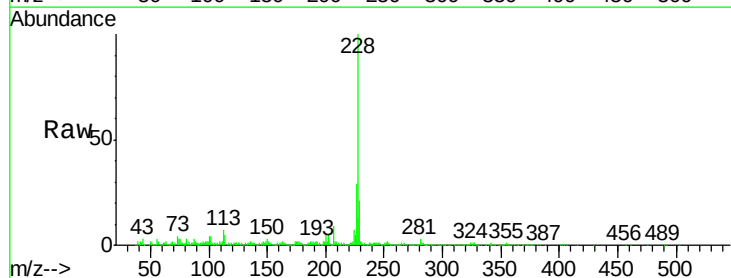
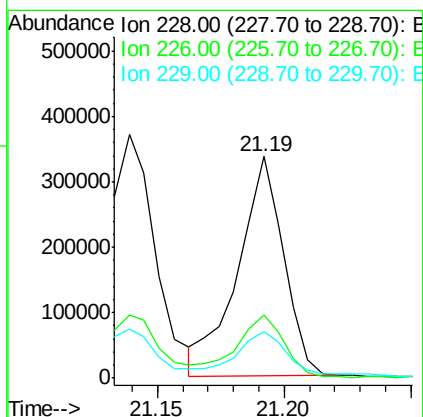
RT: 21.19 min Scan# 3095

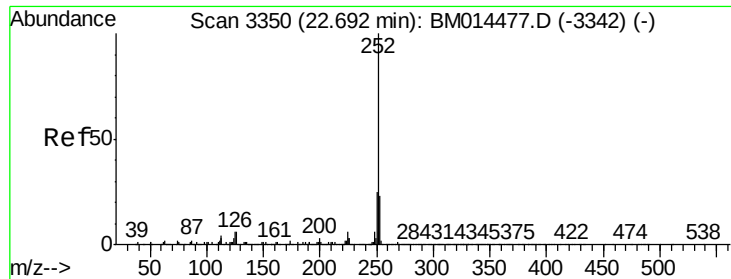
Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Tgt Ion:228	Resp:	420155
Ion Ratio	Lower	Upper
228 100		
226 28.7	23.4	35.2
229 20.7	15.5	23.3





#85

Benzo(b)fluoranthene

Concen: 21.220 ng/ul

RT: 22.69 min Scan# 3350

Delta R.T. -0.00 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

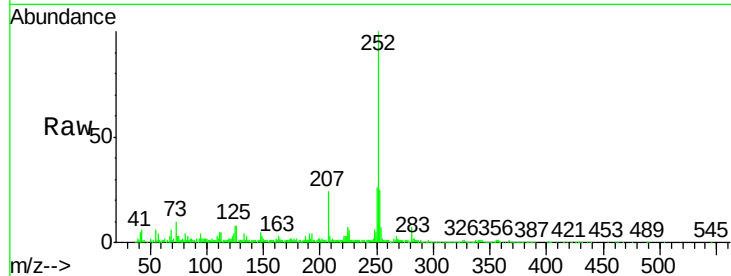
ClientSampleId :

BE5T9DL

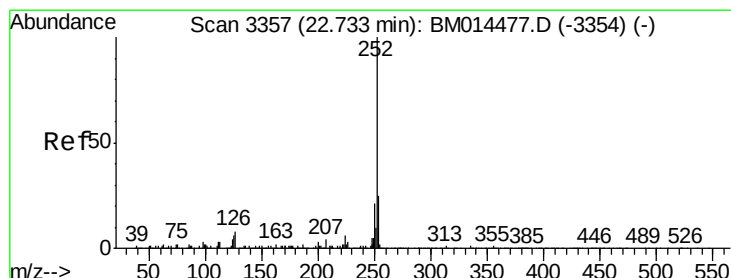
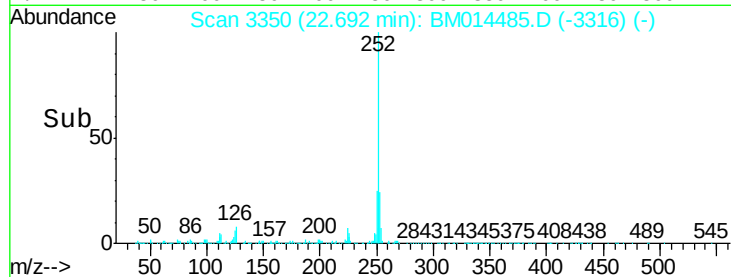
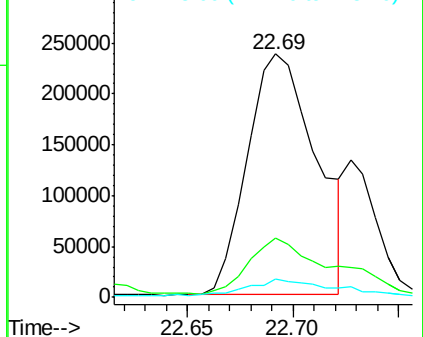
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	7.6	3.6	5.4#

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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



#86

Benzo(k)fluoranthene

Concen: 5.647 ng/ul

RT: 22.73 min Scan# 3356

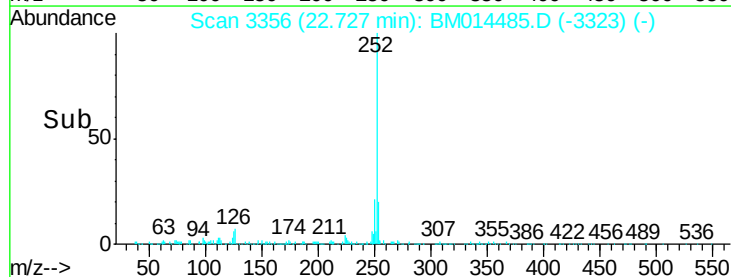
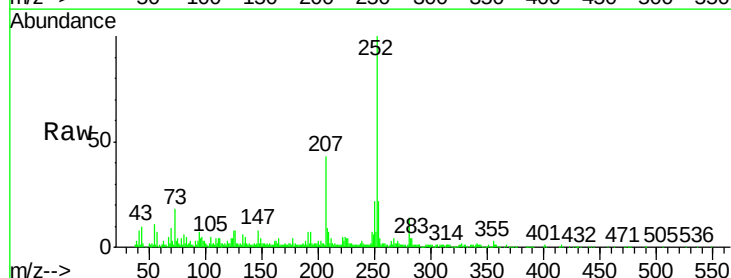
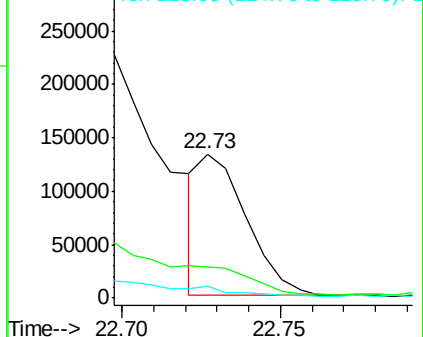
Delta R.T. -0.01 min

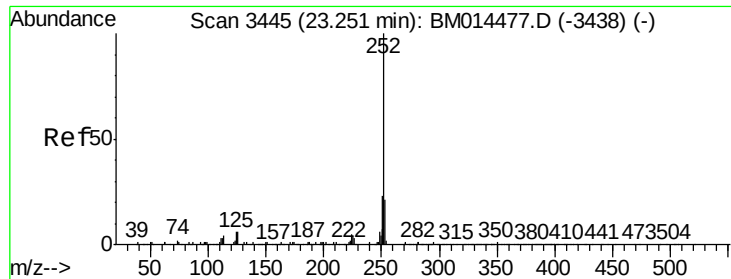
Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.1	25.7
125	8.1	3.4	5.2#

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





#88

Benzo(a)pyrene

Concen: 16.893 ng/ul

RT: 23.24 min Scan# 3444

Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Instrument :

BNA_M

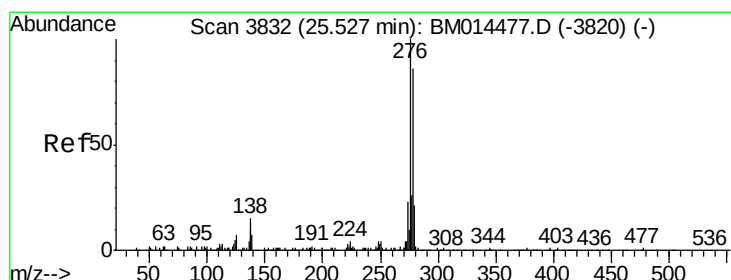
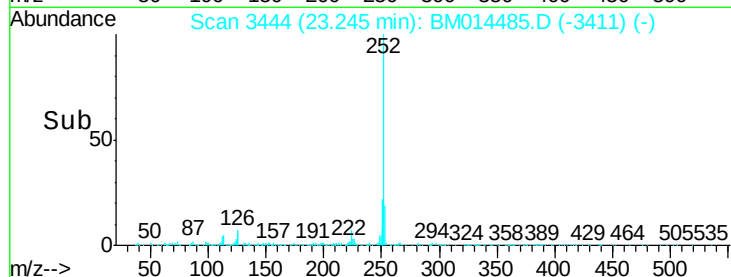
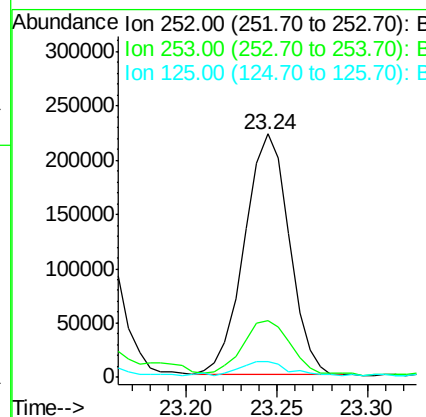
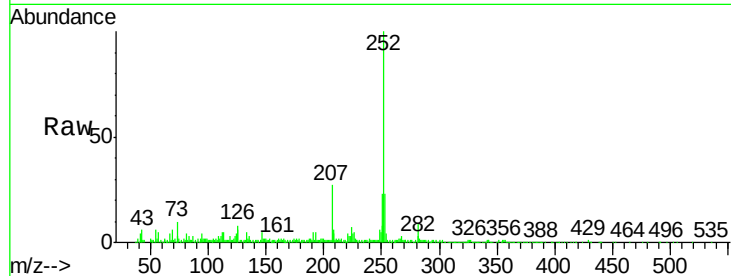
ClientSampleID :

BE5T9DL

Tot Ion:	252	Resp:	381594
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.2	27.2
125	6.5	4.0	6.0#

Manual Integrations
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3/6/2018 5:47:14 PM



#89

Indeno(1,2,3-cd)pyrene

Concen: 11.416 ng/ul

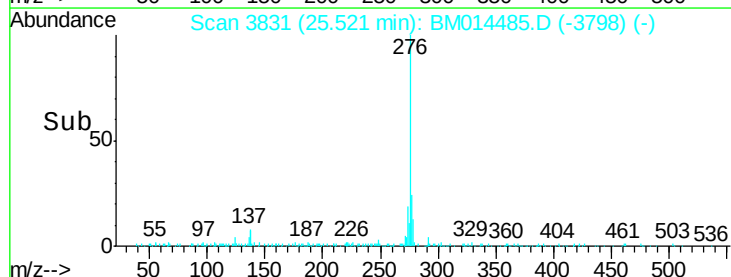
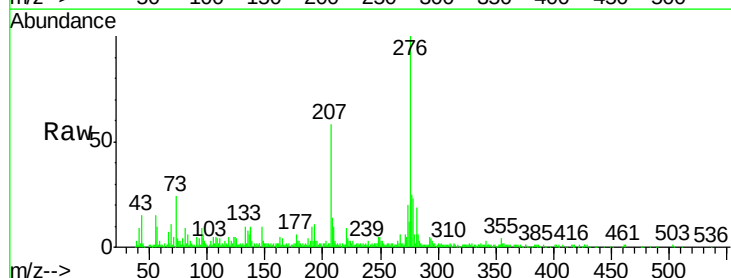
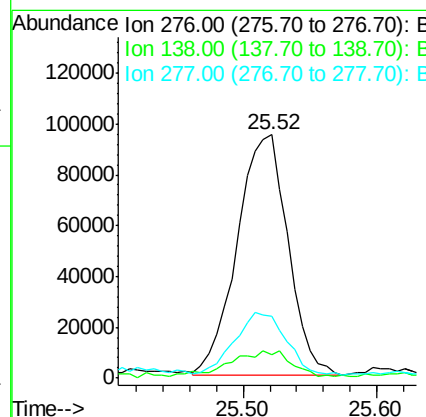
RT: 25.52 min Scan# 3831

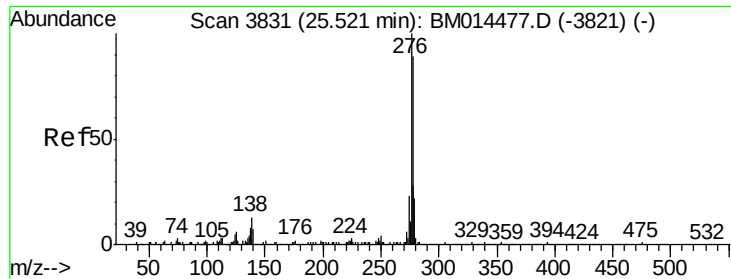
Delta R.T. -0.01 min

Lab File: BM014485.D

Acq: 05 Mar 2018 22:35

Tgt Ion:	276	Resp:	250235
Ion Ratio	Lower	Upper	
276	100		
138	9.4	9.3	13.9
277	25.5	19.9	29.9





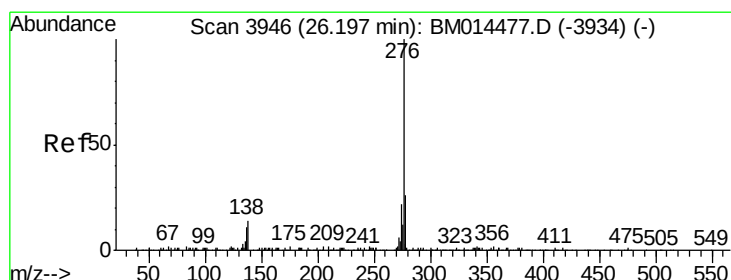
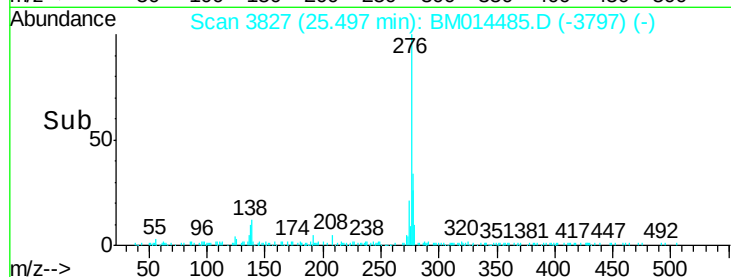
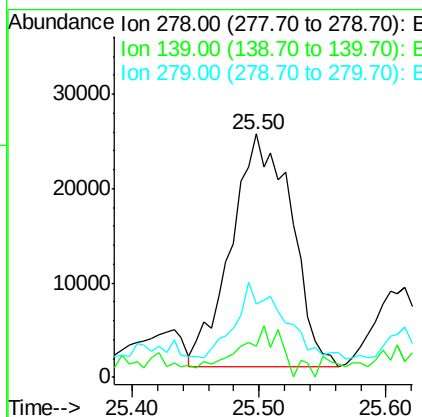
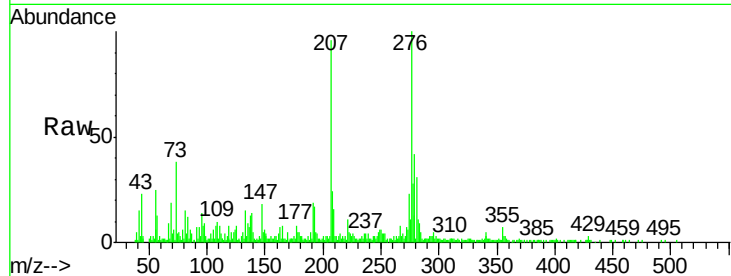
#90
Dibenzo(a,h)anthracene
Concen: 4.455 ng/ul
RT: 25.50 min Scan# 3827
Delta R.T. -0.02 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

Instrument :
BNA_M
ClientSampleId :
BE5T9DL

Tot Ion	Ratio	Lower	Upper
278	100		
139	12.9	5.8	8.8#
279	30.1	18.6	27.8#

Manual Integrations
APPROVED

Sohil
3/6/2018 5:47:14 PM



#91
Benzo(g,h,i)perylene
Concen: 12.478 ng/ul
RT: 26.19 min Scan# 3944
Delta R.T. -0.01 min
Lab File: BM014485.D
Acq: 05 Mar 2018 22:35

Tgt Ion	Ratio	Lower	Upper
276	100		
138	13.2	8.5	12.7#
277	24.8	18.6	28.0

