

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014785.D
 Acq On : 23 Apr 2018 20:38
 Operator : SJ/JU
 Sample : J2431-05
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 02:16:07 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	395985	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1632404	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	843290	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1708902	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1601739	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1640267	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	66227	7.30	ng/uL	0.00
5) Phenol-d5	7.65	99	274025	8.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	795918	40.54	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	813316	31.76	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	516344	21.15	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	478355	40.53	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	513189	43.66	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	845003	35.39	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	97647	4.14	ng/ul	-0.02
43) Dimethylphthalate-d6	14.52	166	2609254	39.64	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	3377076	41.54	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	90758	7.43	ng/ul	0.00
57) Fluorene-d10	16.11	176	2207116	38.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	321760	34.80	ng/ul	0.00
70) Anthracene-d10	17.94	188	3153703	39.60	ng/ul	0.00
76) Pyrene-d10	20.17	212	3232004	42.65	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	3112601	38.62	ng/ul	0.00

Target Compounds

					Ovalue
6) Phenol	7.67	94	47372	1.573	ng/ul# 77
14) Acetophenone	9.34	105	174752	4.885	ng/ul# 25
17) Hexachloroethane	9.64	117	57775	5.601	ng/ul# 1
28) Naphthalene	11.42	128	387674	4.873	ng/ul 97
34) 2-Methylnaphthalene	12.99	142	677183	12.259	ng/ul 99
40) 1,1'-Biphenyl	13.97	154	430882	6.354	ng/ul# 98
44) Dimethylphthalate	14.56	163	189388	2.976	ng/ul 99
47) Acenaphthylene	14.86	152	156096	1.982	ng/ul# 90
49) Acenaphthene	15.20	153	5044062	90.126	ng/ul 99
53) Dibenzofuran	15.52	168	5232324	67.325	ng/ul 100
54) 2,4-Dinitrotoluene	15.43	165	35988	2.093	ng/ul# 76
58) Fluorene	16.16	166	5550457	88.447	ng/ul 100
60) 4-Nitroaniline	16.16	138	65461	4.886	ng/ul# 12
69) Phenanthrene	17.89	178	7740813	84.345	ng/ul 99
71) Anthracene	17.97	178	578766	6.214	ng/ul 99
72) Carbazole	18.23	167	209960	2.642	ng/ul 97
73) Di-n-butylphthalate	18.75	149	164011	1.697	ng/ul# 94
74) Fluoranthene	19.84	202	2332398	23.310	ng/ul# 81
77) Pyrene	20.20	202	1356467	14.494	ng/ul# 79
78) Butylbenzylphthalate	21.04	149	58209	1.525	ng/ul 96
82) Chrysene	21.91	228	92110	1.050	ng/ul 95

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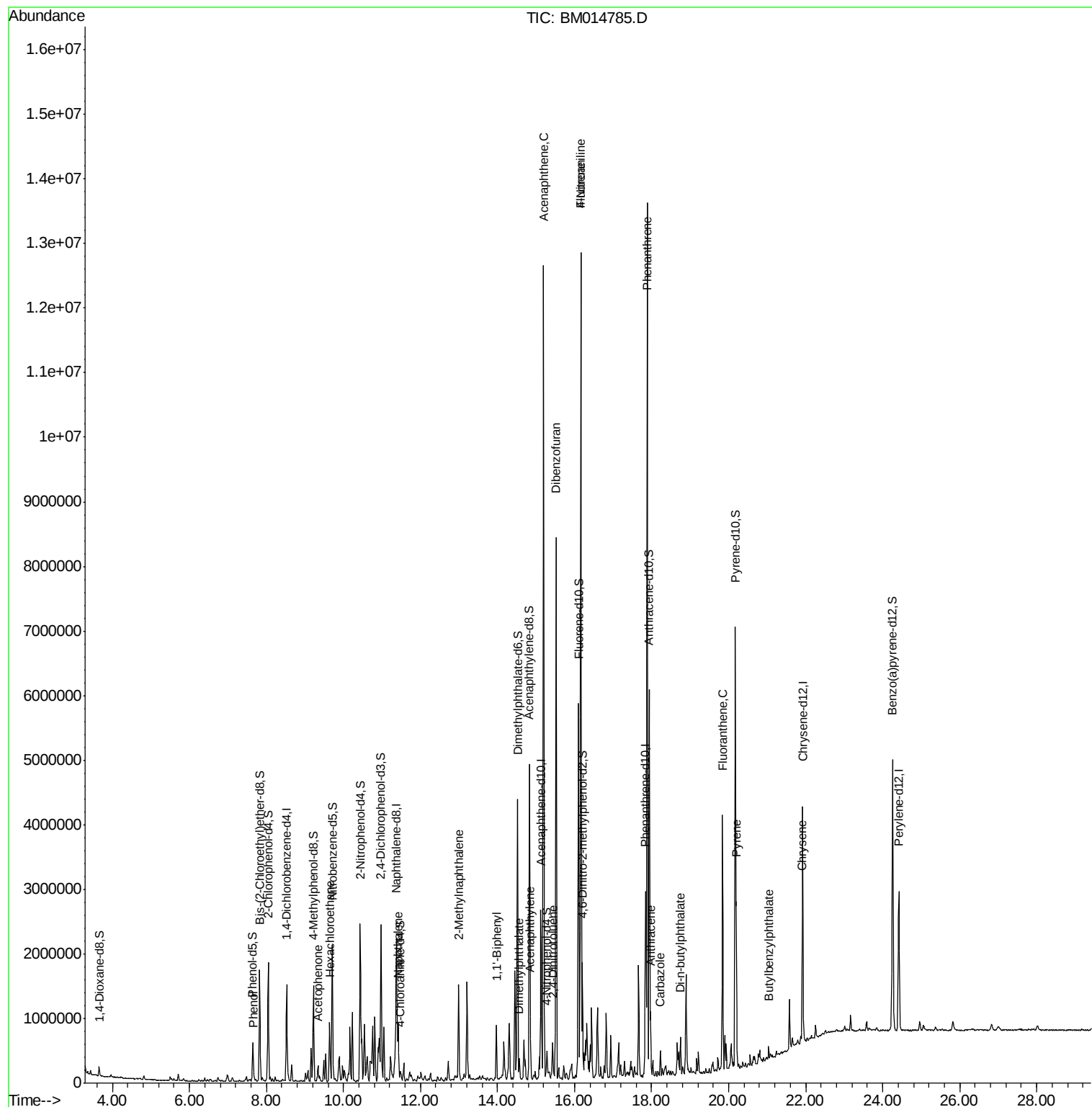
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

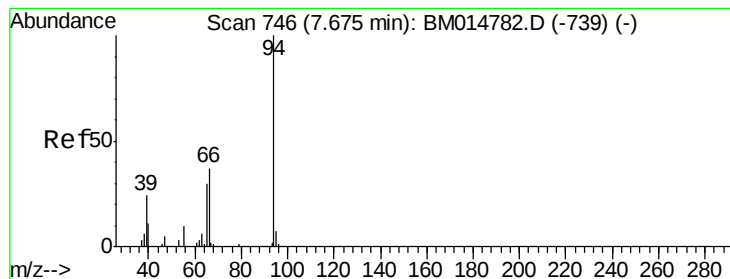
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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#6

Phenol

Concen: 1.573 ng/ul

RT: 7.67 min Scan# 746

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

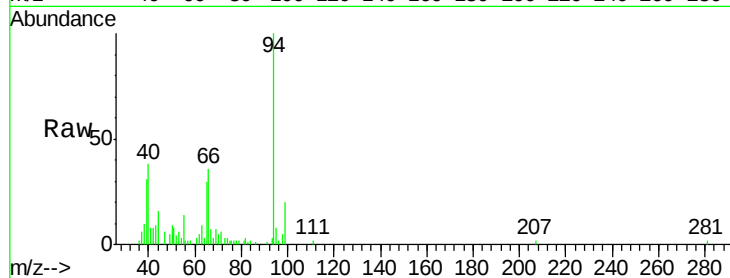
Tot Ion: 94 Resp: 47372

Ion Ratio Lower Upper

94 100

65 29.8 28.2 42.4

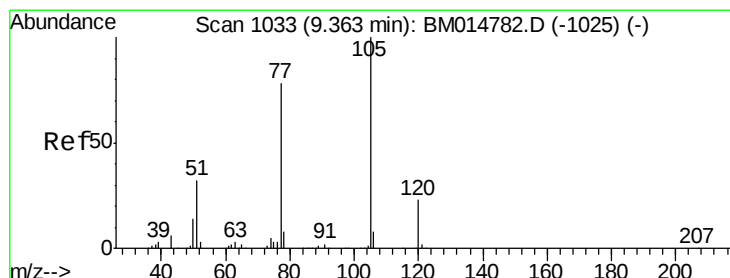
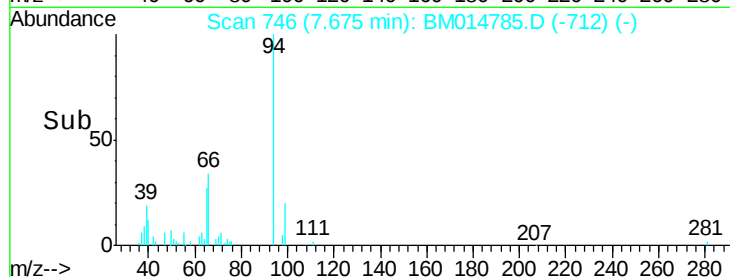
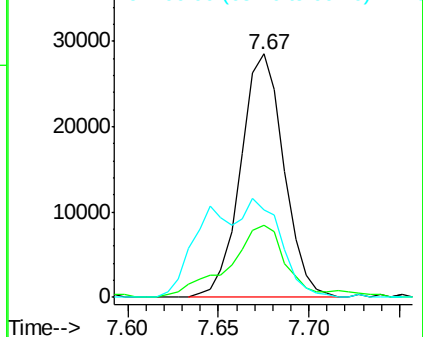
66 36.1 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014785.D (-739) (-)

Ion 65.00 (64.70 to 65.70): BM014785.D (-739) (-)

Ion 66.00 (65.70 to 66.70): BM014785.D (-739) (-)



#14

Acetophenone

Concen: 4.885 ng/ul

RT: 9.34 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

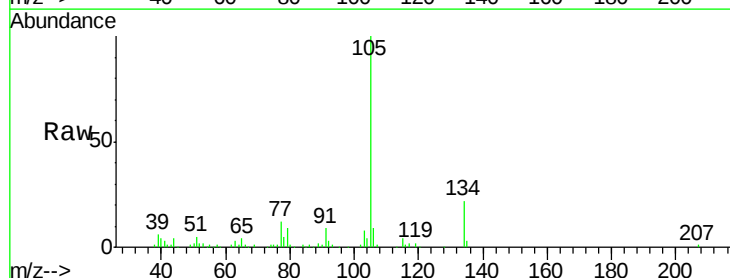
Tgt Ion: 105 Resp: 174752

Ion Ratio Lower Upper

105 100

77 12.1 74.2 111.4#

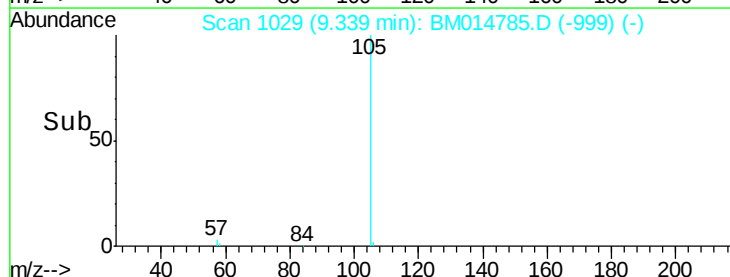
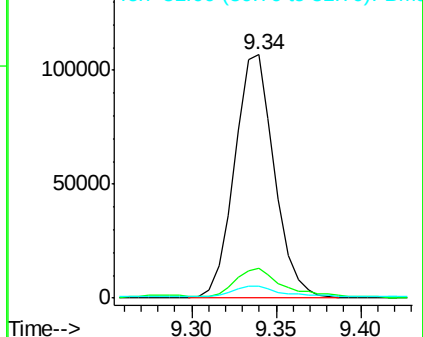
51 4.9 23.4 35.2#

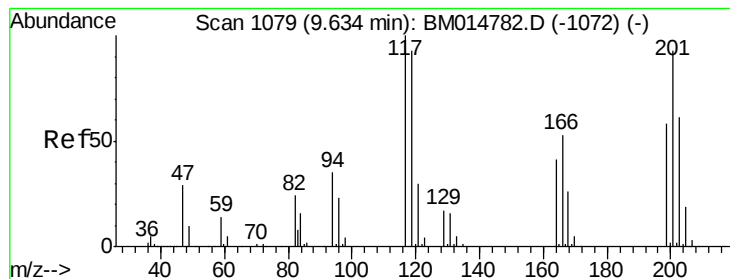


Abundance Ion 105.00 (104.70 to 105.70): BM014785.D (-999) (-)

Ion 77.00 (76.70 to 77.70): BM014785.D (-999) (-)

Ion 51.00 (50.70 to 51.70): BM014785.D (-999) (-)





#17

Hexachloroethane

Concen: 5.601 ng/ul

RT: 9.64 min Scan# 1080

Delta R.T. 0.01 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

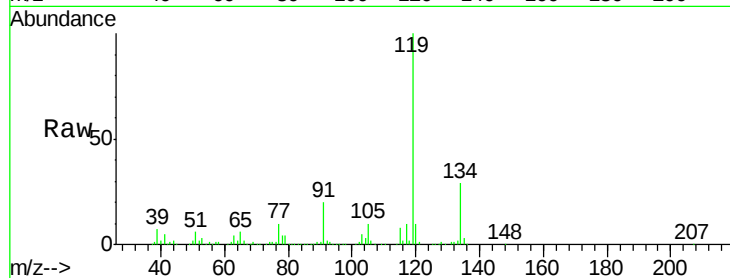
Tot Ion:117 Resp: 57775

Ion Ratio Lower Upper

117 100

201 0.0 111.6 167.4#

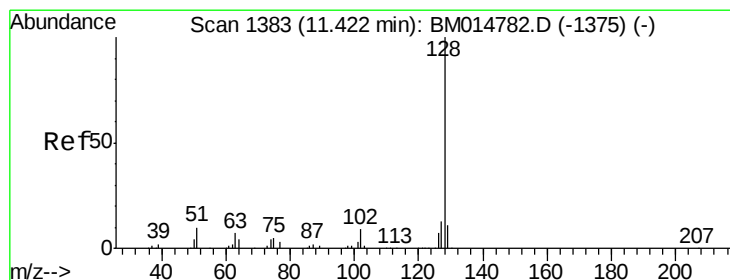
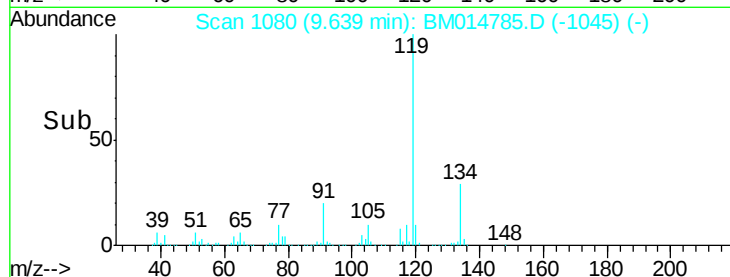
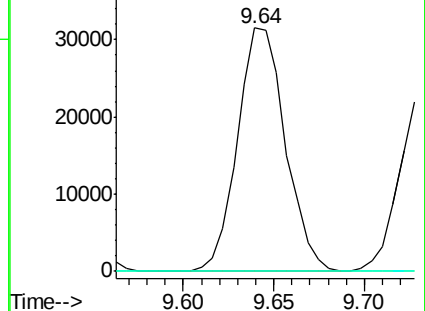
199 0.0 67.8 101.6#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 4.873 ng/ul

RT: 11.42 min Scan# 1383

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

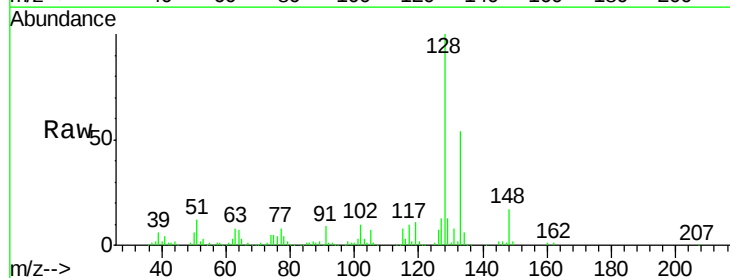
Tgt Ion:128 Resp: 387674

Ion Ratio Lower Upper

128 100

129 13.1 8.8 13.2

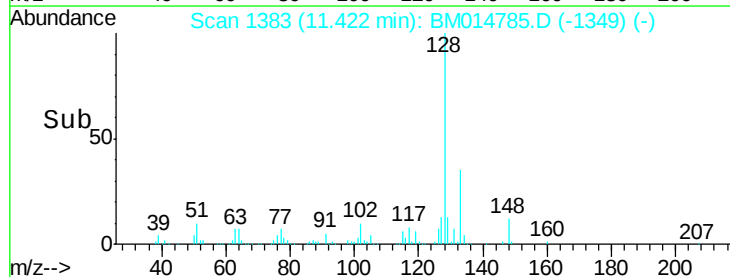
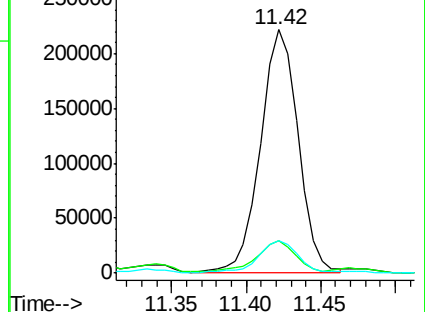
127 13.5 10.6 16.0

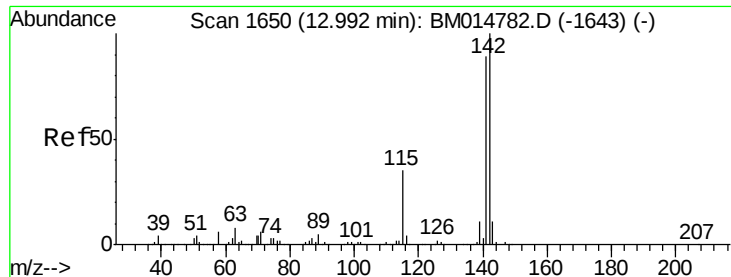


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

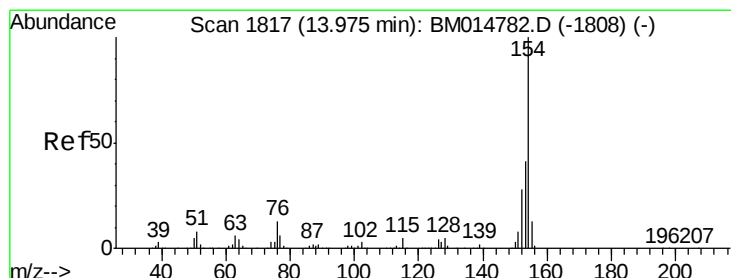
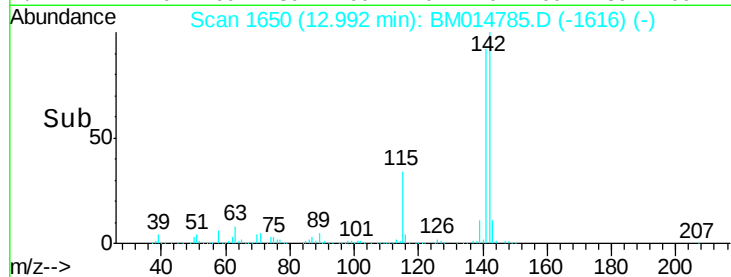
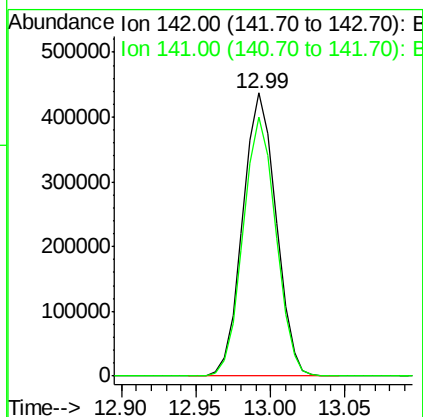
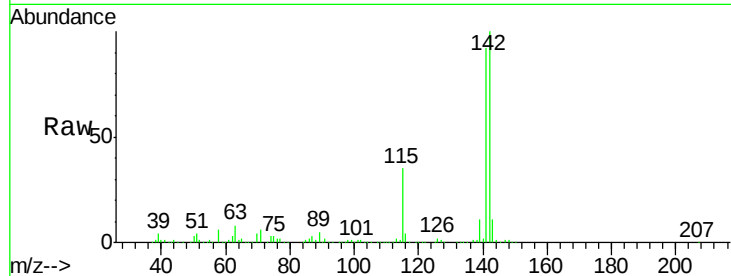




#34
 2-Methylnaphthalene
 Concen: 12.259 ng/ul
 RT: 12.99 min Scan# 1650
 Delta R.T. -0.00 min
 Lab File: BM014785.D
 Acq: 23 Apr 2018 20:38

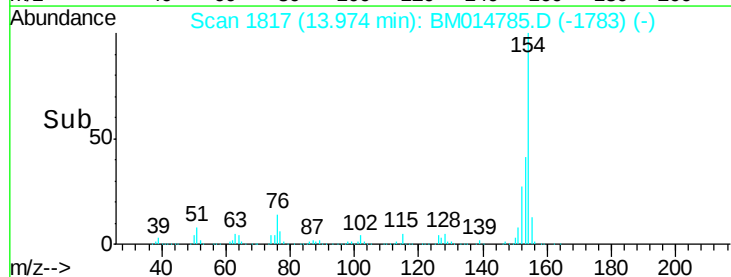
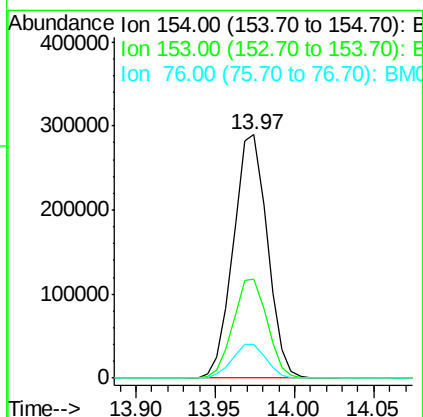
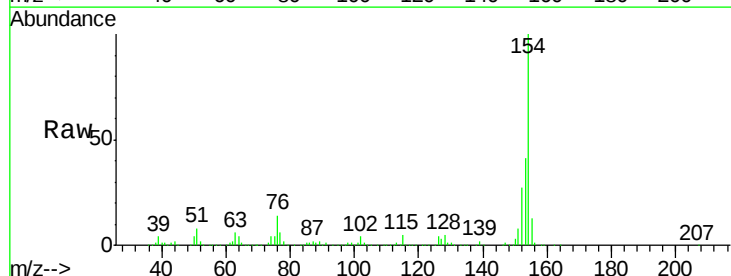
Instrument :
 BNA_M
 ClientSampleId :

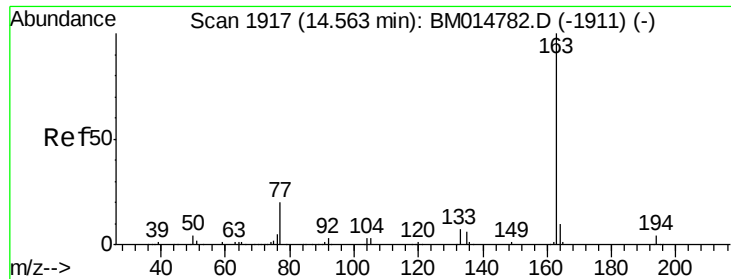
Tot Ion:142 Resp: 677183
 Ion Ratio Lower Upper
 142 100
 141 91.7 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 6.354 ng/ul
 RT: 13.97 min Scan# 1817
 Delta R.T. -0.00 min
 Lab File: BM014785.D
 Acq: 23 Apr 2018 20:38

Tgt Ion:154 Resp: 430882
 Ion Ratio Lower Upper
 154 100
 153 40.9 32.6 48.8
 76 14.0 8.5 12.7#





#44

Dimethylphthalate

Concen: 2.976 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

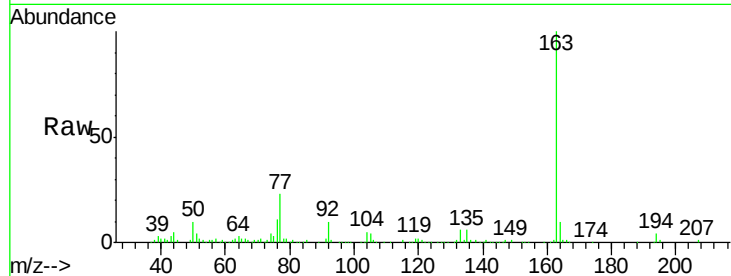
Tot Ion:163 Resp: 189388

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

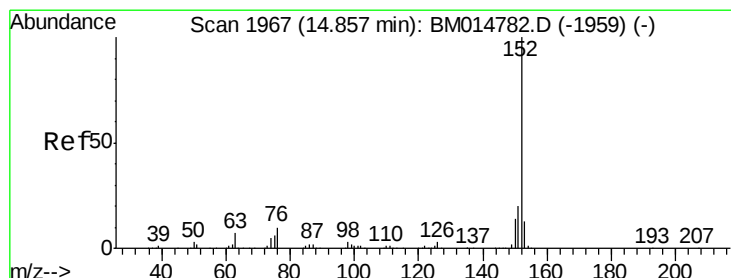
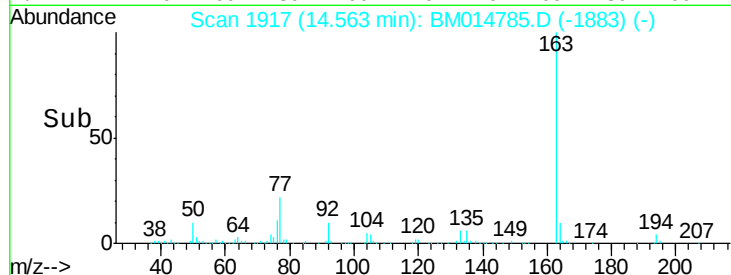
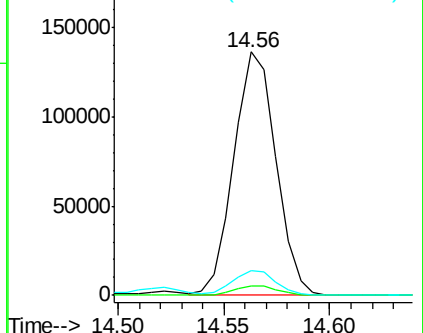
164 10.4 8.2 12.4



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: 1.982 ng/ul

RT: 14.86 min Scan# 1967

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

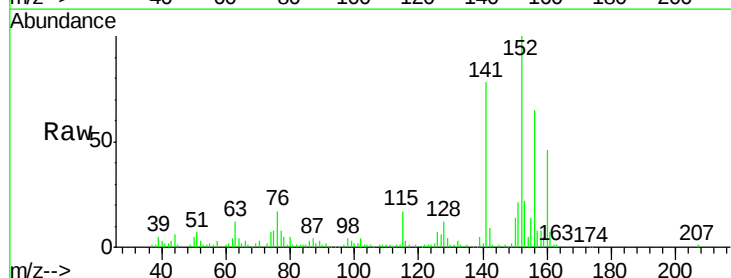
Tgt Ion:152 Resp: 156096

Ion Ratio Lower Upper

152 100

151 21.0 16.3 24.5

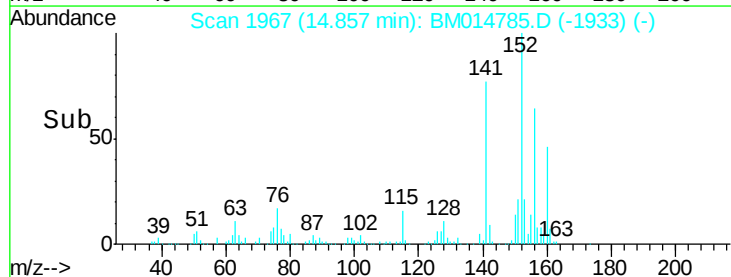
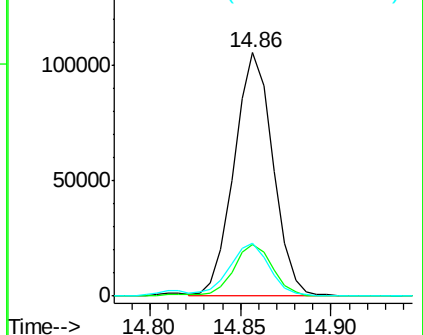
153 21.7 10.2 15.4#

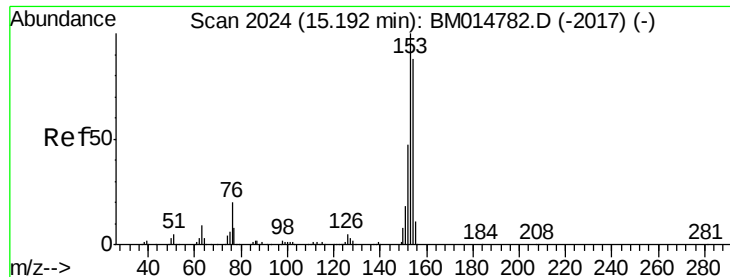


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 90.126 ng/ul

RT: 15.20 min Scan# 2025

Delta R.T. 0.01 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

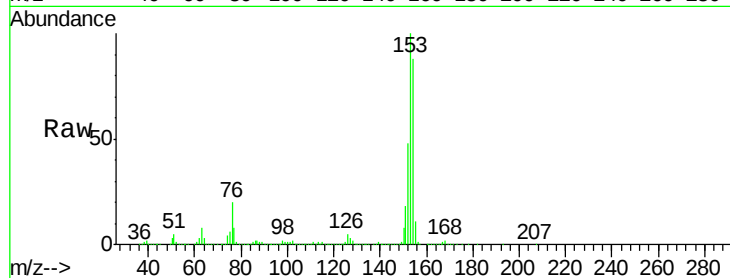
Tot Ion:153 Resp: 5044062

Ion Ratio Lower Upper

153 100

152 47.8 37.6 56.4

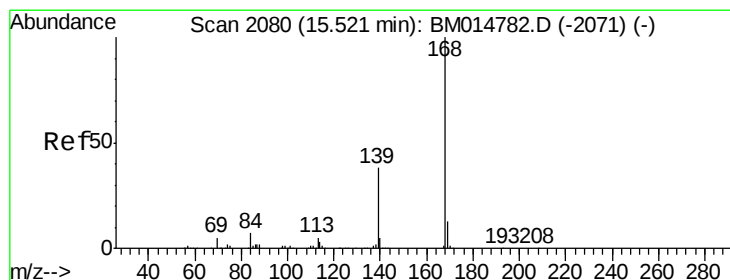
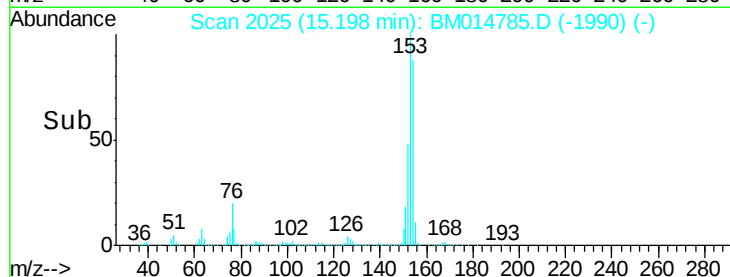
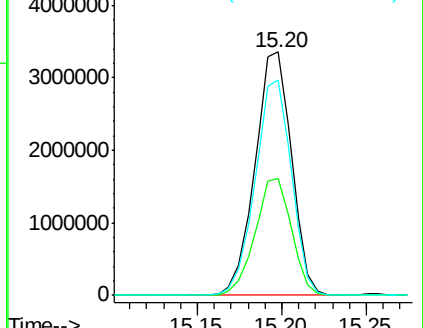
154 88.3 70.4 105.6



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: 67.325 ng/ul

RT: 15.52 min Scan# 2080

Delta R.T. -0.00 min

Lab File: BM014785.D

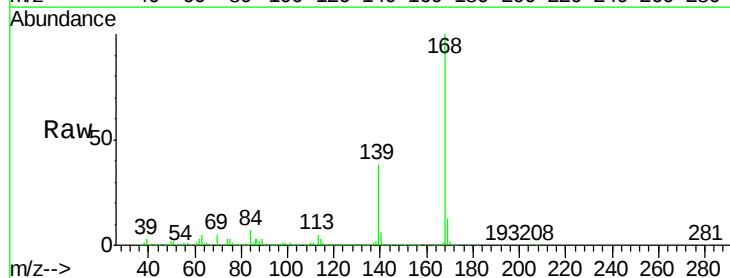
Acq: 23 Apr 2018 20:38

Tgt Ion:168 Resp: 5232324

Ion Ratio Lower Upper

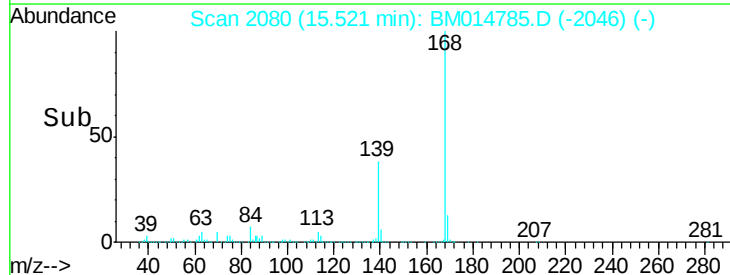
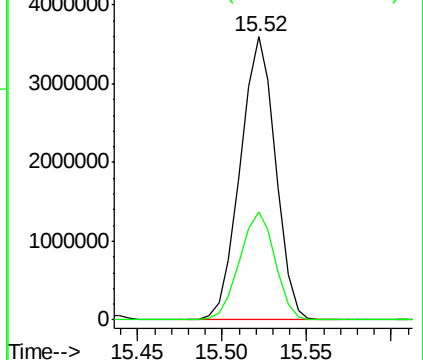
168 100

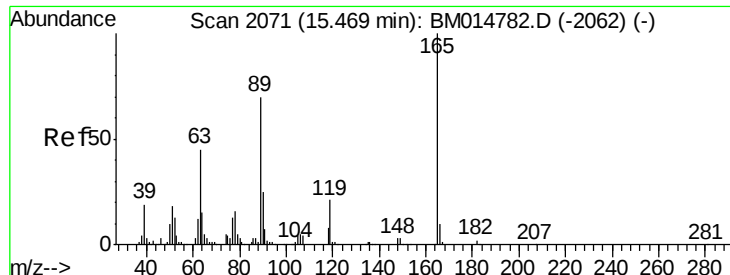
139 38.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

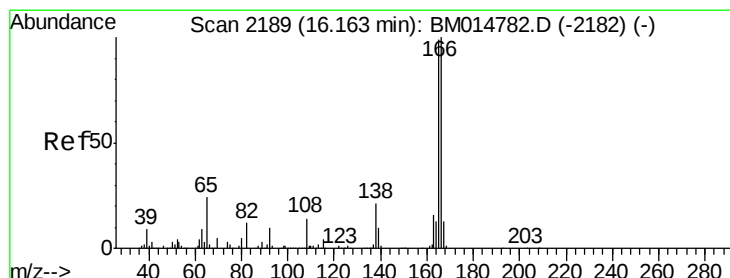
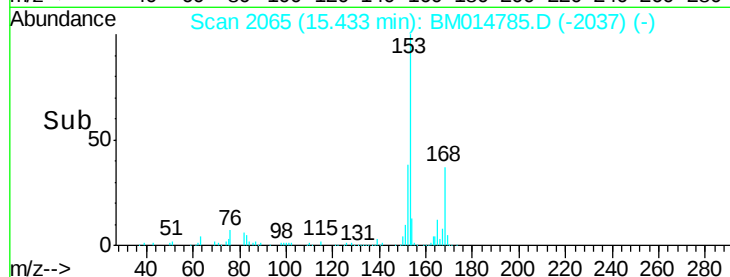
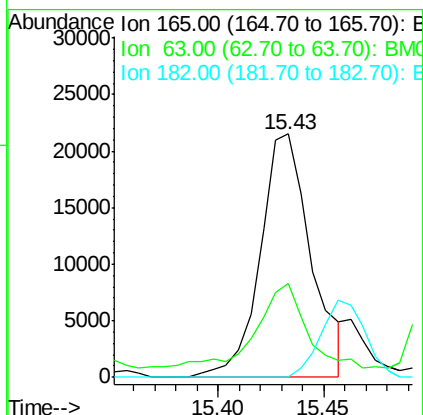
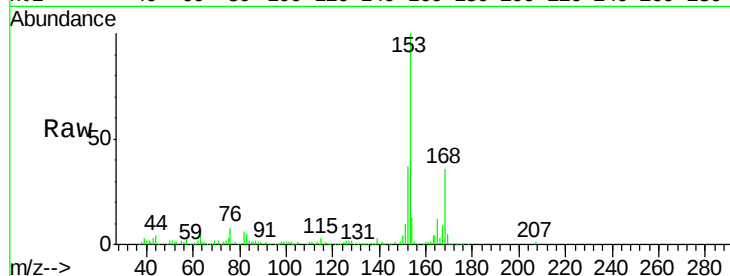




#54
 2,4-Dinitrotoluene
 Concen: 2.093 ng/ul
 RT: 15.43 min Scan# 2065
 Delta R.T. -0.04 min
 Lab File: BM014785.D
 Acq: 23 Apr 2018 20:38

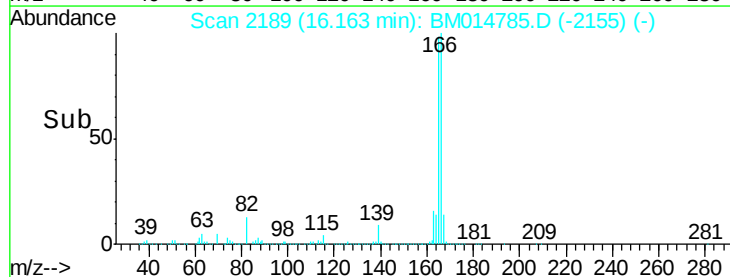
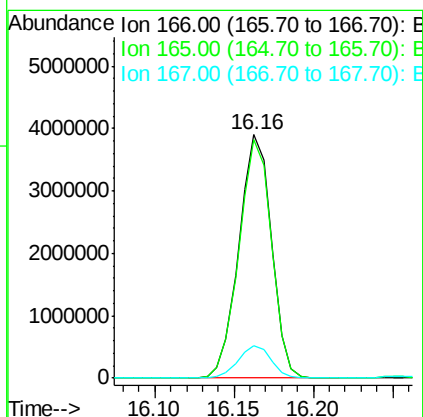
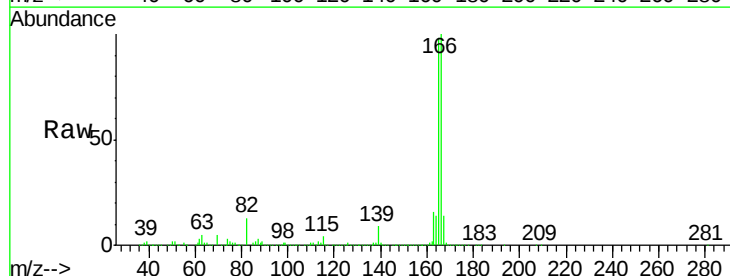
Instrument :
 BNA_M
 ClientSampleId :

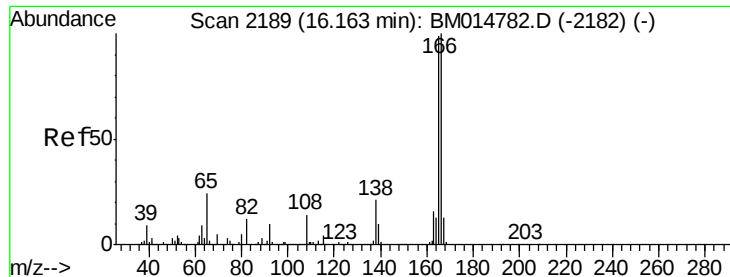
Tot Ion:165 Resp: 35988
 Ion Ratio Lower Upper
 165 100
 63 38.8 45.8 68.8#
 182 0.0 2.6 4.0#



#58
 Fluorene
 Concen: 88.447 ng/ul
 RT: 16.16 min Scan# 2189
 Delta R.T. -0.00 min
 Lab File: BM014785.D
 Acq: 23 Apr 2018 20:38

Tgt Ion:166 Resp: 5550457
 Ion Ratio Lower Upper
 166 100
 165 97.8 77.9 116.9
 167 13.5 10.6 16.0





#60

4-Nitroaniline

Concen: 4.886 ng/ul

RT: 16.16 min Scan# 2189

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

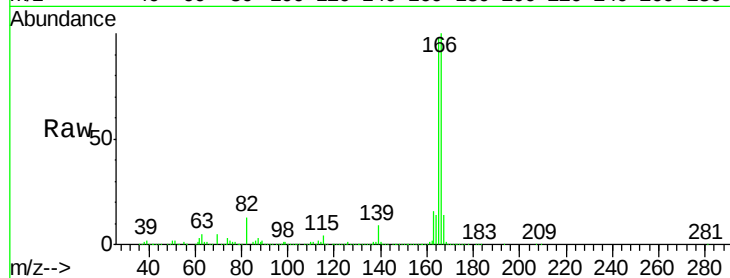
Tot Ion:138 Resp: 65461

Ion Ratio Lower Upper

138 100

92 1.8 40.0 60.0#

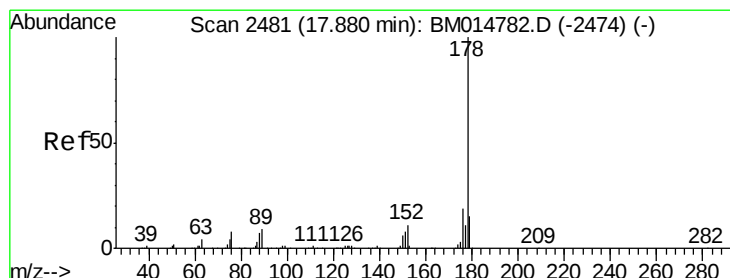
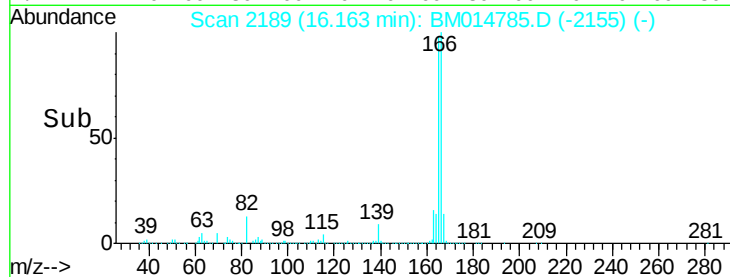
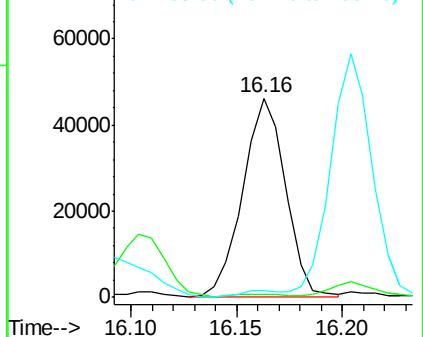
108 3.4 80.0 120.0#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E



#69

Phenanthrene

Concen: 84.345 ng/ul

RT: 17.89 min Scan# 2482

Delta R.T. 0.01 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

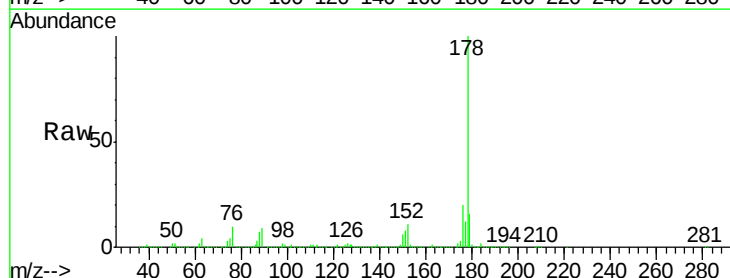
Tgt Ion:178 Resp: 7740813

Ion Ratio Lower Upper

178 100

179 15.8 12.6 19.0

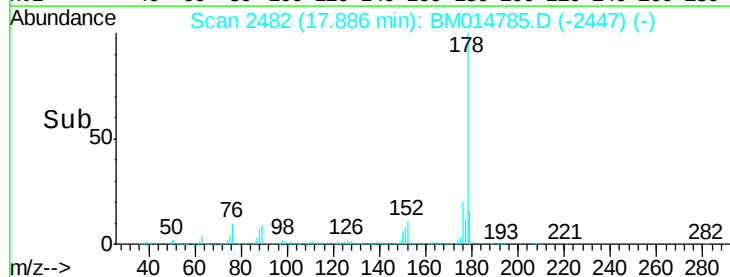
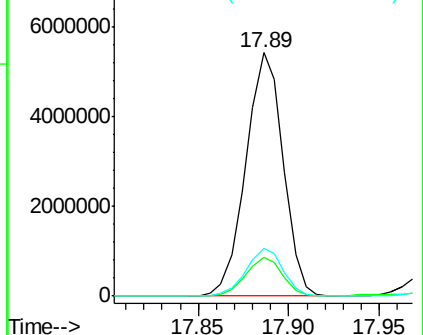
176 19.6 14.9 22.3

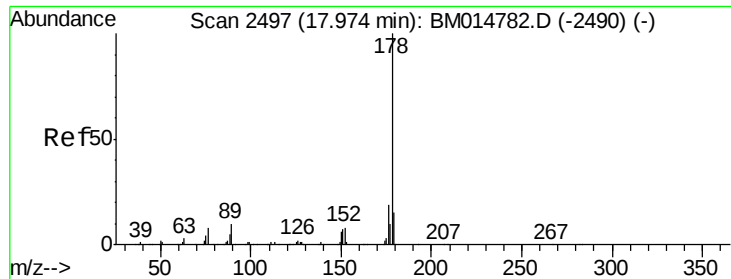


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

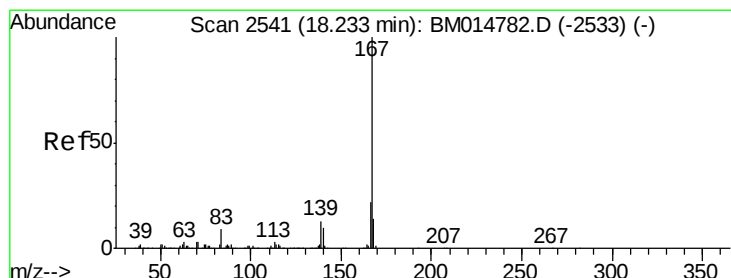
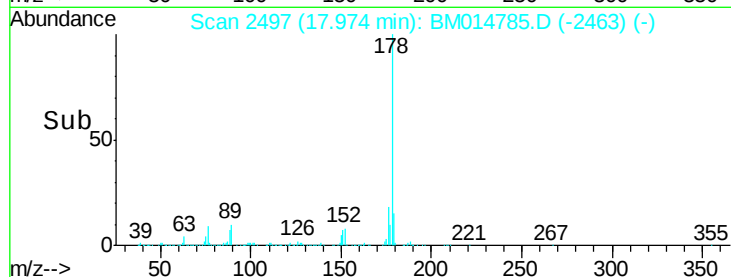
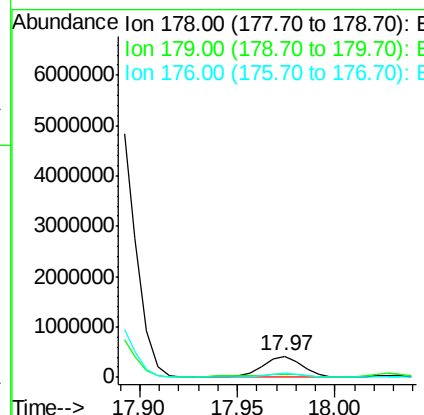
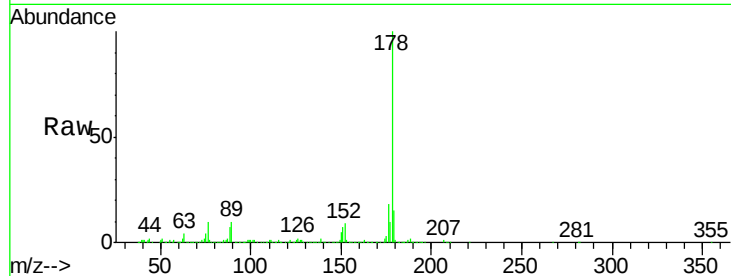




#71
 Anthracene
 Concen: 6.214 ng/ul
 RT: 17.97 min Scan# 2497
 Delta R.T. -0.00 min
 Lab File: BM014785.D
 Acq: 23 Apr 2018 20:38

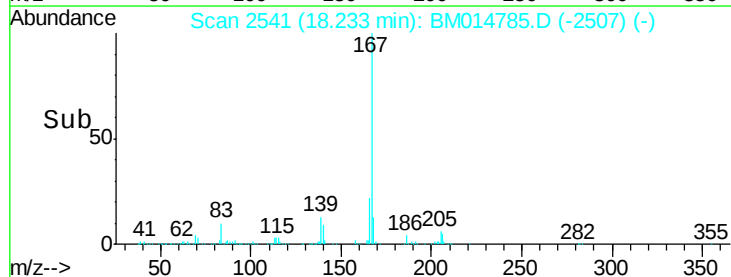
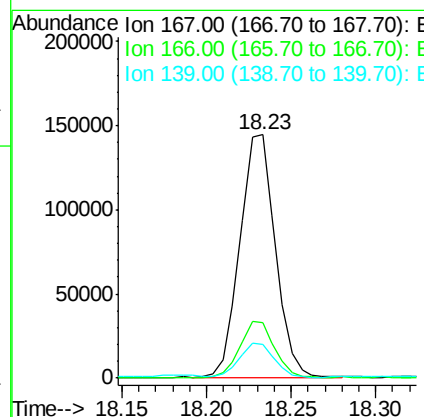
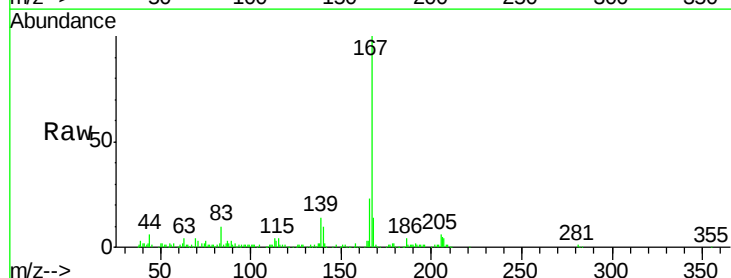
Instrument :
 BNA_M
 ClientSampleId :

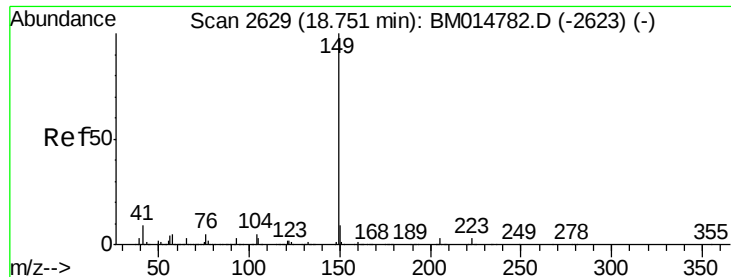
Tot Ion:178 Resp: 578766
 Ion Ratio Lower Upper
 178 100
 179 15.3 11.7 17.5
 176 18.5 14.6 21.8



#72
 Carbazole
 Concen: 2.642 ng/ul
 RT: 18.23 min Scan# 2541
 Delta R.T. -0.00 min
 Lab File: BM014785.D
 Acq: 23 Apr 2018 20:38

Tgt Ion:167 Resp: 209960
 Ion Ratio Lower Upper
 167 100
 166 22.6 17.1 25.7
 139 13.8 10.0 15.0





#73

Di-n-butylphthalate

Concen: 1.697 ng/ul

RT: 18.75 min Scan# 2629

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

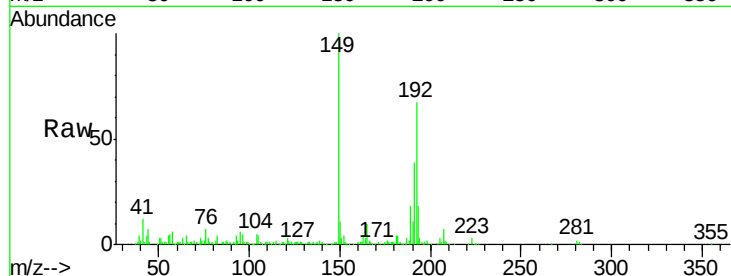
Tot Ion:149 Resp: 164011

Ion Ratio Lower Upper

149 100

150 11.1 7.1 10.7#

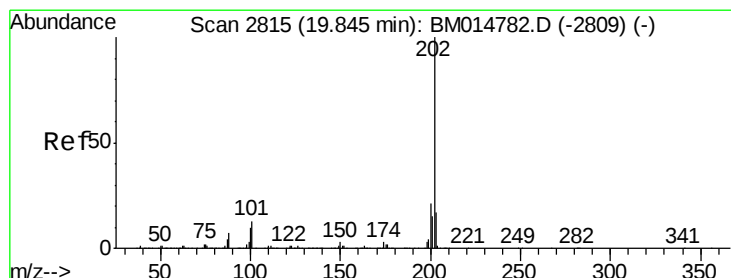
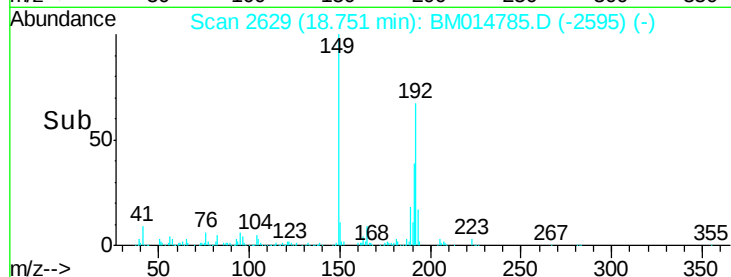
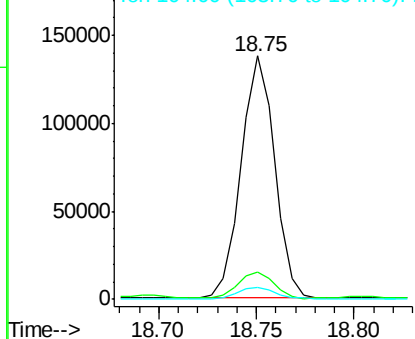
104 5.1 5.6 8.4#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 23.310 ng/ul

RT: 19.84 min Scan# 2815

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

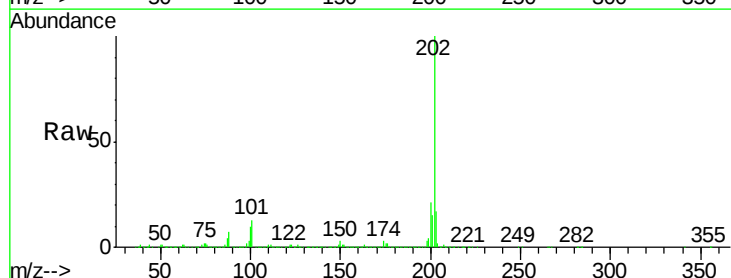
Tgt Ion:202 Resp: 2332398

Ion Ratio Lower Upper

202 100

101 12.8 4.6 7.0#

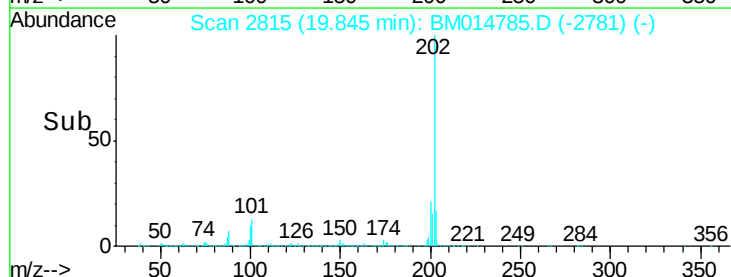
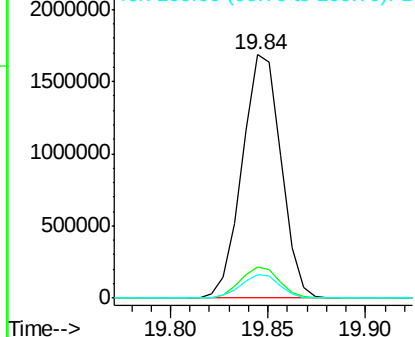
100 9.9 3.4 5.2#

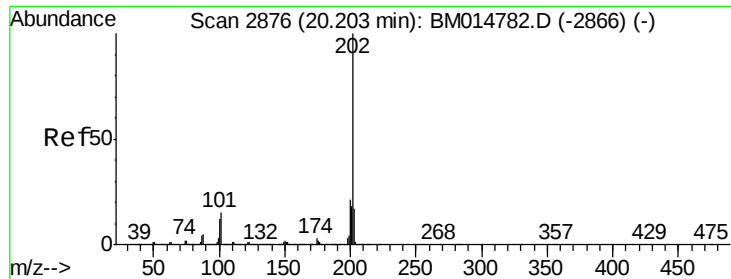


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 14.494 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. -0.00 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

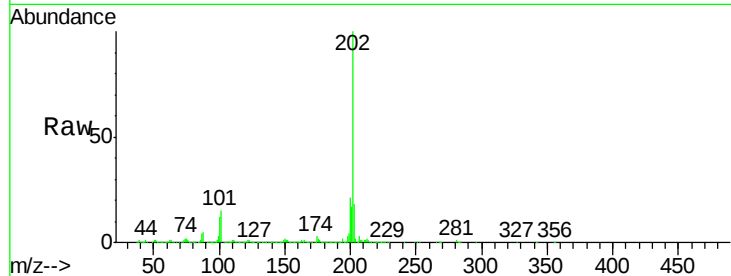
Tot Ion:202 Resp: 1356467

Ion Ratio Lower Upper

202 100

101 14.6 5.1 7.7#

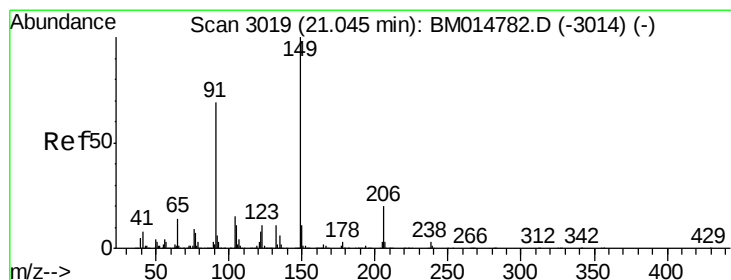
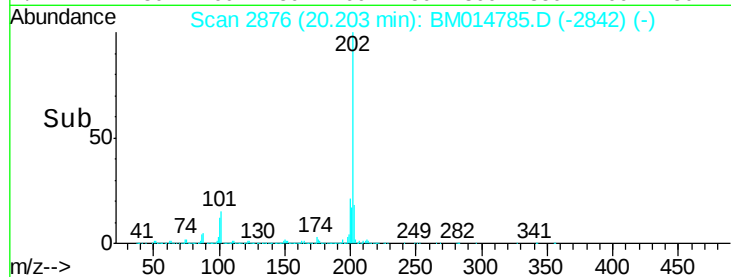
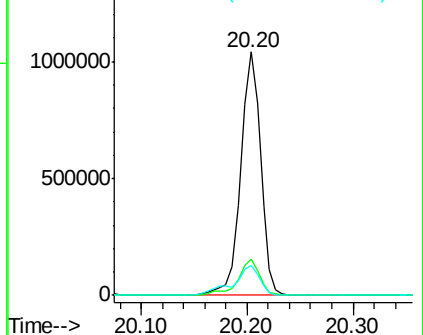
100 12.4 4.9 7.3#



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



#78

Butylbenzylphthalate

Concen: 1.525 ng/ul

RT: 21.04 min Scan# 3018

Delta R.T. -0.01 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

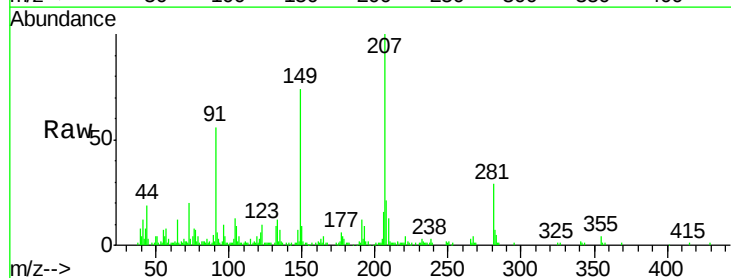
Tgt Ion:149 Resp: 58209

Ion Ratio Lower Upper

149 100

91 76.4 62.7 94.1

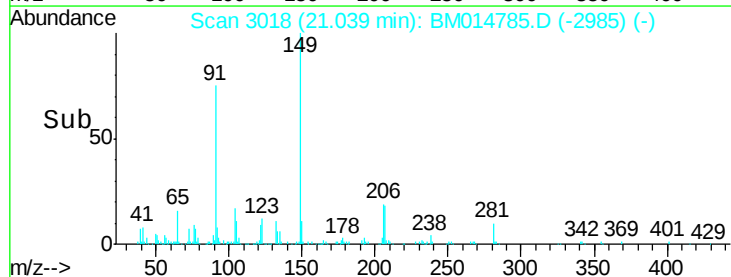
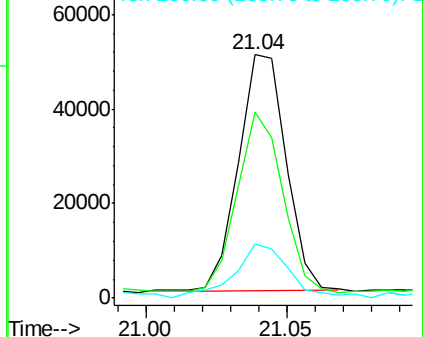
206 22.0 20.8 31.2

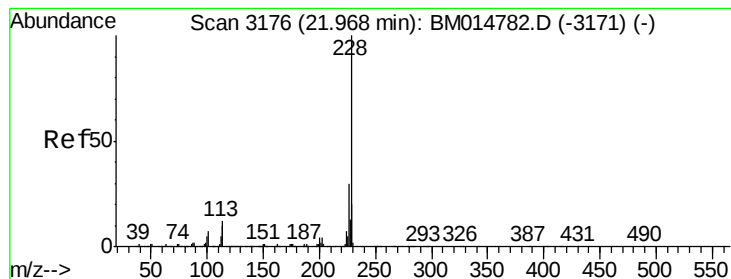


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM

Ion 206.00 (205.70 to 206.70): E





#82

Chrysene

Concen: 1.050 ng/ul

RT: 21.91 min Scan# 3166

Delta R.T. -0.06 min

Lab File: BM014785.D

Acq: 23 Apr 2018 20:38

Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 92110

Ion	Ratio	Lower	Upper
228	100		
226	26.3	23.4	35.2
229	21.4	15.5	23.3

