

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120817\
 Data File : BM013287.D
 Acq On : 09 Dec 2017 02:21
 Operator : SJ/JU
 Sample : I6759-15
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A28

Quant Time: Dec 09 03:44:00 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 08 23:45:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	186536	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	853243	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	524303	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1258018	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1490573	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1424996	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	26157	6.95	ng/uL	0.00
5) Phenol-d5	6.87	99	634586	39.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	363490	39.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	502425	39.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	541050	39.24	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	264673	39.12	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	295362	40.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	549554	36.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	726695	52.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	1849356	39.64	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	2329170	40.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	320102	39.49	ng/ul	0.00
57) Fluorene-d10	15.33	176	1571393	39.16	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	248176	31.36	ng/ul	0.00
70) Anthracene-d10	17.18	188	2514053	39.90	ng/ul	0.00
76) Pyrene-d10	19.48	212	2903818	39.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	2836275	39.08	ng/ul	0.00

Target Compounds

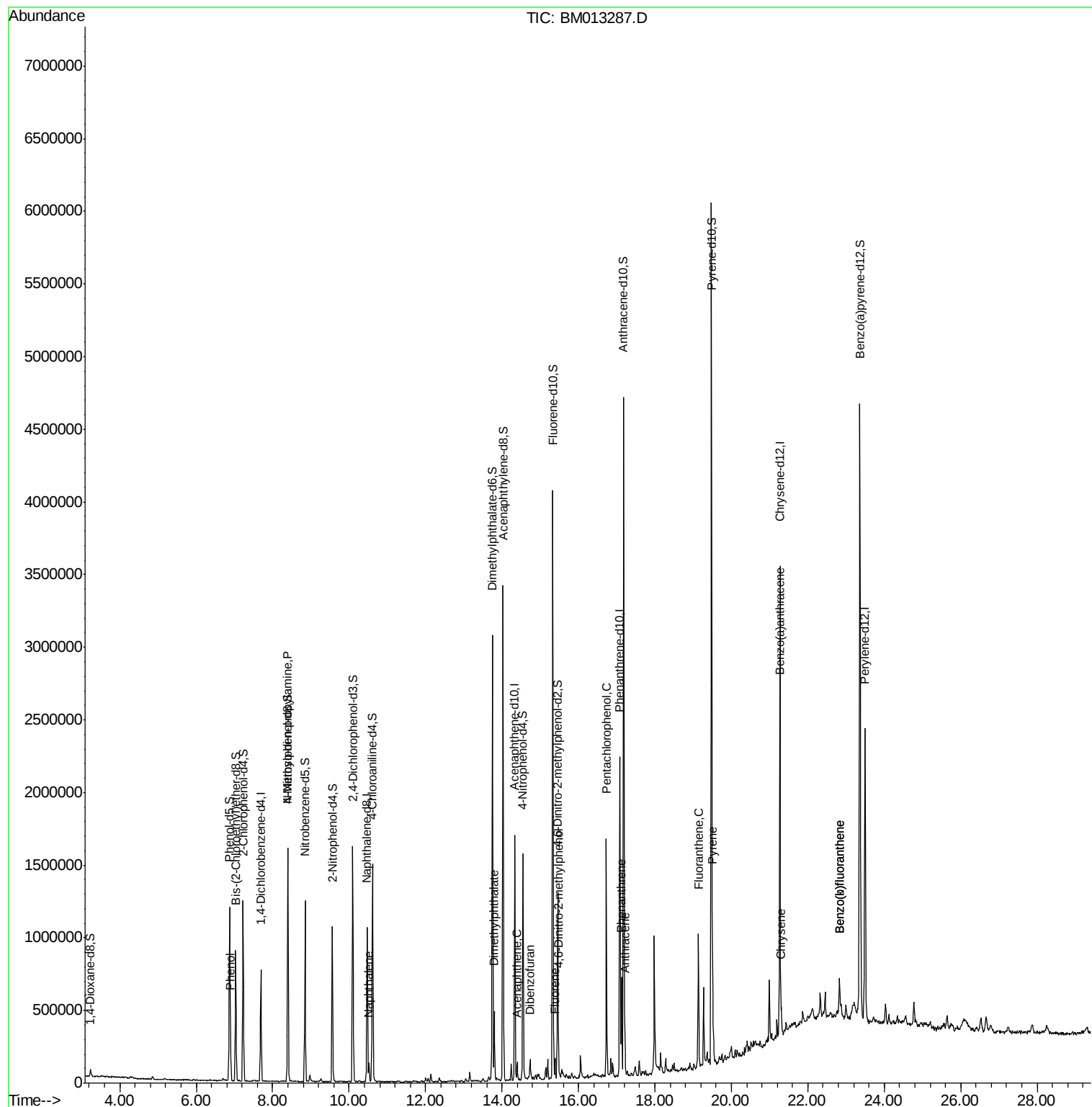
				Ovalue	
6) Phenol	6.90	94	101746	6.377	ng/ul# 81
15) N-Nitroso-di-n-propylamine	8.40	70	15594	1.476	ng/ul# 1
28) Naphthalene	10.52	128	99524	2.267	ng/ul 98
44) Dimethylphthalate	13.79	163	277027	6.208	ng/ul 99
49) Acenaphthene	14.40	153	47010	1.295	ng/ul# 94
53) Dibenzofuran	14.73	168	70192	1.310	ng/ul 98
58) Fluorene	15.39	166	57224	1.291	ng/ul 90
63) 4,6-Dinitro-2-methylphenol	15.47	198	23800	3.009	ng/ul# 66
68) Pentachlorophenol	16.73	266	252741	26.795	ng/ul 97
69) Phenanthrene	17.12	178	393973	5.512	ng/ul 99
71) Anthracene	17.22	178	235148	3.219	ng/ul 98
74) Fluoranthene	19.14	202	517092	5.904	ng/ul# 94
77) Pyrene	19.50	202	442555	4.887	ng/ul# 90
80) Benzo(a)anthracene	21.26	228	98625	1.043	ng/ul 96
82) Chrysene	21.30	228	119290	1.360	ng/ul 95
85) Benzo(b)fluoranthene	22.83	252	122788	1.278	ng/ul# 88
86) Benzo(k)fluoranthene	22.83	252	122788	1.358	ng/ul# 86

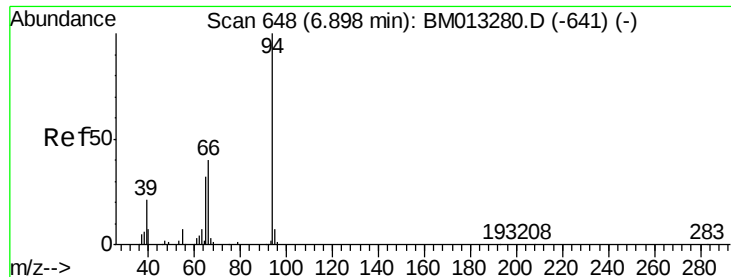
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 6.377 ng/ul

RT: 6.90 min Scan# 648

Delta R.T. 0.00 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Instrument :

BNA_M

ClientSampleId :

F9A28

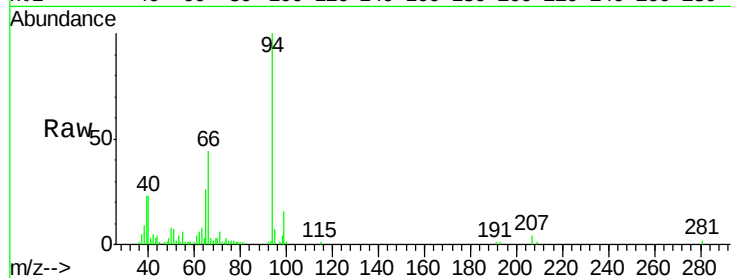
Tot Ion: 94 Resp: 101746

Ion Ratio Lower Upper

94 100

65 26.2 28.2 42.4#

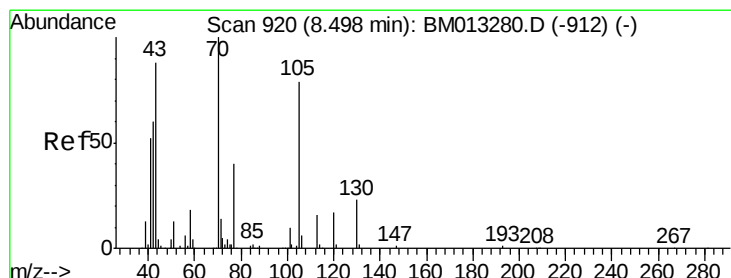
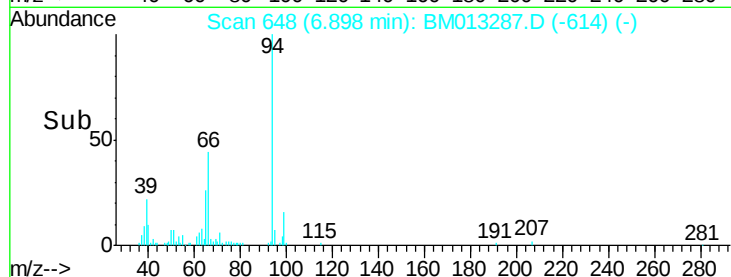
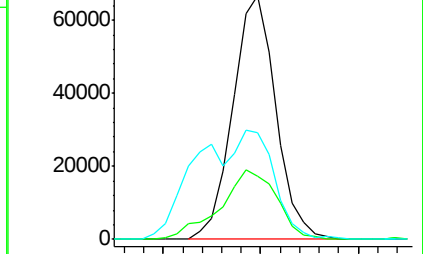
66 43.7 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013280.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BM013280.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BM013280.D (-641) (-)



#15

N-Nitroso-di-n-propylamine

Concen: 1.476 ng/ul

RT: 8.40 min Scan# 903

Delta R.T. -0.10 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Tgt Ion: 70 Resp: 15594

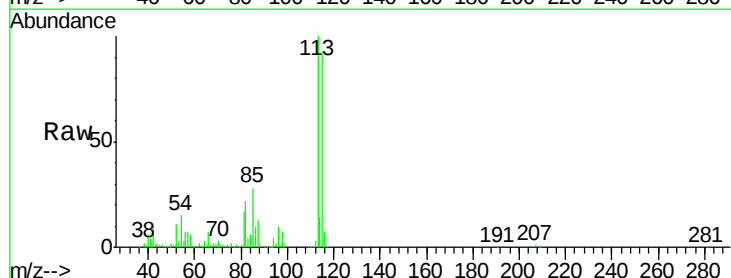
Ion Ratio Lower Upper

70 100

42 347.5 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

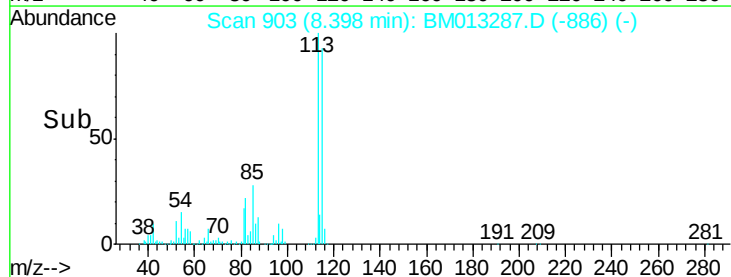
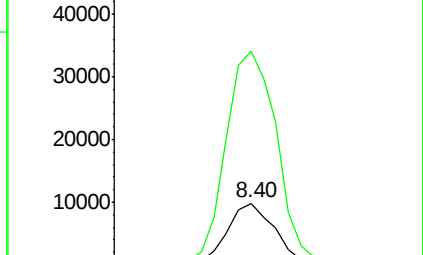


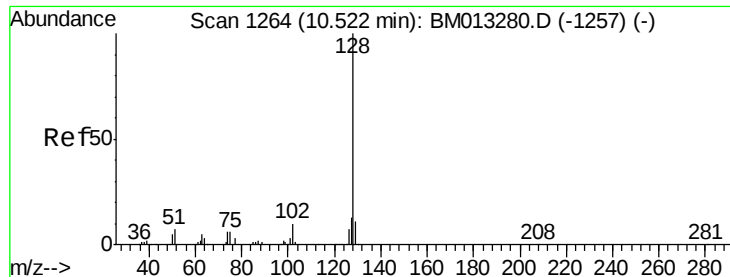
Abundance Ion 70.00 (69.70 to 70.70): BM013280.D (-912) (-)

Ion 42.00 (41.70 to 42.70): BM013280.D (-912) (-)

Ion 101.00 (100.70 to 101.70): BM013280.D (-912) (-)

Ion 130.00 (129.70 to 130.70): BM013280.D (-912) (-)





#28

Naphthalene

Concen: 2.267 ng/ul

RT: 10.52 min Scan# 1264

Delta R.T. 0.00 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Instrument :

BNA_M

ClientSampleId :

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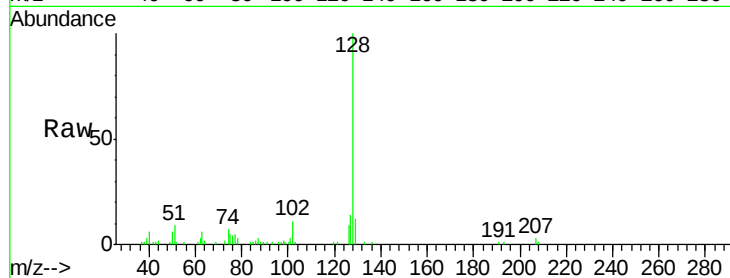
Tot Ion:128 Resp: 99524

Ion Ratio Lower Upper

128 100

129 11.7 8.8 13.2

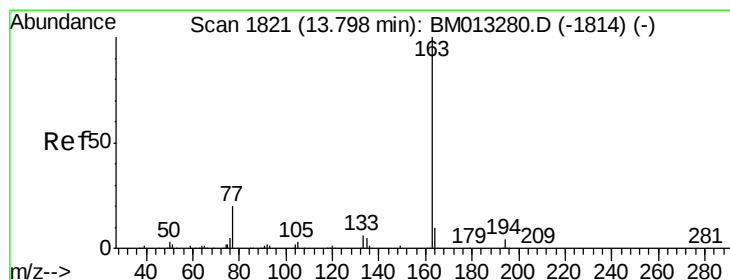
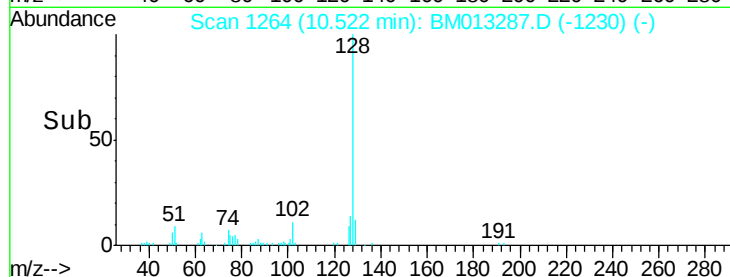
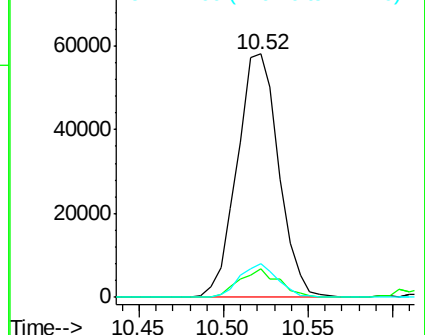
127 14.1 10.6 16.0



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



#44

Dimethylphthalate

Concen: 6.208 ng/ul

RT: 13.79 min Scan# 1820

Delta R.T. -0.01 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

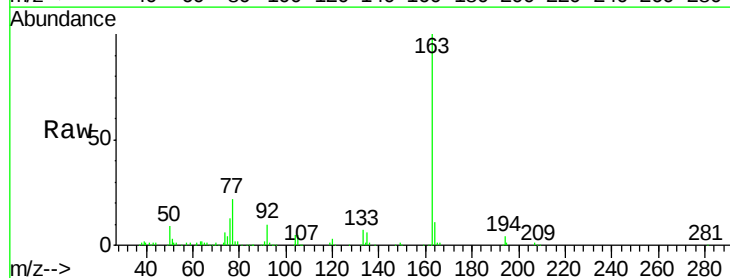
Tgt Ion:163 Resp: 277027

Ion Ratio Lower Upper

163 100

194 3.9 3.5 5.3

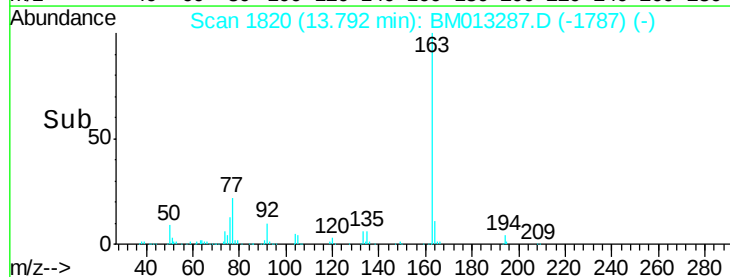
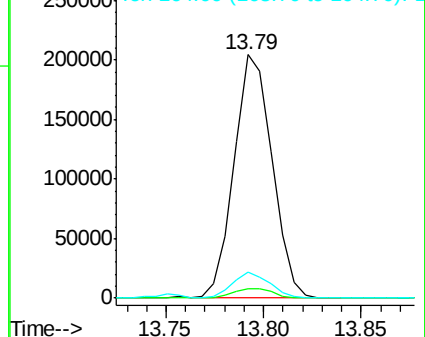
164 10.7 8.2 12.4

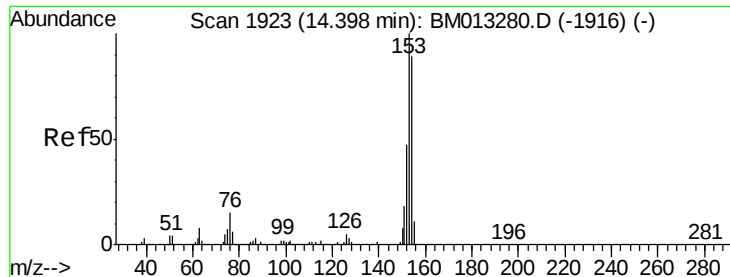


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#49

Acenaphthene

Concen: 1.295 ng/ul

RT: 14.40 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Instrument :

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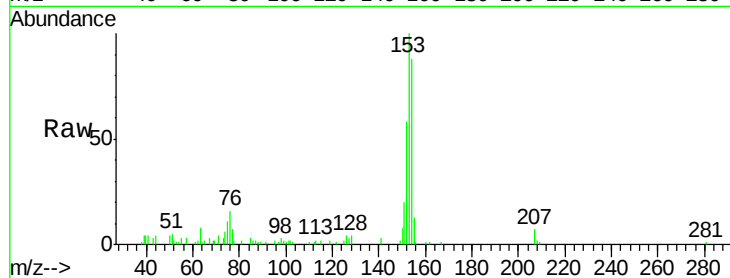
Tot Ion:153 Resp: 47010

Ion Ratio Lower Upper

153 100

152 58.3 37.6 56.4#

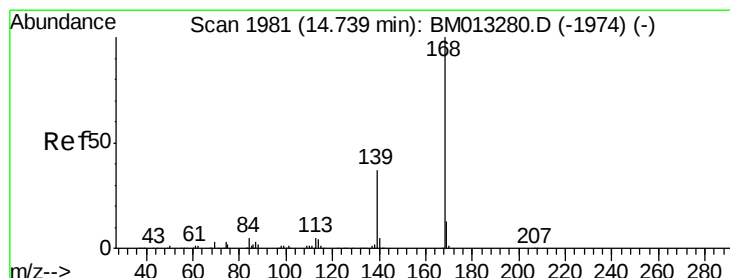
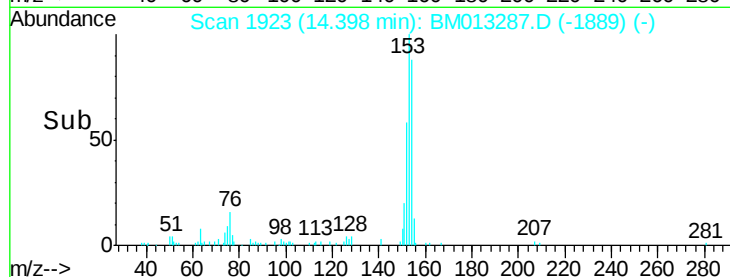
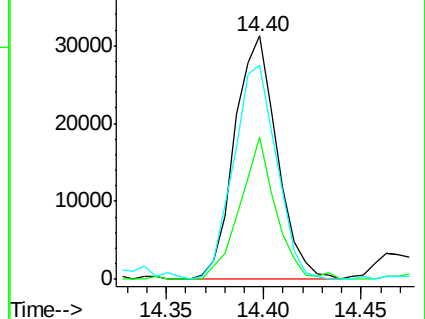
154 88.1 70.4 105.6



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: 1.310 ng/ul

RT: 14.73 min Scan# 1980

Delta R.T. -0.01 min

Lab File: BM013287.D

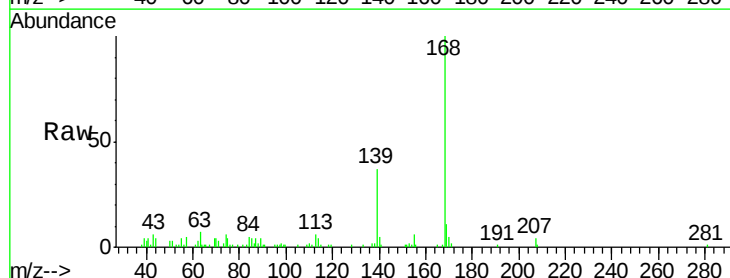
Acq: 09 Dec 2017 02:21

Tgt Ion:168 Resp: 70192

Ion Ratio Lower Upper

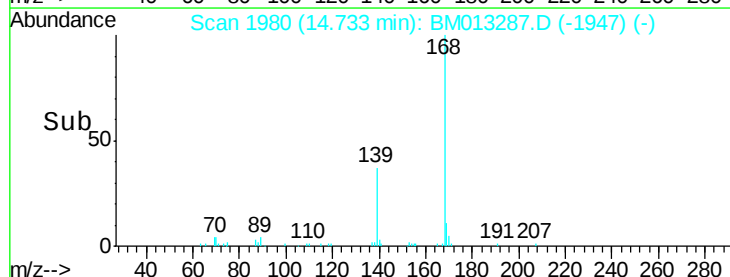
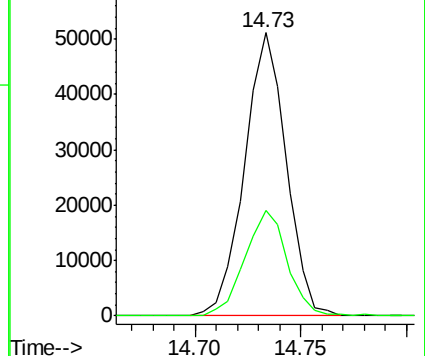
168 100

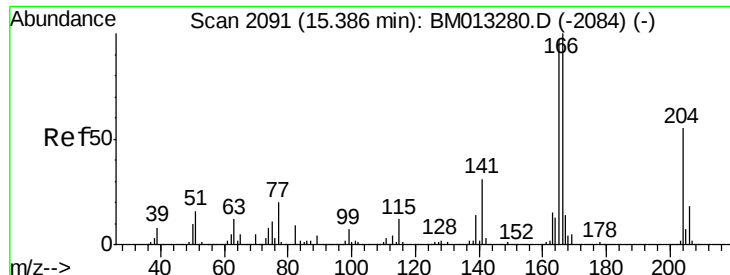
139 37.5 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.291 ng/ul

RT: 15.39 min Scan# 2091

Delta R.T. 0.00 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

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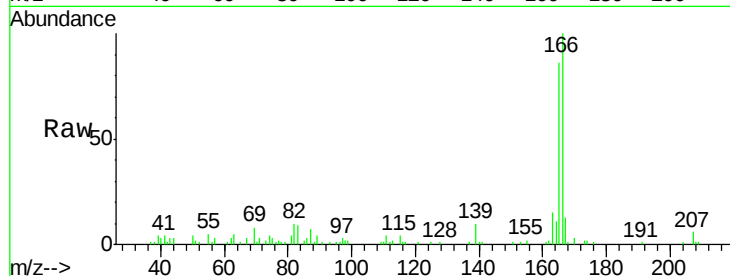
Tot Ion:166 Resp: 57224

Ion Ratio Lower Upper

166 100

165 86.1 77.9 116.9

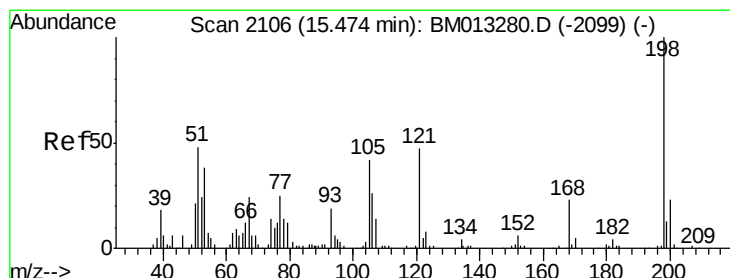
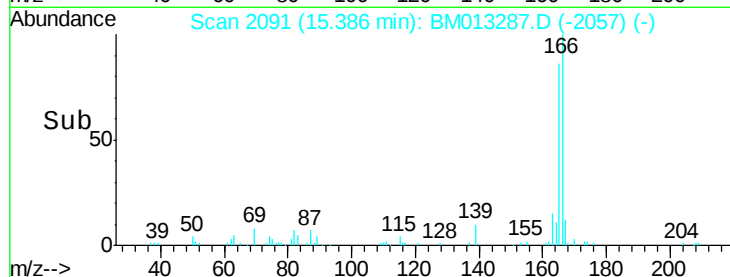
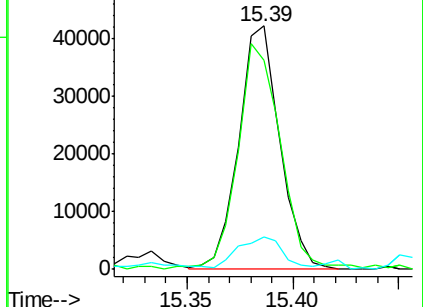
167 13.5 10.6 16.0



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



#63

4,6-Dinitro-2-methylphenol

Concen: 3.009 ng/ul

RT: 15.47 min Scan# 2106

Delta R.T. 0.00 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

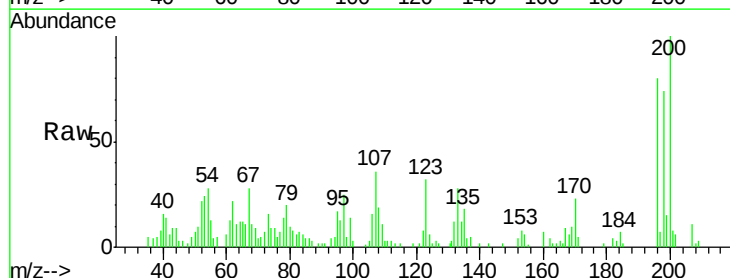
Tgt Ion:198 Resp: 23800

Ion Ratio Lower Upper

198 100

182 5.6 3.8 5.6

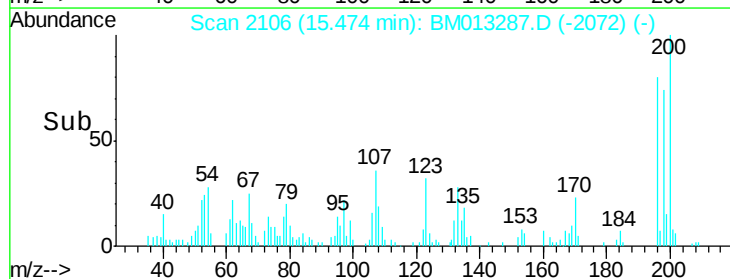
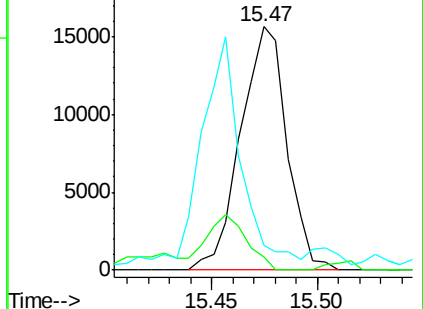
77 9.9 25.2 37.8#

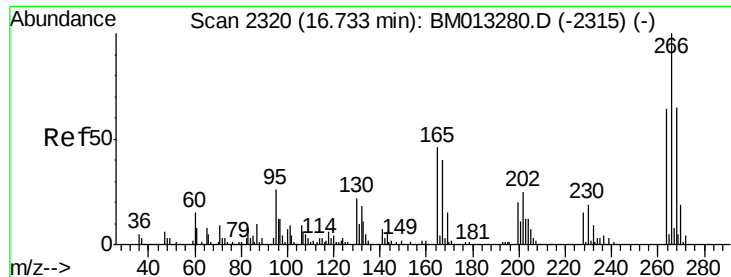


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM

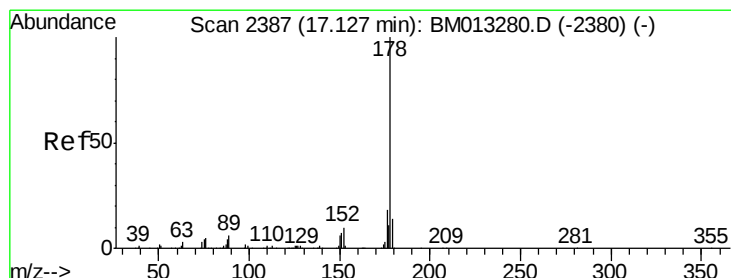
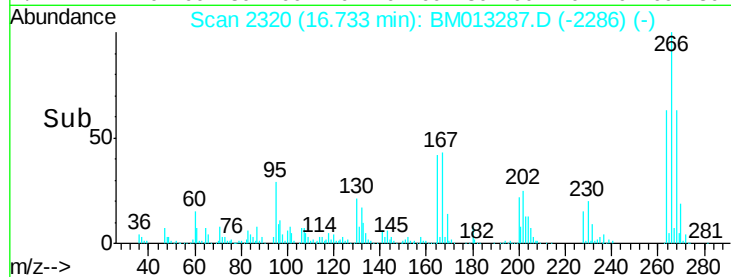
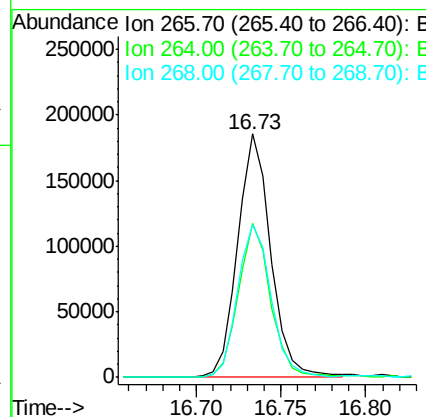
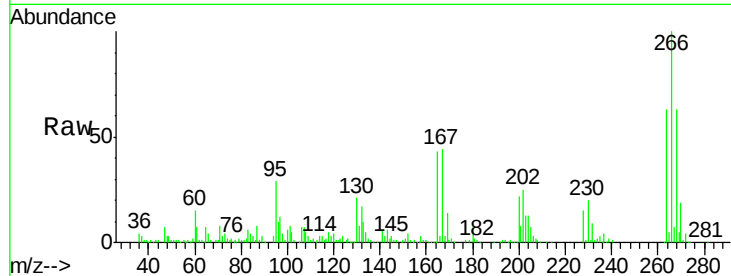




#68
 Pentachlorophenol
 Concen: 26.795 ng/ul
 RT: 16.73 min Scan# 2320
 Delta R.T. 0.00 min
 Lab File: BM013287.D
 Acq: 09 Dec 2017 02:21

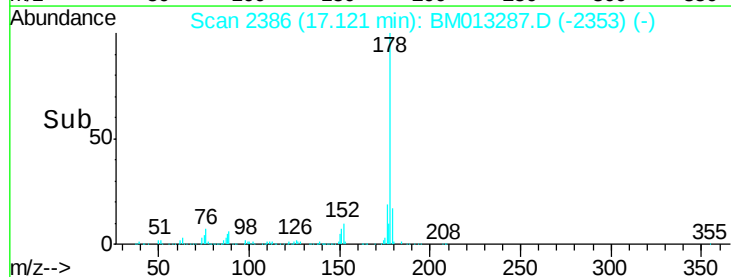
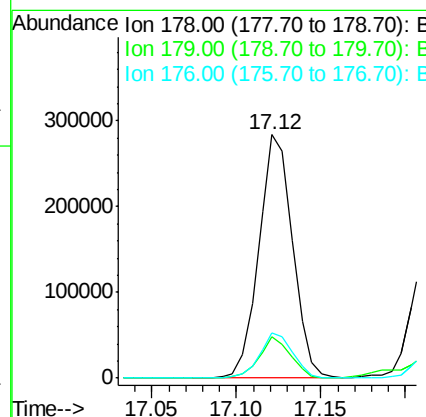
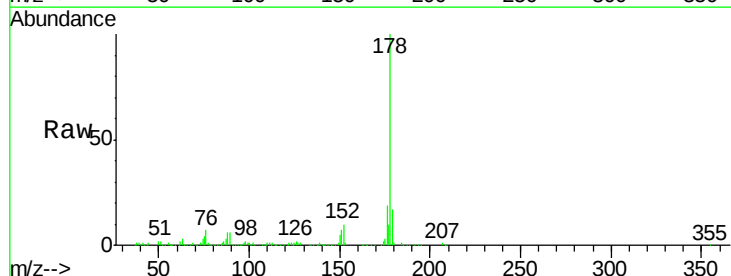
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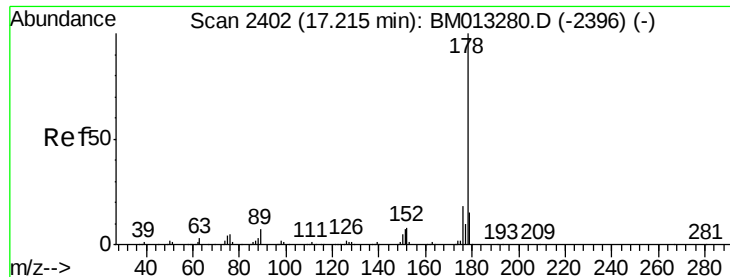
Tot Ion	Ratio	Lower	Upper
266	100		
264	63.1	49.3	73.9
268	62.6	52.6	78.8



#69
 Phenanthrene
 Concen: 5.512 ng/ul
 RT: 17.12 min Scan# 2386
 Delta R.T. -0.01 min
 Lab File: BM013287.D
 Acq: 09 Dec 2017 02:21

Tgt Ion	Ratio	Lower	Upper
178	100		
179	16.8	12.6	19.0
176	18.7	14.9	22.3

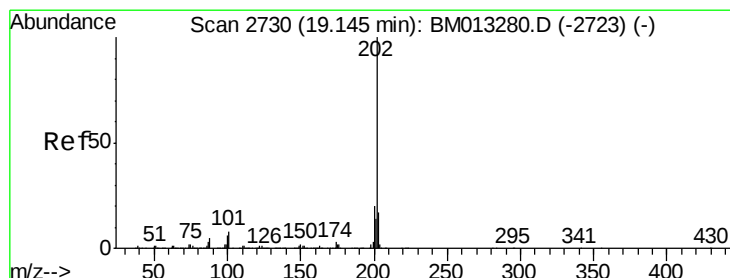
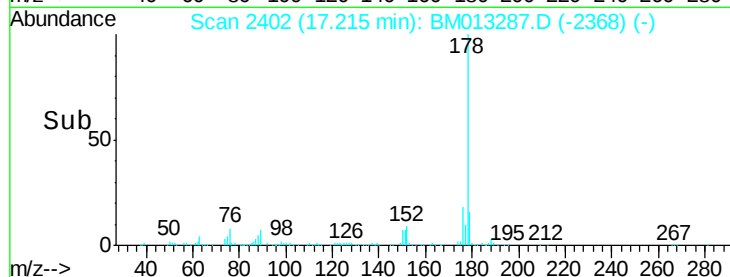
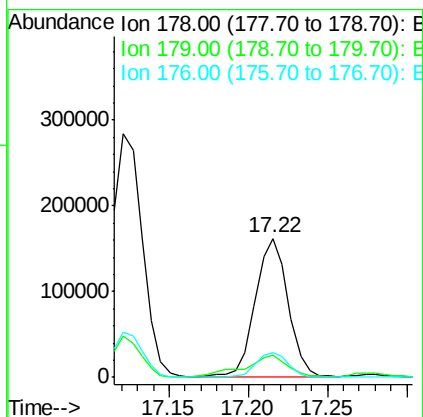
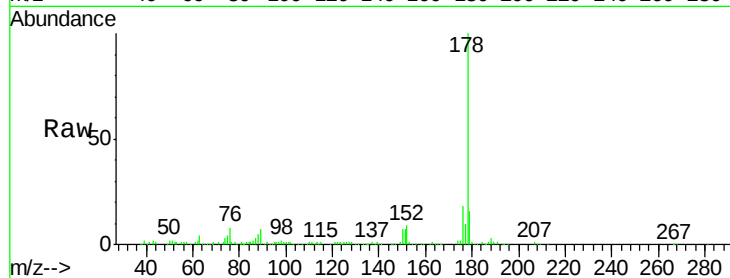




#71
 Anthracene
 Concen: 3.219 ng/ul
 RT: 17.22 min Scan# 2402
 Delta R.T. 0.00 min
 Lab File: BM013287.D
 Acq: 09 Dec 2017 02:21

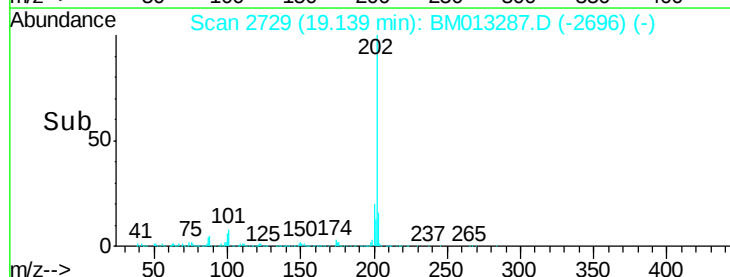
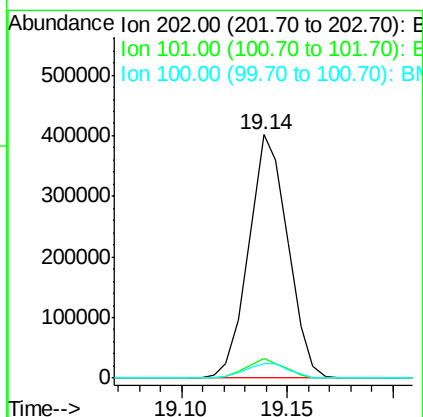
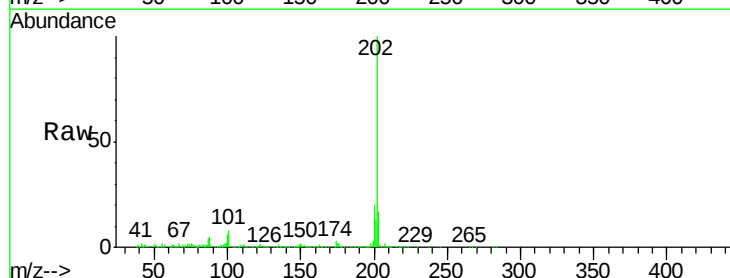
Instrument :
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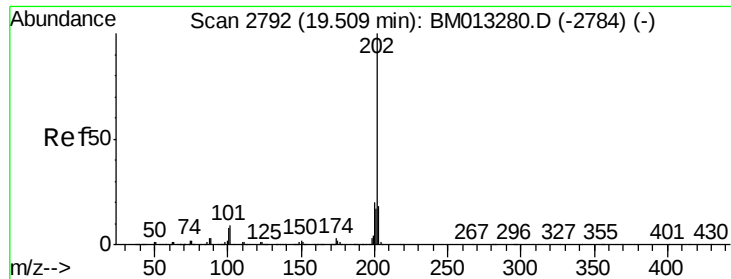
Tot Ion:178 Resp: 235148
 Ion Ratio Lower Upper
 178 100
 179 16.0 11.7 17.5
 176 18.0 14.6 21.8



#74
 Fluoranthene
 Concen: 5.904 ng/ul
 RT: 19.14 min Scan# 2729
 Delta R.T. -0.01 min
 Lab File: BM013287.D
 Acq: 09 Dec 2017 02:21

Tgt Ion:202 Resp: 517092
 Ion Ratio Lower Upper
 202 100
 101 7.9 4.6 7.0#
 100 6.1 3.4 5.2#





#77

Pvrene

Concen: 4.887 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. -0.01 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Instrument :

BNA_M

ClientSampleId :

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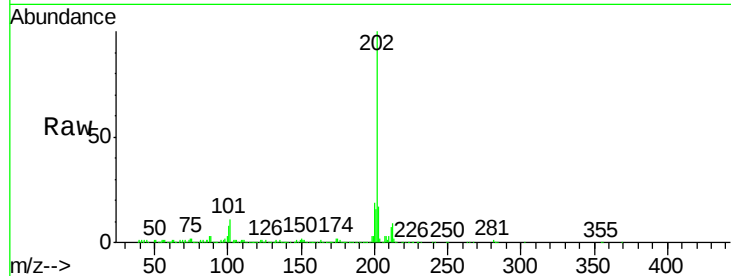
Tot Ion:202 Resp: 442555

Ion Ratio Lower Upper

202 100

101 10.9 5.1 7.7#

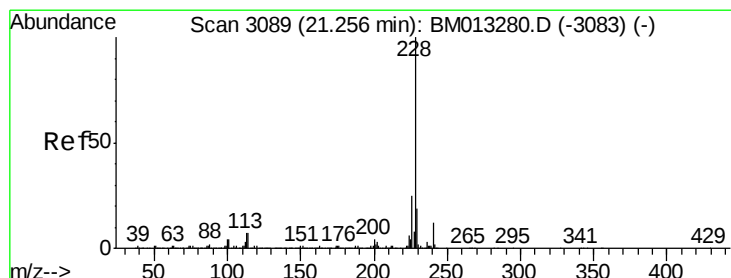
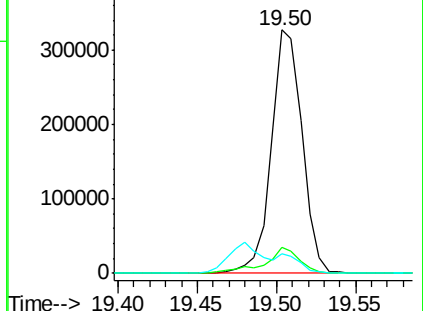
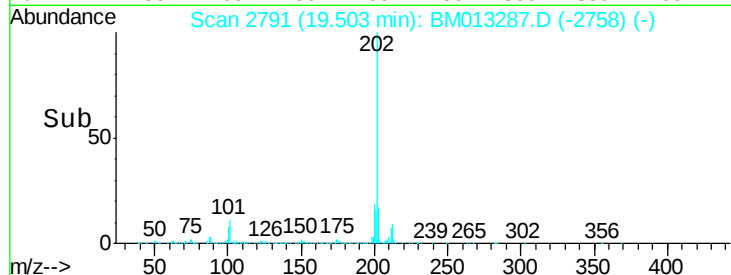
100 8.3 4.9 7.3#



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: 1.043 ng/ul

RT: 21.26 min Scan# 3089

Delta R.T. 0.00 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

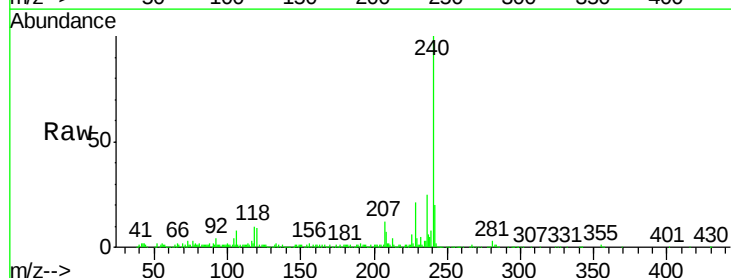
Tgt Ion:228 Resp: 98625

Ion Ratio Lower Upper

228 100

229 19.2 15.4 23.0

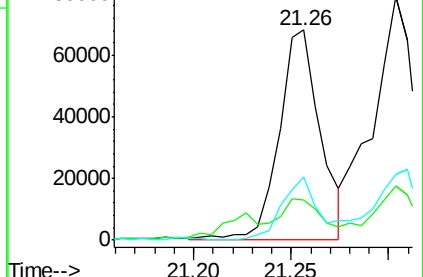
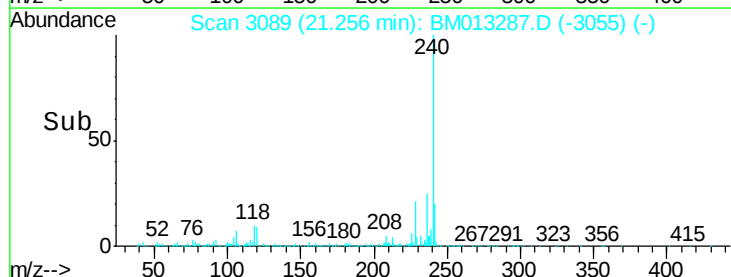
226 30.1 21.4 32.0

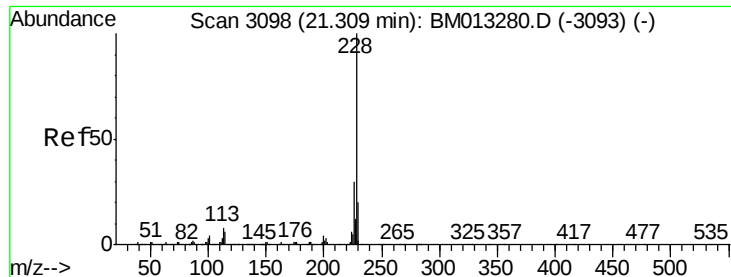


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 1.360 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. -0.01 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Instrument :

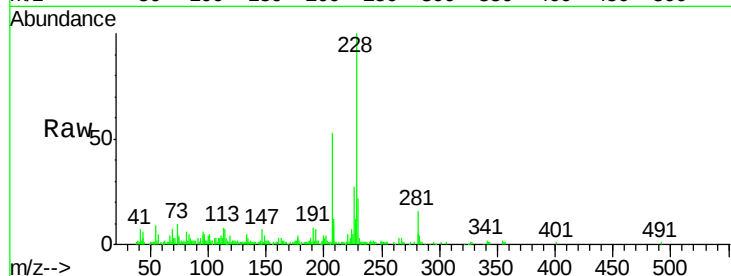
BNA_M

ClientSampleId :

F9A28

Tot Ion:228 Resp: 119290

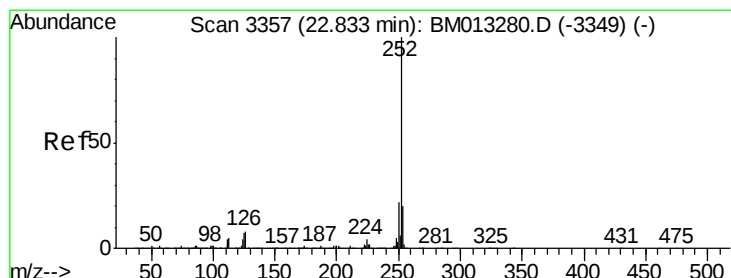
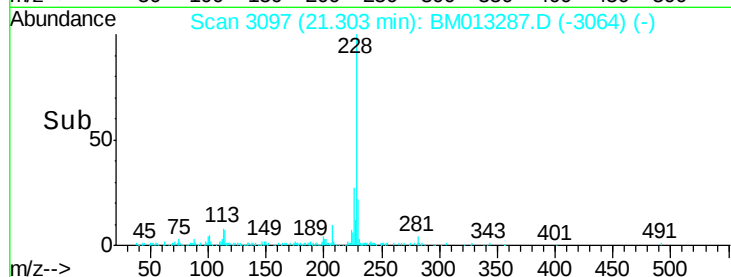
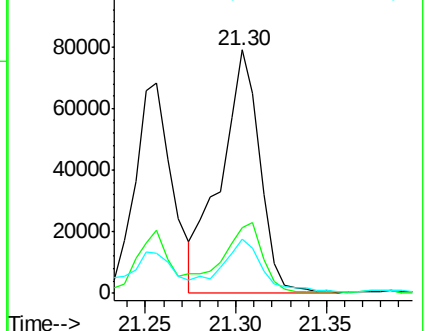
Ion	Ratio	Lower	Upper
228	100		
226	27.1	23.4	35.2
229	22.2	15.5	23.3



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#85

Benzo(b)fluoranthene

Concen: 1.278 ng/ul

RT: 22.83 min Scan# 3356

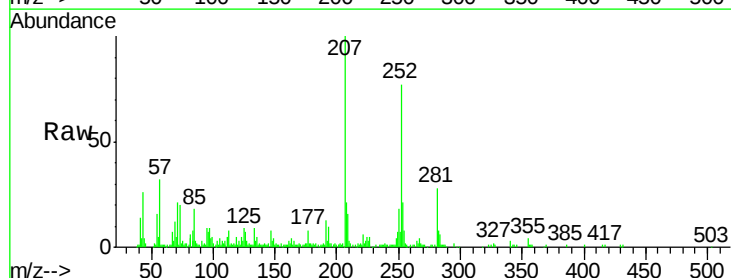
Delta R.T. -0.01 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Tgt Ion:252 Resp: 122788

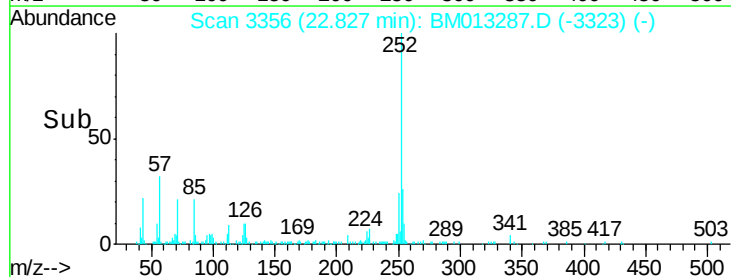
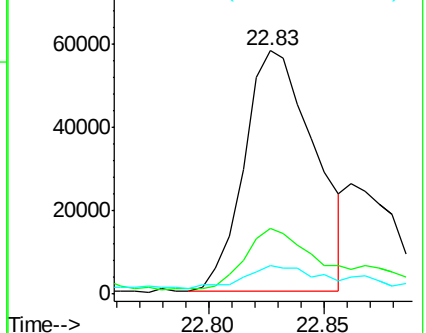
Ion	Ratio	Lower	Upper
252	100		
253	27.1	17.9	26.9#
125	11.8	3.6	5.4#

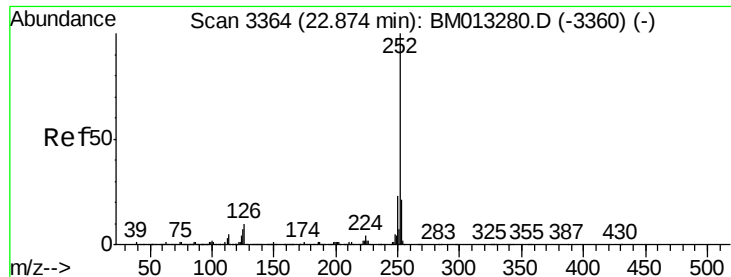


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 1.358 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM013287.D

Acq: 09 Dec 2017 02:21

Instrument :

BNA_M

ClientSampleId :

F9A28

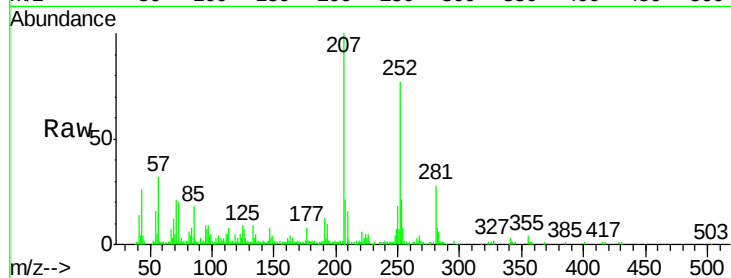
Tot Ion:252 Resp: 122788

Ion Ratio Lower Upper

252 100

253 27.1 17.1 25.7#

125 11.8 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

