

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023322.D
 Acq On : 22 Oct 2019 17:09
 Operator : JU
 Sample : K5345-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 22 18:19:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 11:39:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	333184	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1343288	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	840158	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1818103	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1885965	20.00	ng/ul	0.01
86) Perylene-d12	23.31	264	2931129	20.00	ng/ul	-0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	25580	3.38	ng/uL	0.00
5) Phenol-d5	6.82	99	520562	17.94	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	287179	17.49	ng/ul	0.00
9) 2-Chlorophenol-d4	7.18	132	417852	18.81	ng/ul	0.00
13) 4-Methylphenol-d8	8.35	113	425651	18.26	ng/ul	0.00
19) Nitrobenzene-d5	8.79	128	189924	20.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.51	143	204874	23.68	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.05	165	454493	20.65	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	501778	18.74	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1484671	23.06	ng/ul	0.00
47) Acenaphthylene-d8	13.98	160	1651324	21.87	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	219875	21.10	ng/ul	0.00
58) Fluorene-d10	15.29	176	1301960	23.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.40	200	181533	25.18	ng/ul	0.00
71) Anthracene-d10	17.13	188	2152162	24.55	ng/ul	0.00
79) Pyrene-d10	19.43	212	2407111	26.36	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.31	264	2924844	19.69	ng/ul	0.02

Target Compounds

					Ovalue
6) Phenol	6.85	94	654670	21.877	ng/ul 98
10) 2-Chlorophenol	7.21	128	462516	19.926	ng/ul 97
15) N-Nitroso-di-n-propylamine	8.45	70	358564	17.864	ng/ul 96
28) Naphthalene	10.47	128	932378	13.429	ng/ul 99
33) 4-Chloro-3-methylphenol	11.72	107	582730	23.649	ng/ul 99
34) 2-Methylnaphthalene	12.10	142	150602	2.915	ng/ul 100
35) 1-Methylnaphthalene	12.32	142	108048	2.161	ng/ul 95
45) Dimethylphthalate	13.76	163	339038	5.261	ng/ul 99
48) Acenaphthylene	14.01	152	1807141	23.406	ng/ul 99
50) Acenaphthene	14.36	153	1687195	31.382	ng/ul 99
53) 4-Nitrophenol	14.50	109	217674	23.184	ng/ul 92
54) Dibenzofuran	14.69	168	307213	4.025	ng/ul 97
55) 2,4-Dinitrotoluene	14.66	165	482355	32.592	ng/ul 96
59) Fluorene	15.34	166	264396	4.222	ng/ul 98
69) Pentachlorophenol	16.69	266	230592	16.538	ng/ul 99
70) Phenanthrene	17.08	178	2186966	21.434	ng/ul 99
72) Anthracene	17.17	178	4540829	43.067	ng/ul 100
75) Carbazole	17.44	167	767334	8.146	ng/ul 99
77) Fluoranthene	19.10	202	10257133	84.527	ng/ul 99
80) Pyrene	19.47	202	12799996	108.339	ng/ul 95
83) Benzo(a)anthracene	21.22	228	8307056	65.006	ng/ul 93
84) Bis(2-ethylhexyl)phthalate	21.17	149	66089	1.011	ng/ul 97
85) Chrysene	21.27	228	12490687	105.268	ng/ul 95

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QLast Update : Tue Oct 22 11:39:35 2019
Response via : Initial Calibration

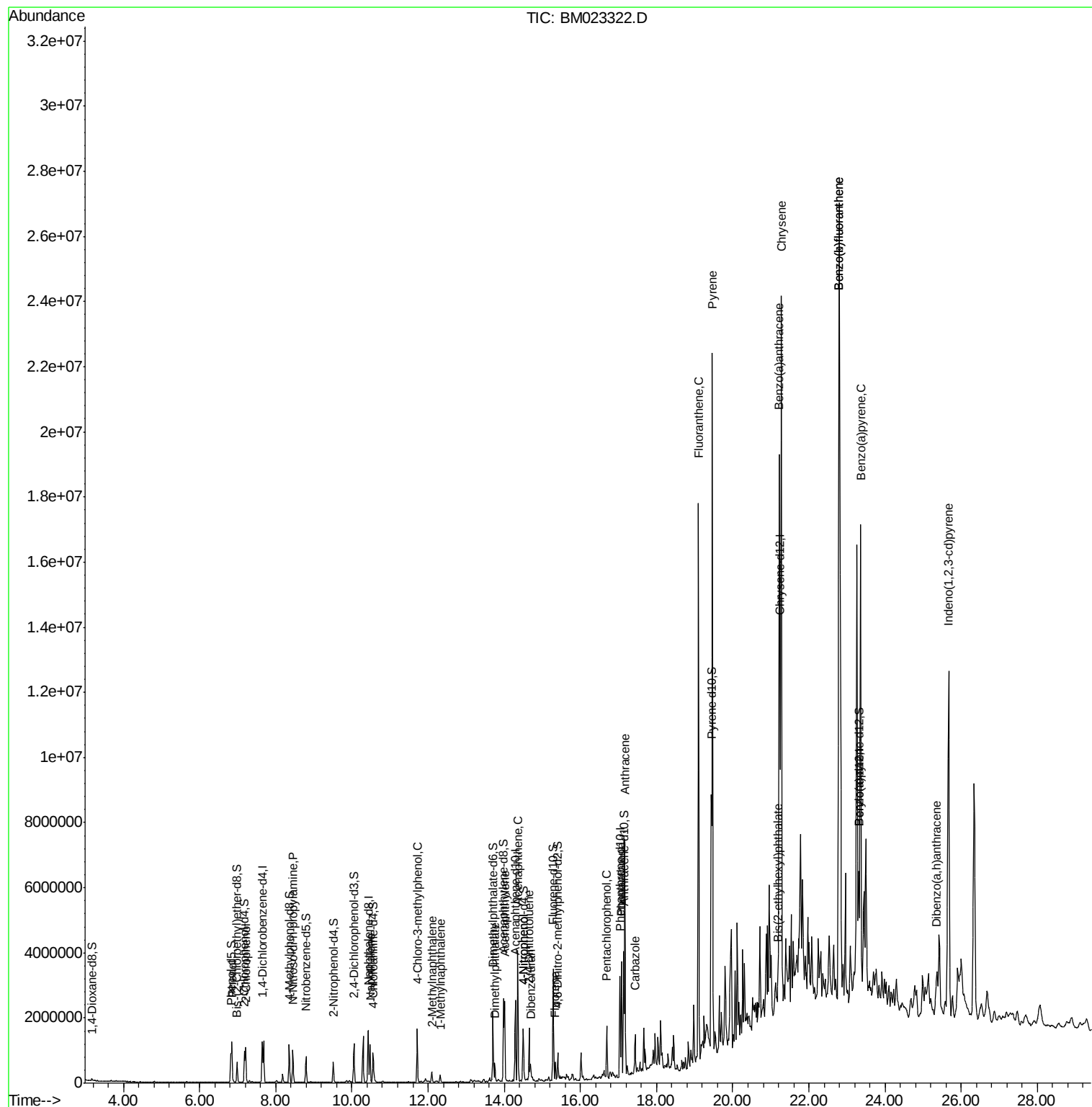
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) Benzo(b)fluoranthene	22.80	252	20855492	117.353	ng/ul	93
89) Benzo(k)fluoranthene	22.80	252	20855492	122.215	ng/ul	93
91) Benzo(a)pyrene	23.36	252	10546160	61.854	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.67	276	8564334	42.223	ng/ul	96
93) Dibenzo(a,h)anthracene	25.36	278	1250418	7.373	ng/ul	97

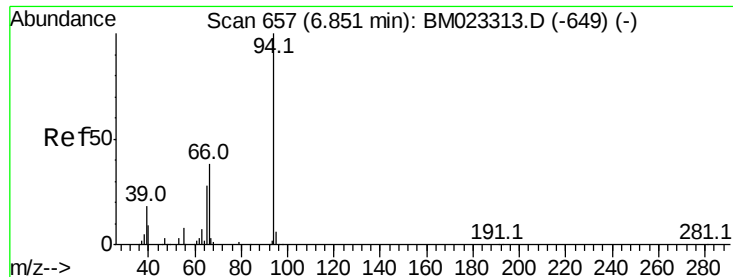
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 21.877 ng/ul

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

Instrument :

BNA_M

ClientSampleId :

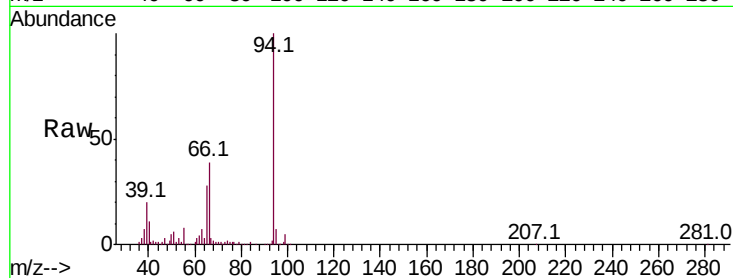
Tot Ion: 94 Resp: 654670

Ion Ratio Lower Upper

94 100

65 28.3 23.2 34.8

66 39.2 32.9 49.3

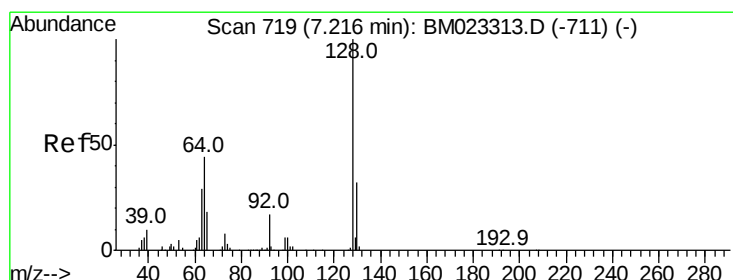
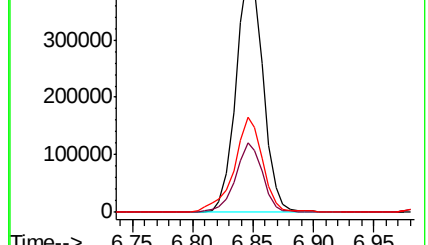
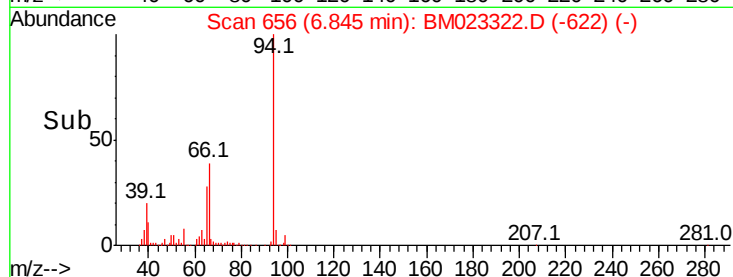


Abundance Ion 94.00 (93.70 to 94.70): BM023313.D (-649) (-)

Ion 65.00 (64.70 to 65.70): BM023313.D (-649) (-)

Ion 66.00 (65.70 to 66.70): BM023313.D (-649) (-)

6.85



#10

2-Chlorophenol

Concen: 19.926 ng/ul

RT: 7.21 min Scan# 718

Delta R.T. -0.00 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

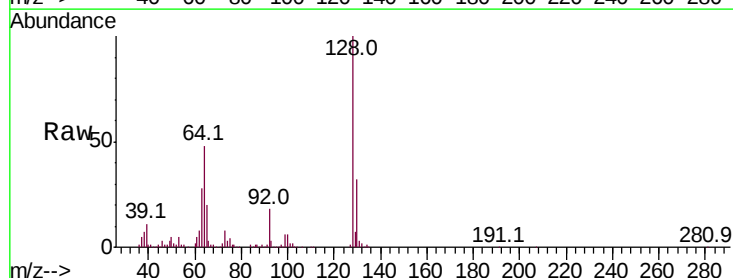
Tgt Ion:128 Resp: 462516

Ion Ratio Lower Upper

128 100

64 47.6 40.3 60.5

130 32.1 24.7 37.1

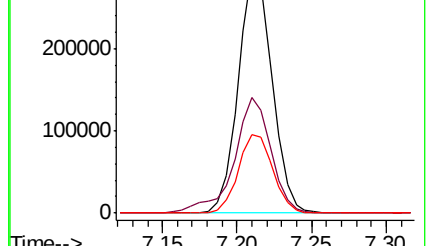
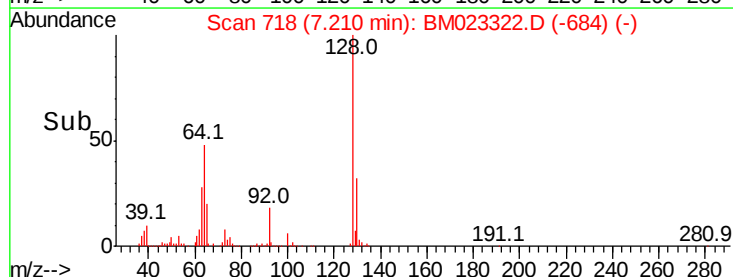


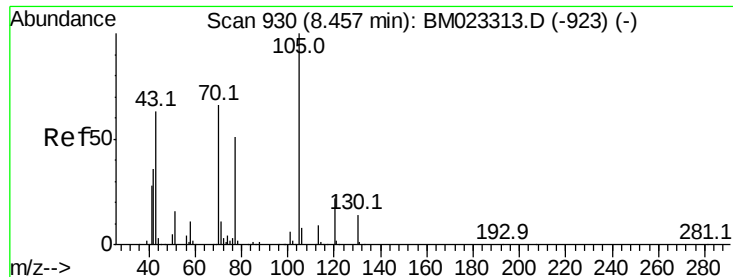
Abundance Ion 128.00 (127.70 to 128.70): BM023313.D (-711) (-)

Ion 64.00 (63.70 to 64.70): BM023313.D (-711) (-)

Ion 130.00 (129.70 to 130.70): BM023313.D (-711) (-)

7.21





#15

N-Nitroso-di-n-propylamine

Concen: 17.864 ng/ul

RT: 8.45 min Scan# 929

Delta R.T. -0.01 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 358564

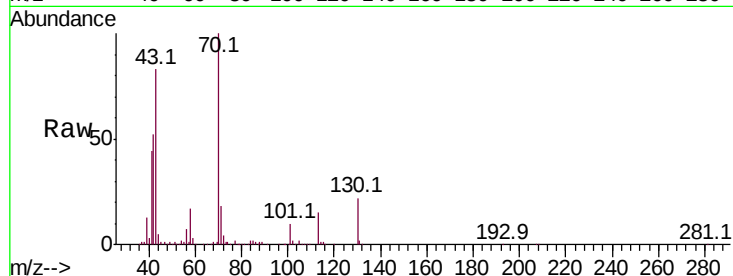
Ion Ratio Lower Upper

70 100

42 52.0 44.9 67.3

101 10.1 7.9 11.9

130 22.0 17.1 25.7

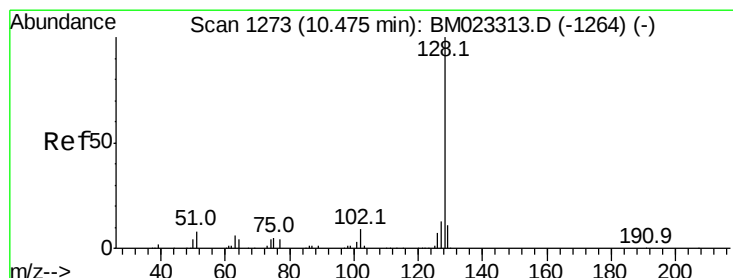
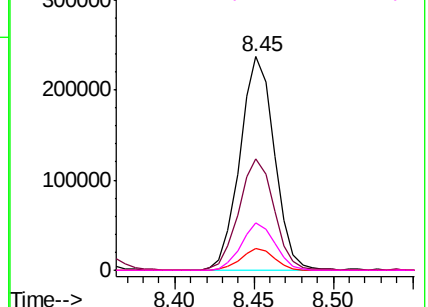
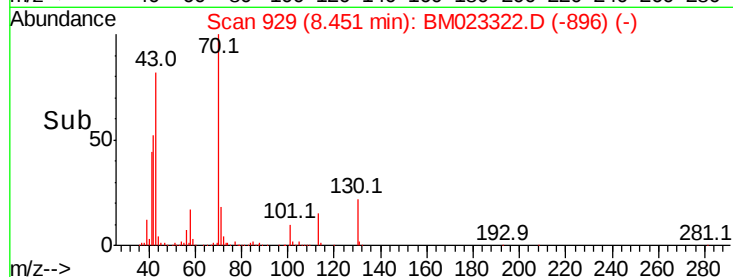


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#28

Naphthalene

Concen: 13.429 ng/ul

RT: 10.47 min Scan# 1273

Delta R.T. -0.00 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

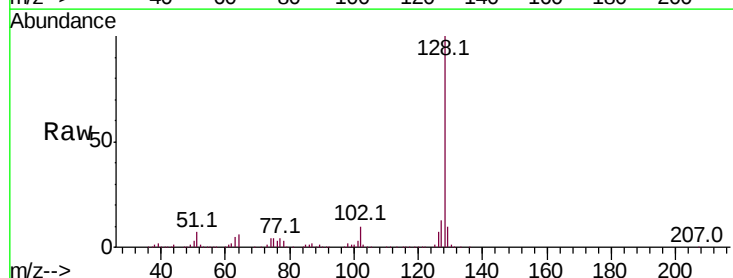
Tgt Ion:128 Resp: 932378

Ion Ratio Lower Upper

128 100

129 10.3 8.8 13.2

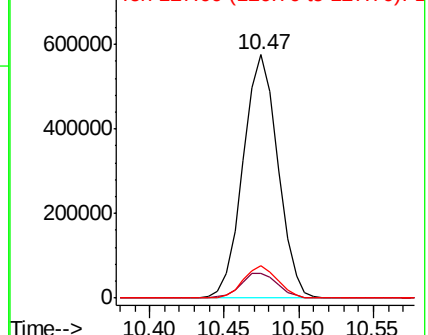
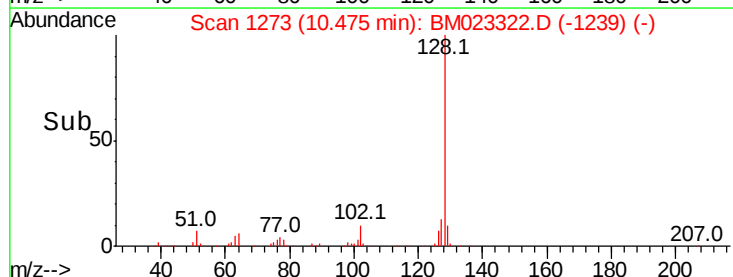
127 13.2 10.2 15.4

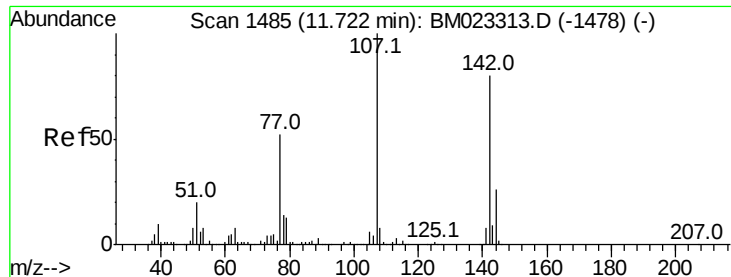


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

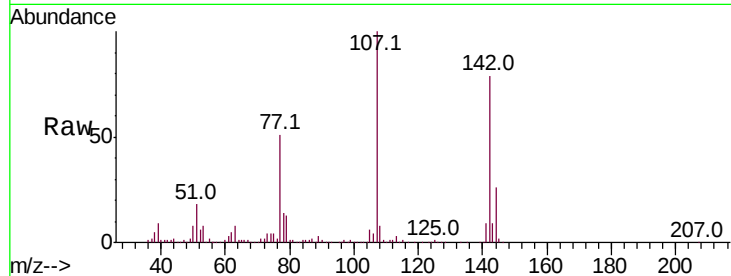




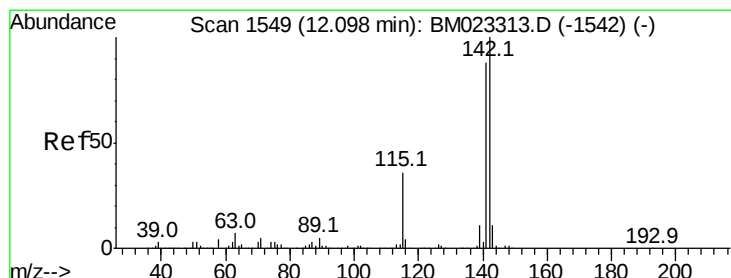
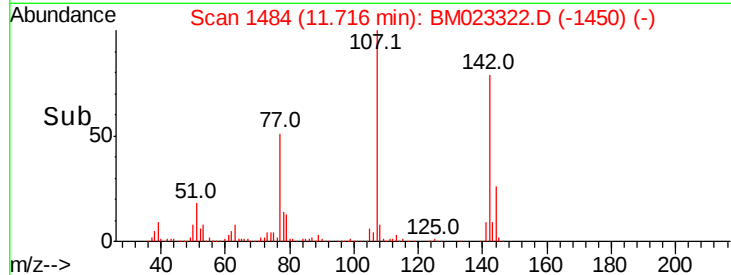
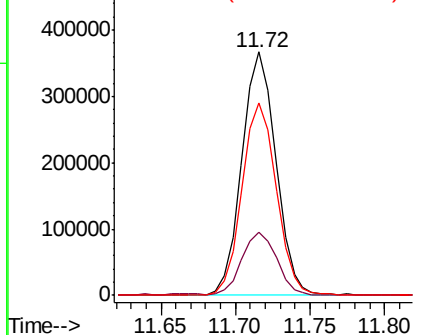
#33
4-Chloro-3-methylphenol
Concen: 23.649 ng/ul
RT: 11.72 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BM023322.D
Acq: 22 Oct 2019 17:09

Instrument :
BNA_M
ClientSampled :

Tot Ion:107 Resp: 582730
Ion Ratio Lower Upper
107 100
144 26.2 20.0 30.0
142 79.0 62.5 93.7

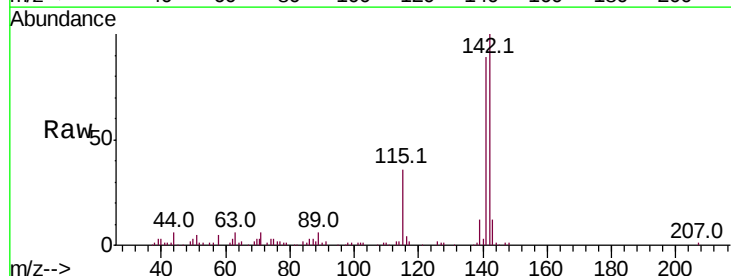


Abundance Ion 107.00 (106.70 to 107.70): E
500000
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E

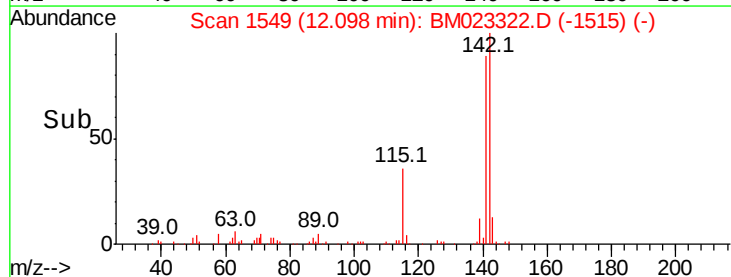
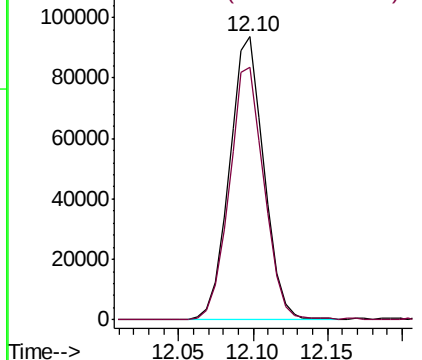


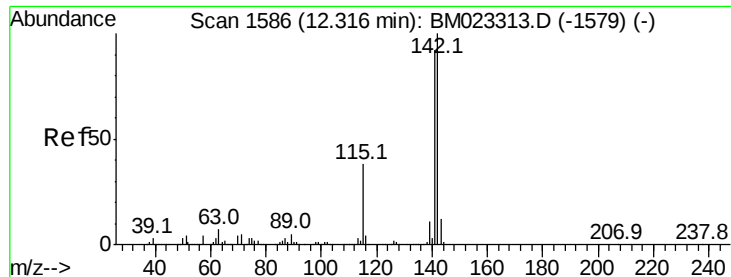
#34
2-Methylnaphthalene
Concen: 2.915 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. -0.00 min
Lab File: BM023322.D
Acq: 22 Oct 2019 17:09

Tgt Ion:142 Resp: 150602
Ion Ratio Lower Upper
142 100
141 89.1 71.4 107.0



Abundance Ion 142.00 (141.70 to 142.70): E
100000
Ion 141.00 (140.70 to 141.70): E

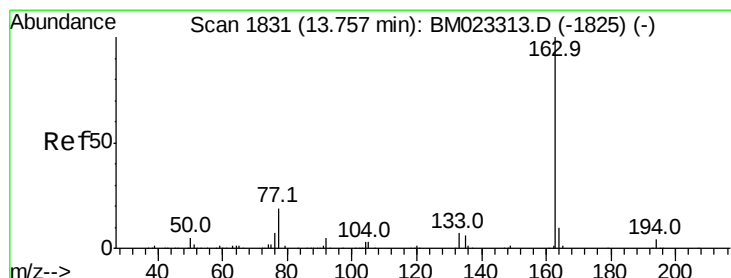
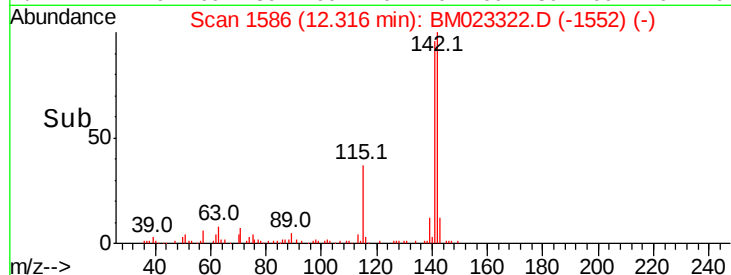
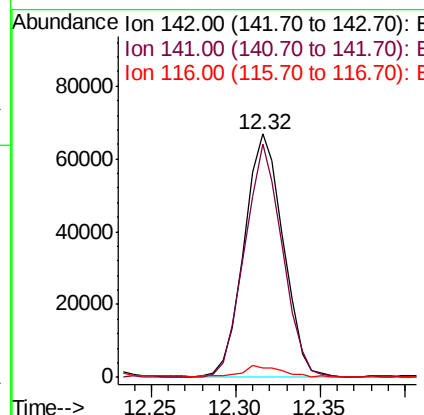
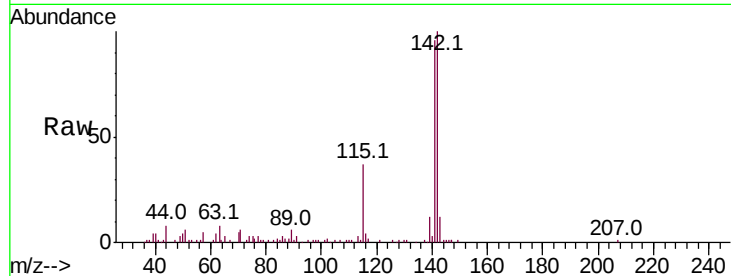




#35
 1-Methylnaphthalene
 Concen: 2.161 ng/ul
 RT: 12.32 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

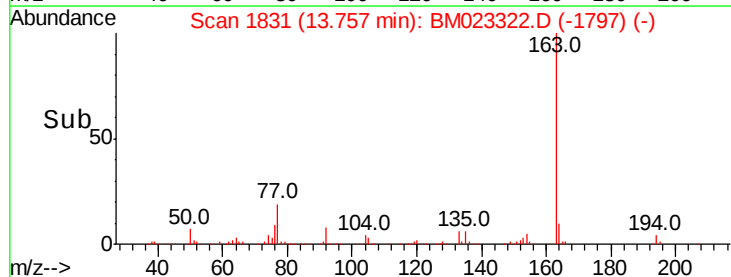
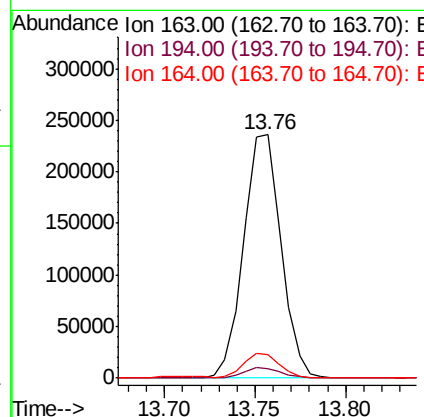
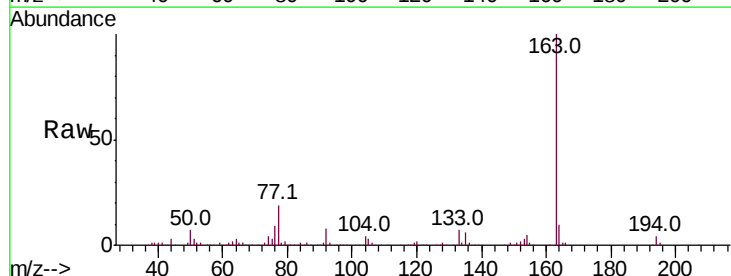
Instrument :
 BNA_M
 ClientSampleId :

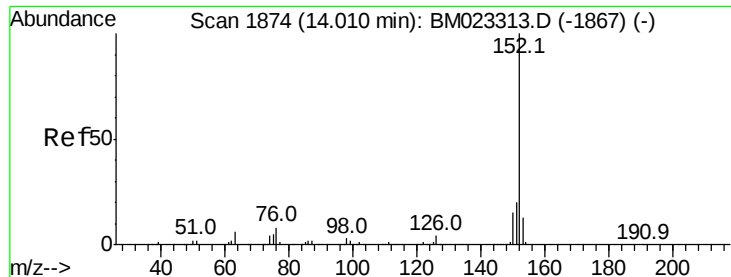
Tot Ion	Ratio	Lower	Upper
142	100		
141	95.9	73.0	109.6
116	3.9	3.0	4.4



#45
 Dimethylphthalate
 Concen: 5.261 ng/ul
 RT: 13.76 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.2
164	9.6	7.8	11.6





#48

Acenaphthylene

Concen: 23.406 ng/ul

RT: 14.01 min Scan# 1874

Delta R.T. -0.00 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

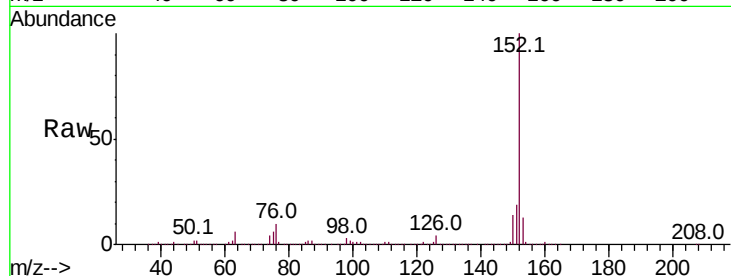
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 1807141

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	13.2	10.3	15.5

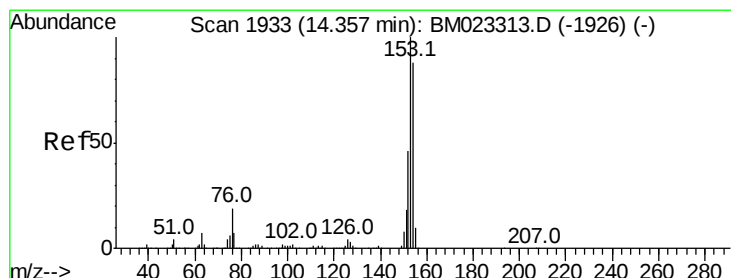
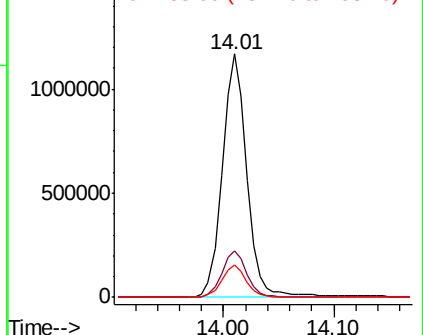
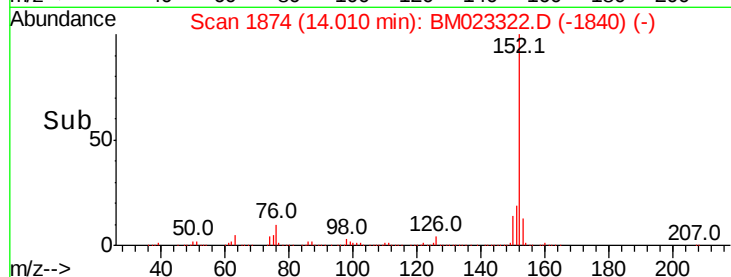


Abundance

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



#50

Acenaphthene

Concen: 31.382 ng/ul

RT: 14.36 min Scan# 1933

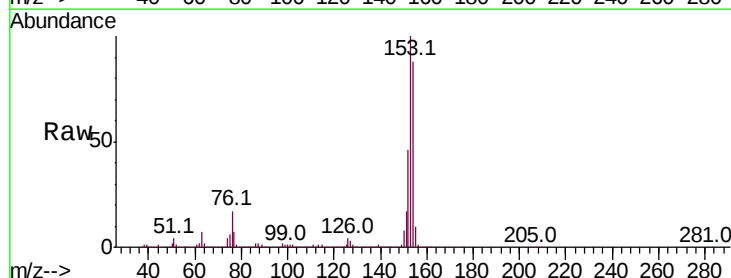
Delta R.T. -0.00 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

Tgt Ion:153 Resp: 1687195

Ion	Ratio	Lower	Upper
153	100		
152	45.9	37.4	56.0
154	88.1	70.7	106.1

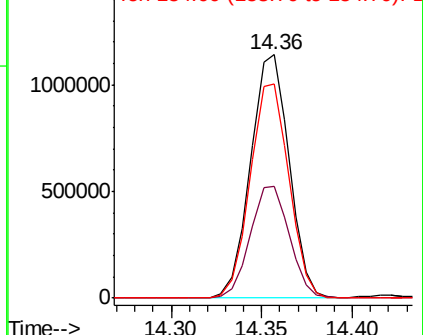
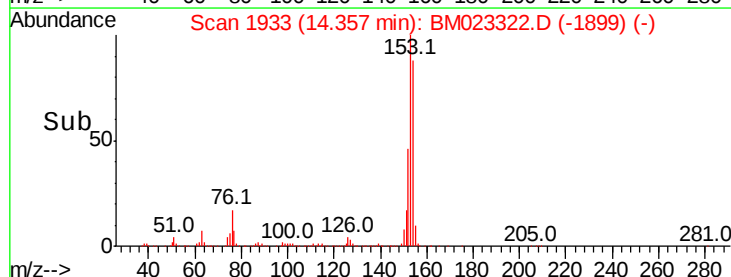


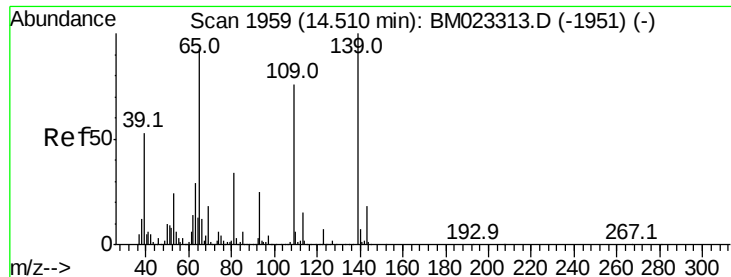
Abundance

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

4-Nitrophenol

Concen: 23.184 ng/ul

RT: 14.50 min Scan# 1958

Delta R.T. -0.00 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

Instrument :

BNA_M

ClientSampled :

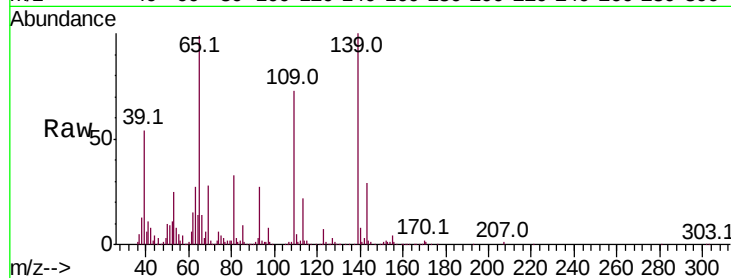
Tot Ion:109 Resp: 217674

Ion Ratio Lower Upper

109 100

139 137.2 101.5 152.3

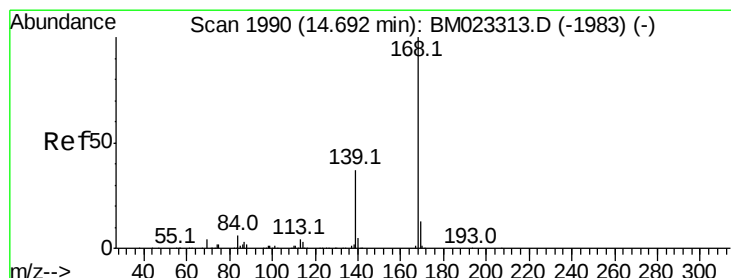
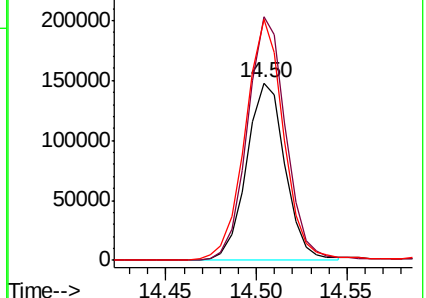
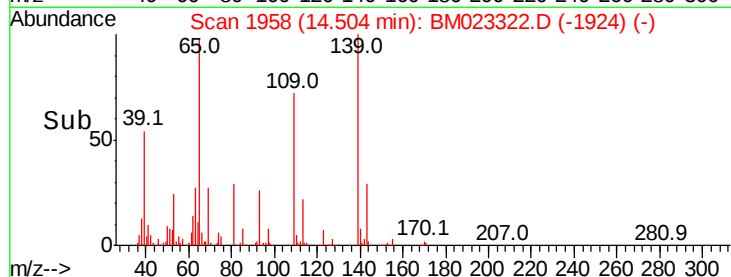
65 135.6 102.5 153.7



Abundance Ion 109.00 (108.70 to 109.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 65.00 (64.70 to 65.70): BMC



#54

Dibenzofuran

Concen: 4.025 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. -0.00 min

Lab File: BM023322.D

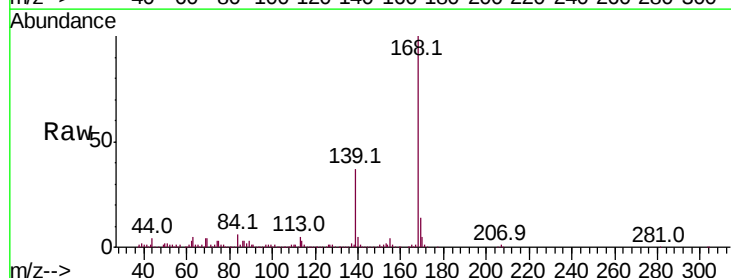
Acq: 22 Oct 2019 17:09

Tgt Ion:168 Resp: 307213

Ion Ratio Lower Upper

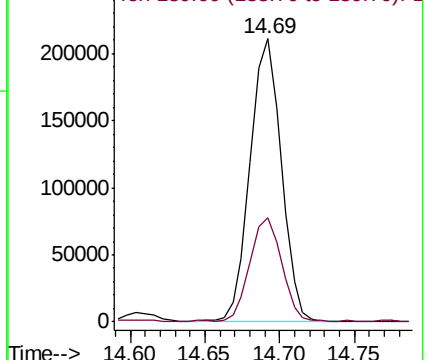
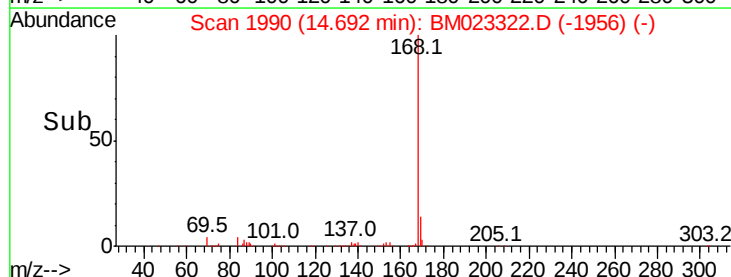
168 100

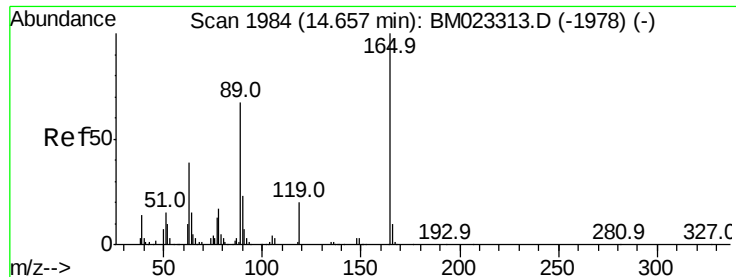
139 36.8 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

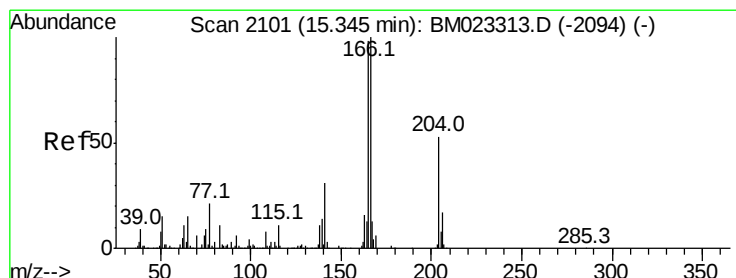
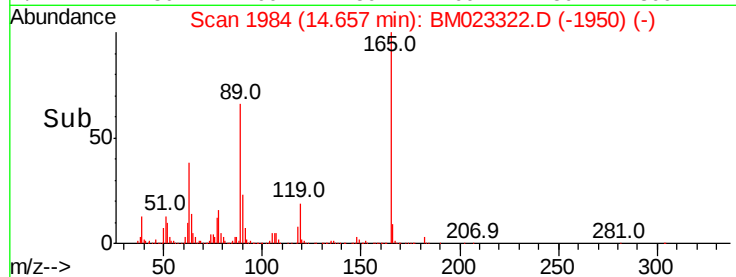
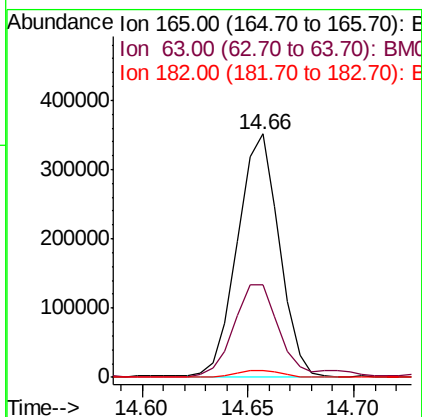
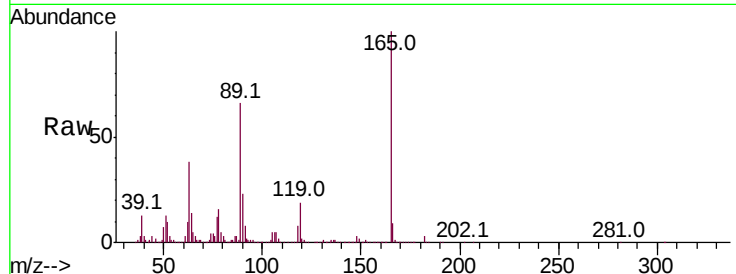




#55
 2,4-Dinitrotoluene
 Concen: 32.592 ng/ul
 RT: 14.66 min Scan# 1984
 Delta R.T. -0.00 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

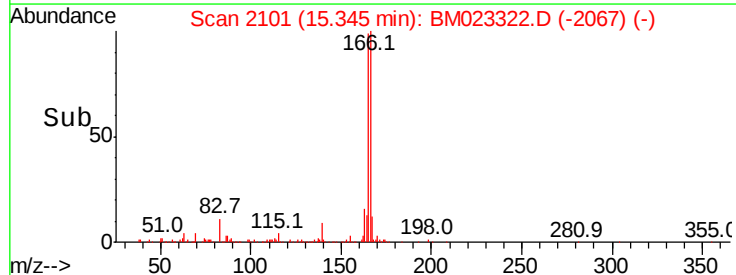
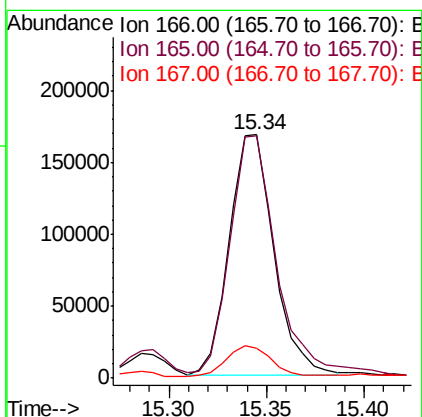
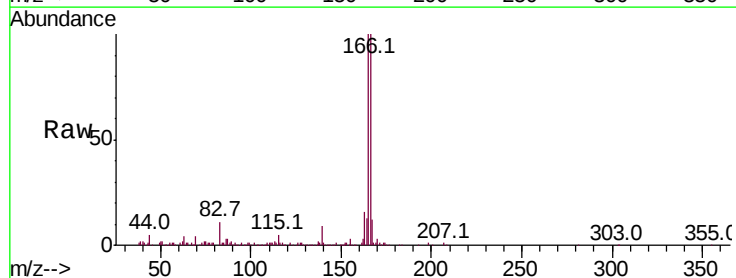
Instrument :
 BNA_M
 ClientSampleId :

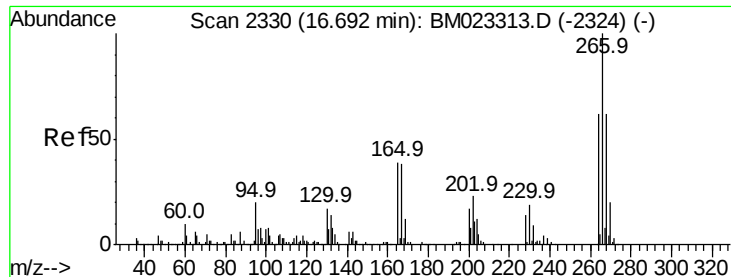
Tot Ion	Ratio	Lower	Upper
165	100		
63	37.8	32.1	48.1
182	3.0	2.2	3.4



#59
 Fluorene
 Concen: 4.222 ng/ul
 RT: 15.34 min Scan# 2101
 Delta R.T. -0.00 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.8	78.3	117.5
167	12.5	10.7	16.1

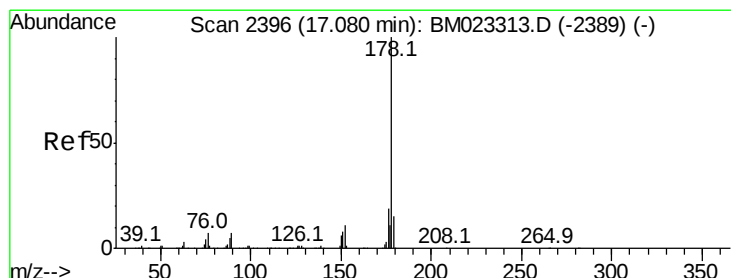
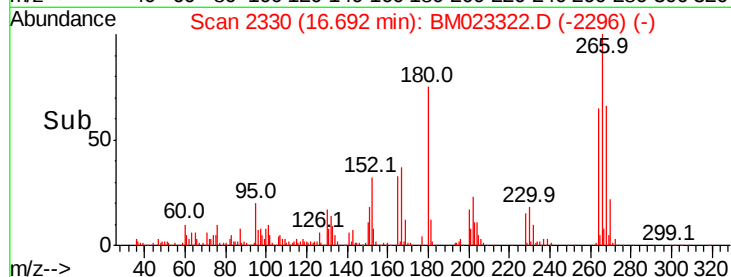
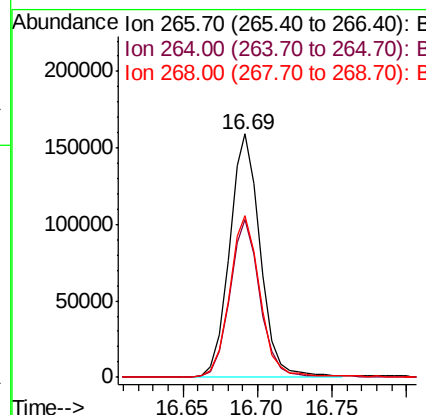
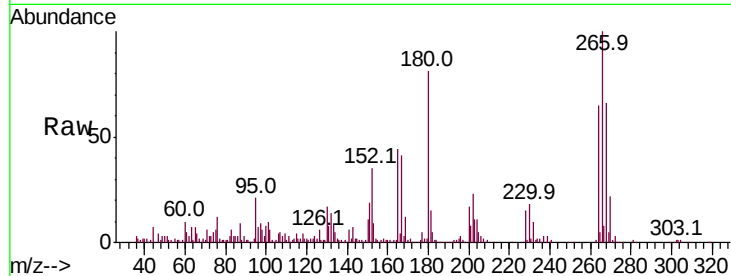




#69
 Pentachlorophenol
 Concen: 16.538 ng/ul
 RT: 16.69 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

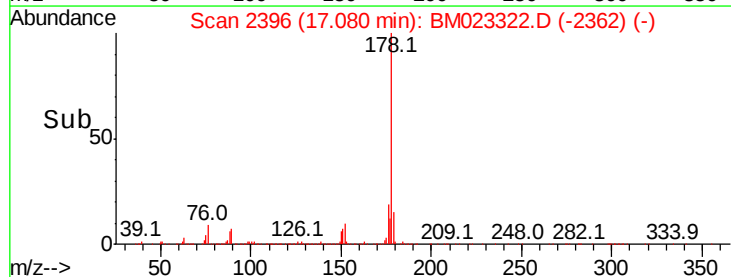
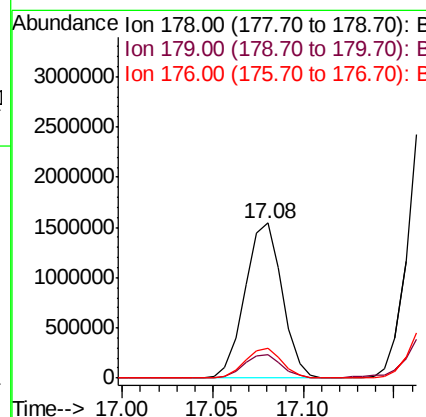
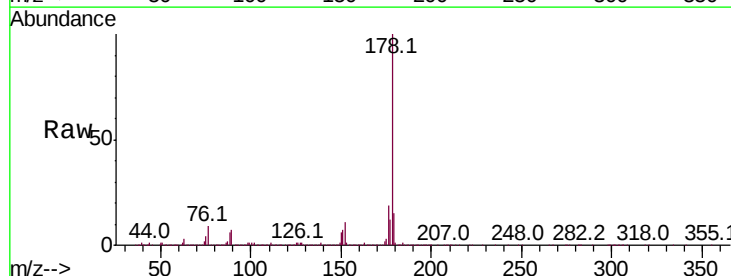
Instrument :
 BNA_M
 ClientSampleId :

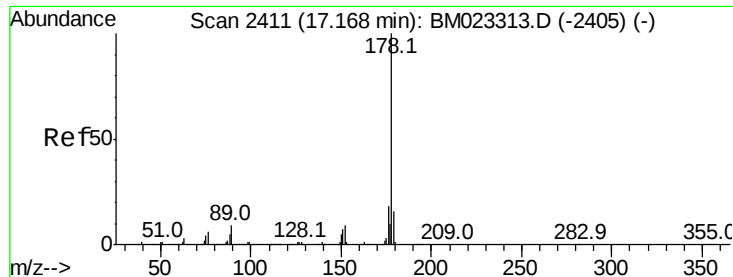
Tot Ion:266 Resp: 230592
 Ion Ratio Lower Upper
 266 100
 264 64.9 51.0 76.4
 268 66.2 52.2 78.2



#70
 Phenanthrene
 Concen: 21.434 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. -0.00 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Tgt Ion:178 Resp: 2186966
 Ion Ratio Lower Upper
 178 100
 179 15.1 11.7 17.5
 176 19.1 15.0 22.4





#72

Anthracene

Concen: 43.067 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. -0.00 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

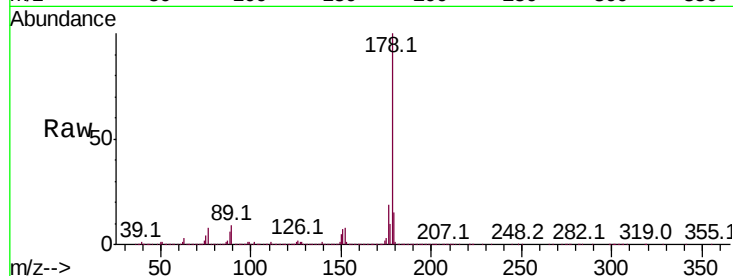
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 4540829

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7
176	18.5	14.8	22.2

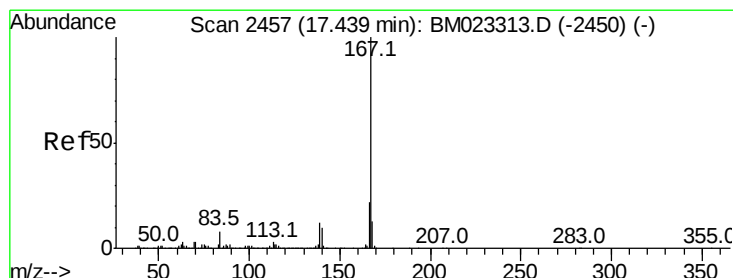
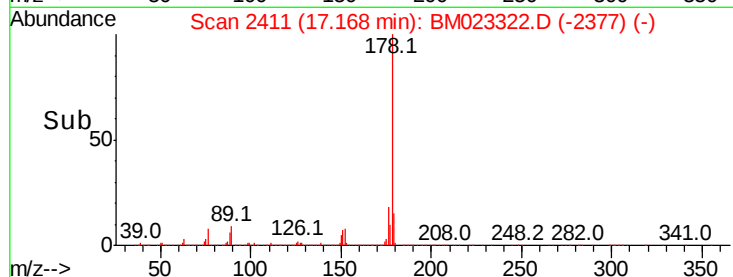
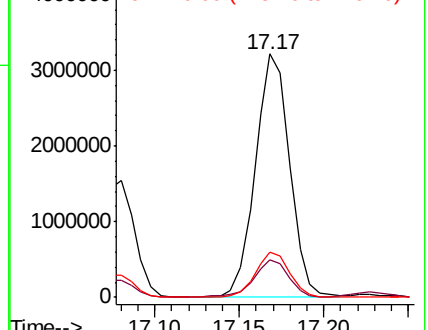


Abundance

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



#75

Carbazole

Concen: 8.146 ng/ul

RT: 17.44 min Scan# 2457

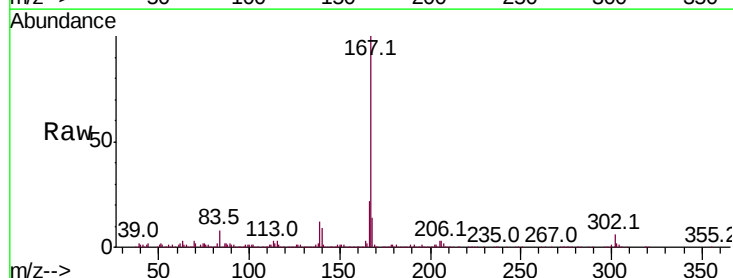
Delta R.T. 0.01 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

Tgt Ion:167 Resp: 767334

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.0	25.6
139	12.2	10.5	15.7

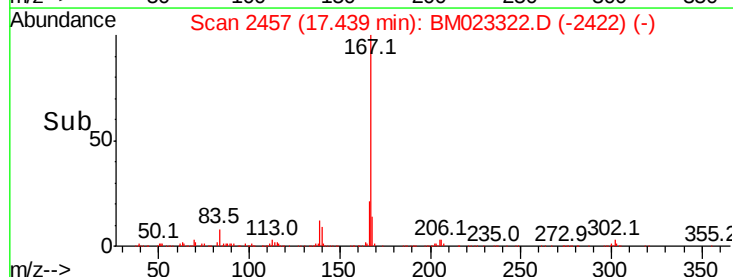
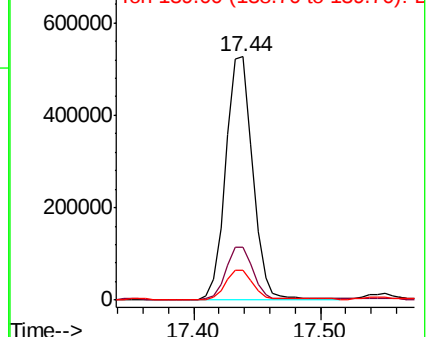


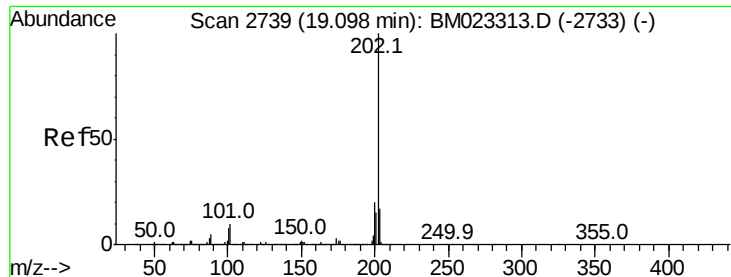
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

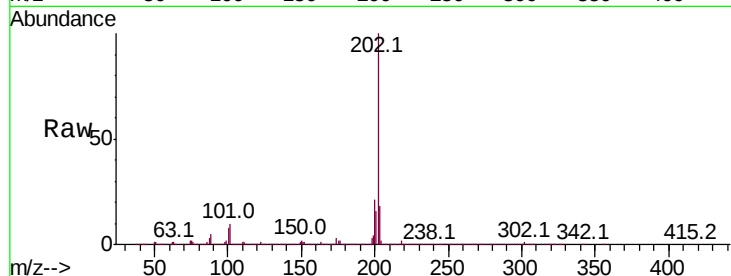




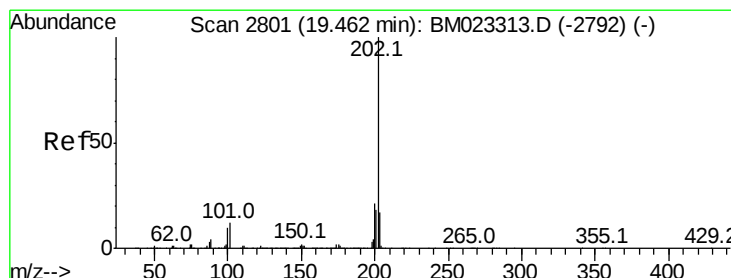
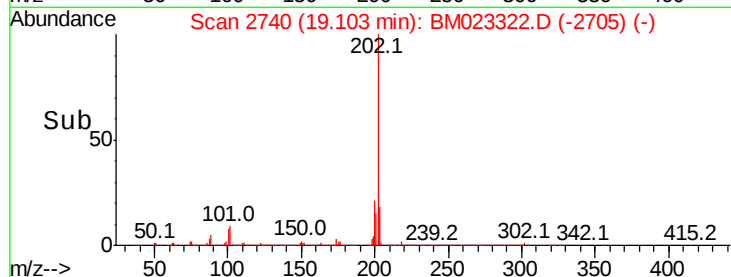
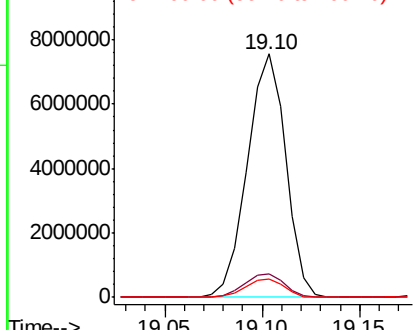
#77
 Fluoranthene
 Concen: 84.527 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. 0.01 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp:10257133
 Ion Ratio Lower Upper
 202 100
 101 9.6 8.2 12.4
 100 7.6 6.1 9.1

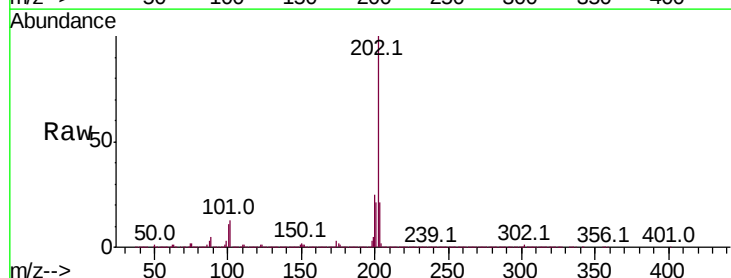


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

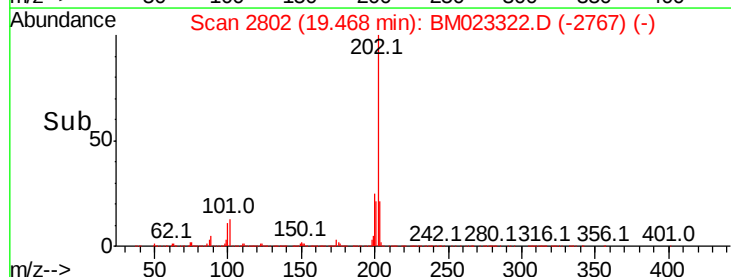
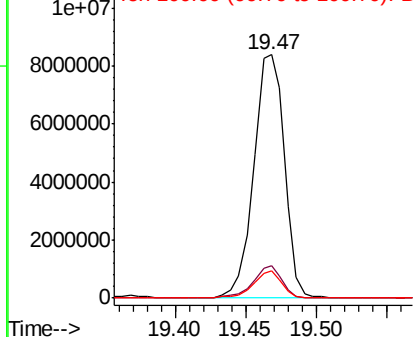


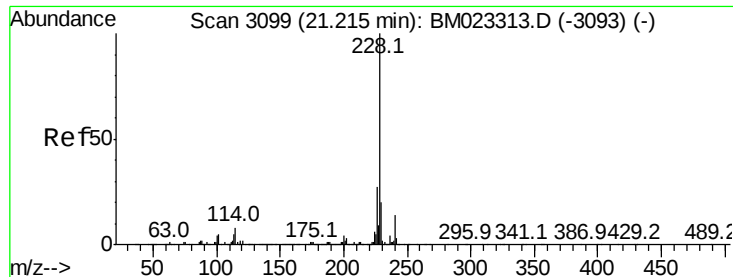
#80
 Pyrene
 Concen: 108.339 ng/ul
 RT: 19.47 min Scan# 2802
 Delta R.T. 0.01 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Tgt Ion:202 Resp:12799996
 Ion Ratio Lower Upper
 202 100
 101 13.2 9.0 13.6
 100 11.1 7.5 11.3



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



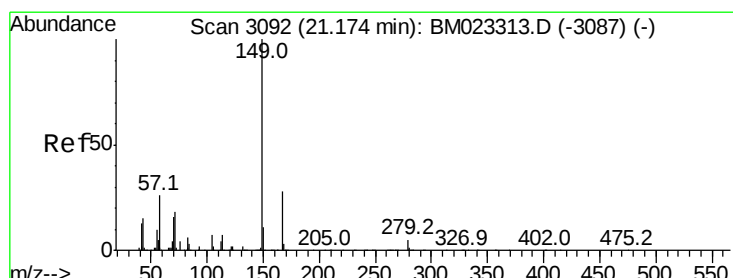
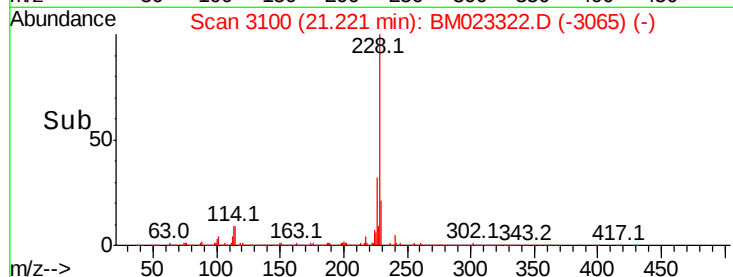
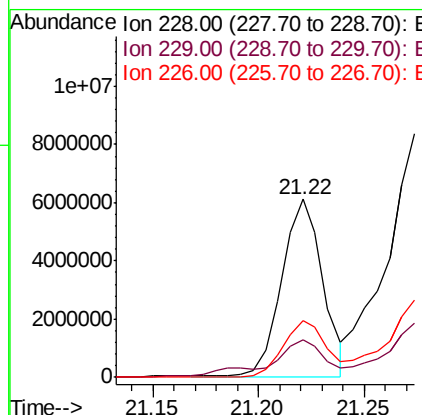
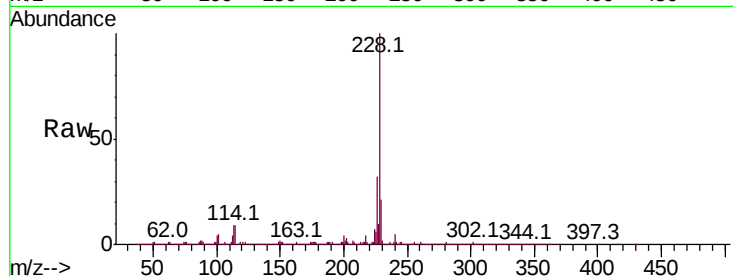


#83
 Benzo(a)anthracene
 Concen: 65.006 ng/ul
 RT: 21.22 min Scan# 3100
 Delta R.T. 0.01 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:228 Resp: 8307056

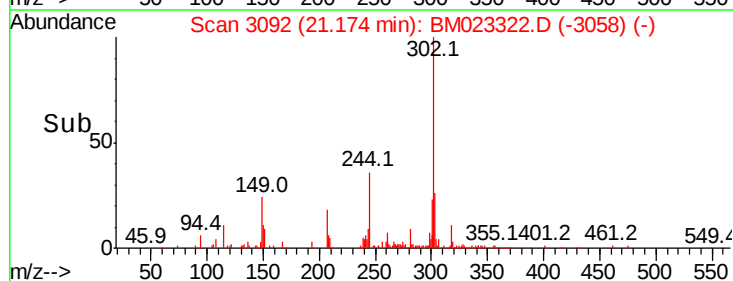
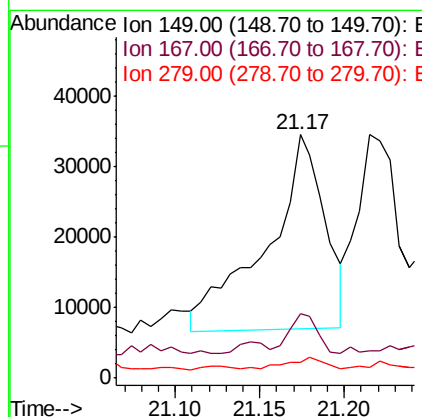
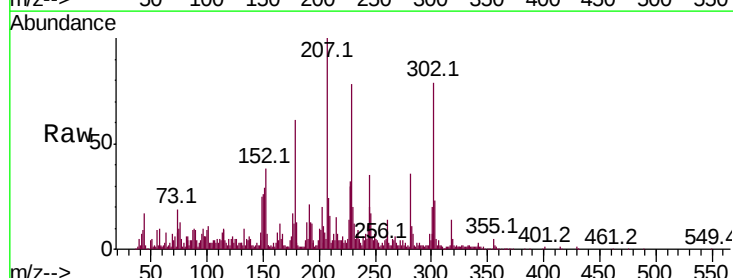
Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.8	23.8
226	31.9	21.5	32.3

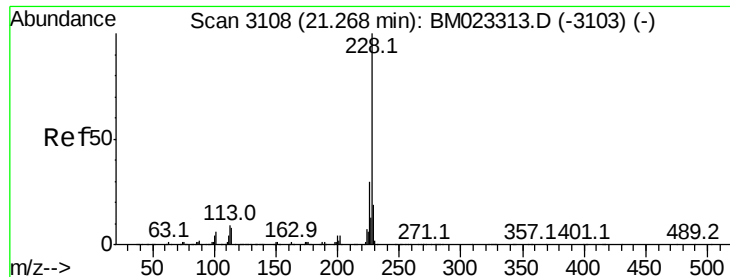


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 1.011 ng/ul
 RT: 21.17 min Scan# 3092
 Delta R.T. -0.00 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Tgt Ion:149 Resp: 66089

Ion	Ratio	Lower	Upper
149	100		
167	26.3	22.1	33.1
279	6.4	4.3	6.5



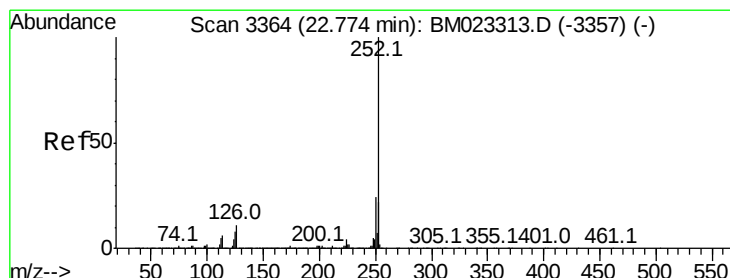
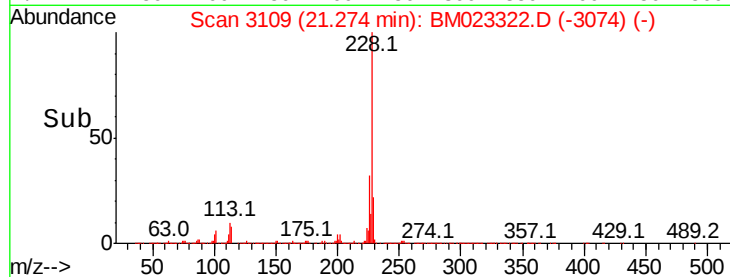
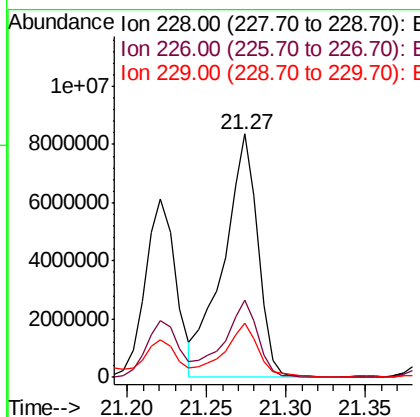
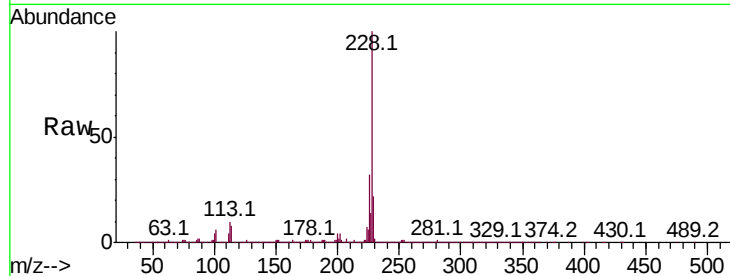


#85
 Chrysene
 Concen: 105.268 ng/ul
 RT: 21.27 min Scan# 3109
 Delta R.T. 0.01 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:228 Resp:12490687

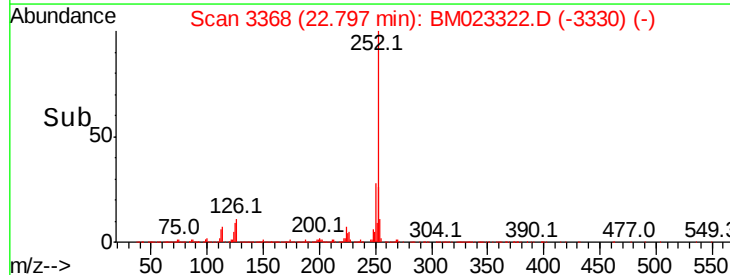
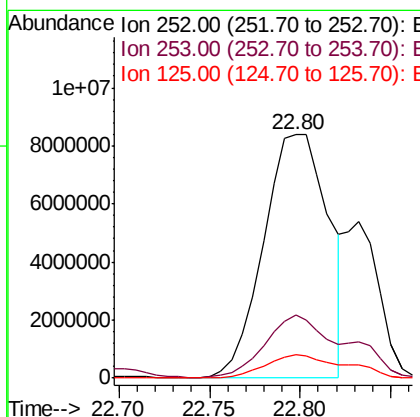
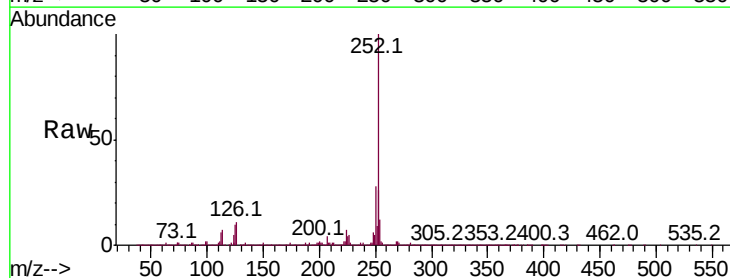
Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.4	35.0
229	22.2	15.5	23.3

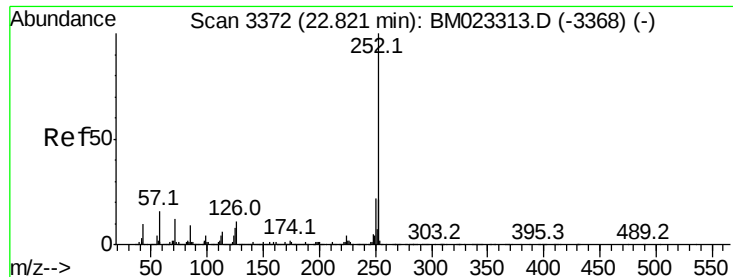


#88
 Benzo(b)fluoranthene
 Concen: 117.353 ng/ul
 RT: 22.80 min Scan# 3368
 Delta R.T. 0.02 min
 Lab File: BM023322.D
 Acq: 22 Oct 2019 17:09

Tgt Ion:252 Resp:20855492

Ion	Ratio	Lower	Upper
252	100		
253	25.9	17.3	25.9
125	9.5	7.0	10.4





#89

Benzo(k)fluoranthene

Concen: 122.215 ng/ul

RT: 22.80 min Scan# 3368

Delta R.T. -0.02 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

Instrument :

BNA_M

ClientSampleId :

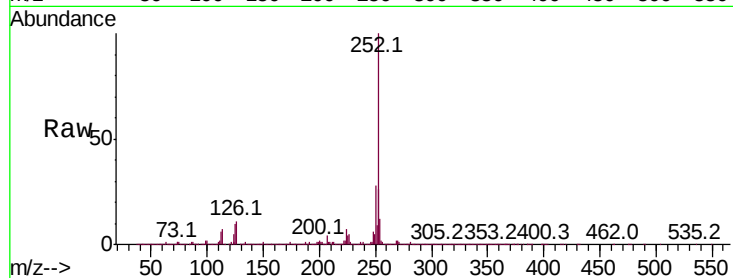
Tot Ion:252 Resp:20855492

Ion Ratio Lower Upper

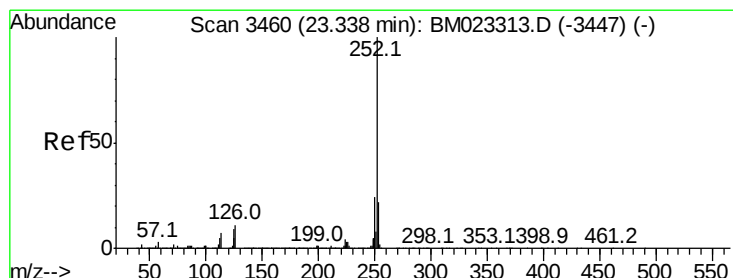
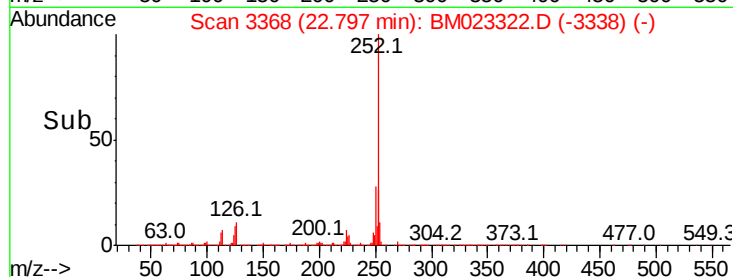
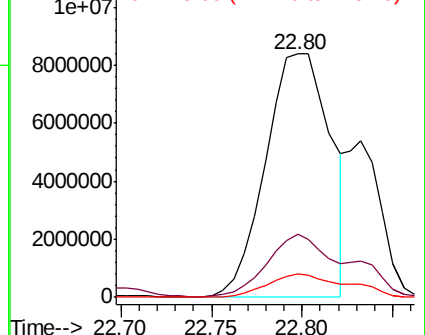
252 100

253 25.9 17.5 26.3

125 9.5 6.6 9.8



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



#91

Benzo(a)pyrene

Concen: 61.854 ng/ul

RT: 23.36 min Scan# 3463

Delta R.T. 0.02 min

Lab File: BM023322.D

Acq: 22 Oct 2019 17:09

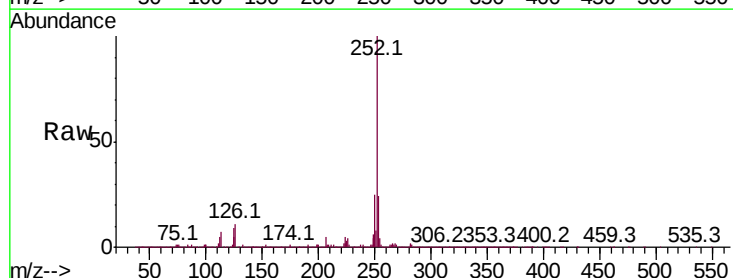
Tgt Ion:252 Resp:10546160

Ion Ratio Lower Upper

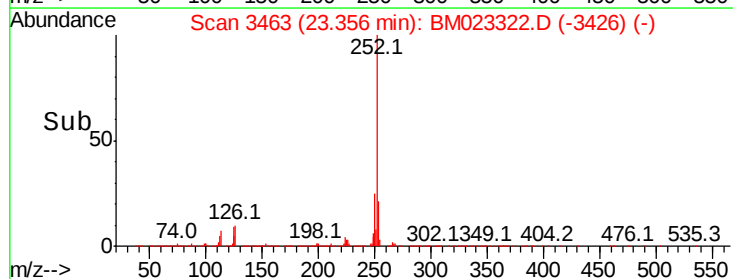
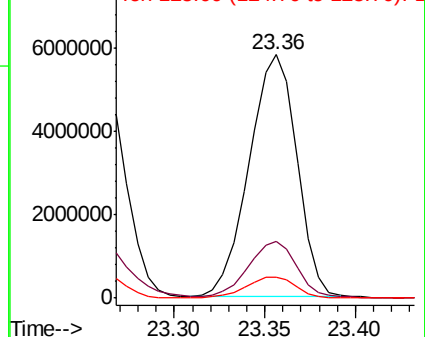
252 100

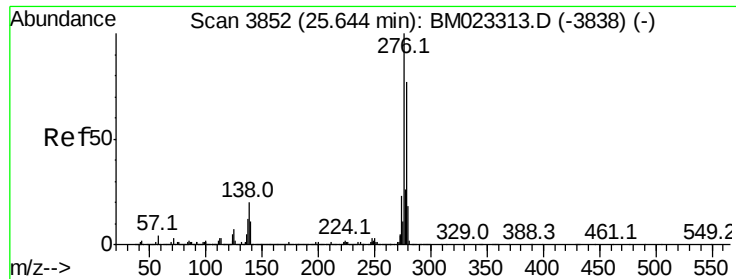
253 23.5 17.0 25.6

125 8.8 7.1 10.7



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



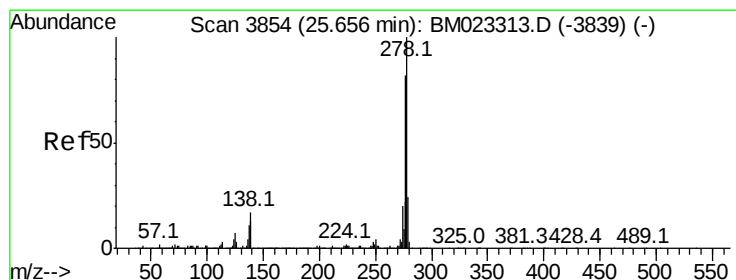
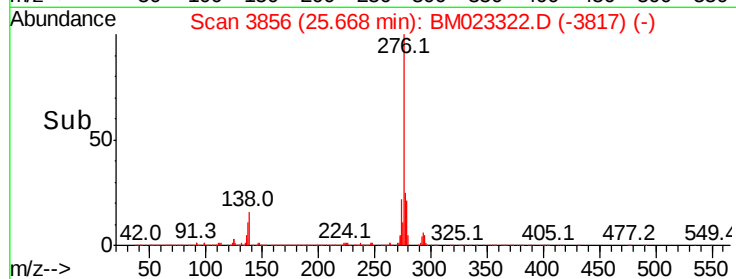
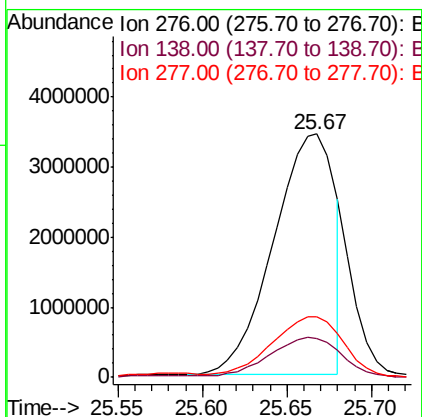
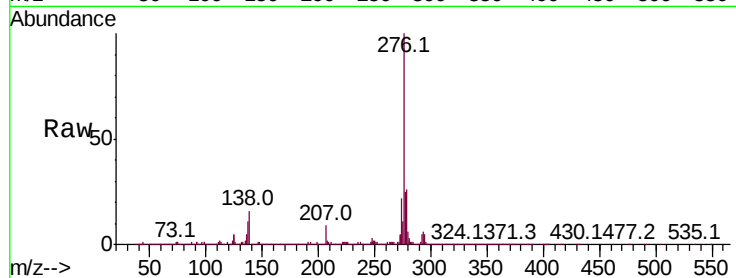


#92

Indeno(1,2,3-cd)pyrene
Concen: 42.223 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. 0.03 min
Lab File: BM023322.D
Acq: 22 Oct 2019 17:09

Instrument :
BNA_M
ClientSampleId :

Tot Ion:276 Resp: 8564334
Ion Ratio Lower Upper
276 100
138 16.1 15.8 23.6
277 24.9 19.8 29.8



#93

Dibenzo(a,h)anthracene
Concen: 7.373 ng/ul
RT: 25.36 min Scan# 3804
Delta R.T. -0.29 min
Lab File: BM023322.D
Acq: 22 Oct 2019 17:09

Tgt Ion:278 Resp: 1250418
Ion Ratio Lower Upper
278 100
139 13.0 10.5 15.7
279 27.1 19.7 29.5

