

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
 Data File : BM022249.D
 Acq On : 23 Aug 2019 10:51
 Operator : HP/JU
 Sample : K4183-12
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 23 12:27:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Aug 22 19:41:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	25576	20.00	ng/ul	0.00
18) Naphthalene-d8	10.33	136	114345	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.22	164	77506	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.97	188	182239	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	221941	20.00	ng/ul	0.00
85) Perylene-d12	23.38	264	204268	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	1041	1.82	ng/uL	0.00
5) Phenol-d5	6.75	99	32772	14.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	20124	15.67	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	28652	16.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	20115	10.51	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	13969	16.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	15009	15.12	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	30570	15.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.52	131	21938	8.93	ng/ul	0.02
43) Dimethylphthalate-d6	13.64	166	118067	17.30	ng/ul	0.00
46) Acenaphthylene-d8	13.91	160	123312	16.77	ng/ul	0.00
51) 4-Nitrophenol-d4	14.49	143	9096	9.00	ng/ul	0.02
57) Fluorene-d10	15.22	176	101263	17.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.39	200	15546	11.06	ng/ul	0.00
70) Anthracene-d10	17.08	188	168945	17.51	ng/ul	0.00
78) Pyrene-d10	19.39	212	239709	20.78	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.24	264	217935	19.42	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.78	94	3446	1.458 ng/ul	92
14) Acetophenone	8.41	105	833	0.252 ng/ul#	66
15) N-Nitroso-di-n-propylamine	8.28	70	387	0.231 ng/ul#	1
21) Isophorone	9.45	82	2034	0.445 ng/ul#	66
44) Dimethylphthalate	13.69	163	34406	4.954 ng/ul	99
45) 2,6-Dinitrotoluene	13.65	165	173	0.130 ng/ul#	19
63) 4,6-Dinitro-2-methylphenol	15.29	198	461	0.306 ng/ul#	49
69) Phenanthrene	17.02	178	2141	0.196 ng/ul#	90
71) Anthracene	17.11	178	124	0.011 ng/ul#	60
75) Di-n-butylphthalate	17.95	149	1526	0.117 ng/ul#	76
76) Fluoranthene	19.05	202	29283	1.782 ng/ul	98
79) Pyrene	19.42	202	29484	2.052 ng/ul	98
80) Butylbenzylphthalate	20.34	149	91	0.015 ng/ul#	28
81) 3,3'-Dichlorobenzidine	21.00	252	240	0.042 ng/ul#	25
82) Benzo(a)anthracene	21.17	228	34742	2.080 ng/ul#	89
83) Bis(2-ethylhexyl)phthalate	21.09	149	1087	0.119 ng/ul#	83
84) Chrysene	21.22	228	29944	1.917 ng/ul#	86
86) Di-n-octyl phthalate	21.96	149	125	0.008 ng/ul	100
87) Benzo(b)fluoranthene	22.73	252	39274	2.764 ng/ul#	89
88) Benzo(k)fluoranthene	22.77	252	13047	0.947 ng/ul#	80
90) Benzo(a)pyrene	23.29	252	30823	2.276 ng/ul#	92
91) Indeno(1,2,3-cd)pyrene	25.57	276	16436	1.045 ng/ul	99
92) Dibenzo(a,h)anthracene	25.57	278	6898	0.517 ng/ul#	48

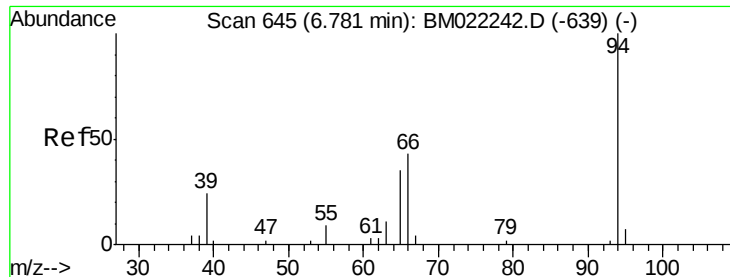
Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082319\
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Quant Title : SVOA CALIBRATION
QLast Update : Thu Aug 22 19:41:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Benzo(q,h,i)perylene	26.25	276	17779	1.482	ng/ul#	91

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



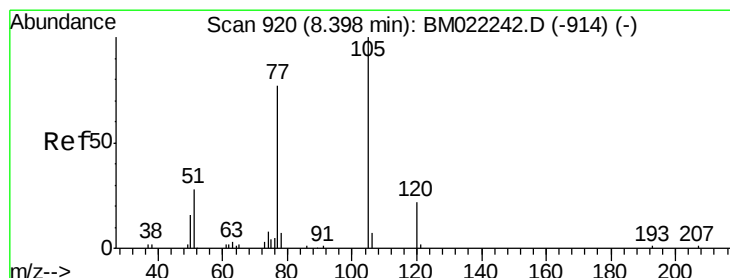
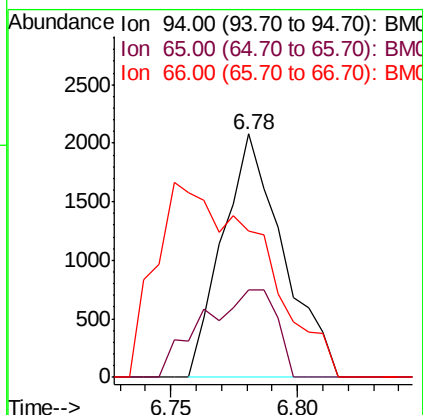
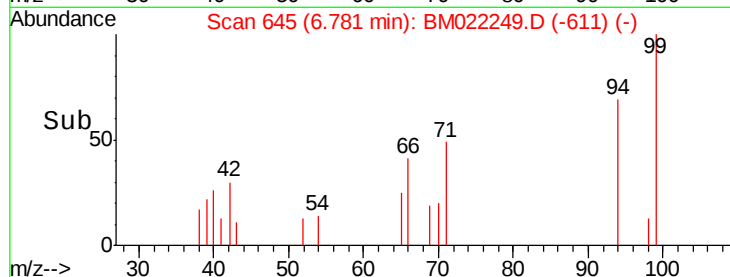
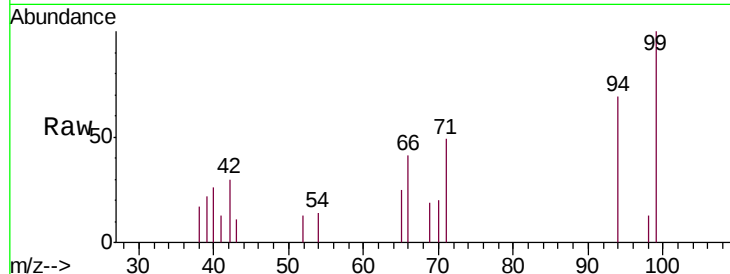
#6

Phenol

Concen: 1.458 ng/ul
 RT: 6.78 min Scan# 645
 Delta R.T. -0.00 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion: 94 Resp: 3446
 Ion Ratio Lower Upper
 94 100
 65 35.9 29.2 43.8
 66 59.9 40.6 60.8

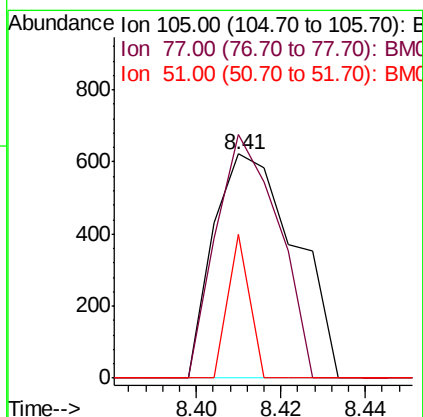
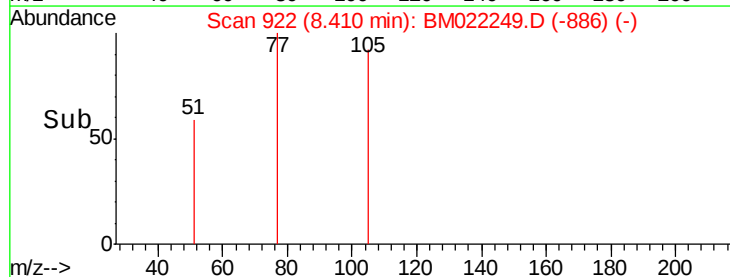
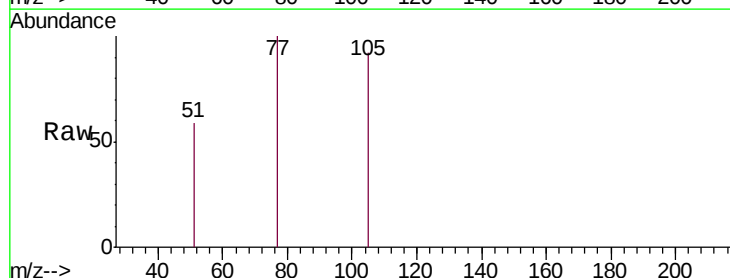


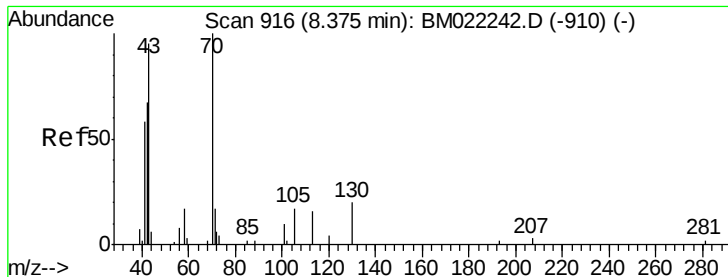
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Acetophenone

Concen: 0.252 ng/ul
 RT: 8.41 min Scan# 922
 Delta R.T. 0.01 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

Tgt Ion: 105 Resp: 833
 Ion Ratio Lower Upper
 105 100
 77 108.7 68.4 102.6#
 51 64.0 25.0 37.4#





#15

N-Nitroso-di-n-propylamine

Concen: 0.231 ng/ul

RT: 8.28 min Scan# 900

Delta R.T. -0.09 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 70 Resp: 387

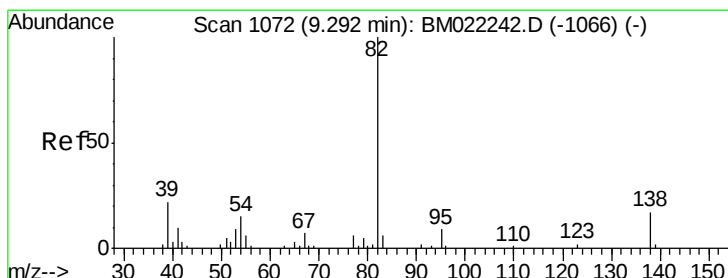
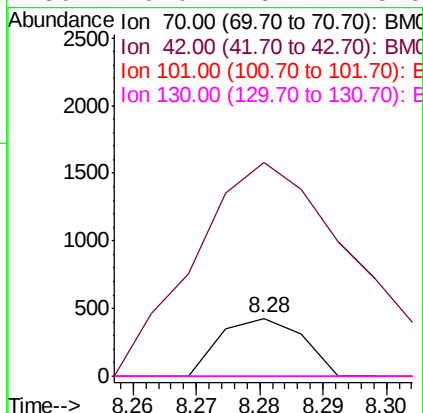
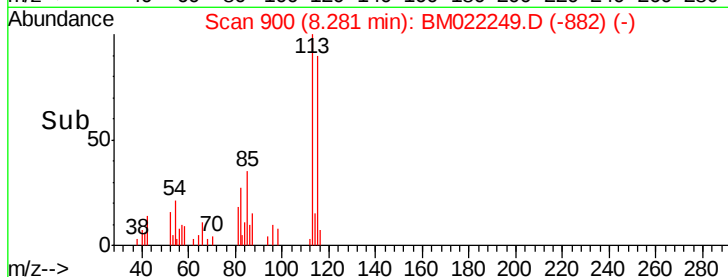
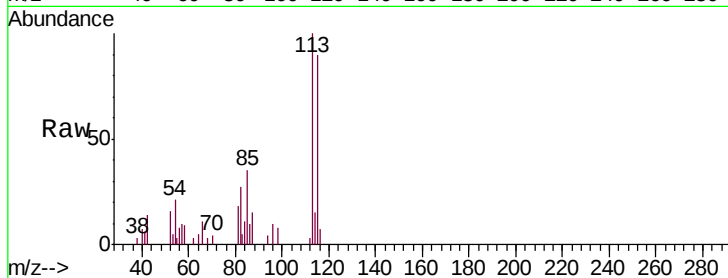
Ion Ratio Lower Upper

70 100

42 368.9 55.1 82.7#

101 0.0 8.0 12.0#

130 0.0 15.7 23.5#



#21

Isophorone

Concen: 0.445 ng/ul

RT: 9.45 min Scan# 1098

Delta R.T. 0.15 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

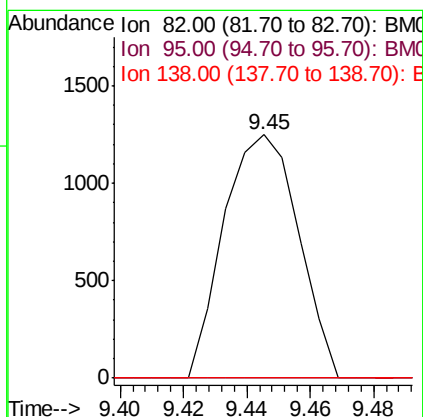
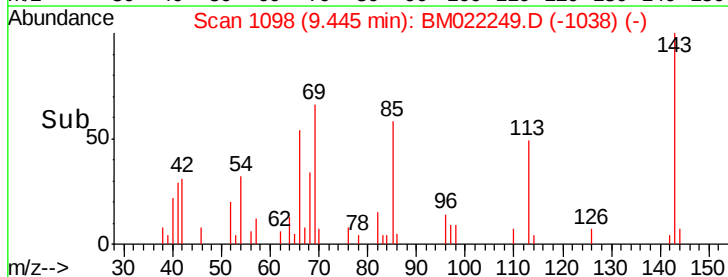
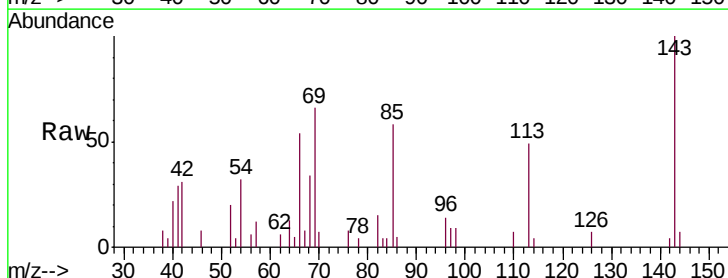
Tgt Ion: 82 Resp: 2034

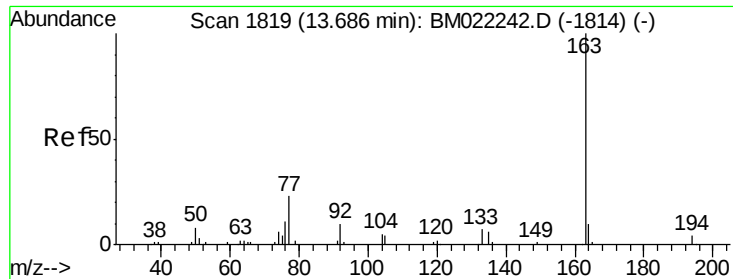
Ion Ratio Lower Upper

82 100

95 0.0 7.2 10.8#

138 0.0 13.8 20.6#

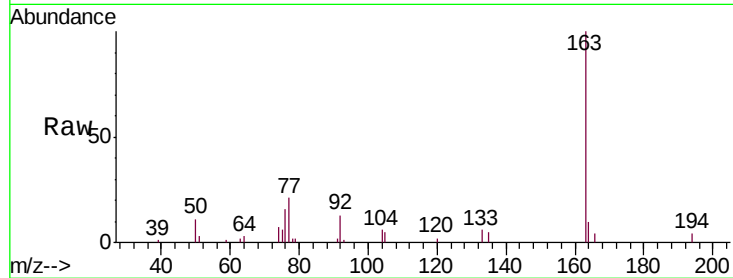




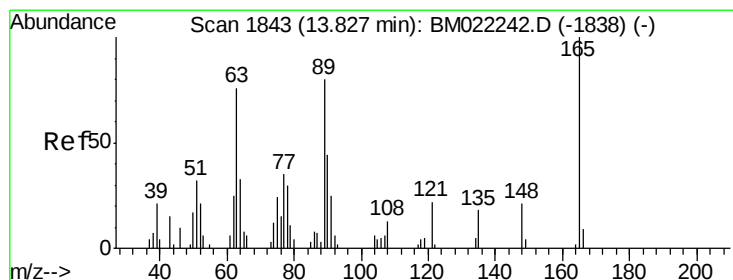
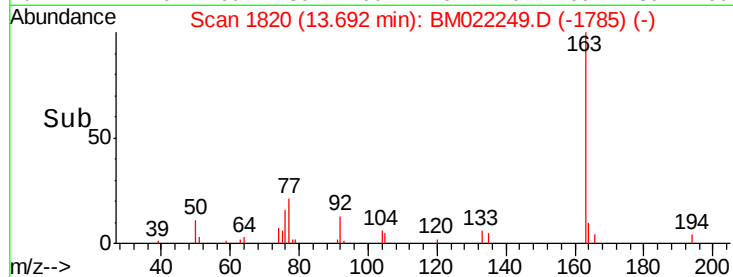
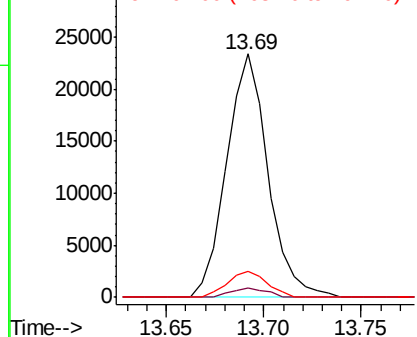
#44
Dimethylphthalate
Concen: 4.954 ng/ul
RT: 13.69 min Scan# 1820
Delta R.T. 0.01 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

Instrument :
BNA_M
ClientSampleId :

Tot Ion:163 Resp: 34406
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.4 7.8 11.8

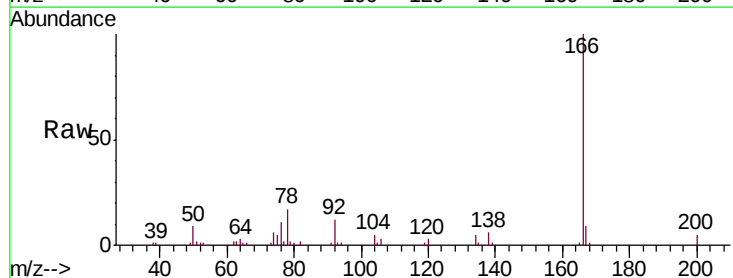


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

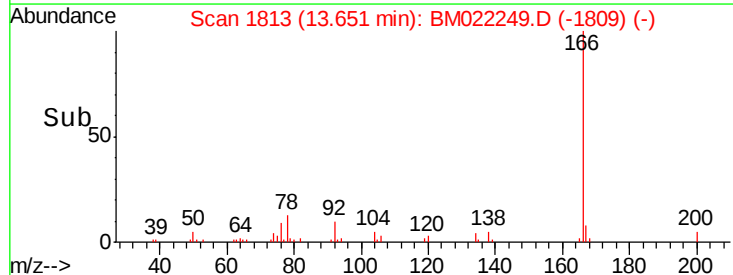
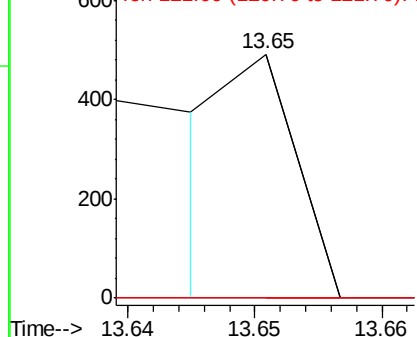


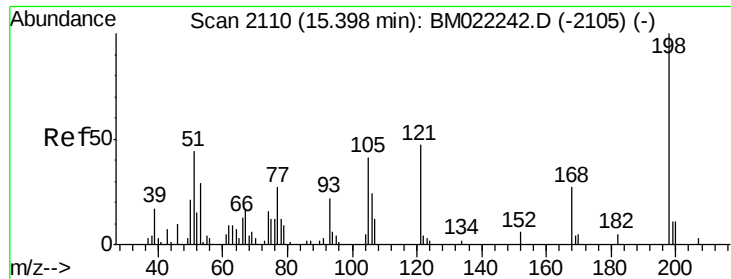
#45
2,6-Dinitrotoluene
Concen: 0.130 ng/ul
RT: 13.65 min Scan# 1813
Delta R.T. -0.18 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

Tgt Ion:165 Resp: 173
Ion Ratio Lower Upper
165 100
89 0.0 63.8 95.6#
121 0.0 17.8 26.8#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 89.00 (88.70 to 89.70): BM0
Ion 121.00 (120.70 to 121.70): E

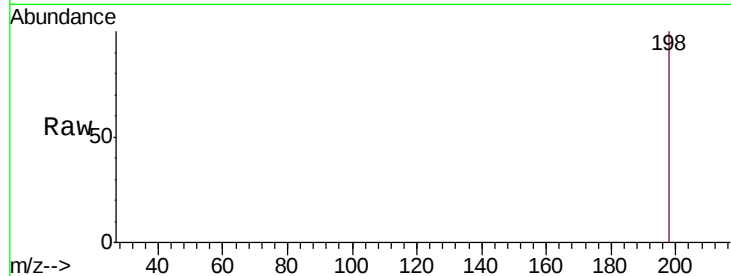




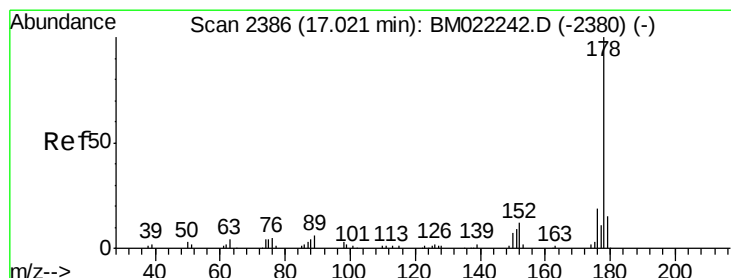
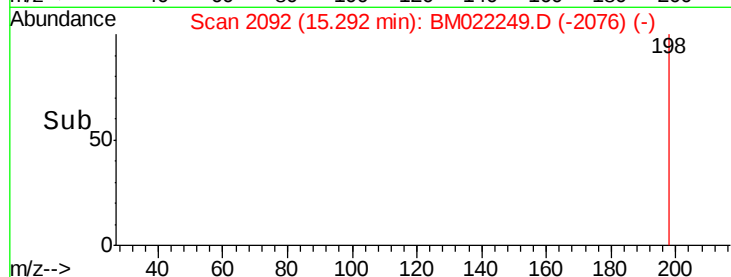
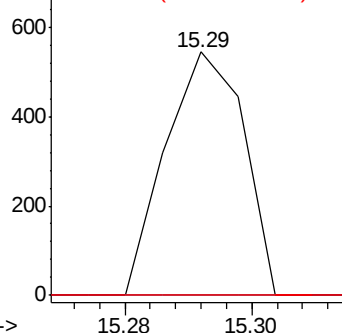
#63
 4,6-Dinitro-2-methylphenol
 Concen: 0.306 ng/ul
 RT: 15.29 min Scan# 2092
 Delta R.T. -0.11 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:198 Resp: 461
 Ion Ratio Lower Upper
 198 100
 182 0.0 3.8 5.8#
 77 0.0 25.3 37.9#

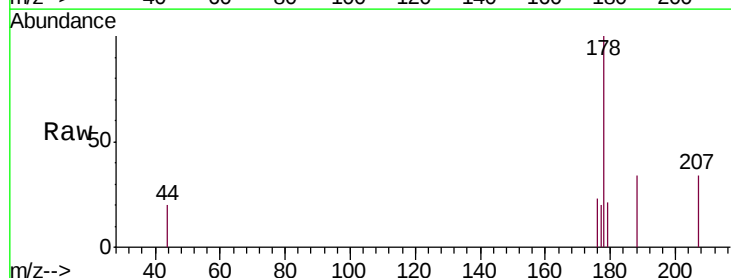


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 77.00 (76.70 to 77.70): B

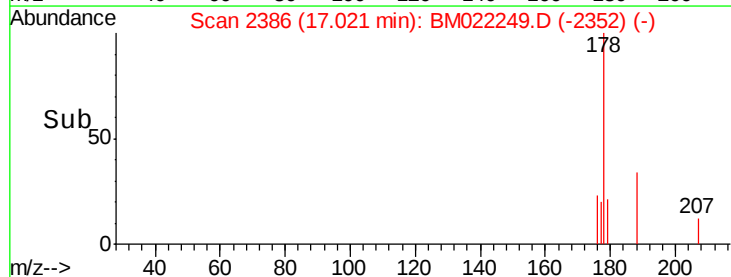
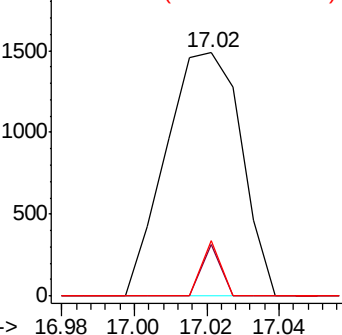


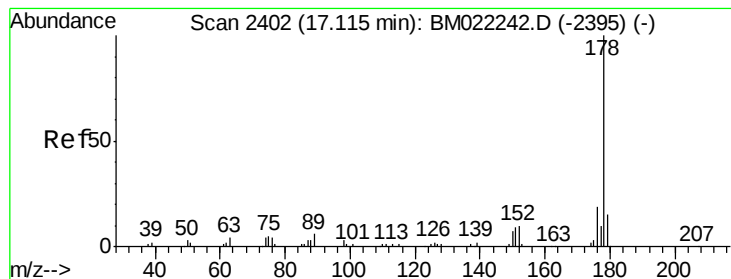
#69
 Phenanthrene
 Concen: 0.196 ng/ul
 RT: 17.02 min Scan# 2386
 Delta R.T. -0.00 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

Tgt Ion:178 Resp: 2141
 Ion Ratio Lower Upper
 178 100
 179 21.2 12.4 18.6#
 176 22.6 15.4 23.0



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: 0.011 ng/ul

RT: 17.11 min Scan# 2401

Delta R.T. -0.01 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

Instrument :

BNA_M

ClientSampleId :

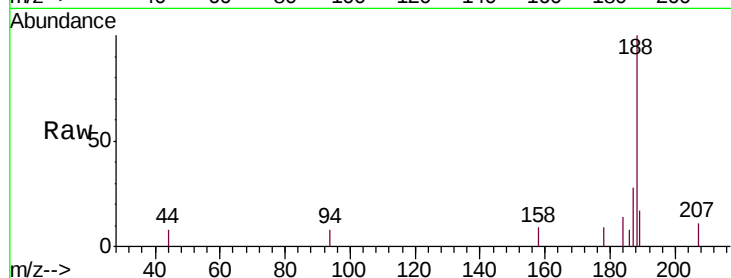
Tot Ion:178 Resp: 124

Ion Ratio Lower Upper

178 100

179 0.0 12.3 18.5#

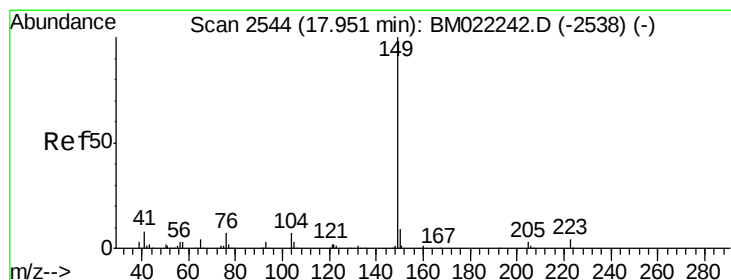
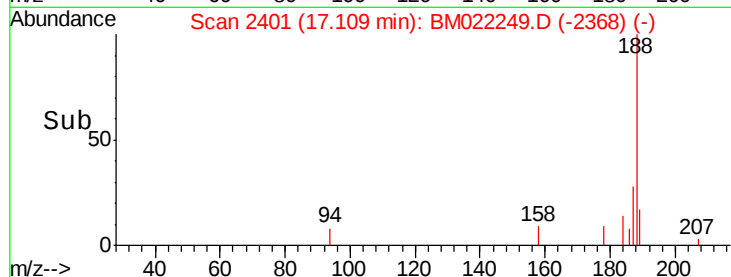
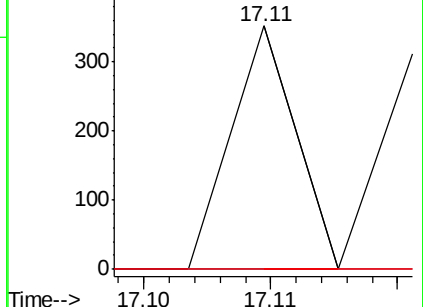
176 0.0 15.5 23.3#



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



#75

Di-n-butylphthalate

Concen: 0.117 ng/ul

RT: 17.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

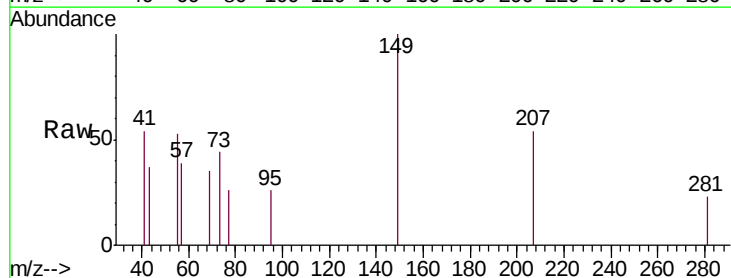
Tgt Ion:149 Resp: 1526

Ion Ratio Lower Upper

149 100

150 0.0 7.6 11.4#

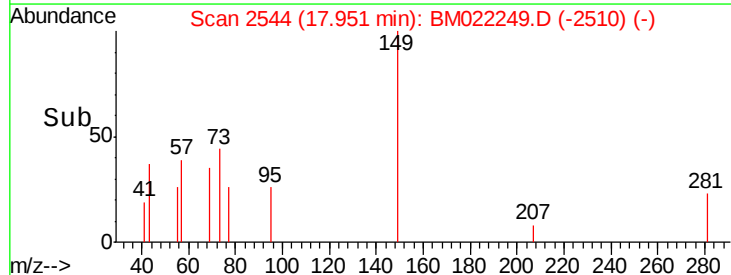
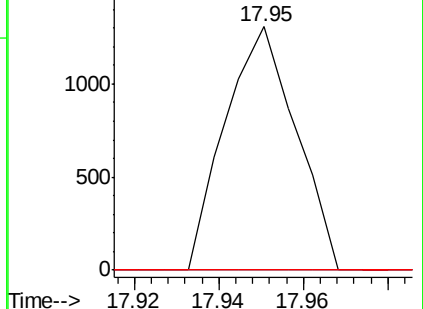
104 0.0 5.8 8.8#

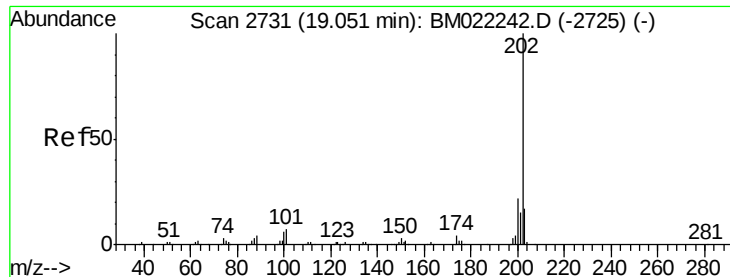


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#76

Fluoranthene

Concen: 1.782 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.00 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

Instrument :

BNA_M

ClientSampled :

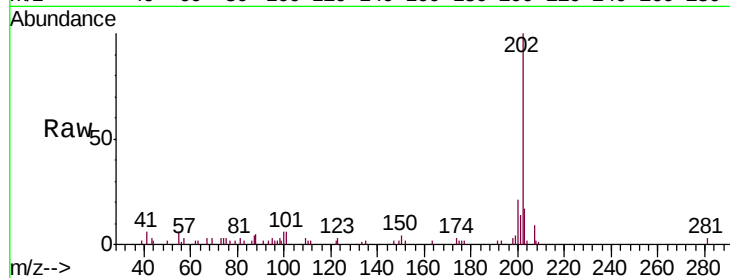
Tot Ion:202 Resp: 29283

Ion Ratio Lower Upper

202 100

101 5.7 5.3 7.9

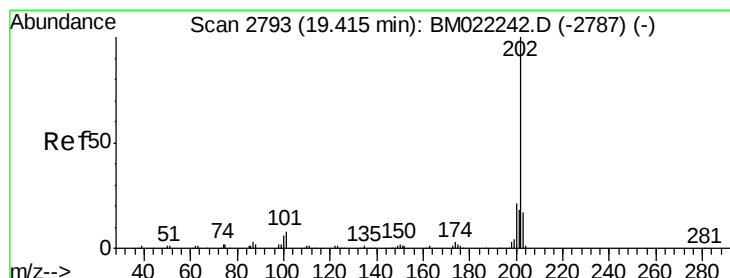
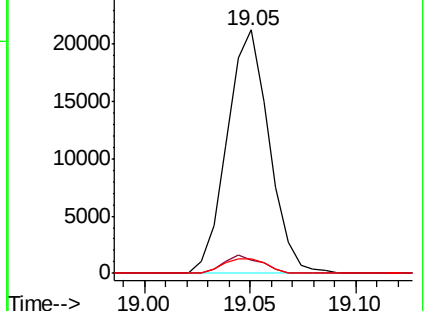
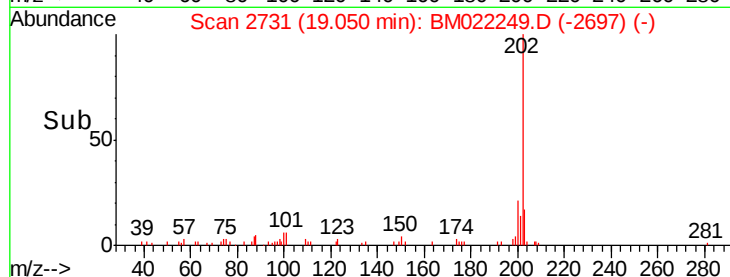
100 6.0 4.6 6.8



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



#79

Pyrene

Concen: 2.052 ng/ul

RT: 19.42 min Scan# 2793

Delta R.T. -0.00 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

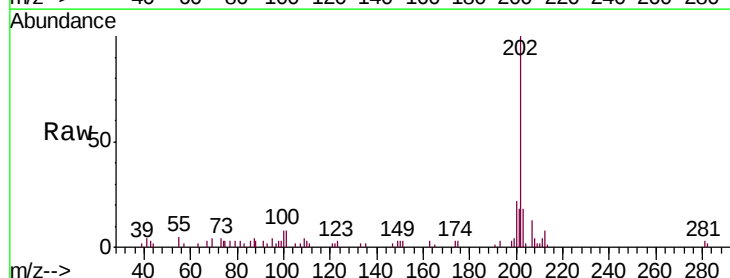
Tgt Ion:202 Resp: 29484

Ion Ratio Lower Upper

202 100

101 8.4 7.0 10.4

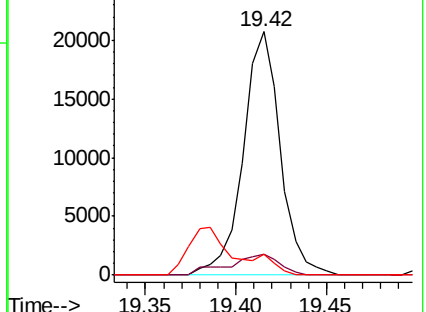
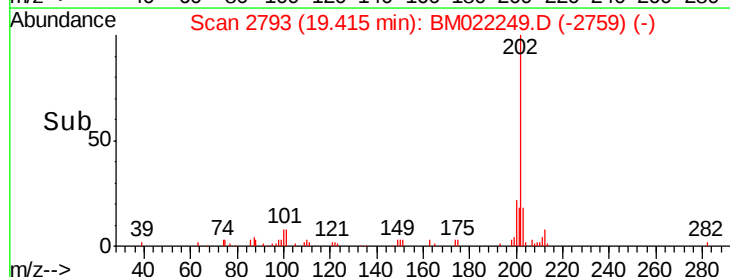
100 8.5 5.8 8.8

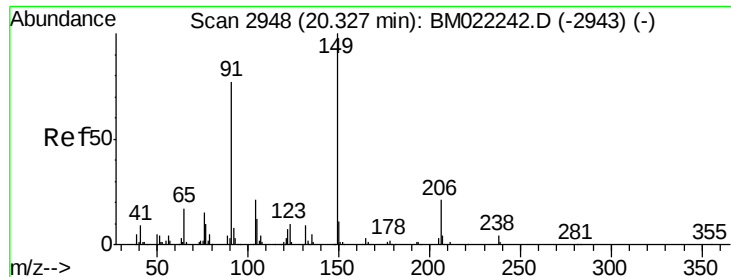


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

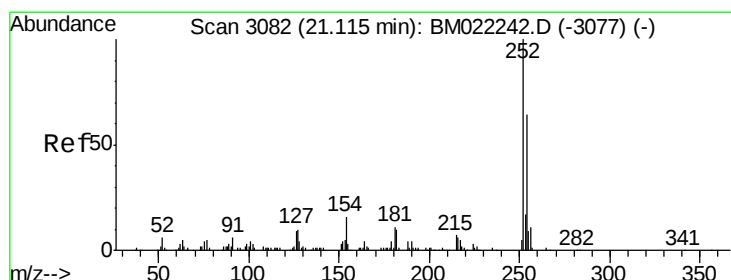
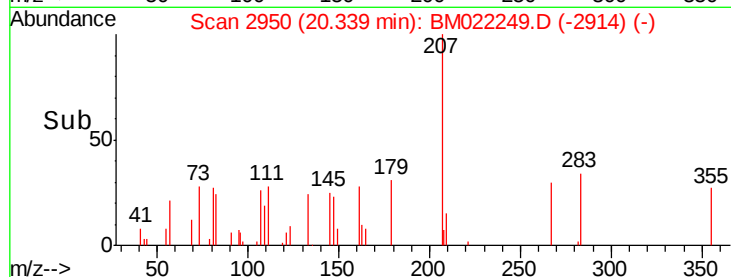
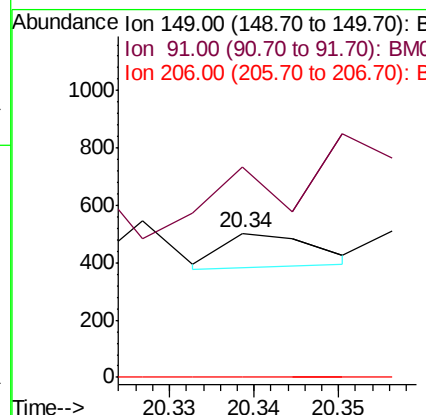
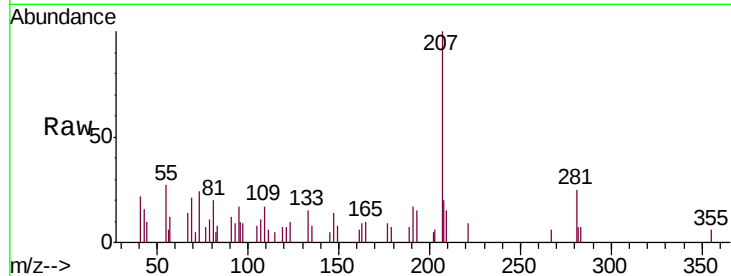




#80
 Butylbenzylphthalate
 Concen: 0.015 ng/ul
 RT: 20.34 min Scan# 2950
 Delta R.T. 0.01 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

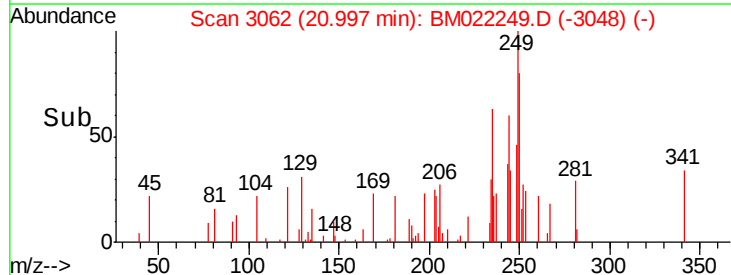
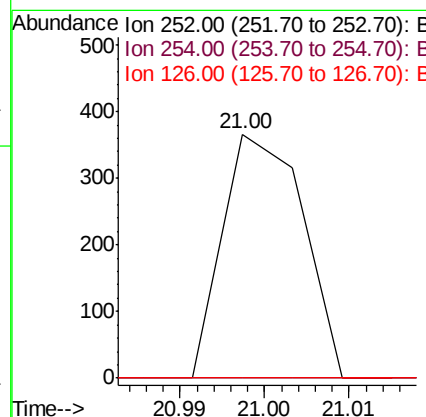
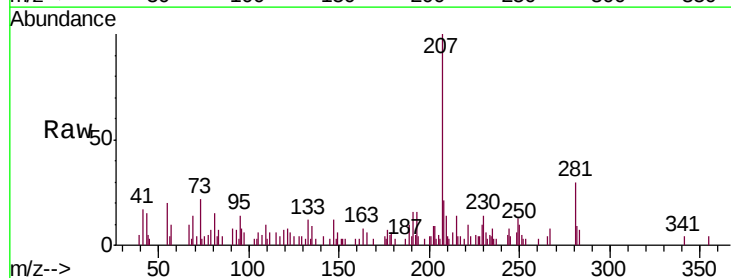
Instrument :
 BNA_M
 ClientSampled :

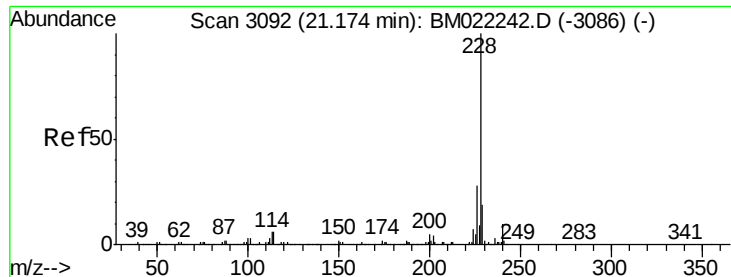
Tot Ion	Ratio	Lower	Upper
149	100		
91	145.8	61.8	92.8#
206	0.0	16.6	25.0#



#81
 3,3'-Dichlorobenzidine
 Concen: 0.042 ng/ul
 RT: 21.00 min Scan# 3062
 Delta R.T. -0.12 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

Tgt Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.3	76.9#
126	0.0	7.3	10.9#

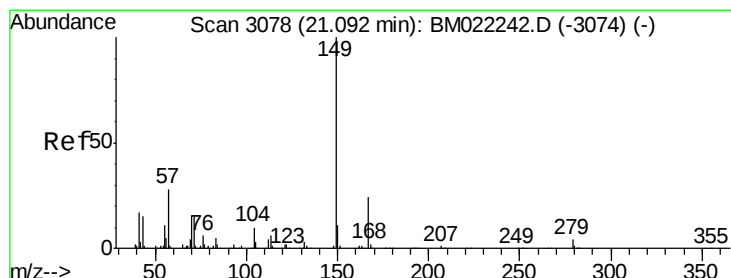
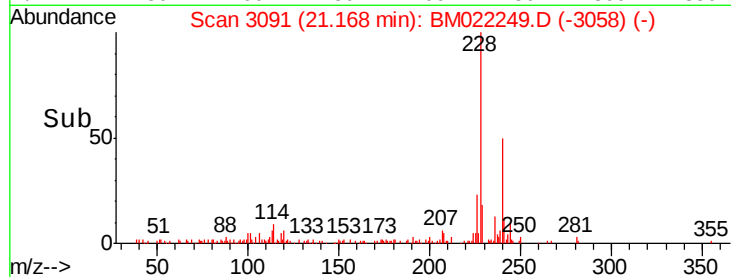
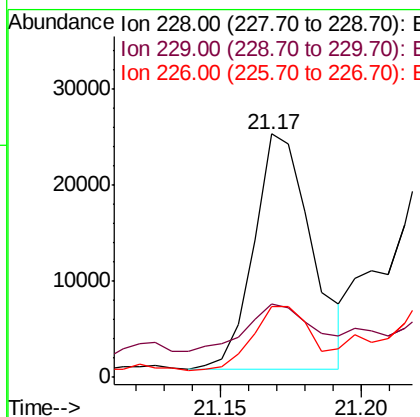
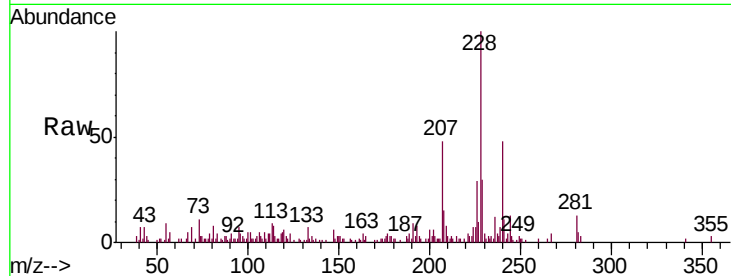




#82
Benzo(a)anthracene
Concen: 2.080 ng/ul
RT: 21.17 min Scan# 3091
Delta R.T. -0.01 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

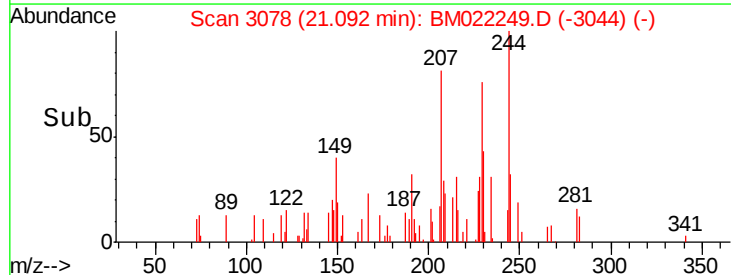
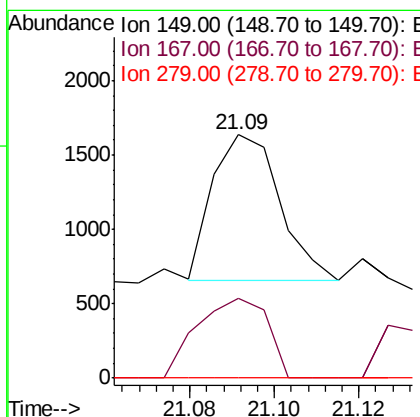
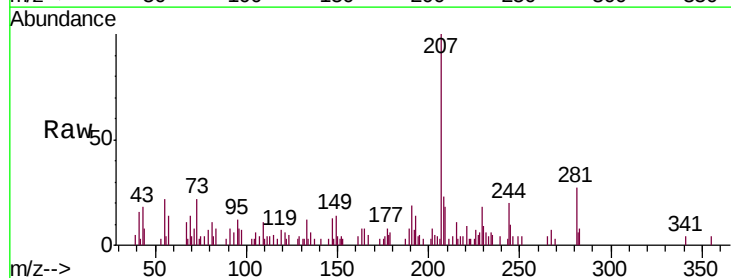
Instrument :
BNA_M
ClientSampleId :

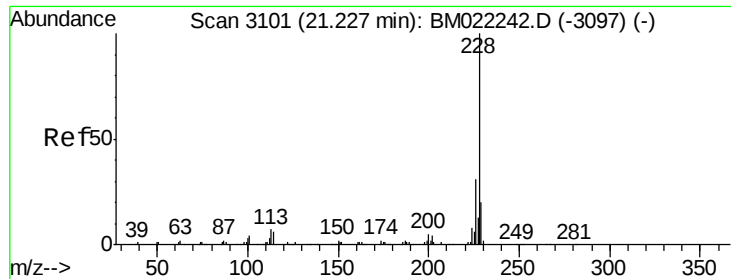
Tot Ion:228 Resp: 34742
Ion Ratio Lower Upper
228 100
229 30.3 15.2 22.8#
226 28.9 22.3 33.5



#83
Bis(2-ethylhexyl)phthalate
Concen: 0.119 ng/ul
RT: 21.09 min Scan# 3078
Delta R.T. -0.00 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

Tgt Ion:149 Resp: 1087
Ion Ratio Lower Upper
149 100
167 32.9 19.1 28.7#
279 0.0 3.3 4.9#

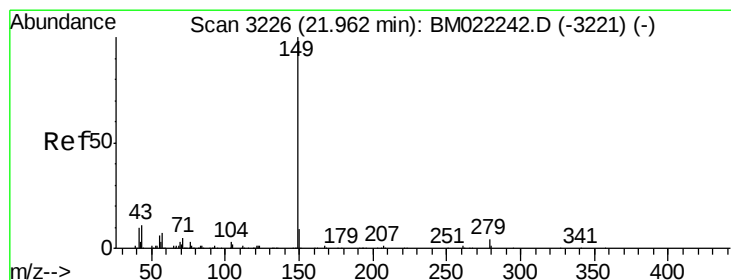
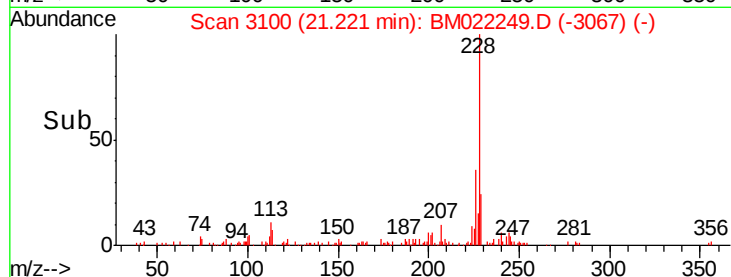
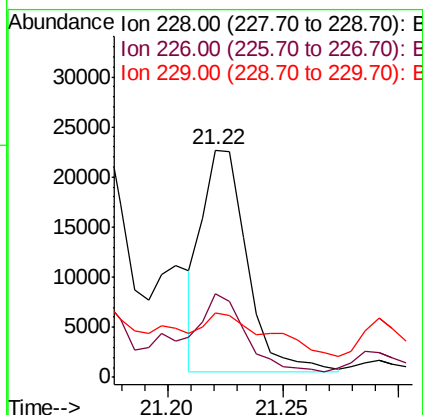
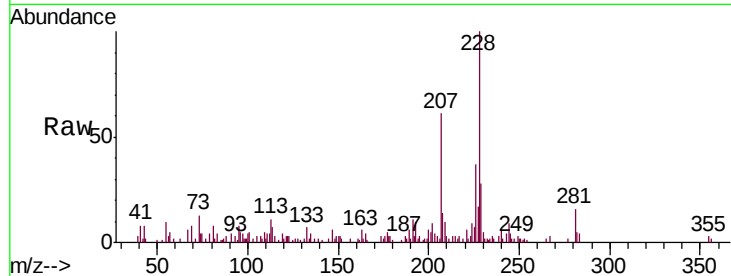




#84
 Chrysene
 Concen: 1.917 ng/ul
 RT: 21.22 min Scan# 3100
 Delta R.T. -0.01 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

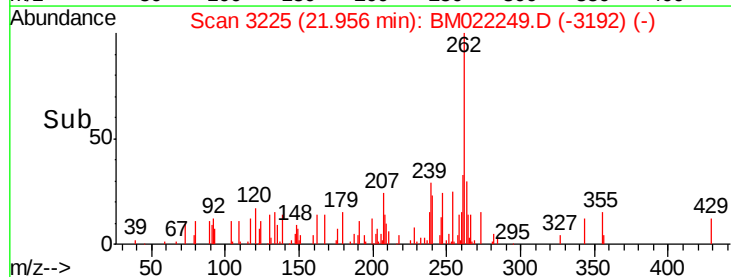
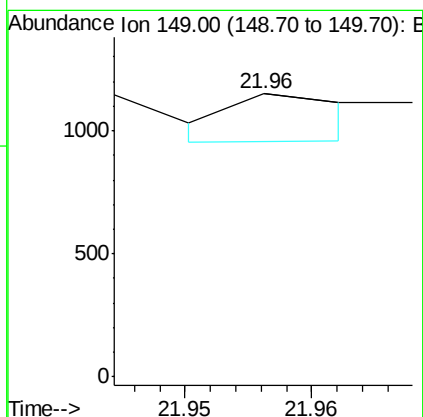
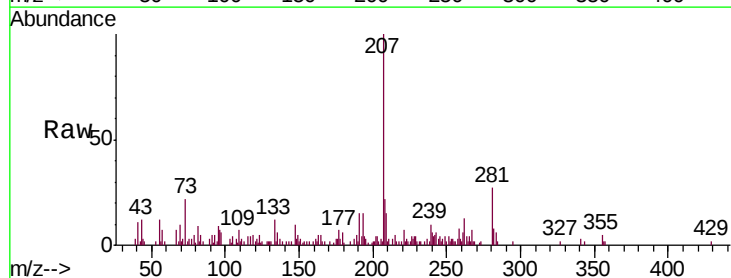
Instrument :
 BNA_M
 ClientSampleId :

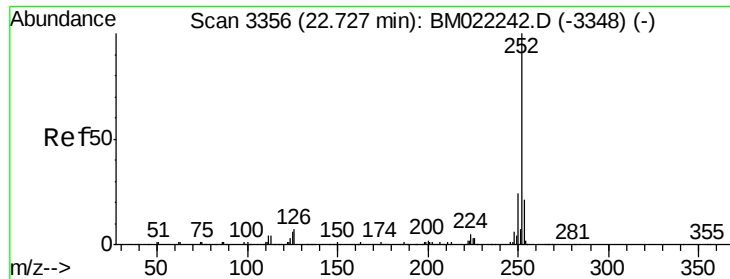
Tot Ion:228 Resp: 29944
 Ion Ratio Lower Upper
 228 100
 226 36.9 24.7 37.1
 229 28.2 15.7 23.5#



#86
 Di-n-octyl phthalate
 Concen: 0.008 ng/ul
 RT: 21.96 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: BM022249.D
 Acq: 23 Aug 2019 10:51

Tgt Ion:149 Resp: 125

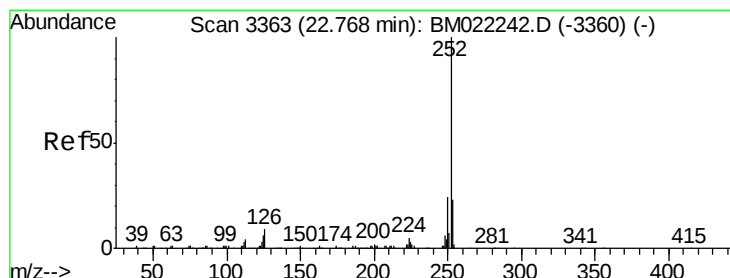
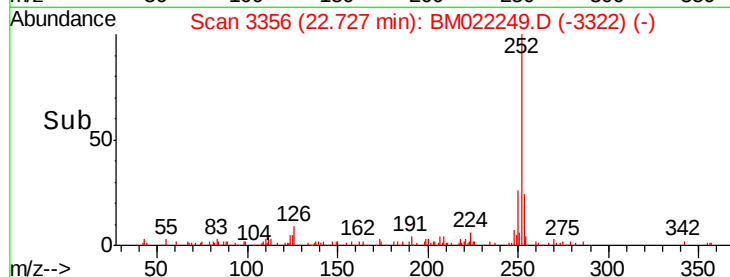
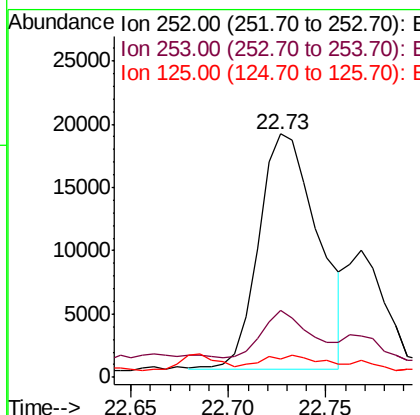
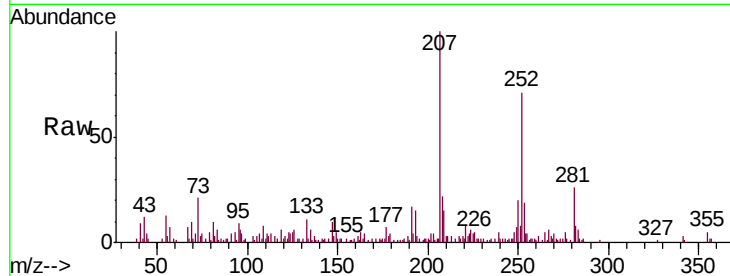




#87
Benzo(b)fluoranthene
Concen: 2.764 ng/ul
RT: 22.73 min Scan# 3356
Delta R.T. -0.00 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

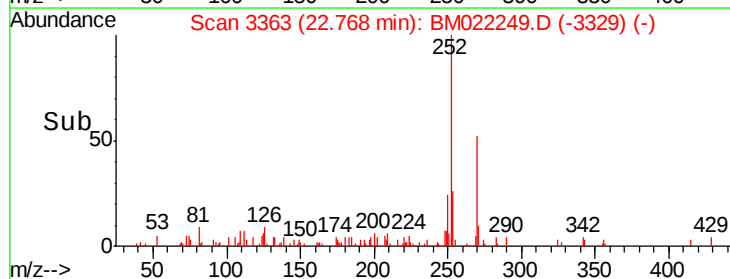
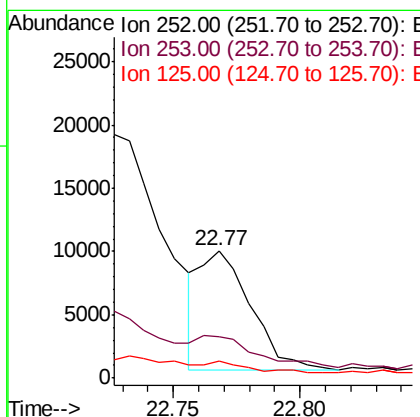
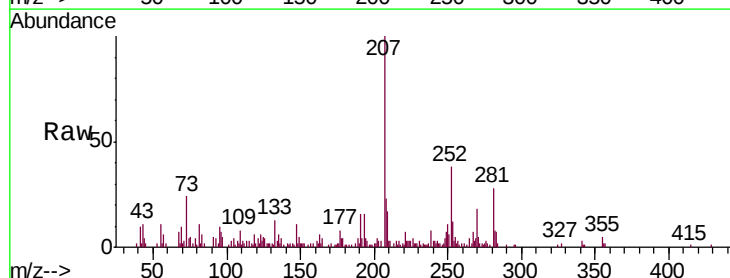
Instrument :
BNA_M
ClientSampled :

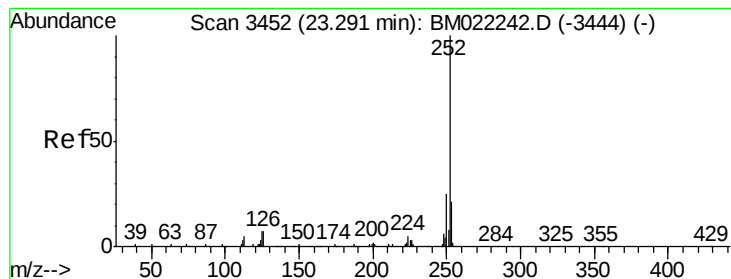
Tot Ion:252 Resp: 39274
Ion Ratio Lower Upper
252 100
253 27.5 17.0 25.6#
125 7.6 5.2 7.8



#88
Benzo(k)fluoranthene
Concen: 0.947 ng/ul
RT: 22.77 min Scan# 3363
Delta R.T. -0.00 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

Tgt Ion:252 Resp: 13047
Ion Ratio Lower Upper
252 100
253 32.2 18.1 27.1#
125 13.4 5.1 7.7#





#90

Benzo(a)pyrene

Concen: 2.276 ng/ul

RT: 23.29 min Scan# 3451

Delta R.T. -0.01 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

Instrument :

BNA_M

ClientSampleId :

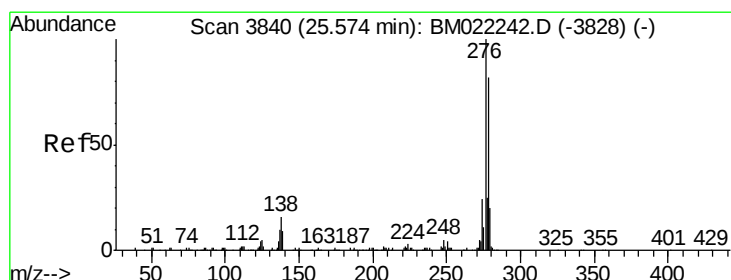
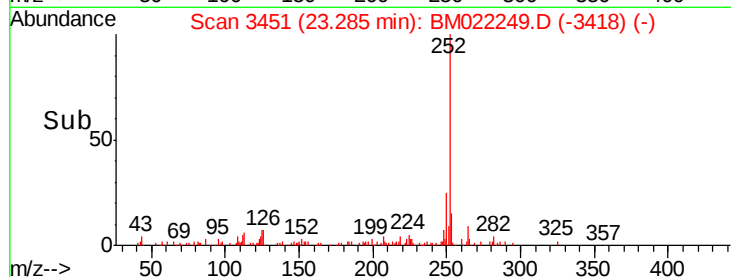
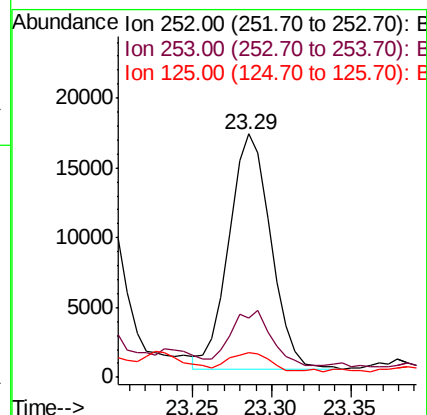
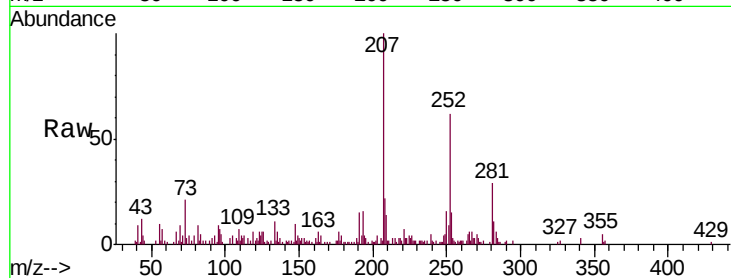
Tot Ion:252 Resp: 30823

Ion Ratio Lower Upper

252 100

253 24.6 16.9 25.3

125 10.3 5.5 8.3#



#91

Indeno(1,2,3-cd)pyrene

Concen: 1.045 ng/ul

RT: 25.57 min Scan# 3840

Delta R.T. -0.00 min

Lab File: BM022249.D

Acq: 23 Aug 2019 10:51

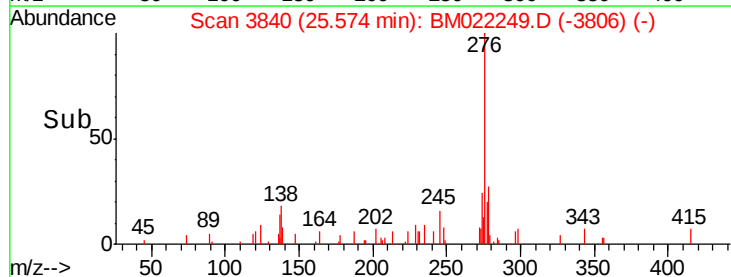
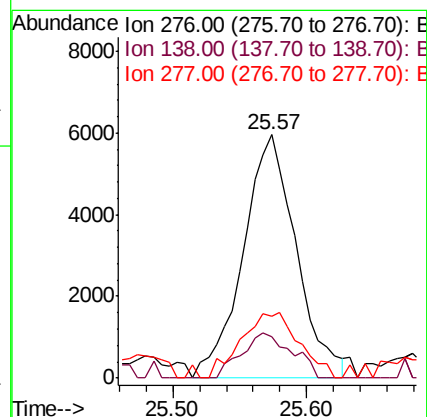
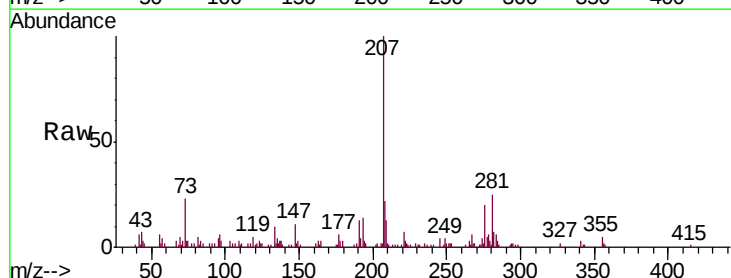
Tgt Ion:276 Resp: 16436

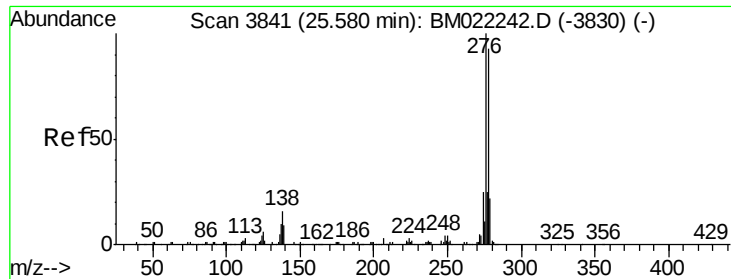
Ion Ratio Lower Upper

276 100

138 17.0 12.6 18.8

277 25.2 20.2 30.2

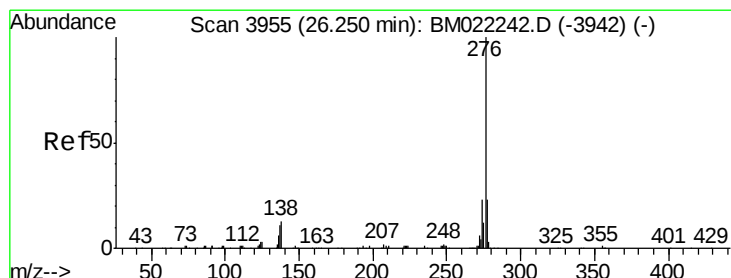
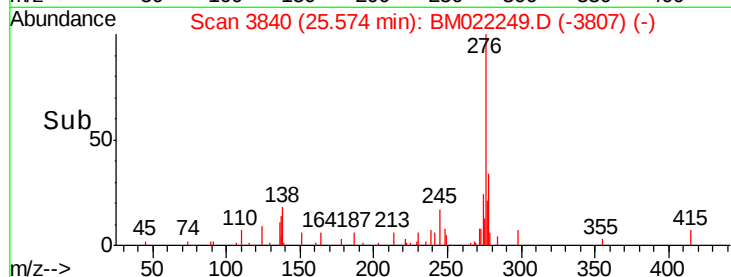
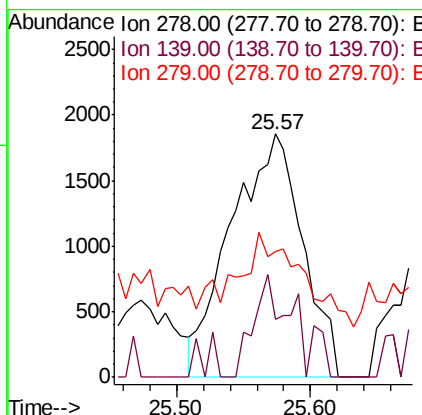
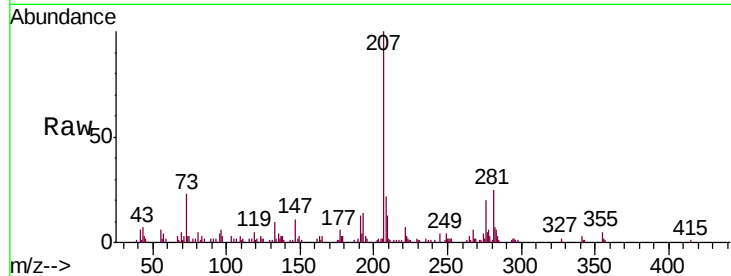




#92
Dibenzo(a,h)anthracene
Concen: 0.517 ng/ul
RT: 25.57 min Scan# 3840
Delta R.T. -0.01 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 6898
Ion Ratio Lower Upper
278 100
139 23.7 7.7 11.5#
279 51.8 19.0 28.6#



#93
Benzo(g,h,i)perylene
Concen: 1.482 ng/ul
RT: 26.25 min Scan# 3955
Delta R.T. -0.00 min
Lab File: BM022249.D
Acq: 23 Aug 2019 10:51

Tgt Ion:276 Resp: 17779
Ion Ratio Lower Upper
276 100
138 14.3 10.2 15.4
277 28.3 18.2 27.4#

