

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101919\
 Data File : BM023284.D
 Acq On : 19 Oct 2019 12:43
 Operator : JU
 Sample : K5235-15DL 2X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 19 23:37:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Oct 19 23:34:34 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	400392	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1556406	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.30	164	921358	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1892694	20.00	ng/ul	0.00
78) Chrysene-d12	21.23	240	1979326	20.00	ng/ul	0.00
86) Perylene-d12	23.43	264	2434297	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.18	96	20981	2.31	ng/uL	0.00
5) Phenol-d5	6.82	99	367811	10.55	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	220670	11.18	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	297092	11.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	266959	9.53	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	133115	12.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	136138	13.58	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	292293	11.46	ng/ul	0.00
29) 4-Chloroaniline-d4	10.57	131	226596	7.30	ng/ul	0.00
44) Dimethylphthalate-d6	13.72	166	880028	12.46	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1027565	12.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	84865	7.42	ng/ul	0.00
58) Fluorene-d10	15.29	176	776257	12.90	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	68592	9.14	ng/ul	0.00
71) Anthracene-d10	17.14	188	1169638	12.82	ng/ul	0.00
79) Pyrene-d10	19.44	212	1338855	13.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.30	264	1634549	13.25	ng/ul	0.00

Target Compounds

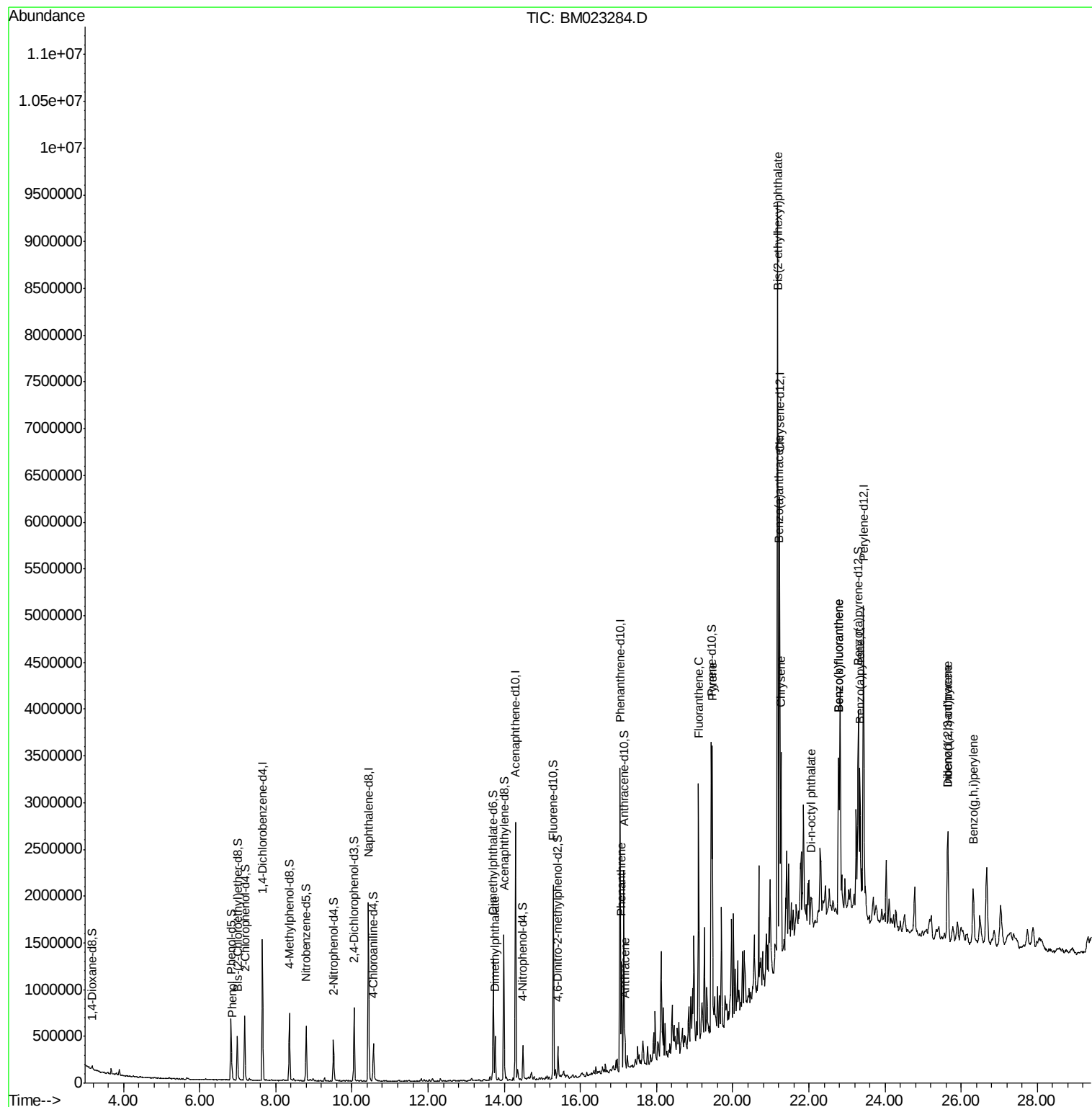
					Ovalue
6) Phenol	6.85	94	54315	1.510	ng/ul 96
45) Dimethylphthalate	13.76	163	299866	4.243	ng/ul 99
70) Phenanthrene	17.08	178	652286	6.141	ng/ul 99
72) Anthracene	17.17	178	167507	1.526	ng/ul 99
77) Fluoranthene	19.10	202	1597731	12.648	ng/ul 100
80) Pyrene	19.47	202	1894743	15.281	ng/ul 100
83) Benzo(a)anthracene	21.22	228	1145707	8.543	ng/ul 96
84) Bis(2-ethylhexyl)phthalate	21.18	149	2857805	41.674	ng/ul 99
85) Chrysene	21.27	228	1210826	9.723	ng/ul 97
87) Di-n-octyl phthalate	22.05	149	141738	1.129	ng/ul 100
88) Benzo(b)fluoranthene	22.78	252	1510690	10.236	ng/ul# 97
89) Benzo(k)fluoranthene	22.78	252	1510690	10.660	ng/ul 97
91) Benzo(a)pyrene	23.34	252	1175680	8.303	ng/ul 99
92) Indeno(1,2,3-cd)pyrene	25.64	276	747436	4.437	ng/ul 98
93) Dibenzo(a,h)anthracene	25.65	278	223230	1.585	ng/ul# 92
94) Benzo(g,h,i)perylene	26.31	276	766607	5.527	ng/ul 99

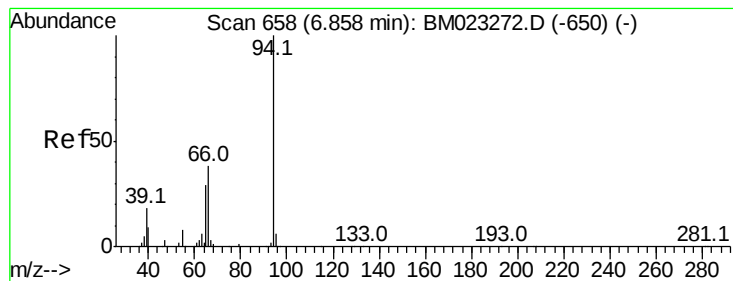
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat Oct 19 23:34:34 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.510 ng/ul

RT: 6.85 min Scan# 657

Delta R.T. -0.00 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

Instrument :

BNA_M

ClientSampleId :

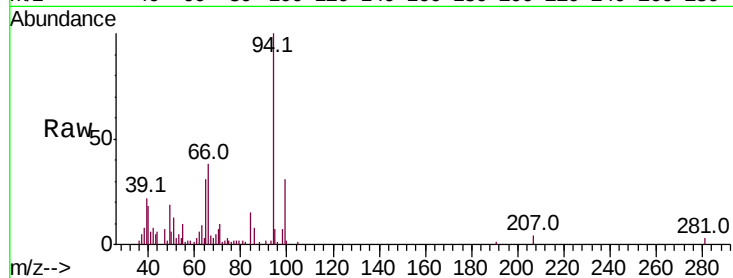
Tot Ion: 94 Resp: 54315

Ion Ratio Lower Upper

94 100

65 31.1 23.7 35.5

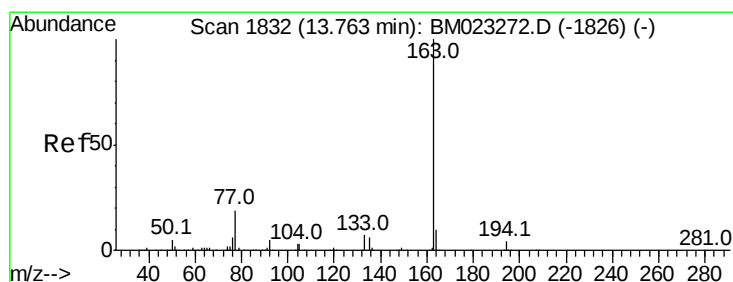
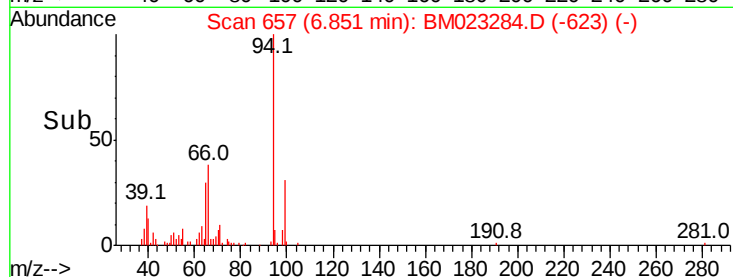
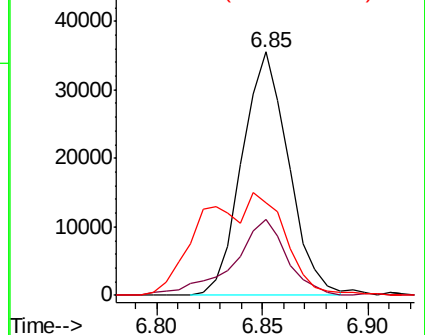
66 38.1 32.9 49.3



Abundance Ion 94.00 (93.70 to 94.70): BM023272.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM023272.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM023272.D (-650) (-)



#45

Dimethylphthalate

Concen: 4.243 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. -0.01 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

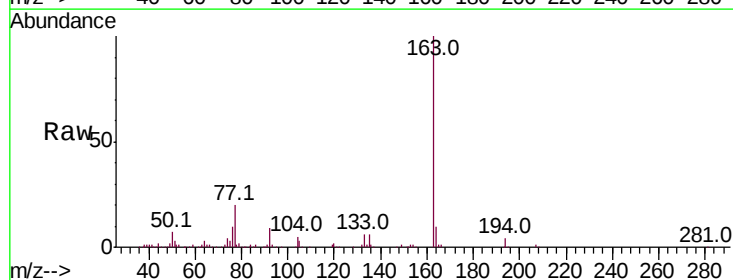
Tgt Ion: 163 Resp: 299866

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

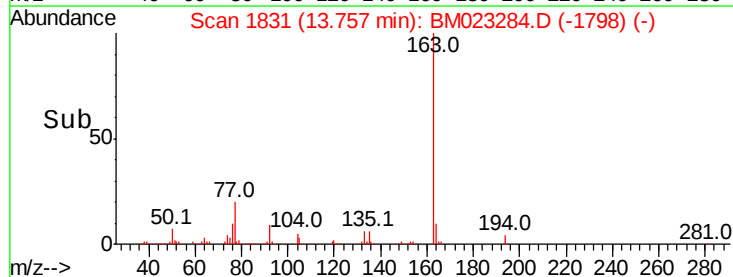
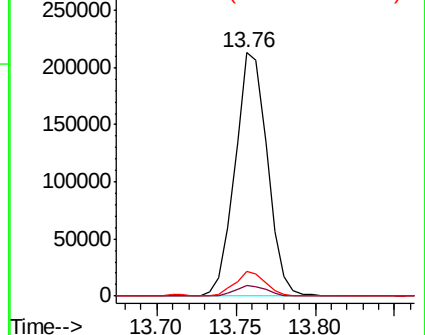
164 10.3 8.0 12.0

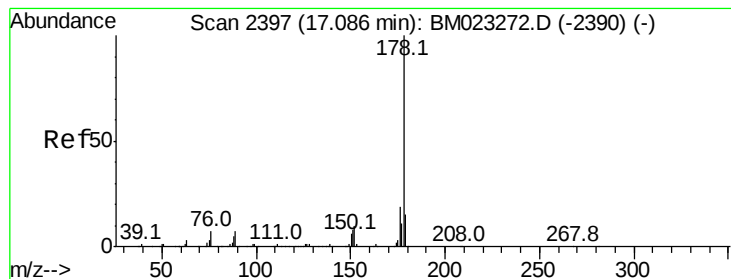


Abundance Ion 163.00 (162.70 to 163.70): BM023272.D (-1826) (-)

Ion 194.00 (193.70 to 194.70): BM023272.D (-1826) (-)

Ion 164.00 (163.70 to 164.70): BM023272.D (-1826) (-)





#70

Phenanthrene

Concen: 6.141 ng/ul

RT: 17.08 min Scan# 2396

Delta R.T. -0.01 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

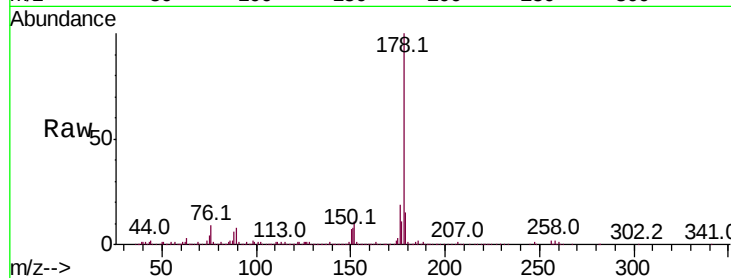
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 652286

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	18.7	15.5	23.3

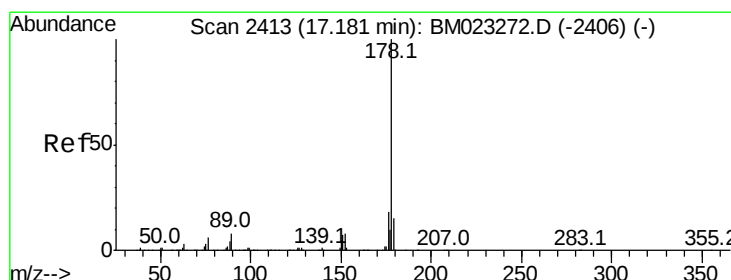
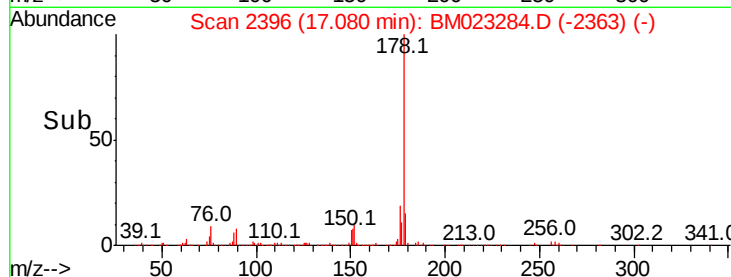
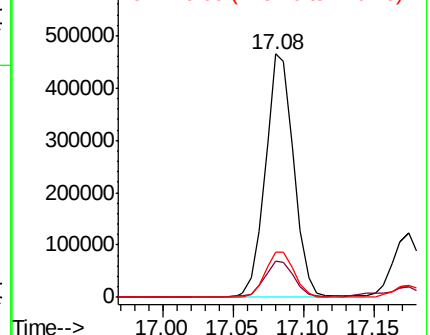


Abundance

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



#72

Anthracene

Concen: 1.526 ng/ul

RT: 17.17 min Scan# 2412

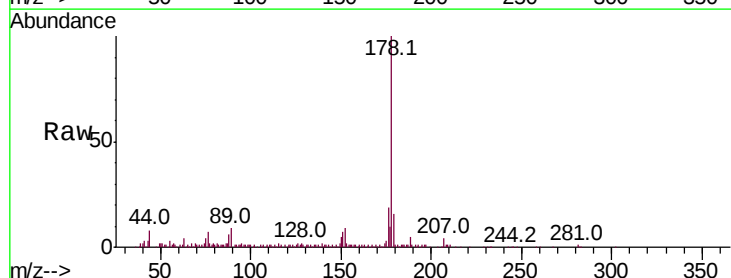
Delta R.T. -0.00 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

Tgt Ion:178 Resp: 167507

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	18.6	15.0	22.4

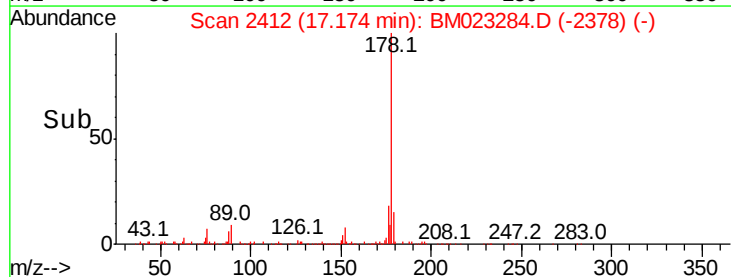
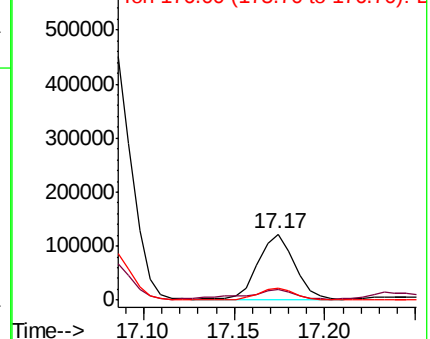


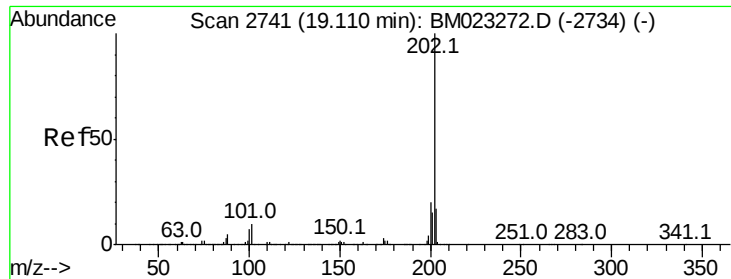
Abundance

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

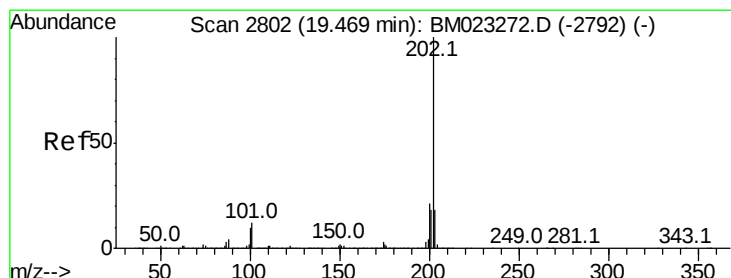
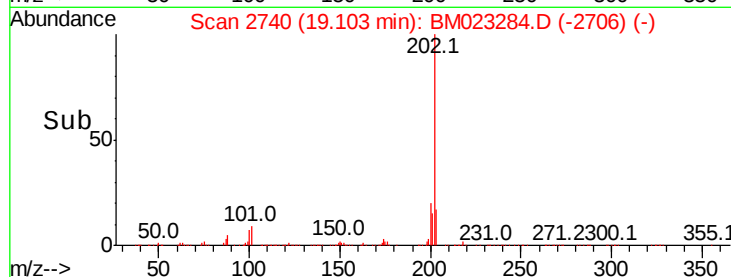
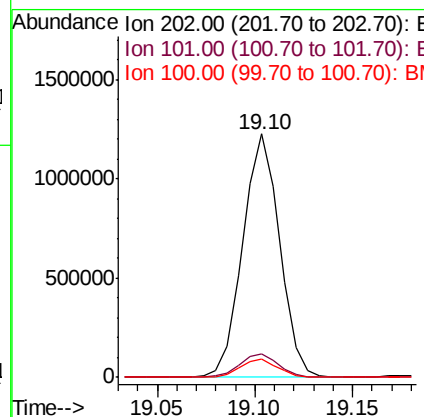
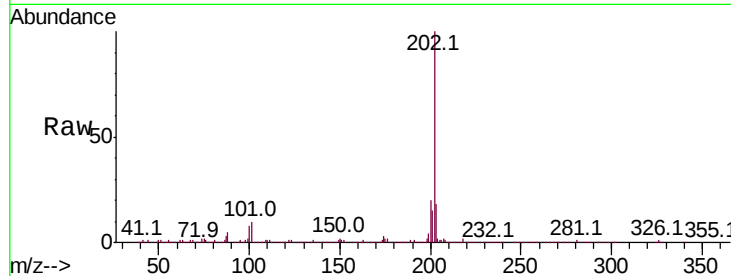




#77
 Fluoranthene
 Concen: 12.648 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. -0.00 min
 Lab File: BM023284.D
 Acq: 19 Oct 2019 12:43

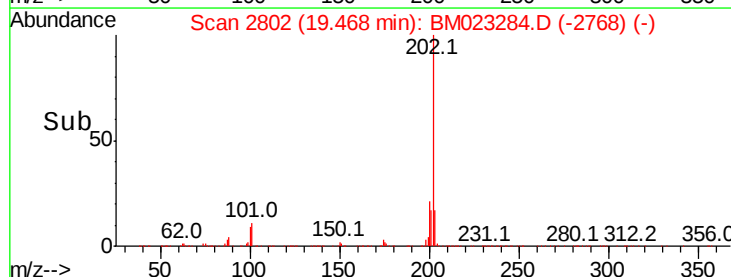
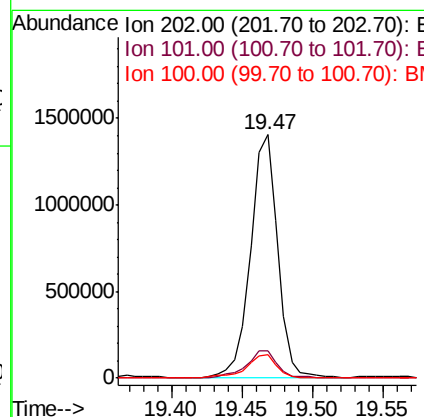
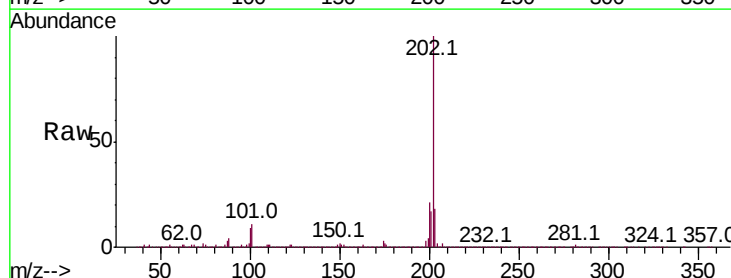
Instrument :
 BNA_M
 ClientSampleId :

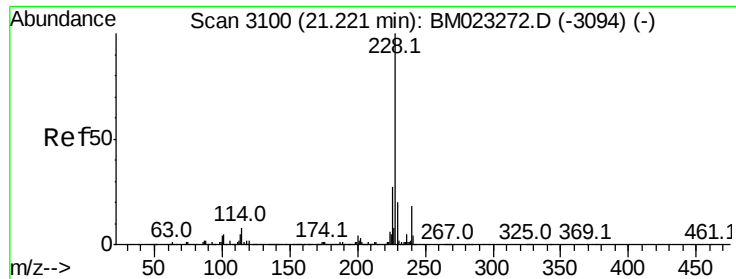
Tot Ion:202 Resp: 1597731
 Ion Ratio Lower Upper
 202 100
 101 9.9 7.8 11.8
 100 7.6 6.1 9.1



#80
 Pyrene
 Concen: 15.281 ng/ul
 RT: 19.47 min Scan# 2802
 Delta R.T. -0.00 min
 Lab File: BM023284.D
 Acq: 19 Oct 2019 12:43

Tgt Ion:202 Resp: 1894743
 Ion Ratio Lower Upper
 202 100
 101 11.4 9.1 13.7
 100 9.4 7.5 11.3





#83

Benzo(a)anthracene

Concen: 8.543 ng/ul

RT: 21.22 min Scan# 3099

Delta R.T. -0.01 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

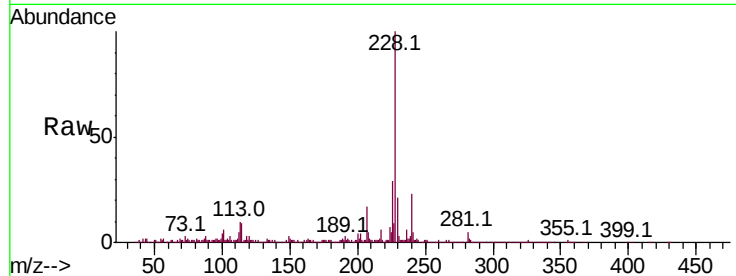
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1145707

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.7	23.5
226	29.1	21.6	32.4

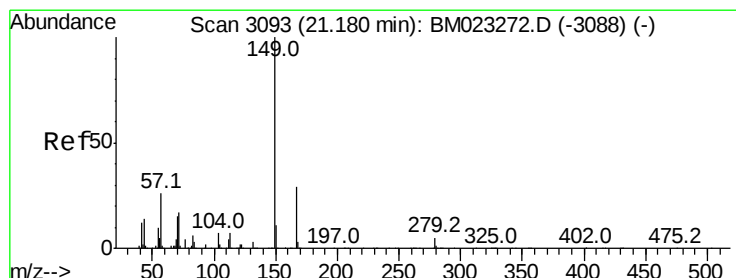
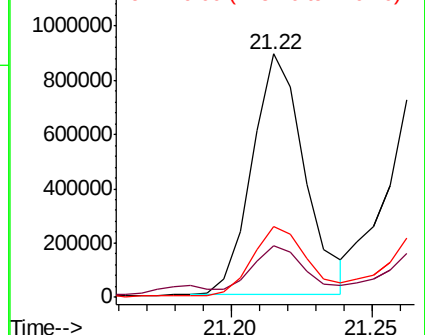
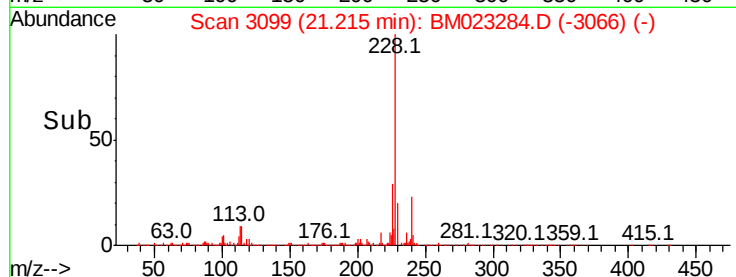


Abundance

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



#84

Bis(2-ethylhexyl)phthalate

Concen: 41.674 ng/ul

RT: 21.18 min Scan# 3093

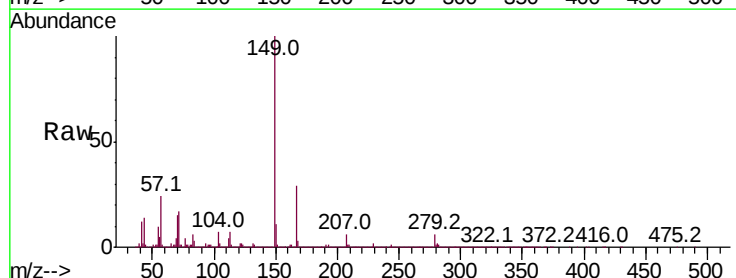
Delta R.T. -0.00 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

Tgt Ion:149 Resp: 2857805

Ion	Ratio	Lower	Upper
149	100		
167	28.6	22.5	33.7
279	5.9	4.0	6.0

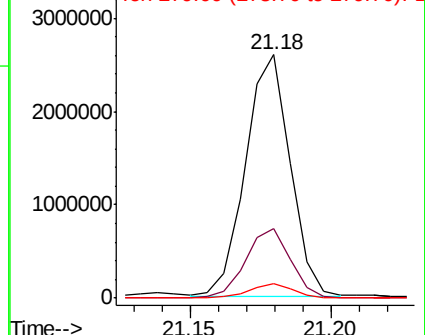
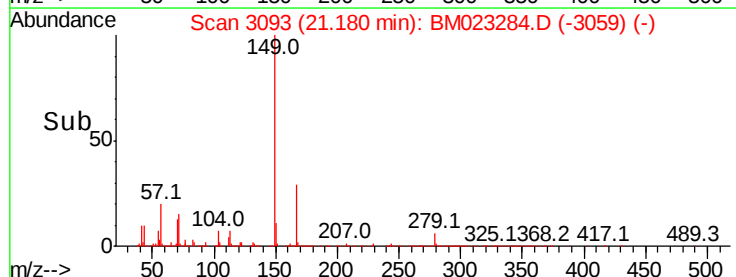


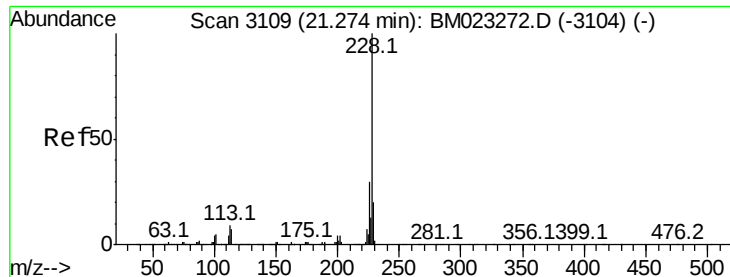
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

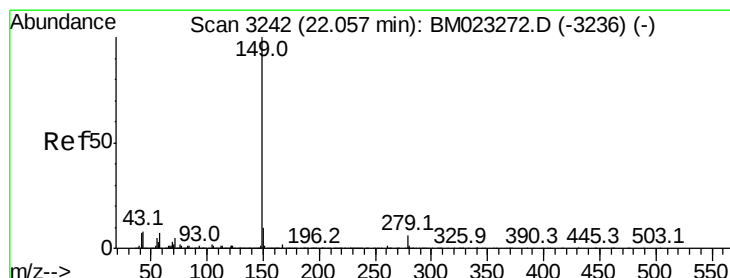
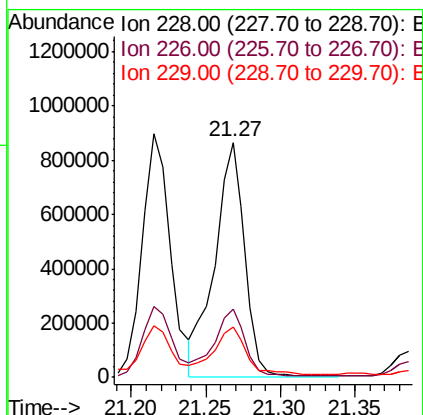
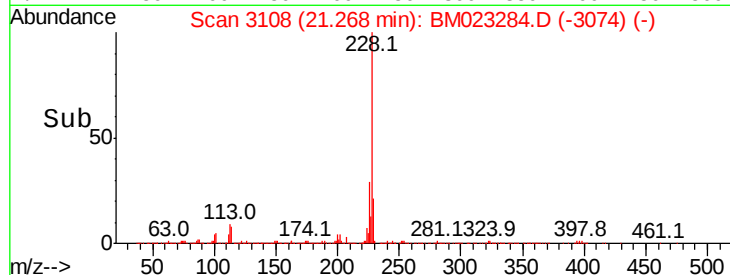
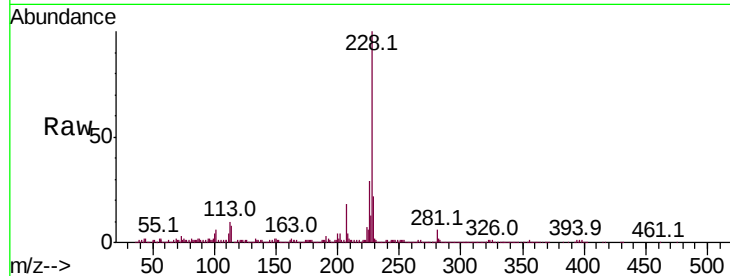




#85
Chrysene
Concen: 9.723 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. -0.00 min
Lab File: BM023284.D
Acq: 19 Oct 2019 12:43

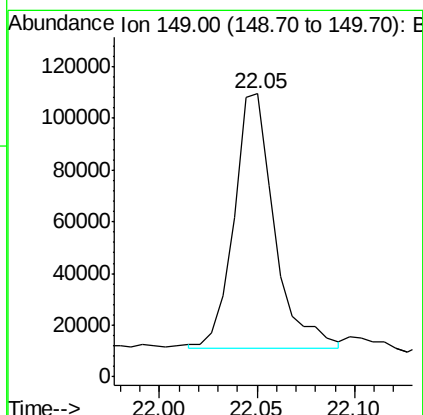
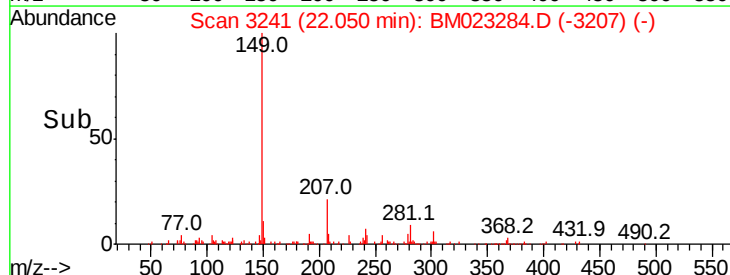
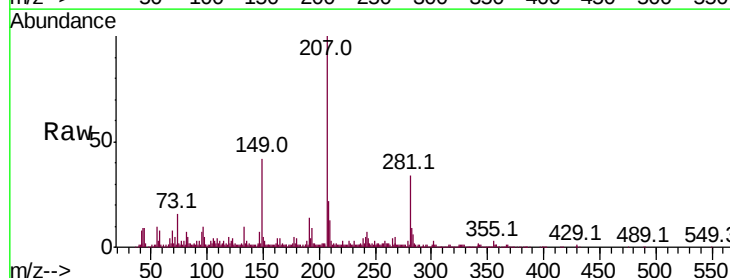
Instrument :
BNA_M
ClientSampleId :

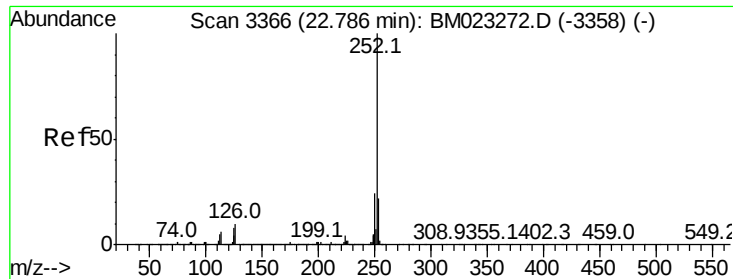
Tot Ion:228 Resp: 1210826
Ion Ratio Lower Upper
228 100
226 29.0 23.8 35.6
229 21.7 15.5 23.3



#87
Di-n-octyl phthalate
Concen: 1.129 ng/ul
RT: 22.05 min Scan# 3241
Delta R.T. -0.00 min
Lab File: BM023284.D
Acq: 19 Oct 2019 12:43

Tgt Ion:149 Resp: 141738





#88

Benzo(b)fluoranthene

Concen: 10.236 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.00 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

Instrument :

BNA_M

ClientSampleId :

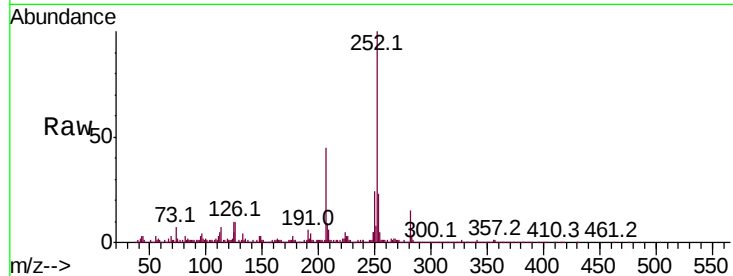
Tot Ion:252 Resp: 1510690

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

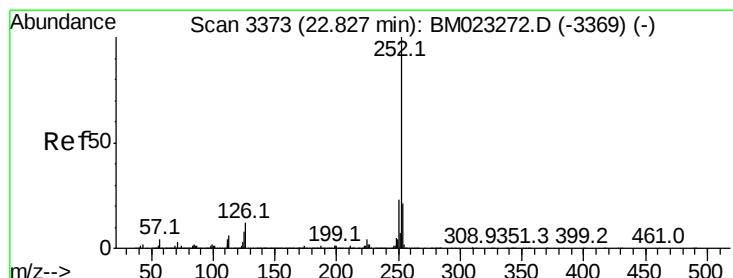
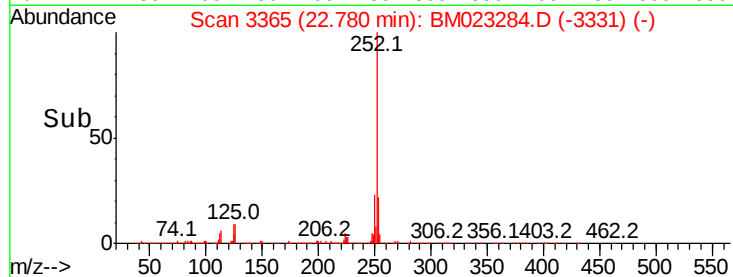
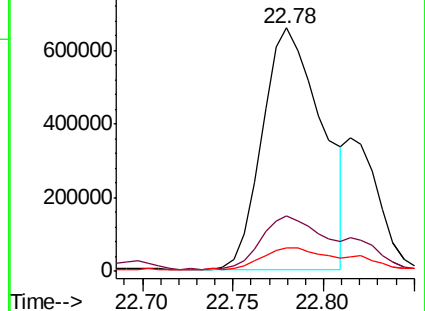
125 9.6 6.4 9.6#



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



#89

Benzo(k)fluoranthene

Concen: 10.660 ng/ul

RT: 22.78 min Scan# 3365

Delta R.T. -0.04 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

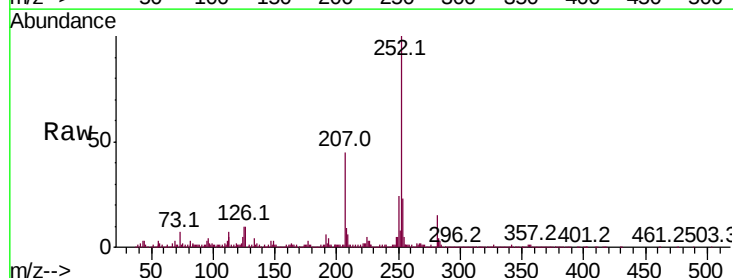
Tgt Ion:252 Resp: 1510690

Ion Ratio Lower Upper

252 100

253 23.0 17.4 26.0

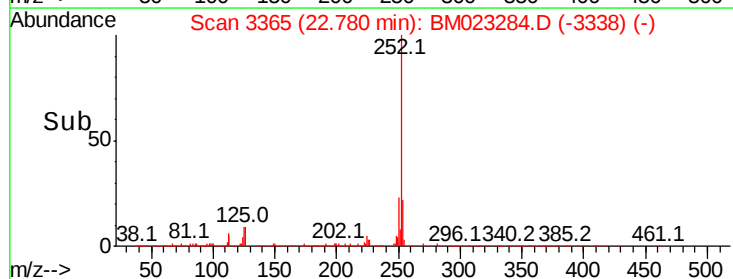
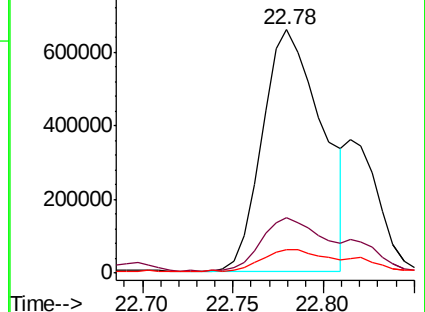
125 9.6 6.5 9.7

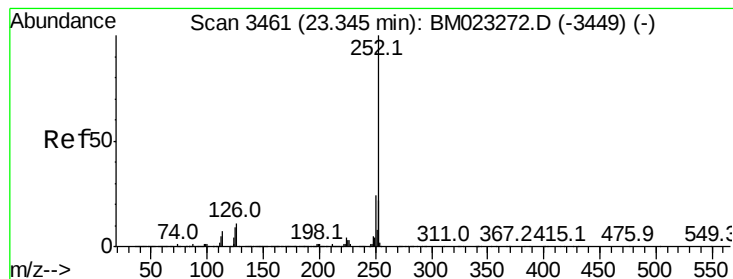


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a)pyrene

Concen: 8.303 ng/ul

RT: 23.34 min Scan# 3460

Delta R.T. -0.01 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

Instrument :

BNA_M

ClientSampled :

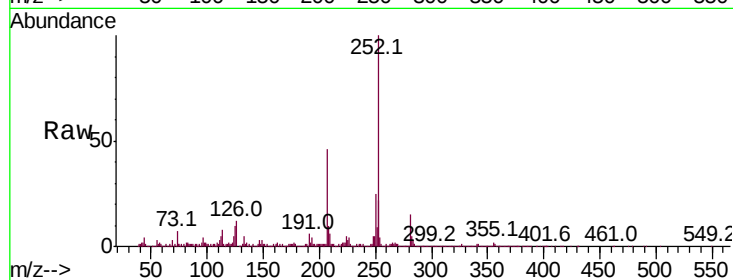
Tot Ion:252 Resp: 1175680

Ion Ratio Lower Upper

252 100

253 22.3 17.2 25.8

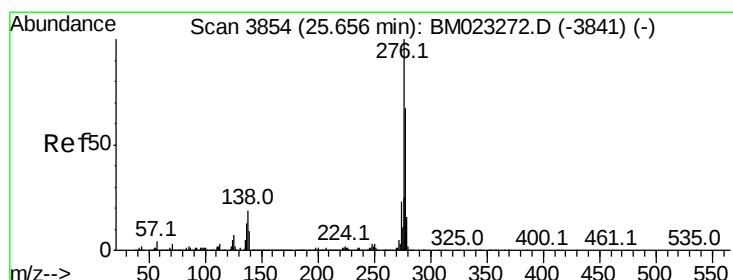
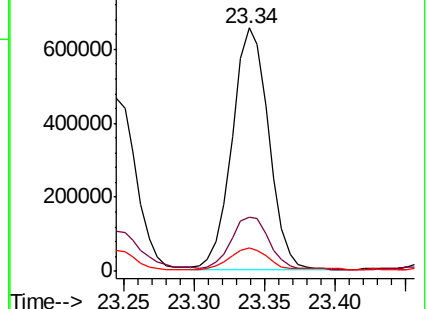
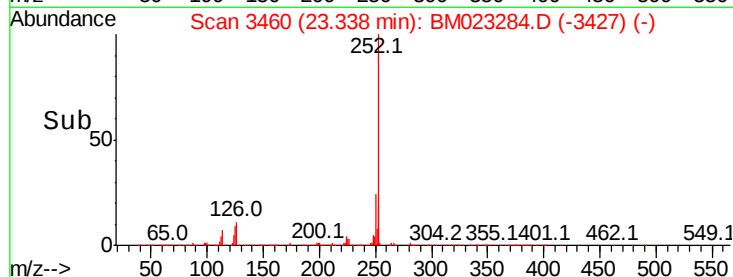
125 9.6 7.4 11.0



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: 4.437 ng/ul

RT: 25.64 min Scan# 3852

Delta R.T. -0.01 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

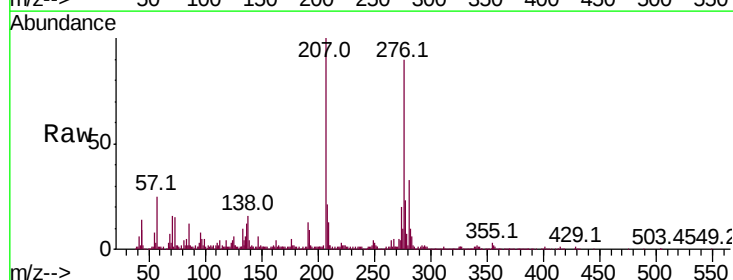
Tgt Ion:276 Resp: 747436

Ion Ratio Lower Upper

276 100

138 17.6 14.9 22.3

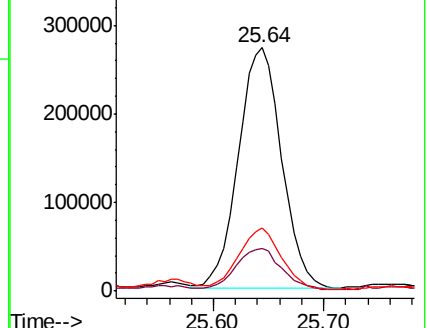
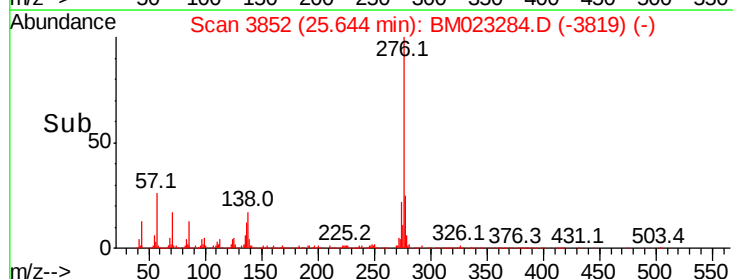
277 25.8 19.8 29.8

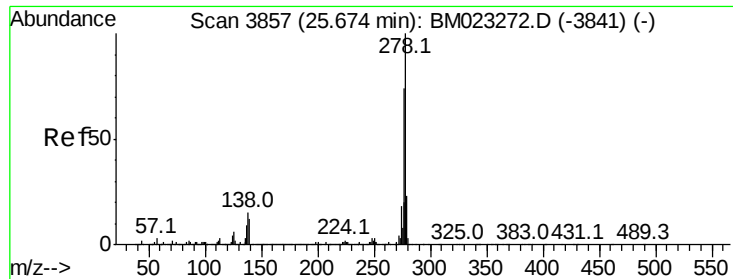


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 1.585 ng/ul

RT: 25.65 min Scan# 3853

Delta R.T. -0.01 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

Instrument :

BNA_M

ClientSampleId :

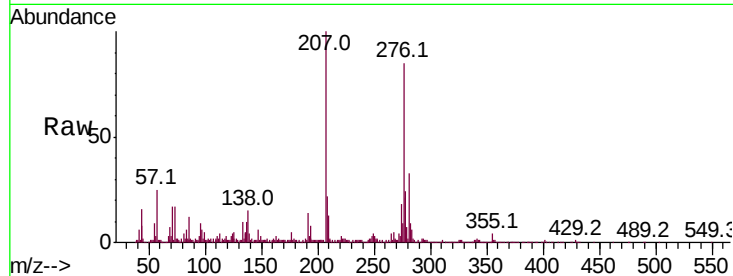
Tot Ion:278 Resp: 223230

Ion Ratio Lower Upper

278 100

139 16.5 10.0 15.0#

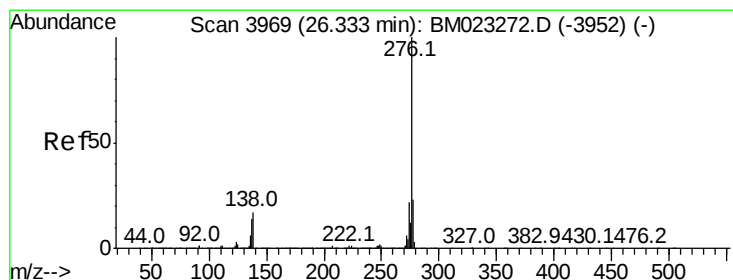
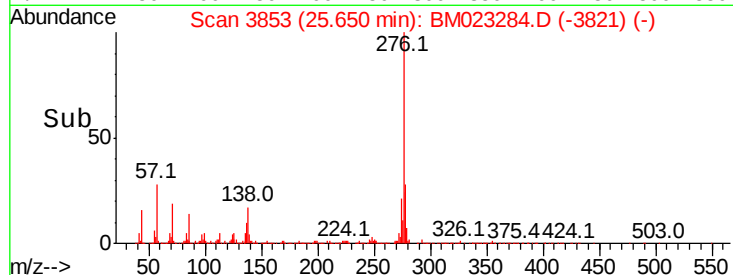
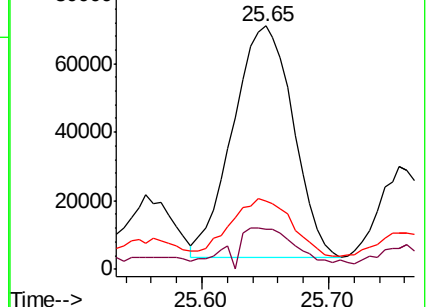
279 27.8 19.4 29.0



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#94

Benzo(g,h,i)perylene

Concen: 5.527 ng/ul

RT: 26.31 min Scan# 3966

Delta R.T. -0.01 min

Lab File: BM023284.D

Acq: 19 Oct 2019 12:43

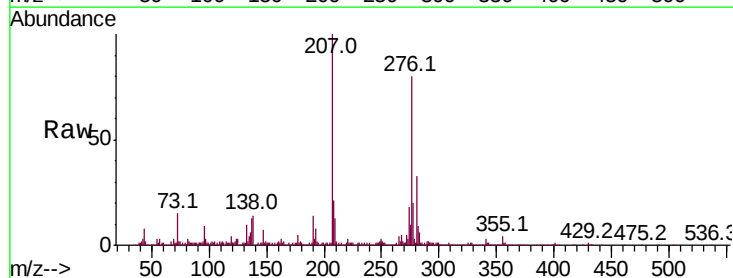
Tgt Ion:276 Resp: 766607

Ion Ratio Lower Upper

276 100

138 17.8 14.4 21.6

277 24.7 19.4 29.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

