

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102819\
 Data File : BM023416.D
 Acq On : 28 Oct 2019 13:12
 Operator : JU
 Sample : K5395-11
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 29 11:48:08 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM102319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 25 07:44:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.63	152	438380	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.40	136	1737466	20.00	ng/ul	-0.02
36) Acenaphthene-d10	14.27	164	1032743	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.02	188	2021977	20.00	ng/ul	-0.01
78) Chrysene-d12	21.22	240	1999106	20.00	ng/ul	0.00
86) Perylene-d12	23.42	264	2406767	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.15	96	36713	3.98	ng/uL	0.00
5) Phenol-d5	6.81	99	650652	17.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.97	67	407713	18.89	ng/ul	-0.01
9) 2-Chlorophenol-d4	7.16	132	553450	19.23	ng/ul	-0.01
13) 4-Methylphenol-d8	8.34	113	436505	14.60	ng/ul	-0.01
19) Nitrobenzene-d5	8.77	128	273737	20.93	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.49	143	301664	20.79	ng/ul	-0.02
26) 2,4-Dichlorophenol-d3	10.03	165	543485	19.06	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.55	131	404753	12.34	ng/ul	-0.01
44) Dimethylphthalate-d6	13.69	166	1642237	20.94	ng/ul	-0.01
47) Acenaphthylene-d8	13.97	160	1946561	21.67	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.49	143	176778	13.01	ng/ul	0.00
58) Fluorene-d10	15.27	176	1429867	21.53	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.40	200	149079	11.84	ng/ul	0.00
71) Anthracene-d10	17.12	188	2147579	22.47	ng/ul	-0.01
79) Pyrene-d10	19.42	212	2305283	20.97	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.28	264	2750469	22.43	ng/ul	0.00

Target Compounds

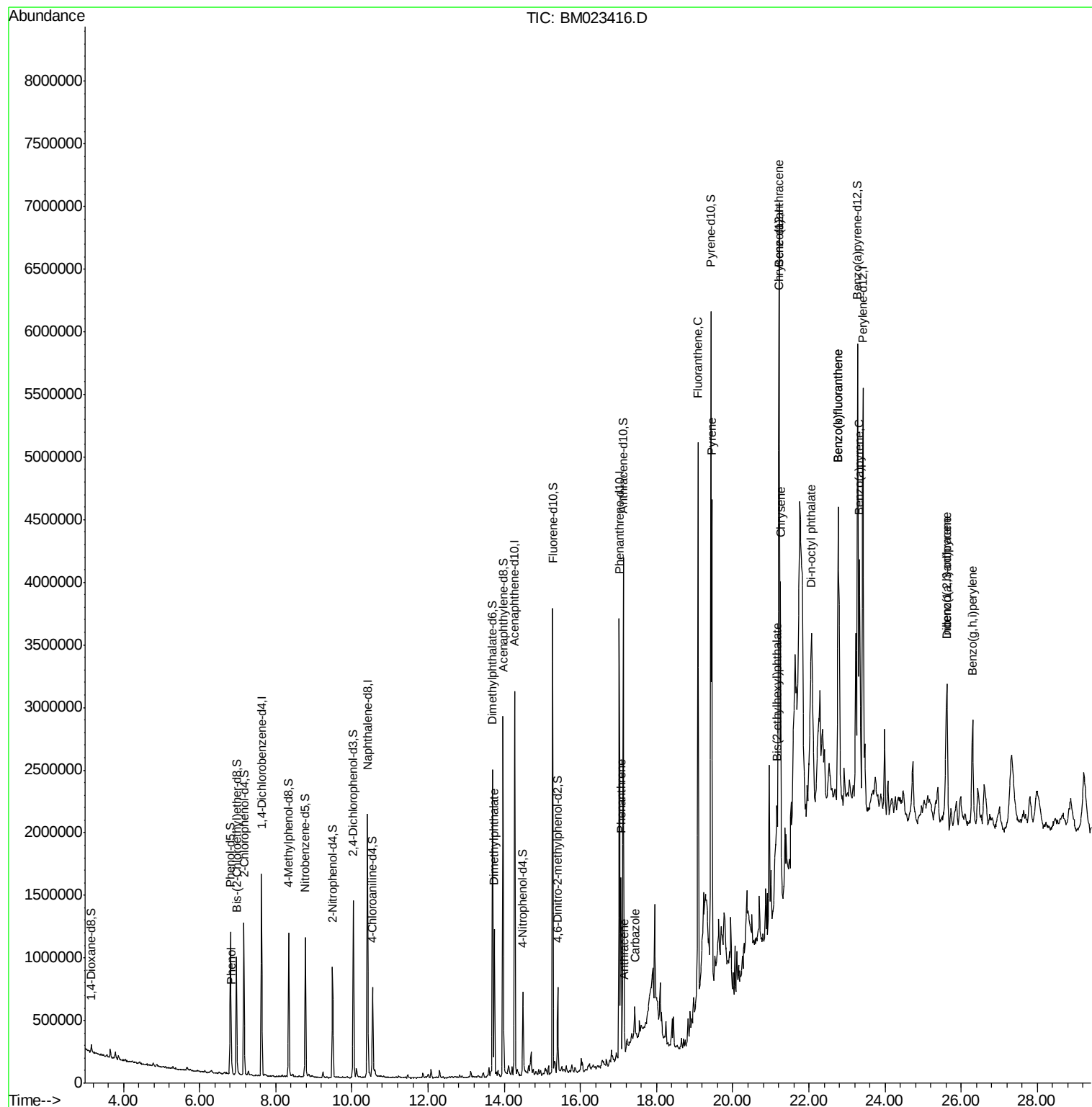
					Ovalue
6) Phenol	6.83	94	71901	1.896	ng/ul 98
45) Dimethylphthalate	13.74	163	750514	9.531	ng/ul 99
70) Phenanthrene	17.07	178	874246	7.737	ng/ul 100
72) Anthracene	17.16	178	134278	1.173	ng/ul 97
75) Carbazole	17.43	167	116551	1.208	ng/ul 98
77) Fluoranthene	19.09	202	2684311	22.775	ng/ul 98
80) Pyrene	19.45	202	2241312	15.877	ng/ul 99
83) Benzo(a)anthracene	21.20	228	1258974	9.416	ng/ul 98
84) Bis(2-ethylhexyl)phthalate	21.16	149	119567	1.476	ng/ul# 90
85) Chrysene	21.26	228	1341178	10.872	ng/ul 98
87) Di-n-octyl phthalate	22.07	149	251532	1.777	ng/ul 100
88) Benzo(b)fluoranthene	22.76	252	2015295	13.038	ng/ul 98
89) Benzo(k)fluoranthene	22.76	252	2015295	13.884	ng/ul 98
91) Benzo(a)pyrene	23.33	252	1361888	9.732	ng/ul 100
92) Indeno(1,2,3-cd)pyrene	25.62	276	1094459	7.223	ng/ul 97
93) Dibenzo(a,h)anthracene	25.63	278	258647	2.024	ng/ul# 83
94) Benzo(g,h,i)perylene	26.30	276	1076654	8.733	ng/ul 99

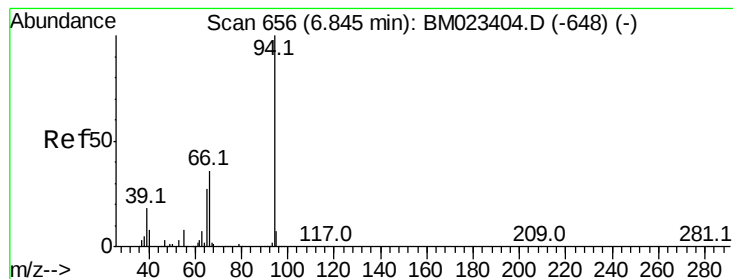
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Oct 25 07:44:12 2019
Response via : Initial Calibration





#6

Phenol

Concen: 1.896 ng/ul

RT: 6.83 min Scan# 654

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

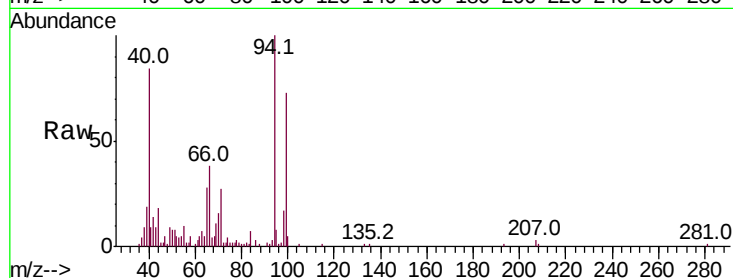
Instrument :

BNA_M

ClientSampleId :

Tot Ion: 94 Resp: 71901

Ion	Ratio	Lower	Upper
94	100		
65	28.2	22.9	34.3
66	37.9	31.4	47.2

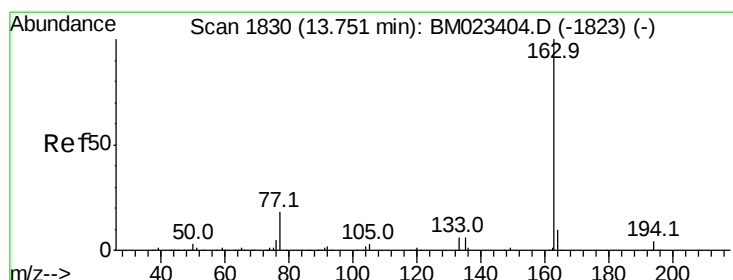
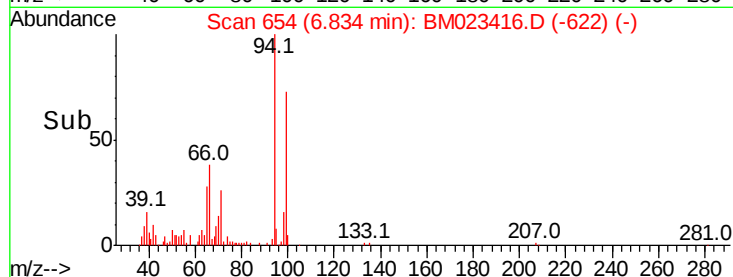
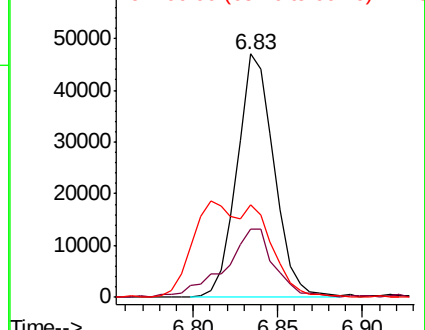


Abundance

Ion 94.00 (93.70 to 94.70): BM023404.D (-648) (-)

Ion 65.00 (64.70 to 65.70): BM023404.D (-648) (-)

Ion 66.00 (65.70 to 66.70): BM023404.D (-648) (-)



#45

Dimethylphthalate

Concen: 9.531 ng/ul

RT: 13.74 min Scan# 1828

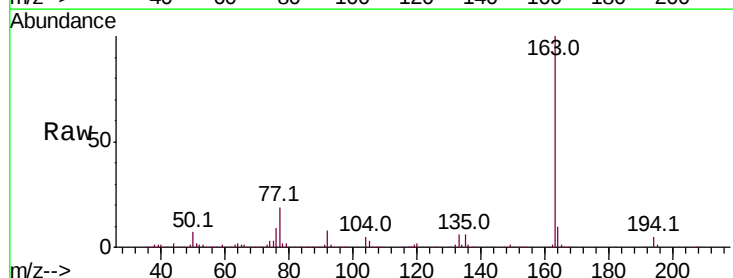
Delta R.T. -0.02 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

Tgt Ion: 163 Resp: 750514

Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.3	4.9
164	9.8	7.9	11.9

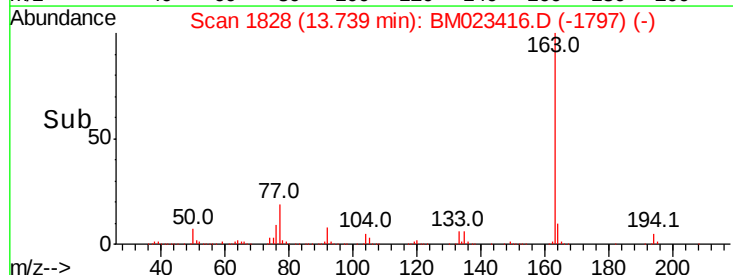
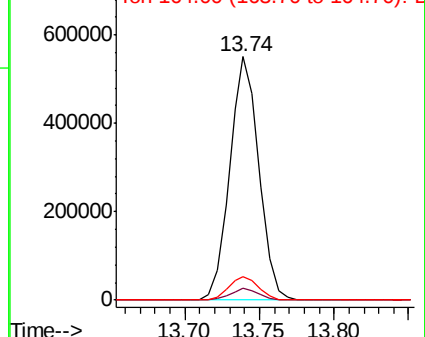


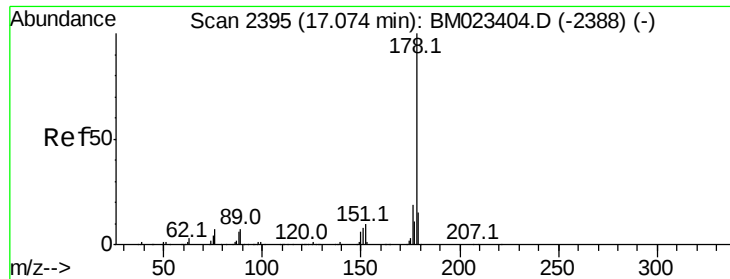
Abundance

Ion 163.00 (162.70 to 163.70): BM023404.D (-1823) (-)

Ion 194.00 (193.70 to 194.70): BM023404.D (-1823) (-)

Ion 164.00 (163.70 to 164.70): BM023404.D (-1823) (-)





#70

Phenanthrene

Concen: 7.737 ng/ul

RT: 17.07 min Scan# 2394

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

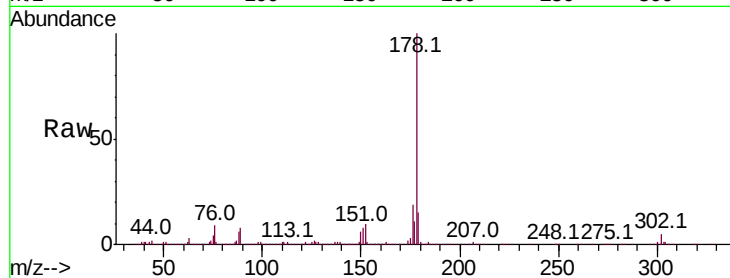
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 874246

Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2
176	18.9	14.9	22.3

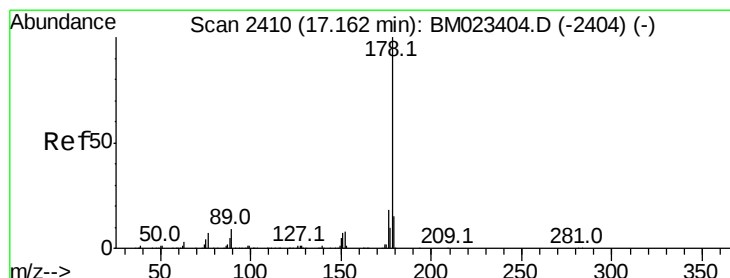
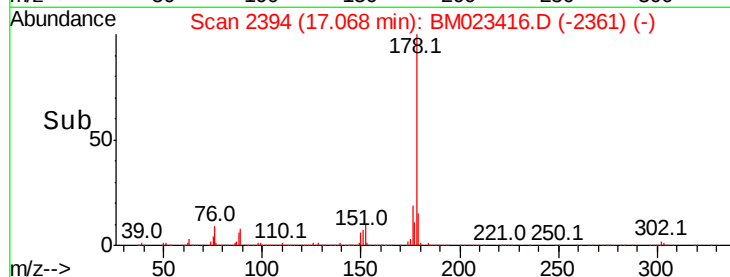
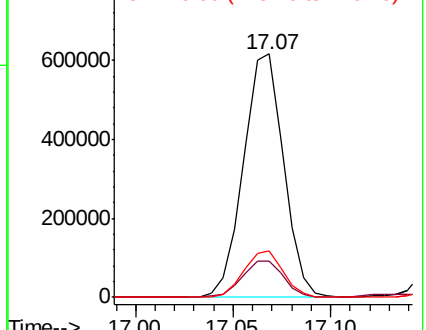


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 1.173 ng/ul

RT: 17.16 min Scan# 2409

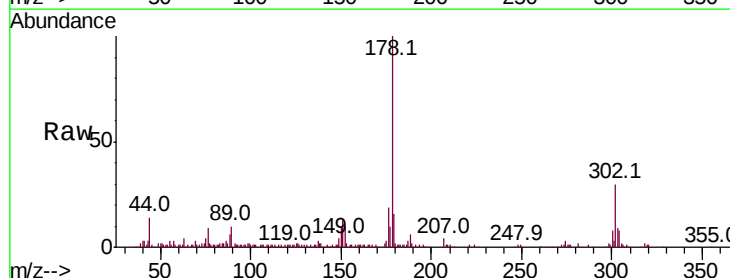
Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

Tgt Ion:178 Resp: 134278

Ion	Ratio	Lower	Upper
178	100		
179	16.3	12.1	18.1
176	19.3	14.4	21.6

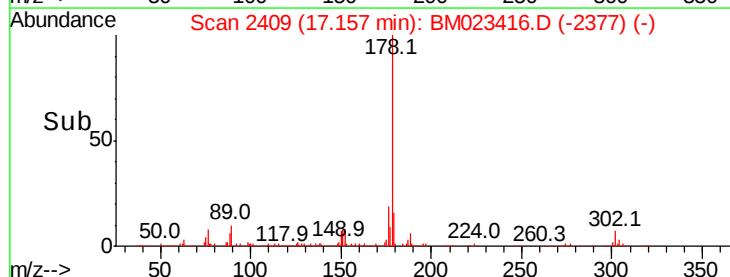
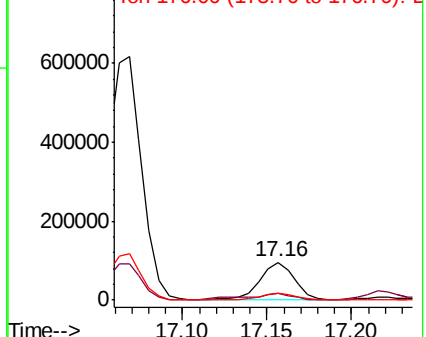


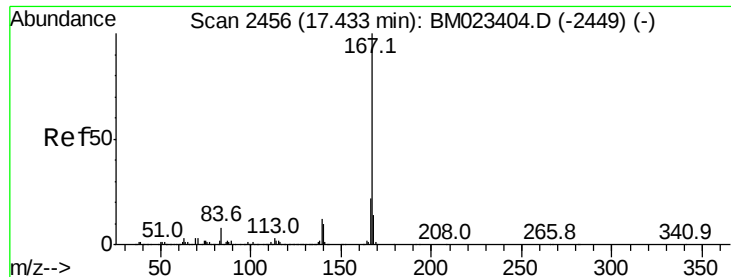
Abundance

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: 1.208 ng/ul

RT: 17.43 min Scan# 2455

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

Instrument :

BNA_M

ClientSampleId :

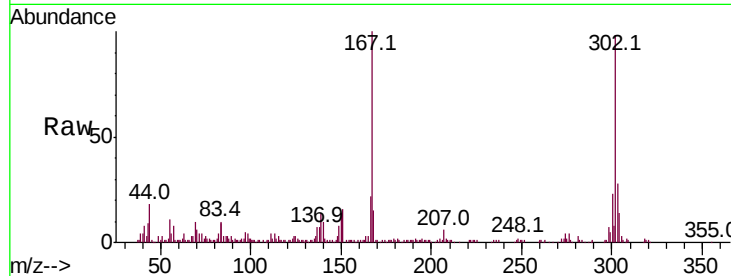
Tot Ion:167 Resp: 116551

Ion Ratio Lower Upper

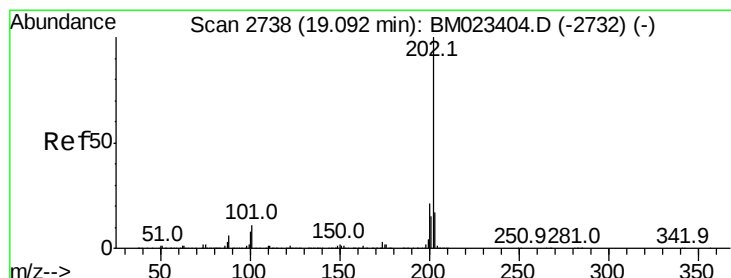
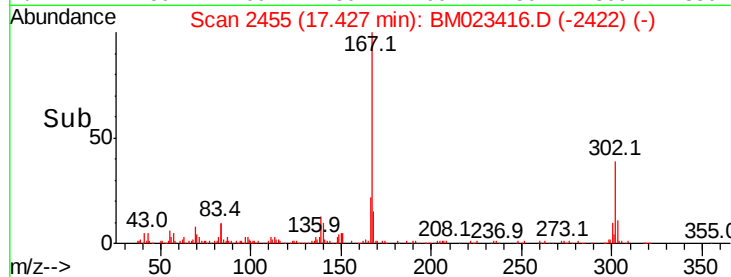
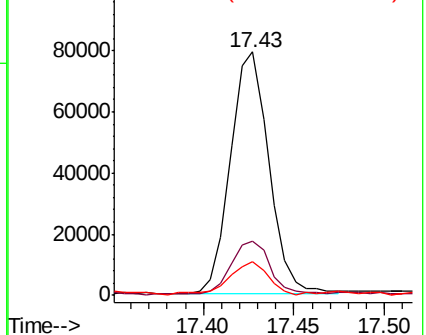
167 100

166 22.2 17.1 25.7

139 13.7 10.0 15.0



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: 22.775 ng/ul

RT: 19.09 min Scan# 2737

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

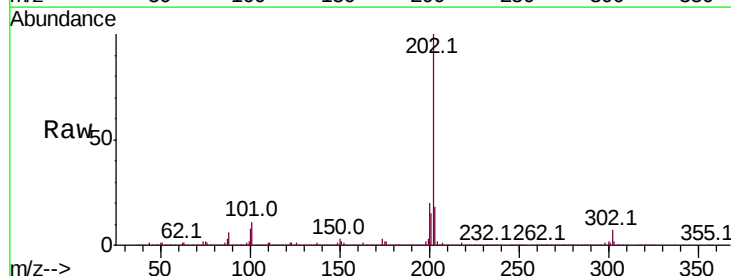
Tgt Ion:202 Resp: 2684311

Ion Ratio Lower Upper

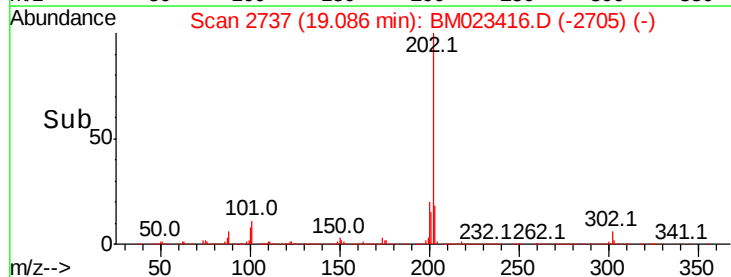
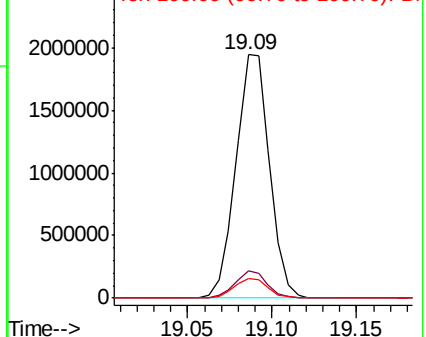
202 100

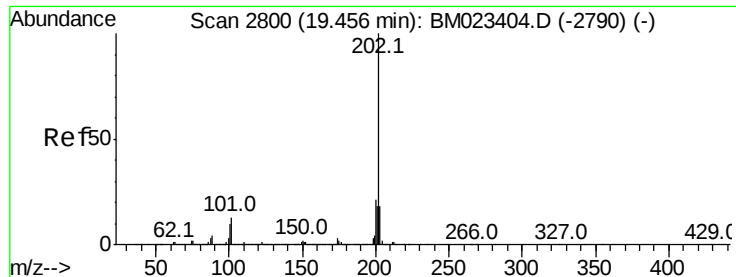
101 11.1 8.1 12.1

100 8.2 6.2 9.2



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

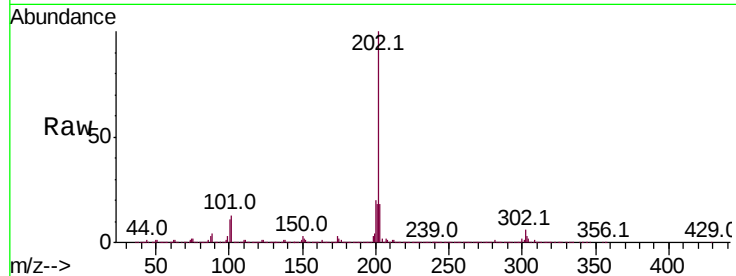




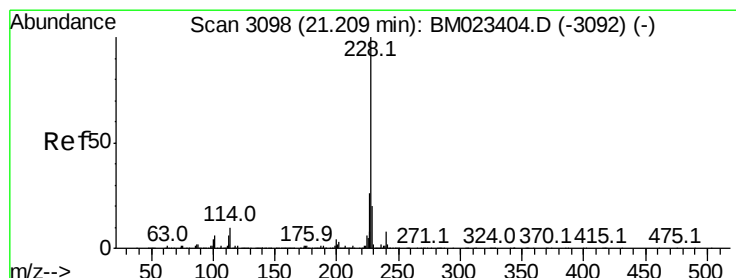
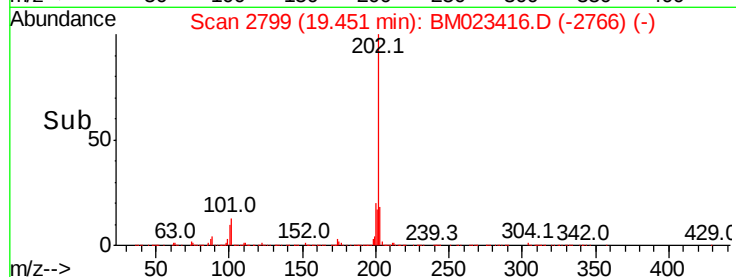
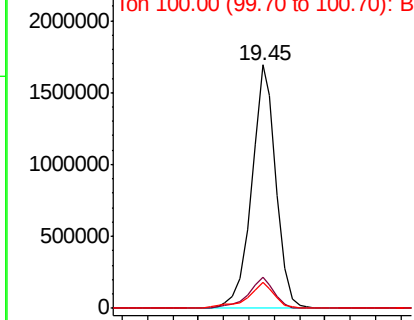
#80
Pvrene
Concen: 15.877 ng/ul
RT: 19.45 min Scan# 2799
Delta R.T. -0.01 min
Lab File: BM023416.D
Acq: 28 Oct 2019 13:12

Instrument :
BNA_M
ClientSampled :

Tot Ion:202 Resp: 2241312
Ion Ratio Lower Upper
202 100
101 12.6 10.0 15.0
100 10.7 8.3 12.5

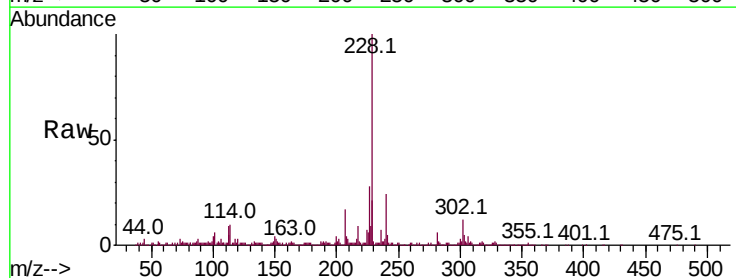


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

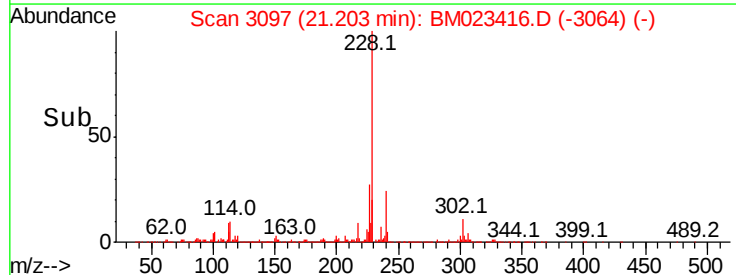
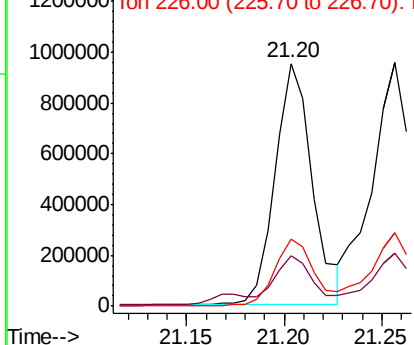


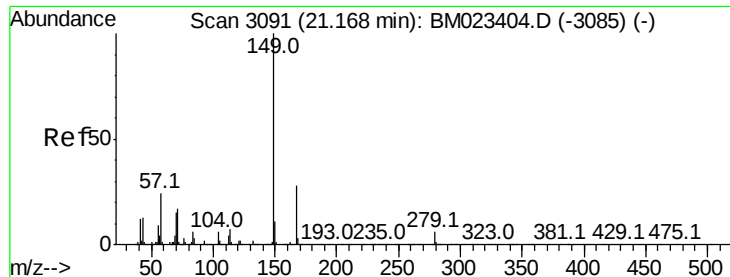
#83
Benzo(a)anthracene
Concen: 9.416 ng/ul
RT: 21.20 min Scan# 3097
Delta R.T. -0.01 min
Lab File: BM023416.D
Acq: 28 Oct 2019 13:12

Tgt Ion:228 Resp: 1258974
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.8
226 27.7 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: 1.476 ng/ul

RT: 21.16 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

Instrument :

BNA_M

ClientSampleId :

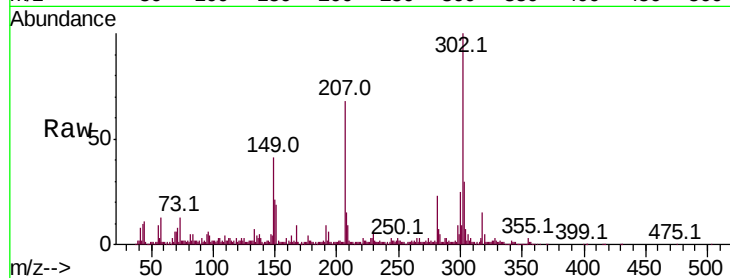
Tot Ion:149 Resp: 119567

Ion Ratio Lower Upper

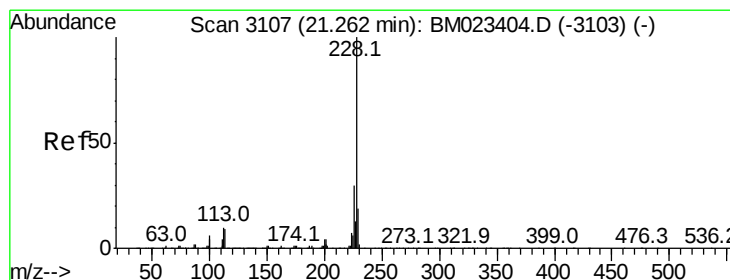
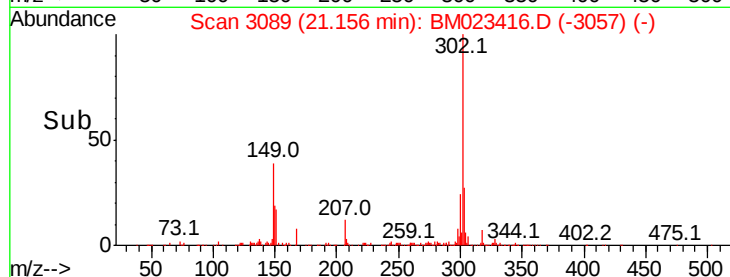
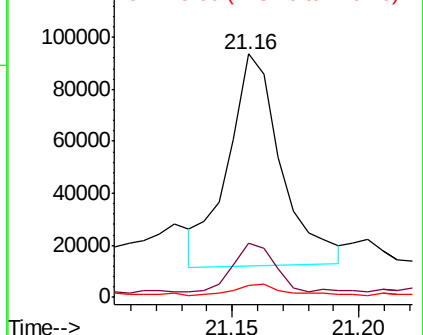
149 100

167 22.4 22.9 34.3#

279 4.9 4.1 6.1



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: 10.872 ng/ul

RT: 21.26 min Scan# 3106

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

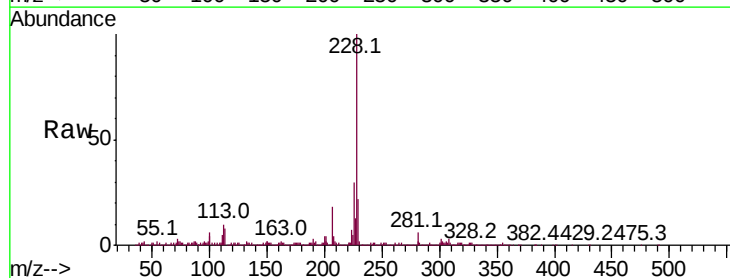
Tgt Ion:228 Resp: 1341178

Ion Ratio Lower Upper

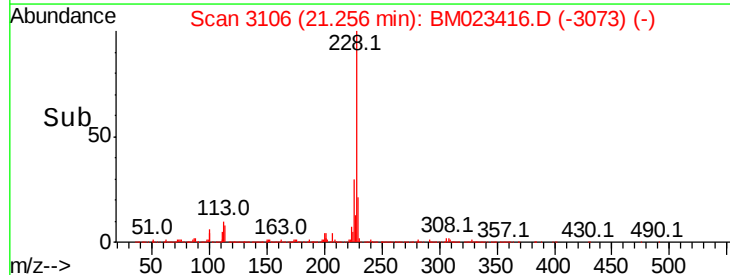
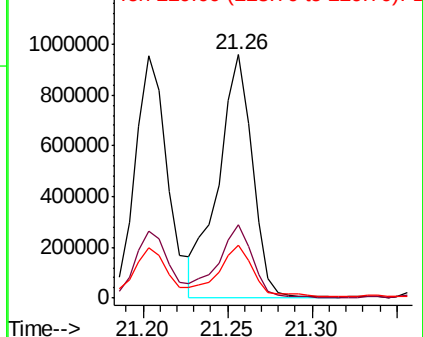
228 100

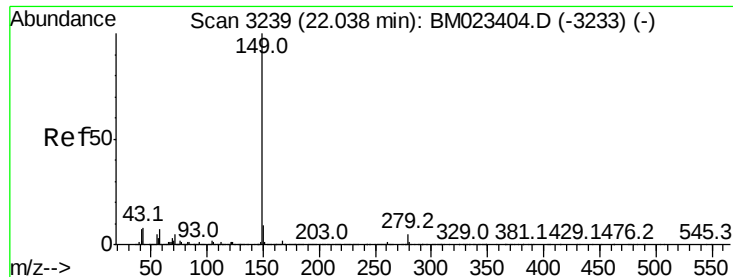
226 30.0 24.0 36.0

229 21.8 16.0 24.0



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

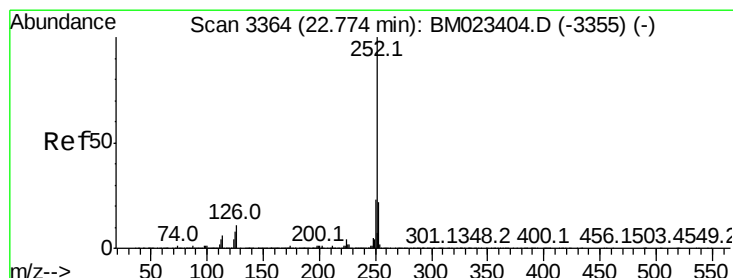
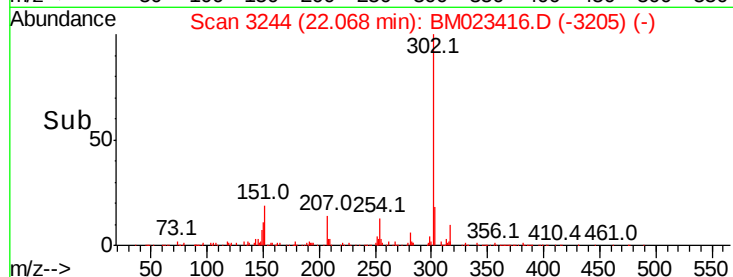
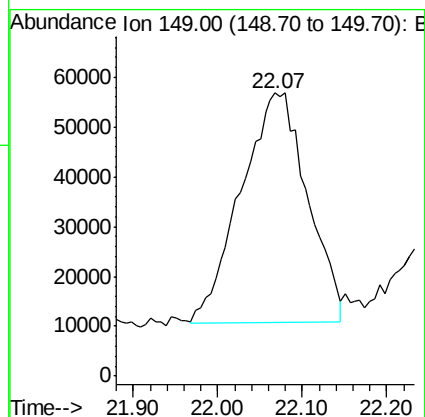
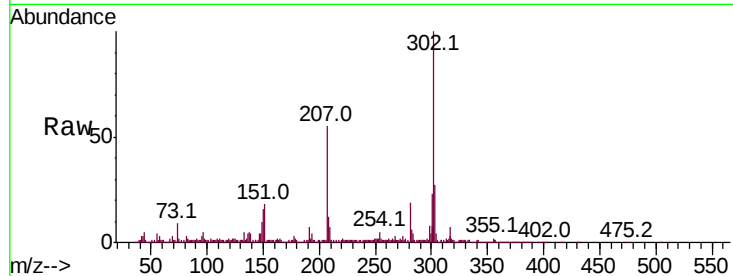




#87
 Di-n-octyl phthalate
 Concen: 1.777 ng/ul
 RT: 22.07 min Scan# 3244
 Delta R.T. 0.03 min
 Lab File: BM023416.D
 Acq: 28 Oct 2019 13:12

Instrument :
 BNA_M
 ClientSampled :

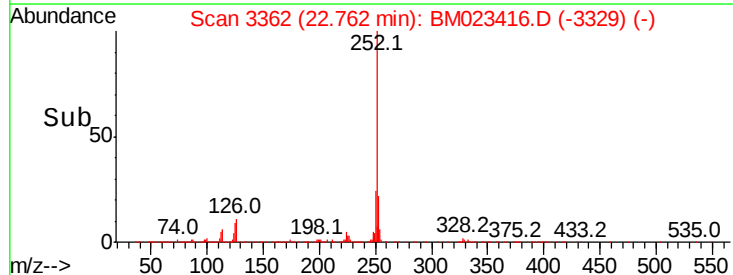
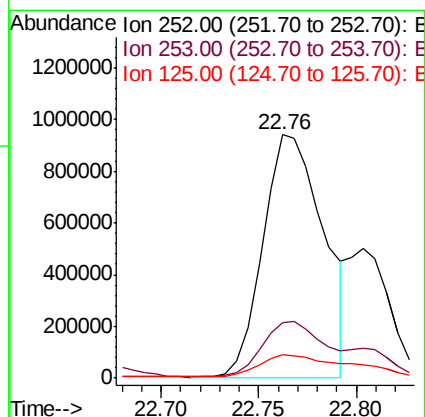
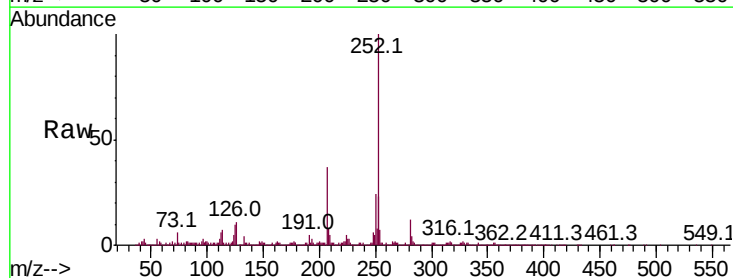
Tgt Ion:149 Resp: 251532

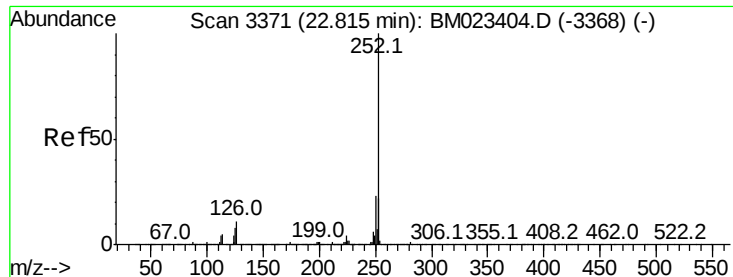


#88
 Benzo(b)fluoranthene
 Concen: 13.038 ng/ul
 RT: 22.76 min Scan# 3362
 Delta R.T. -0.01 min
 Lab File: BM023416.D
 Acq: 28 Oct 2019 13:12

Tgt Ion:252 Resp: 2015295

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	9.5	7.1	10.7





#89

Benzo(k)fluoranthene

Concen: 13.884 ng/ul

RT: 22.76 min Scan# 3362

Delta R.T. -0.05 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

Instrument :

BNA_M

ClientSampleId :

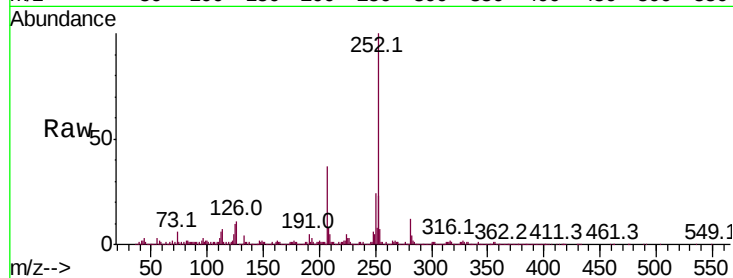
Tot Ion:252 Resp: 2015295

Ion Ratio Lower Upper

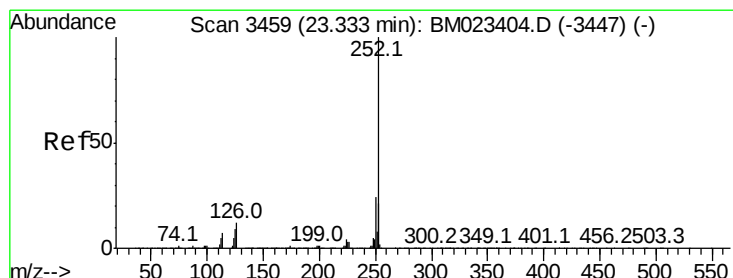
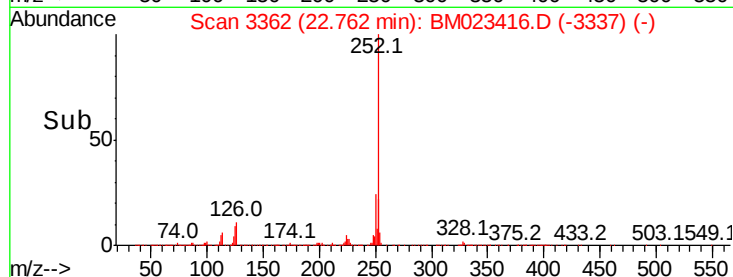
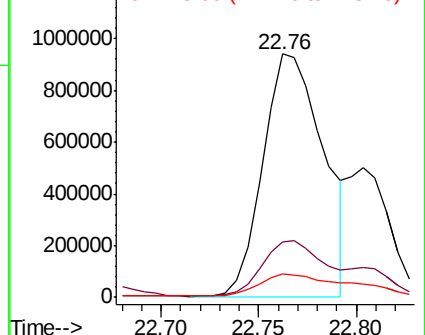
252 100

253 22.9 17.8 26.6

125 9.5 6.8 10.2



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



#91

Benzo(a)pyrene

Concen: 9.732 ng/ul

RT: 23.33 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

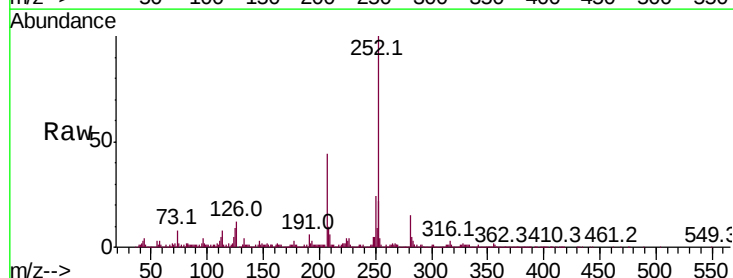
Tgt Ion:252 Resp: 1361888

Ion Ratio Lower Upper

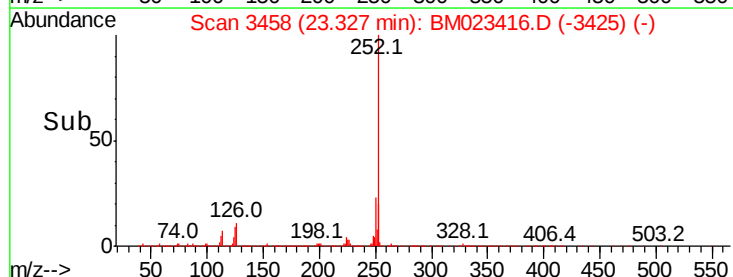
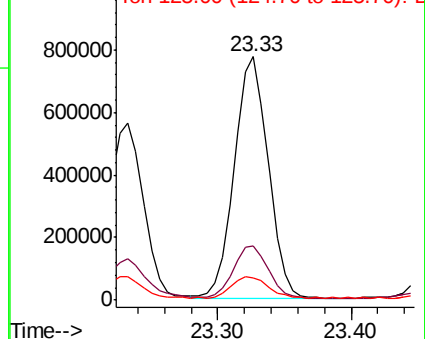
252 100

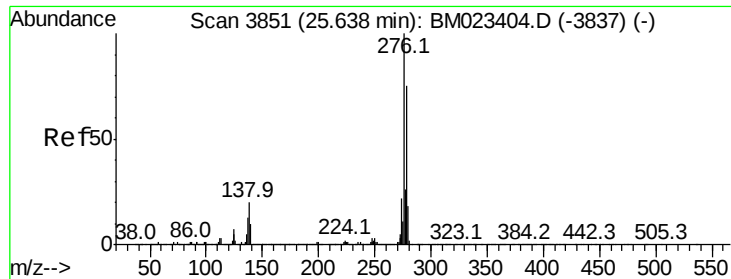
253 22.0 17.7 26.5

125 9.4 7.5 11.3



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



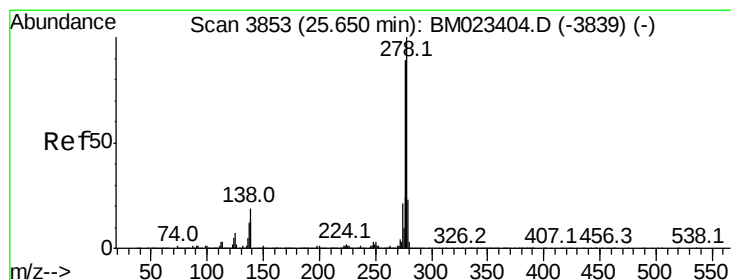
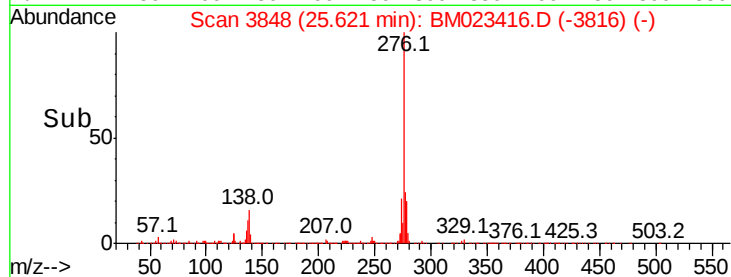
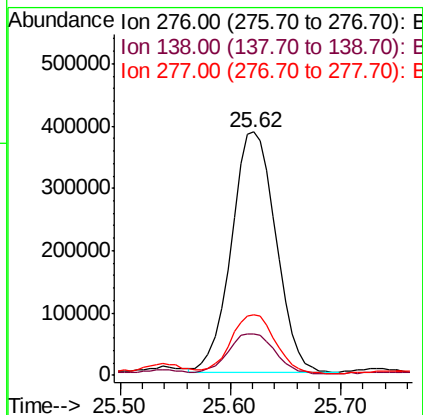
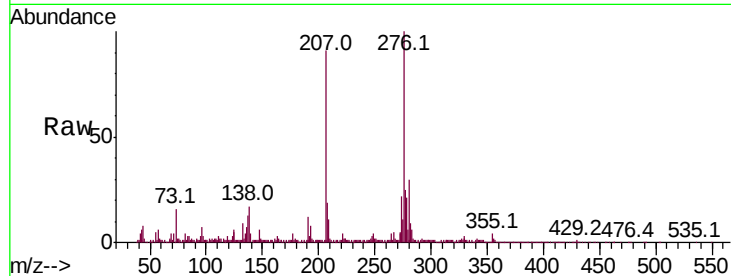


#92

Indeno(1,2,3-cd)pyrene
Concen: 7.223 ng/ul
RT: 25.62 min Scan# 3848
Delta R.T. -0.01 min
Lab File: BM023416.D
Acq: 28 Oct 2019 13:12

Instrument :
BNA_M
ClientSampled :

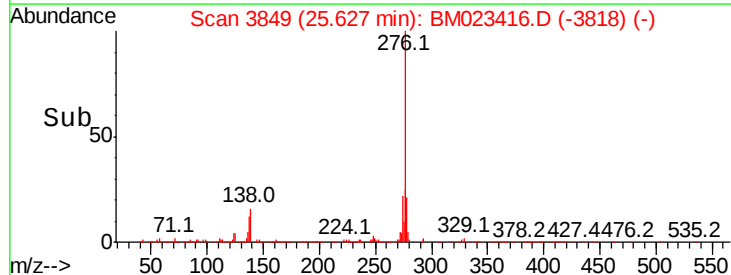
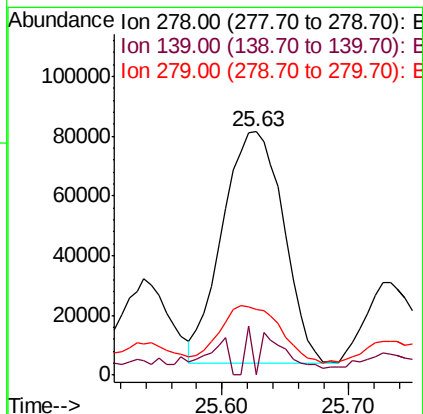
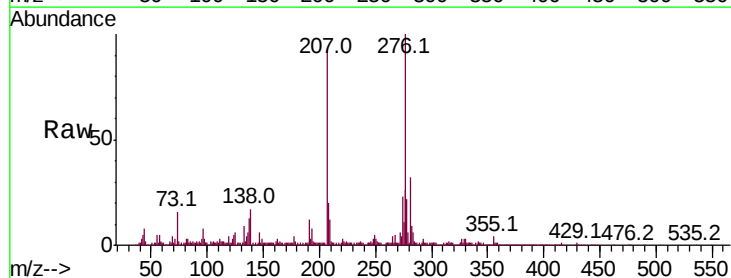
Tot Ion:276 Resp: 1094459
Ion Ratio Lower Upper
276 100
138 17.0 15.7 23.5
277 24.7 20.2 30.2

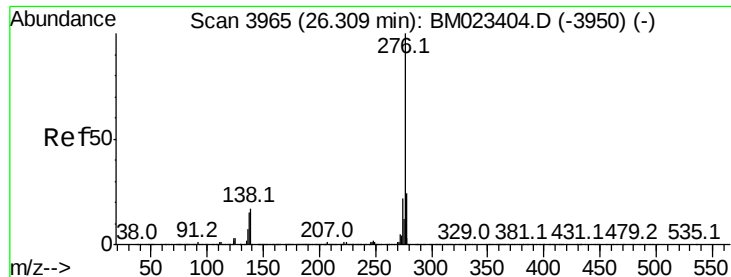


#93

Dibenzo(a,h)anthracene
Concen: 2.024 ng/ul
RT: 25.63 min Scan# 3849
Delta R.T. -0.02 min
Lab File: BM023416.D
Acq: 28 Oct 2019 13:12

Tgt Ion:278 Resp: 258647
Ion Ratio Lower Upper
278 100
139 0.0 10.9 16.3#
279 27.2 18.7 28.1





#94

Benzo(a,h,i)perylene

Concen: 8.733 ng/ul

RT: 26.30 min Scan# 3963

Delta R.T. -0.01 min

Lab File: BM023416.D

Acq: 28 Oct 2019 13:12

Instrument :

BNA_M

ClientSampleId :

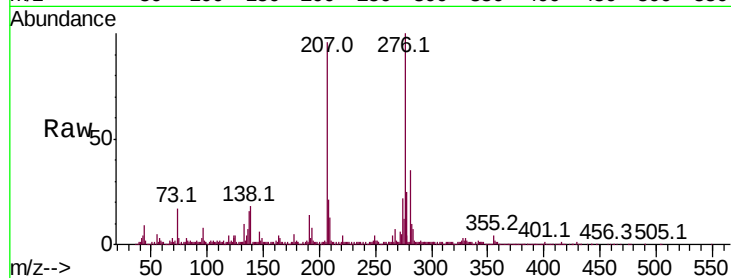
Tot Ion:276 Resp: 1076654

Ion Ratio Lower Upper

276 100

138 18.0 14.4 21.6

277 24.6 19.0 28.6



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

