

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM021020\
 Data File : BM024816.D
 Acq On : 10 Feb 2020 19:53
 Operator : CG/JU
 Sample : L1402-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 CB6L7

Quant Time: Feb 11 03:47:42 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM020620MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Feb 07 07:38:13 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.40	152	265612	20.00	ng/ul	0.00
18) Naphthalene-d8	10.16	136	1069122	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.06	164	706840	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.81	188	1548570	20.00	ng/ul	0.00
78) Chrysene-d12	21.02	240	1582295	20.00	ng/ul	-0.01
86) Perylene-d12	23.13	264	1629114	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	21101	3.82	ng/uL	0.00
5) Phenol-d5	6.60	99	375363	21.27	ng/ul	-0.01
7) Bis-(2-Chloroethyl)ether-d	6.75	67	227166	22.79	ng/ul	-0.01
9) 2-Chlorophenol-d4	6.94	132	341408	21.60	ng/ul	-0.01
13) 4-Methylphenol-d8	8.12	113	305895	20.55	ng/ul	-0.01
19) Nitrobenzene-d5	8.54	128	170834	22.10	ng/ul	-0.01
22) 2-Nitrophenol-d4	9.26	143	201443	22.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.79	165	364402	19.78	ng/ul	-0.01
29) 4-Chloroaniline-d4	10.30	131	432415	25.09	ng/ul	-0.01
44) Dimethylphthalate-d6	13.48	166	1173157	21.99	ng/ul	0.00
47) Acenaphthylene-d8	13.74	160	1397619	22.43	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.28	143	150660	17.38	ng/ul	0.00
58) Fluorene-d10	15.06	176	1037358	21.96	ng/ul	-0.01
63) 4,6-Dinitro-2-methylphenol	15.19	200	169046	16.75	ng/ul	0.00
71) Anthracene-d10	16.90	188	1530267	21.65	ng/ul	-0.01
79) Pyrene-d10	19.22	212	1823829	23.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.99	264	1912677	23.38	ng/ul	-0.01

Target Compounds

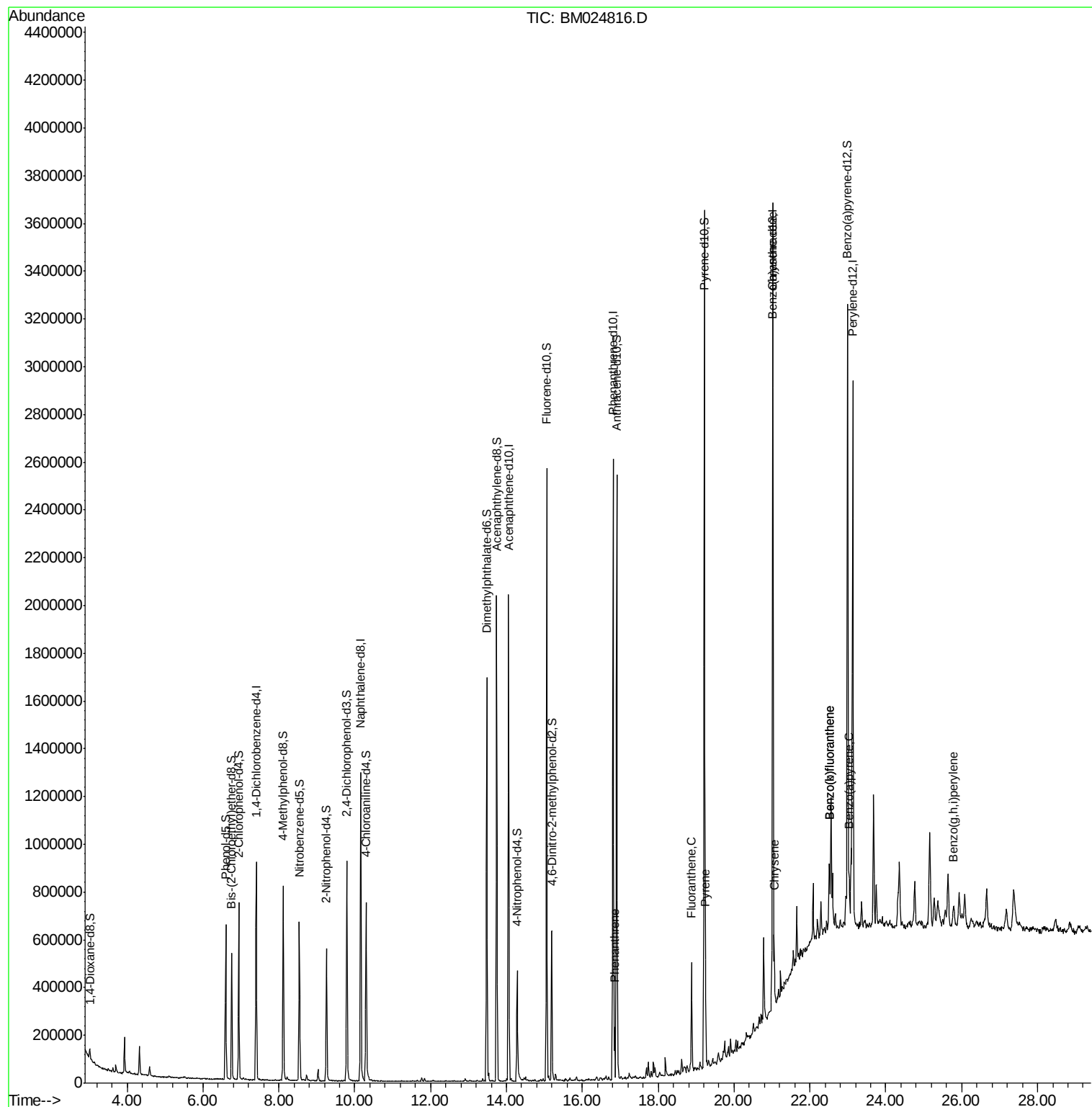
					Ovalue
70) Phenanthrene	16.85	178	131831	1.561 ng/ul	98
77) Fluoranthene	18.88	202	274214	2.645 ng/ul	98
80) Pyrene	19.24	202	267544	2.554 ng/ul	99
83) Benzo(a)anthracene	21.01	228	171225	1.606 ng/ul	96
85) Chrysene	21.06	228	168729	1.608 ng/ul	99
88) Benzo(b)fluoranthene	22.51	252	216483	2.090 ng/ul#	94
89) Benzo(k)fluoranthene	22.51	252	216483	2.171 ng/ul#	94
91) Benzo(a)pyrene	23.03	252	147252	1.585 ng/ul#	97
94) Benzo(a,h,i)perylene	25.79	276	105404	1.096 ng/ul	96

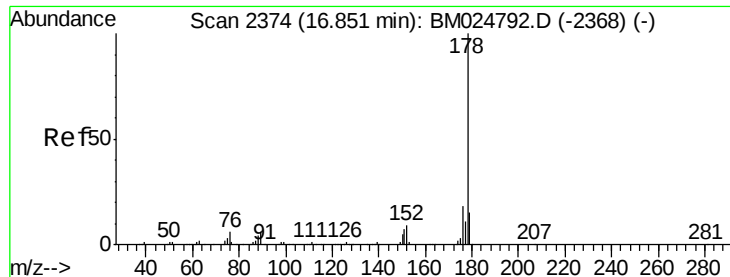
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#70

Phenanthrene

Concen: 1.561 ng/ul

RT: 16.85 min Scan# 2374

Delta R.T. -0.01 min

Lab File: BM024816.D

Acq: 10 Feb 2020 19:53

Instrument :

BNA_M

ClientSampleId :

CB6L7

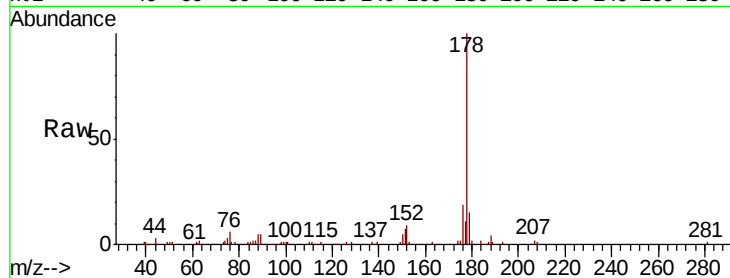
Tot Ion:178 Resp: 131831

Ion Ratio Lower Upper

178 100

179 14.8 12.2 18.2

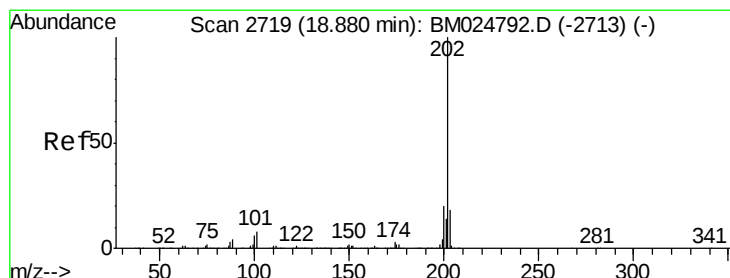
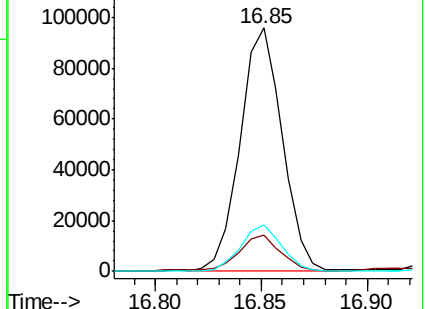
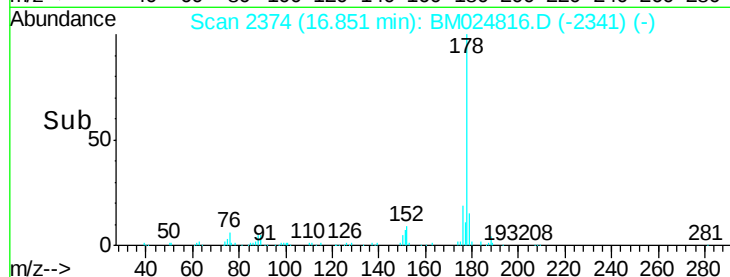
176 19.3 14.5 21.7



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: 2.645 ng/ul

RT: 18.88 min Scan# 2719

Delta R.T. -0.01 min

Lab File: BM024816.D

Acq: 10 Feb 2020 19:53

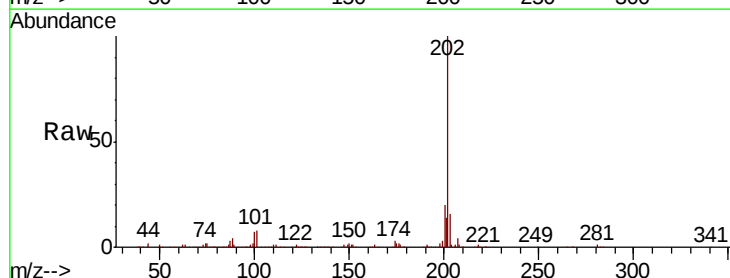
Tgt Ion:202 Resp: 274214

Ion Ratio Lower Upper

202 100

101 8.3 6.1 9.1

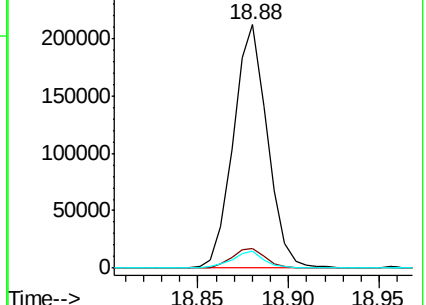
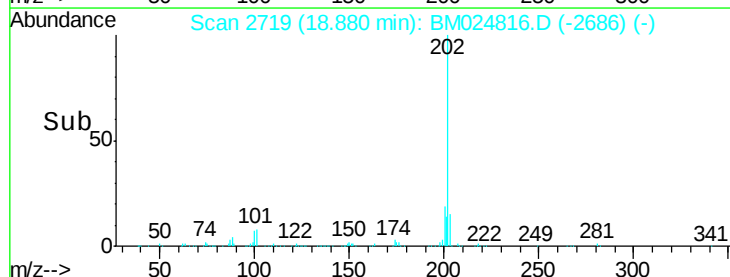
100 6.9 4.8 7.2

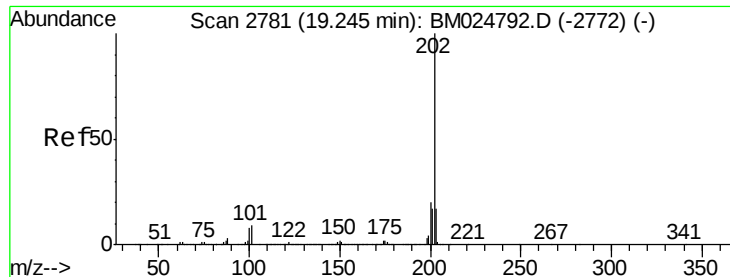


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

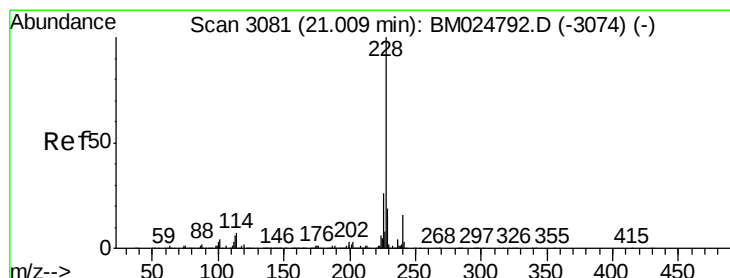
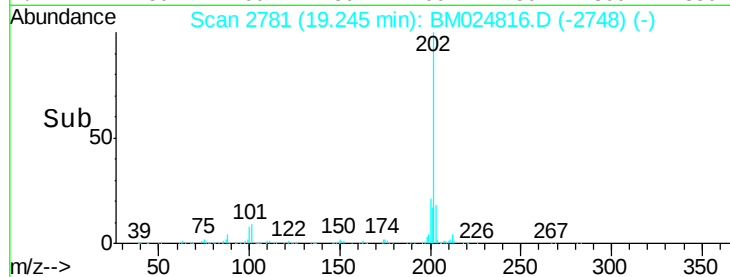
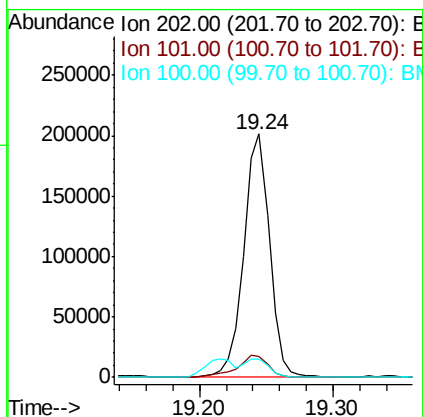
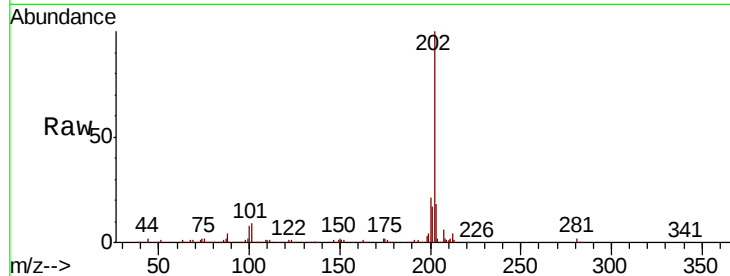




#80
Pvrene
Concen: 2.554 ng/ul
RT: 19.24 min Scan# 2781
Delta R.T. -0.01 min
Lab File: BM024816.D
Acq: 10 Feb 2020 19:53

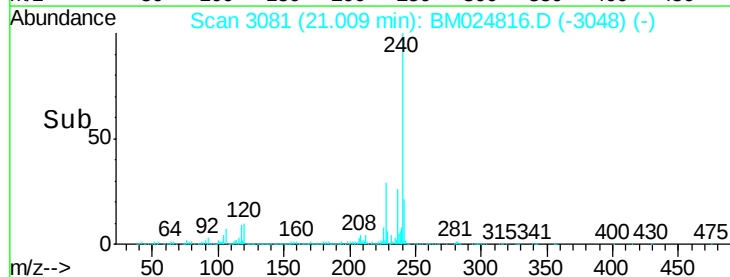
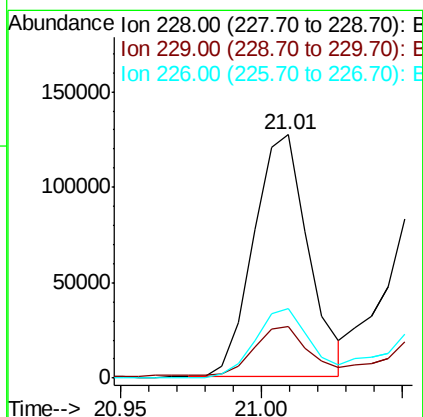
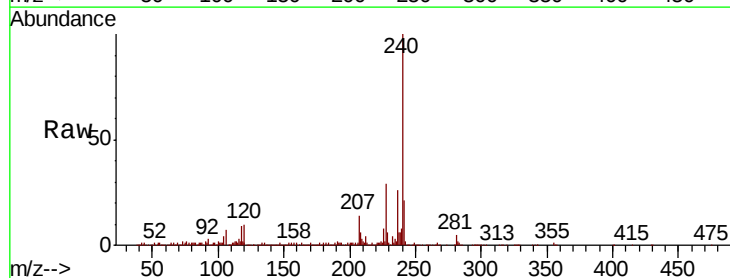
Instrument :
BNA_M
ClientSampleId :
CB6L7

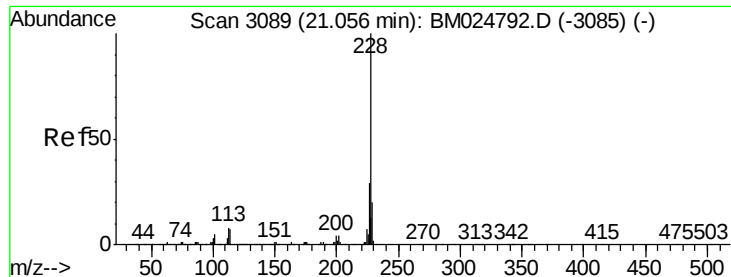
Tot Ion	Ratio	Lower	Upper
202	100		
101	8.7	7.0	10.4
100	7.7	5.8	8.8



#83
Benzo(a)anthracene
Concen: 1.606 ng/ul
RT: 21.01 min Scan# 3081
Delta R.T. -0.01 min
Lab File: BM024816.D
Acq: 10 Feb 2020 19:53

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.2	15.9	23.9
226	28.6	20.8	31.2





#85

Chrysene

Concen: 1.608 ng/ul

RT: 21.06 min Scan# 3089

Delta R.T. -0.01 min

Lab File: BM024816.D

Acq: 10 Feb 2020 19:53

Instrument :

BNA_M

ClientSampleId :

CB6L7

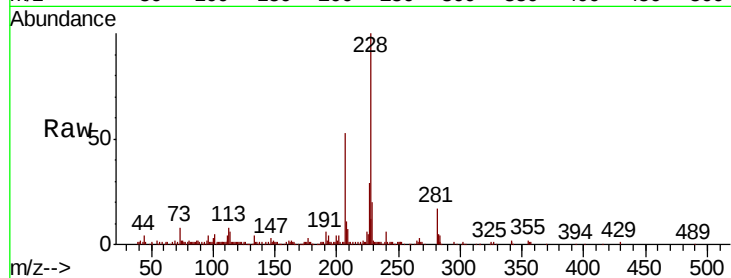
Tot Ion:228 Resp: 168729

Ion Ratio Lower Upper

228 100

226 29.2 23.0 34.4

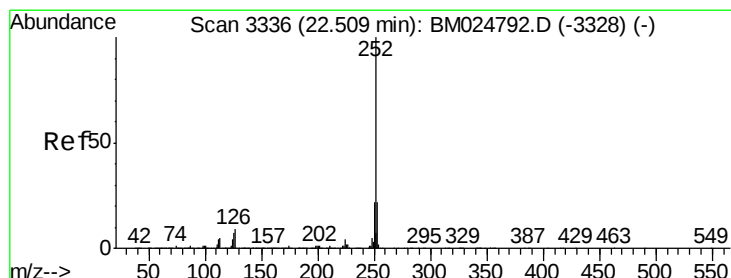
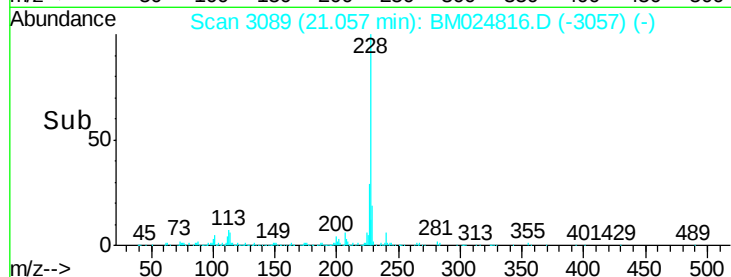
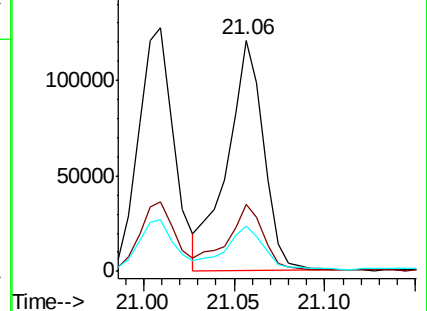
229 19.7 15.8 23.8



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



#88

Benzo(b)fluoranthene

Concen: 2.090 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.01 min

Lab File: BM024816.D

Acq: 10 Feb 2020 19:53

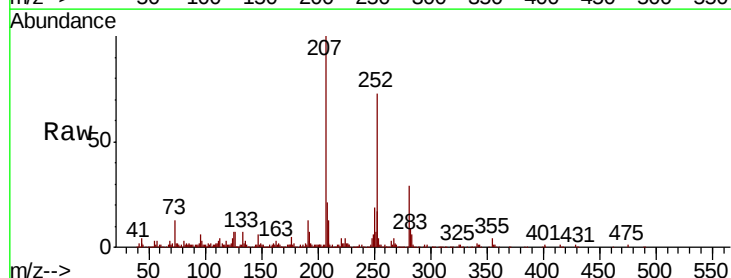
Tgt Ion:252 Resp: 216483

Ion Ratio Lower Upper

252 100

253 24.0 17.3 25.9

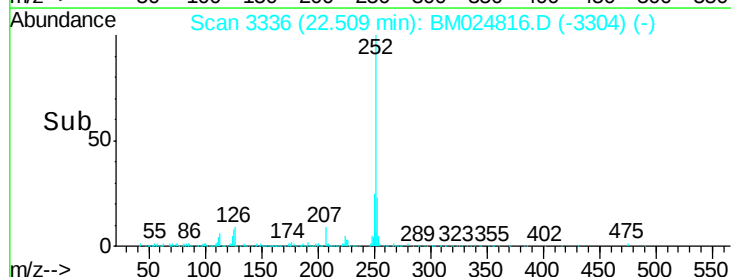
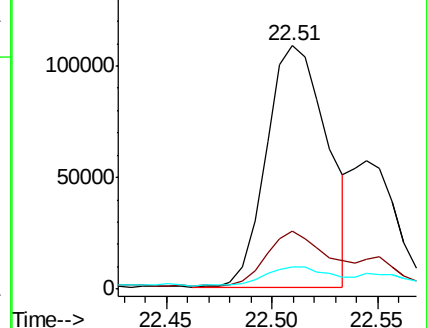
125 9.3 5.1 7.7#

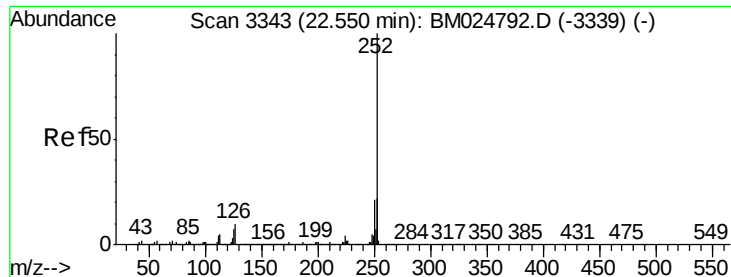


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 2.171 ng/ul

RT: 22.51 min Scan# 3336

Delta R.T. -0.05 min

Lab File: BM024816.D

Acq: 10 Feb 2020 19:53

Instrument :

BNA_M

ClientSampled :

CB6L7

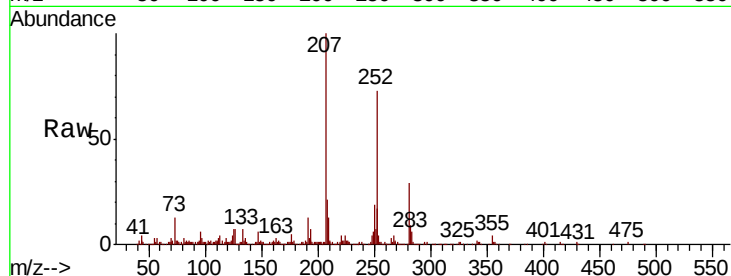
Tot Ion:252 Resp: 216483

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

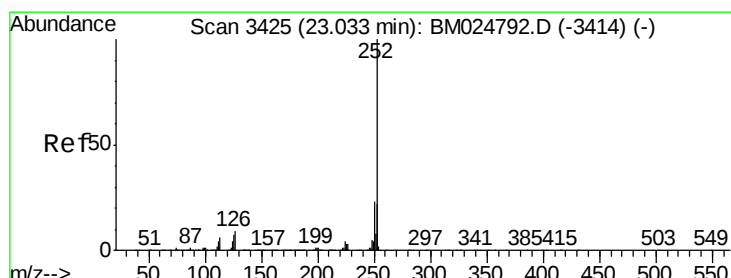
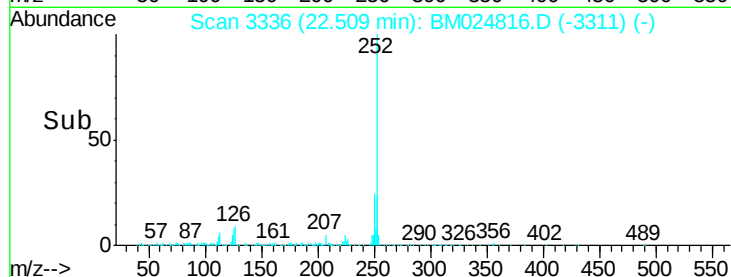
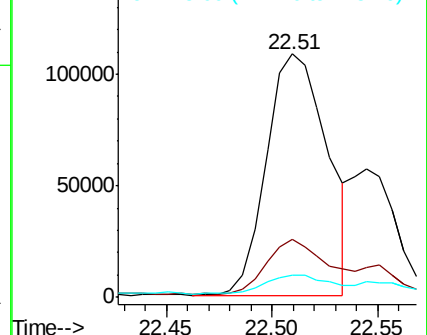
125 9.3 5.1 7.7#



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: 1.585 ng/ul

RT: 23.03 min Scan# 3425

Delta R.T. -0.01 min

Lab File: BM024816.D

Acq: 10 Feb 2020 19:53

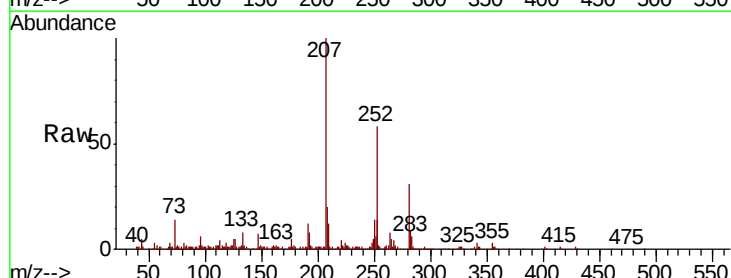
Tgt Ion:252 Resp: 147252

Ion Ratio Lower Upper

252 100

253 23.3 17.5 26.3

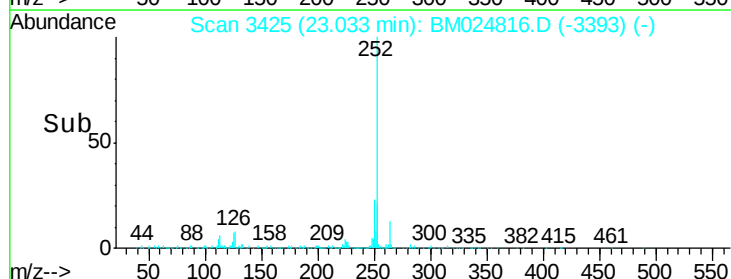
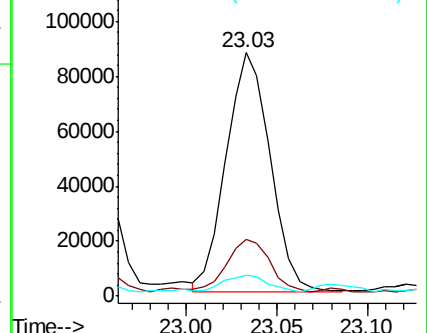
125 8.6 5.6 8.4#

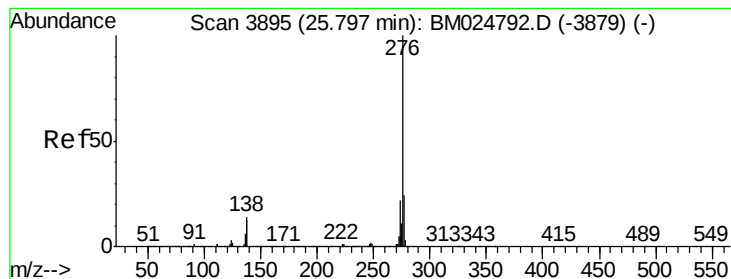


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#94

Benzo(a,h,i)perylene

Concen: 1.096 ng/ul

RT: 25.79 min Scan# 3894

Delta R.T. -0.02 min

Lab File: BM024816.D

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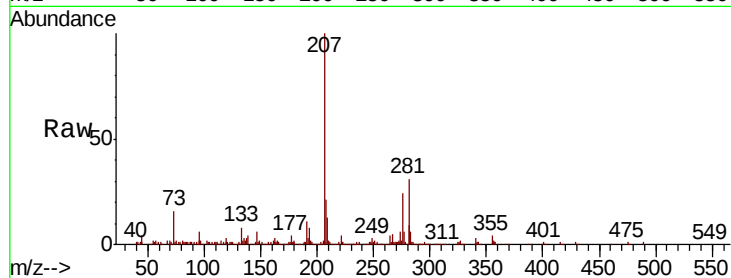
Tot Ion: 276 Resp: 105404

Ion Ratio Lower Upper

276 100

138 15.8 11.8 17.6

277 25.9 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

