

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081916\
 Data File : BM007215.D
 Acq On : 18 Aug 2016 21:15
 Operator : UM/SJ
 Sample : H4445-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 E5N30

Quant Time: Aug 19 04:49:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 19 04:48:28 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	222192	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	898655	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.43	164	519050	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.17	188	1232314	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1590592	20.00	ng/ul	0.00
83) Perylene-d12	23.63	264	1645694	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.32	96	18125	3.56	ng/uL	0.00
5) Phenol-d5	6.97	99	371807	20.66	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	212145	20.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	293699	20.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	298590	20.16	ng/ul	0.00
19) Nitrobenzene-d5	8.96	128	136570	20.92	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	150891	21.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	293483	20.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	353509	20.34	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	924007	21.54	ng/ul	0.00
46) Acenaphthylene-d8	14.13	160	1109064	21.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.63	143	145476	18.92	ng/ul	0.00
57) Fluorene-d10	15.43	176	819853	21.87	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.54	200	117659	17.28	ng/ul	0.00
70) Anthracene-d10	17.27	188	1338981	23.45	ng/ul	0.00
76) Pyrene-d10	19.57	212	1667540	24.84	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.48	264	1846525	24.53	ng/ul	0.00

Target Compounds

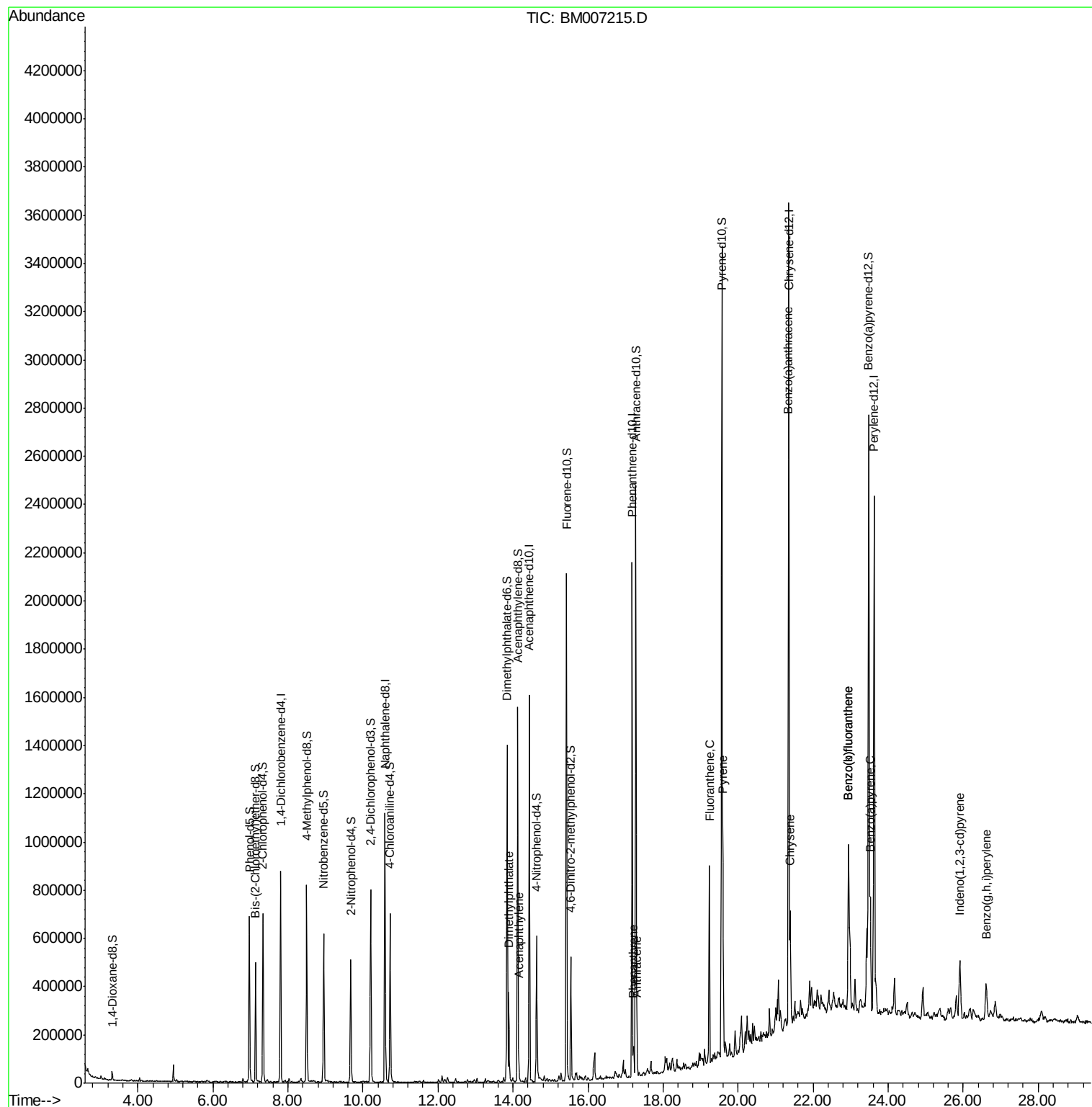
						Qvalue
44) Dimethylphthalate	13.89	163	226772	5.29	ng/ul	98
47) Acenaphthylene	14.15	152	57538	1.08	ng/ul	96
69) Phenanthrene	17.22	178	80472	1.21	ng/ul	97
71) Anthracene	17.31	178	78217	1.15	ng/ul	99
74) Fluoranthene	19.23	202	493023	6.13	ng/ul	100
77) Pyrene	19.59	202	521023	5.92	ng/ul	99
80) Benzo(a)anthracene	21.34	228	348929	3.71	ng/ul	99
82) Chrysene	21.39	228	318888	3.71	ng/ul	98
85) Benzo(b)fluoranthene	22.94	252	602317	6.08	ng/ul	96
86) Benzo(k)fluoranthene	22.94	252	602317	6.47	ng/ul	97
88) Benzo(a)pyrene	23.53	252	325919	3.47	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.91	276	232205	2.02	ng/ul	98
91) Benzo(g,h,i)perylene	26.61	276	187752	1.93	ng/ul	99

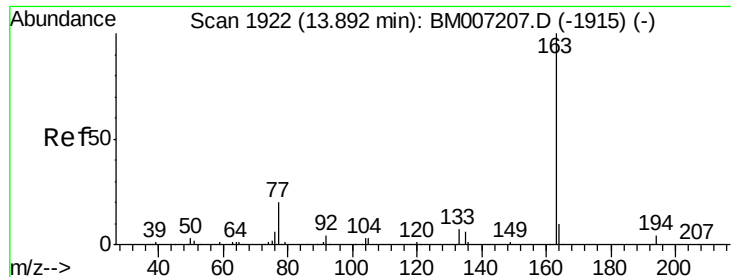
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081916\
Data File : BM007215.D
Acq On : 18 Aug 2016 21:15
Operator : UM/SJ
Sample : H4445-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
E5N30

Quant Time: Aug 19 04:49:30 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081116.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Aug 19 04:48:28 2016
Response via : Initial Calibration

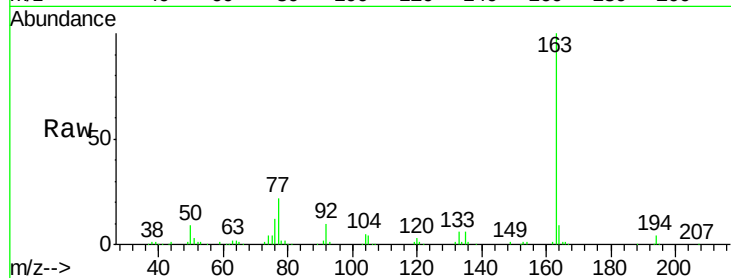




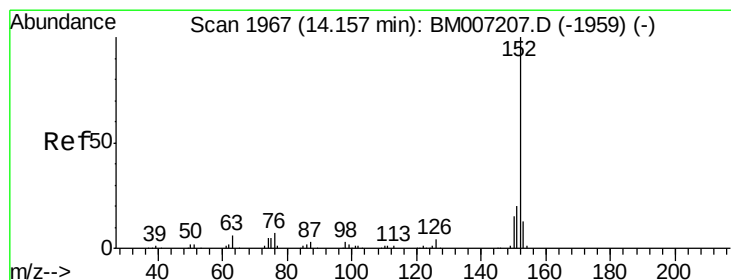
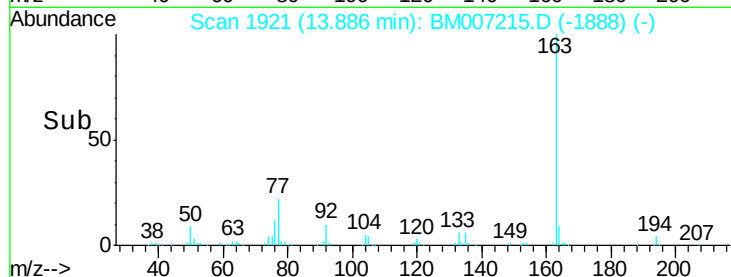
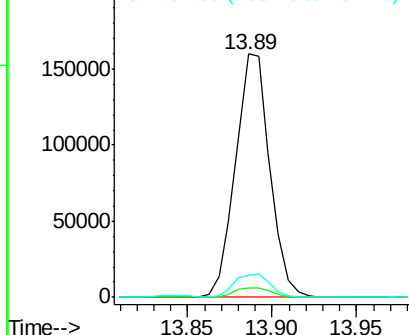
#44
Dimethylphthalate
Concen: 5.29 ng/ul
RT: 13.89 min Scan# 1921
Delta R.T. -0.01 min
Lab File: BM007215.D
Acq: 18 Aug 2016 21:15

Instrument :
BNA_M
ClientSampleId :
E5N30

Tgt Ion:163 Resp: 226772
Ion Ratio Lower Upper
163 100
194 3.8 3.4 5.2
164 9.1 7.8 11.8

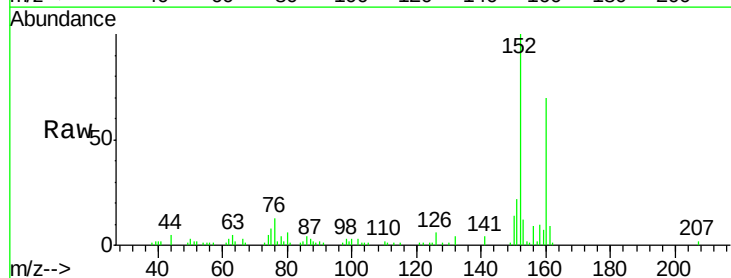


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

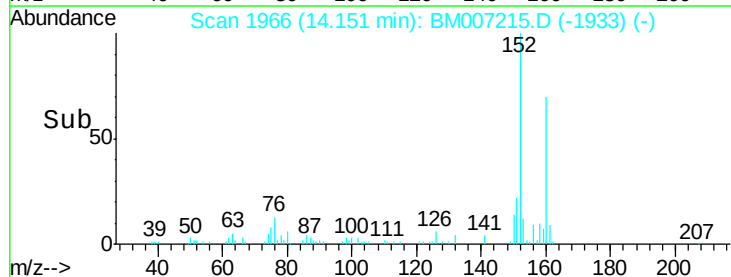
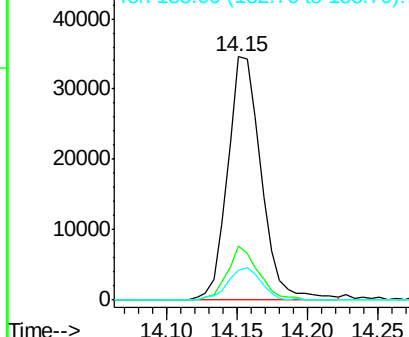


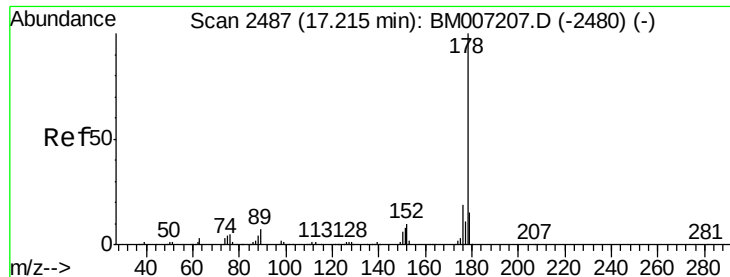
#47
Acenaphthylene
Concen: 1.08 ng/ul
RT: 14.15 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BM007215.D
Acq: 18 Aug 2016 21:15

Tgt Ion:152 Resp: 57538
Ion Ratio Lower Upper
152 100
151 22.0 16.0 24.0
153 12.3 11.0 16.6



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





#69

Phenanthrene

Concen: 1.21 ng/ul

RT: 17.22 min Scan# 2487

Delta R.T. -0.00 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

Instrument :

BNA_M

ClientSampleId :

E5N30

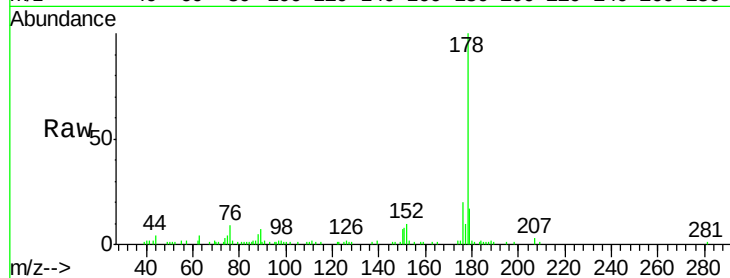
Tgt Ion:178 Resp: 80472

Ion Ratio Lower Upper

178 100

179 16.7 12.2 18.2

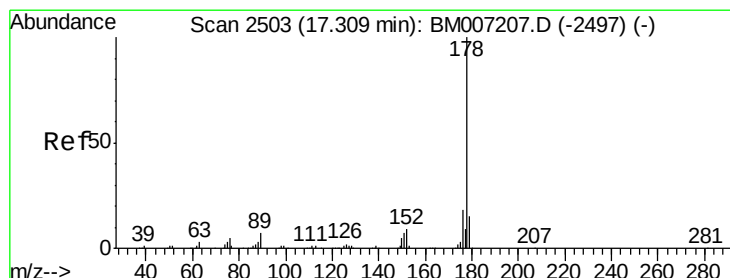
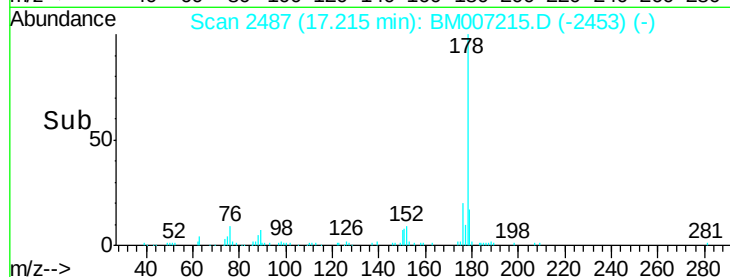
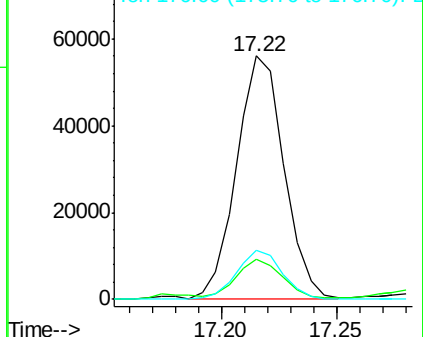
176 20.3 15.1 22.7



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



#71

Anthracene

Concen: 1.15 ng/ul

RT: 17.31 min Scan# 2503

Delta R.T. -0.00 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

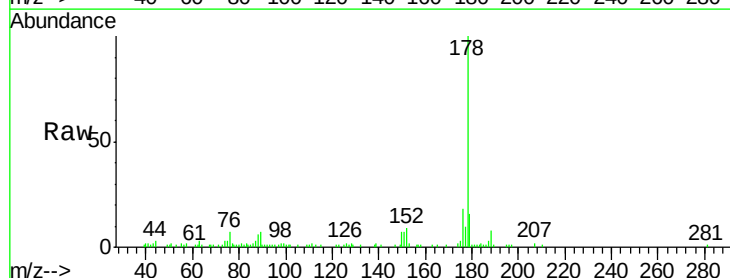
Tgt Ion:178 Resp: 78217

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

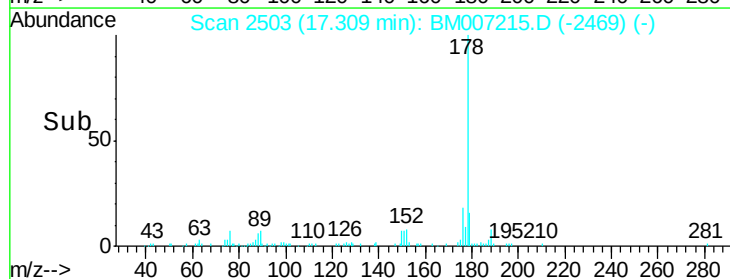
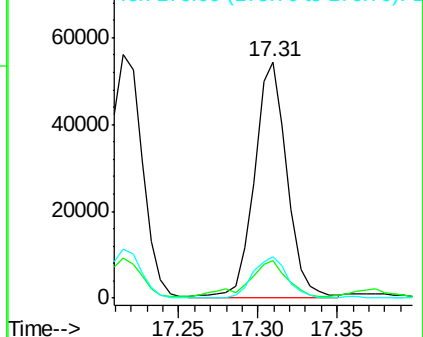
176 17.7 14.5 21.7

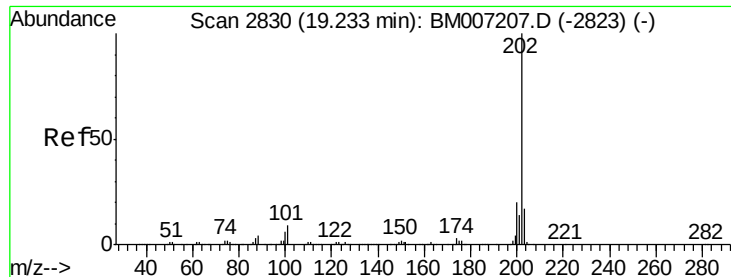


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 6.13 ng/ul

RT: 19.23 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

Instrument :

BNA_M

ClientSampleId :

E5N30

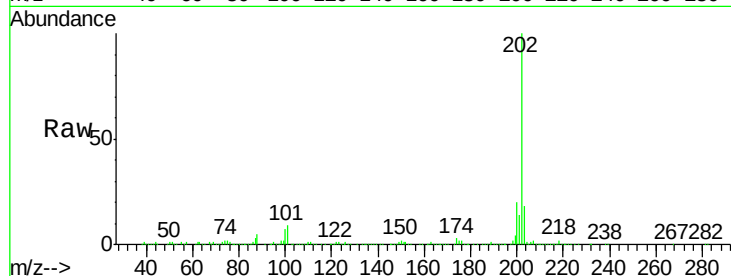
Tgt Ion:202 Resp: 493023

Ion Ratio Lower Upper

202 100

101 8.6 6.9 10.3

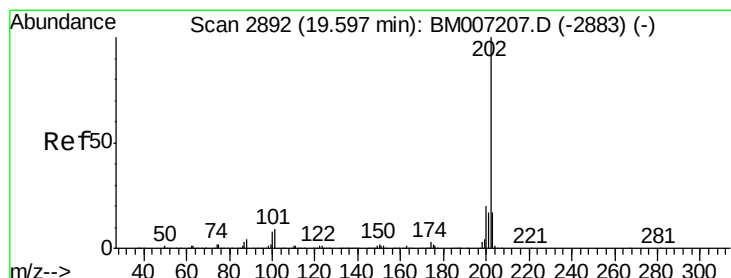
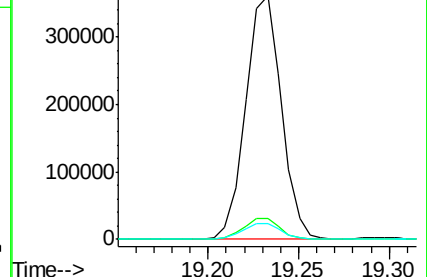
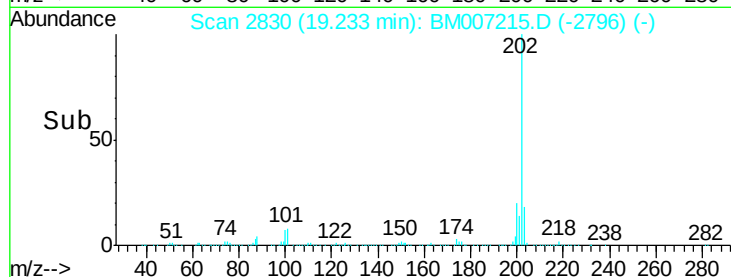
100 6.6 5.4 8.0



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



#77

Pyrene

Concen: 5.92 ng/ul

RT: 19.59 min Scan# 2891

Delta R.T. -0.01 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

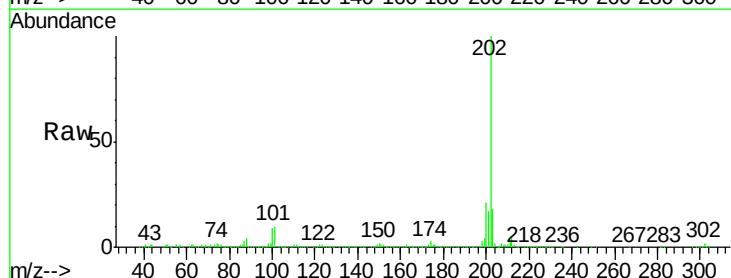
Tgt Ion:202 Resp: 521023

Ion Ratio Lower Upper

202 100

101 10.4 8.4 12.6

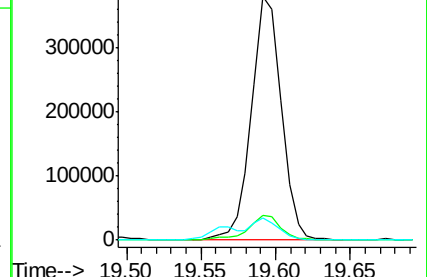
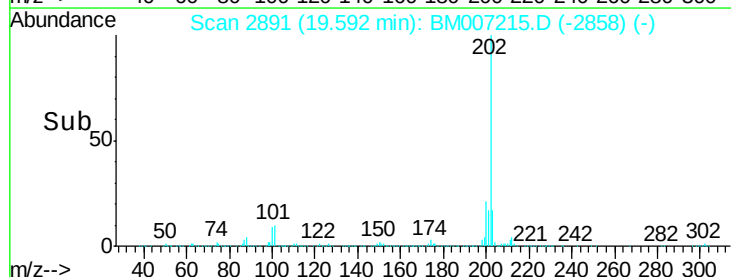
100 9.1 6.9 10.3

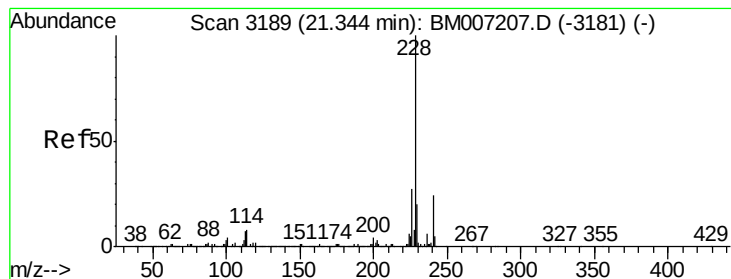


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 3.71 ng/ul

RT: 21.34 min Scan# 3188

Delta R.T. -0.01 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

Instrument :

BNA_M

ClientSampleId :

E5N30

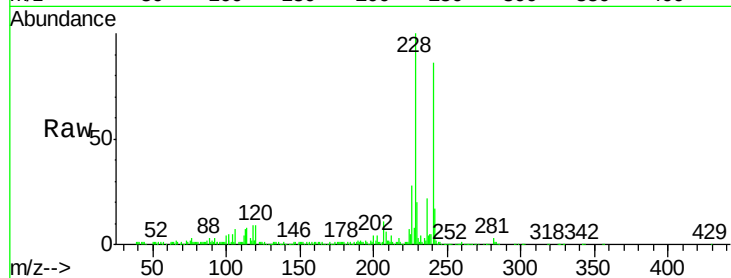
Tgt Ion:228 Resp: 348929

Ion Ratio Lower Upper

228 100

229 20.1 15.6 23.4

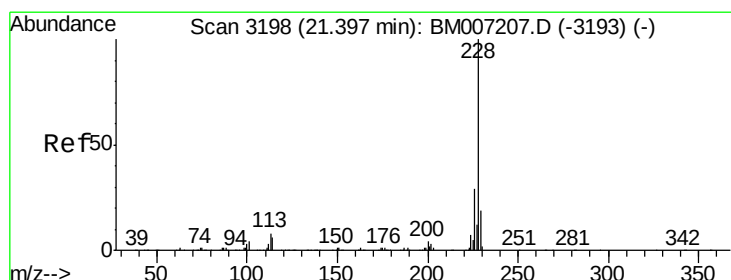
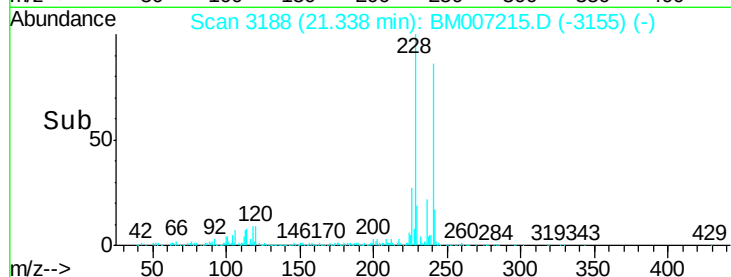
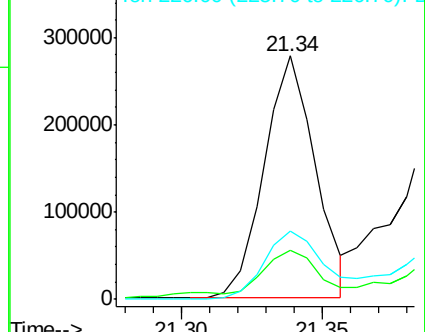
226 27.8 21.8 32.8



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



#82

Chrysene

Concen: 3.71 ng/ul

RT: 21.39 min Scan# 3197

Delta R.T. -0.01 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

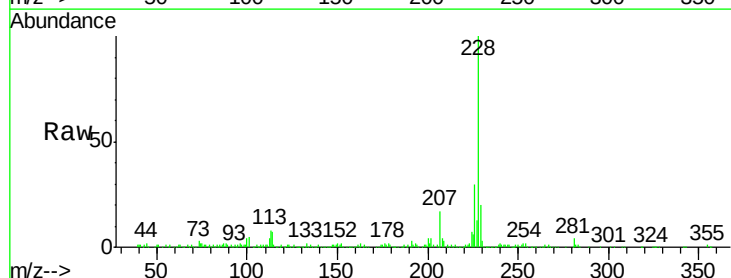
Tgt Ion:228 Resp: 318888

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

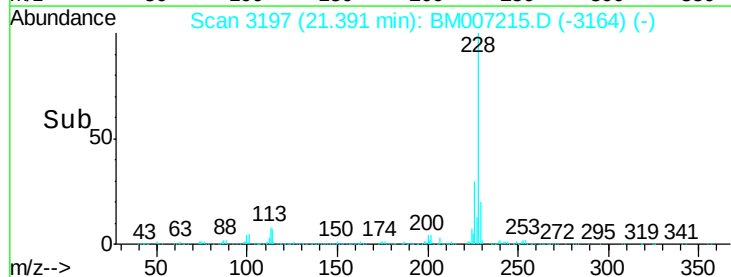
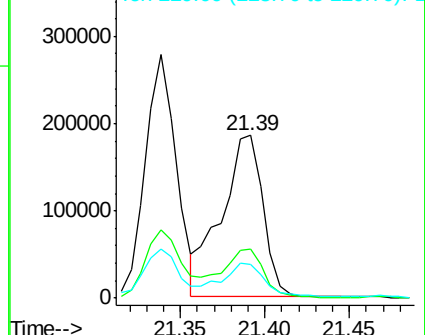
229 20.4 15.5 23.3

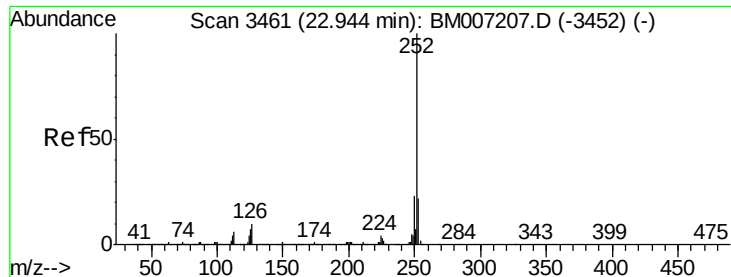


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 6.08 ng/ul

RT: 22.94 min Scan# 3461

Delta R.T. -0.00 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

Instrument :

BNA_M

ClientSampleId :

E5N30

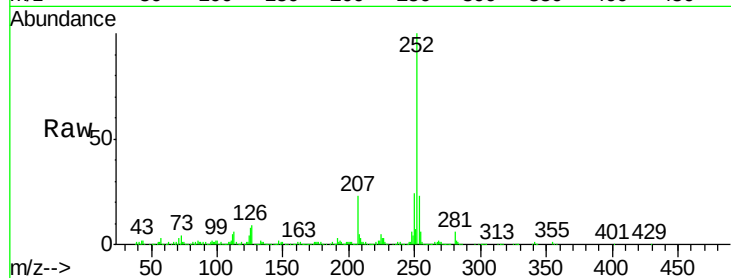
Tgt Ion:252 Resp: 602317

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

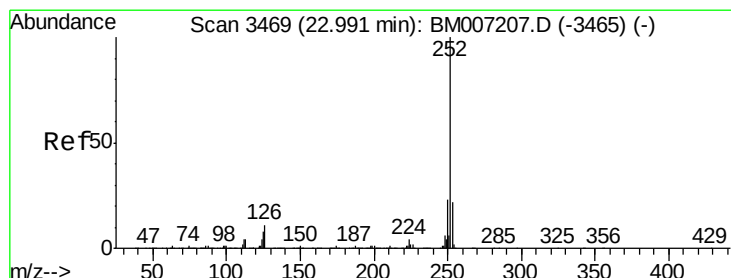
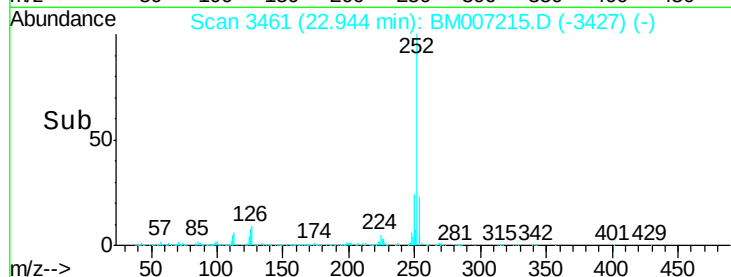
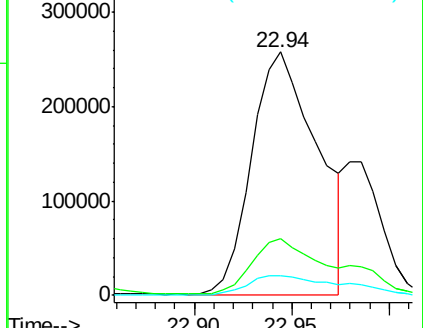
125 8.0 5.8 8.8



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



#86

Benzo(k)fluoranthene

Concen: 6.47 ng/ul

RT: 22.94 min Scan# 3461

Delta R.T. -0.05 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

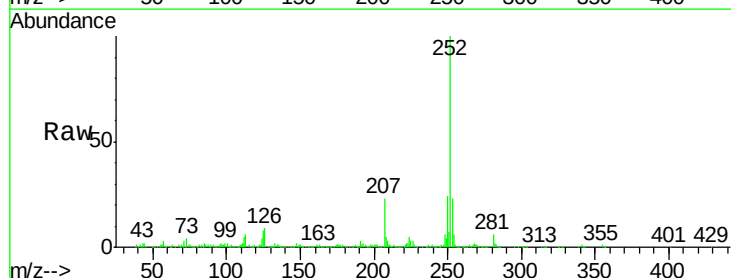
Tgt Ion:252 Resp: 602317

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

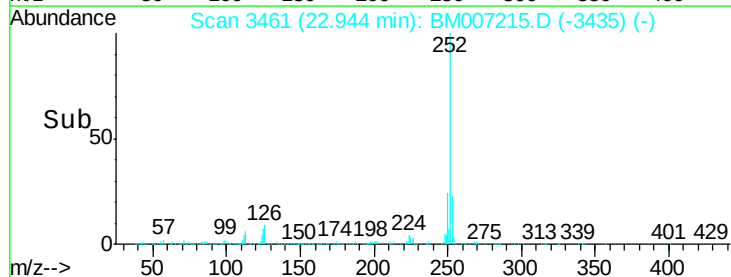
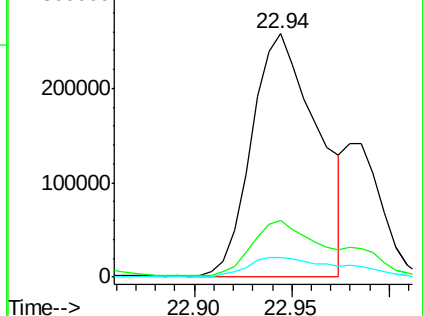
125 8.0 5.7 8.5

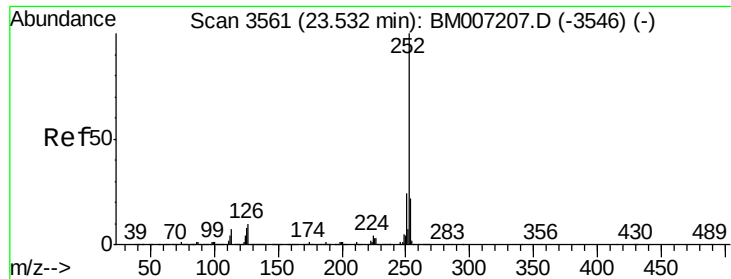


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 3.47 ng/ul

RT: 23.53 min Scan# 3560

Delta R.T. -0.01 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

Instrument :

BNA_M

ClientSampleId :

E5N30

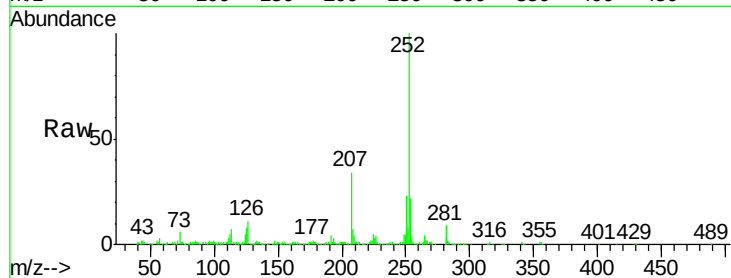
Tgt Ion:252 Resp: 325919

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

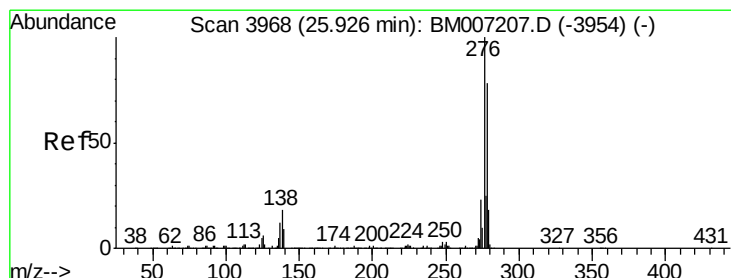
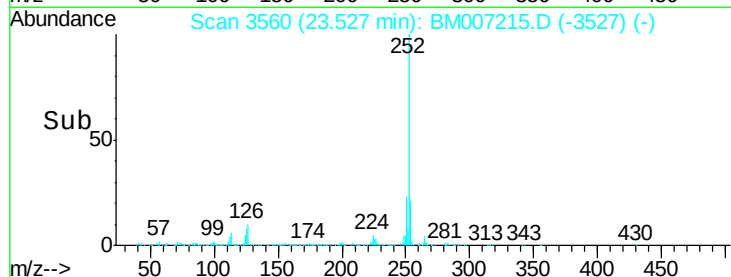
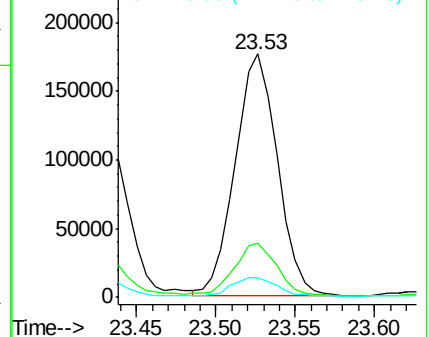
125 8.2 6.6 9.8



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



#89

Indeno(1,2,3-cd)pyrene

Concen: 2.02 ng/ul

RT: 25.91 min Scan# 3966

Delta R.T. -0.01 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

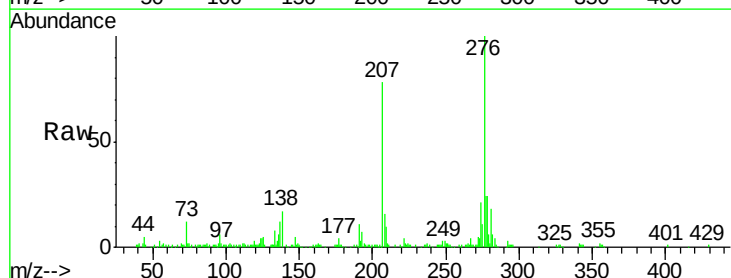
Tgt Ion:276 Resp: 232205

Ion Ratio Lower Upper

276 100

138 17.2 13.9 20.9

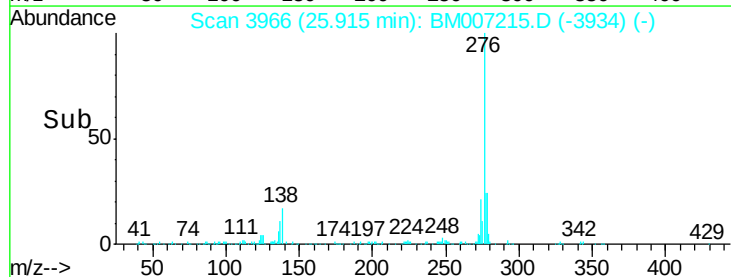
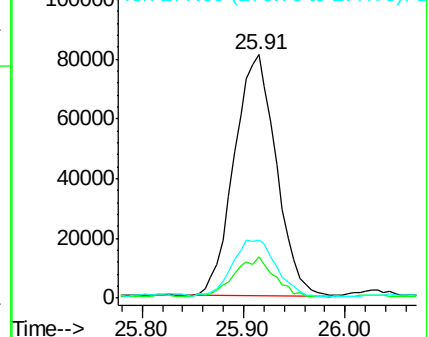
277 23.7 20.1 30.1

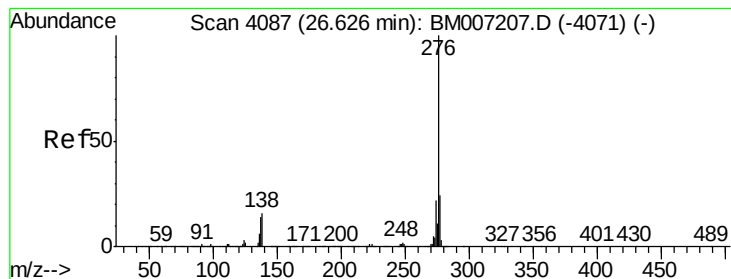


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 1.93 ng/ul

RT: 26.61 min Scan# 4085

Delta R.T. -0.01 min

Lab File: BM007215.D

Acq: 18 Aug 2016 21:15

Instrument :

BNA_M

ClientSampleId :

E5N30

Tgt Ion: 276 Resp: 187752

Ion Ratio Lower Upper

276 100

138 16.9 13.5 20.3

277 23.1 19.3 28.9

