

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081815\
 Data File : BM002480.D
 Acq On : 18 Aug 2015 10:45
 Operator : UM/IZ
 Sample : G3227-22DL 10X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DE1DL

Quant Time: Aug 18 17:52:25 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 18 03:02:54 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	111236	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	545404	20.00	ng/ul	-0.01
6) Acenaphthene-d10	15.46	164	286812	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	566621	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	390167	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	375668	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	88247	3.01	ng/ul	0.00
10) Fluorene-d10	16.43	176	61889	3.00	ng/ul	0.00
14) Anthracene-d10	18.26	188	85663	3.13	ng/ul	0.00
18) Pyrene-d10	20.48	212	70545	4.08	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.76	264	56431	2.86	ng/ul	0.00

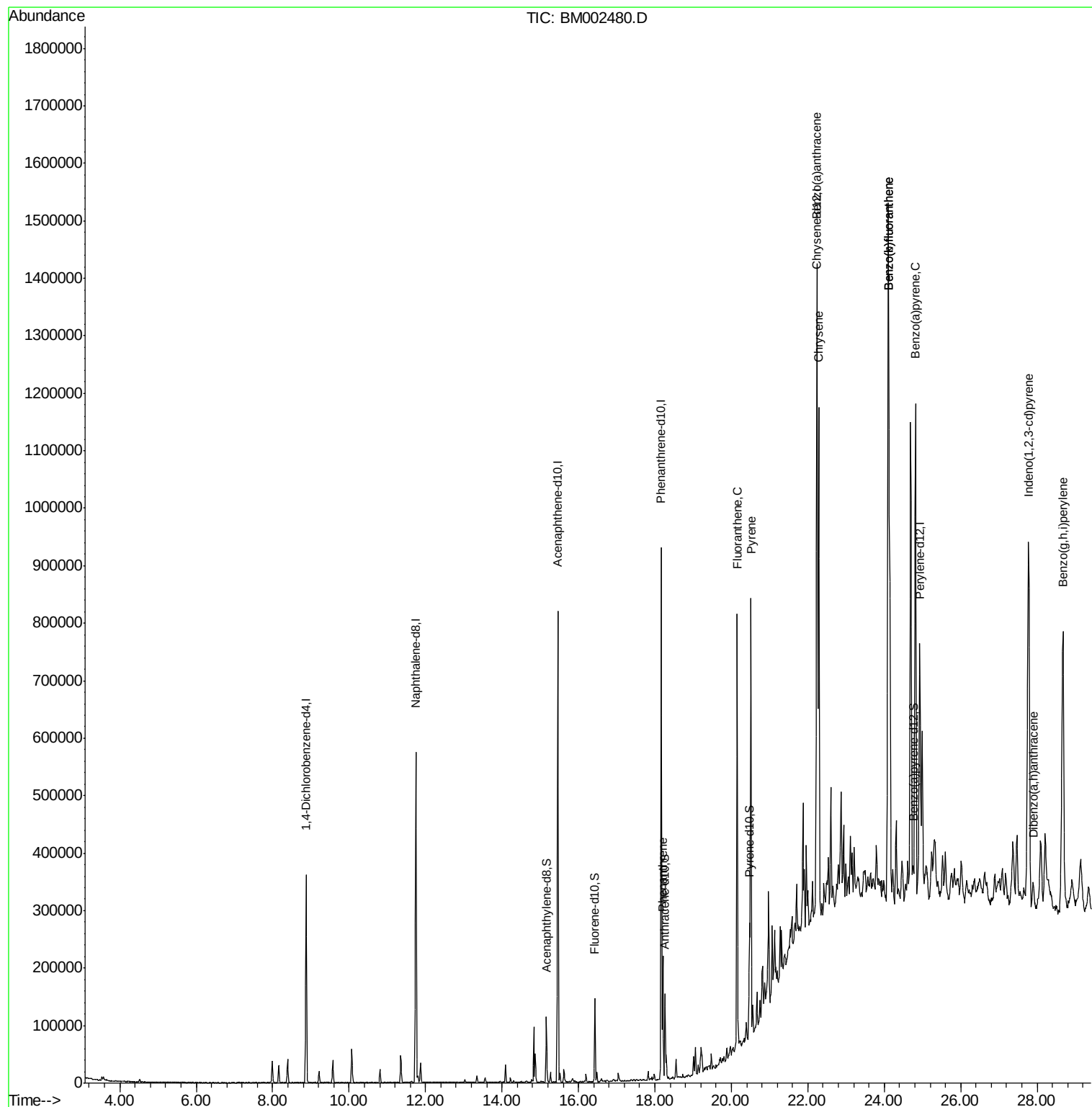
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Phenanthrene	18.21	178	134200	4.10	ng/ul	99
16) Fluoranthene	20.16	202	459615	12.41	ng/ul	99
19) Pyrene	20.51	202	442657	19.37	ng/ul	100
20) Benzo(a)anthracene	22.23	228	475744	20.39	ng/ul	99
21) Chrysene	22.29	228	596376	27.33	ng/ul	97
23) Benzo(b)fluoranthene	24.10	252	1241288	54.66	ng/ul	99
24) Benzo(k)fluoranthene	24.10	252	359190	16.69	ng/ul	99
26) Benzo(a)pyrene	24.81	252	738980	34.07	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.78	276	712577	28.56	ng/ul	94
28) Dibenzo(a,h)anthracene	27.90	278	51407	2.47	ng/ul	94
29) Benzo(g,h,i)perylene	28.67	276	646703	31.14	ng/ul	98

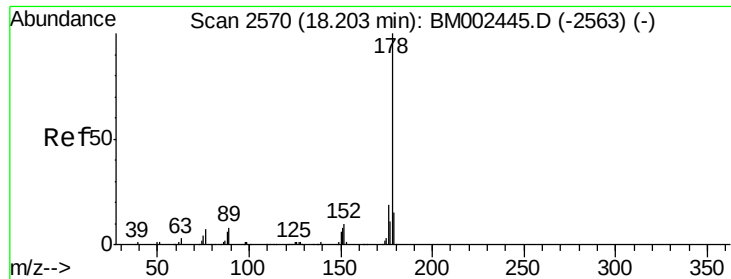
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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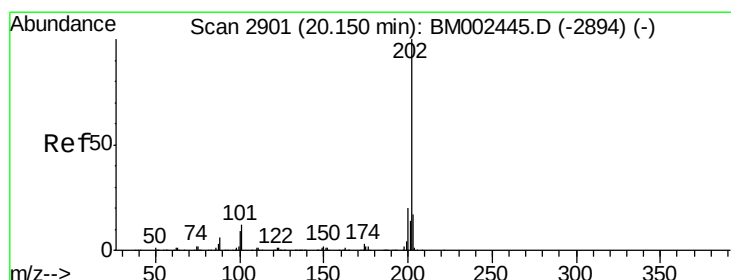
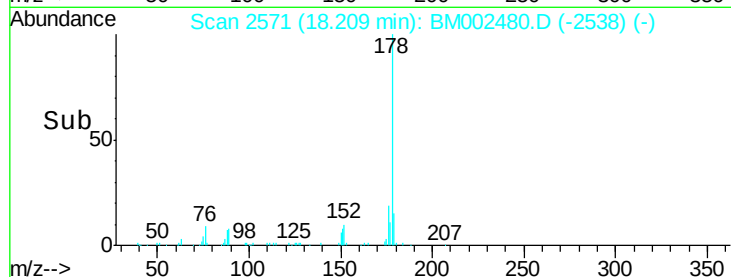
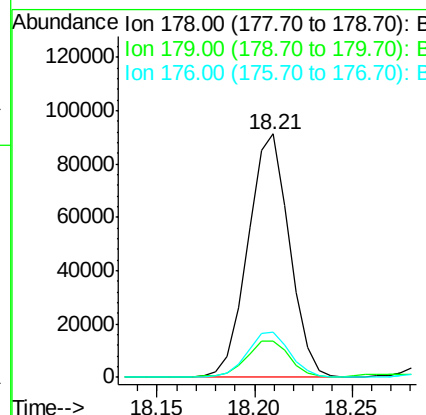
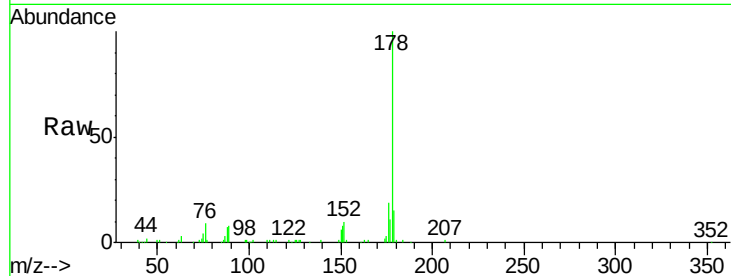




#13
Phenanthrene
Concen: 4.10 ng/ul
RT: 18.21 min Scan# 2571
Delta R.T. -0.01 min
Lab File: BM002480.D
Acq: 18 Aug 2015 10:45

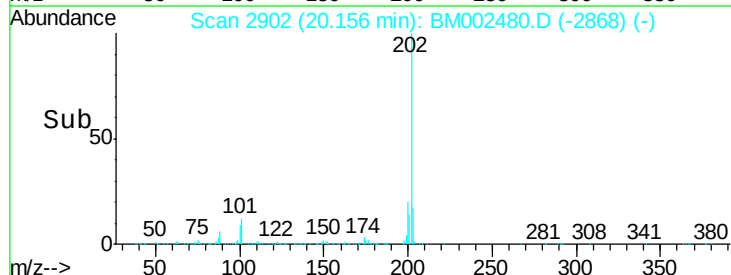
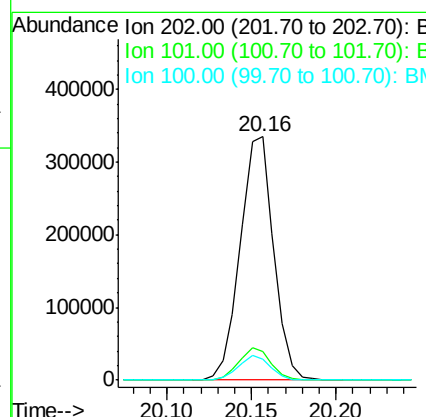
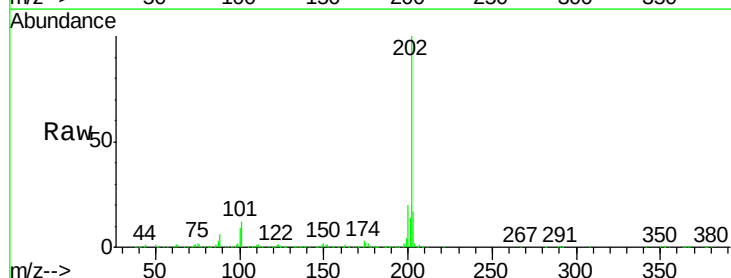
Instrument :
BNA_M
ClientSampleId :
D9DE1DL

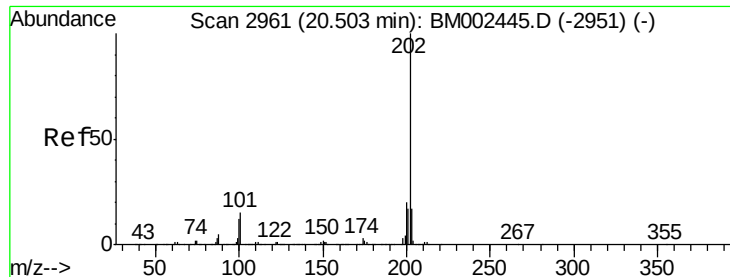
Tgt Ion:178 Resp: 134200
Ion Ratio Lower Upper
178 100
179 14.7 12.4 18.6
176 18.6 15.1 22.7



#16
Fluoranthene
Concen: 12.41 ng/ul
RT: 20.16 min Scan# 2902
Delta R.T. 0.00 min
Lab File: BM002480.D
Acq: 18 Aug 2015 10:45

Tgt Ion:202 Resp: 459615
Ion Ratio Lower Upper
202 100
101 11.8 9.7 14.5
100 8.6 7.4 11.2





#19

Pyrene

Concen: 19.37 ng/ul

RT: 20.51 min Scan# 2962

Delta R.T. -0.01 min

Lab File: BM002480.D

Acq: 18 Aug 2015 10:45

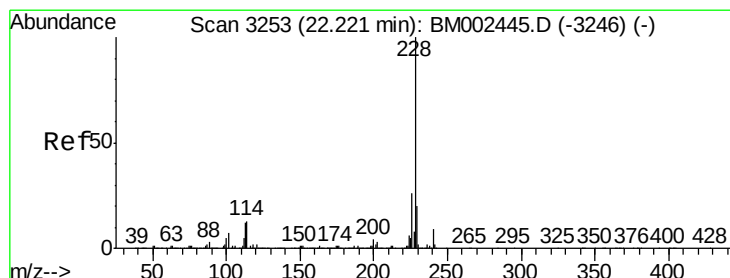
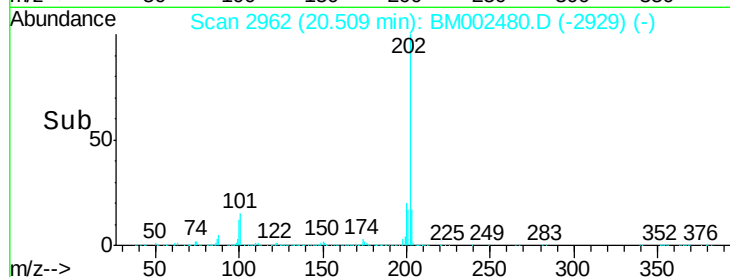
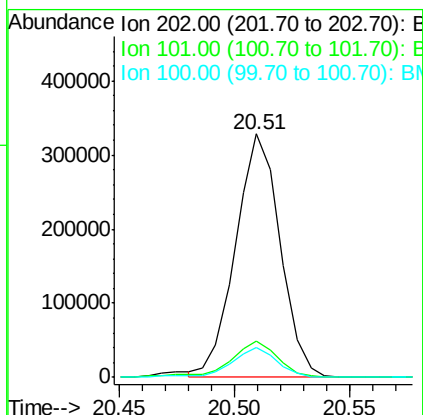
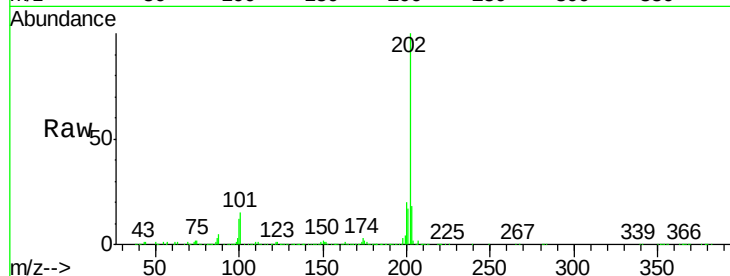
Instrument :

BNA_M

ClientSampleId :

D9DE1DL

Tgt Ion:	202	Resp:	442657
Ion	Ratio	Lower	Upper
202	100		
101	14.9	12.0	18.0
100	12.1	9.7	14.5



#20

Benzo(a)anthracene

Concen: 20.39 ng/ul

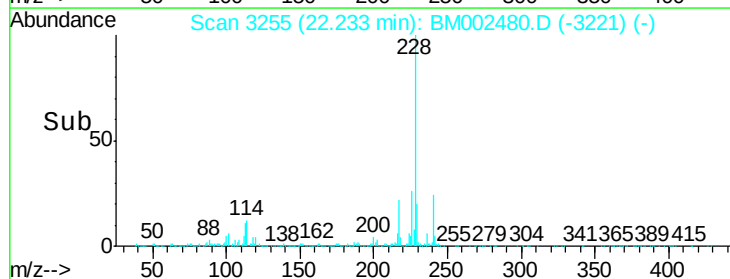
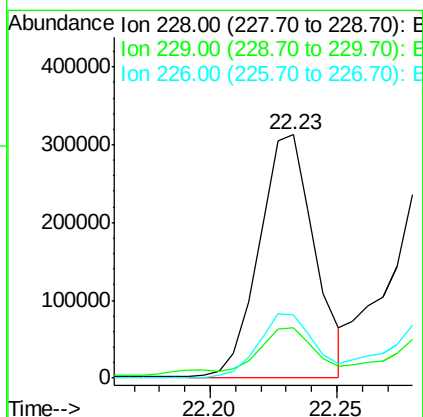
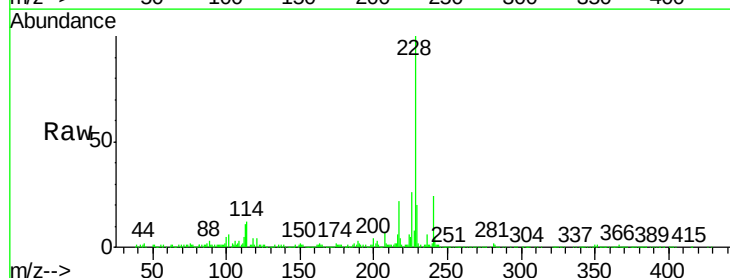
RT: 22.23 min Scan# 3255

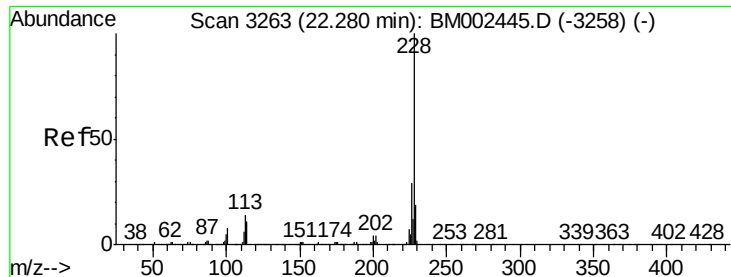
Delta R.T. 0.00 min

Lab File: BM002480.D

Acq: 18 Aug 2015 10:45

Tgt Ion:	228	Resp:	475744
Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.8	23.6
226	25.9	21.1	31.7





#21

Chrysene

Concen: 27.33 ng/ul

RT: 22.29 min Scan# 3265

Delta R.T. 0.00 min

Lab File: BM002480.D

Acq: 18 Aug 2015 10:45

Instrument :

BNA_M

ClientSampleId :

D9DE1DL

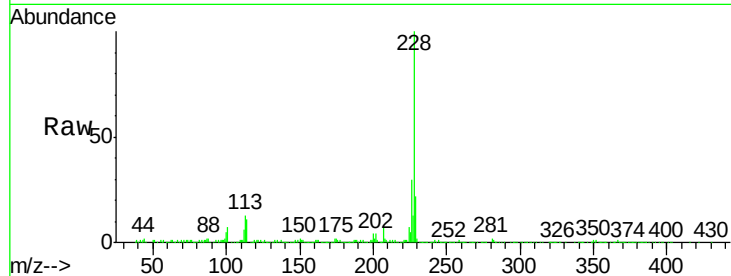
Tgt Ion:228 Resp: 596376

Ion Ratio Lower Upper

228 100

226 30.0 23.4 35.2

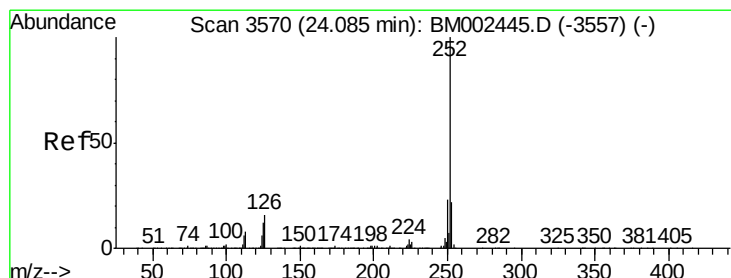
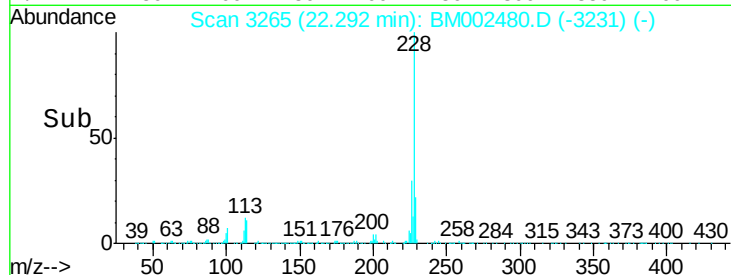
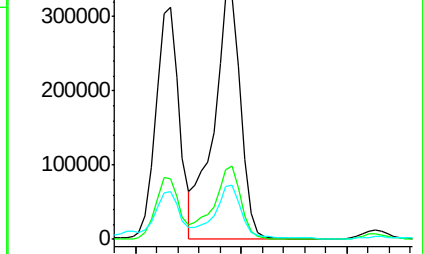
229 22.1 15.7 23.5



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



#23

Benzo(b)fluoranthene

Concen: 54.66 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BM002480.D

Acq: 18 Aug 2015 10:45

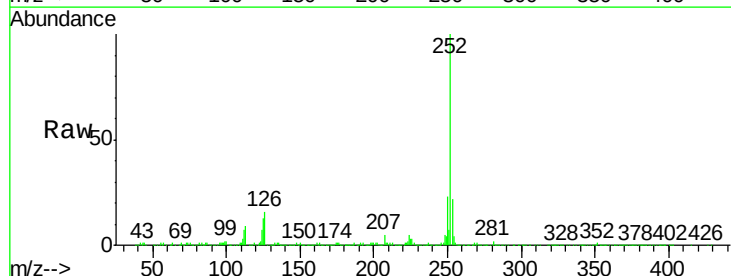
Tgt Ion:252 Resp: 1241288

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

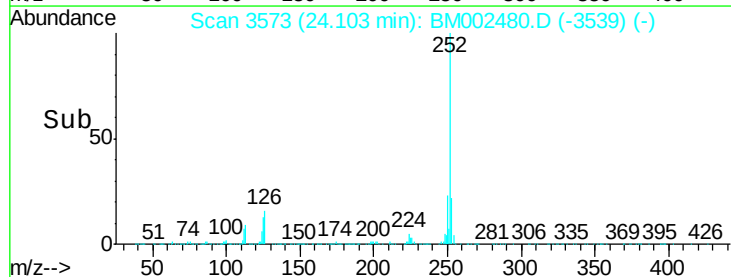
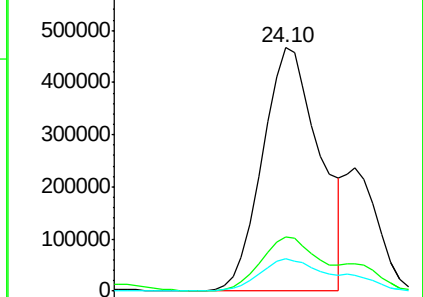
125 13.4 10.0 15.0

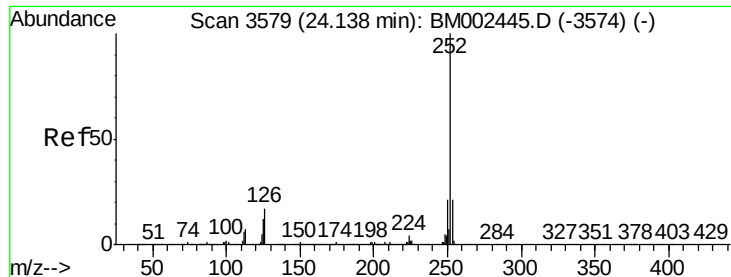


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 16.69 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. -0.05 min

Lab File: BM002480.D

Acq: 18 Aug 2015 10:45

Instrument :

BNA_M

ClientSampleId :

D9DE1DL

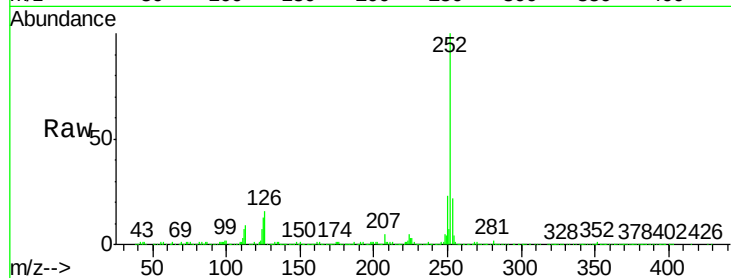
Tgt Ion:252 Resp: 359190

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 13.4 9.8 14.8



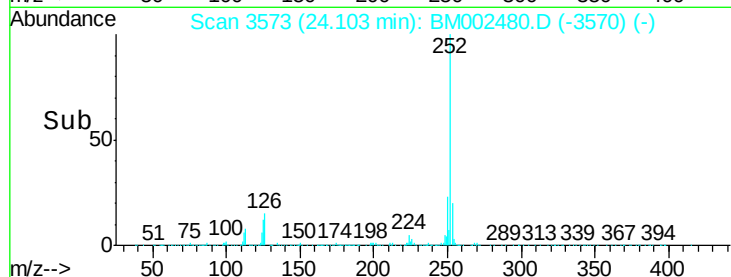
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

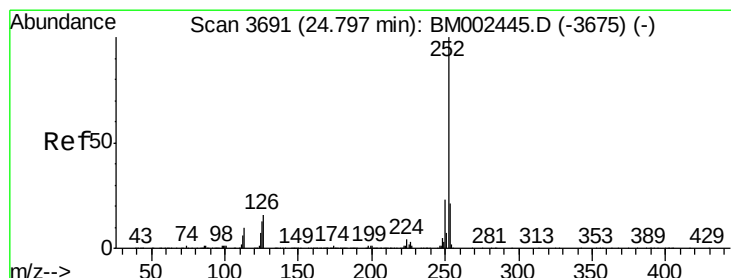
Ion 125.00 (124.70 to 125.70): E

24.10

24.15



Time-->



#26

Benzo(a)pyrene

Concen: 34.07 ng/ul

RT: 24.81 min Scan# 3694

Delta R.T. 0.00 min

Lab File: BM002480.D

Acq: 18 Aug 2015 10:45

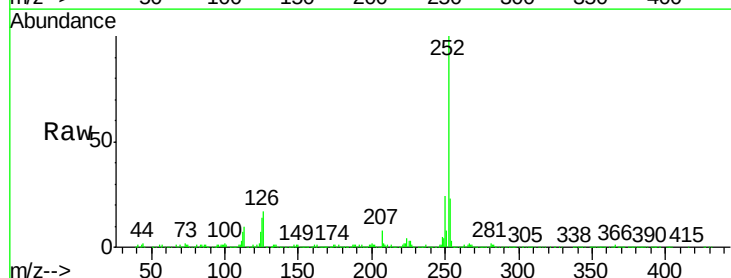
Tgt Ion:252 Resp: 738980

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

125 13.7 10.7 16.1



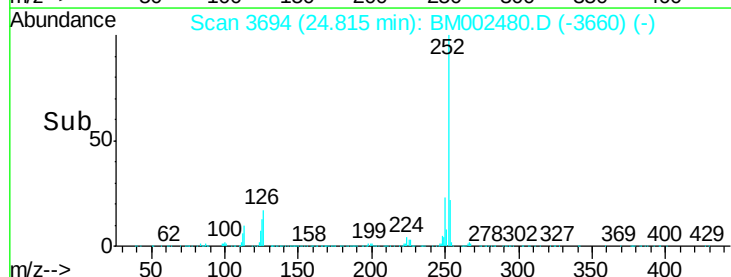
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

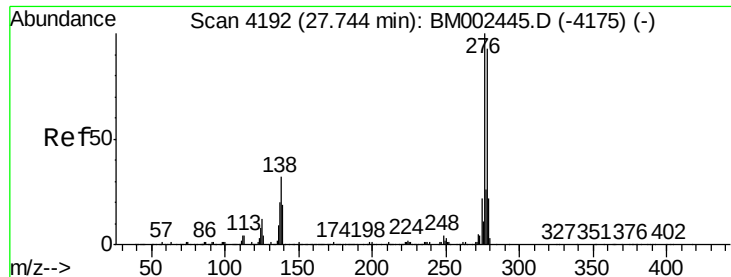
Ion 125.00 (124.70 to 125.70): E

24.81

24.90



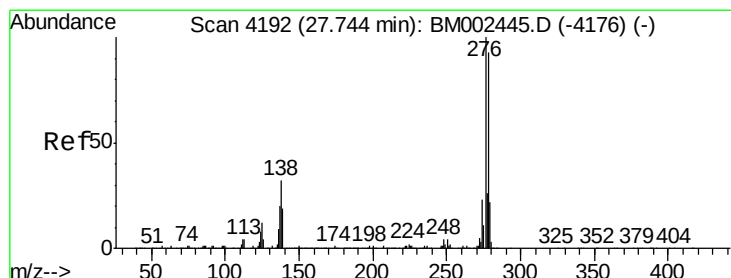
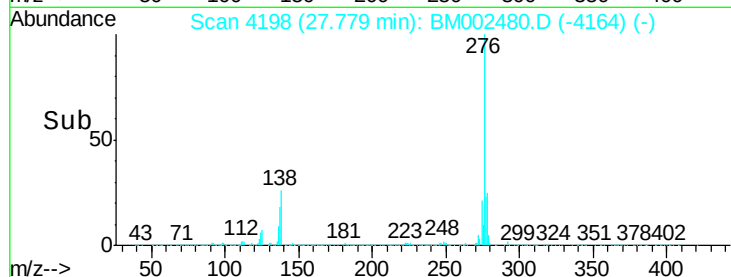
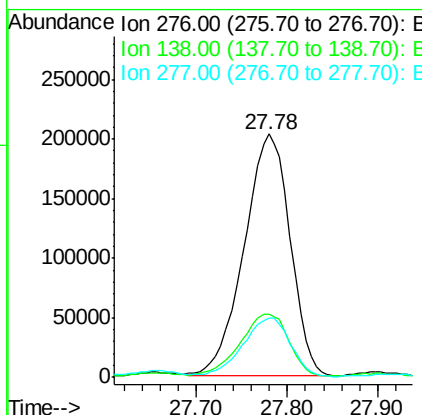
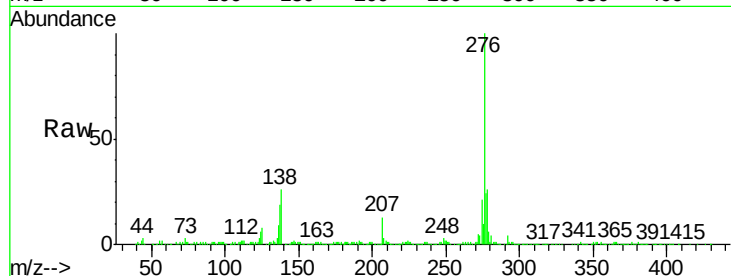
Time-->



#27
 Indeno(1,2,3-cd)pyrene
 Concen: 28.56 ng/ul
 RT: 27.78 min Scan# 4198
 Delta R.T. 0.00 min
 Lab File: BM002480.D
 Acq: 18 Aug 2015 10:45

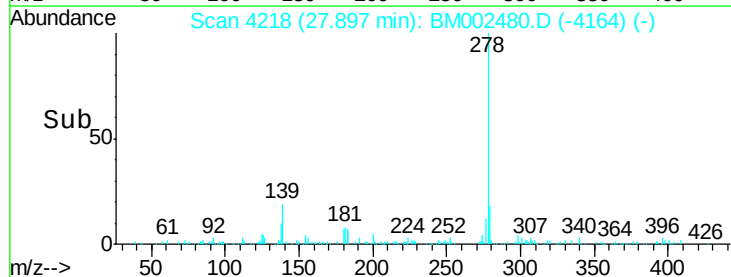
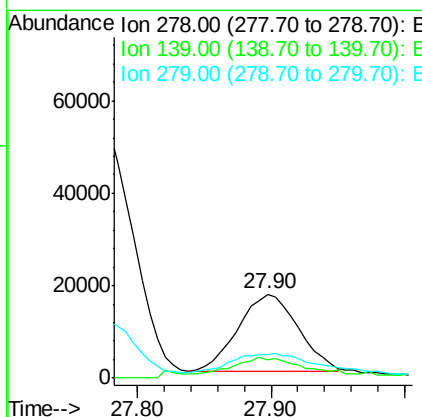
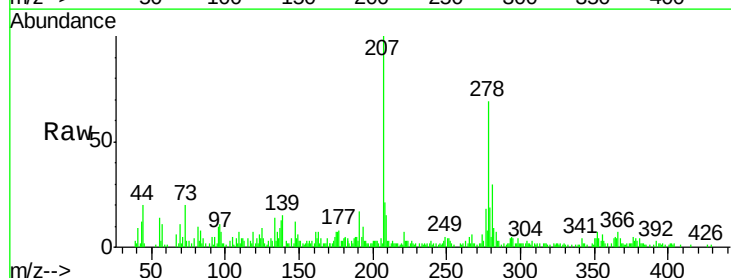
Instrument :
 BNA_M
 ClientSampled :
 D9DE1DL

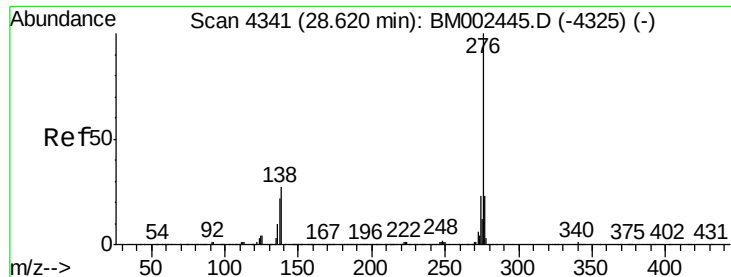
Tgt Ion: 276 Resp: 712577
 Ion Ratio Lower Upper
 276 100
 138 26.2 25.3 37.9
 277 24.3 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 2.47 ng/ul
 RT: 27.90 min Scan# 4218
 Delta R.T. 0.12 min
 Lab File: BM002480.D
 Acq: 18 Aug 2015 10:45

Tgt Ion: 278 Resp: 51407
 Ion Ratio Lower Upper
 278 100
 139 22.1 16.5 24.7
 279 27.7 18.8 28.2





#29

Benzo(g,h,i)perylene

Concen: 31.14 ng/ul

RT: 28.67 min Scan# 4350

Delta R.T. 0.01 min

Lab File: BM002480.D

Acq: 18 Aug 2015 10:45

Instrument :

BNA_M

ClientSampleId :

D9DE1DL

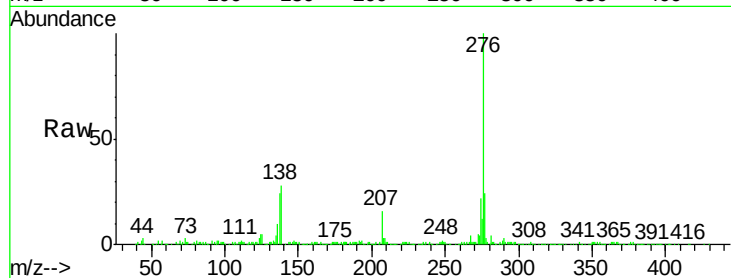
Tgt Ion: 276 Resp: 646703

Ion Ratio Lower Upper

276 100

138 27.6 21.0 31.6

277 24.3 19.2 28.8



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

