

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031717\
 Data File : BM009277.D
 Acq On : 17 Mar 2017 17:01
 Operator : SJ/MA
 Sample : I2218-19
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 18 00:40:12 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM031717-PAH.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Mar 18 00:39:50 2017
 Response via : Initial Calibration

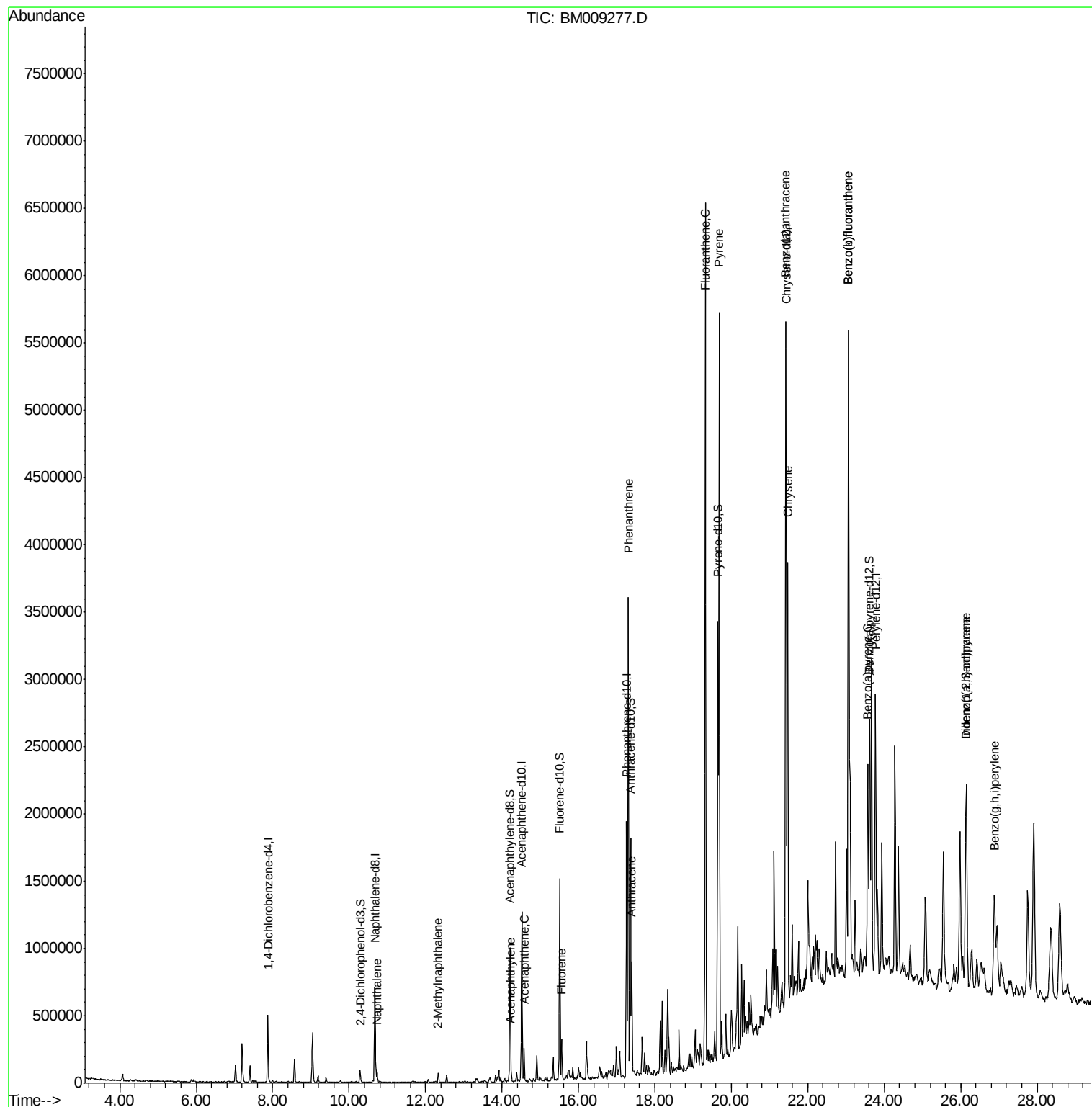
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.87	152	111660	20.00	ng/ul	0.00
2) Naphthalene-d8	10.67	136	524785	20.00	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	371260	20.00	ng/ul	0.00
12) Phenanthrene-d10	17.26	188	1016702	20.00	ng/ul	0.00
18) Chrysene-d12	21.43	240	1549792	20.00	ng/ul	0.00
23) Perylene-d12	23.77	264	1584638	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 2,4-Dichlorophenol-d3	10.29	165	28559	3.35	ng/uL	0.00
7) Acenaphthylene-d8	14.21	160	641017	20.37	ng/ul	0.00
10) Fluorene-d10	15.50	176	550833	19.96	ng/ul	0.00
15) Anthracene-d10	17.36	188	932248	19.30	ng/ul	0.00
19) Pyrene-d10	19.65	212	1198369	19.29	ng/ul	0.00
26) Benzo(a)pyrene-d12	23.62	264	1307684	18.15	ng/ul	0.00
Target Compounds				Qvalue		
4) Naphthalene	10.72	128	68342	2.56	ng/ul#	95
5) 2-Methylnaphthalene	12.33	142	30688	1.44	ng/ul	88
8) Acenaphthylene	14.24	152	39433	1.24	ng/ul#	90
9) Acenaphthene	14.58	153	93511	4.05	ng/ul	97
11) Fluorene	15.56	166	120712	3.81	ng/ul	97
14) Phenanthrene	17.30	178	1988927	34.74	ng/ul	97
16) Anthracene	17.39	178	471543	7.94	ng/ul	98
17) Fluoranthene	19.32	202	3721555	51.29	ng/ul	95
20) Pyrene	19.68	202	3147672	39.36	ng/ul#	93
21) Benzo(a)anthracene	21.42	228	1984324	22.49	ng/ul	99
22) Chrysene	21.47	228	1793401	21.52	ng/ul	97
24) Benzo(b)fluoranthene	23.06	252	2514545	26.96	ng/ul	99
25) Benzo(k)fluoranthene	23.06	252	2514545	28.58	ng/ul	100
27) Benzo(a)pyrene	23.57	252	1110288	12.37	ng/ul	99
28) Indeno(1,2,3-cd)pyrene	26.14	276	1196281	11.23	ng/ul#	94
29) Dibenzo(a,h)anthracene	26.15	278	328280	3.65	ng/ul	94
30) Benzo(g,h,i)perylene	26.88	276	921398	10.39	ng/ul#	92

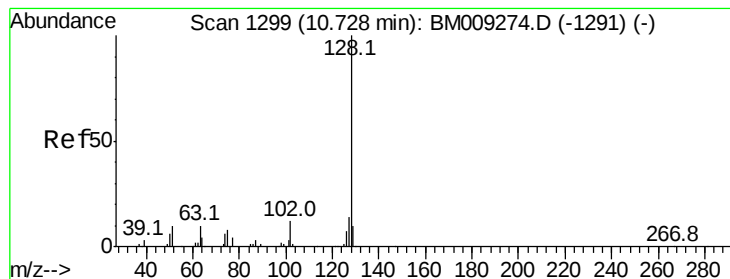
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Naphthalene

Concen: 2.56 ng/ul

RT: 10.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampleId :

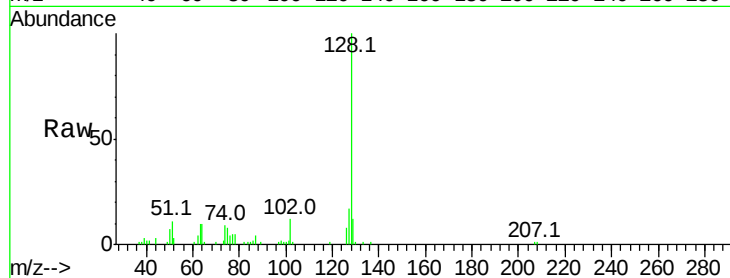
Tot Ion:128 Resp: 68342

Ion Ratio Lower Upper

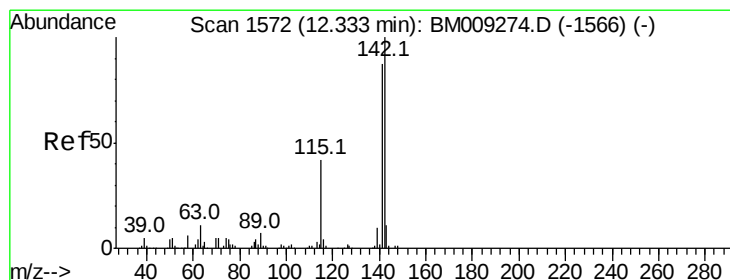
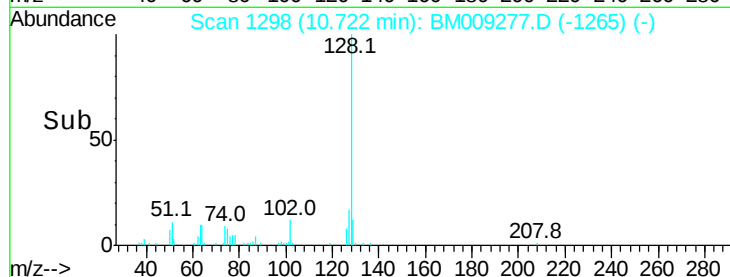
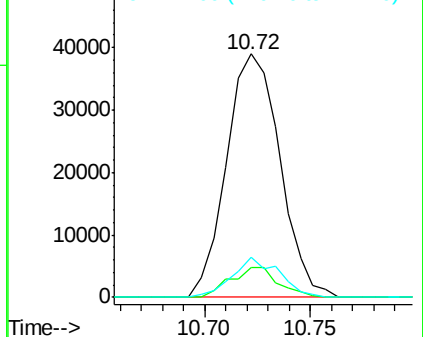
128 100

129 12.1 9.1 13.7

127 16.5 10.6 15.8#



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 1.44 ng/ul

RT: 12.33 min Scan# 1572

Delta R.T. 0.00 min

Lab File: BM009277.D

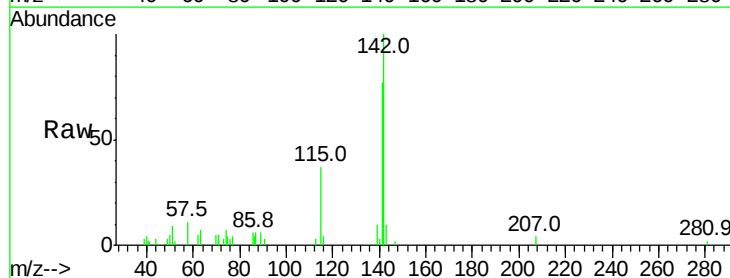
Acq: 17 Mar 2017 17:01

Tgt Ion:142 Resp: 30688

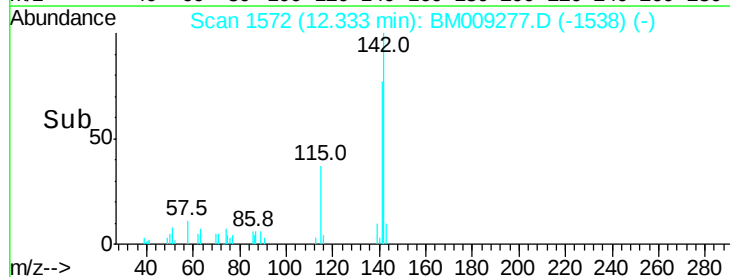
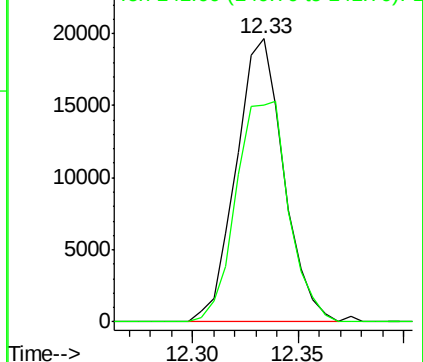
Ion Ratio Lower Upper

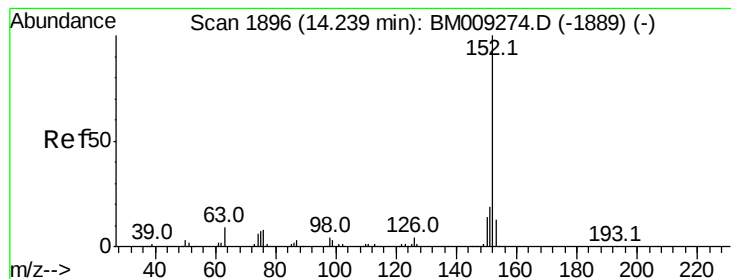
142 100

141 76.6 69.8 104.8



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E





#8

Acenaphthylene

Concen: 1.24 ng/ul

RT: 14.24 min Scan# 1896

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampleId :

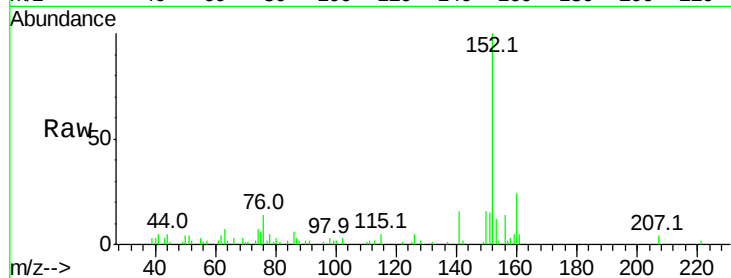
Tot Ion:152 Resp: 39433

Ion Ratio Lower Upper

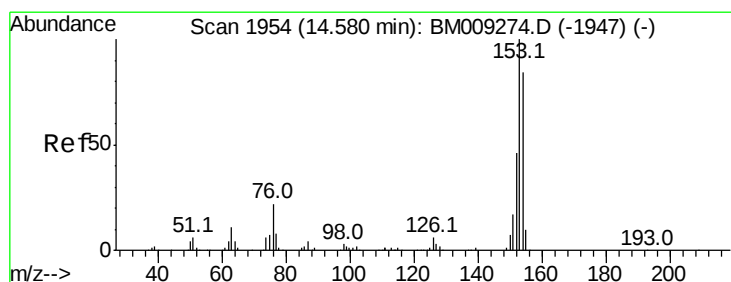
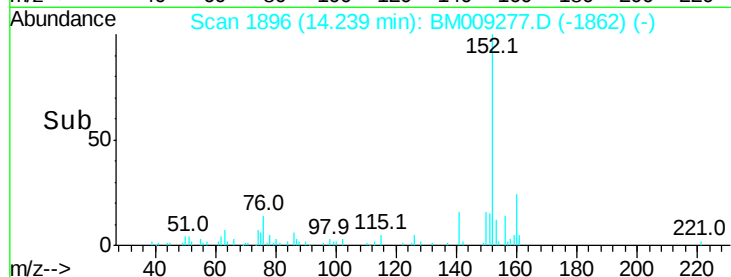
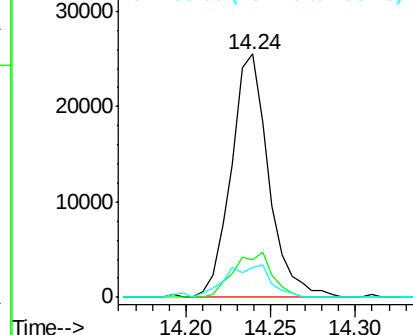
152 100

151 15.4 17.5 26.3#

153 12.1 10.6 16.0



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



#9

Acenaphthene

Concen: 4.05 ng/ul

RT: 14.58 min Scan# 1954

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

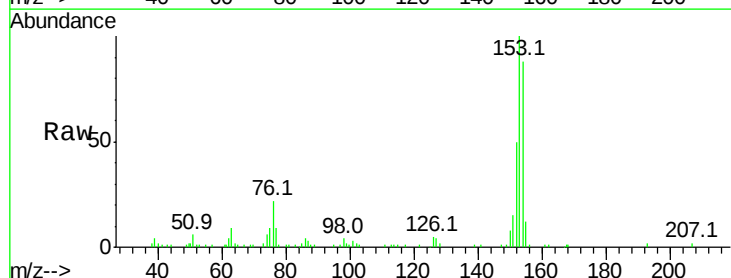
Tgt Ion:153 Resp: 93511

Ion Ratio Lower Upper

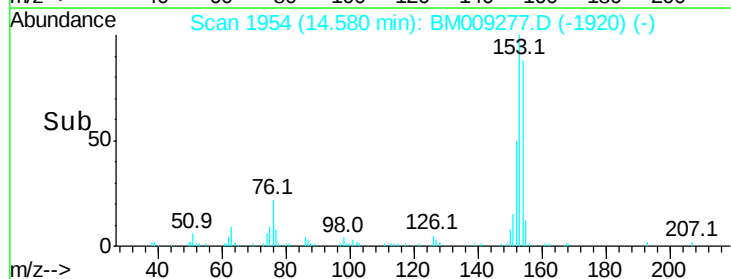
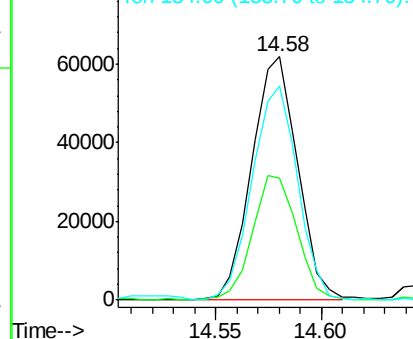
153 100

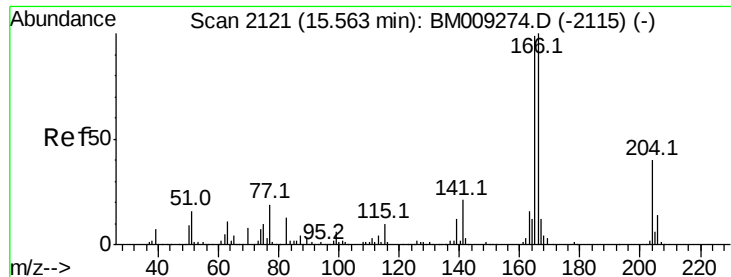
152 50.1 37.9 56.9

154 87.9 71.6 107.4



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

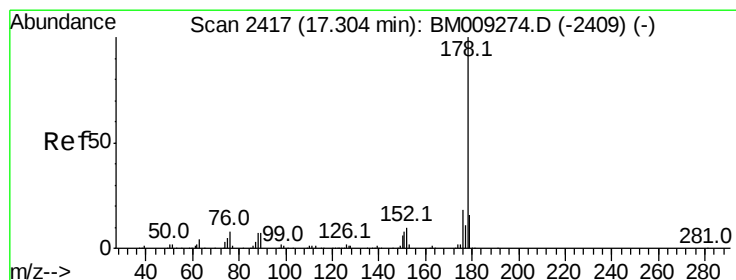
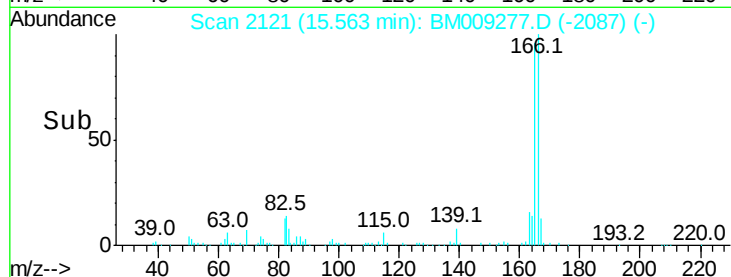
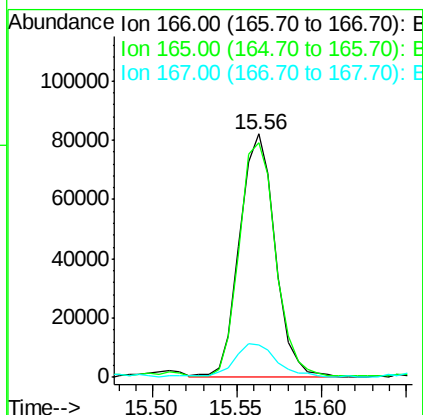
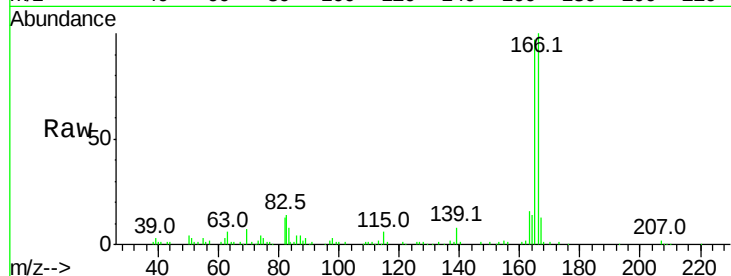




#11
 Fluorene
 Concen: 3.81 ng/ul
 RT: 15.56 min Scan# 2121
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

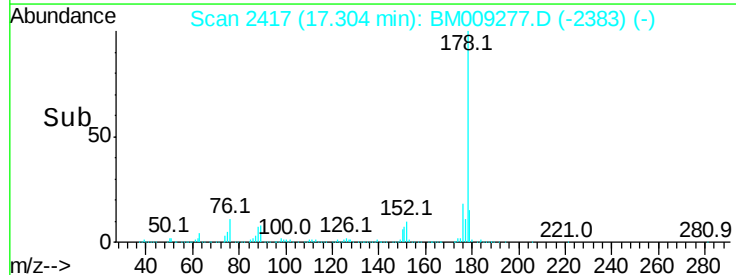
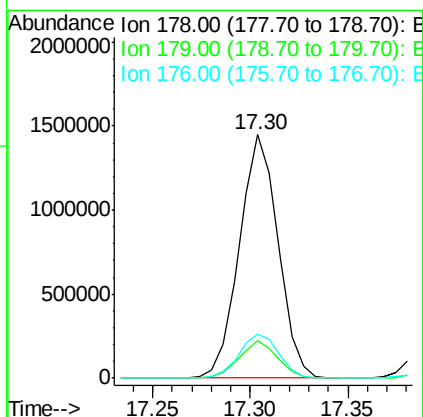
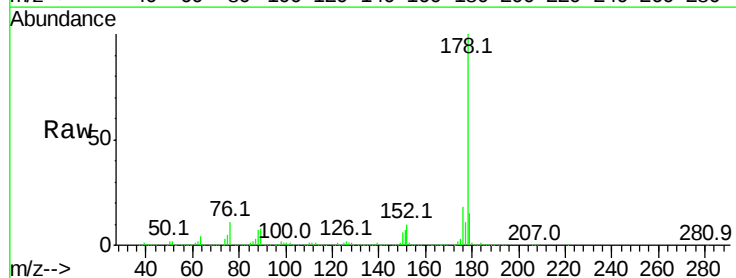
Instrument :
 BNA_M
 ClientSampleId :

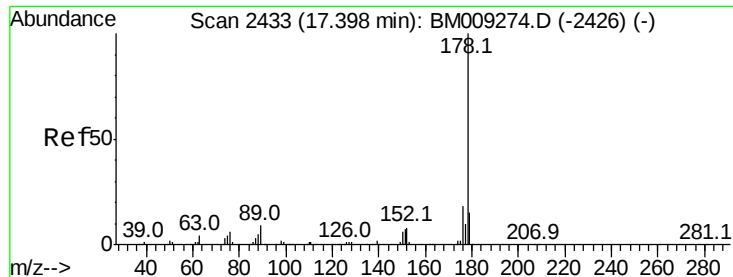
Tot Ion:166 Resp: 120712
 Ion Ratio Lower Upper
 166 100
 165 96.6 80.0 120.0
 167 13.3 11.6 17.4



#14
 Phenanthrene
 Concen: 34.74 ng/ul
 RT: 17.30 min Scan# 2417
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Tgt Ion:178 Resp: 1988927
 Ion Ratio Lower Upper
 178 100
 179 15.4 12.2 18.4
 176 18.2 16.4 24.6

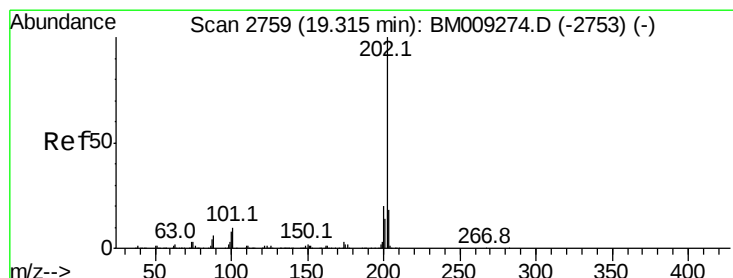
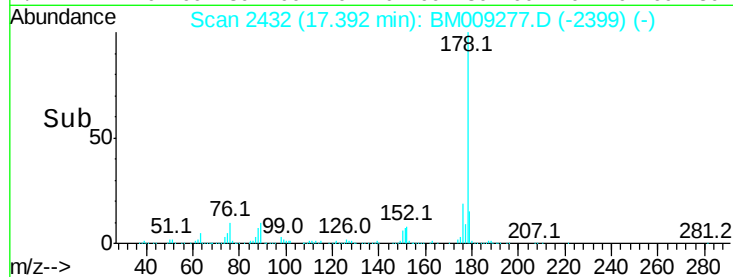
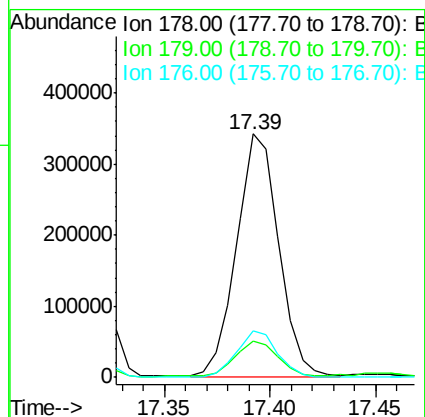
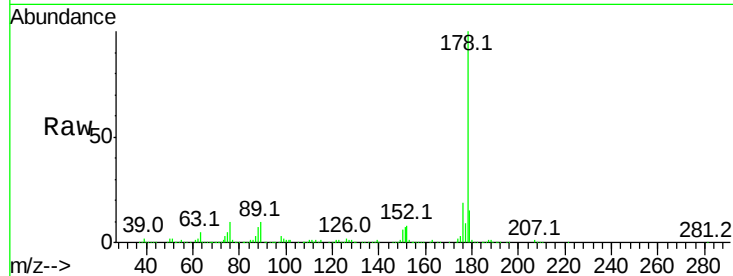




#16
 Anthracene
 Concen: 7.94 ng/ul
 RT: 17.39 min Scan# 2432
 Delta R.T. -0.01 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

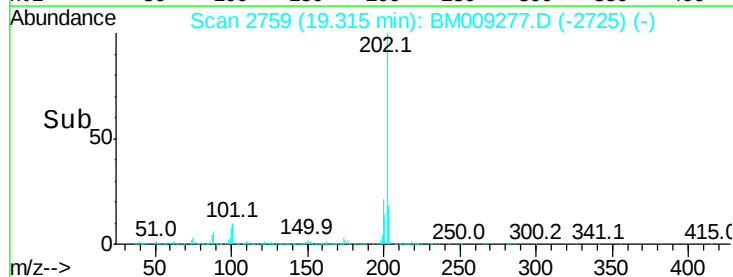
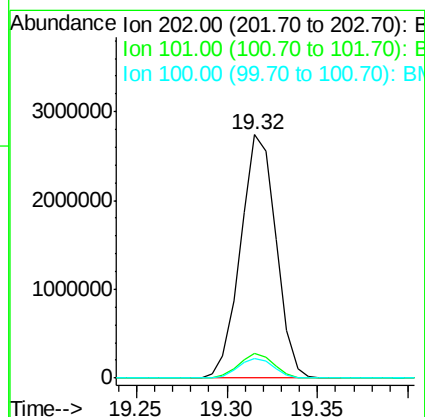
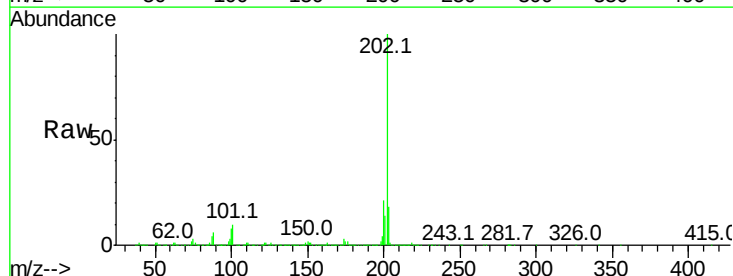
Instrument :
 BNA_M
 ClientSampleId :

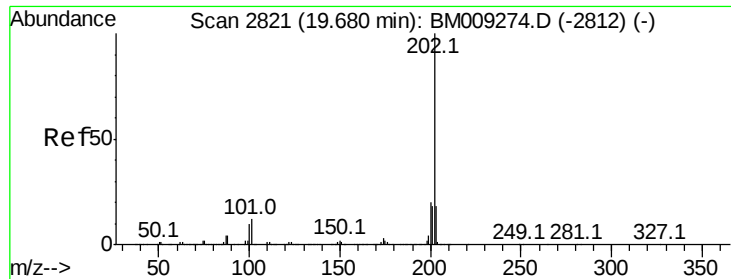
Tot Ion:178 Resp: 471543
 Ion Ratio Lower Upper
 178 100
 179 15.0 12.7 19.1
 176 19.0 15.8 23.8



#17
 Fluoranthene
 Concen: 51.29 ng/ul
 RT: 19.32 min Scan# 2759
 Delta R.T. 0.00 min
 Lab File: BM009277.D
 Acq: 17 Mar 2017 17:01

Tgt Ion:202 Resp: 3721555
 Ion Ratio Lower Upper
 202 100
 101 10.3 9.8 14.8
 100 8.0 7.5 11.3

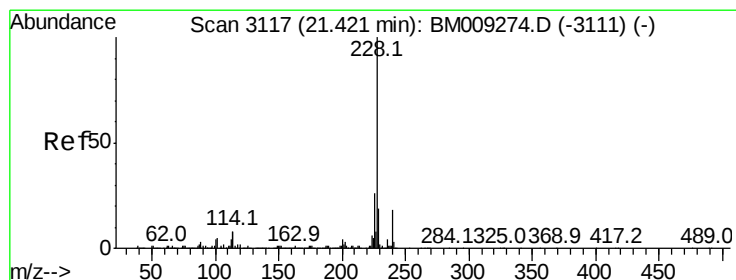
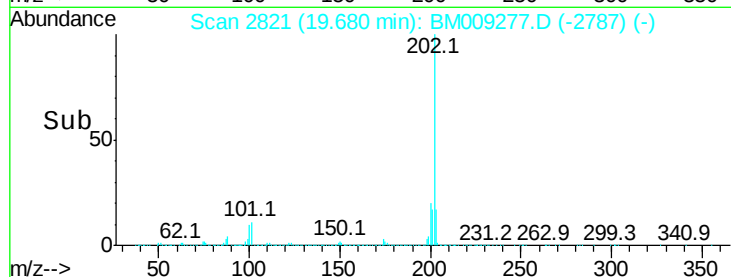
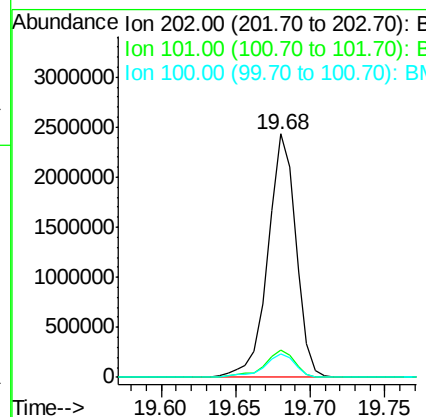
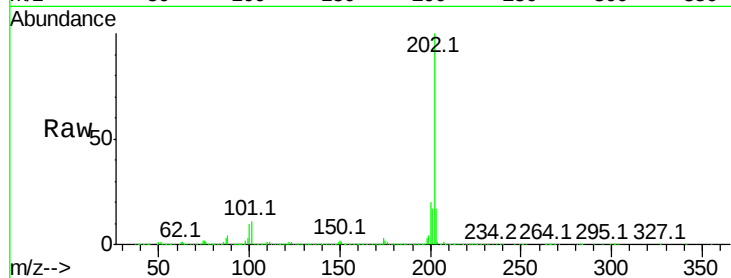




#20
Pvrene
Concen: 39.36 ng/ul
RT: 19.68 min Scan# 2821
Delta R.T. 0.00 min
Lab File: BM009277.D
Acq: 17 Mar 2017 17:01

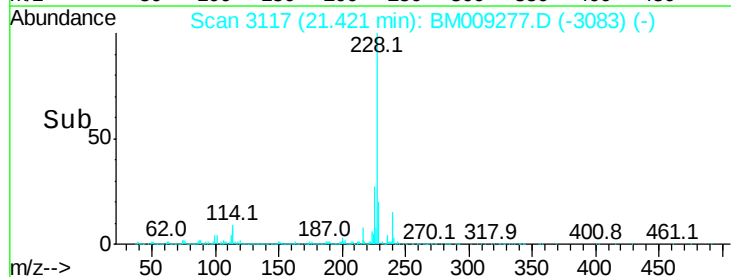
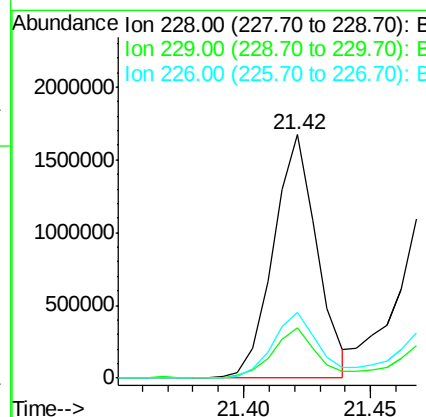
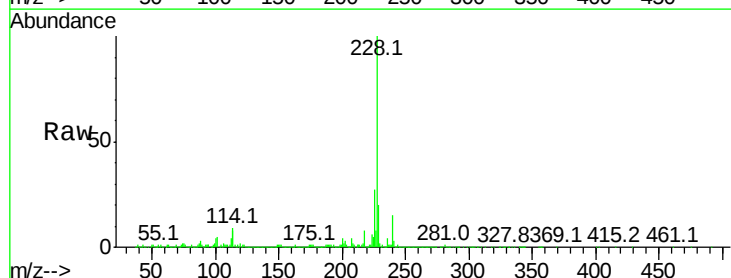
Instrument :
BNA_M
ClientSampleId :

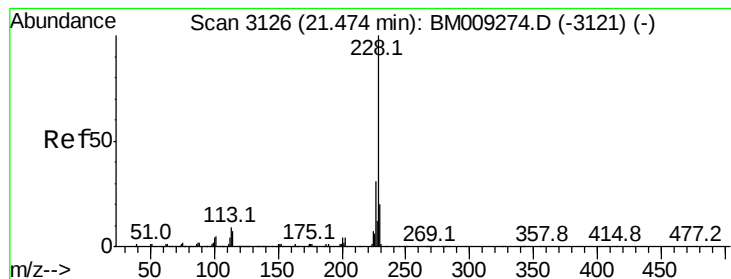
Tot Ion:202 Resp: 3147672
Ion Ratio Lower Upper
202 100
101 11.1 11.2 16.8#
100 9.9 9.8 14.6



#21
Benzo(a)anthracene
Concen: 22.49 ng/ul
RT: 21.42 min Scan# 3117
Delta R.T. 0.00 min
Lab File: BM009277.D
Acq: 17 Mar 2017 17:01

Tgt Ion:228 Resp: 1984324
Ion Ratio Lower Upper
228 100
229 20.5 15.9 23.9
226 26.7 22.1 33.1





#22

Chrysene

Concen: 21.52 ng/ul

RT: 21.47 min Scan# 3126

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampleId :

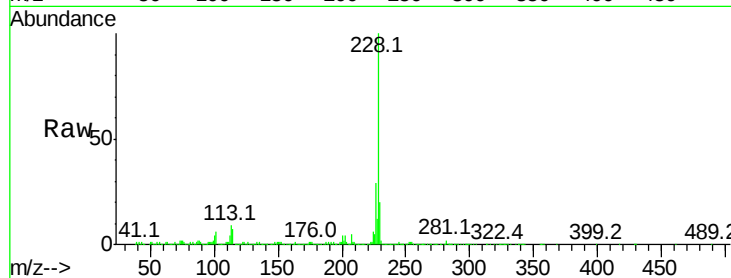
Tot Ion:228 Resp: 1793401

Ion Ratio Lower Upper

228 100

226 29.2 25.0 37.6

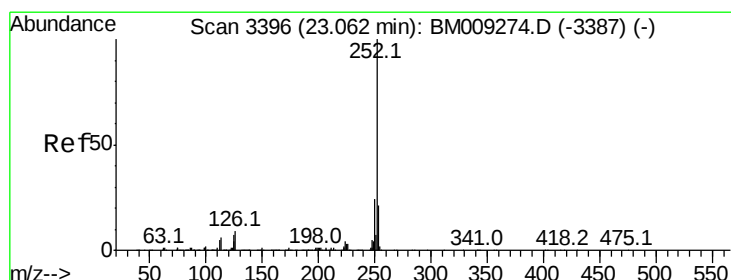
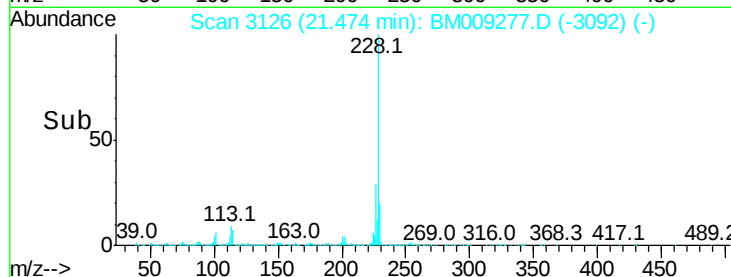
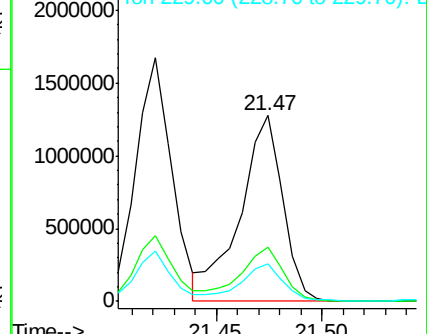
229 19.9 16.6 25.0



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



#24

Benzo(b)fluoranthene

Concen: 26.96 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

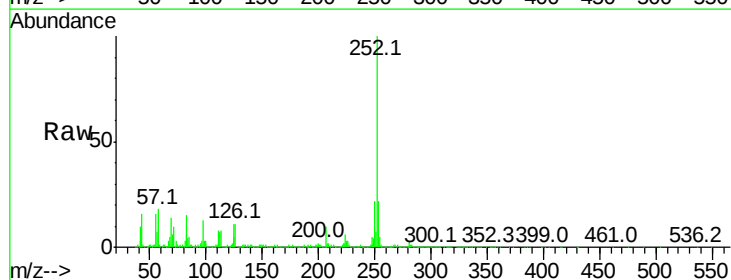
Tgt Ion:252 Resp: 2514545

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

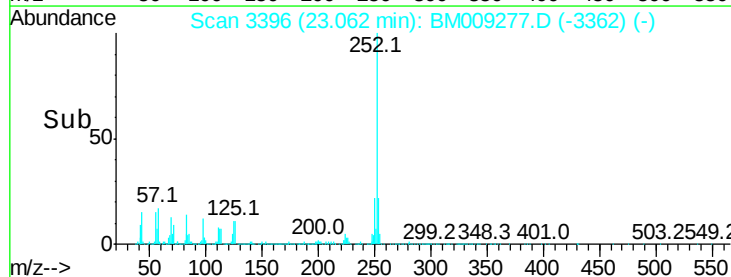
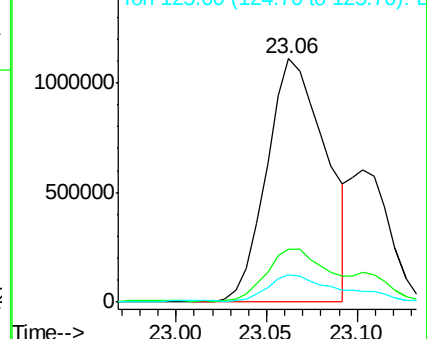
125 11.3 9.4 14.0

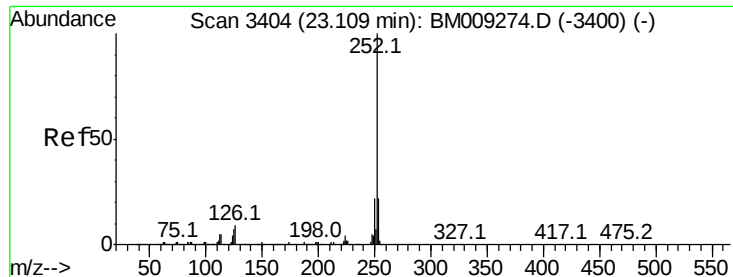


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(k)fluoranthene

Concen: 28.58 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. -0.05 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampled :

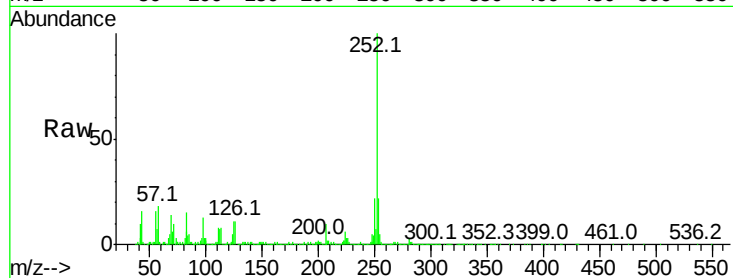
Tot Ion:252 Resp: 2514545

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

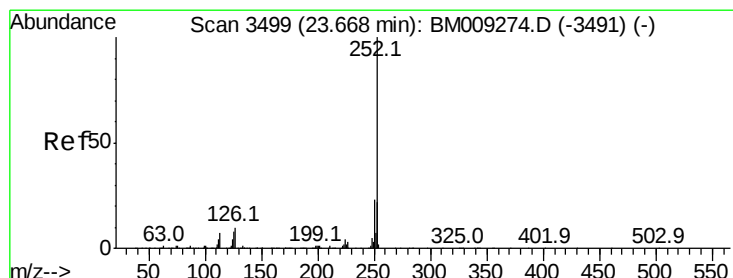
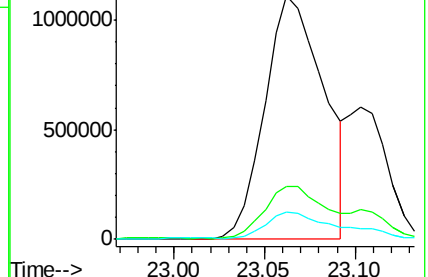
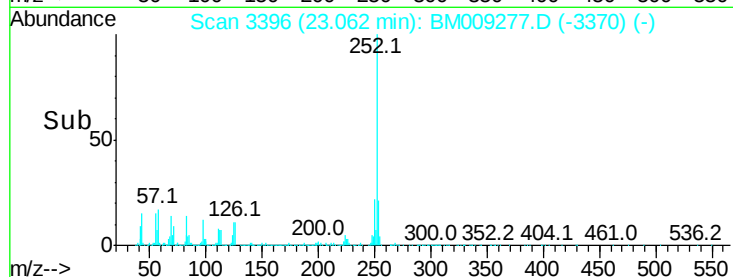
125 11.3 8.8 13.2



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



#27

Benzo(a)pyrene

Concen: 12.37 ng/ul

RT: 23.57 min Scan# 3482

Delta R.T. -0.10 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

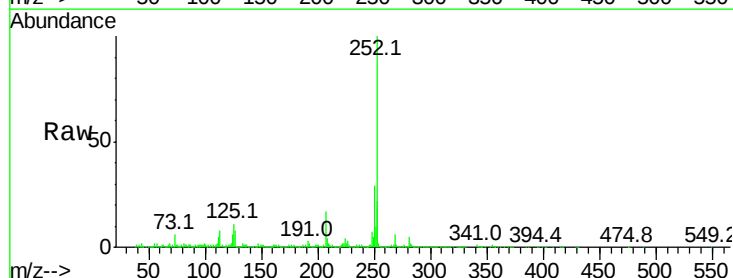
Tgt Ion:252 Resp: 1110288

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

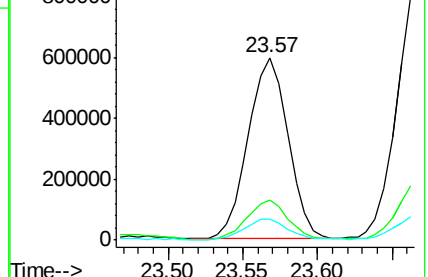
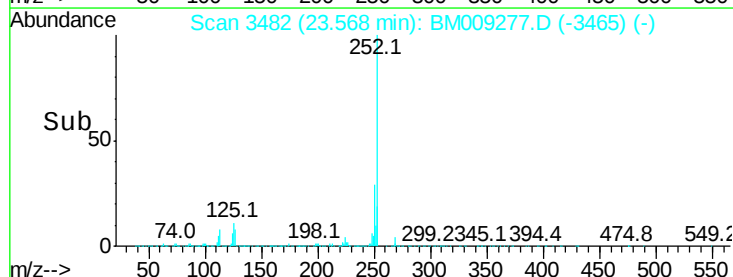
125 11.2 9.4 14.2

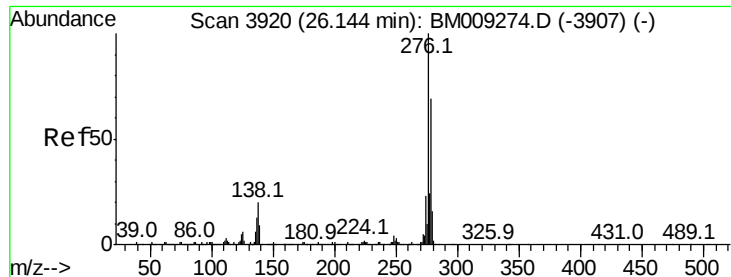


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#28

Indeno(1,2,3-cd)pyrene

Concen: 11.23 ng/ul

RT: 26.14 min Scan# 3920

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampled :

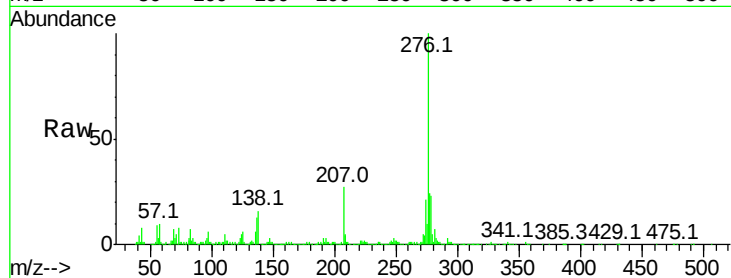
Tot Ion:276 Resp: 1196281

Ion Ratio Lower Upper

276 100

138 16.2 17.8 26.6#

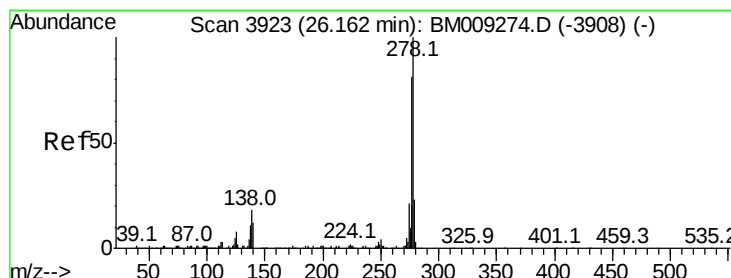
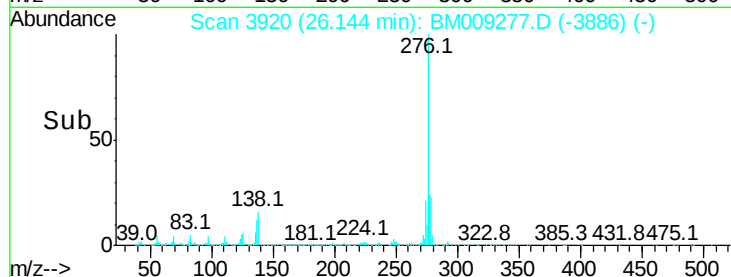
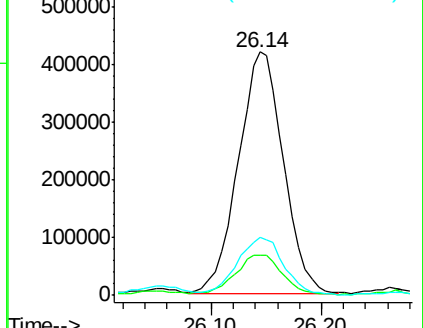
277 24.1 19.4 29.0



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



#29

Dibenzo(a,h)anthracene

Concen: 3.65 ng/ul

RT: 26.15 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

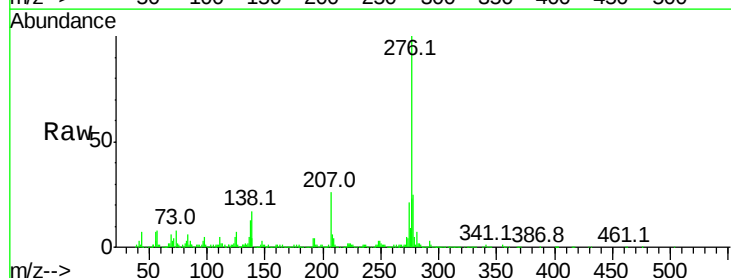
Tgt Ion:278 Resp: 328280

Ion Ratio Lower Upper

278 100

139 15.7 14.0 21.0

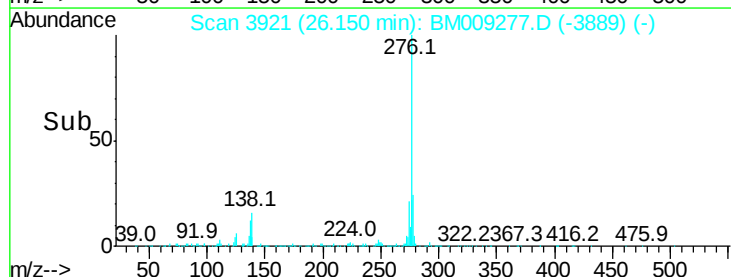
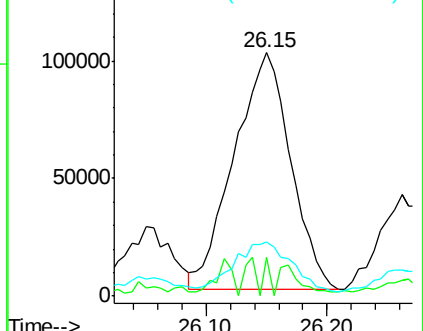
279 22.0 20.6 31.0

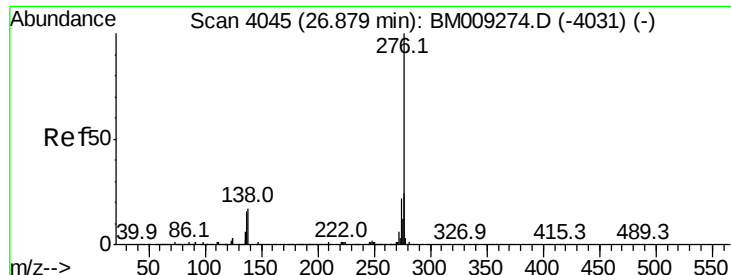


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#30

Benzo(a,h,i)perylene

Concen: 10.39 ng/ul

RT: 26.88 min Scan# 4045

Delta R.T. 0.00 min

Lab File: BM009277.D

Acq: 17 Mar 2017 17:01

Instrument :

BNA_M

ClientSampleId :

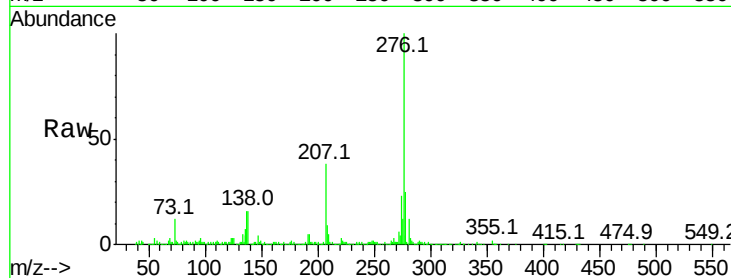
Tot Ion:276 Resp: 921398

Ion Ratio Lower Upper

276 100

138 15.9 19.0 28.4#

277 25.2 19.7 29.5



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

