

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM081815\
 Data File : BM002479.D
 Acq On : 18 Aug 2015 10:08
 Operator : UM/IZ
 Sample : G3227-12DL 5X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9DD1DL

Quant Time: Aug 18 18:06:53 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	8.88	152	113349	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	525682	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	272673	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	548652	20.00	ng/ul	0.00
17) Chrysene-d12	22.25	240	391987	20.00	ng/ul	0.00
22) Perylene-d12	24.93	264	364104	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	88046	3.16	ng/ul	0.00
10) Fluorene-d10	16.43	176	63688	3.25	ng/ul	0.00
14) Anthracene-d10	18.26	188	88723	3.35	ng/ul	0.00
18) Pyrene-d10	20.48	212	76902	4.43	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.75	264	61290	3.20	ng/ul	0.00

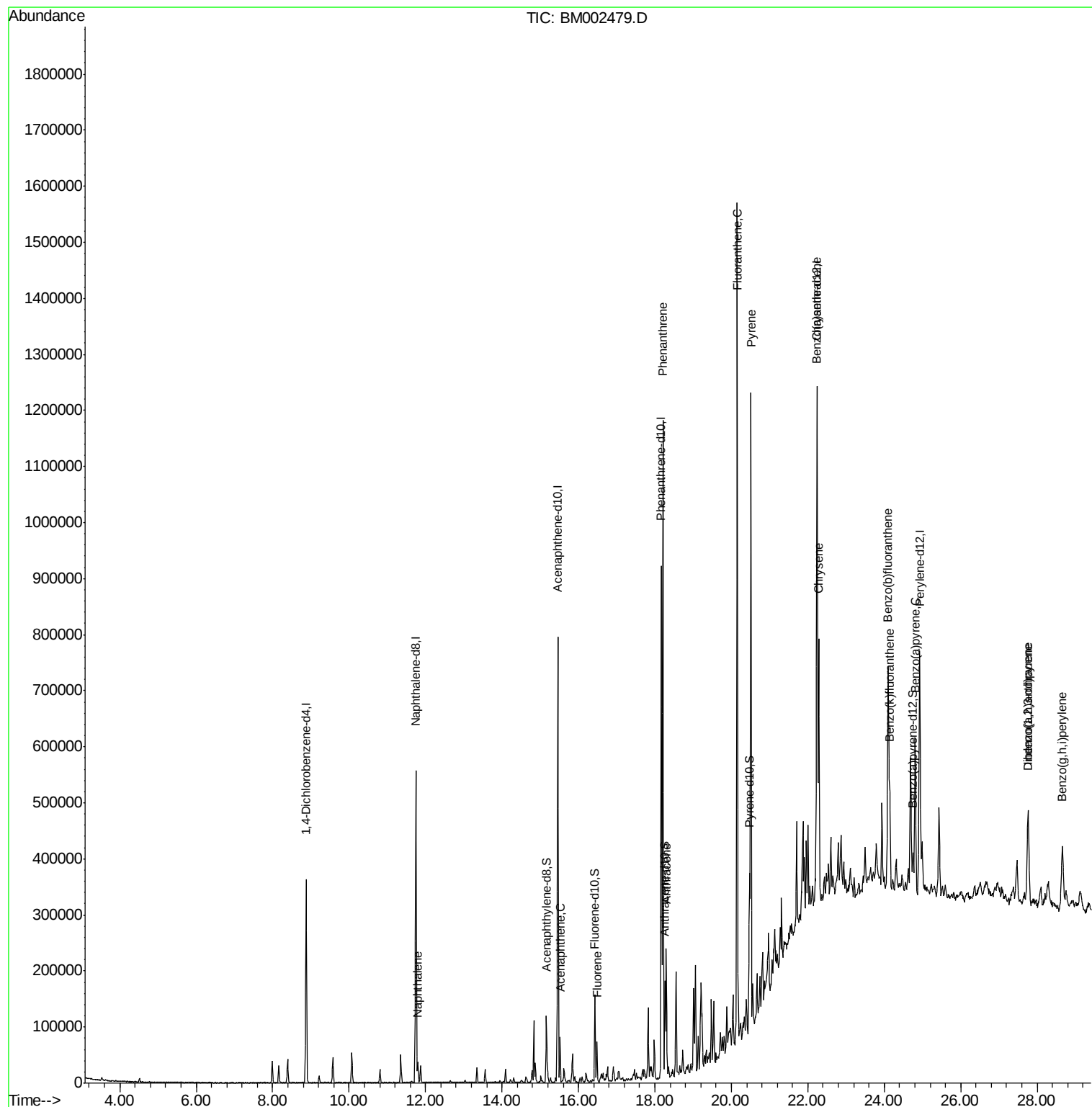
Target Compounds				Qvalue		
3) Naphthalene	11.80	128	34130	1.27	ng/ul	99
9) Acenaphthene	15.52	153	34009	1.77	ng/ul	99
11) Fluorene	16.49	166	33215	1.51	ng/ul	96
13) Phenanthrene	18.21	178	735686	23.22	ng/ul	100
15) Anthracene	18.30	178	144044	4.49	ng/ul	100
16) Fluoranthene	20.16	202	891888	24.87	ng/ul	99
19) Pyrene	20.51	202	653013	28.44	ng/ul	99
20) Benzo(a)anthracene	22.23	228	306001	13.05	ng/ul	99
21) Chrysene	22.29	228	300883	13.72	ng/ul	97
23) Benzo(b)fluoranthene	24.10	252	372450	16.92	ng/ul	98
24) Benzo(k)fluoranthene	24.14	252	128841m	6.18	ng/ul	
26) Benzo(a)pyrene	24.81	252	236639	11.26	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.77	276	173755	7.19	ng/ul	95
28) Dibenzo(a,h)anthracene	27.75	278	54783m	2.71	ng/ul	
29) Benzo(g,h,i)perylene	28.66	276	149237	7.41	ng/ul	97

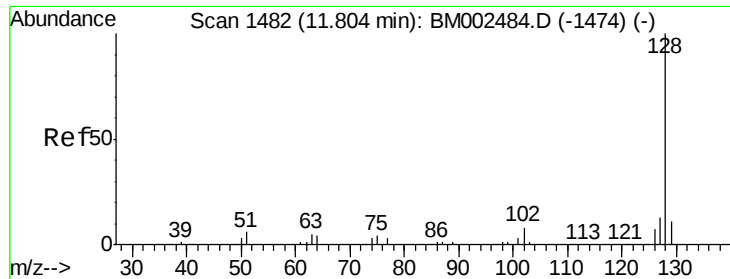
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#3

Naphthalene

Concen: 1.27 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. -0.01 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

Instrument :

BNA_M

ClientSampled :

D9DD1DL

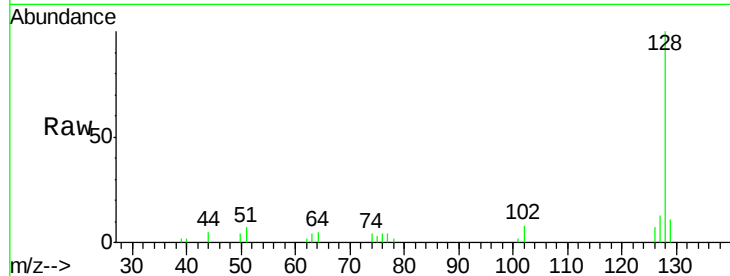
Tgt Ion:128 Resp: 34130

Ion Ratio Lower Upper

128 100

129 11.3 8.6 12.8

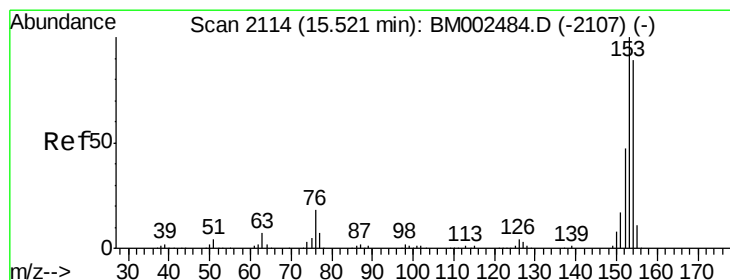
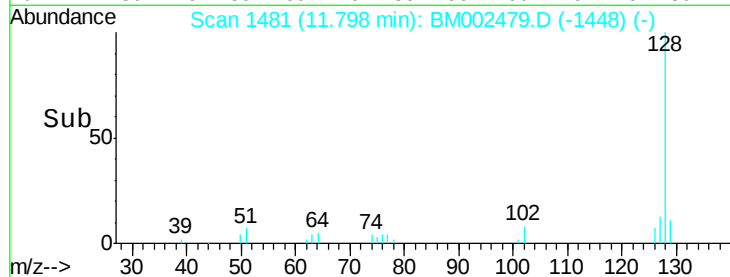
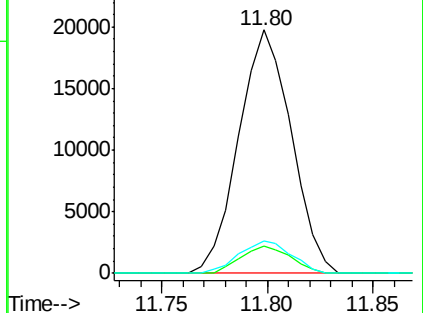
127 13.4 10.4 15.6



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



#9

Acenaphthene

Concen: 1.77 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. -0.01 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

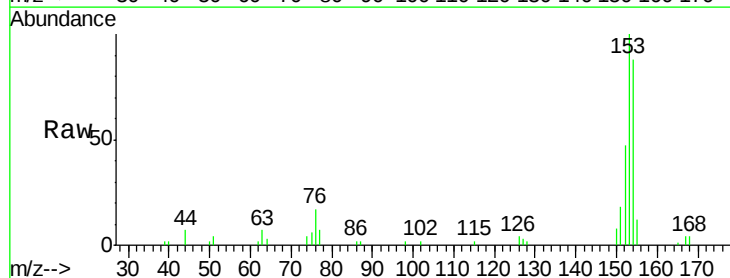
Tgt Ion:153 Resp: 34009

Ion Ratio Lower Upper

153 100

152 47.0 36.9 55.3

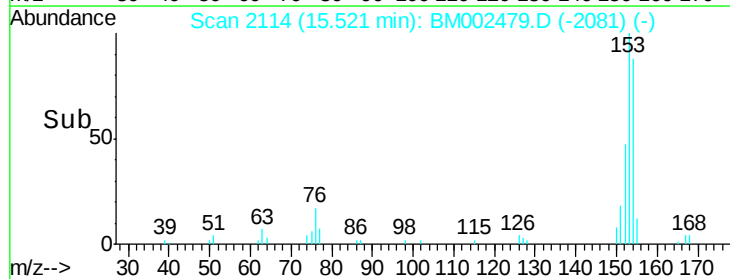
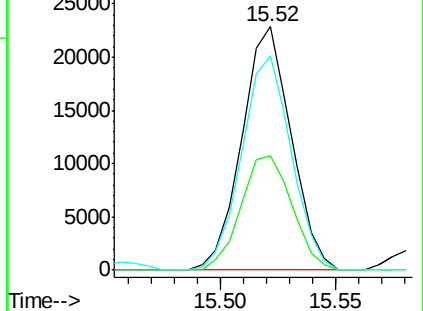
154 88.0 71.3 106.9

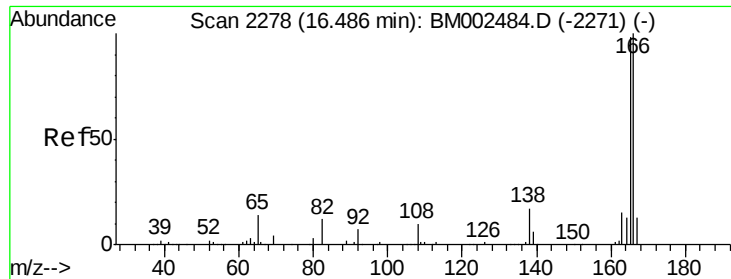


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

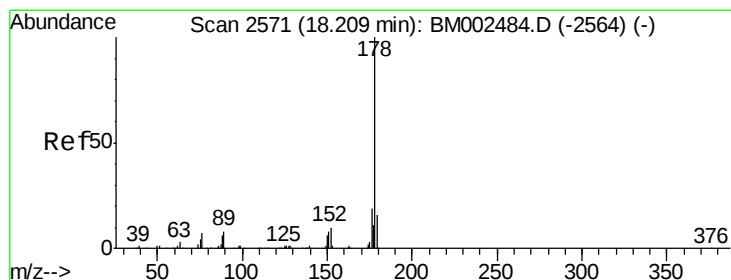
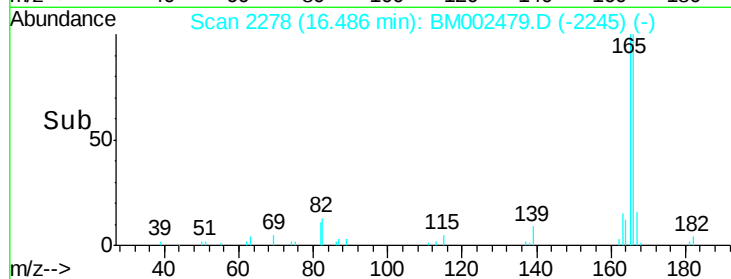
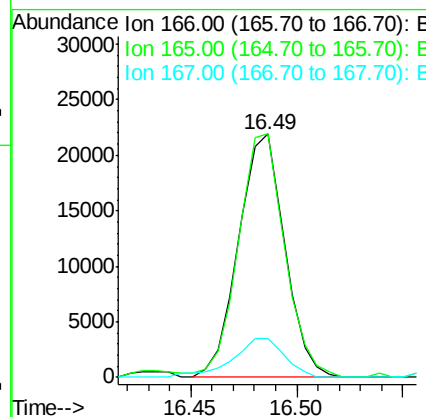
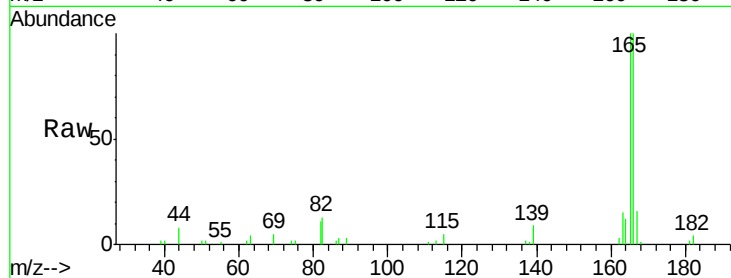




#11
 Fluorene
 Concen: 1.51 ng/ul
 RT: 16.49 min Scan# 2278
 Delta R.T. -0.01 min
 Lab File: BM002479.D
 Acq: 18 Aug 2015 10:08

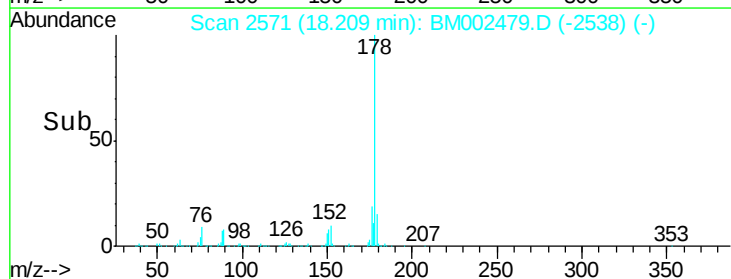
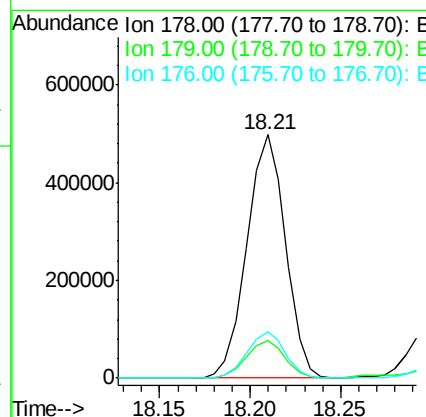
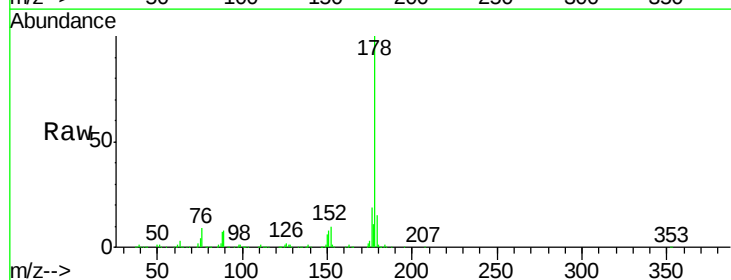
Instrument :
 BNA_M
 ClientSampleId :
 D9DD1DL

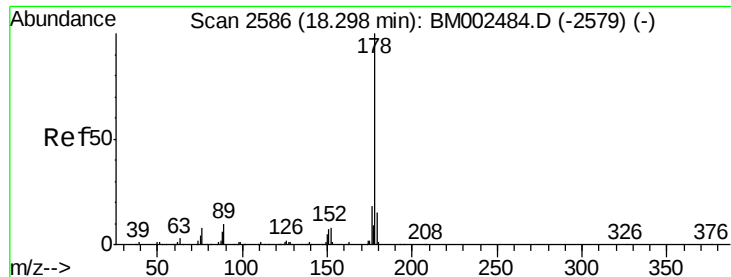
Tgt Ion:166 Resp: 33215
 Ion Ratio Lower Upper
 166 100
 165 100.2 77.6 116.4
 167 16.0 10.7 16.1



#13
 Phenanthrene
 Concen: 23.22 ng/ul
 RT: 18.21 min Scan# 2571
 Delta R.T. -0.01 min
 Lab File: BM002479.D
 Acq: 18 Aug 2015 10:08

Tgt Ion:178 Resp: 735686
 Ion Ratio Lower Upper
 178 100
 179 15.2 12.4 18.6
 176 18.9 15.1 22.7





#15

Anthracene

Concen: 4.49 ng/ul

RT: 18.30 min Scan# 2586

Delta R.T. -0.01 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

Instrument :

BNA_M

ClientSampleId :

D9DD1DL

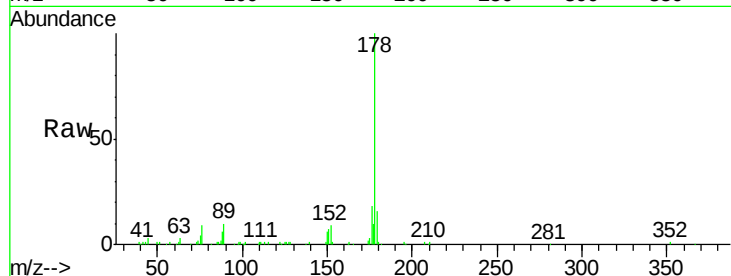
Tgt Ion:178 Resp: 144044

Ion Ratio Lower Upper

178 100

179 15.8 12.6 18.8

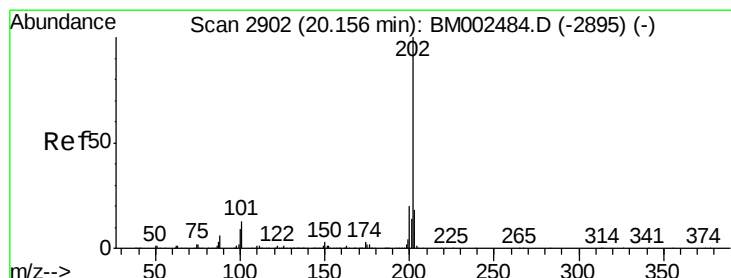
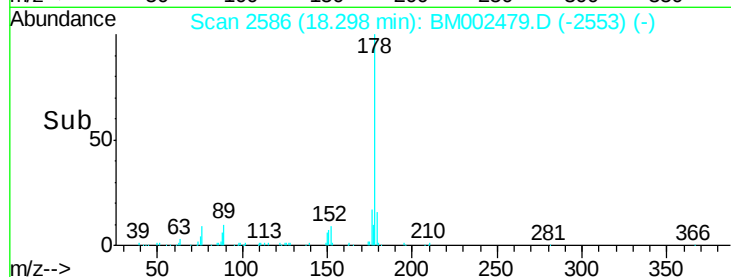
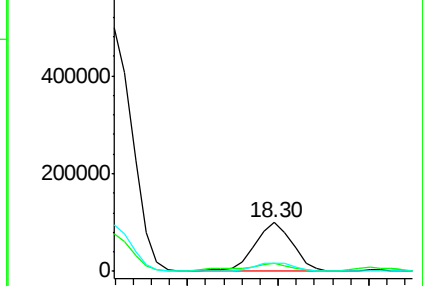
176 17.8 14.5 21.7



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



#16

Fluoranthene

Concen: 24.87 ng/ul

RT: 20.16 min Scan# 2902

Delta R.T. 0.00 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

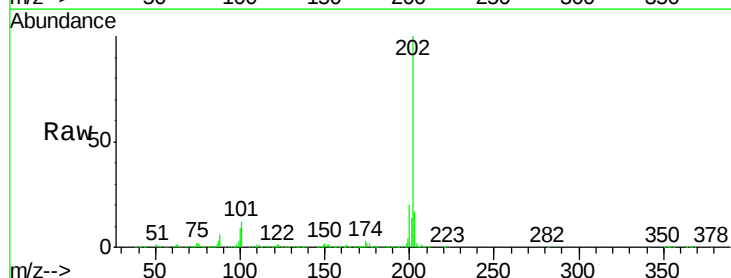
Tgt Ion:202 Resp: 891888

Ion Ratio Lower Upper

202 100

101 12.3 9.7 14.5

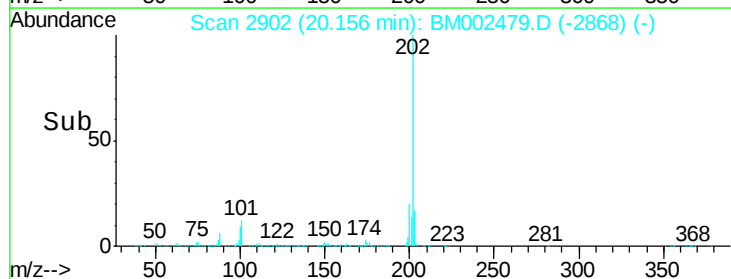
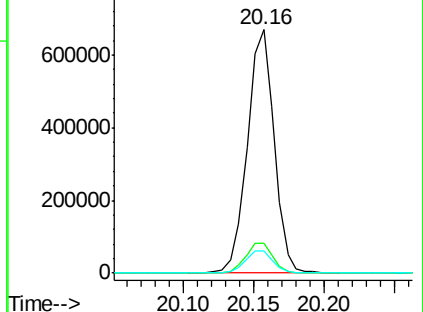
100 9.1 7.4 11.2

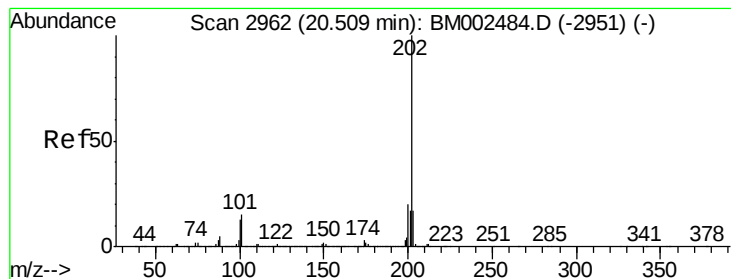


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

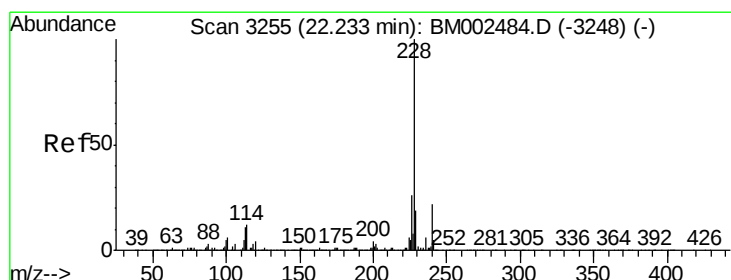
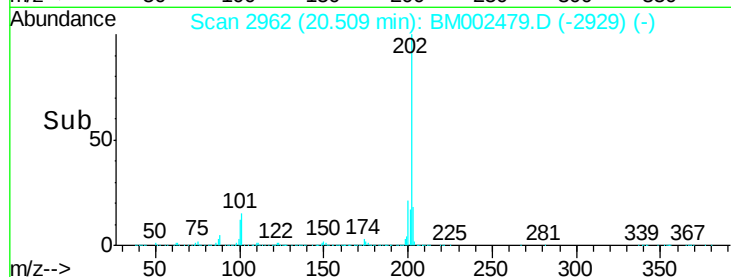
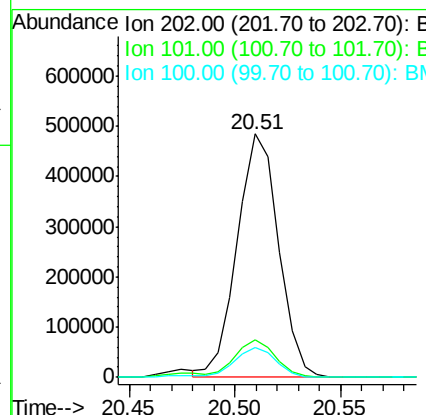
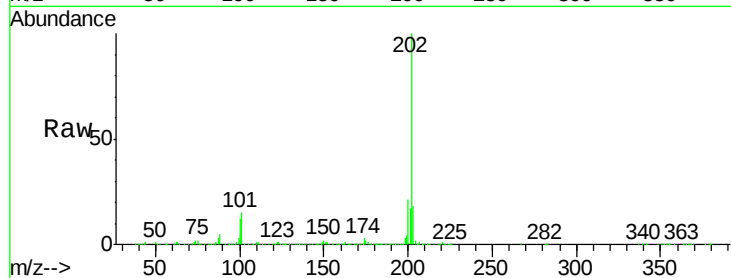




#19
 Pyrene
 Concen: 28.44 ng/ul
 RT: 20.51 min Scan# 2962
 Delta R.T. -0.01 min
 Lab File: BM002479.D
 Acq: 18 Aug 2015 10:08

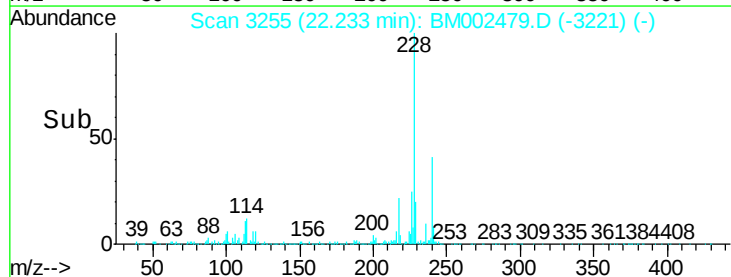
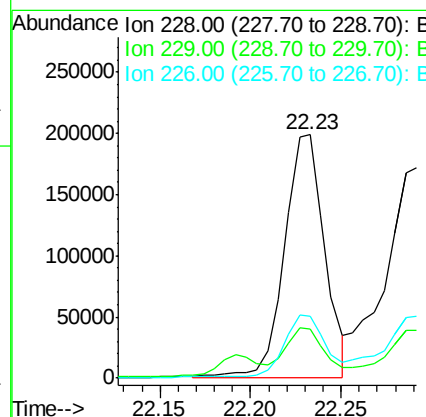
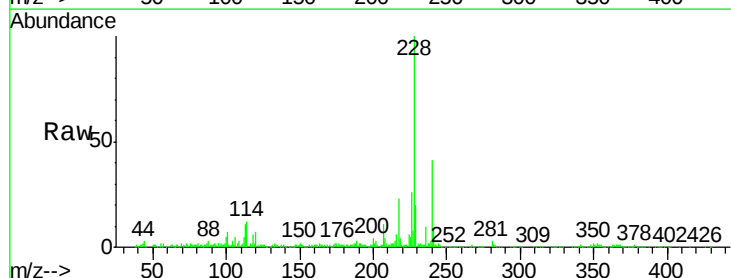
Instrument :
 BNA_M
 ClientSampleId :
 D9DD1DL

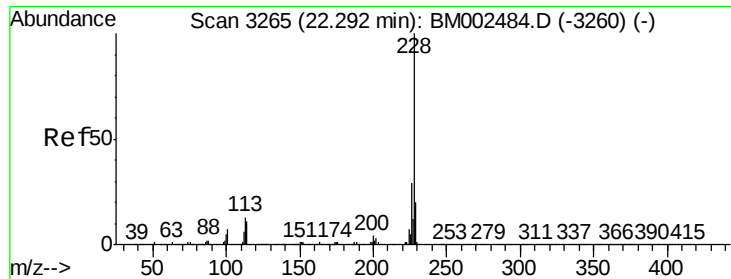
Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.3	12.0	18.0
100	12.4	9.7	14.5



#20
 Benzo(a)anthracene
 Concen: 13.05 ng/ul
 RT: 22.23 min Scan# 3255
 Delta R.T. 0.00 min
 Lab File: BM002479.D
 Acq: 18 Aug 2015 10:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.2	15.8	23.6
226	25.6	21.1	31.7





#21

Chrysene

Concen: 13.72 ng/ul

RT: 22.29 min Scan# 3265

Delta R.T. 0.00 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

Instrument :

BNA_M

ClientSampleId :

D9DD1DL

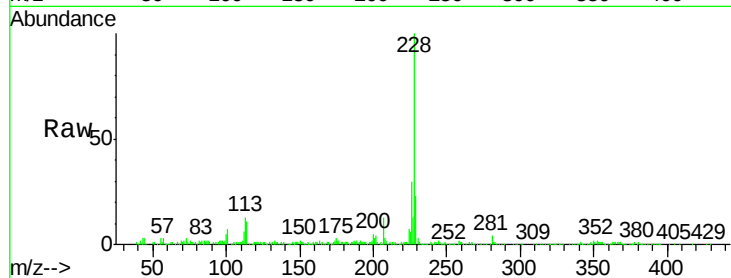
Tgt Ion:228 Resp: 300883

Ion Ratio Lower Upper

228 100

226 29.5 23.4 35.2

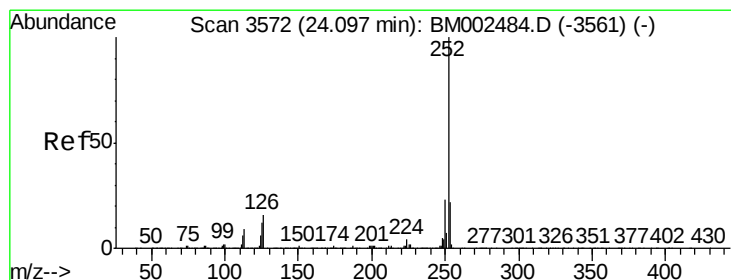
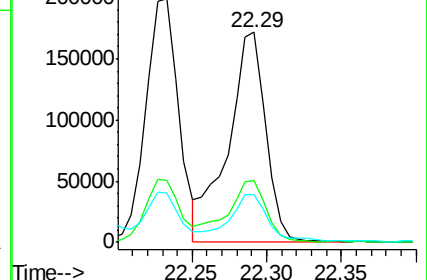
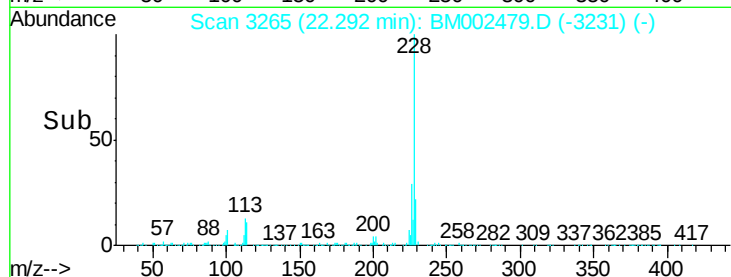
229 22.5 15.7 23.5



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: 16.92 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. 0.00 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

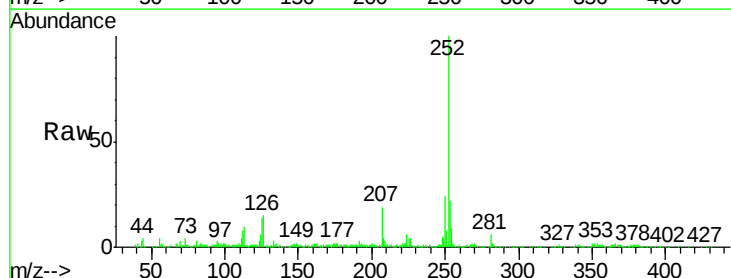
Tgt Ion:252 Resp: 372450

Ion Ratio Lower Upper

252 100

253 22.3 17.4 26.0

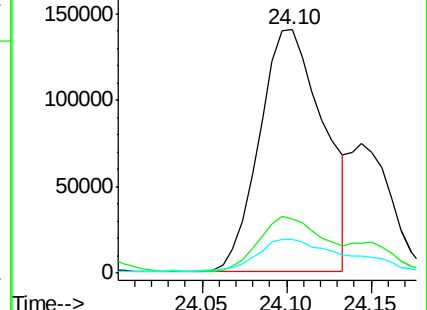
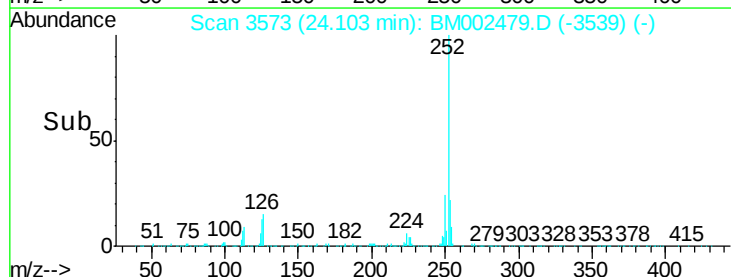
125 13.7 10.0 15.0

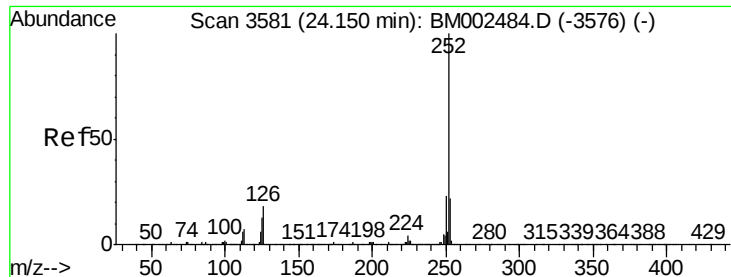


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 6.18 ng/ul m

RT: 24.14 min Scan# 3580

Delta R.T. -0.01 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

Instrument :

BNA_M

ClientSampleId :

D9DD1DL

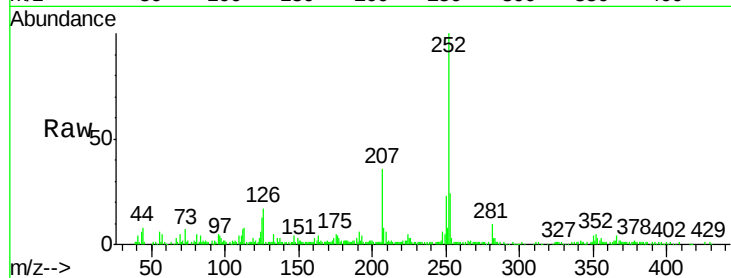
Tgt Ion:252 Resp: 128841

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.6

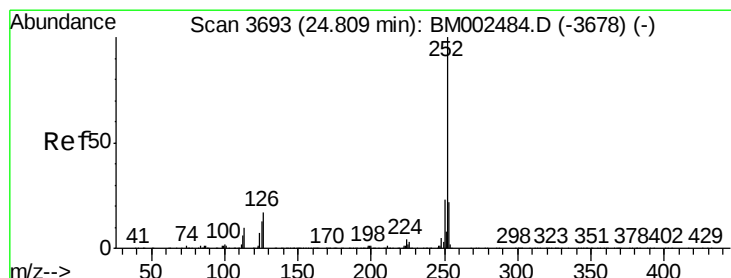
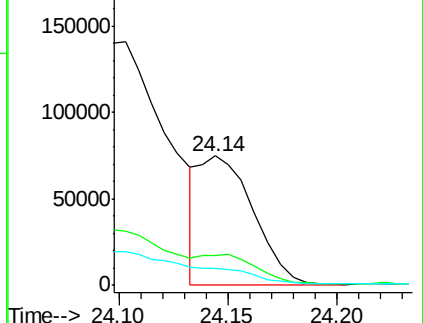
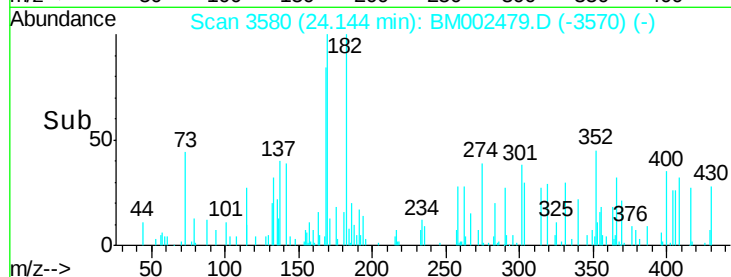
125 13.2 9.8 14.8



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



#26

Benzo(a)pyrene

Concen: 11.26 ng/ul

RT: 24.81 min Scan# 3693

Delta R.T. -0.01 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

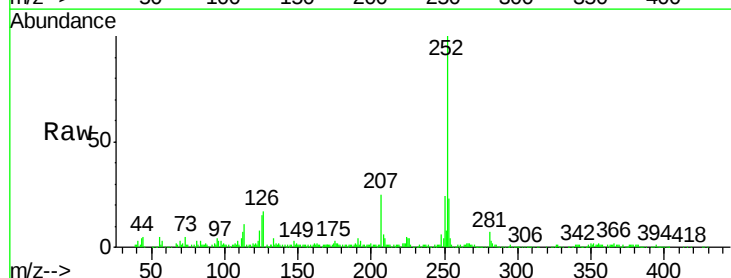
Tgt Ion:252 Resp: 236639

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

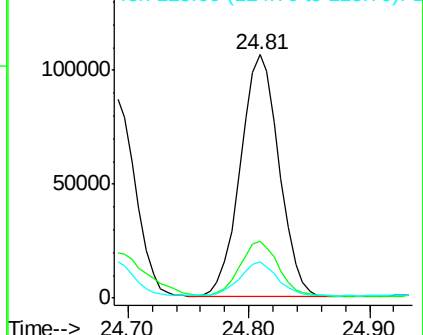
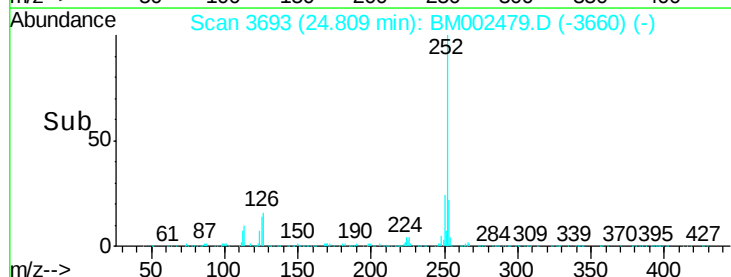
125 14.8 10.7 16.1

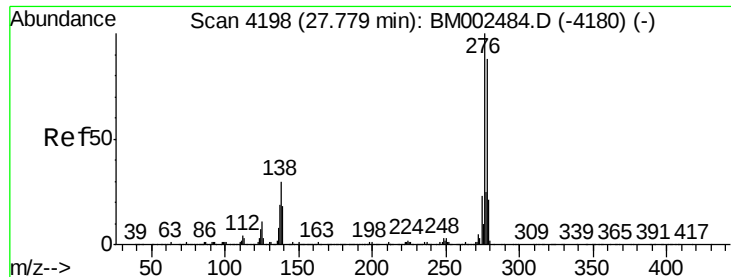


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#27

Indeno(1,2,3-cd)pyrene

Concen: 7.19 ng/ul

RT: 27.77 min Scan# 4196

Delta R.T. -0.01 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

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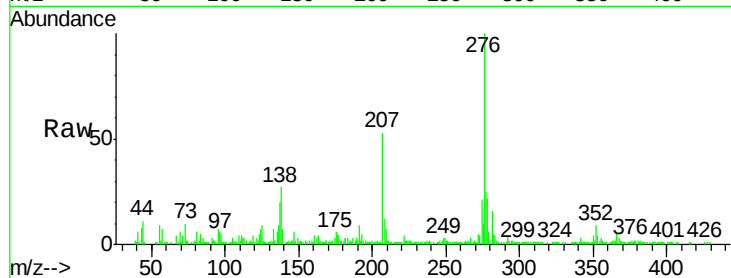
Tgt Ion:276 Resp: 173755

Ion Ratio Lower Upper

276 100

138 26.9 25.3 37.9

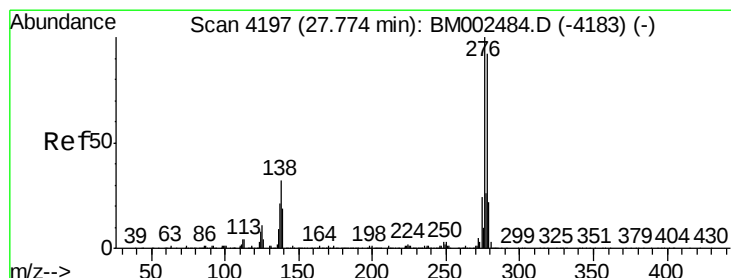
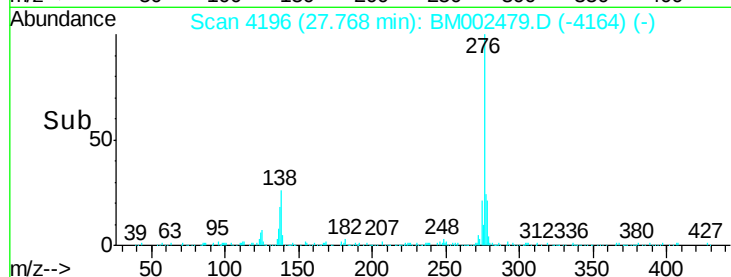
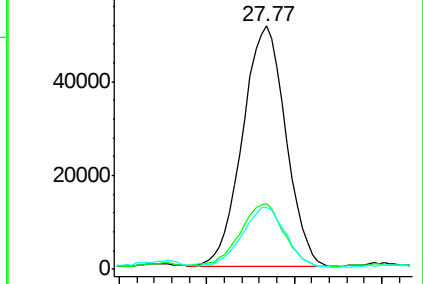
277 25.2 20.2 30.2



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



#28

Dibenzo(a,h)anthracene

Concen: 2.71 ng/ul m

RT: 27.75 min Scan# 4193

Delta R.T. -0.03 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

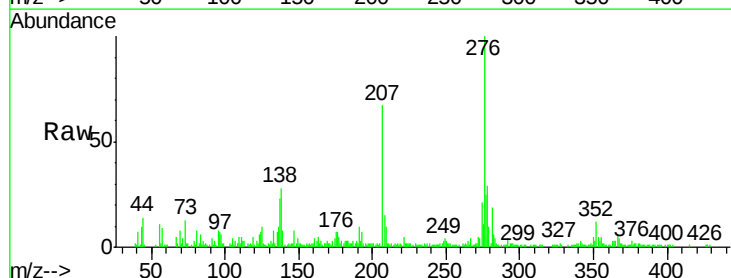
Tgt Ion:278 Resp: 54783

Ion Ratio Lower Upper

278 100

139 25.9 16.5 24.7#

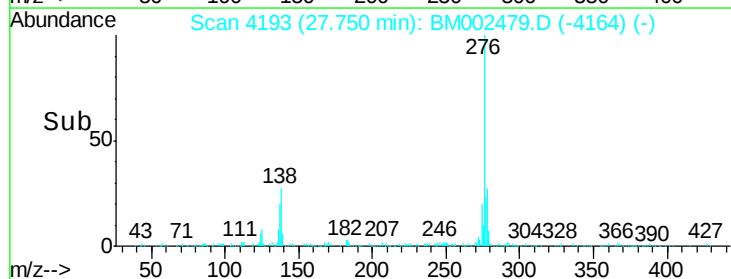
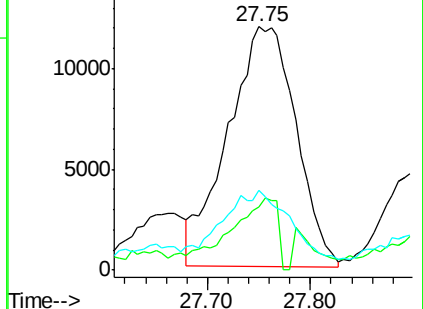
279 32.9 18.8 28.2#

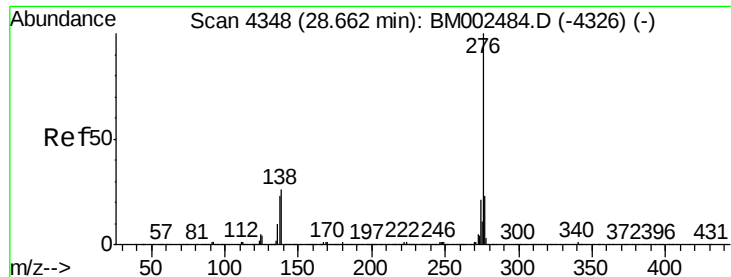


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#29

Benzo(g,h,i)perylene

Concen: 7.41 ng/ul

RT: 28.66 min Scan# 4348

Delta R.T. -0.01 min

Lab File: BM002479.D

Acq: 18 Aug 2015 10:08

Instrument :

BNA_M

ClientSampleId :

D9DD1DL

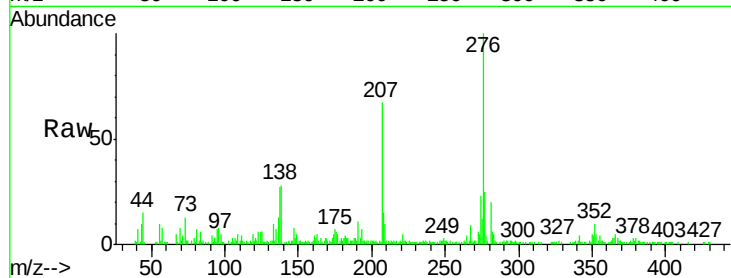
Tgt Ion: 276 Resp: 149237

Ion Ratio Lower Upper

276 100

138 27.7 21.0 31.6

277 25.2 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

