

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003585.D
 Acq On : 16 Dec 2015 19:42
 Operator : UM/IZ
 Sample : G4767-09
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N31

Quant Time: Dec 17 03:01:30 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 17 02:56:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	3690	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	14859	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	8286	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1019981	0.40	ng/ul	0.10
18) Chrysene-d12	21.30	240	16101	0.40	ng/ul	-0.01
22) Perylene-d12	23.42	264	1043407	0.40	ng/ul	-0.15

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	20304	12.87	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	5675	0.32	ng/ul	-0.01
16) Fluoranthene-d10	19.14	212	11906	0.01	ng/ul	0.00

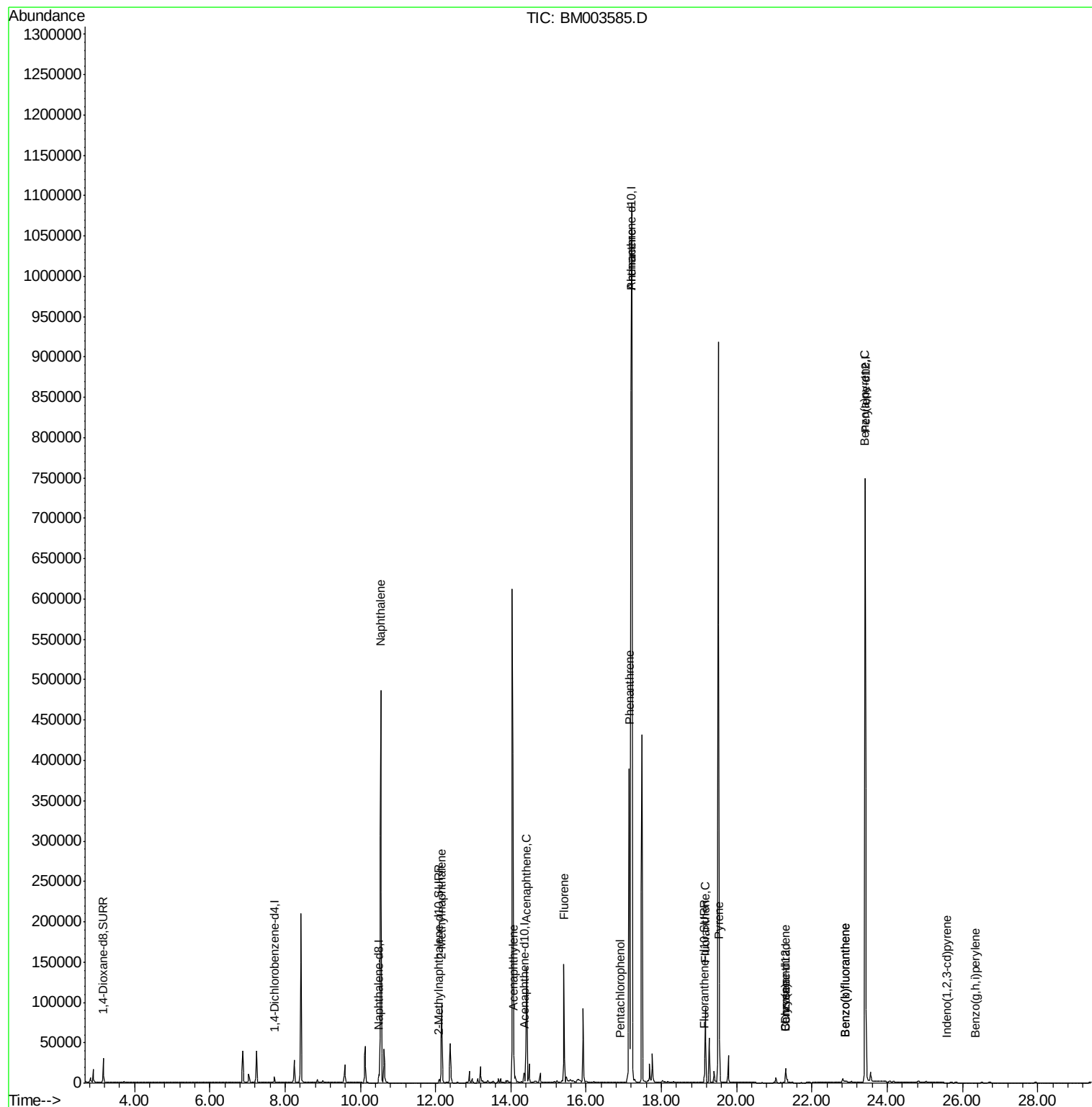
Target Compounds				Qvalue		
5) Naphthalene	10.55	128	660345	19.73	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	69238	3.08	ng/ul	99
9) Acenaphthylene	14.07	152	16155	0.51	ng/ul#	90
10) Acenaphthene	14.42	153	82792	3.25	ng/ul	91
11) Fluorene	15.41	166	91880	3.25	ng/ul	89
13) Pentachlorophenol	16.90	266	9	0.00	ng/ul#	52
14) Phenanthrene	17.14	178	406472	0.15	ng/ul	93
15) Anthracene	17.21	178	222611	0.10	ng/ul#	1
17) Fluoranthene	19.17	202	86327	0.03	ng/ul	99
19) Pyrene	19.53	202	67743	1.56	ng/ul	98
20) Benzo(a)anthracene	21.29	228	4601	0.12	ng/ul	92
21) Chrysene	21.29	228	4601	0.10	ng/ul	95
23) Benzo(b)fluoranthene	22.88	252	734	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.88	252	962	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.41	252	4309	0.00	ng/ul#	62
26) Indeno(1,2,3-cd)pyrene	25.59	276	988	0.00	ng/ul#	53
28) Benzo(g,h,i)perylene	26.34	276	17	0.00	ng/ul#	1

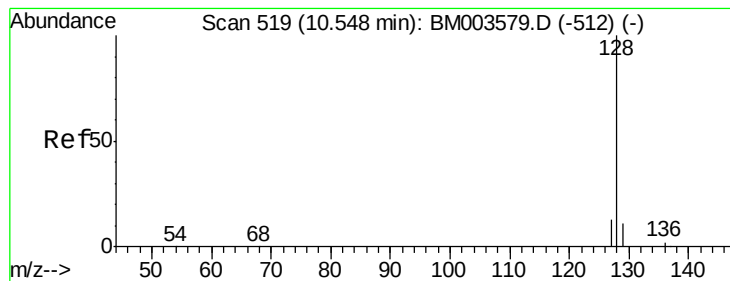
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
Data File : BM003585.D
Acq On : 16 Dec 2015 19:42
Operator : UM/IZ
Sample : G4767-09
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
D9N31

Quant Time: Dec 17 03:01:30 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 17 02:56:38 2015
Response via : Initial Calibration





#5

Naphthalene

Concen: 19.73 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

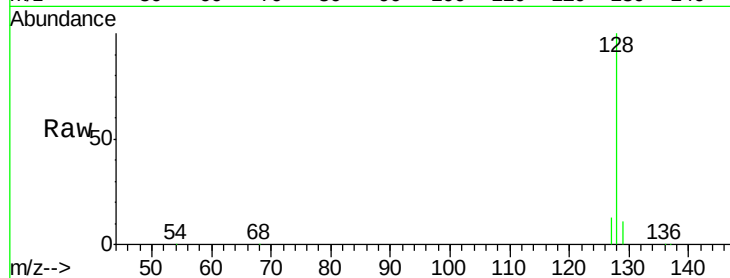
Tgt Ion:128 Resp: 660345

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

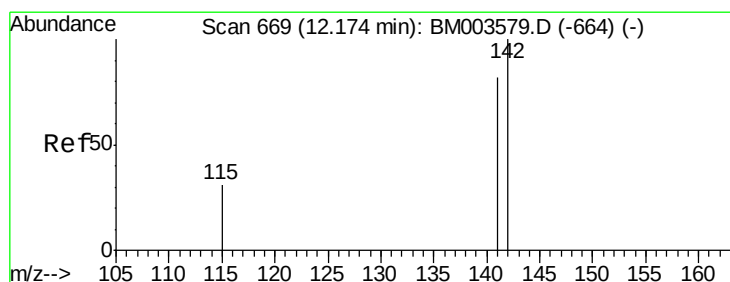
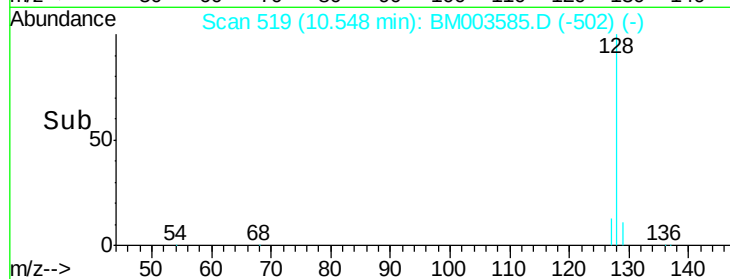
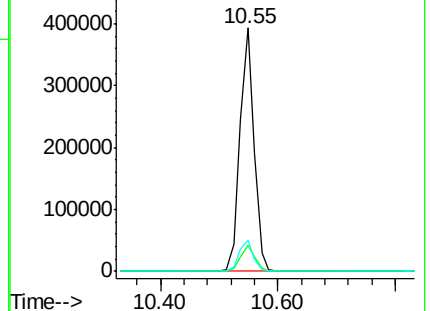
127 12.5 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 3.08 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. -0.01 min

Lab File: BM003585.D

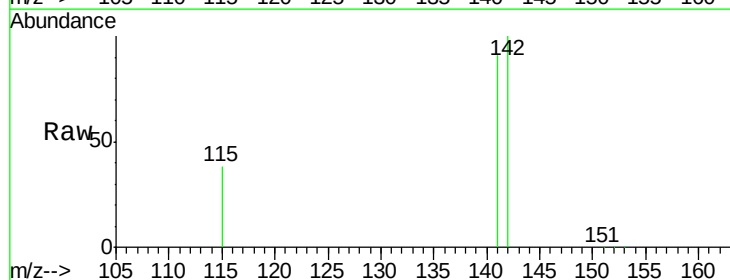
Acq: 16 Dec 2015 19:42

Tgt Ion:142 Resp: 69238

Ion Ratio Lower Upper

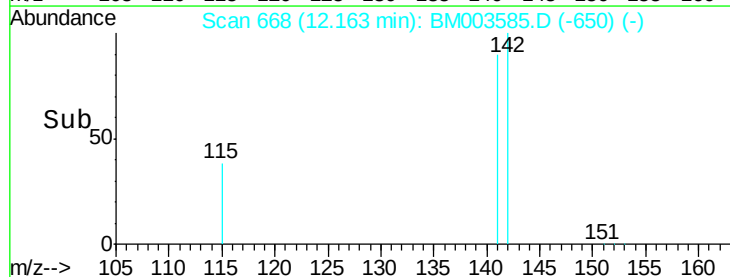
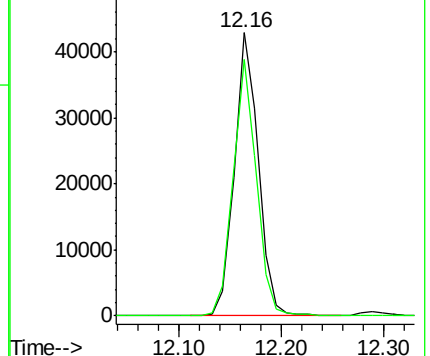
142 100

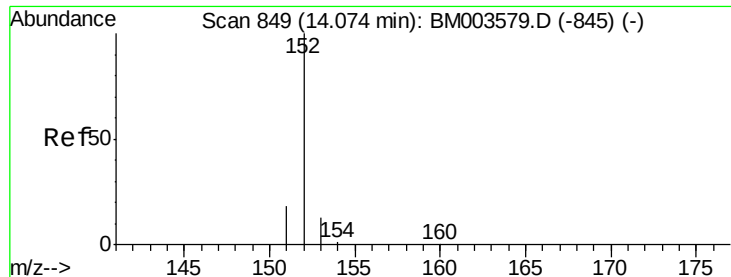
141 88.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.51 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

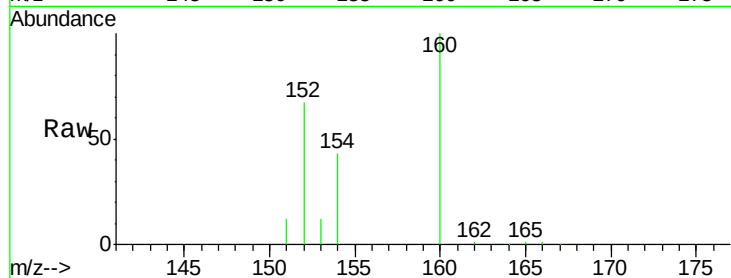
Tgt Ion:152 Resp: 16155

Ion Ratio Lower Upper

152 100

151 18.2 17.6 26.4

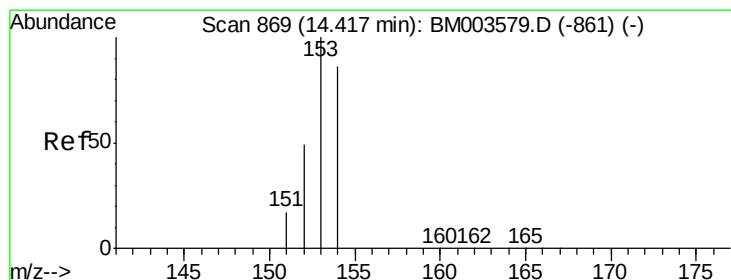
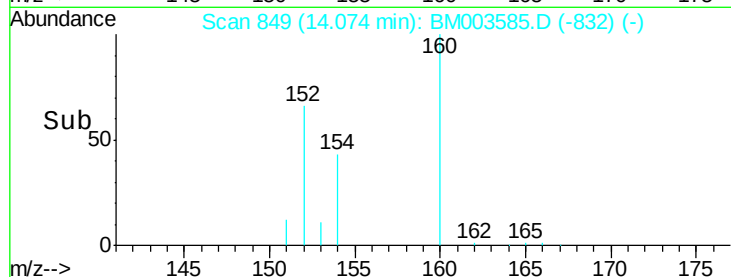
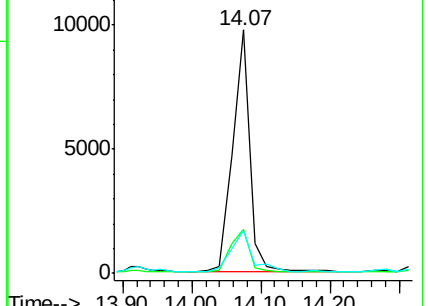
153 17.5 9.7 14.5#



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



#10

Acenaphthene

Concen: 3.25 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

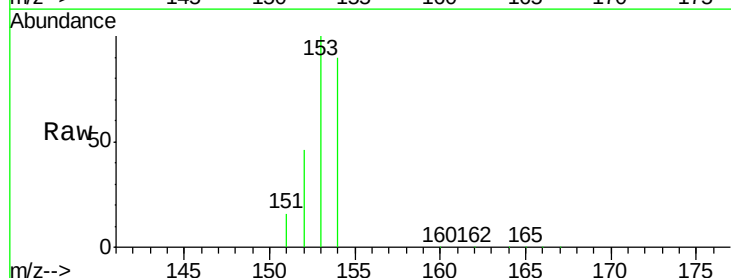
Tgt Ion:153 Resp: 82792

Ion Ratio Lower Upper

153 100

152 45.8 33.9 50.9

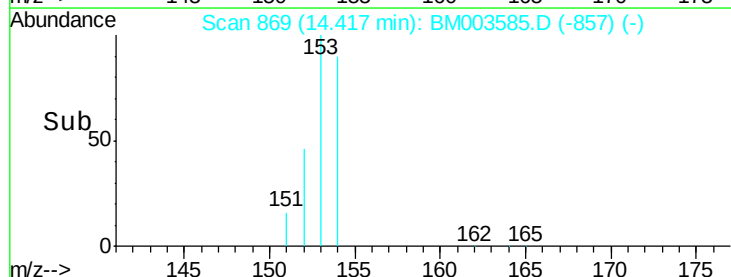
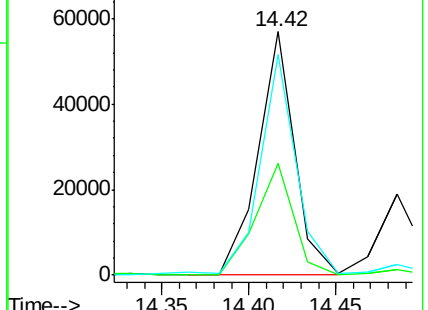
154 90.5 80.6 121.0

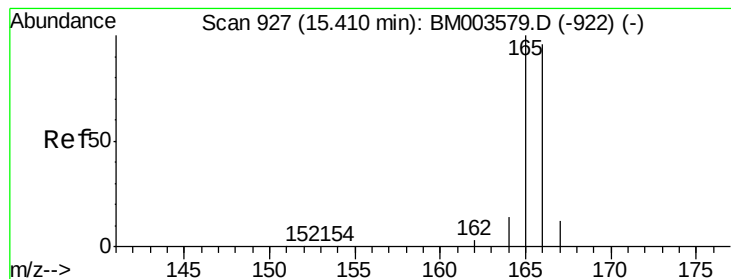


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 3.25 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

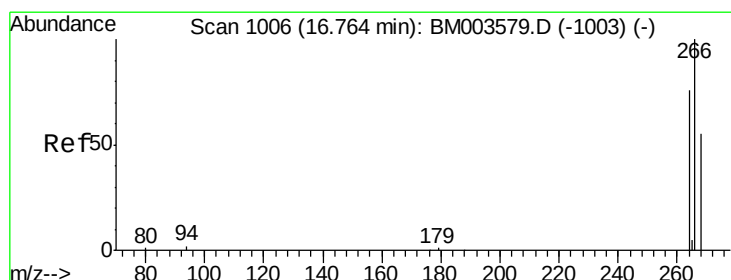
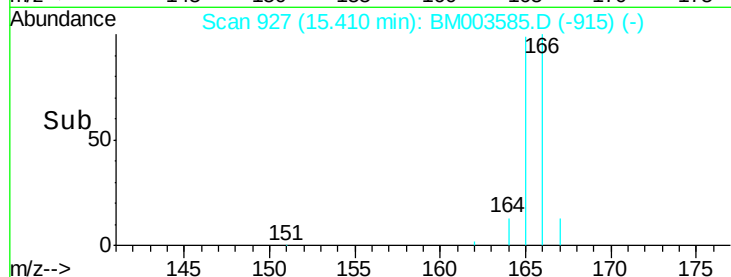
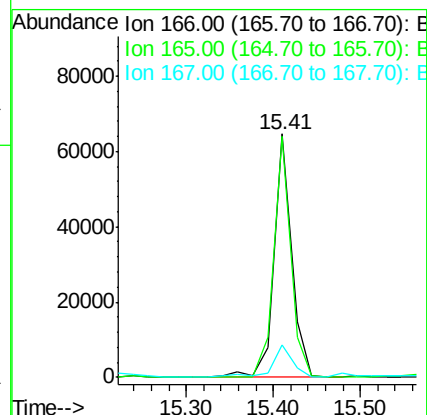
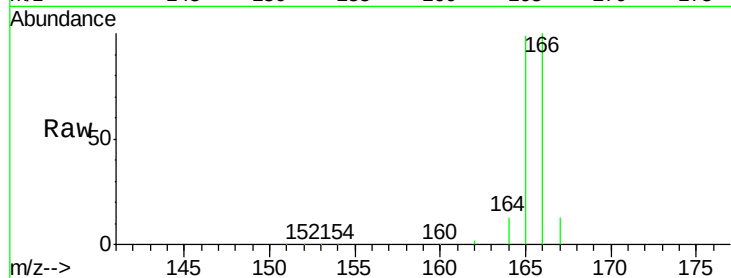
Tgt Ion:166 Resp: 91880

Ion Ratio Lower Upper

166 100

165 98.8 69.6 104.4

167 13.3 11.9 17.9



#13

Pentachlorophenol

Concen: 0.00 ng/ul

RT: 16.90 min Scan# 1014

Delta R.T. 0.14 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

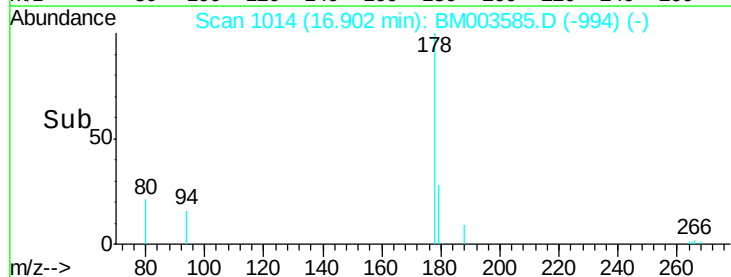
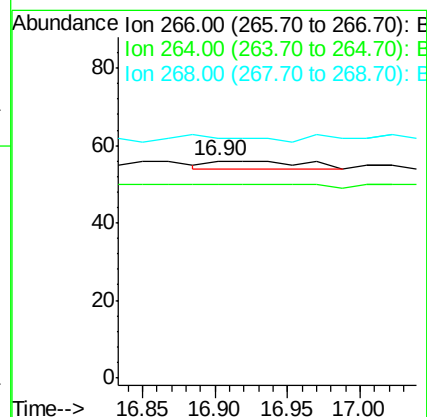
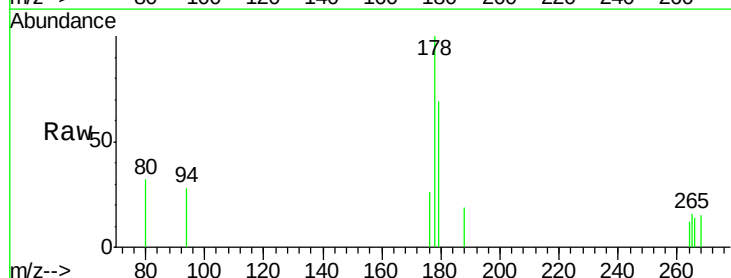
Tgt Ion:266 Resp: 9

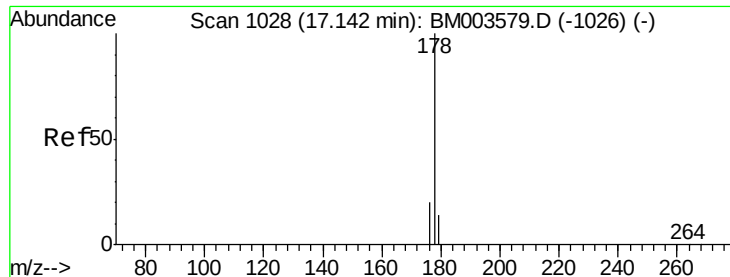
Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

268 66.7 46.8 70.2





#14

Phenanthrene

Concen: 0.15 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

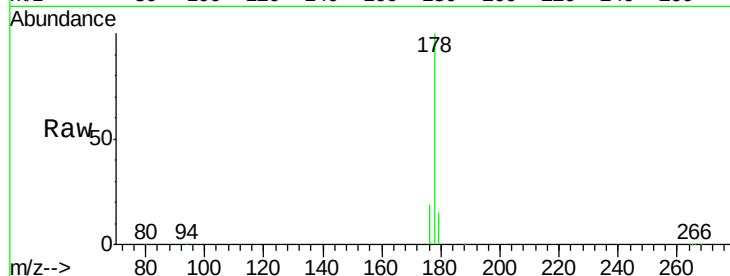
Tgt Ion:178 Resp: 406472

Ion Ratio Lower Upper

178 100

176 19.3 13.0 19.4

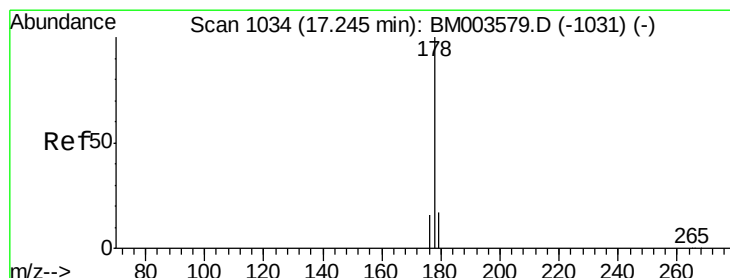
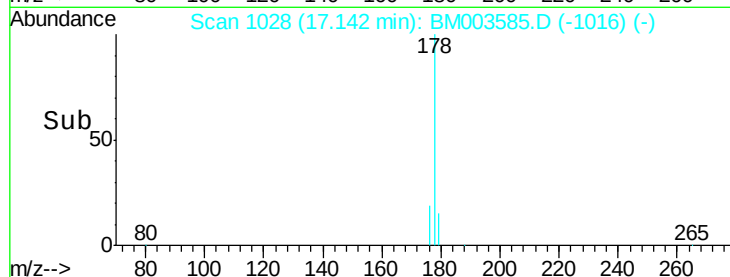
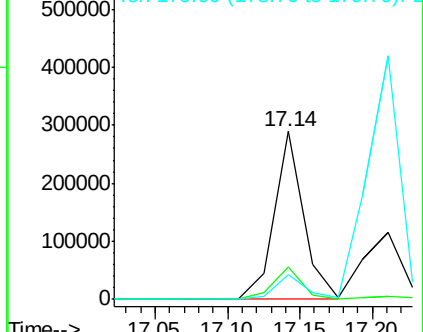
179 14.9 14.2 21.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#15

Anthracene

Concen: 0.10 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

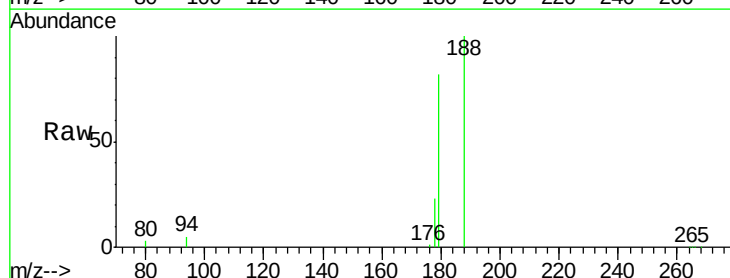
Tgt Ion:178 Resp: 222611

Ion Ratio Lower Upper

178 100

176 3.8 14.0 21.0#

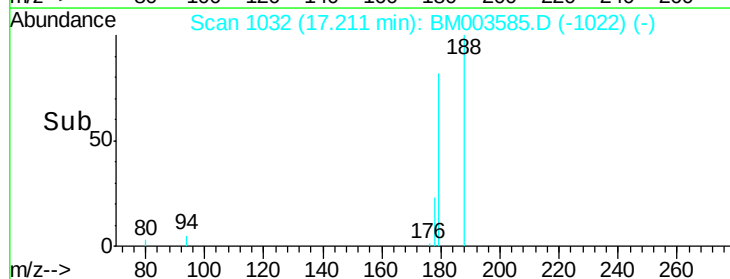
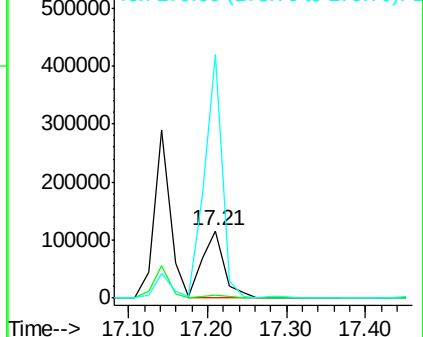
179 362.4 12.9 19.3#

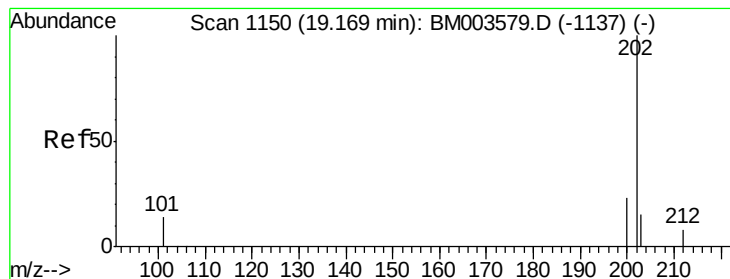


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

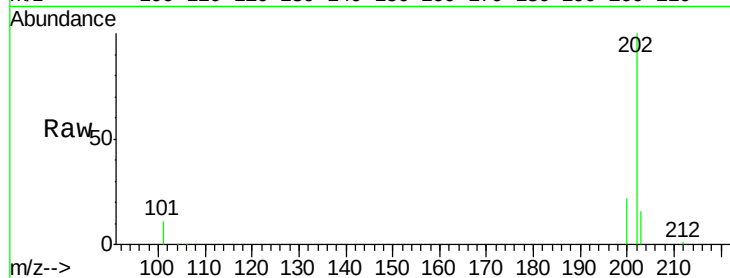
Tgt Ion:202 Resp: 86327

Ion Ratio Lower Upper

202 100

101 10.5 0.0 29.6

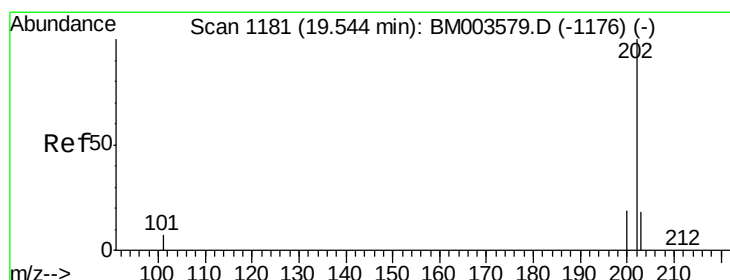
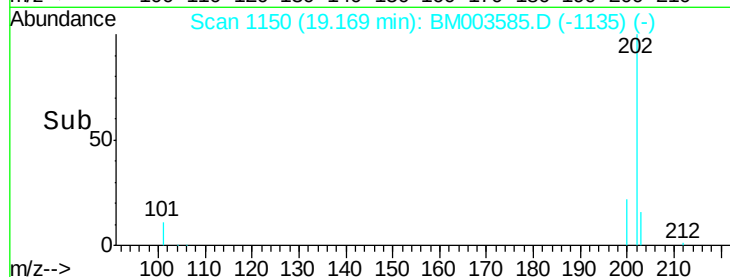
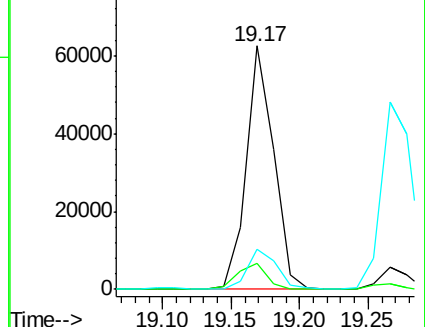
203 16.5 0.0 36.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#19

Pyrene

Concen: 1.56 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.01 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

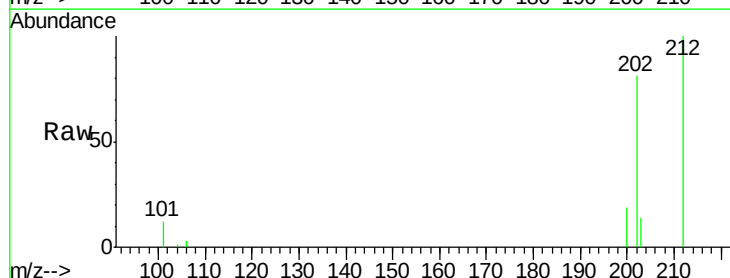
Tgt Ion:202 Resp: 67743

Ion Ratio Lower Upper

202 100

200 23.1 17.8 26.8

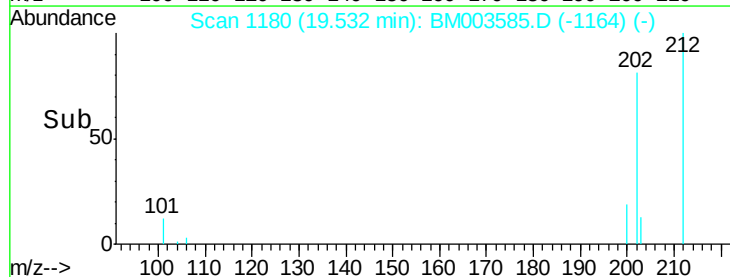
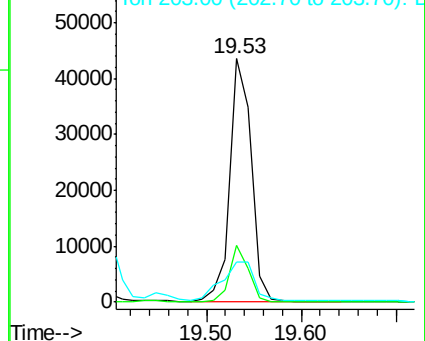
203 16.7 12.8 19.2

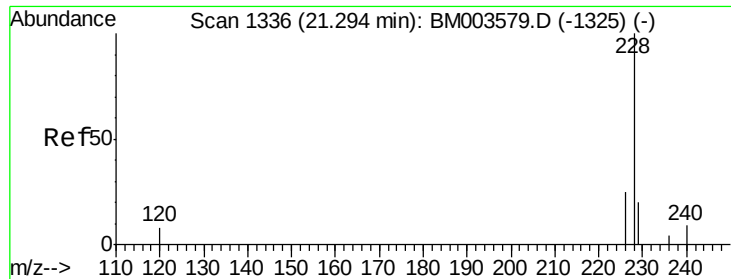


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.12 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

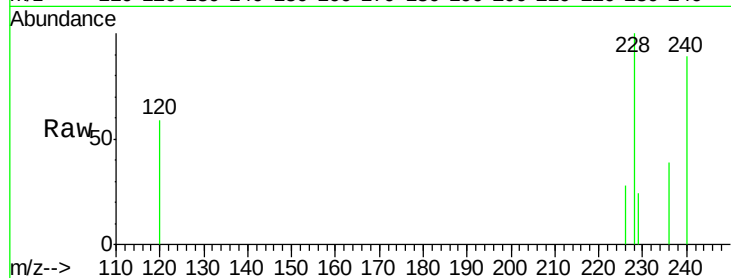
Tgt Ion:228 Resp: 4601

Ion Ratio Lower Upper

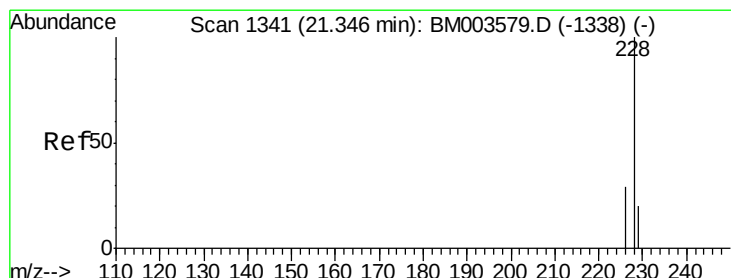
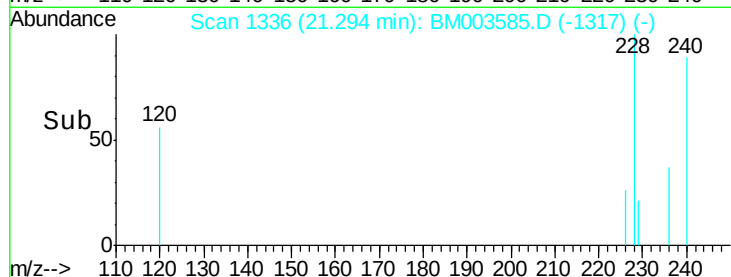
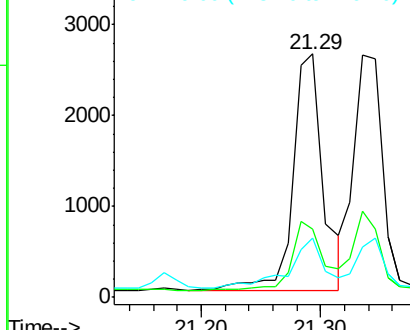
228 100

226 28.1 18.8 28.2

229 24.5 17.1 25.7



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



#21

Chrysene

Concen: 0.10 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. -0.05 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

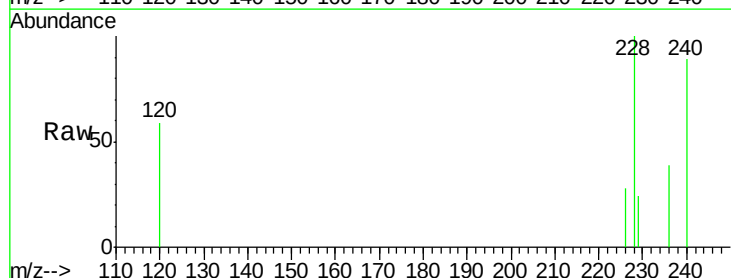
Tgt Ion:228 Resp: 4601

Ion Ratio Lower Upper

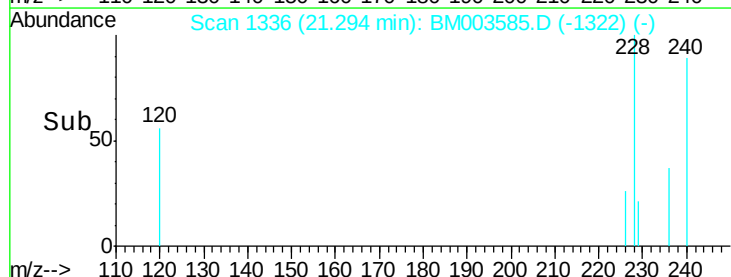
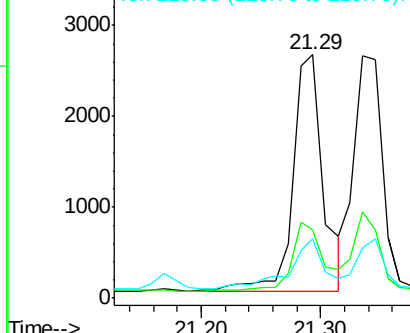
228 100

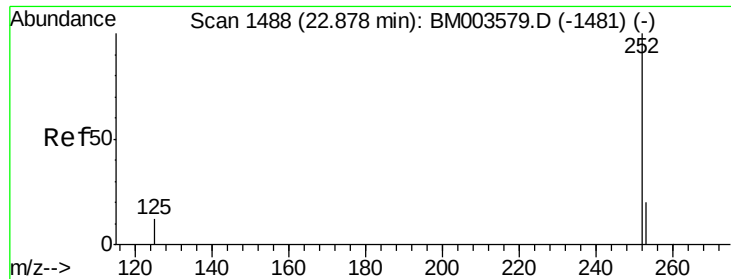
226 28.1 21.2 31.8

229 24.5 17.0 25.6



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: 0.00 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.00 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

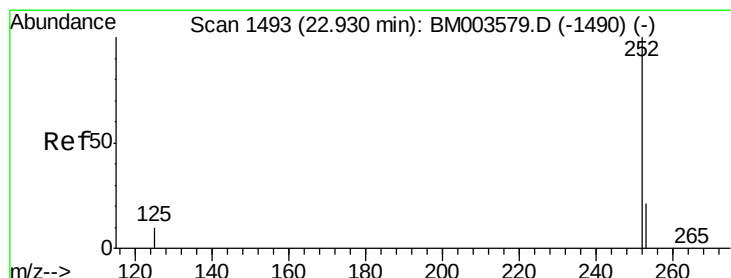
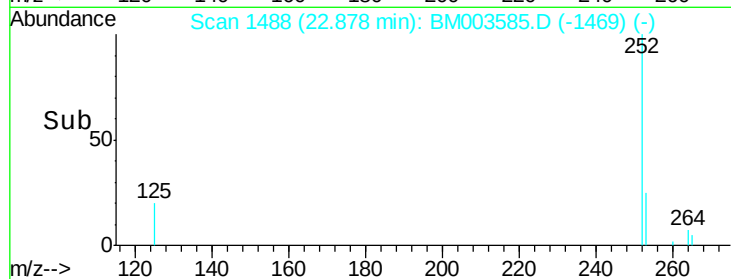
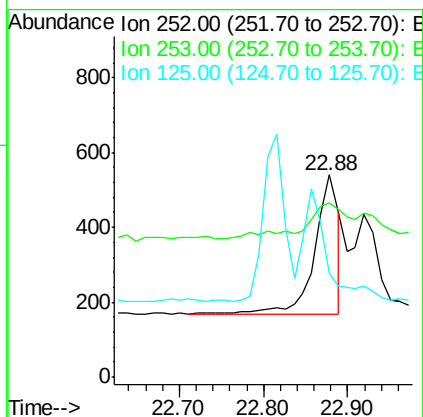
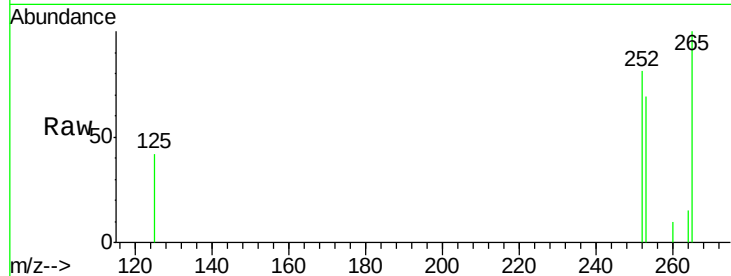
Tgt Ion:252 Resp: 734

Ion Ratio Lower Upper

252 100

253 85.9 0.0 45.4#

125 51.7 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

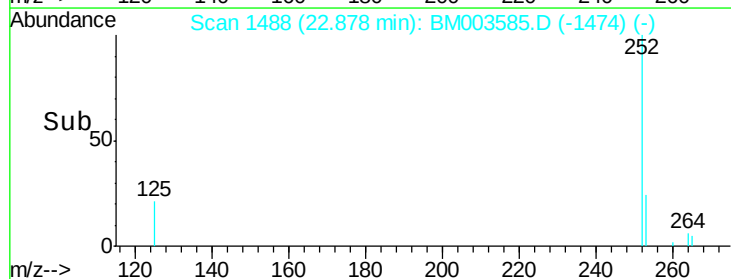
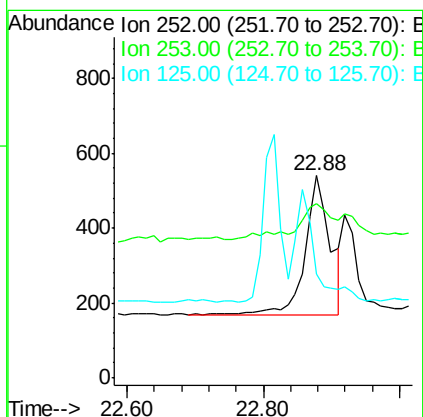
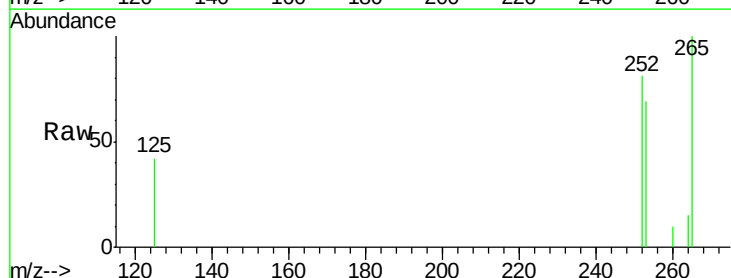
Tgt Ion:252 Resp: 962

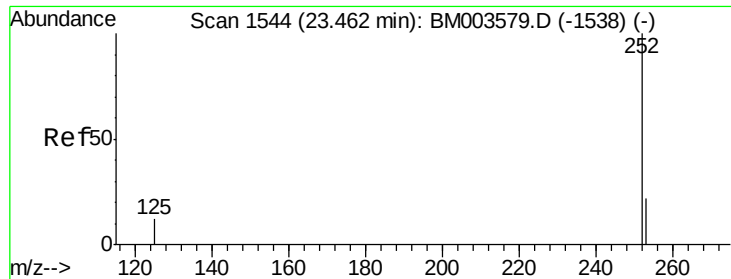
Ion Ratio Lower Upper

252 100

253 85.9 19.8 29.8#

125 51.7 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. -0.05 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31

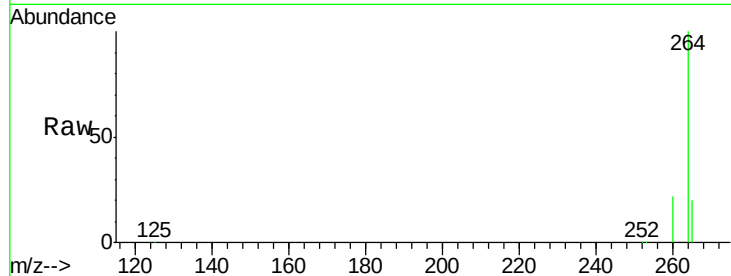
Tgt Ion:252 Resp: 4309

Ion Ratio Lower Upper

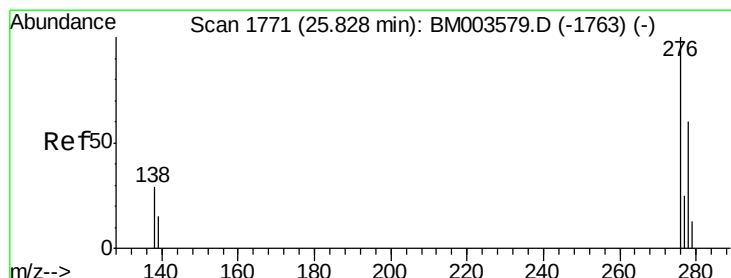
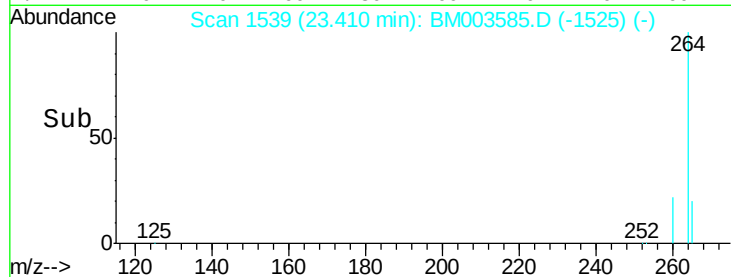
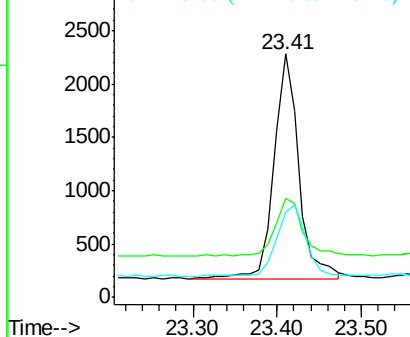
252 100

253 40.8 19.4 29.2#

125 34.7 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.59 min Scan# 1748

Delta R.T. -0.24 min

Lab File: BM003585.D

Acq: 16 Dec 2015 19:42

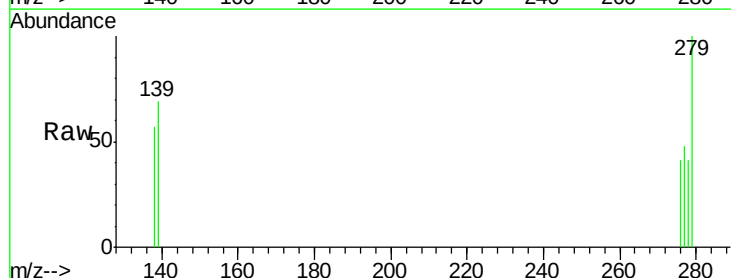
Tgt Ion:276 Resp: 988

Ion Ratio Lower Upper

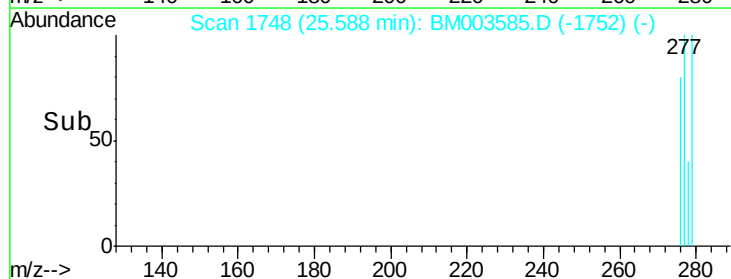
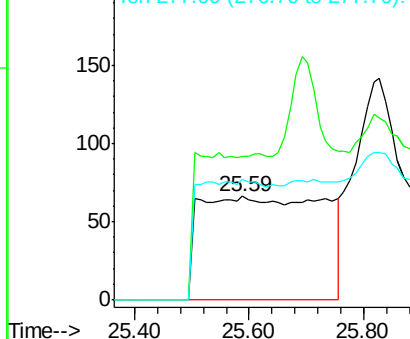
276 100

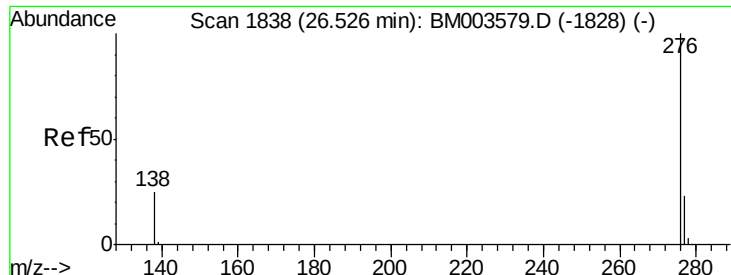
138 0.0 16.3 24.5#

277 0.0 19.8 29.8#



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





#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. -0.19 min

Lab File: BM003585.D

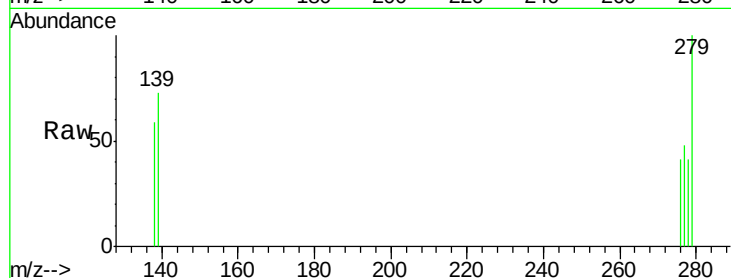
Acq: 16 Dec 2015 19:42

Instrument :

BNA_M

ClientSampleId :

D9N31



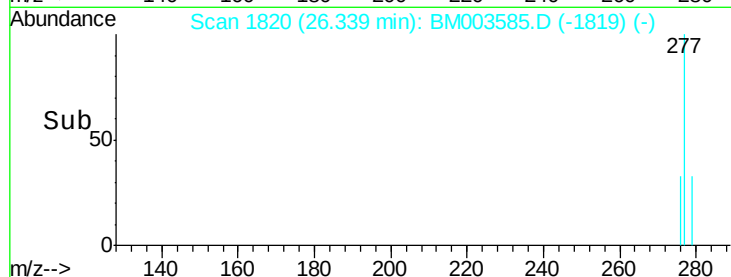
Tgt Ion: 276 Resp: 17

Ion Ratio Lower Upper

276 100

277 116.9 18.9 28.3#

138 143.1 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

