

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121615\
 Data File : BM003581.D
 Acq On : 16 Dec 2015 17:18
 Operator : UM/IZ
 Sample : G4767-05MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N27MSD

Quant Time: Dec 17 03:00:19 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	4388	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	18488	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.37	164	10675	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	1395521	0.40	ng/ul	0.10
18) Chrysene-d12	21.31	240	25710	0.40	ng/ul	0.00
22) Perylene-d12	23.42	264	1575862	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	21219	11.31	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.10	152	6882	0.31	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	16488	0.01	ng/ul	0.00

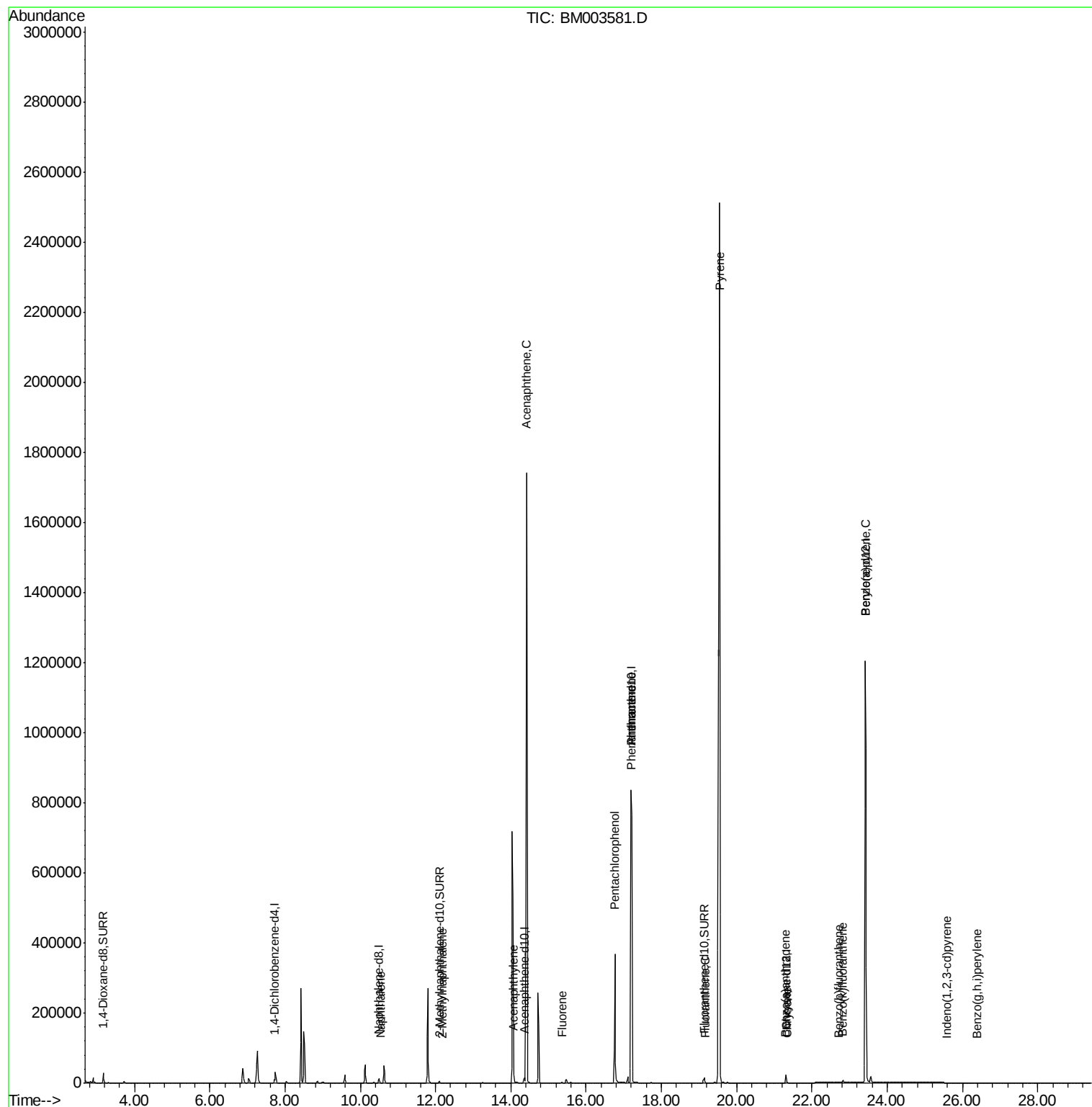
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	373	0.01	ng/ul#	50
7) 2-Methylnaphthalene	12.17	142	170	0.01	ng/ul	88
9) Acenaphthylene	14.07	152	342	0.01	ng/ul#	50
10) Acenaphthene	14.42	153	1017789	30.97	ng/ul	89
11) Fluorene	15.36	166	2668	0.07	ng/ul#	21
13) Pentachlorophenol	16.76	266	240992	1.21	ng/ul	94
14) Phenanthrene	17.19	178	756	0.00	ng/ul#	1
15) Anthracene	17.19	178	816	0.00	ng/ul#	1
17) Fluoranthene	19.17	202	889	0.00	ng/ul	73
19) Pyrene	19.54	202	2501451	36.04	ng/ul	94
20) Benzo(a)anthracene	21.29	228	443	0.01	ng/ul#	57
21) Chrysene	21.35	228	999	0.01	ng/ul#	82
23) Benzo(b)fluoranthene	22.72	252	14	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.82	252	39	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.42	252	6312	0.00	ng/ul#	70
26) Indeno(1,2,3-cd)pyrene	25.59	276	984	0.00	ng/ul#	47
28) Benzo(g,h,i)perylene	26.38	276	4	0.00	ng/ul#	1

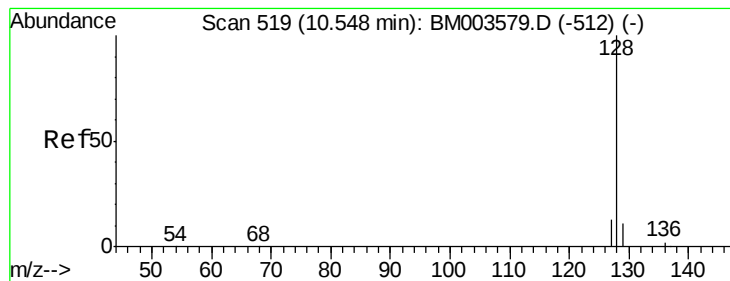
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.01 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD

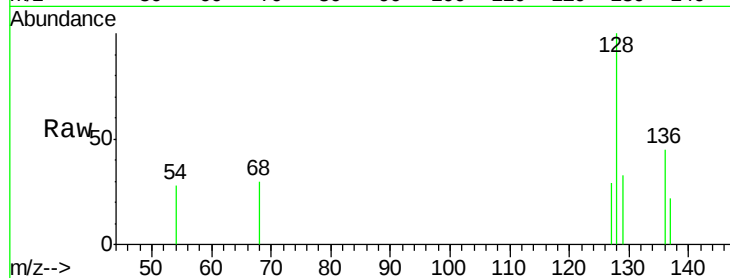
Tgt Ion:128 Resp: 373

Ion Ratio Lower Upper

128 100

129 32.9 9.0 13.6#

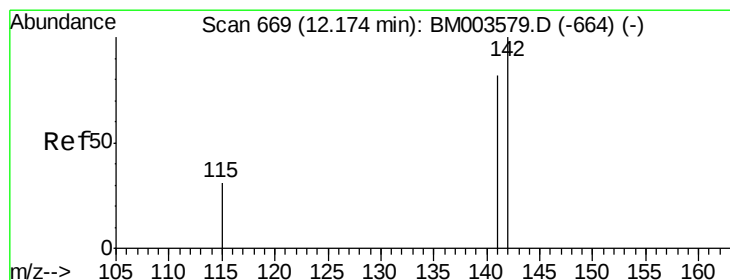
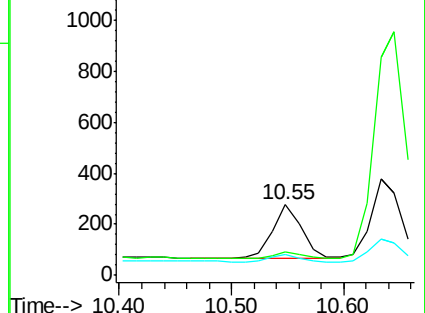
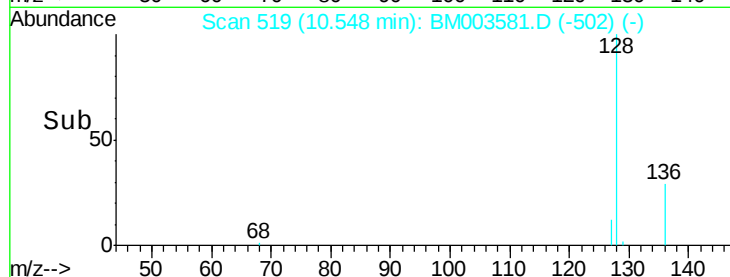
127 29.2 9.6 14.4#



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: 0.01 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM003581.D

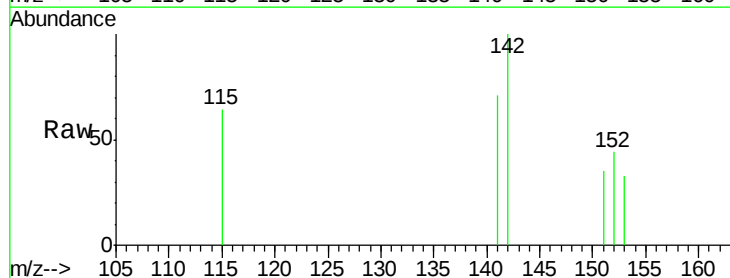
Acq: 16 Dec 2015 17:18

Tgt Ion:142 Resp: 170

Ion Ratio Lower Upper

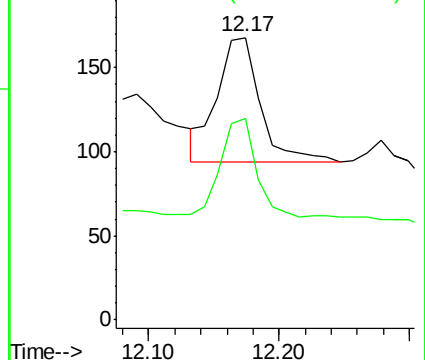
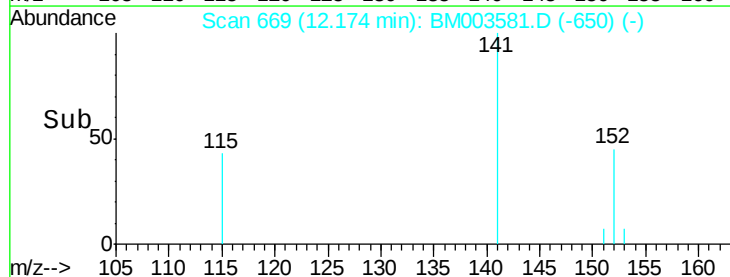
142 100

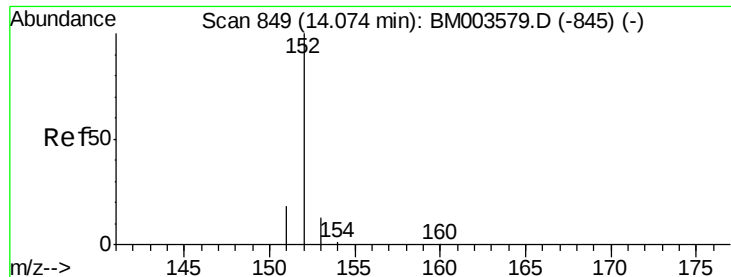
141 76.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD

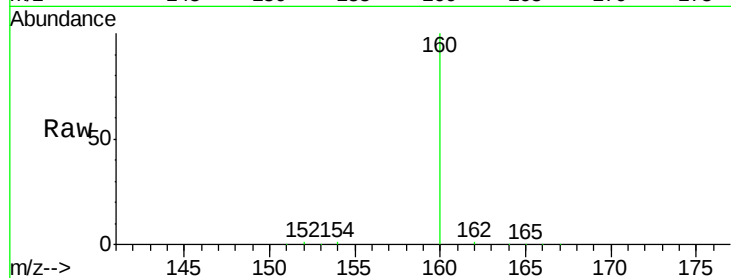
Tgt Ion:152 Resp: 342

Ion Ratio Lower Upper

152 100

151 41.0 17.6 26.4#

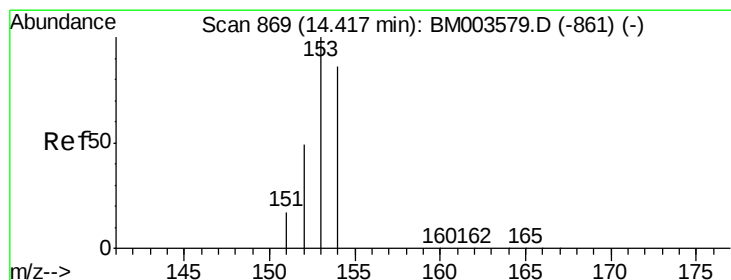
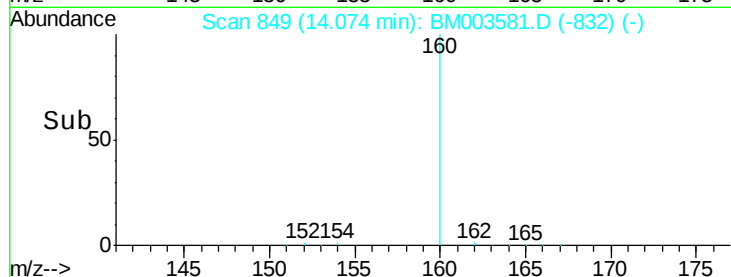
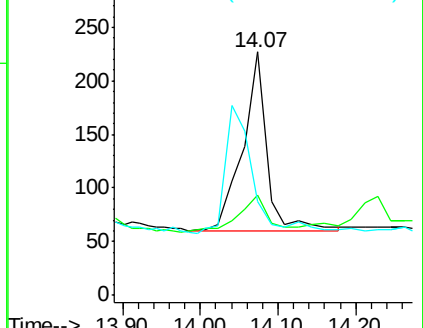
153 38.8 9.7 14.5#



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: 30.97 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

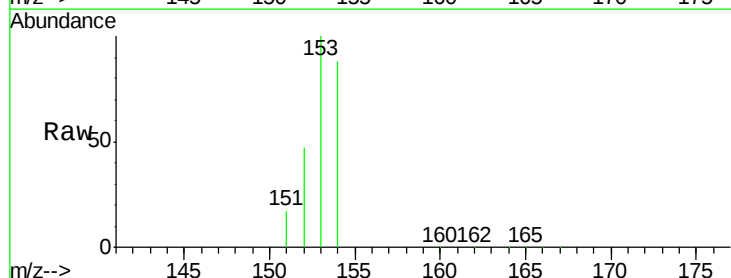
Tgt Ion:153 Resp: 1017789

Ion Ratio Lower Upper

153 100

152 47.1 33.9 50.9

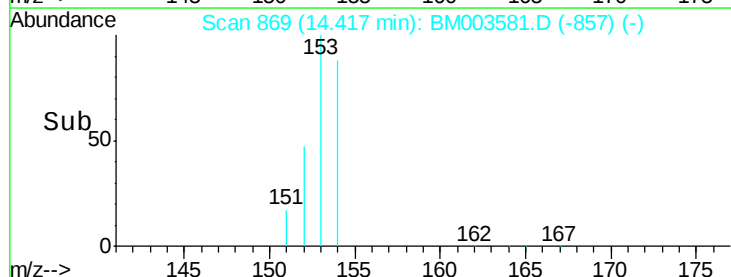
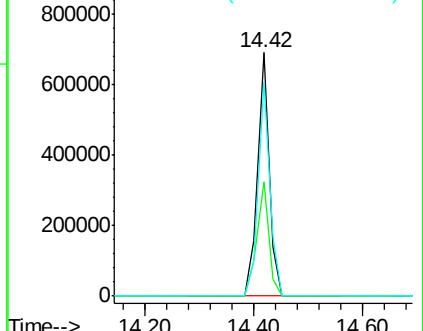
154 88.0 80.6 121.0

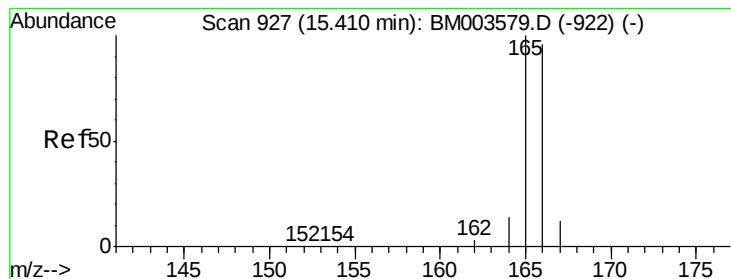


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.36 min Scan# 924

Delta R.T. -0.05 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD

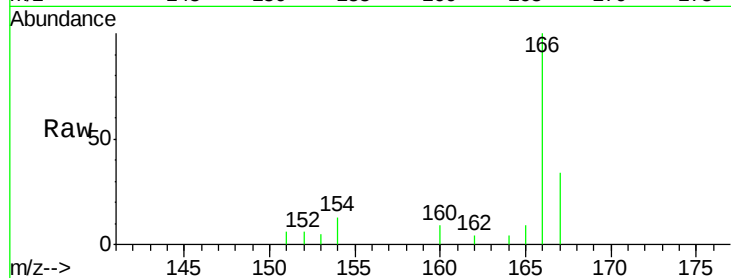
Tgt Ion:166 Resp: 2668

Ion Ratio Lower Upper

166 100

165 8.7 69.6 104.4#

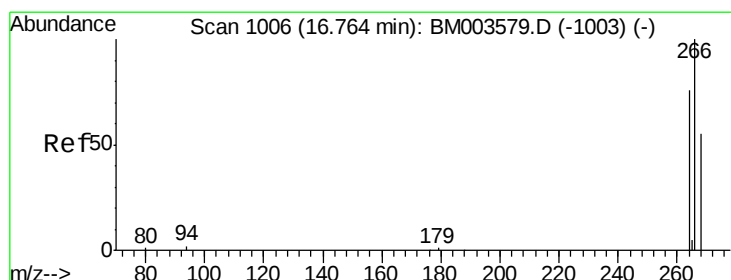
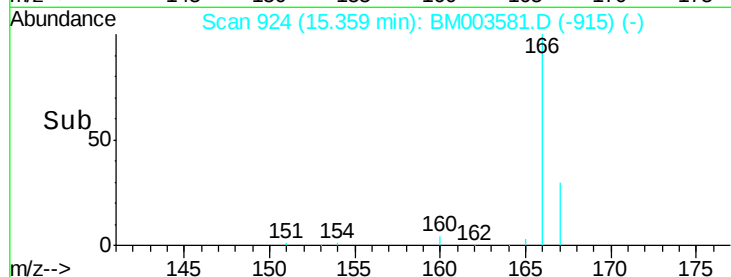
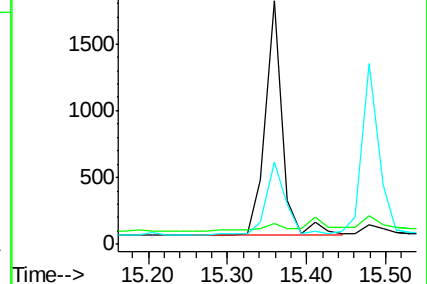
167 33.7 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 1.21 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.00 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

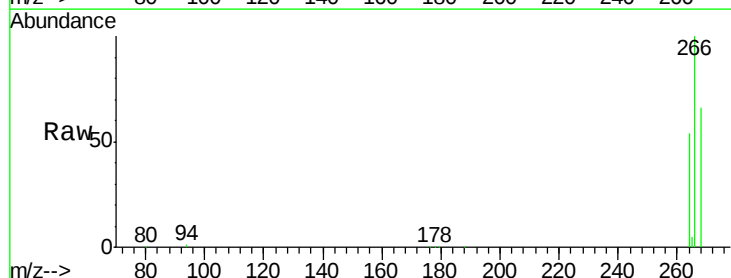
Tgt Ion:266 Resp: 240992

Ion Ratio Lower Upper

266 100

264 61.8 51.8 77.8

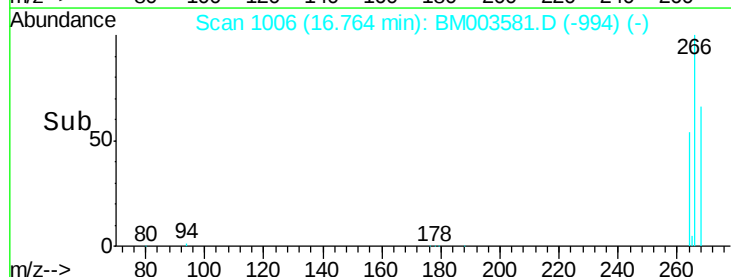
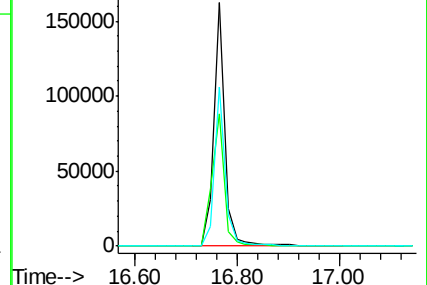
268 64.5 46.8 70.2

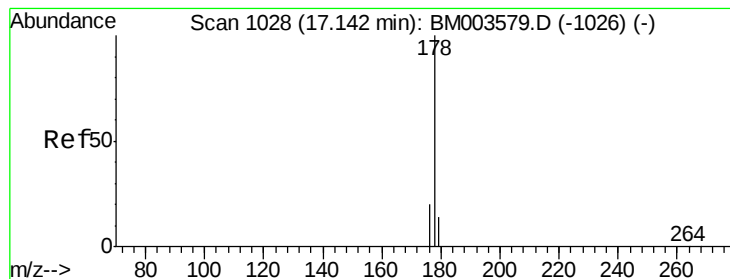


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. 0.05 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD

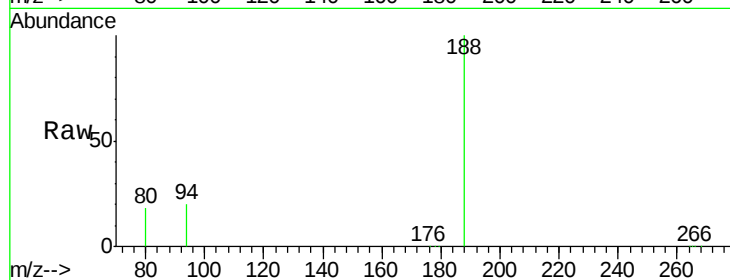
Tgt Ion:178 Resp: 756

Ion Ratio Lower Upper

178 100

176 19.4 13.0 19.4

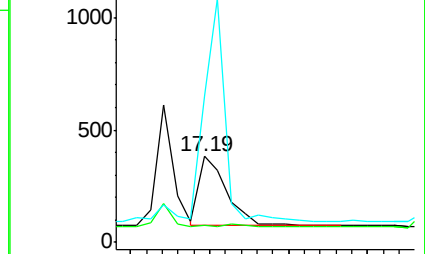
179 170.7 14.2 21.2#



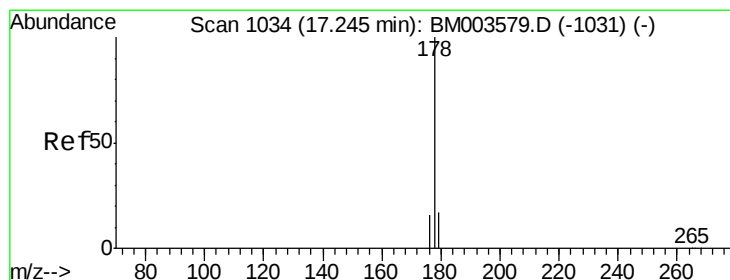
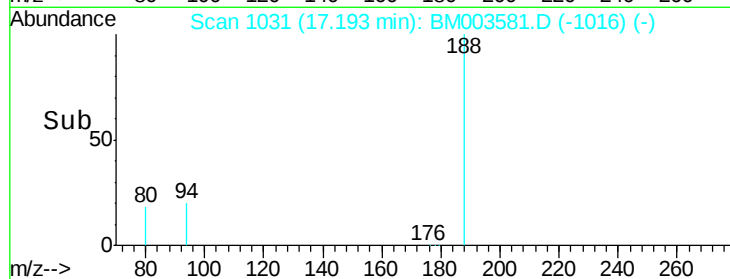
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.19 min Scan# 1031

Delta R.T. -0.05 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

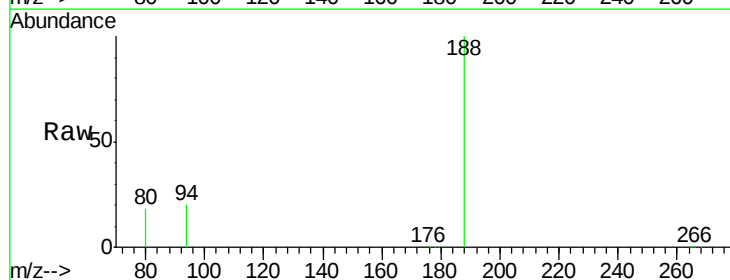
Tgt Ion:178 Resp: 816

Ion Ratio Lower Upper

178 100

176 19.4 14.0 21.0

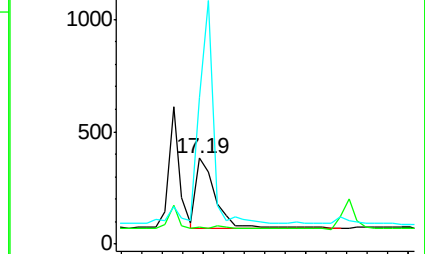
179 170.7 12.9 19.3#



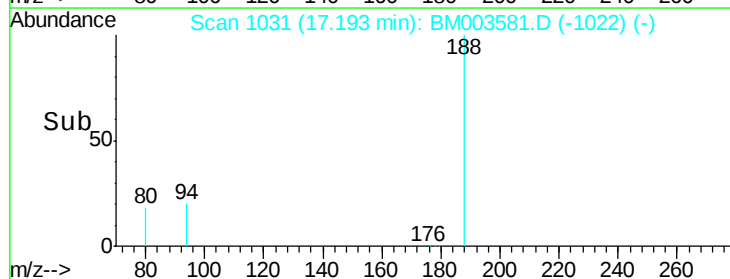
Abundance Ion 178.00 (177.70 to 178.70): E

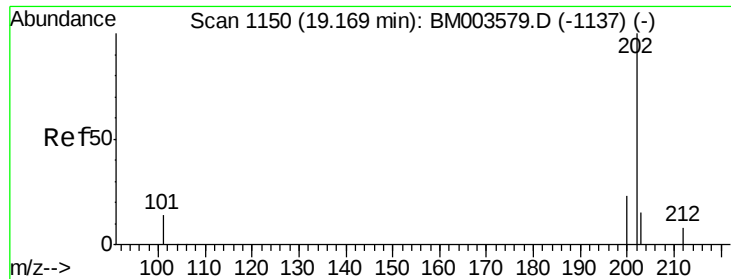
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

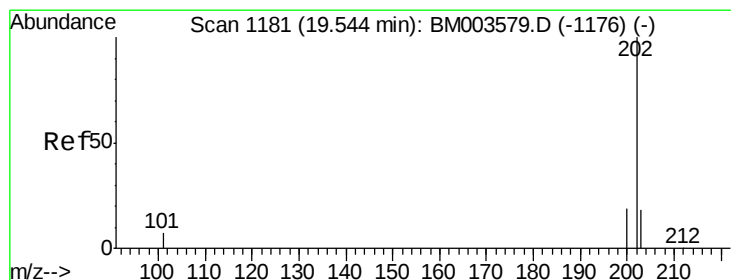
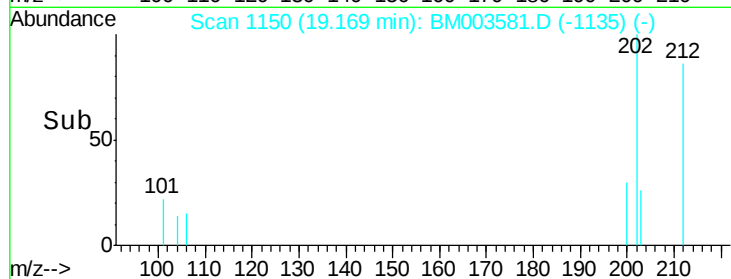
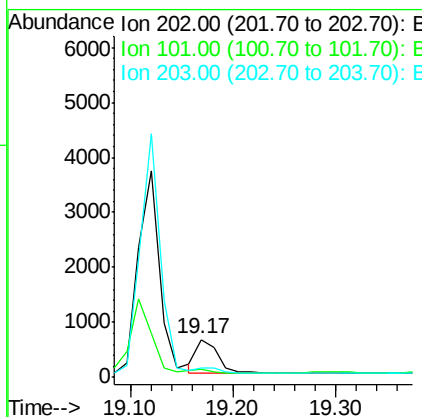
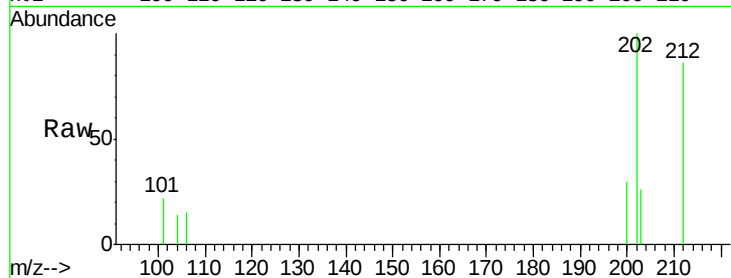




#17
Fluoranthene
 Concen: 0.00 ng/ul
 RT: 19.17 min Scan# 1150
 Delta R.T. 0.00 min
 Lab File: BM003581.D
 Acq: 16 Dec 2015 17:18

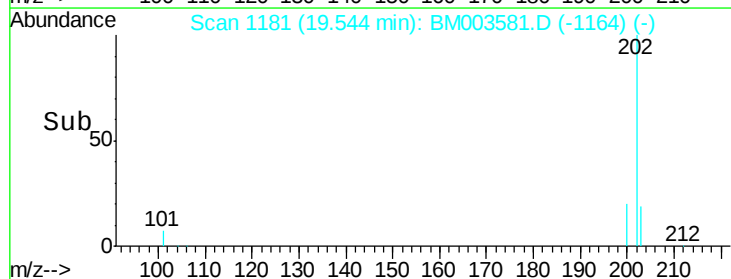
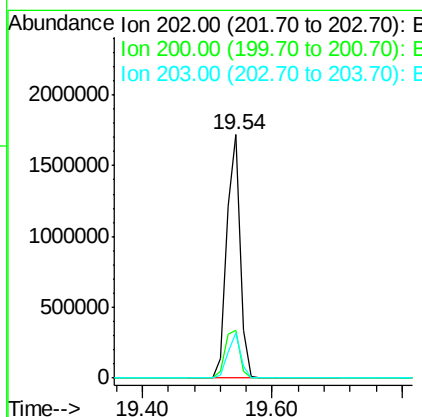
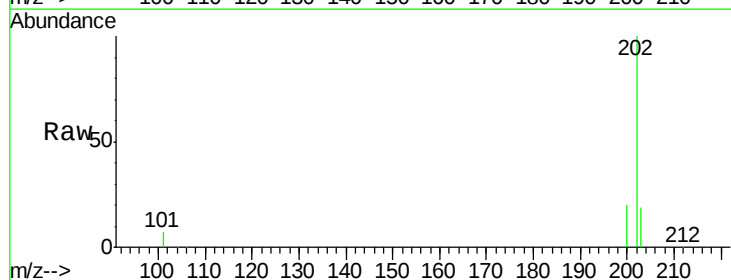
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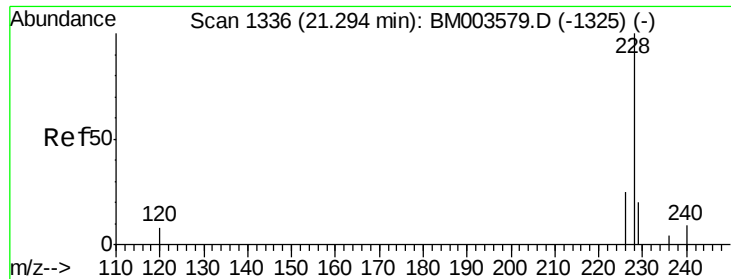
Tgt Ion:202 Resp: 889
 Ion Ratio Lower Upper
 202 100
 101 21.9 0.0 29.6
 203 26.1 0.0 36.3



#19
Pyrene
 Concen: 36.04 ng/ul
 RT: 19.54 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: BM003581.D
 Acq: 16 Dec 2015 17:18

Tgt Ion:202 Resp: 2501451
 Ion Ratio Lower Upper
 202 100
 200 19.9 17.8 26.8
 203 18.7 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.29 min Scan# 1336

Delta R.T. 0.00 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD

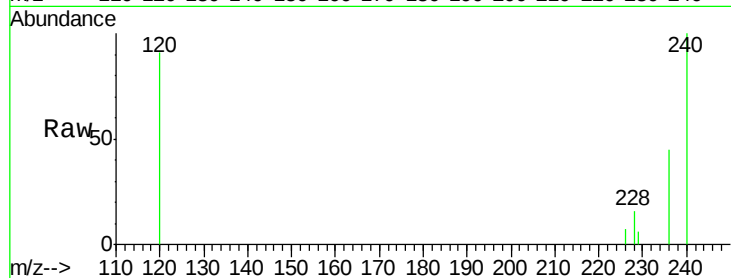
Tgt Ion:228 Resp: 443

Ion Ratio Lower Upper

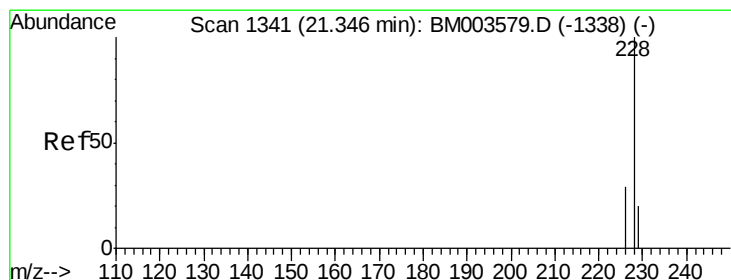
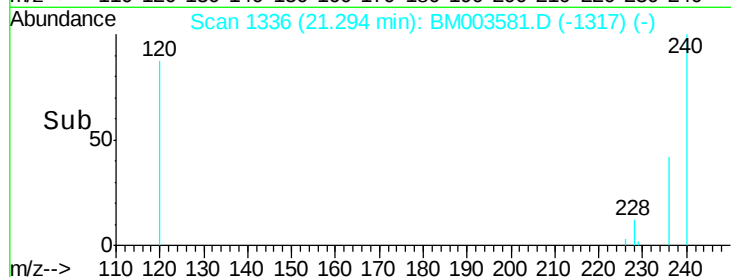
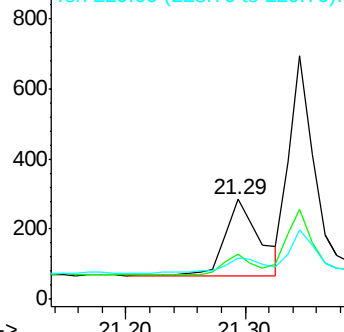
228 100

226 44.7 18.8 28.2#

229 41.2 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: 0.01 ng/ul

RT: 21.35 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

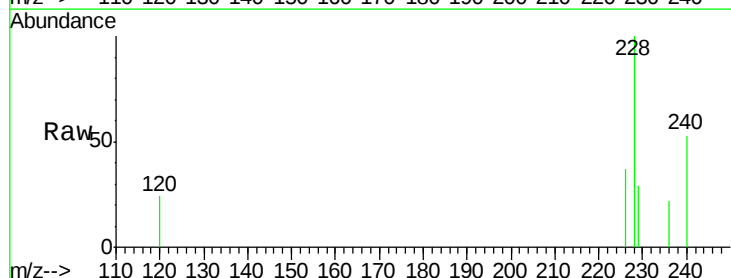
Tgt Ion:228 Resp: 999

Ion Ratio Lower Upper

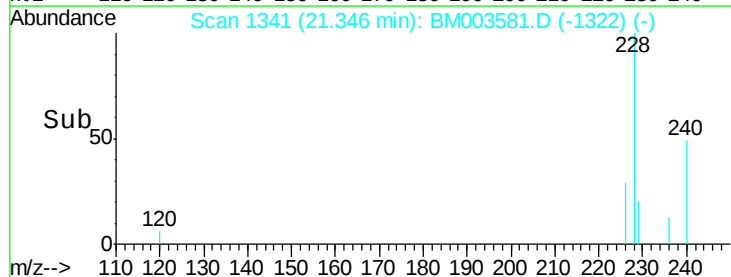
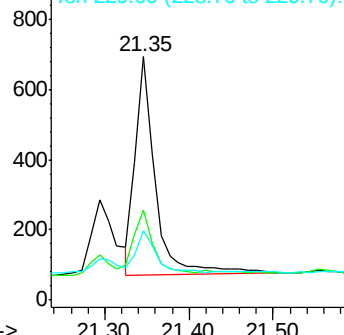
228 100

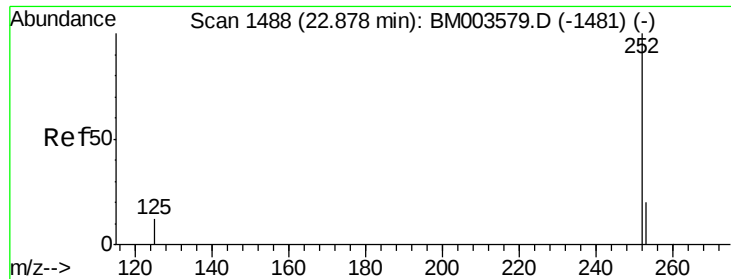
226 37.2 21.2 31.8#

229 28.5 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/u1

RT: 22.72 min Scan# 1473

Delta R.T. -0.16 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD

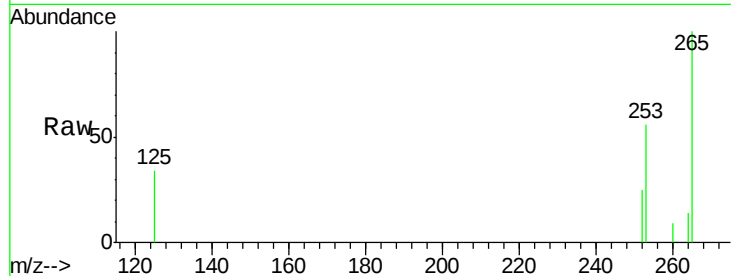
Tgt Ion:252 Resp: 14

Ion Ratio Lower Upper

252 100

253 220.3 0.0 45.4#

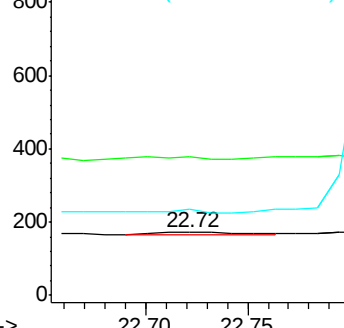
125 136.0 0.0 28.8#



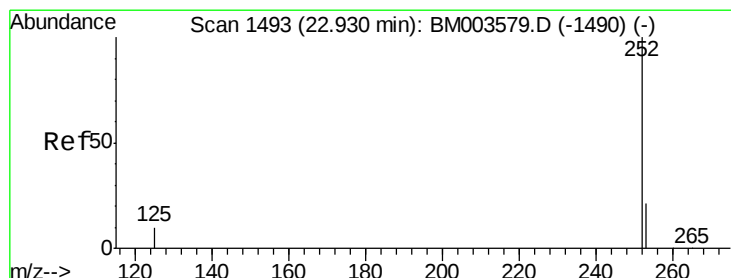
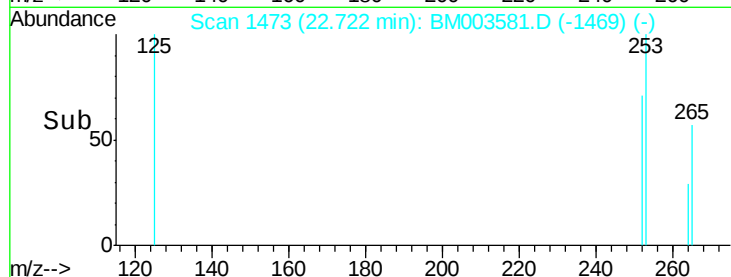
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.82 min Scan# 1482

Delta R.T. -0.11 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

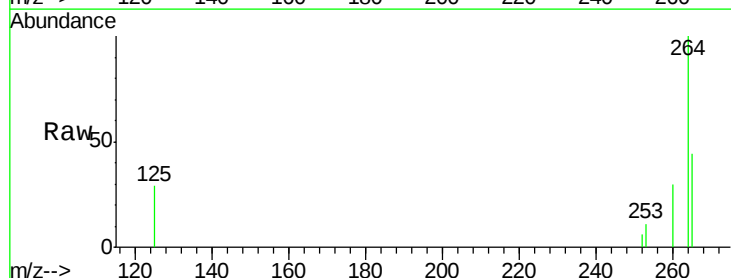
Tgt Ion:252 Resp: 39

Ion Ratio Lower Upper

252 100

253 203.7 19.8 29.8#

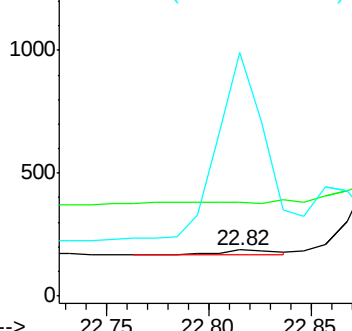
125 527.1 10.4 15.6#



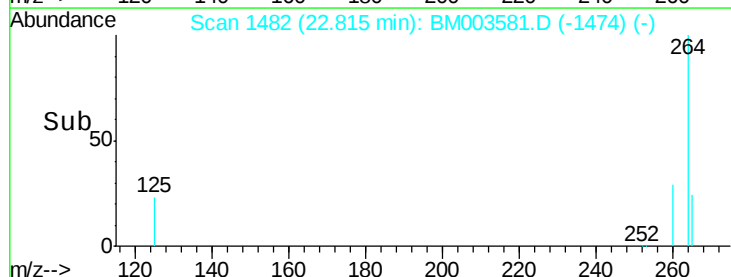
Abundance Ion 252.00 (251.70 to 252.70): E

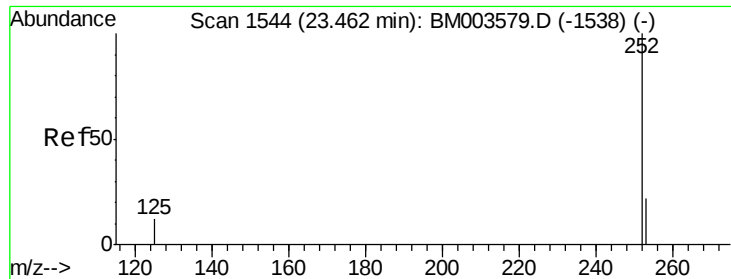
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#25

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.04 min

Lab File: BM003581.D

Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD

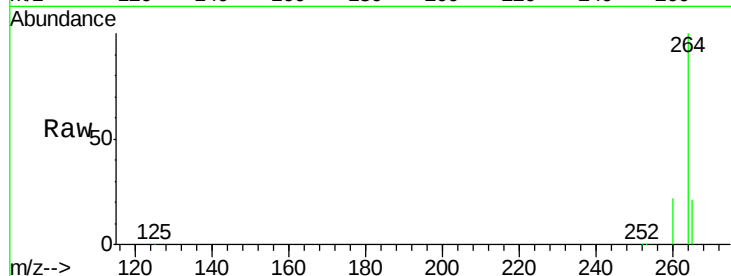
Tgt Ion: 252 Resp: 6312

Ion Ratio Lower Upper

252 100

253 37.0 19.4 29.2#

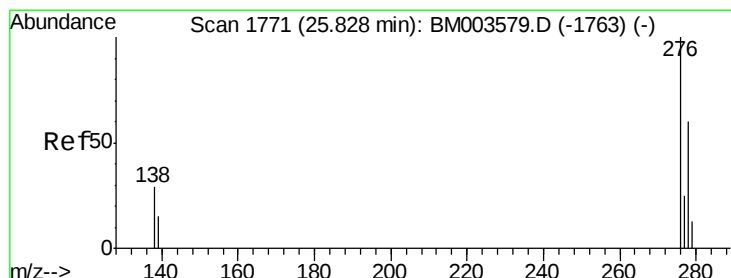
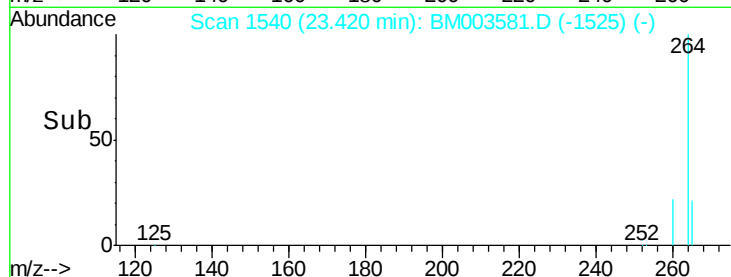
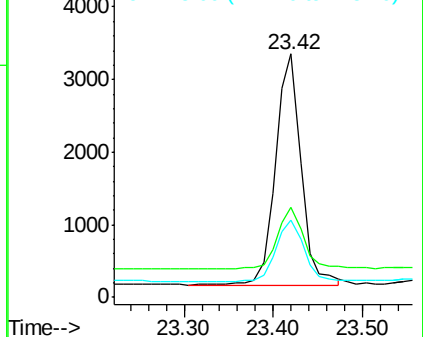
125 31.9 12.7 19.1#



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: BM003581.D

Acq: 16 Dec 2015 17:18

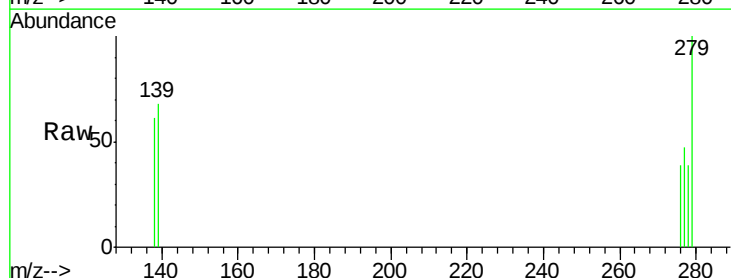
Tgt Ion: 276 Resp: 984

Ion Ratio Lower Upper

276 100

138 47.2 16.3 24.5#

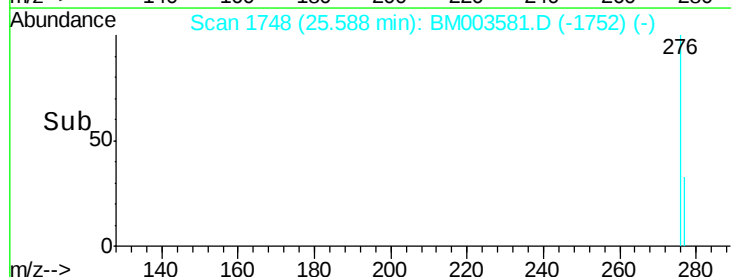
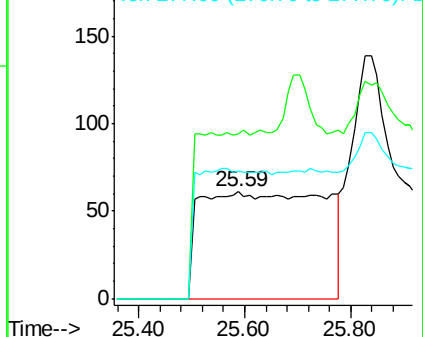
277 0.0 19.8 29.8#

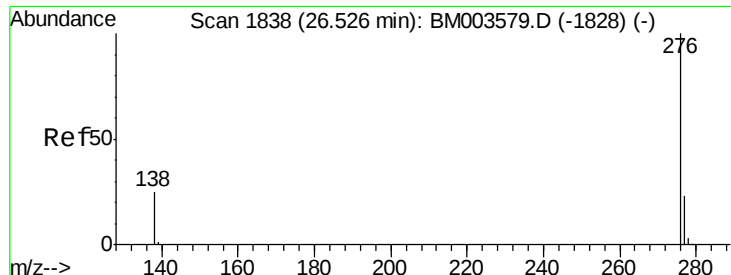


Abundance Ion 276.00 (275.70 to 276.70): E

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: 26.38 min Scan# 1824

Delta R.T. -0.15 min

Lab File: BM003581.D

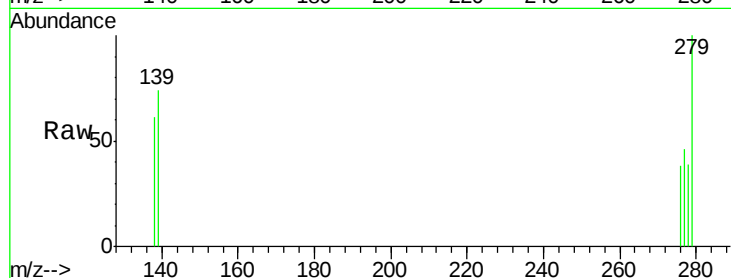
Acq: 16 Dec 2015 17:18

Instrument :

BNA_M

ClientSampleId :

D9N27MSD



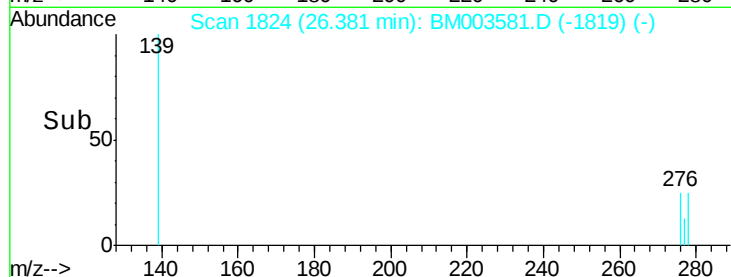
Tgt Ion: 276 Resp: 4

Ion Ratio Lower Upper

276 100

277 121.7 18.9 28.3#

138 158.3 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

