

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122216\
 Data File : BM008573.D
 Acq On : 23 Dec 2016 01:40
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.459

Quant Time: Dec 23 04:18:27 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 23 04:12:47 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	301	0.40	ng/ul	0.03
2) Naphthalene-d8	10.49	136	1203	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.31	164	692	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.07	188	1293	0.40	ng/ul	0.00
16) Chrysene-d12	21.27	240	1318	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	1318	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.09	152	692	0.38	ng/ul	0.02
14) Fluoranthene-d10	19.11	212	1396	0.39	ng/ul	0.00

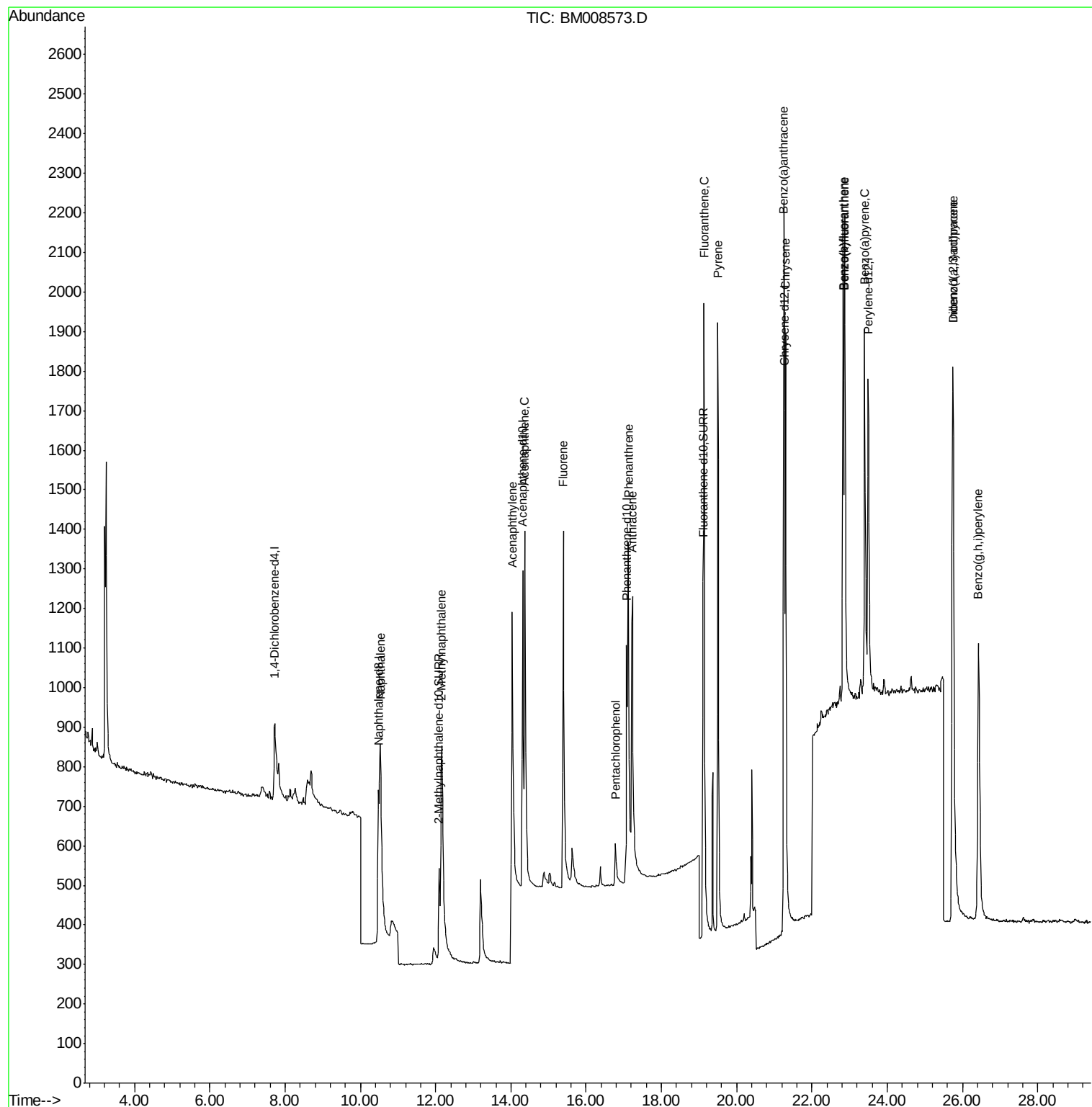
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.54	128	1329	0.39	ng/ul#	78
5) 2-Methylnaphthalene	12.16	142	834	0.37	ng/ul	93
7) Acenaphthylene	14.04	152	1295	0.41	ng/ul#	88
8) Acenaphthene	14.37	153	933	0.40	ng/ul	90
9) Fluorene	15.39	166	1020	0.38	ng/ul#	91
11) Pentachlorophenol	16.78	266	153	0.38	ng/ul	91
12) Phenanthrene	17.12	178	1507	0.38	ng/ul#	92
13) Anthracene	17.23	178	1480	0.39	ng/ul#	89
15) Fluoranthene	19.13	202	1953	0.40	ng/ul	96
17) Pyrene	19.50	202	2100	0.41	ng/ul	95
18) Benzo(a)anthracene	21.25	228	1813	0.42	ng/ul	95
19) Chrysene	21.30	228	1786	0.38	ng/ul	93
21) Benzo(b)fluoranthene	22.83	252	1831	0.35	ng/ul	95
22) Benzo(k)fluoranthene	22.87	252	2023	0.40	ng/ul	93
23) Benzo(a)pyrene	23.40	252	1888	0.39	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.74	276	2266	0.40	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.74	278	1791	0.39	ng/ul#	89
26) Benzo(g,h,i)perylene	26.42	276	1958	0.40	ng/ul	94

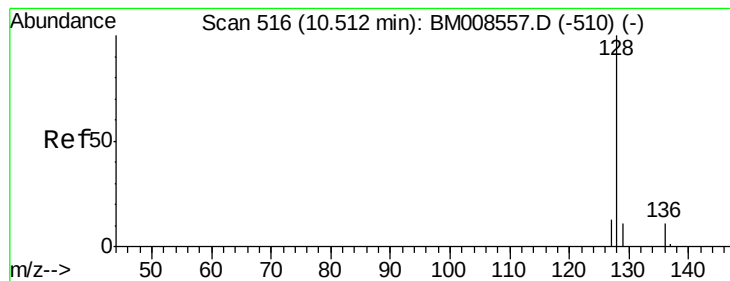
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. 0.02 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

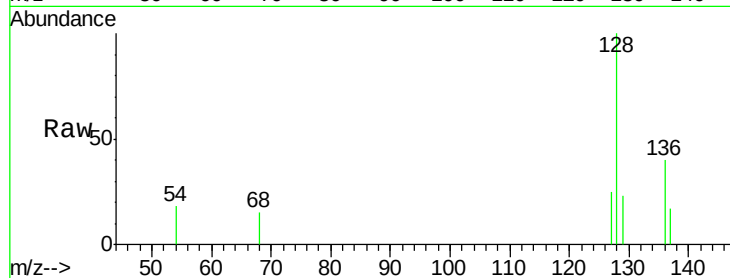
Tgt Ion:128 Resp: 1329

Ion Ratio Lower Upper

128 100

129 22.9 11.3 16.9#

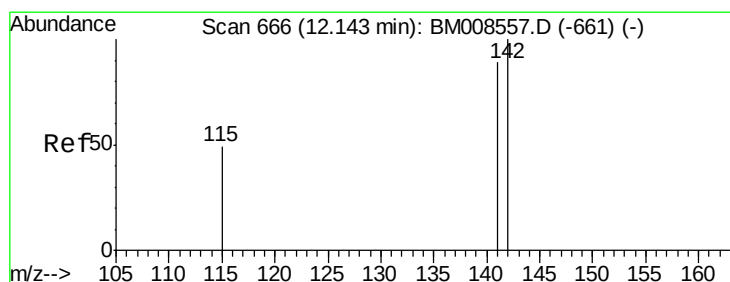
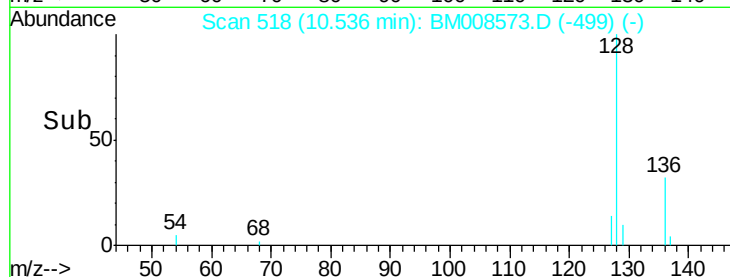
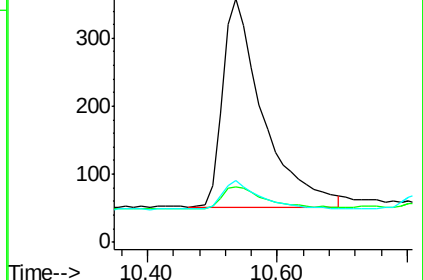
127 25.1 12.8 19.2#



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: 0.37 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. 0.02 min

Lab File: BM008573.D

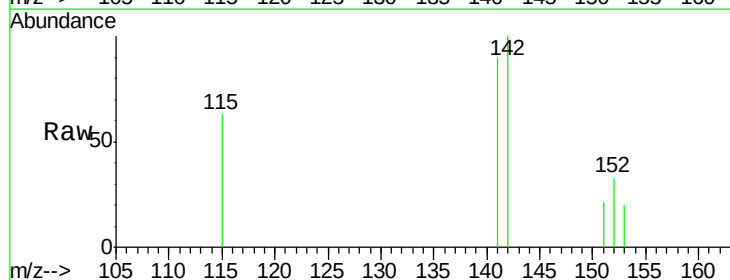
Acq: 23 Dec 2016 01:40

Tgt Ion:142 Resp: 834

Ion Ratio Lower Upper

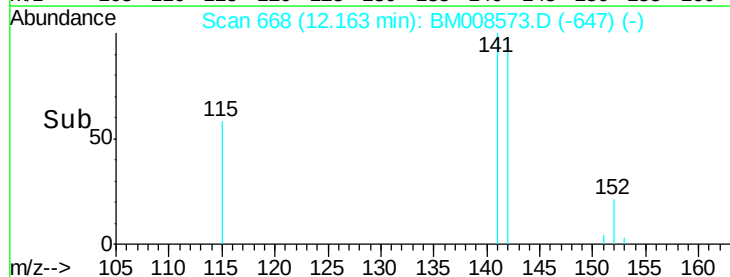
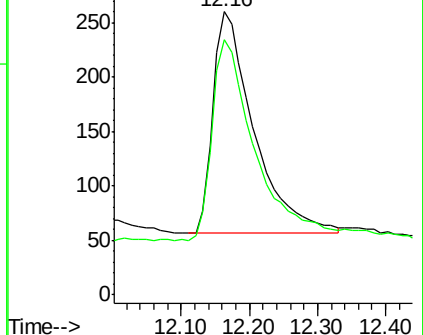
142 100

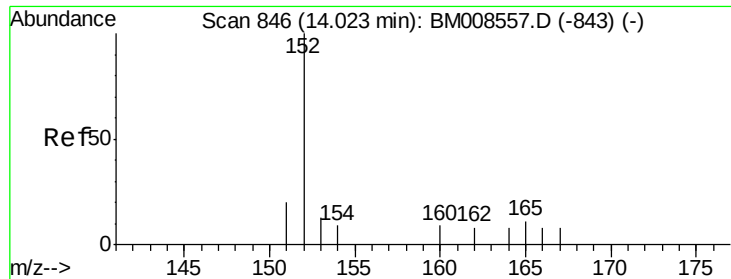
141 96.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.02 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

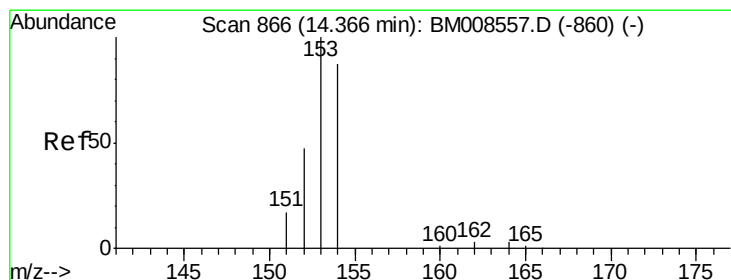
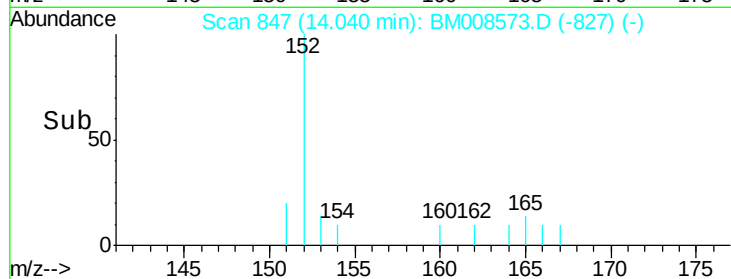
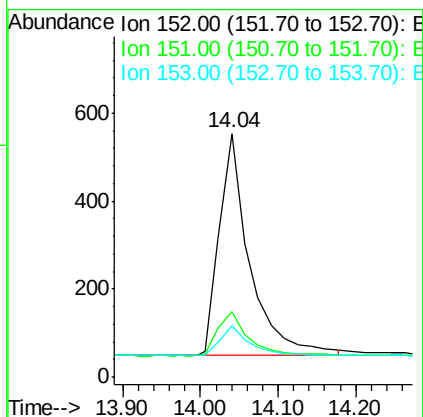
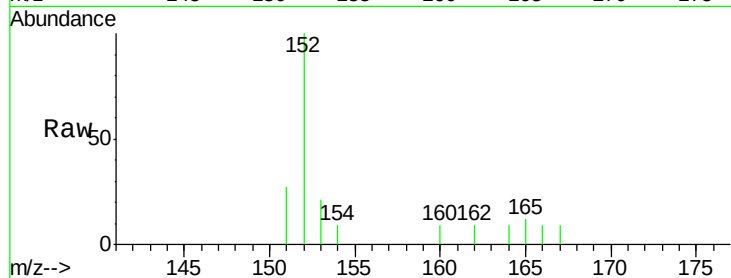
Instrument :

BNA_M

ClientSampleId :

SSTD0.459

Tgt Ion:	152	Resp:	1295
Ion	Ratio	Lower	Upper
152	100		
151	26.8	17.1	25.7#
153	21.2	12.8	19.2#



#8

Acenaphthene

Concen: 0.40 ng/ul

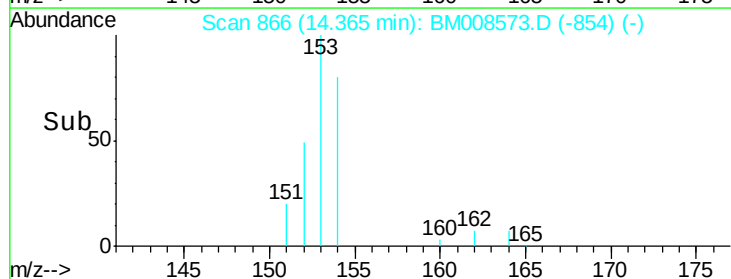
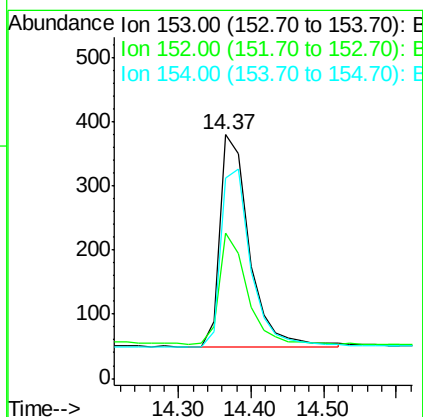
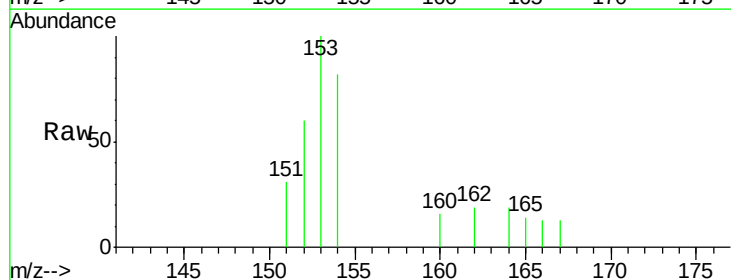
RT: 14.37 min Scan# 866

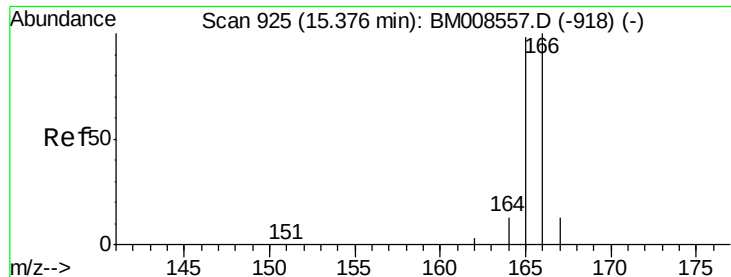
Delta R.T. -0.00 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

Tgt Ion:	153	Resp:	933
Ion	Ratio	Lower	Upper
153	100		
152	59.7	40.3	60.5
154	82.1	71.4	107.2

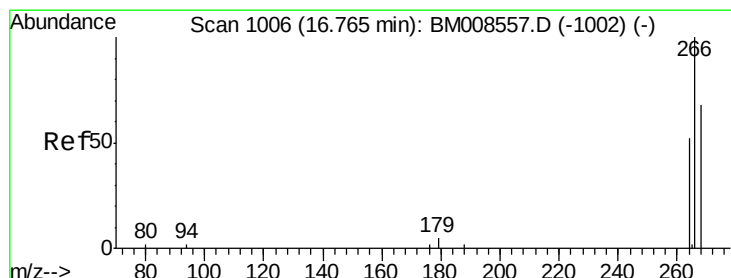
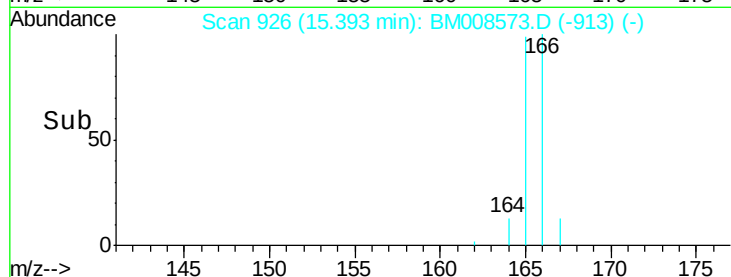
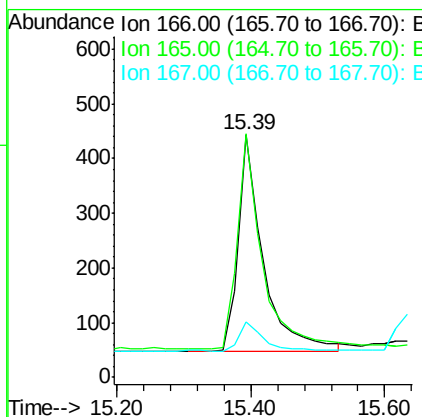
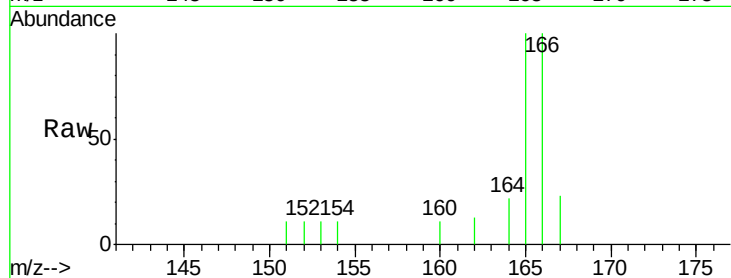




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.39 min Scan# 926
 Delta R.T. 0.02 min
 Lab File: BM008573.D
 Acq: 23 Dec 2016 01:40

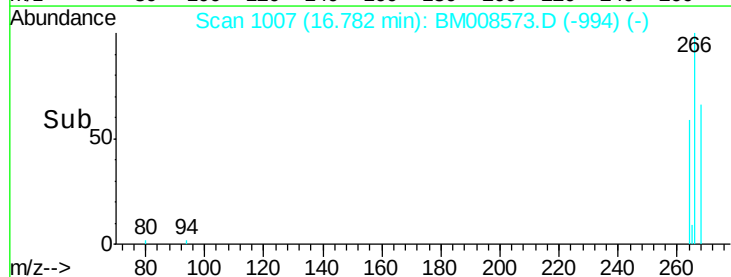
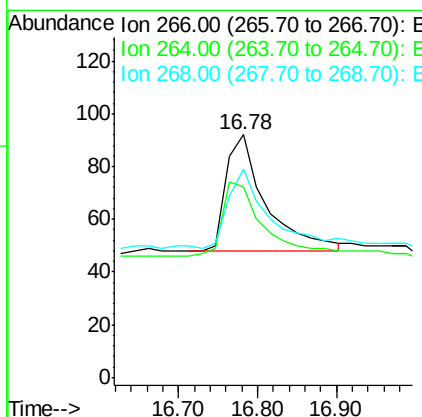
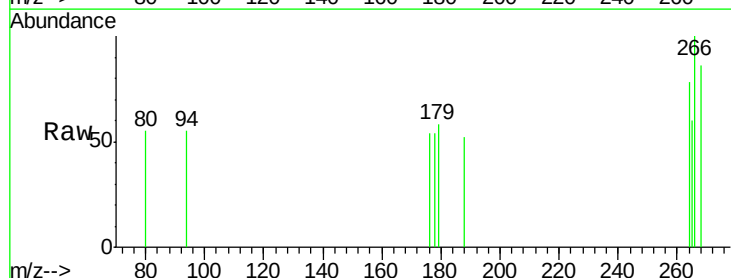
Instrument :
 BNA_M
 ClientSampleId :
 SST0.459

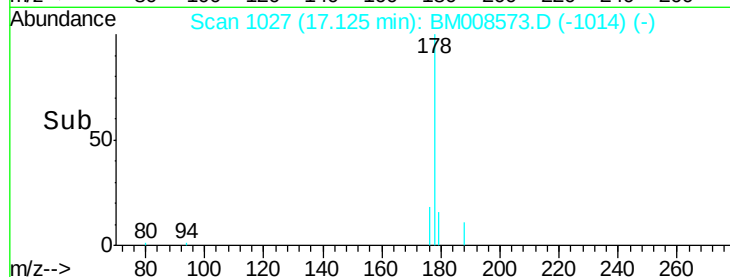
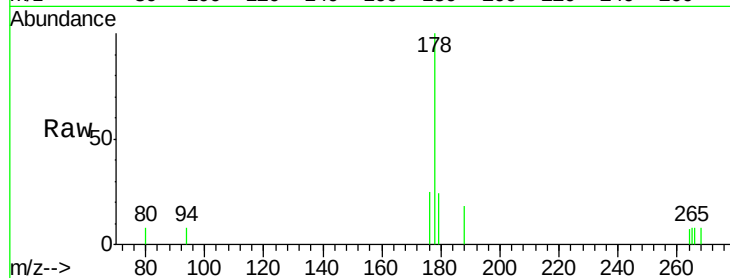
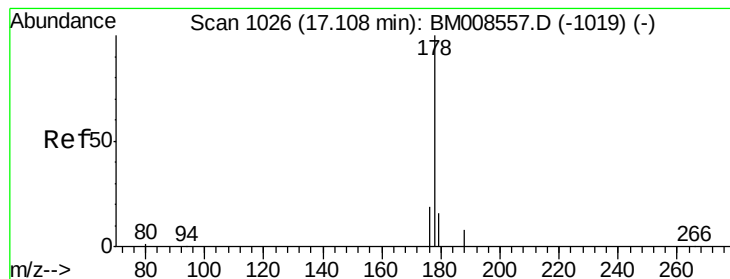
Tgt Ion:166 Resp: 1020
 Ion Ratio Lower Upper
 166 100
 165 100.5 73.4 110.2
 167 22.8 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.38 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. 0.02 min
 Lab File: BM008573.D
 Acq: 23 Dec 2016 01:40

Tgt Ion:266 Resp: 153
 Ion Ratio Lower Upper
 266 100
 264 66.7 47.9 71.9
 268 69.9 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

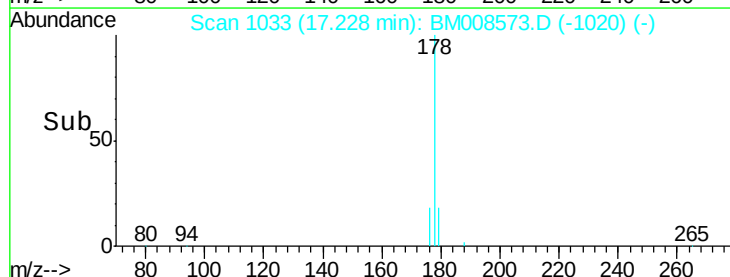
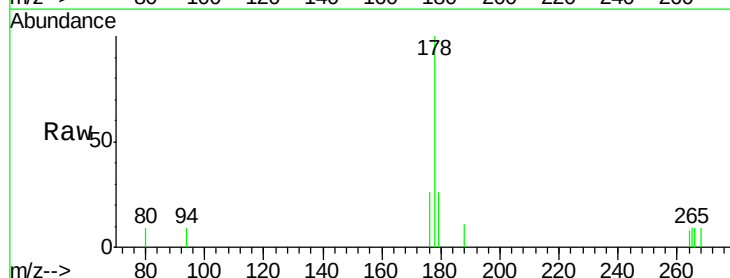
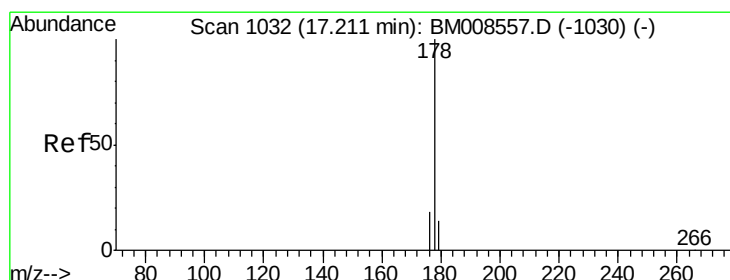
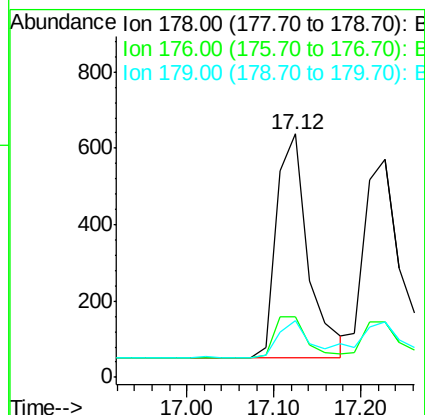
Tgt Ion:178 Resp: 1507

Ion Ratio Lower Upper

178 100

176 24.8 18.4 27.6

179 23.5 13.6 20.4#



#13

Anthracene

Concen: 0.39 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

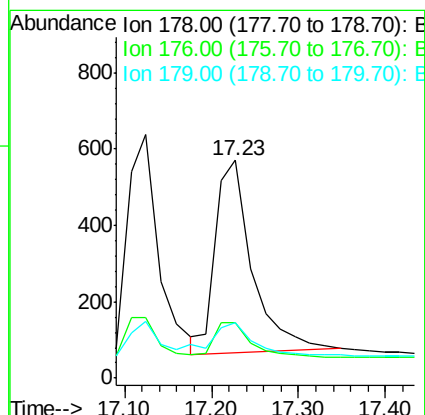
Tgt Ion:178 Resp: 1480

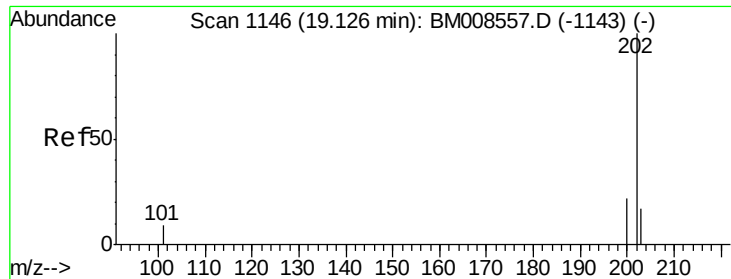
Ion Ratio Lower Upper

178 100

176 25.6 18.1 27.1

179 25.6 14.7 22.1#

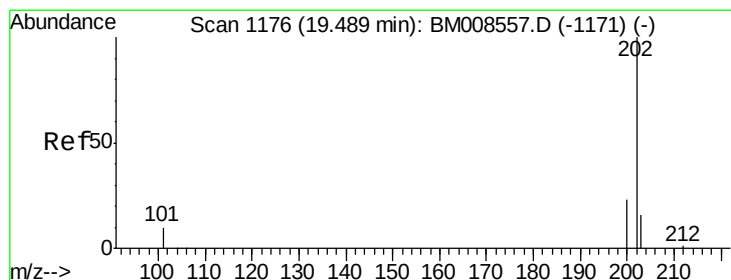
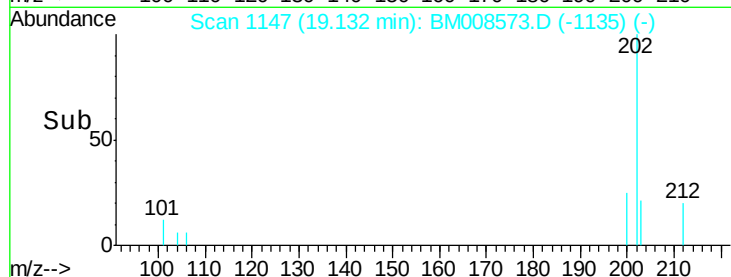
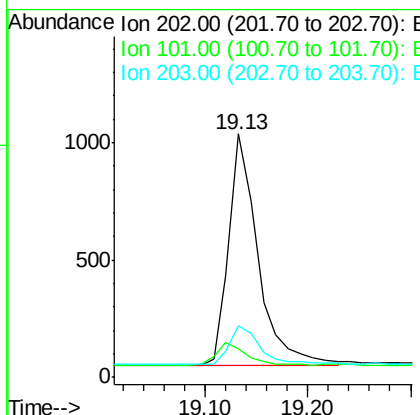
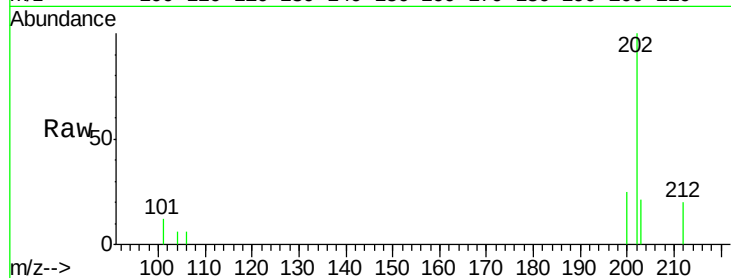




#15
Fluoranthene
 Concen: 0.40 ng/ul
 RT: 19.13 min Scan# 1147
 Delta R.T. 0.01 min
 Lab File: BM008573.D
 Acq: 23 Dec 2016 01:40

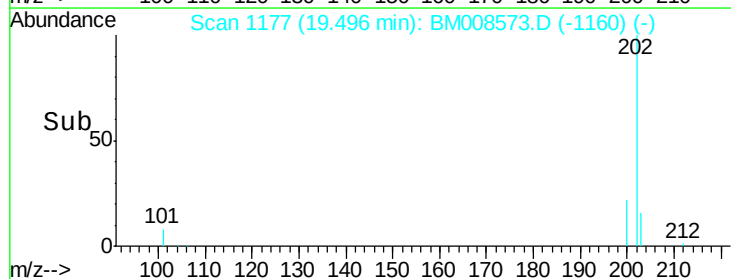
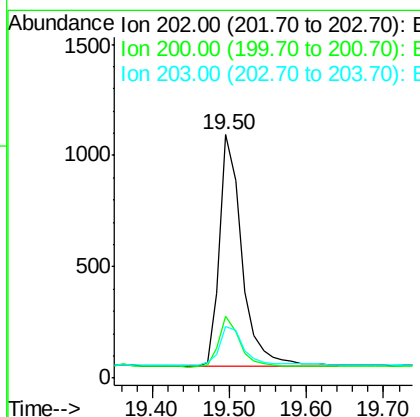
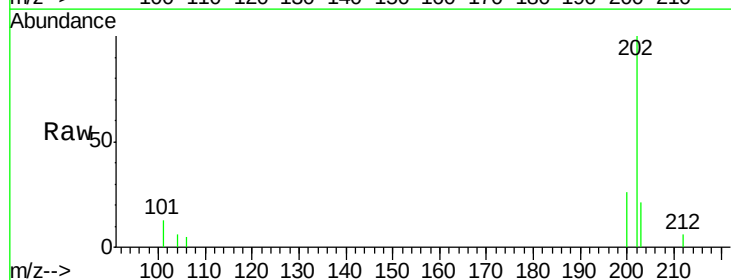
Instrument :
 BNA_M
 ClientSampleId :
 SST0.459

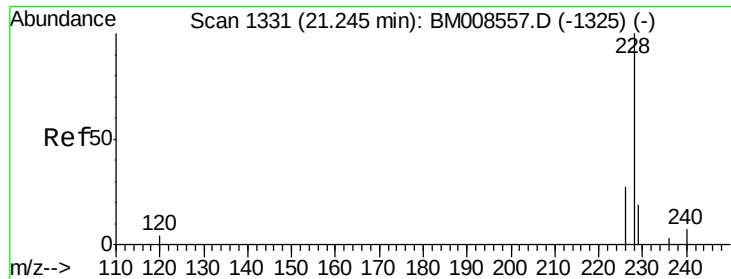
Tgt Ion: 202 Resp: 1953
 Ion Ratio Lower Upper
 202 100
 101 11.7 0.0 30.3
 203 21.3 0.0 39.5



#17
Pyrene
 Concen: 0.41 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: BM008573.D
 Acq: 23 Dec 2016 01:40

Tgt Ion: 202 Resp: 2100
 Ion Ratio Lower Upper
 202 100
 200 25.6 18.2 27.4
 203 20.9 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

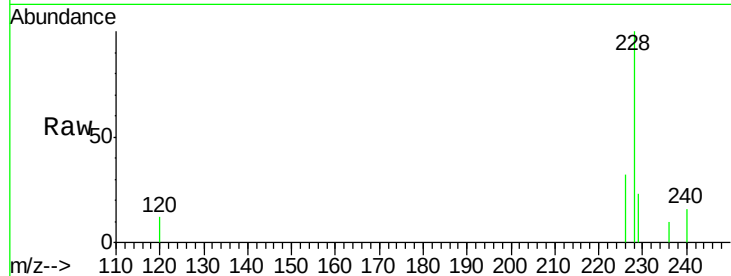
Tgt Ion:228 Resp: 1813

Ion Ratio Lower Upper

228 100

226 31.7 22.8 34.2

229 23.4 17.0 25.6

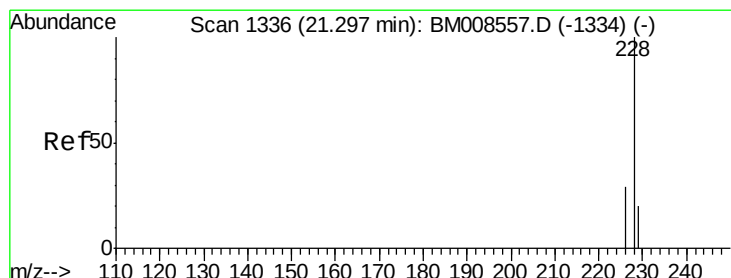
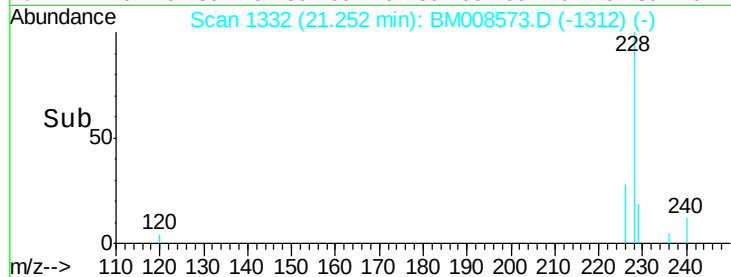
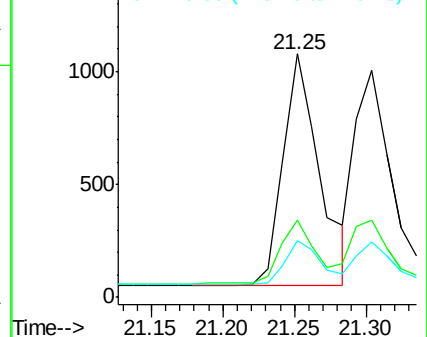


Abundance

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



#19

Chrysene

Concen: 0.38 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

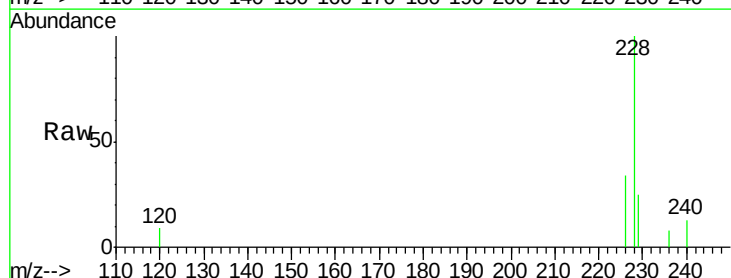
Tgt Ion:228 Resp: 1786

Ion Ratio Lower Upper

228 100

226 33.9 23.4 35.0

229 24.7 17.7 26.5

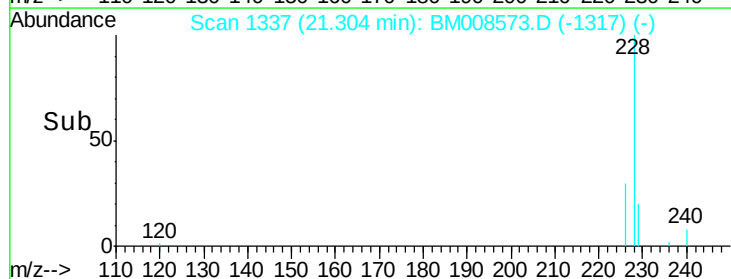
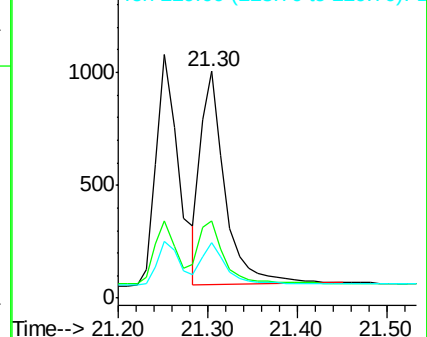


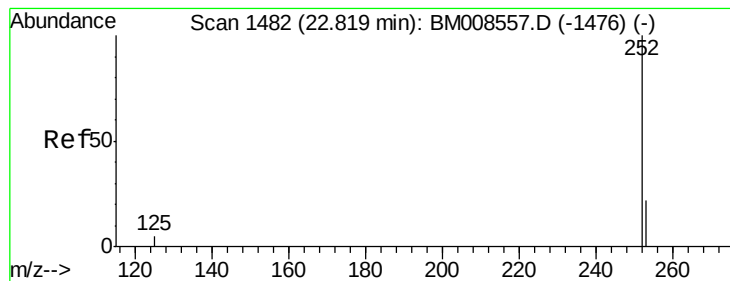
Abundance

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





#21

Benzo(b)fluoranthene

Concen: 0.35 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

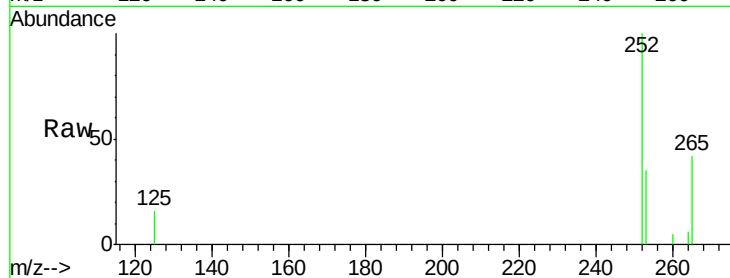
Tgt Ion:252 Resp: 1831

Ion Ratio Lower Upper

252 100

253 35.4 0.0 64.2

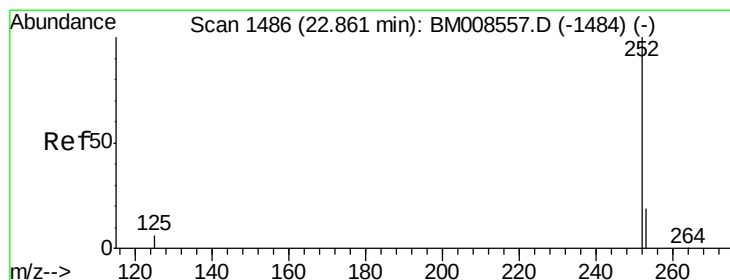
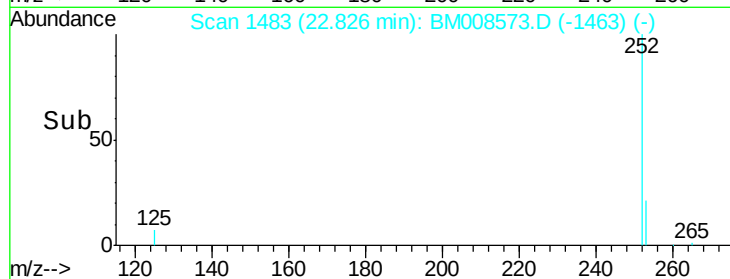
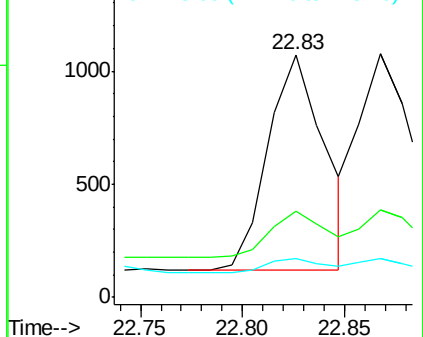
125 16.0 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

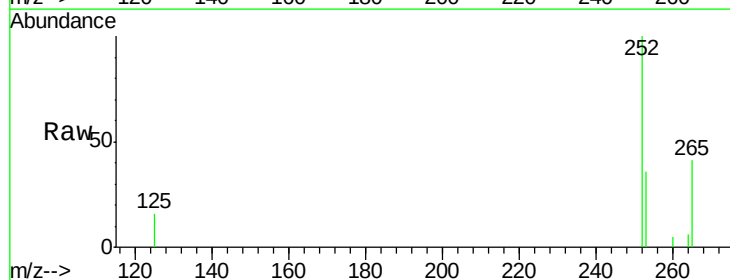
Tgt Ion:252 Resp: 2023

Ion Ratio Lower Upper

252 100

253 35.9 24.5 36.7

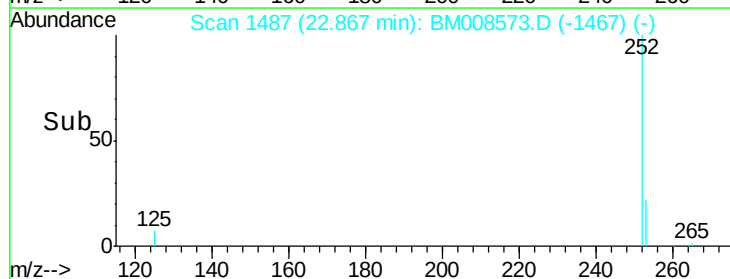
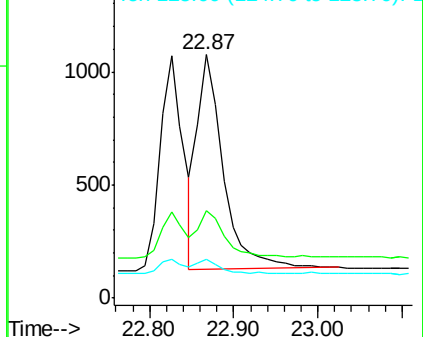
125 15.8 13.7 20.5

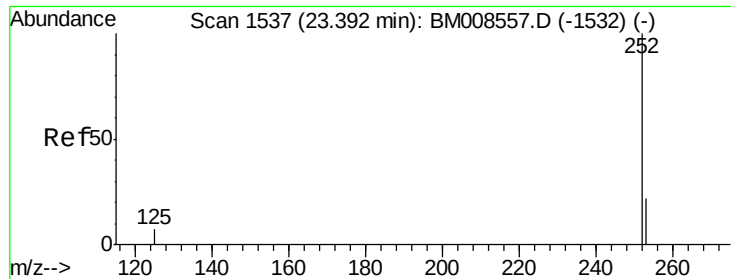


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.40 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

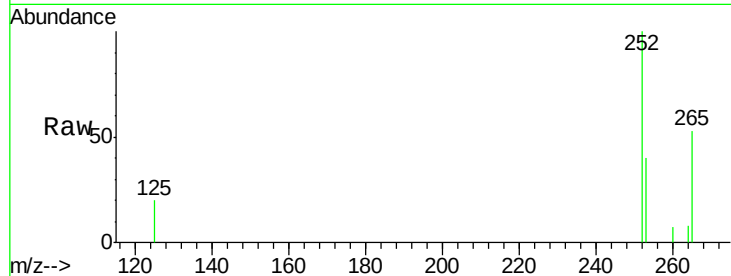
Tgt Ion: 252 Resp: 1888

Ion Ratio Lower Upper

252 100

253 40.3 28.5 42.7

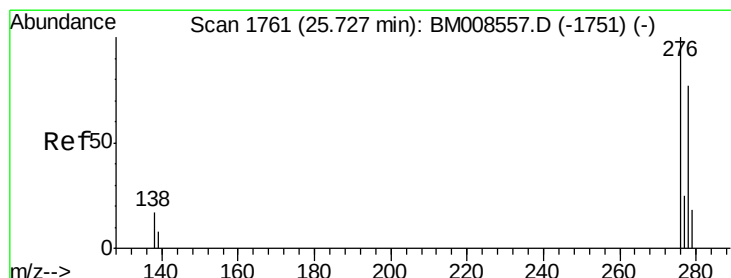
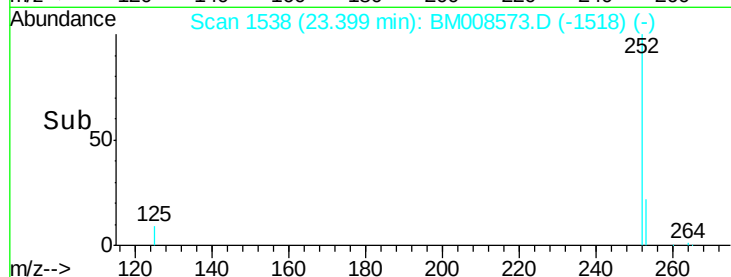
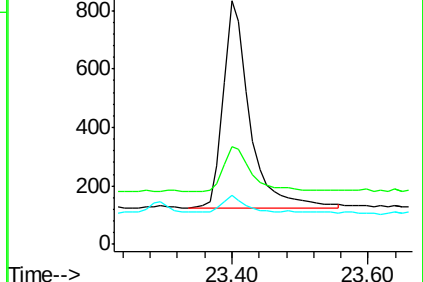
125 20.0 18.1 27.1



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

Indeno(1,2,3-cd)pyrene

Concen: 0.40 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

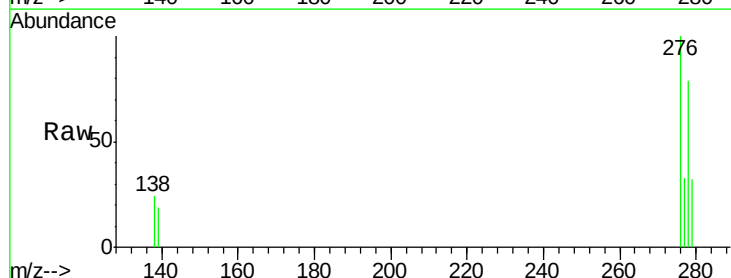
Tgt Ion: 276 Resp: 2266

Ion Ratio Lower Upper

276 100

138 16.8 19.1 28.7#

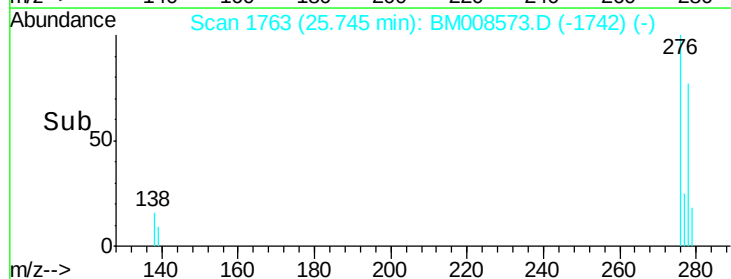
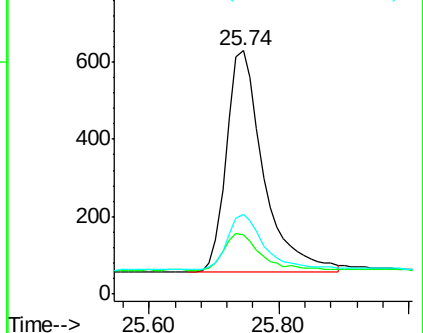
277 24.9 19.6 29.4

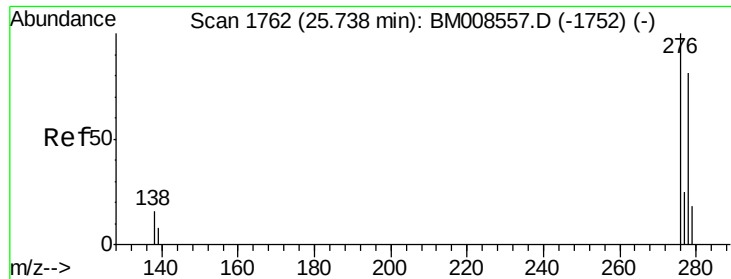


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#25

Dibenzo(a,h)anthracene

Concen: 0.39 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.01 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

Instrument :

BNA_M

ClientSampleId :

SSTD0.459

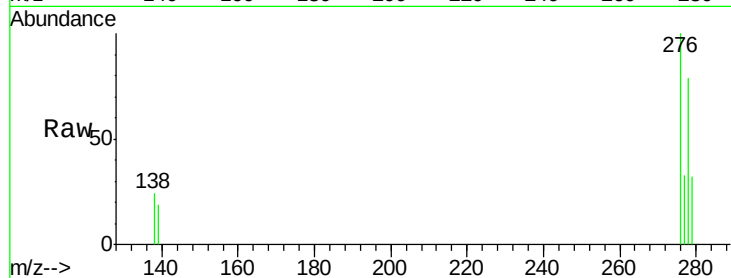
Tgt Ion:278 Resp: 1791

Ion Ratio Lower Upper

278 100

139 23.9 17.4 26.0

279 40.8 25.9 38.9#



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

25.74

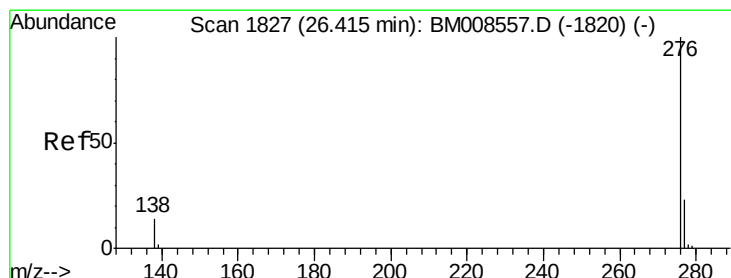
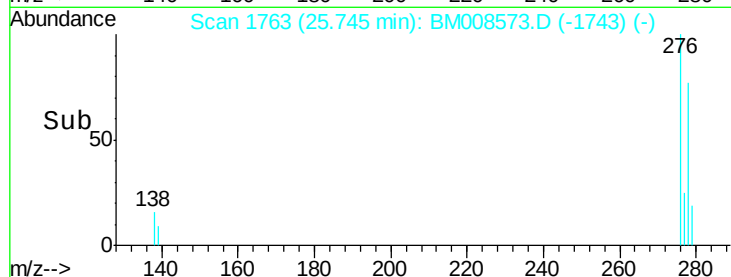
400

200

0

25.60 25.80

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 26.42 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BM008573.D

Acq: 23 Dec 2016 01:40

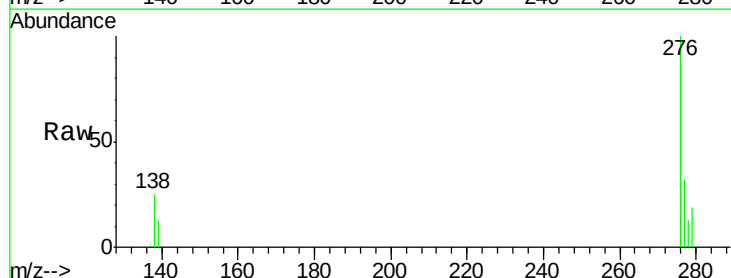
Tgt Ion:276 Resp: 1958

Ion Ratio Lower Upper

276 100

277 32.4 21.8 32.8

138 24.5 20.5 30.7



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

26.42

600

400

200

0

26.40 26.60

Time-->

