

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010915\
 Data File : BE089385.D
 Acq On : 9 Jan 2015 15:44
 Operator : TP/IZ
 Sample : SSTD0.464
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTD0.464

Quant Time: Jan 09 23:57:36 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM01.2-EPA-SIM-BE123014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 09 23:27:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1231	0.40	ng/ul	0.00
4) Naphthalene-d8	8.50	136	4835	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2367	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3573	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	2517	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2190	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.10	96	3691	2.00	ng/uL	0.00
6) 2-Methylnaphthalene-d10	9.35	152	1922	0.35	ng/ul	0.27
16) Fluoranthene-d10	14.91	212	2575	0.42	ng/ul	0.00

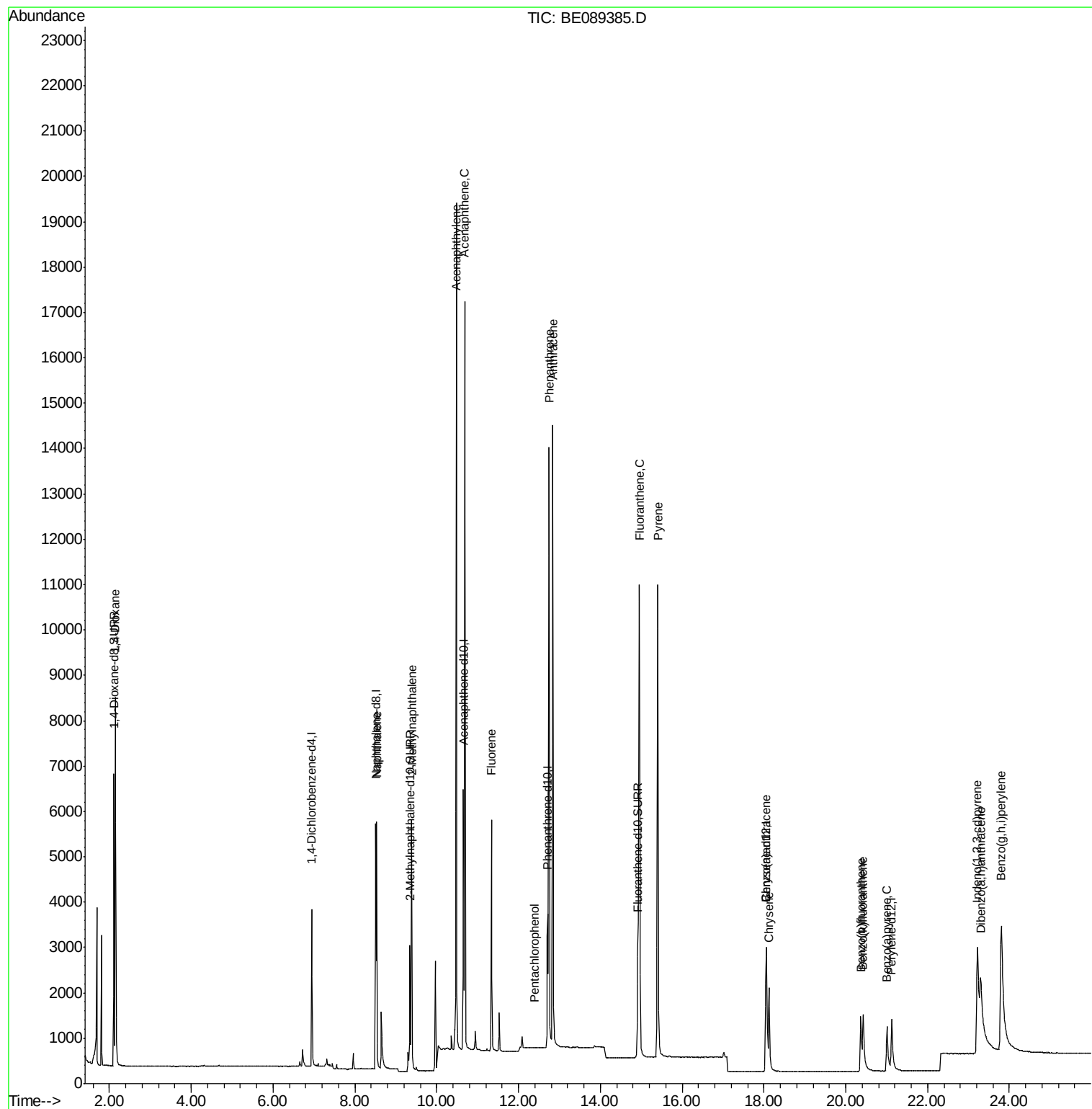
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.15	88	4116	2.00	ng/ul	99
5) Naphthalene	8.53	128	4757	0.41	ng/ul	99
7) 2-Methylnaphthalene	9.38	142	3031	0.43	ng/ul	97
9) Acenaphthylene	10.48	152	16584	0.44	ng/ul	98
10) Acenaphthene	10.69	153	10531	0.41	ng/ul#	83
11) Fluorene	11.34	166	2770	0.41	ng/ul	99
13) Pentachlorophenol	12.39	266	1	0.00	ng/ul#	18
14) Phenanthrene	12.75	178	15662	0.41	ng/ul	100
15) Anthracene	12.83	178	14835	0.43	ng/ul	100
17) Fluoranthene	14.95	202	14075	0.41	ng/ul	98
19) Pyrene	15.40	202	14397	0.44	ng/ul	98
20) Benzo(a)anthracene	18.05	228	2550	0.45	ng/ul	98
21) Chrysene	18.12	228	2790	0.41	ng/ul	97
23) Benzo(b)fluoranthene	20.37	252	1897	0.34	ng/ul	96
24) Benzo(k)fluoranthene	20.43	252	2889	0.40	ng/ul	96
25) Benzo(a)pyrene	21.01	252	2084	0.37	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	23.22	276	5662	0.37	ng/ul	99
27) Dibenzo(a,h)anthracene	23.30	278	1791	0.39	ng/ul	95
28) Benzo(g,h,i)perylene	23.80	276	9196	0.41	ng/ul	95

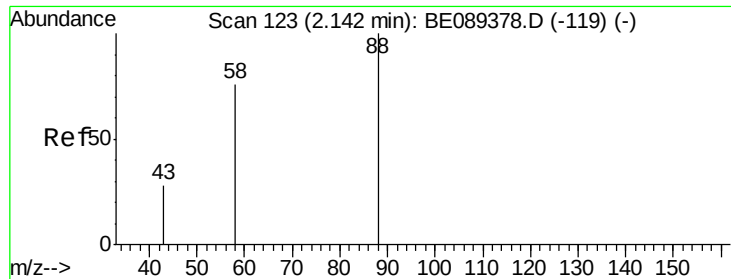
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.00 ng/ul

RT: 2.15 min Scan# 124

Delta R.T. 0.34 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464

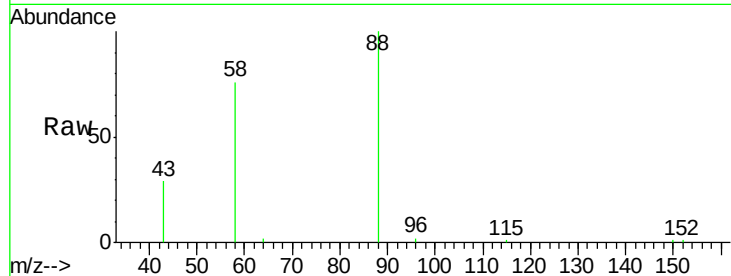
Tgt Ion: 88 Resp: 4116

Ion Ratio Lower Upper

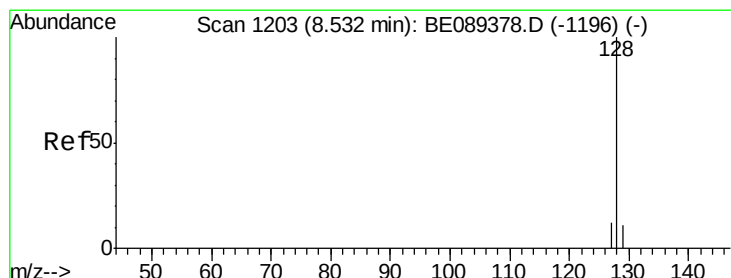
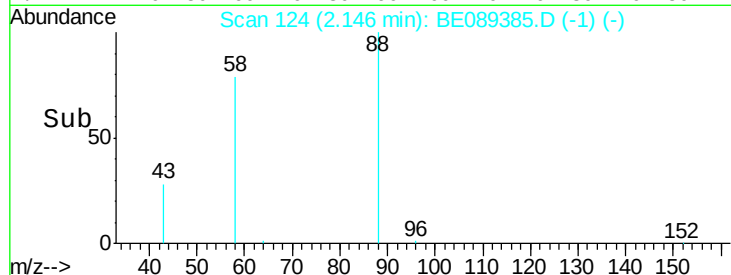
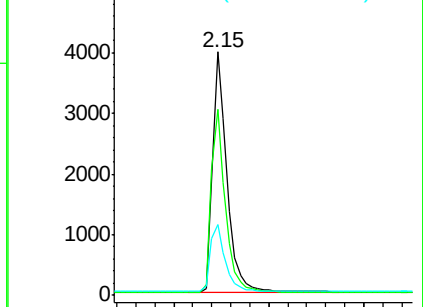
88 100

58 76.2 61.5 92.3

43 29.2 23.9 35.9



Abundance Ion 88.00 (87.70 to 88.70): BE0
Ion 58.00 (57.70 to 58.70): BE0
Ion 43.00 (42.70 to 43.70): BE0



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

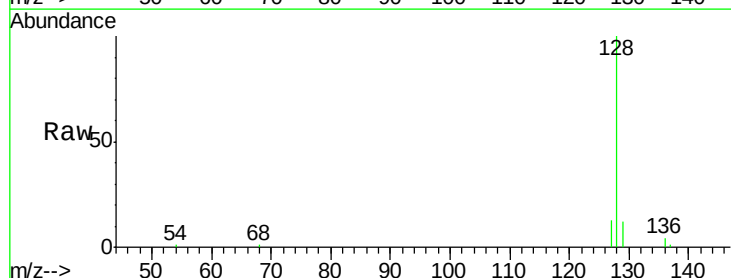
Tgt Ion: 128 Resp: 4757

Ion Ratio Lower Upper

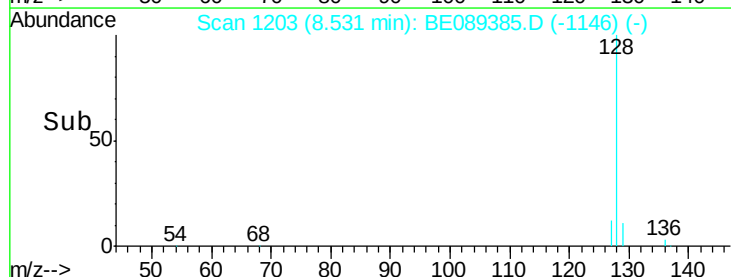
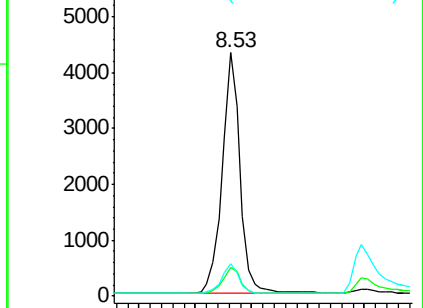
128 100

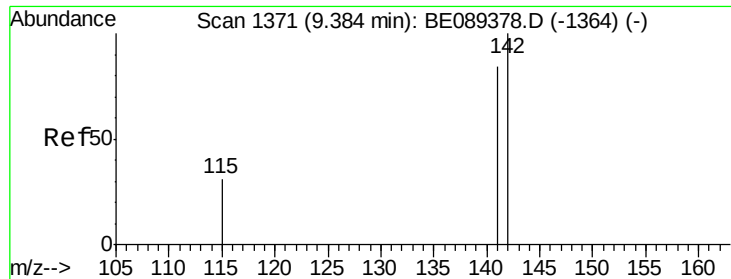
129 11.9 9.1 13.7

127 13.1 10.0 15.0



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: 0.43 ng/ul

RT: 9.38 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

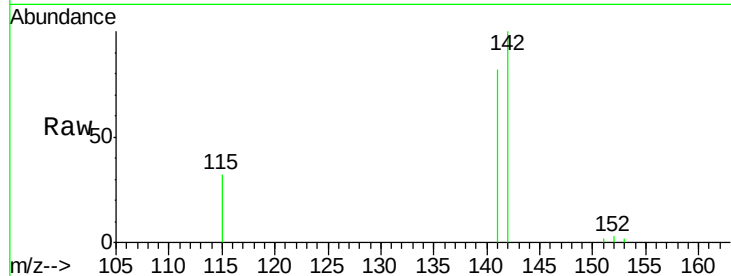
SSTD0.464

Tgt Ion:142 Resp: 3031

Ion Ratio Lower Upper

142 100

141 79.2 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

9.38

2500

2000

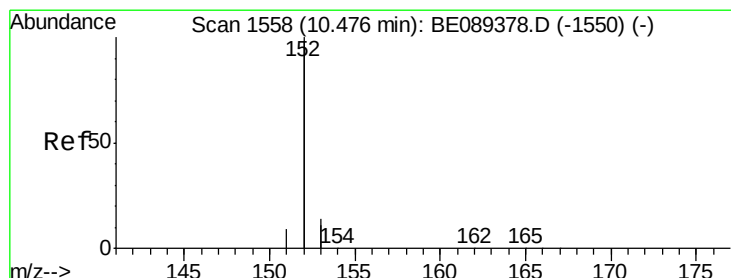
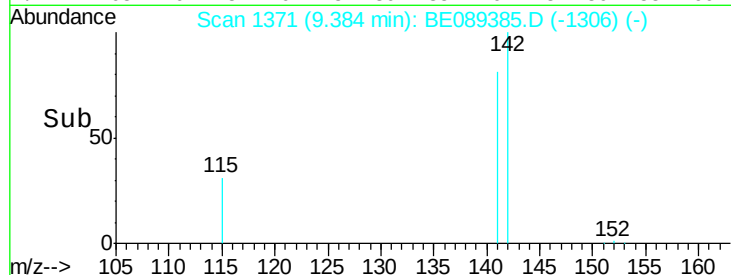
1500

1000

500

0

Time--> 9.30 9.35 9.40 9.45 9.50



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

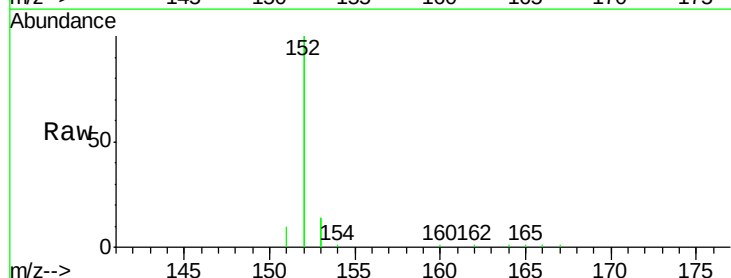
Tgt Ion:152 Resp: 16584

Ion Ratio Lower Upper

152 100

151 5.0 4.0 6.0

153 13.6 10.1 15.1



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

10.48

20000

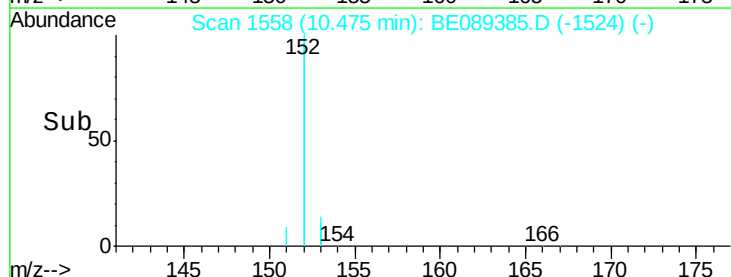
15000

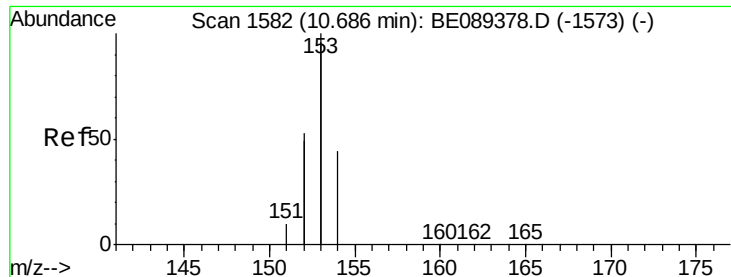
10000

5000

0

Time--> 10.30 10.40 10.50 10.60





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 10.69 min Scan# 1582

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464

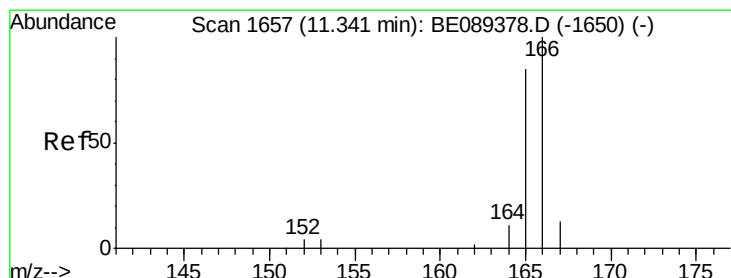
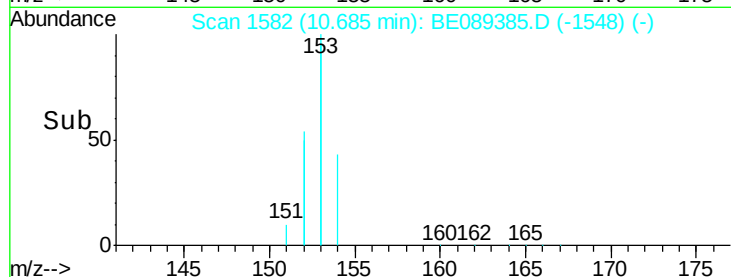
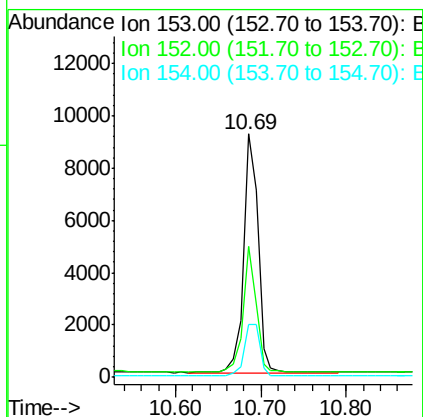
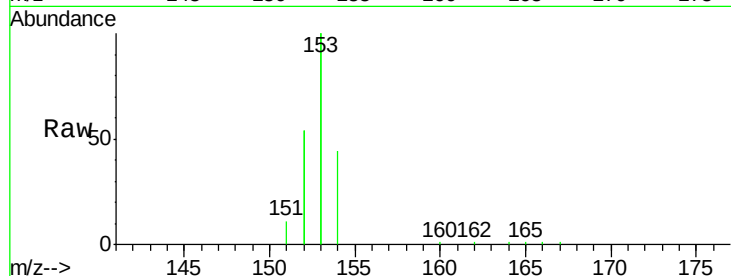
Tgt Ion:153 Resp: 10531

Ion Ratio Lower Upper

153 100

152 54.0 32.6 49.0#

154 21.9 21.8 32.6



#11

Fluorene

Concen: 0.41 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

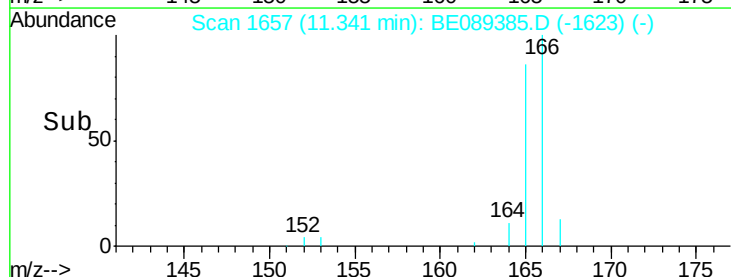
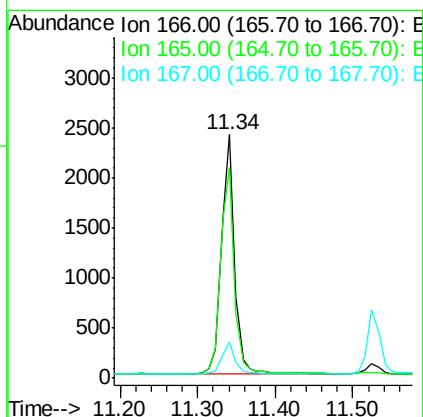
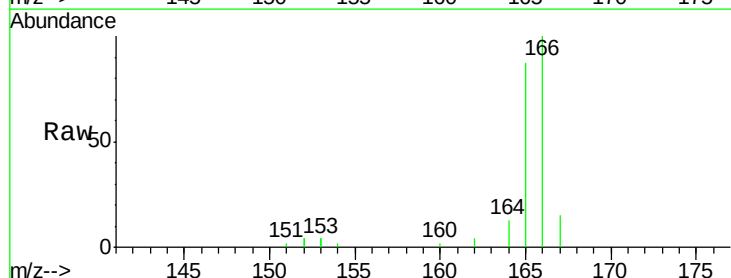
Tgt Ion:166 Resp: 2770

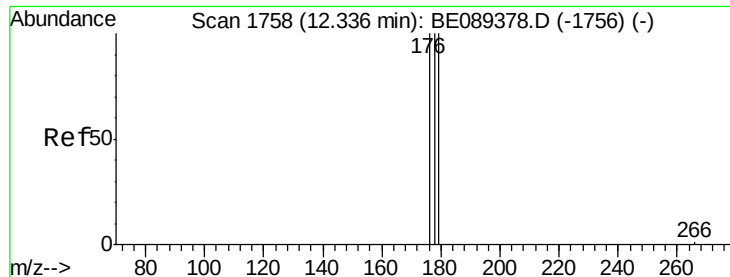
Ion Ratio Lower Upper

166 100

165 86.6 70.3 105.5

167 14.9 11.5 17.3

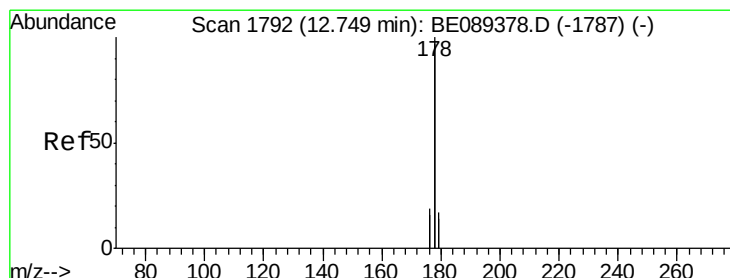
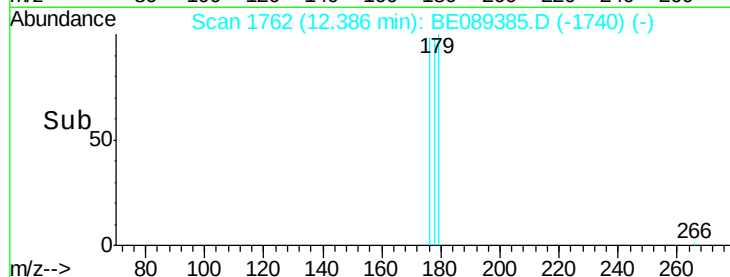
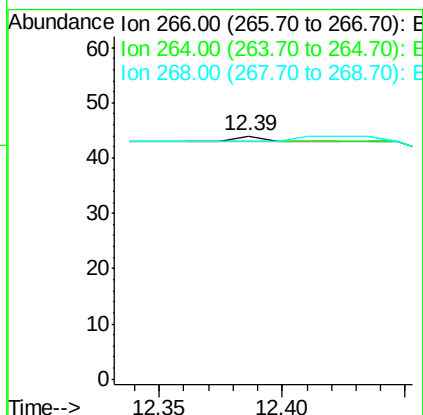
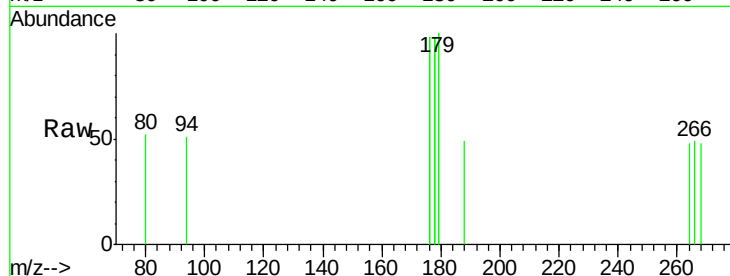




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 12.39 min Scan# 1762
 Delta R.T. -0.03 min
 Lab File: BE089385.D
 Acq: 9 Jan 2015 15:44

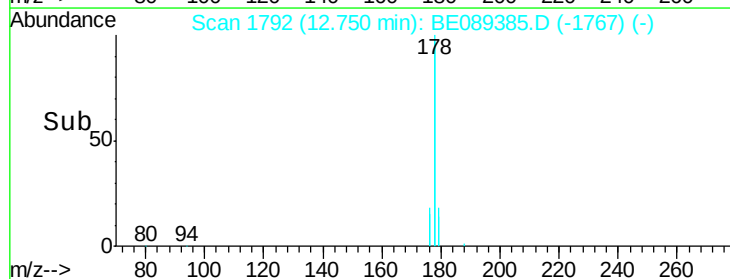
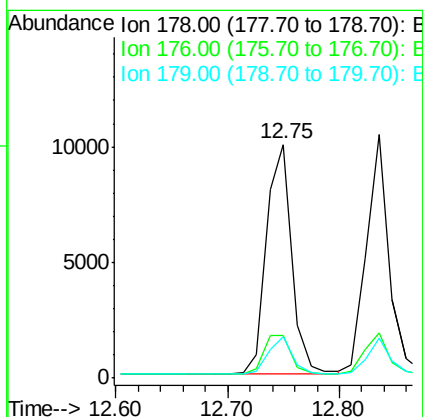
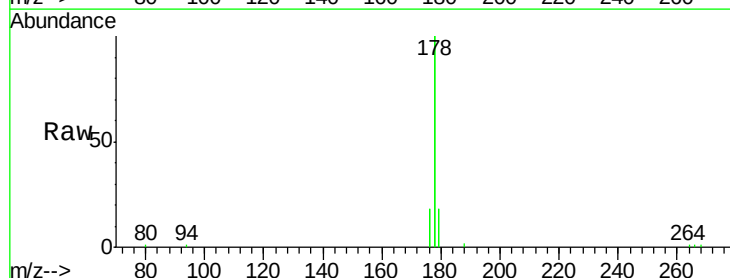
Instrument :
 BNA_E
 LabSampleId :
 SST0.464

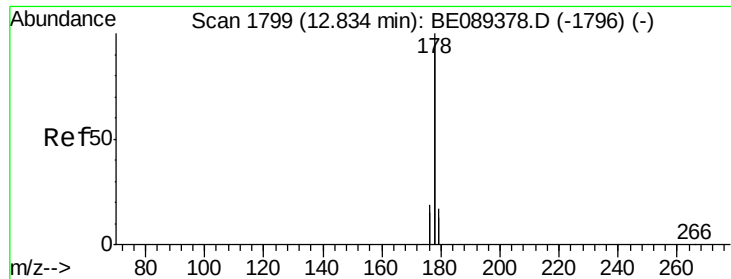
Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 264 0.0 48.7 73.1#
 268 0.0 52.9 79.3#



#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 12.75 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: BE089385.D
 Acq: 9 Jan 2015 15:44

Tgt Ion: 178 Resp: 15662
 Ion Ratio Lower Upper
 178 100
 176 18.1 14.3 21.5
 179 17.5 13.8 20.8





#15

Anthracene

Concen: 0.43 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464

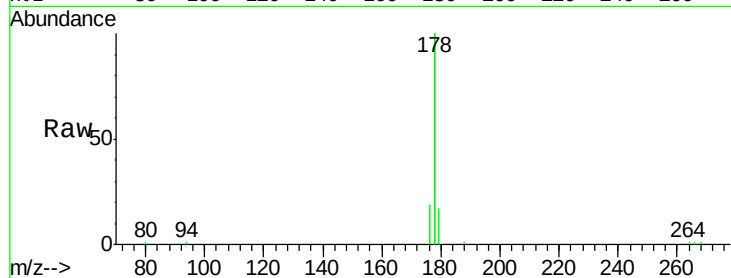
Tgt Ion:178 Resp: 14835

Ion Ratio Lower Upper

178 100

176 18.7 14.7 22.1

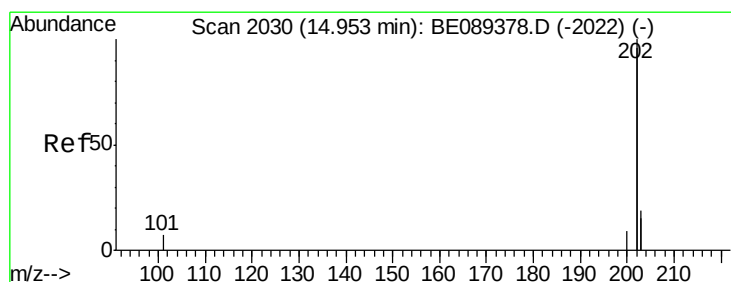
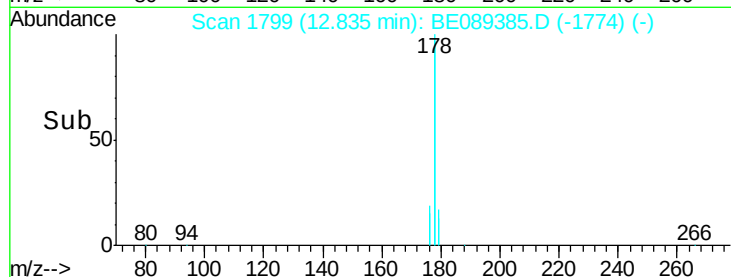
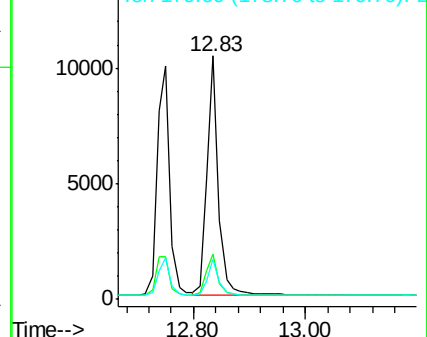
179 16.7 13.4 20.2



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



#17

Fluoranthene

Concen: 0.41 ng/ul

RT: 14.95 min Scan# 2030

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

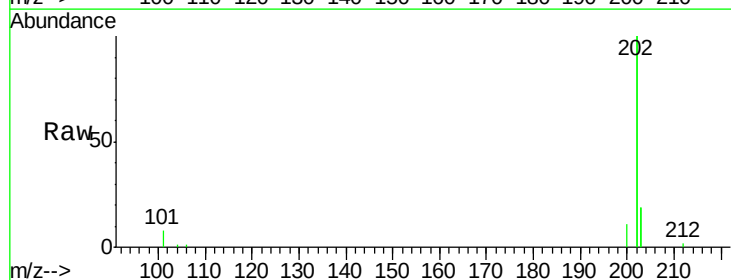
Tgt Ion:202 Resp: 14075

Ion Ratio Lower Upper

202 100

101 4.2 0.0 24.6

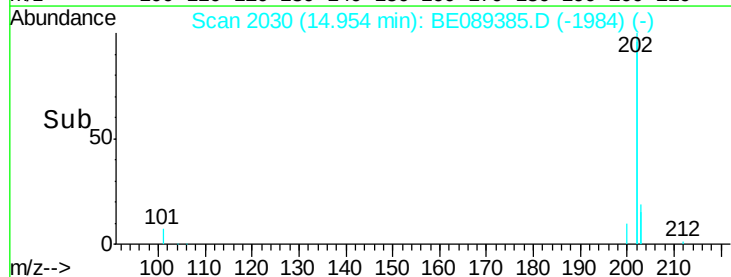
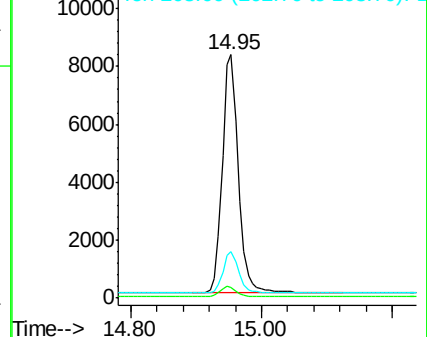
203 19.0 0.0 37.8

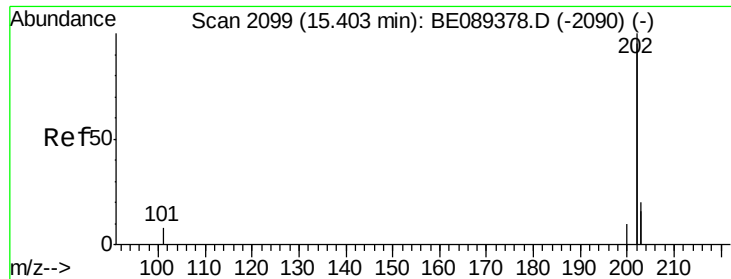


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.44 ng/ul

RT: 15.40 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464

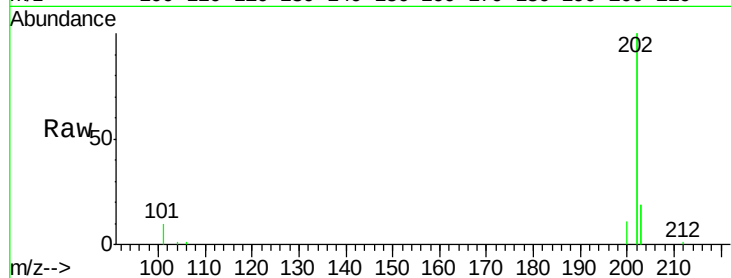
Tgt Ion:202 Resp: 14397

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

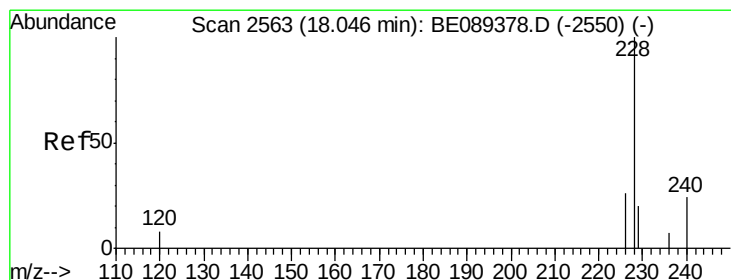
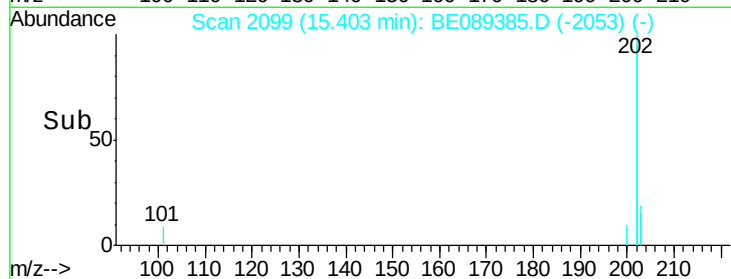
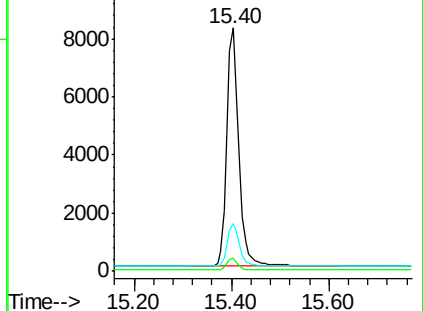
203 19.4 14.4 21.6



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: 0.45 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

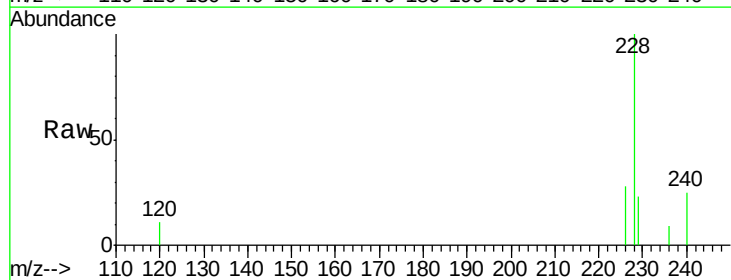
Tgt Ion:228 Resp: 2550

Ion Ratio Lower Upper

228 100

226 28.3 21.9 32.9

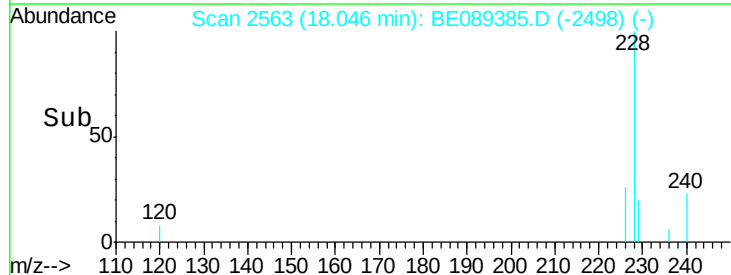
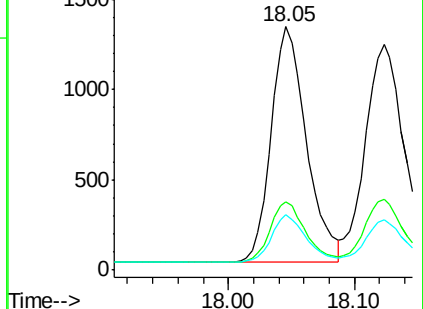
229 22.7 16.9 25.3

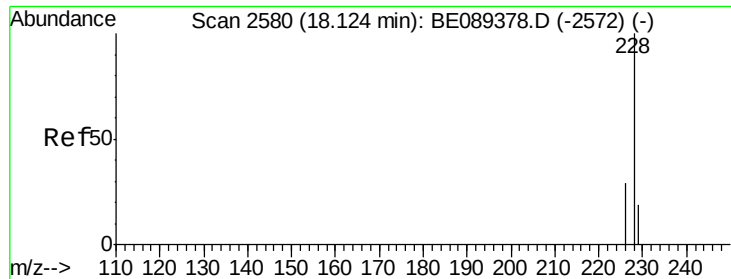


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464

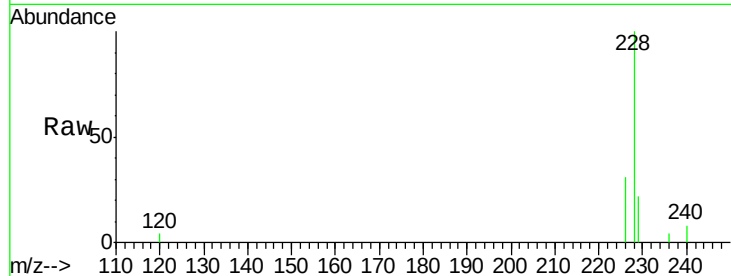
Tgt Ion:228 Resp: 2790

Ion Ratio Lower Upper

228 100

226 31.2 23.9 35.9

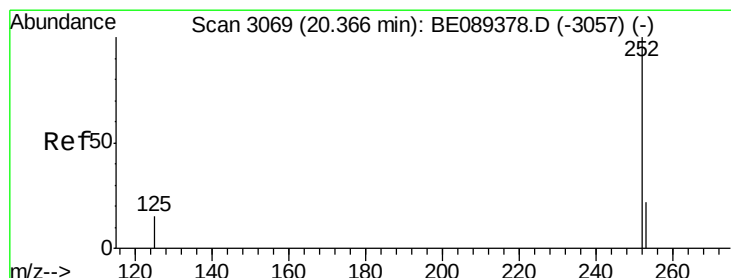
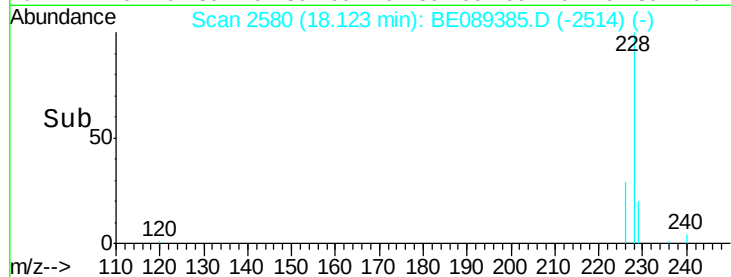
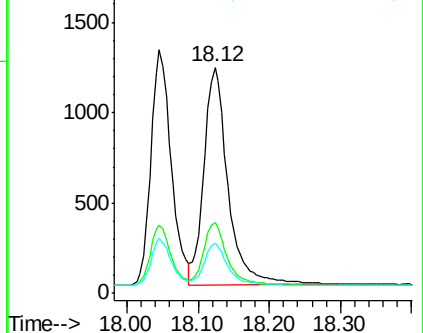
229 22.4 16.8 25.2



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: 0.34 ng/ul

RT: 20.37 min Scan# 3069

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

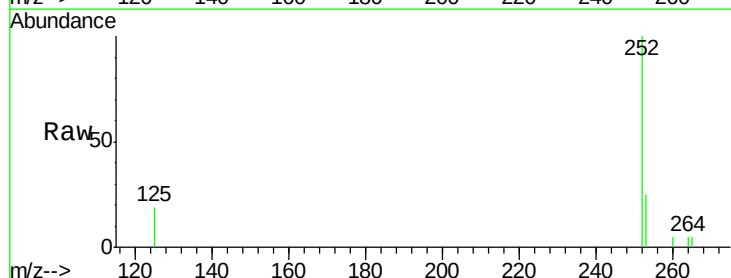
Tgt Ion:252 Resp: 1897

Ion Ratio Lower Upper

252 100

253 25.3 0.0 47.8

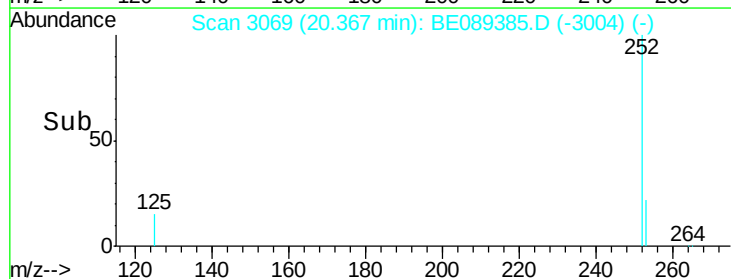
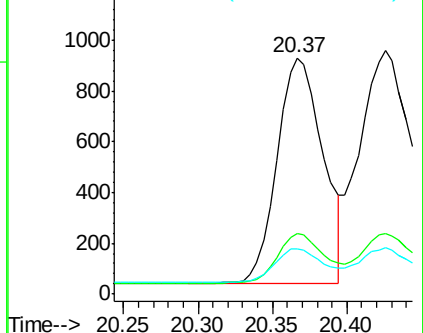
125 19.1 0.0 34.2

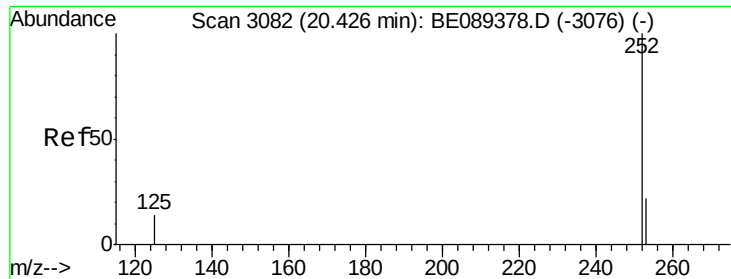


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 20.43 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464

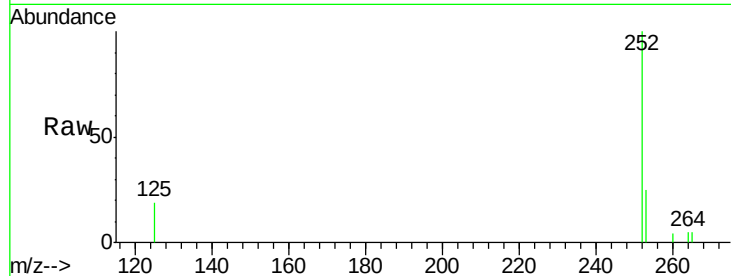
Tgt Ion:252 Resp: 2889

Ion Ratio Lower Upper

252 100

253 25.0 19.0 28.6

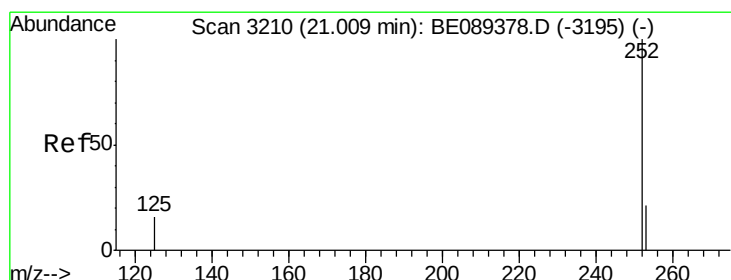
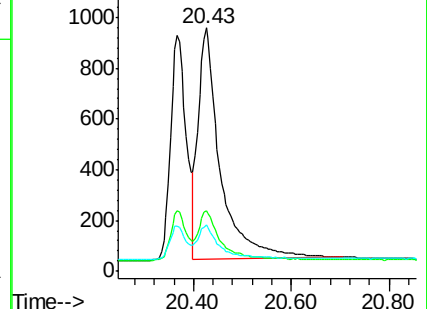
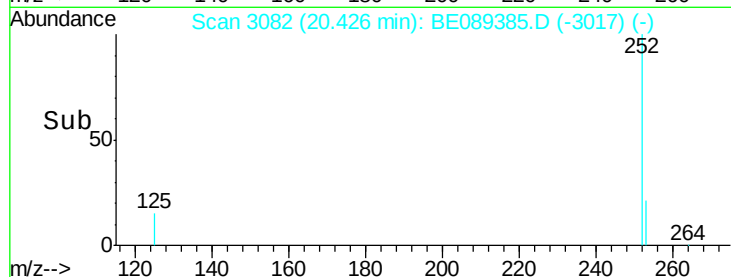
125 19.2 13.5 20.3



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(a)pyrene

Concen: 0.37 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. -0.00 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

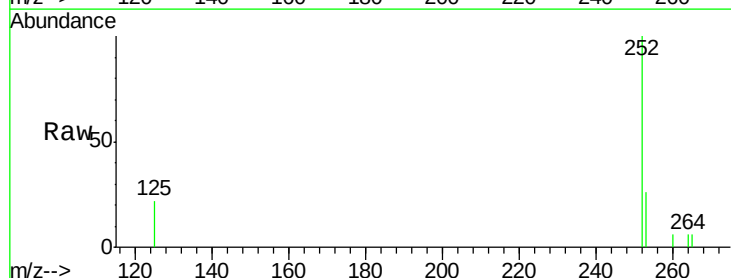
Tgt Ion:252 Resp: 2084

Ion Ratio Lower Upper

252 100

253 25.7 19.7 29.5

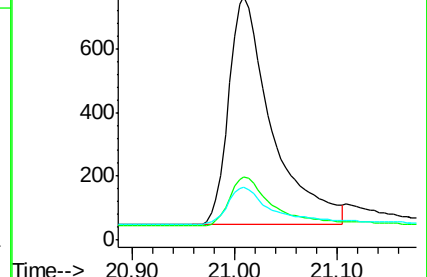
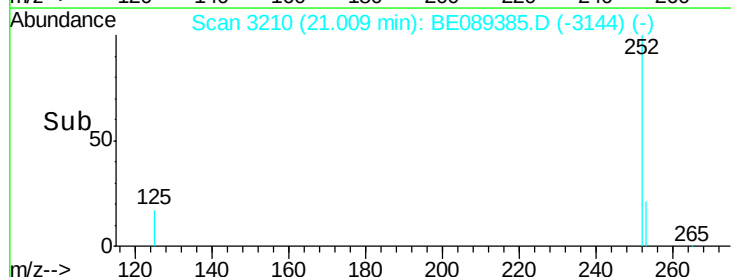
125 21.9 15.0 22.6

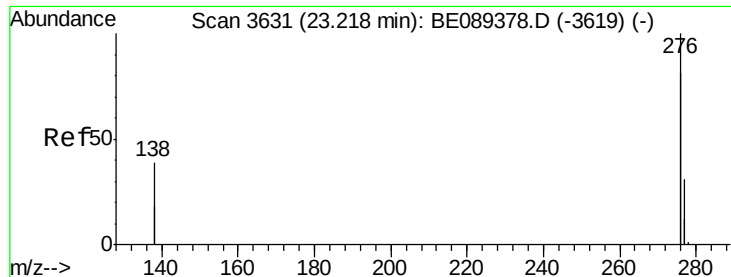


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.37 ng/ul

RT: 23.22 min Scan# 3631

Delta R.T. -0.01 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464

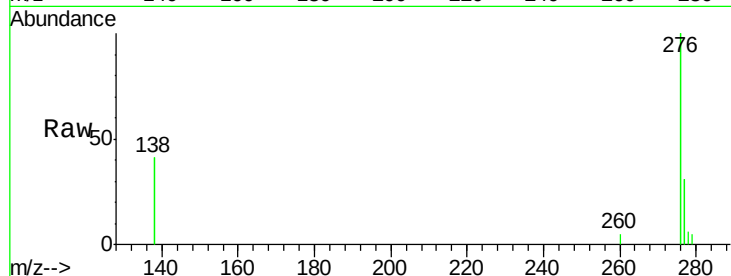
Tgt Ion:276 Resp: 5662

Ion Ratio Lower Upper

276 100

138 29.8 23.8 35.8

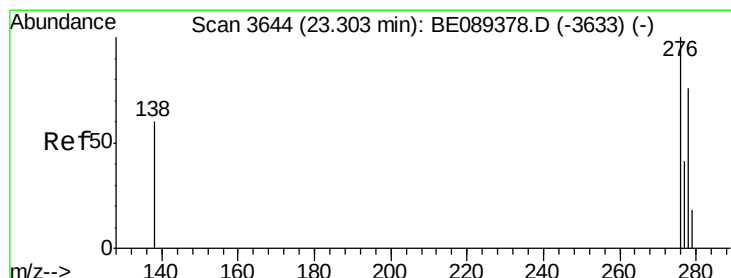
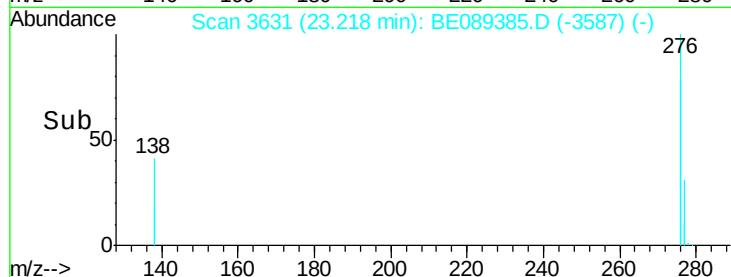
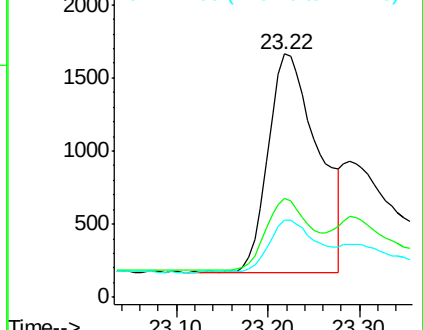
277 22.3 18.9 28.3



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



#27

Dibenzo(a,h)anthracene

Concen: 0.39 ng/ul

RT: 23.30 min Scan# 3644

Delta R.T. -0.01 min

Lab File: BE089385.D

Acq: 9 Jan 2015 15:44

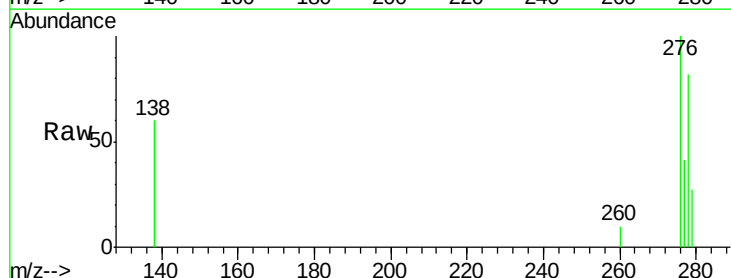
Tgt Ion:278 Resp: 1791

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

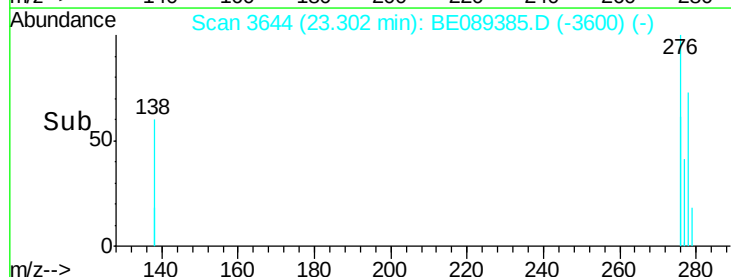
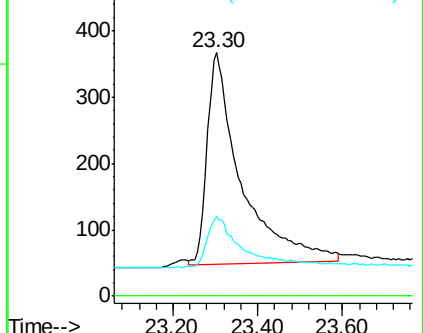
279 33.0 24.0 36.0

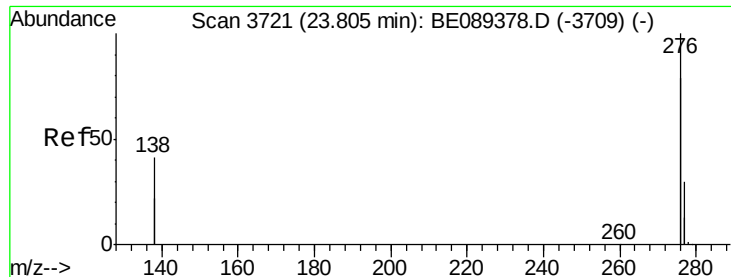


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 23.80 min Scan# 3721

Delta R.T. -0.02 min

Lab File: BE089385.D

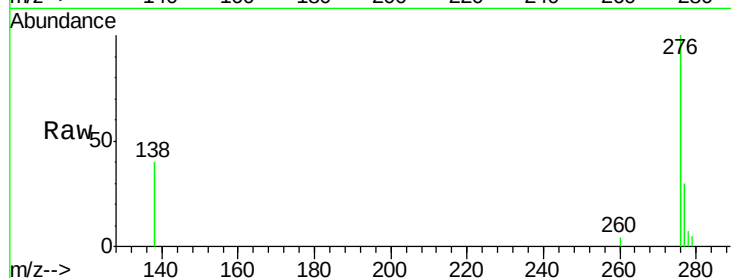
Acq: 9 Jan 2015 15:44

Instrument :

BNA_E

LabSampleId :

SSTD0.464



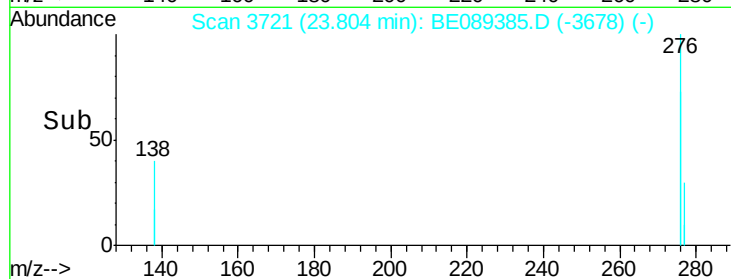
Tgt Ion: 276 Resp: 9196

Ion Ratio Lower Upper

276 100

277 30.2 22.3 33.5

138 40.3 30.0 45.0



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

