

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010815\
 Data File : Be089362.d
 Acq On : 8 Jan 2015 12:57
 Operator : TP/IZ
 Sample : SSTD0.461
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTD0.461

Quant Time: Jan 09 01:32:37 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 02 10:52:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1137	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	4433	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2167	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3416	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	2505	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2196	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	2.10	96	3431	2.01	ng/uL	-0.04
6) 2-Methylnaphthalene-d10	9.35	152	2149	0.42	ng/ul	0.00
16) Fluoranthene-d10	14.91	212	2551	0.43	ng/ul	0.00

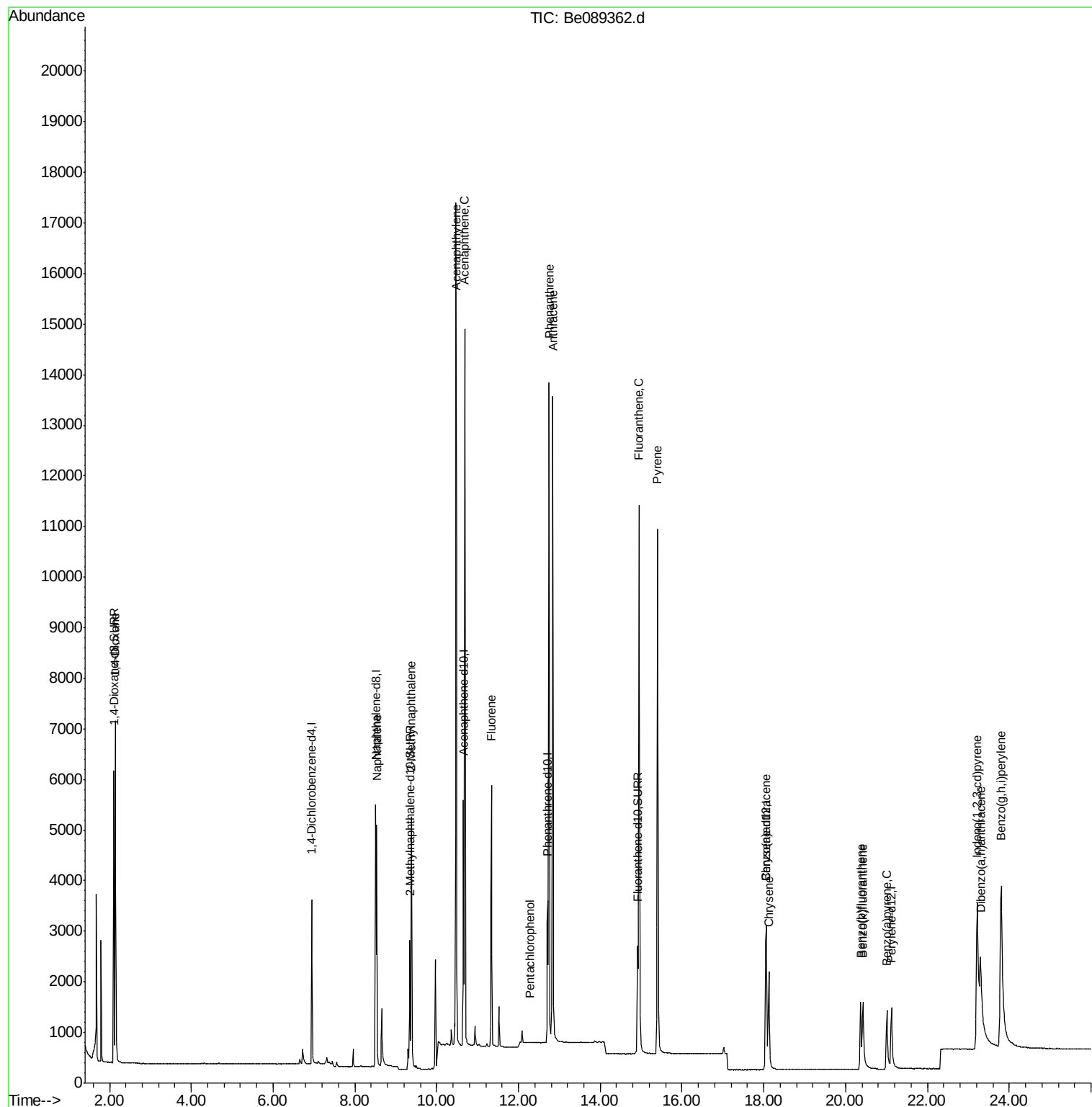
Target Compounds				Qvalue		
3) 1,4-Dioxane	2.15	88	3793	1.99	ng/ul	99
5) Naphthalene	8.53	128	4393	0.42	ng/ul	98
7) 2-Methylnaphthalene	9.38	142	2801	0.44	ng/ul	97
9) Acenaphthylene	10.48	152	15382	0.45	ng/ul	99
10) Acenaphthene	10.68	153	9690	0.41	ng/ul#	81
11) Fluorene	11.34	166	2622	0.42	ng/ul	99
13) Pentachlorophenol	12.28	266	1	0.00	ng/ul#	18
14) Phenanthrene	12.75	178	15037	0.41	ng/ul	100
15) Anthracene	12.83	178	14474	0.44	ng/ul	100
17) Fluoranthene	14.95	202	13842	0.43	ng/ul	97
19) Pyrene	15.40	202	14111	0.44	ng/ul	96
20) Benzo(a)anthracene	18.05	228	2613	0.46	ng/ul	97
21) Chrysene	18.12	228	2736	0.40	ng/ul	98
23) Benzo(b)fluoranthene	20.37	252	2058	0.37	ng/ul	96
24) Benzo(k)fluoranthene	20.42	252	2747	0.38	ng/ul	98
25) Benzo(a)pyrene	21.01	252	2353	0.42	ng/ul	97
26) Indeno(1,2,3-cd)pyrene	23.22	276	6335	0.41	ng/ul	99
27) Dibenzo(a,h)anthracene	23.30	278	1921	0.42	ng/ul	99
28) Benzo(g,h,i)perylene	23.80	276	9488	0.43	ng/ul	97

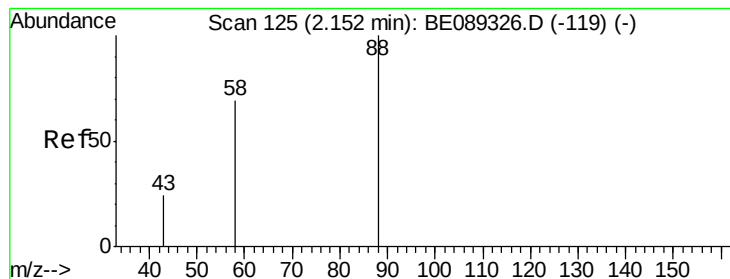
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.99 ng/ul

RT: 2.15 min Scan# 124

Delta R.T. -0.04 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

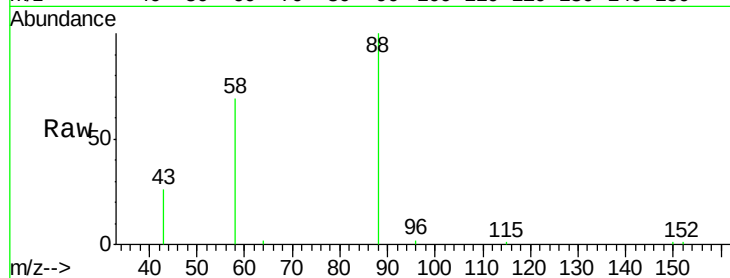
Tgt Ion: 88 Resp: 3793

Ion Ratio Lower Upper

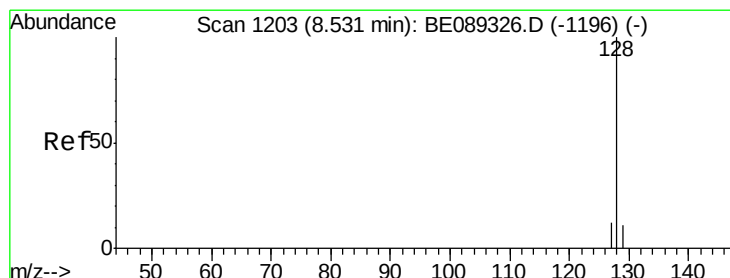
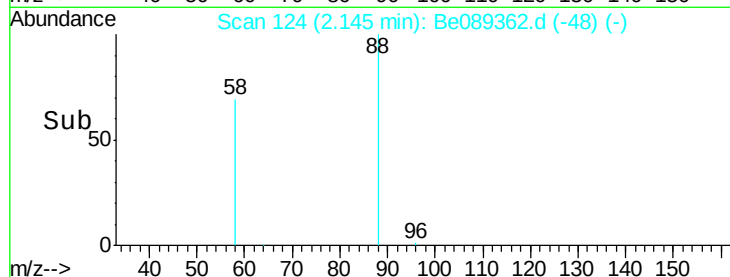
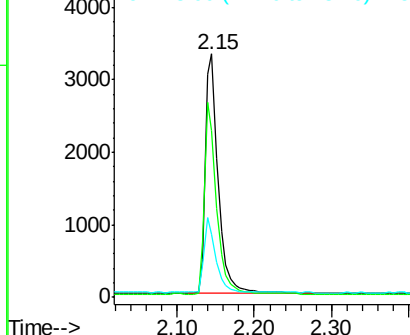
88 100

58 76.1 61.5 92.3

43 28.8 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: 0.42 ng/ul

RT: 8.53 min Scan# 1203

Delta R.T. -0.00 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

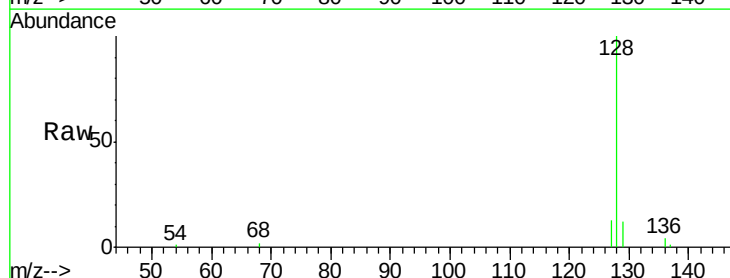
Tgt Ion: 128 Resp: 4393

Ion Ratio Lower Upper

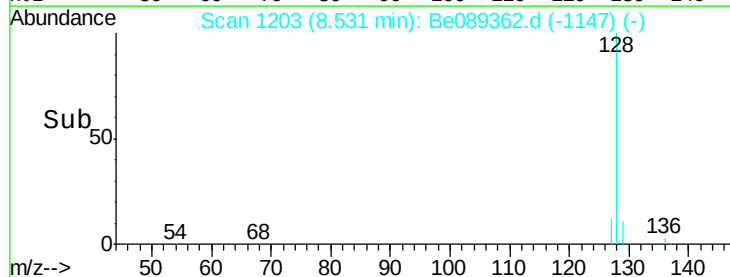
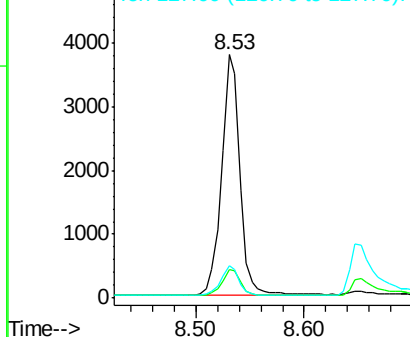
128 100

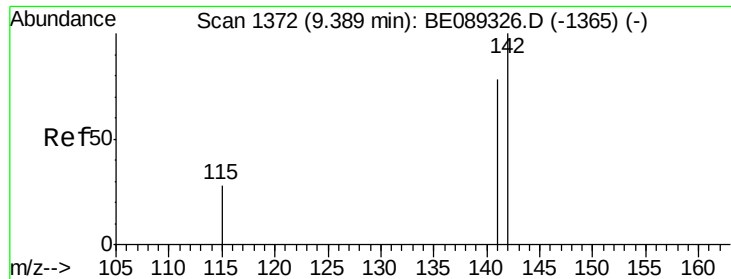
129 11.7 9.1 13.7

127 13.4 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: 0.44 ng/ul

RT: 9.38 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

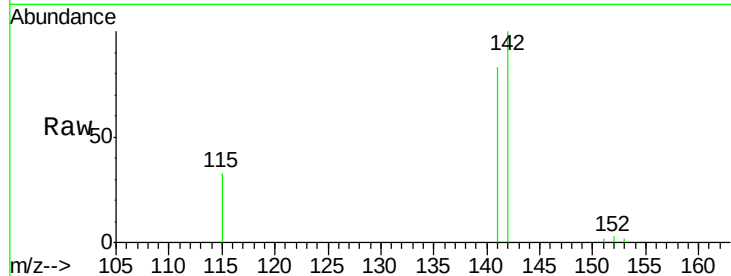
SSTD0.461

Tgt Ion:142 Resp: 2801

Ion Ratio Lower Upper

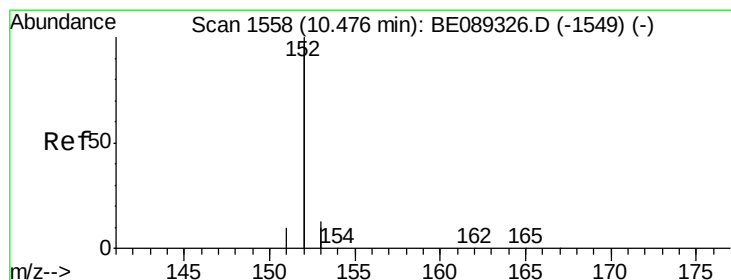
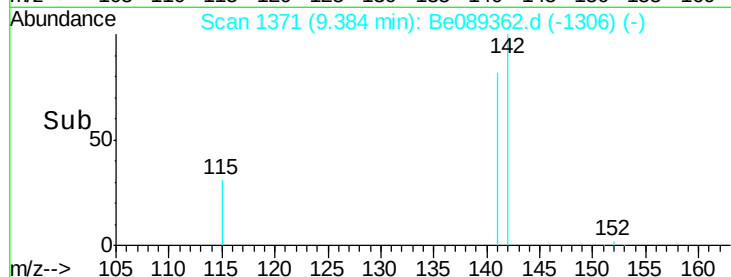
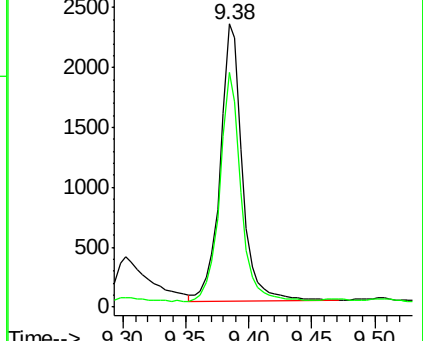
142 100

141 79.0 65.4 98.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.45 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

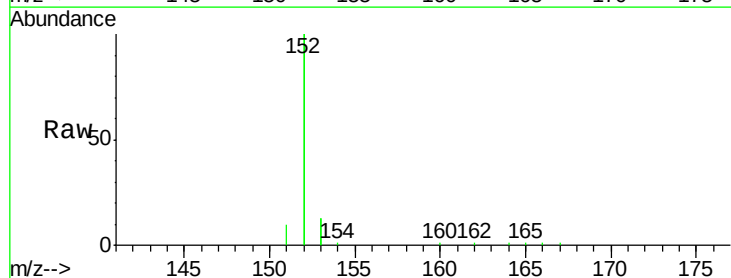
Tgt Ion:152 Resp: 15382

Ion Ratio Lower Upper

152 100

151 5.2 4.0 6.0

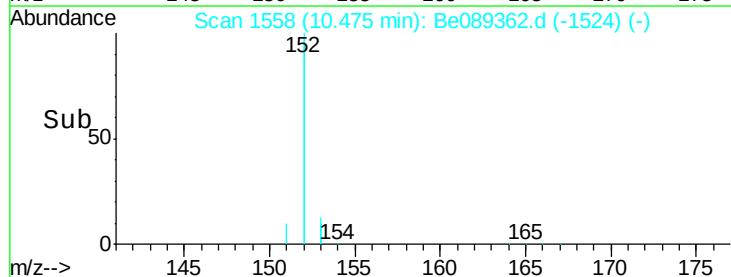
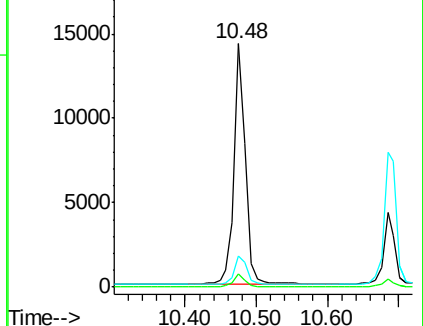
153 12.9 10.1 15.1

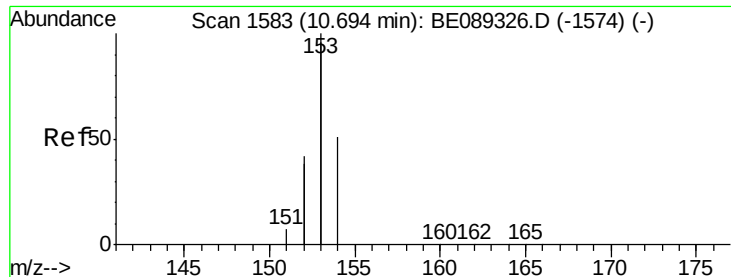


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 10.68 min Scan# 1582

Delta R.T. -0.01 min

Lab File: Be089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

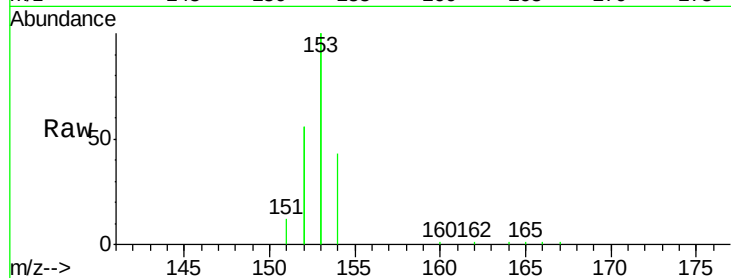
Tgt Ion:153 Resp: 9690

Ion Ratio Lower Upper

153 100

152 56.0 32.6 49.0#

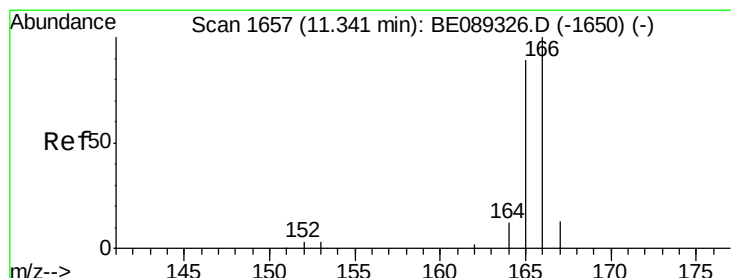
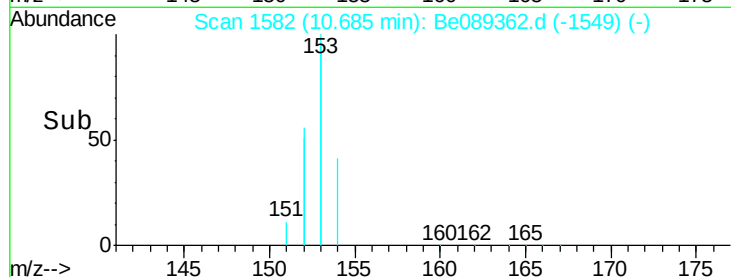
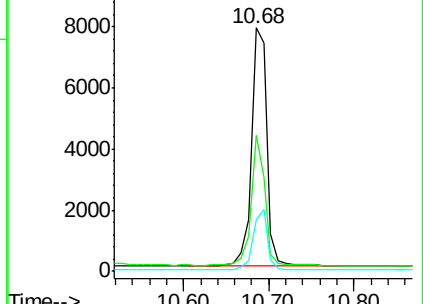
154 21.3 21.8 32.6#



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: 0.42 ng/ul

RT: 11.34 min Scan# 1657

Delta R.T. 0.00 min

Lab File: Be089362.d

Acq: 8 Jan 2015 12:57

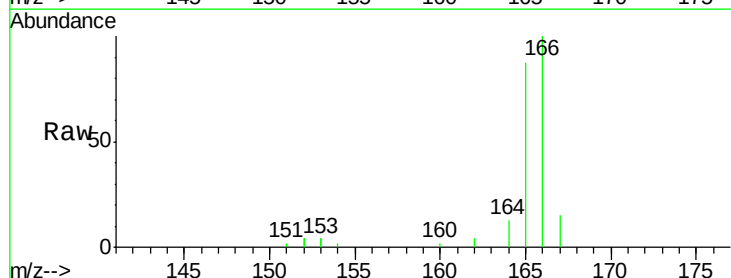
Tgt Ion:166 Resp: 2622

Ion Ratio Lower Upper

166 100

165 86.8 70.3 105.5

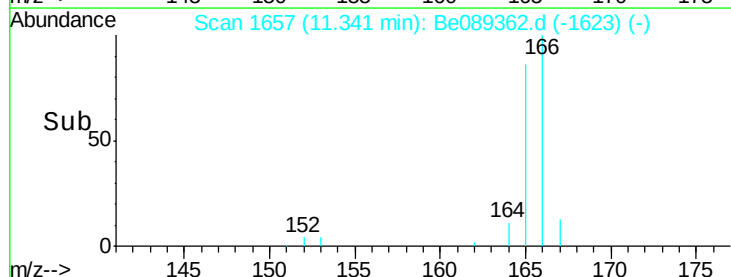
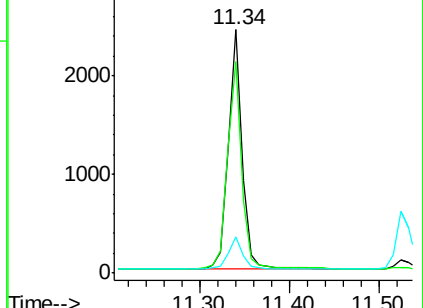
167 15.0 11.5 17.3

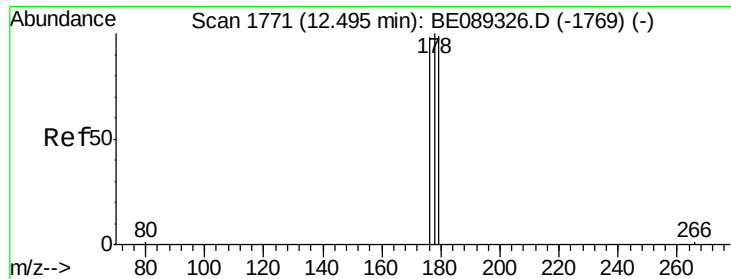


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

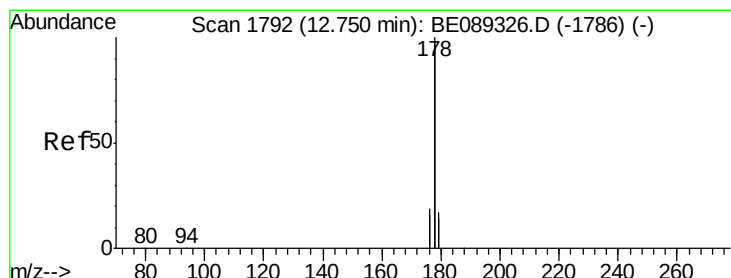
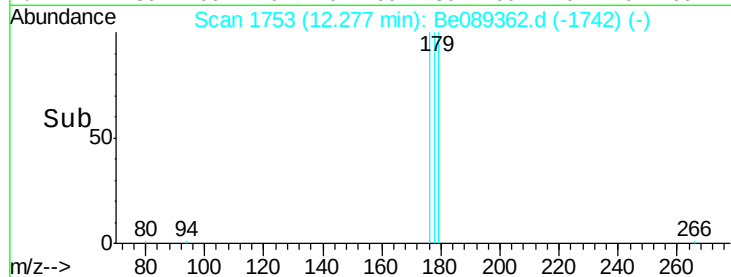
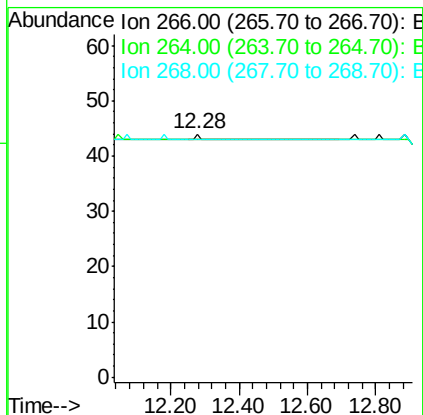
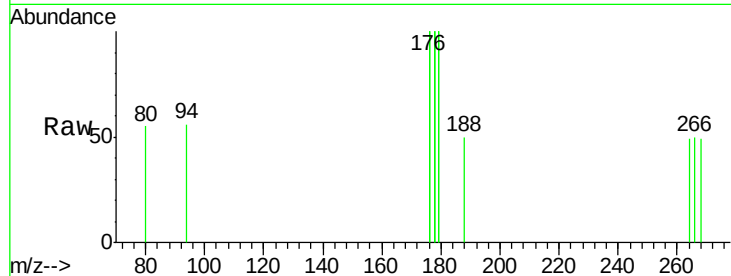




#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 12.28 min Scan# 1753
 Delta R.T. -0.17 min
 Lab File: Be089362.d
 Acq: 8 Jan 2015 12:57

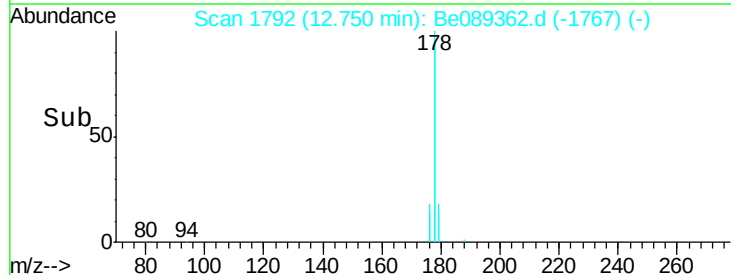
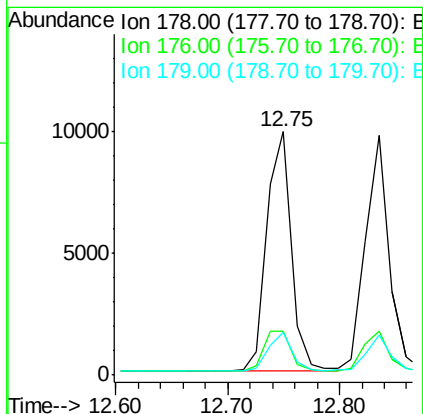
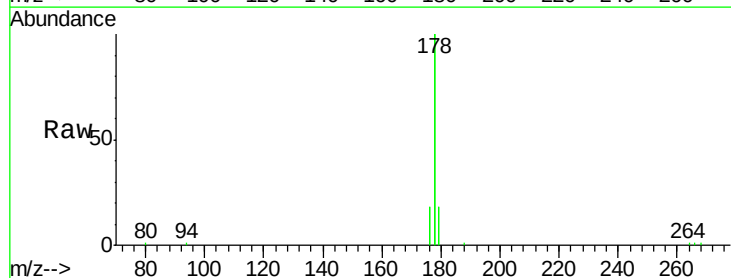
Instrument :
 BNA_E
 LabSampleId :
 SST0.461

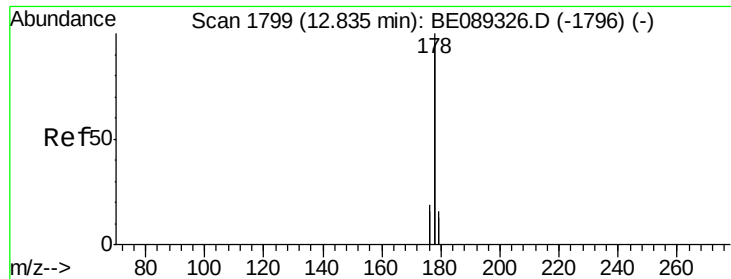
Tgt Ion: 266 Resp: 1
 Ion Ratio Lower Upper
 266 100
 264 0.0 48.7 73.1#
 268 0.0 52.9 79.3#



#14
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 12.75 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: Be089362.d
 Acq: 8 Jan 2015 12:57

Tgt Ion: 178 Resp: 15037
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.3 21.5
 179 17.7 13.8 20.8





#15

Anthracene

Concen: 0.44 ng/ul

RT: 12.83 min Scan# 1799

Delta R.T. 0.00 min

Lab File: Be089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

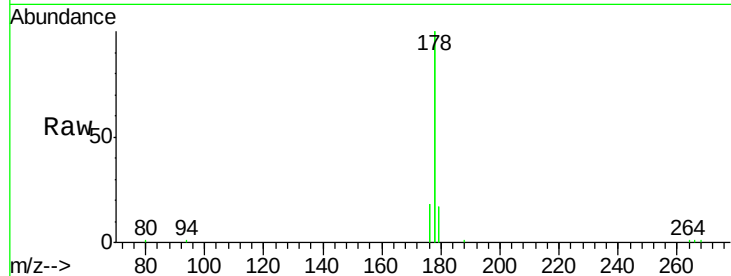
Tgt Ion:178 Resp: 14474

Ion Ratio Lower Upper

178 100

176 18.4 14.7 22.1

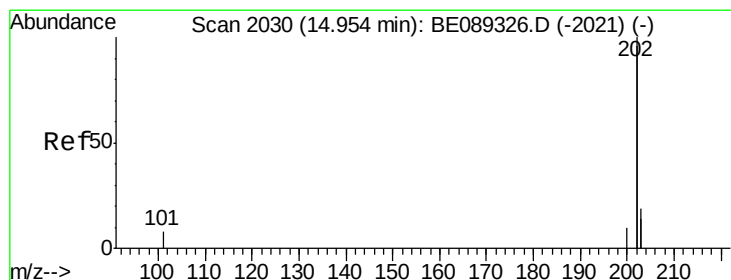
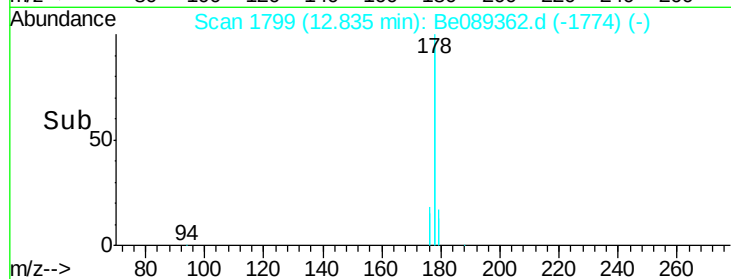
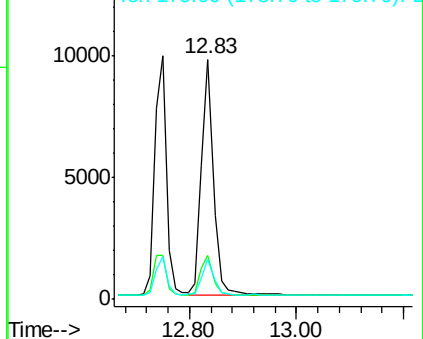
179 16.9 13.4 20.2



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: 0.43 ng/ul

RT: 14.95 min Scan# 2030

Delta R.T. 0.01 min

Lab File: Be089362.d

Acq: 8 Jan 2015 12:57

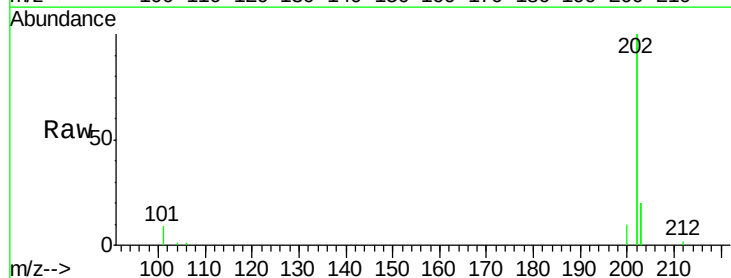
Tgt Ion:202 Resp: 13842

Ion Ratio Lower Upper

202 100

101 4.4 0.0 24.6

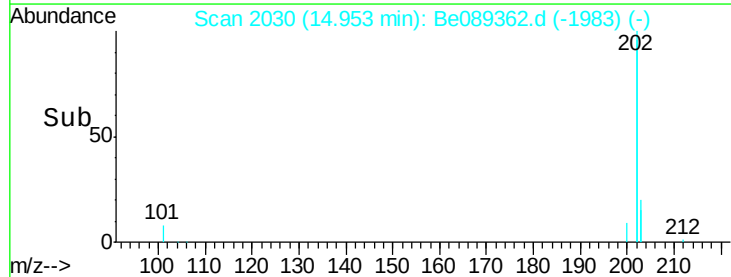
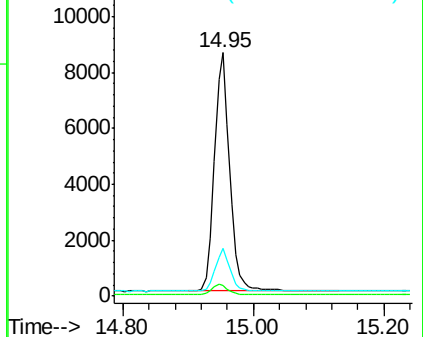
203 19.5 0.0 37.8

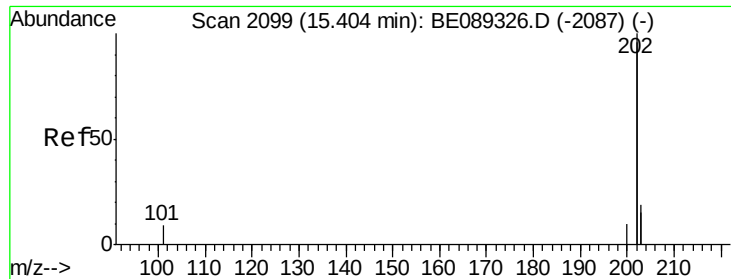


Abundance Ion 202.00 (201.70 to 202.70): E

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. 0.01 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

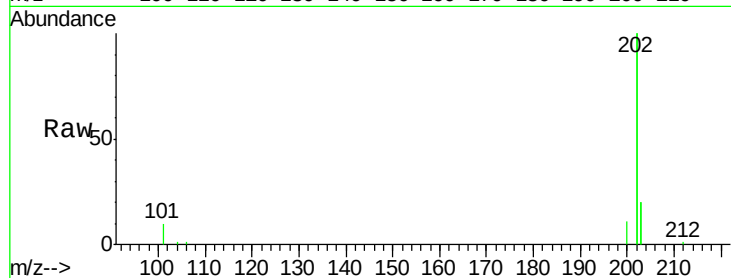
Tgt Ion:202 Resp: 14111

Ion Ratio Lower Upper

202 100

200 5.5 4.2 6.4

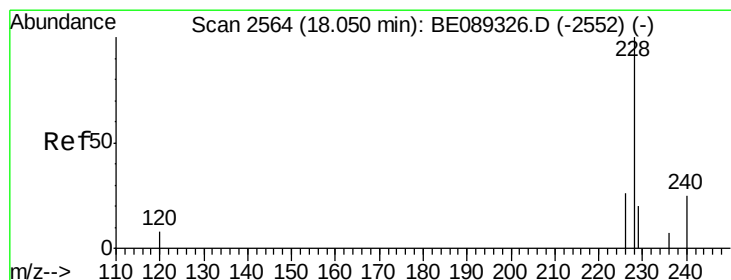
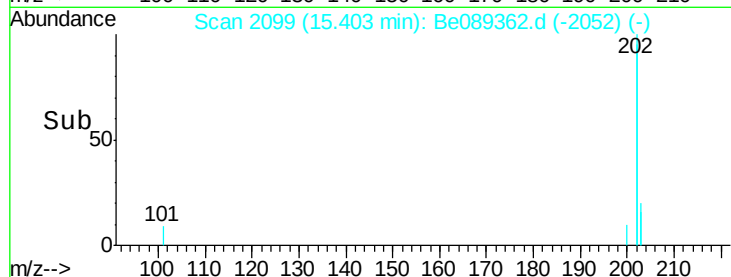
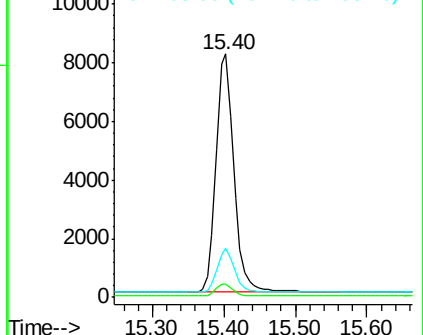
203 20.0 14.4 21.6



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: 0.46 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. 0.00 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

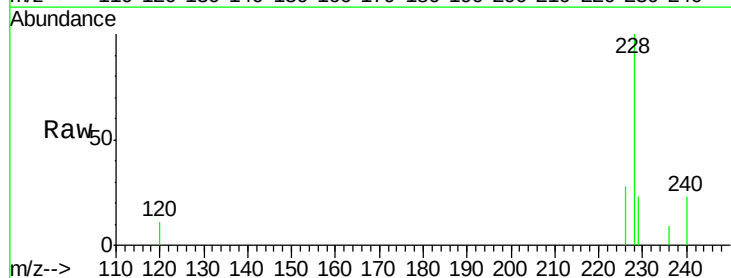
Tgt Ion:228 Resp: 2613

Ion Ratio Lower Upper

228 100

226 28.5 21.9 32.9

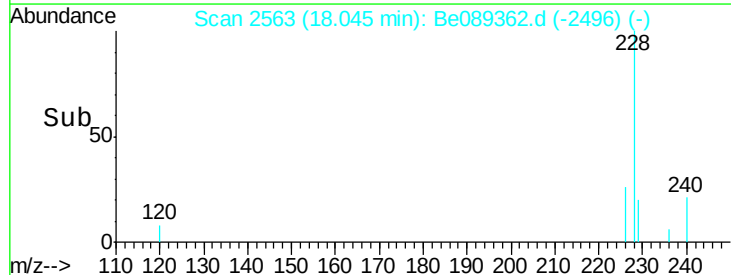
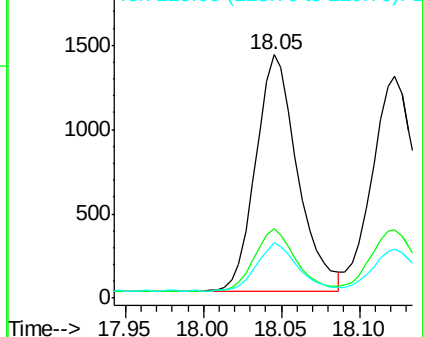
229 22.6 16.9 25.3

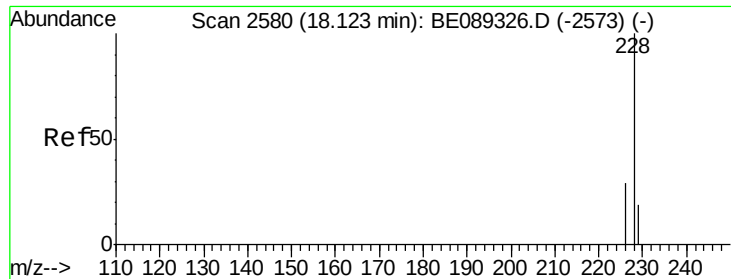


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

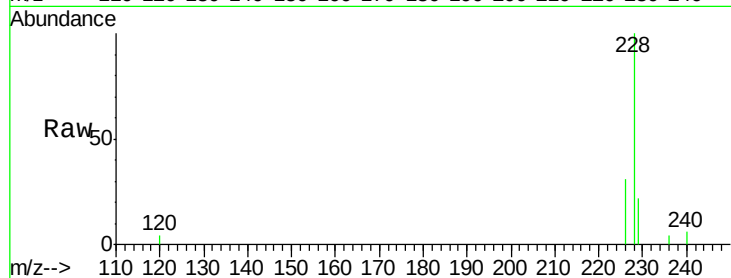
Tgt Ion:228 Resp: 2736

Ion Ratio Lower Upper

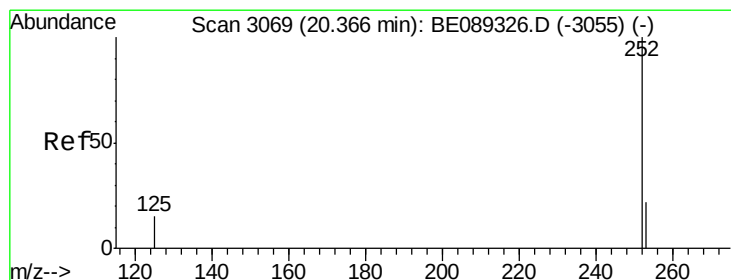
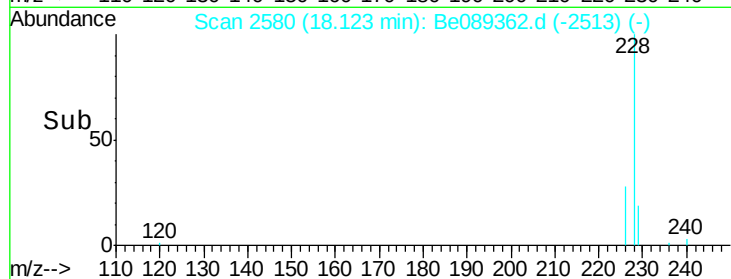
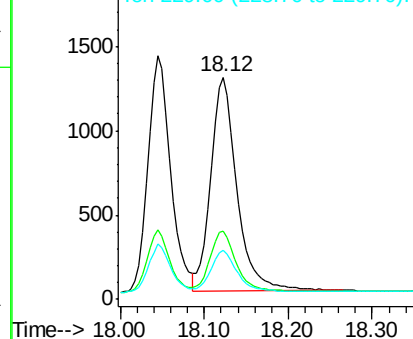
228 100

226 30.5 23.9 35.9

229 22.1 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: 0.37 ng/ul

RT: 20.37 min Scan# 3069

Delta R.T. 0.01 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

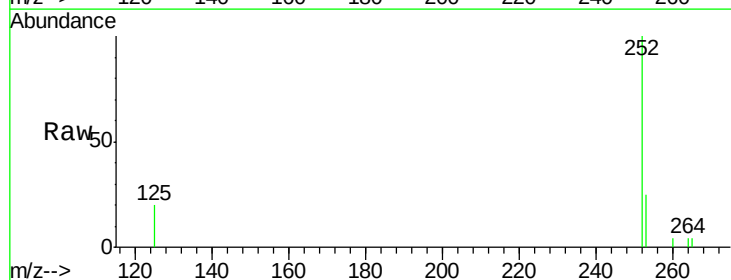
Tgt Ion:252 Resp: 2058

Ion Ratio Lower Upper

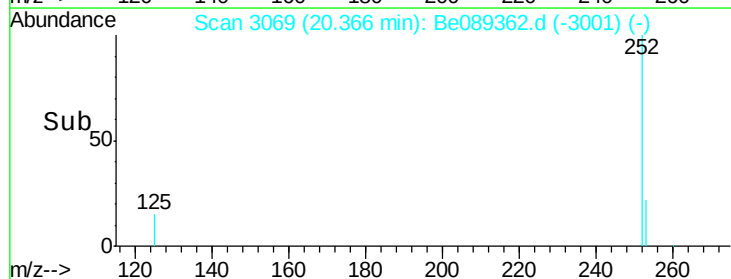
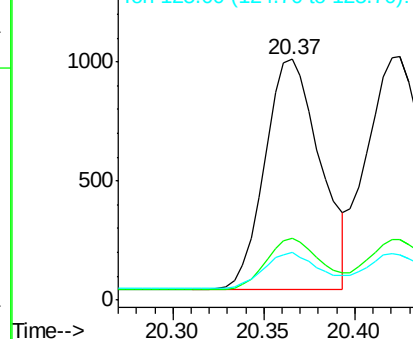
252 100

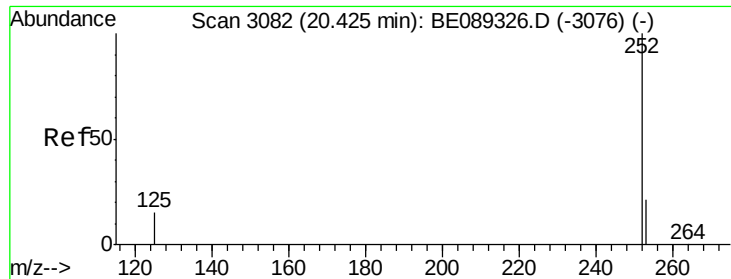
253 25.4 0.0 47.8

125 19.6 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: 0.38 ng/ul

RT: 20.42 min Scan# 3082

Delta R.T. 0.01 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

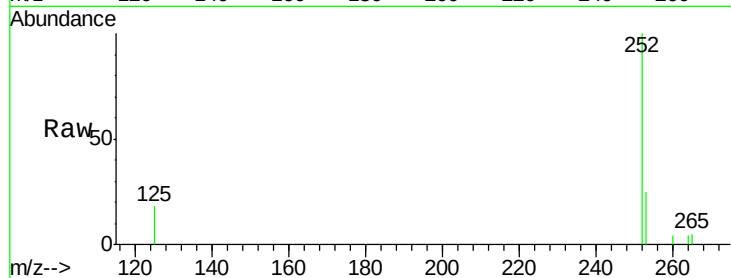
Tgt Ion:252 Resp: 2747

Ion Ratio Lower Upper

252 100

253 24.7 19.0 28.6

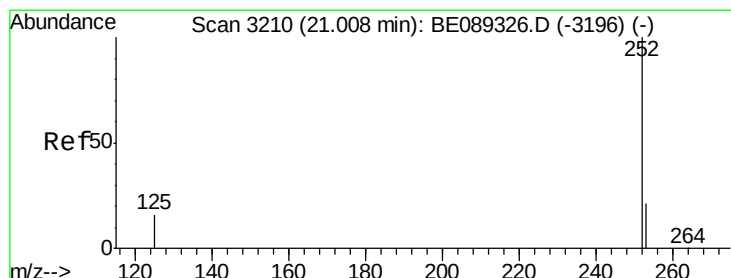
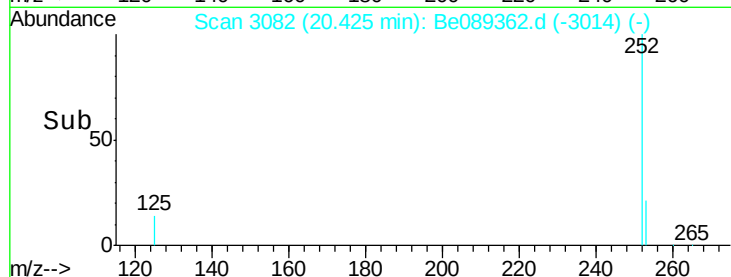
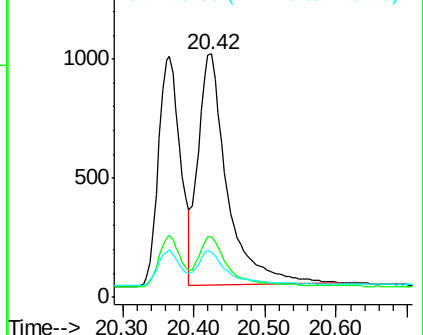
125 18.4 13.5 20.3



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: 0.42 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.01 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

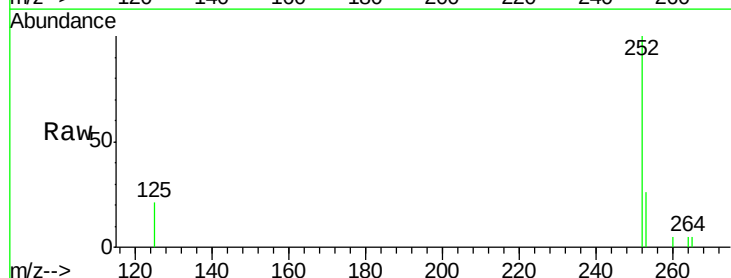
Tgt Ion:252 Resp: 2353

Ion Ratio Lower Upper

252 100

253 25.9 19.7 29.5

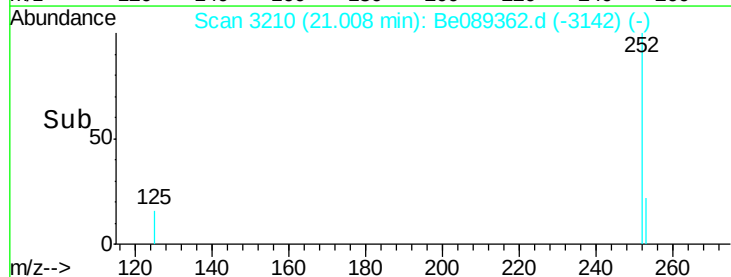
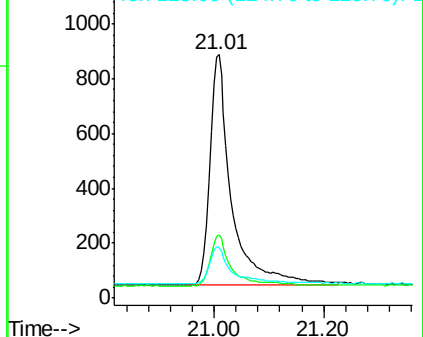
125 20.6 15.0 22.6

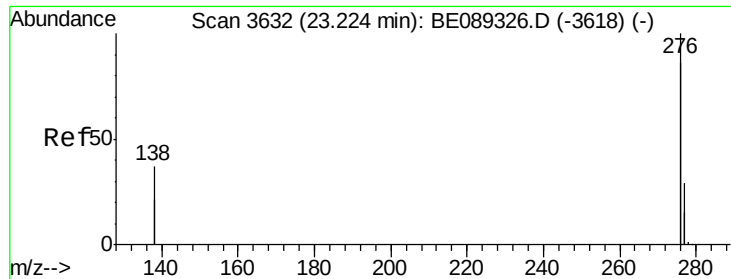


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.41 ng/ul

RT: 23.22 min Scan# 3632

Delta R.T. 0.01 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

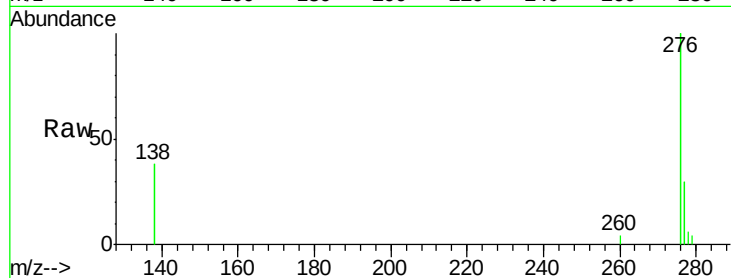
Tgt Ion:276 Resp: 6335

Ion Ratio Lower Upper

276 100

138 30.4 23.8 35.8

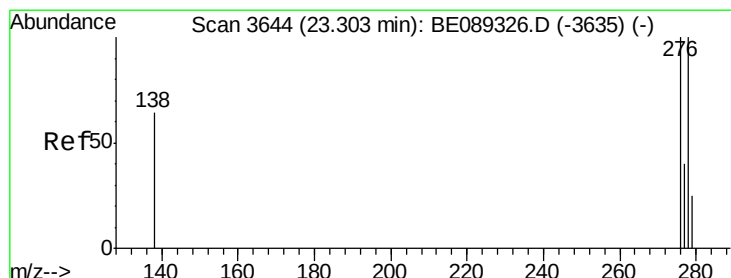
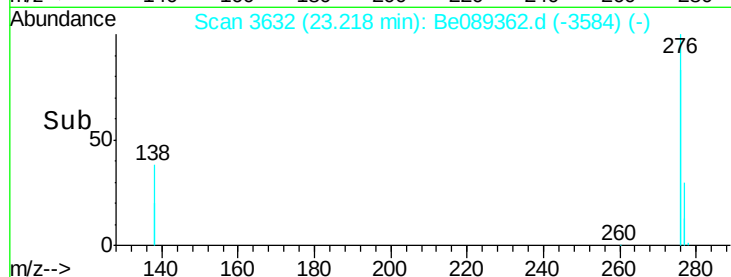
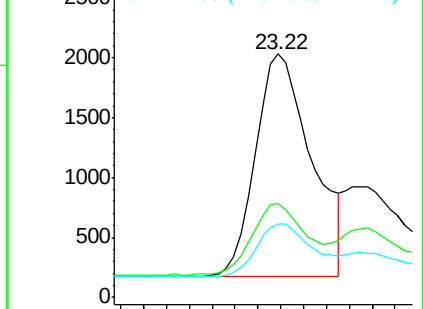
277 24.0 18.9 28.3



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: 0.42 ng/ul

RT: 23.30 min Scan# 3645

Delta R.T. 0.01 min

Lab File: BE089362.d

Acq: 8 Jan 2015 12:57

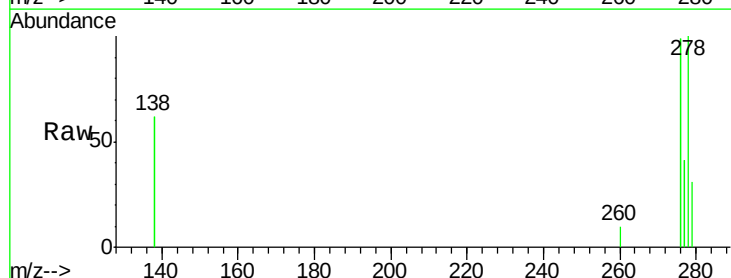
Tgt Ion:278 Resp: 1921

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

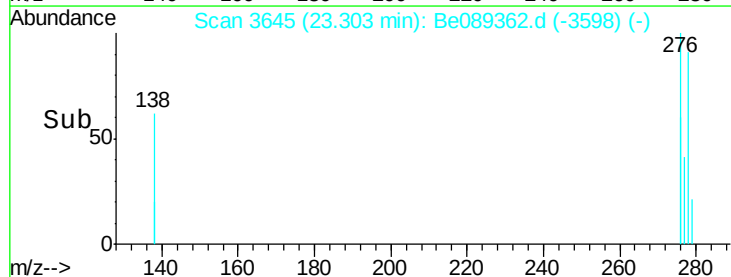
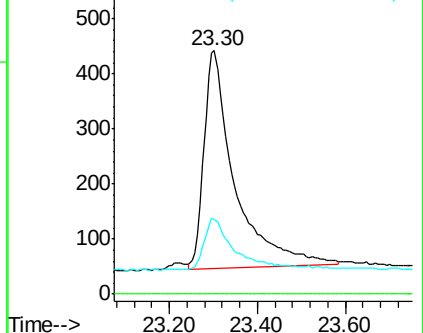
279 30.8 24.0 36.0

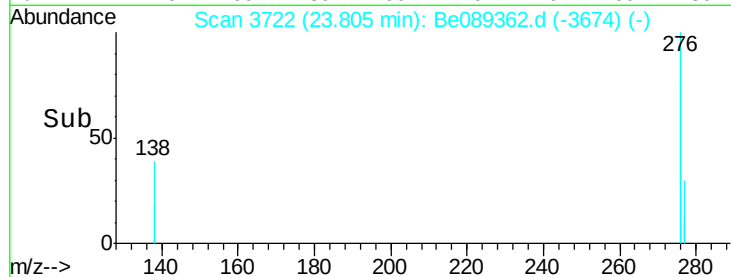
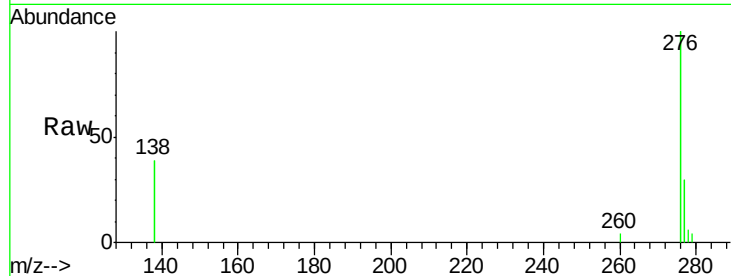
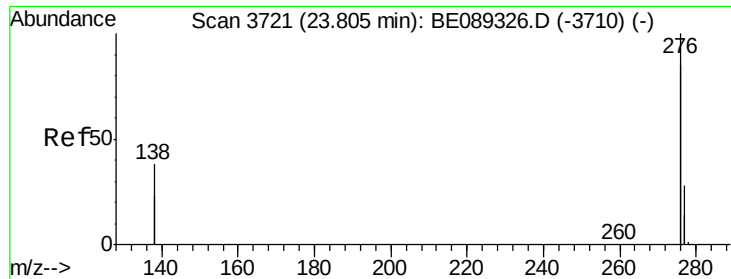


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.43 ng/ul

RT: 23.80 min Scan# 3722

Delta R.T. 0.01 min

Lab File: Be089362.d

Acq: 8 Jan 2015 12:57

Instrument :

BNA_E

LabSampleId :

SSTD0.461

Tgt Ion:276 Resp: 9488

Ion Ratio Lower Upper

276 100

277 29.7 22.3 33.5

138 39.0 30.0 45.0

