

Data Path : Z:\HPCHEM1\BNA_E\Data\BE010715\
 Data File : BE089334.D
 Acq On : 7 Jan 2015 15:43
 Operator : TP/IZ
 Sample : SST00.460
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SST00.460

Quant Time: Jan 08 02:46:19 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 : Thu Jan 08 01:37:38 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	1303	0.40	ng/ul	0.00
4) Naphthalene-d8	8.51	136	5140	0.40	ng/ul	0.00
8) Acenaphthene-d10	10.65	164	2568	0.40	ng/ul	0.00
12) Phenanthrene-d10	12.71	188	3894	0.40	ng/ul	0.00
18) Chrysene-d12	18.06	240	2659	0.40	ng/ul	0.00
22) Perylene-d12	21.12	264	2251	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.12	96	3932	2.01	ng/uL	0.01
6) 2-Methylnaphthalene-d10	9.35	152	2493	0.42	ng/ul	0.00
16) Fluoranthene-d10	14.92	212	2872	0.43	ng/ul	0.00

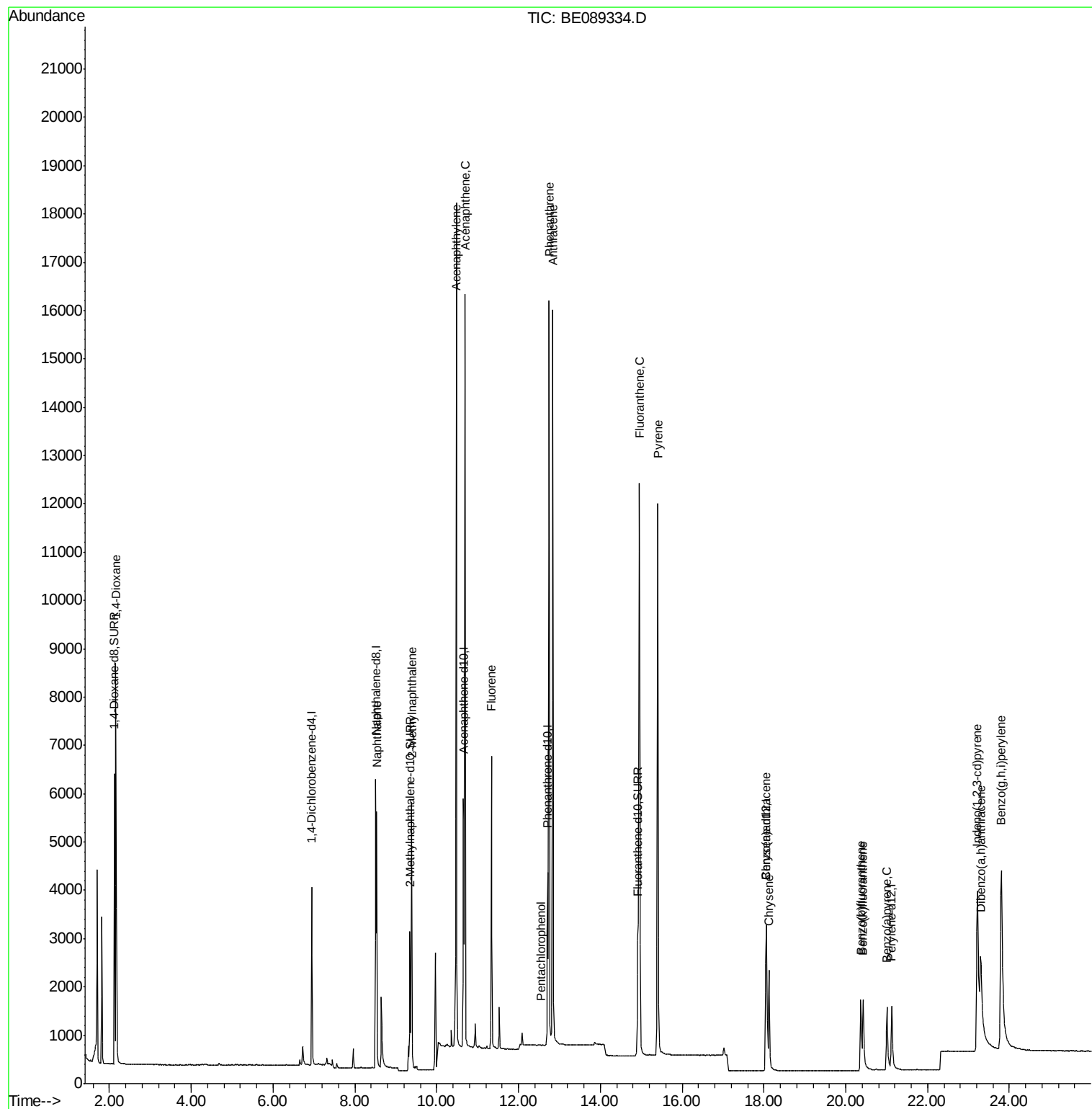
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.16	88	4365	2.00	ng/ul	99
5) Naphthalene	8.53	128	5061	0.41	ng/ul	99
7) 2-Methylnaphthalene	9.38	142	3231	0.43	ng/ul	99
9) Acenaphthylene	10.48	152	17854	0.44	ng/ul	99
10) Acenaphthene	10.69	153	11273	0.41	ng/ul	97
11) Fluorene	11.34	166	3081	0.42	ng/ul	99
13) Pentachlorophenol	12.56	266	6	0.01	ng/ul#	18
14) Phenanthrene	12.75	178	17000	0.41	ng/ul	99
15) Anthracene	12.84	178	16553	0.44	ng/ul	100
17) Fluoranthene	14.95	202	15241	0.41	ng/ul	98
19) Pyrene	15.40	202	15533	0.45	ng/ul	98
20) Benzo(a)anthracene	18.05	228	2814	0.47	ng/ul	99
21) Chrysene	18.12	228	2866	0.39	ng/ul	98
23) Benzo(b)fluoranthene	20.37	252	2204	0.38	ng/ul	98
24) Benzo(k)fluoranthene	20.43	252	2819	0.38	ng/ul	97
25) Benzo(a)pyrene	21.01	252	2482	0.43	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	23.22	276	6931	0.44	ng/ul	99
27) Dibenzo(a,h)anthracene	23.30	278	2024	0.43	ng/ul	100
28) Benzo(g,h,i)perylene	23.80	276	9922	0.43	ng/ul	97

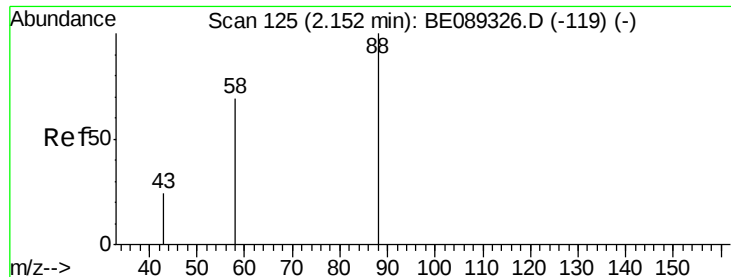
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.00 ng/ul

RT: 2.16 min Scan# 126

Delta R.T. 0.01 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

SSTD0.460

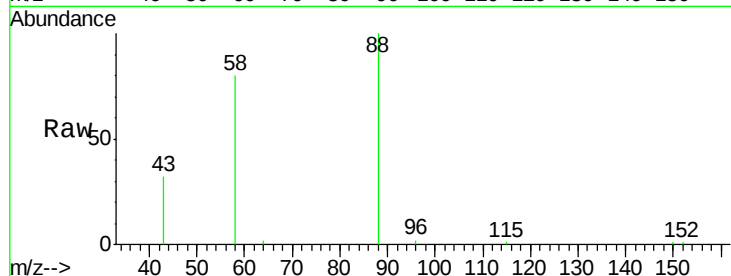
Tgt Ion: 88 Resp: 4365

Ion Ratio Lower Upper

88 100

58 76.5 61.5 92.3

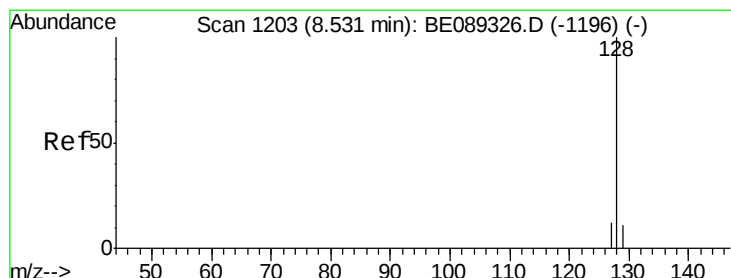
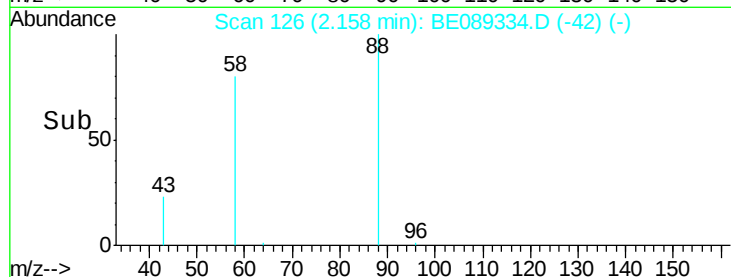
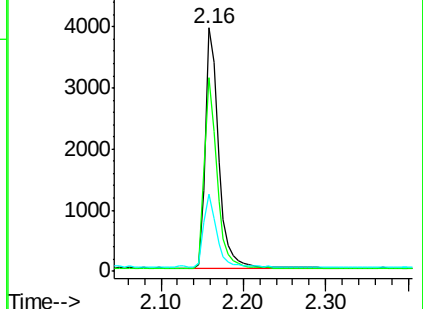
43 29.0 23.9 35.9



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: BE089334.D

Acq: 7 Jan 2015 15:43

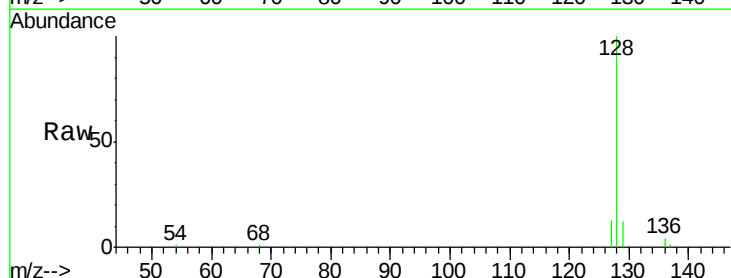
Tgt Ion: 128 Resp: 5061

Ion Ratio Lower Upper

128 100

129 11.7 9.1 13.7

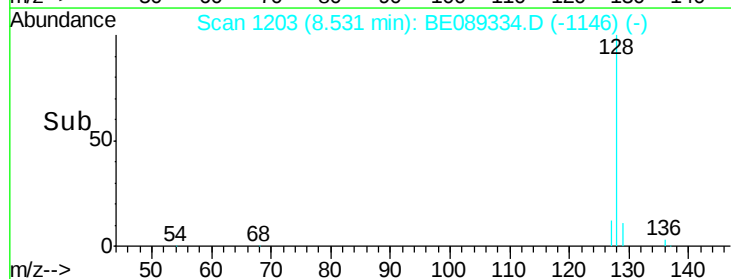
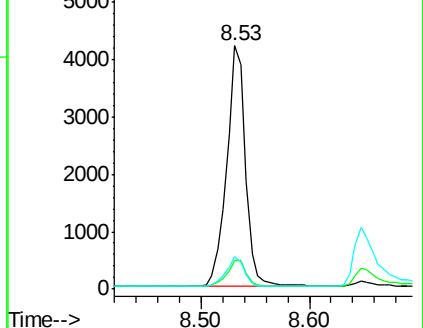
127 13.3 10.0 15.0

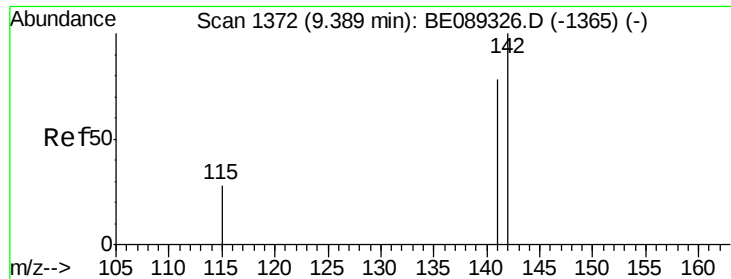


Abundance Ion 128.00 (127.70 to 128.70): E

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: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

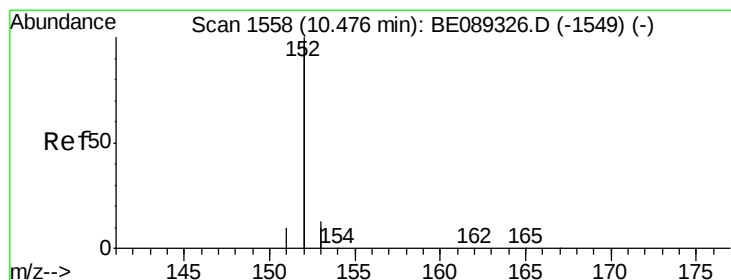
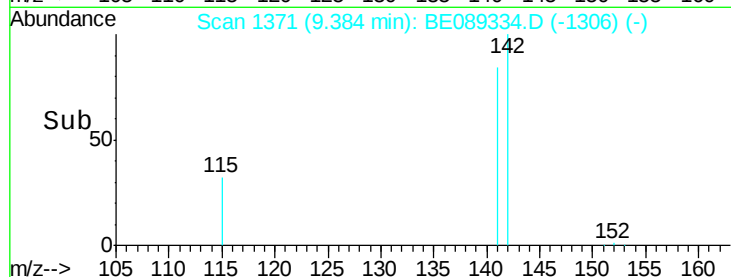
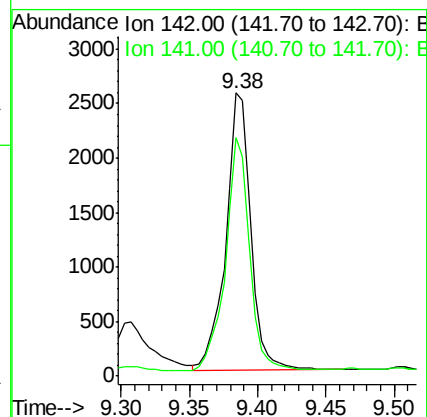
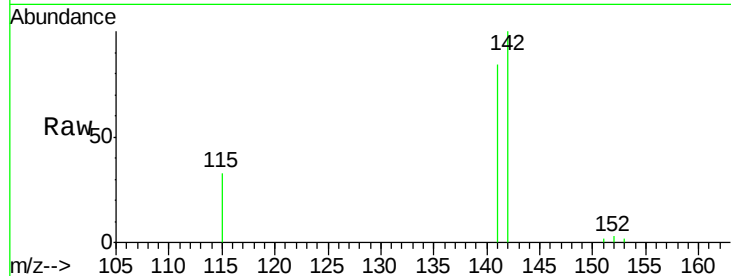
SSTD0.460

Tgt Ion:142 Resp: 3231

Ion Ratio Lower Upper

142 100

141 80.6 65.4 98.0



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 10.48 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

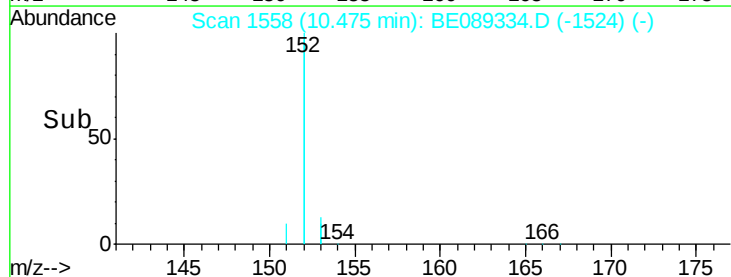
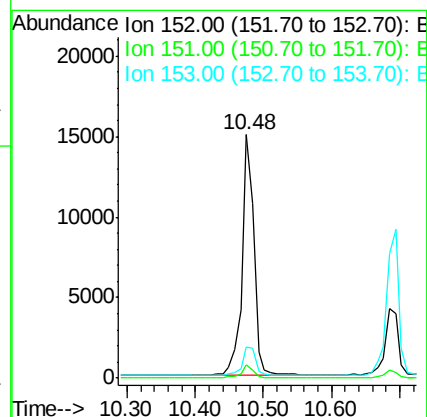
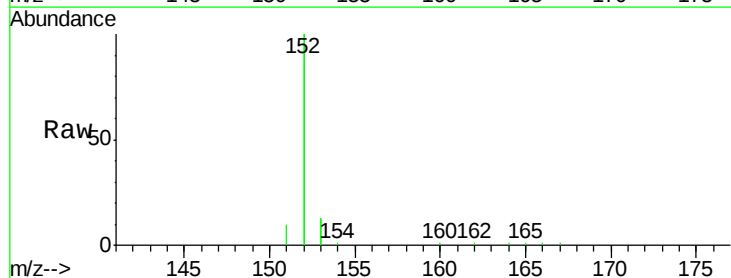
Tgt Ion:152 Resp: 17854

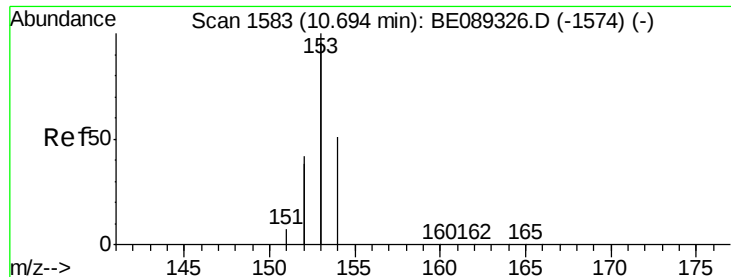
Ion Ratio Lower Upper

152 100

151 5.2 4.0 6.0

153 12.9 10.1 15.1





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 10.69 min Scan# 1583

Delta R.T. -0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

SSTD0.460

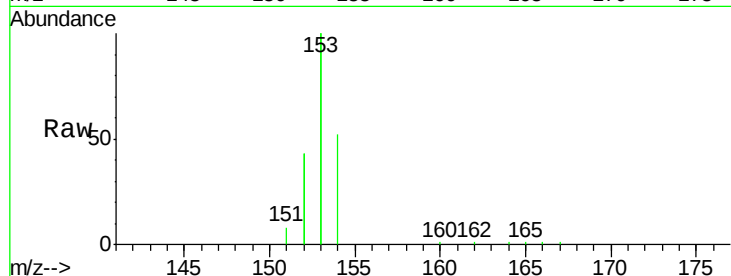
Tgt Ion:153 Resp: 11273

Ion Ratio Lower Upper

153 100

152 42.9 32.6 49.0

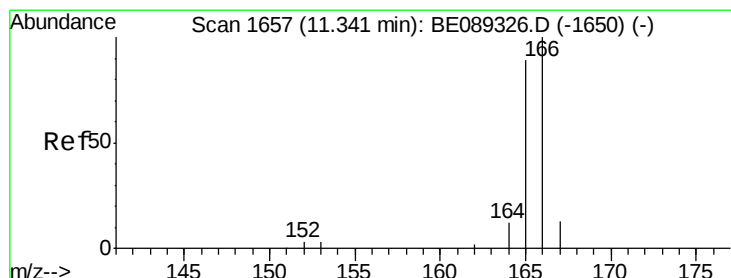
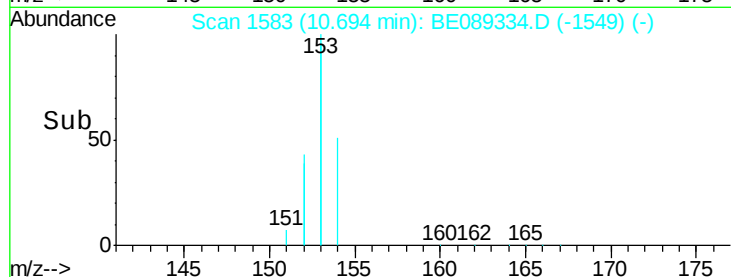
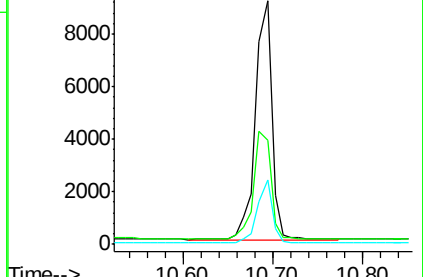
154 26.2 21.8 32.6



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: BE089334.D

Acq: 7 Jan 2015 15:43

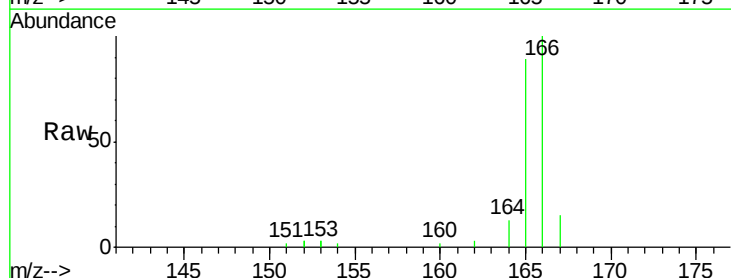
Tgt Ion:166 Resp: 3081

Ion Ratio Lower Upper

166 100

165 88.5 70.3 105.5

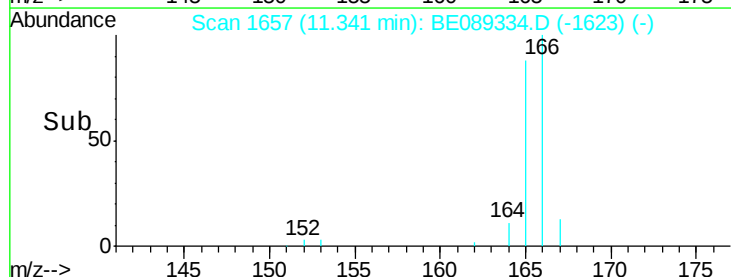
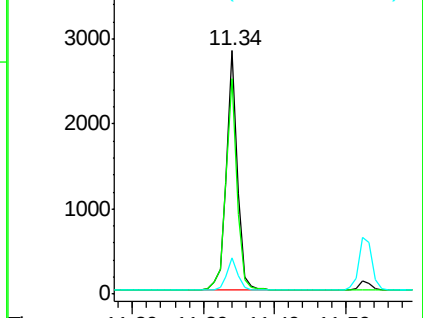
167 14.8 11.5 17.3

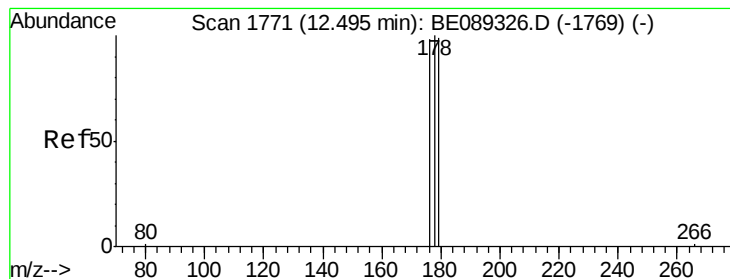


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Pentachlorophenol

Concen: 0.01 ng/ul

RT: 12.56 min Scan# 1776

Delta R.T. 0.06 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

SSTD0.460

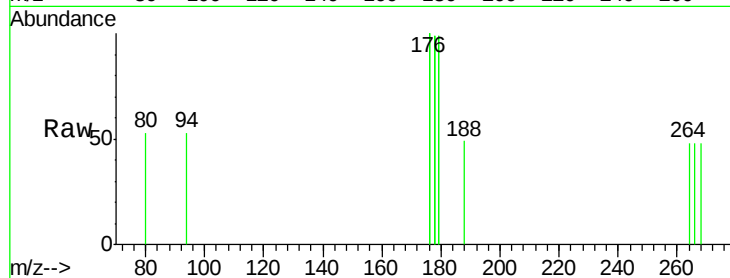
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

266 100

264 0.0 48.7 73.1#

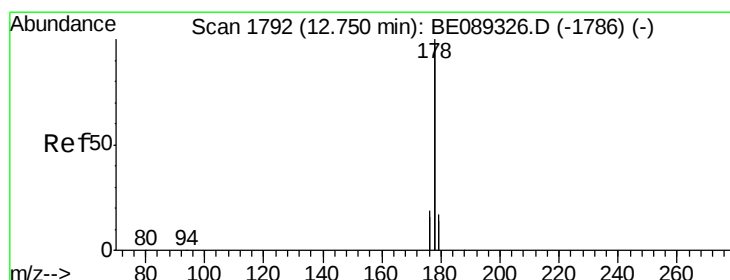
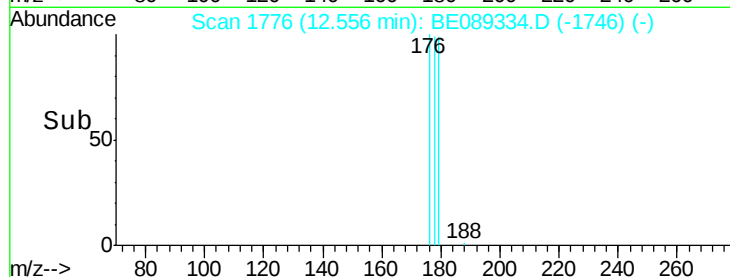
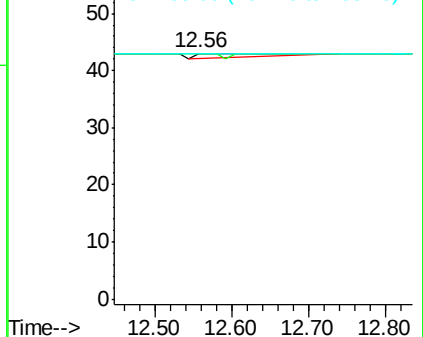
268 0.0 52.9 79.3#



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: 0.41 ng/ul

RT: 12.75 min Scan# 1792

Delta R.T. 0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

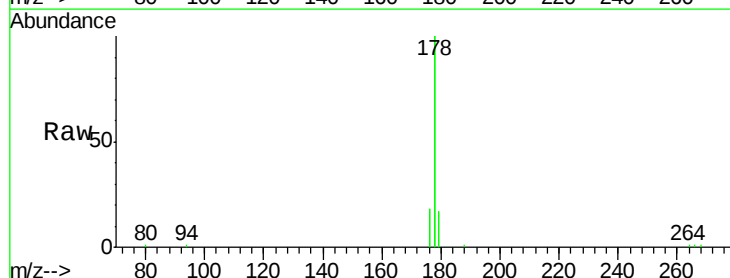
Tgt Ion:178 Resp: 17000

Ion Ratio Lower Upper

178 100

176 18.3 14.3 21.5

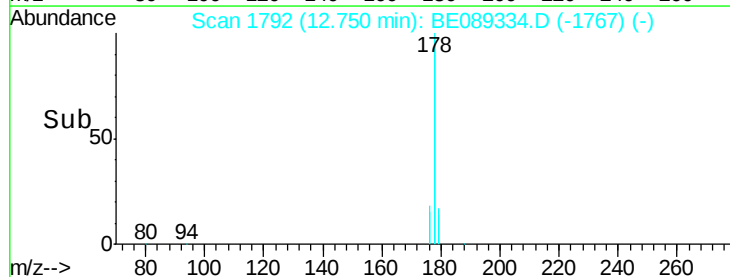
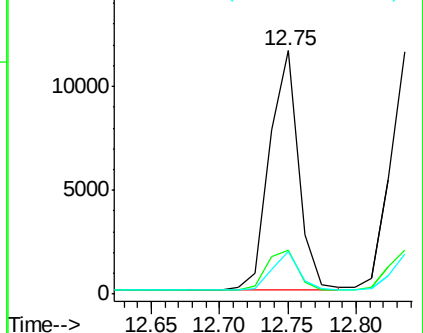
179 17.4 13.8 20.8

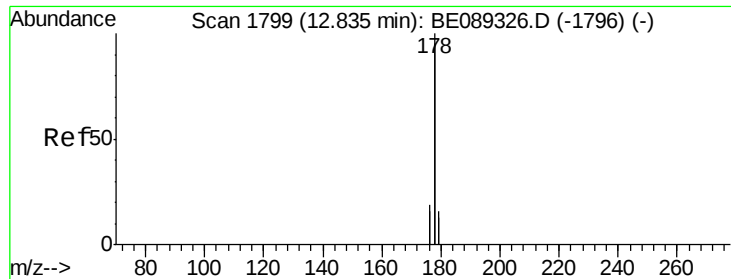


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.44 ng/ul

RT: 12.84 min Scan# 1799

Delta R.T. 0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

SSTD0.460

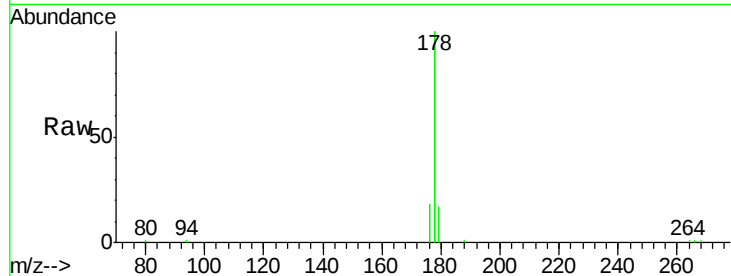
Tgt Ion:178 Resp: 16553

Ion Ratio Lower Upper

178 100

176 18.1 14.7 22.1

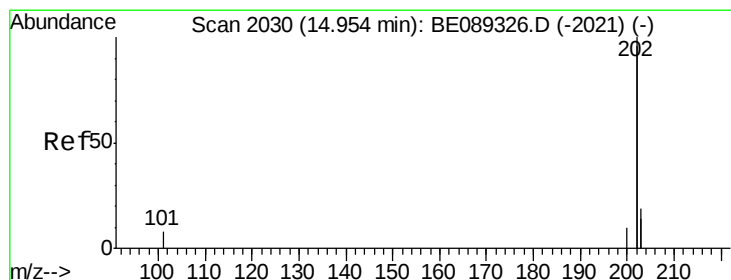
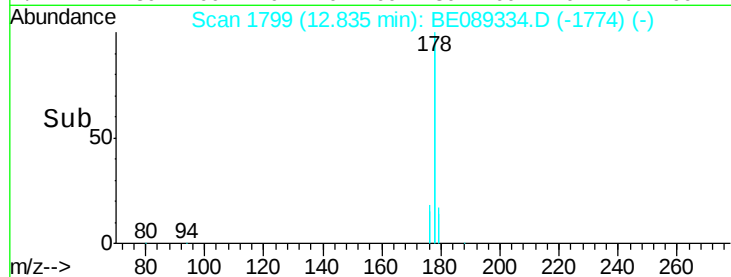
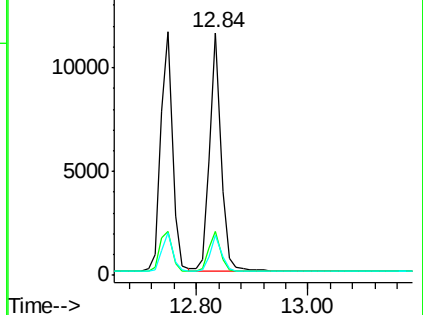
179 16.7 13.4 20.2



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: BE089334.D

Acq: 7 Jan 2015 15:43

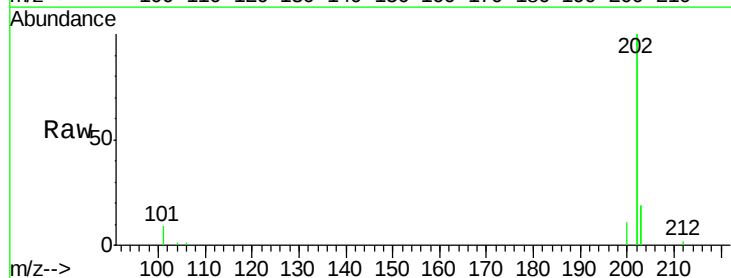
Tgt Ion:202 Resp: 15241

Ion Ratio Lower Upper

202 100

101 4.4 0.0 24.6

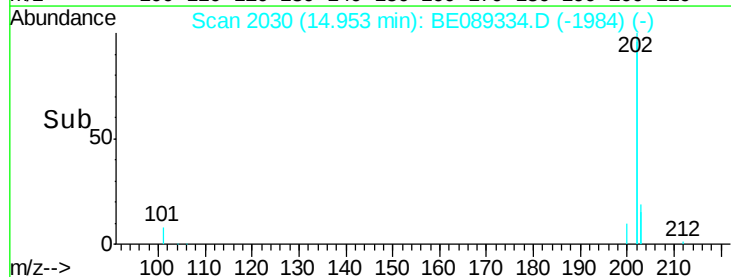
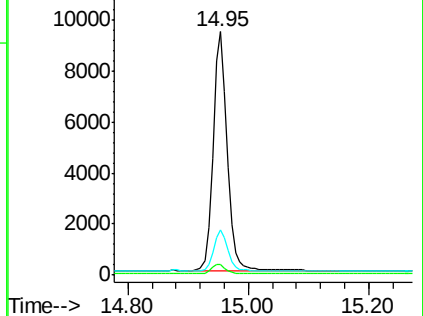
203 18.6 0.0 37.8

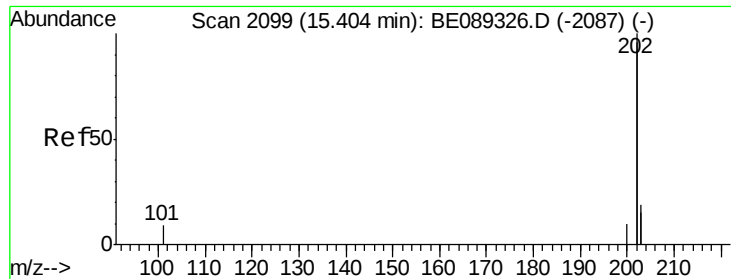


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.45 ng/ul

RT: 15.40 min Scan# 2099

Delta R.T. -0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

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LabSampleId :

SSTD0.460

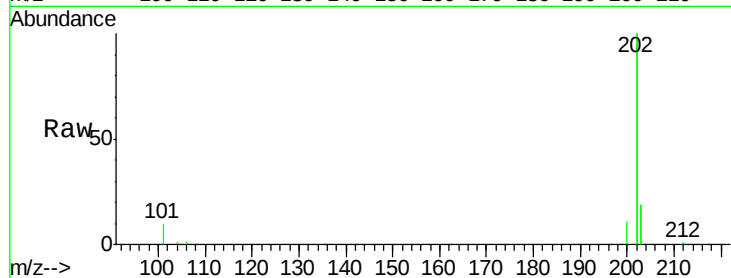
Tgt Ion:202 Resp: 15533

Ion Ratio Lower Upper

202 100

200 5.4 4.2 6.4

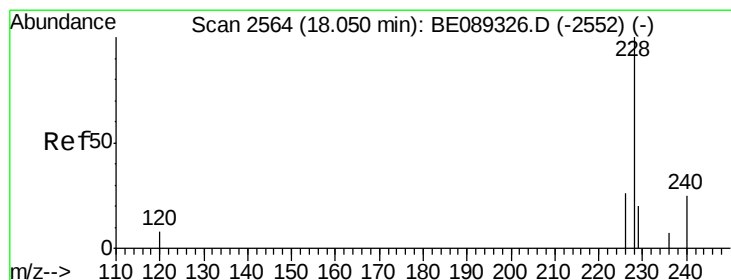
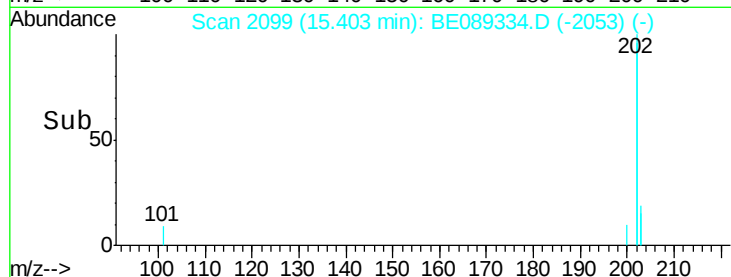
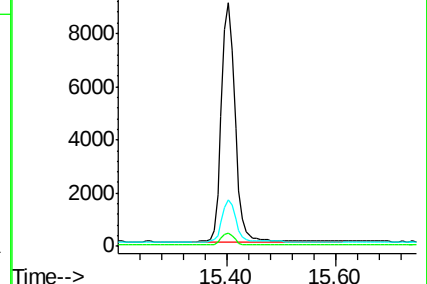
203 19.2 14.4 21.6



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: 0.47 ng/ul

RT: 18.05 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

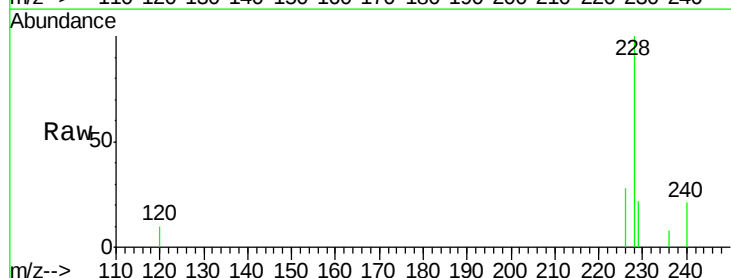
Tgt Ion:228 Resp: 2814

Ion Ratio Lower Upper

228 100

226 28.0 21.9 32.9

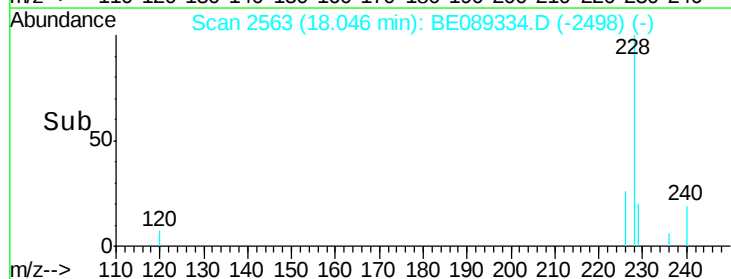
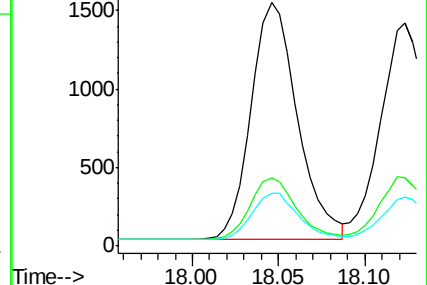
229 21.8 16.9 25.3

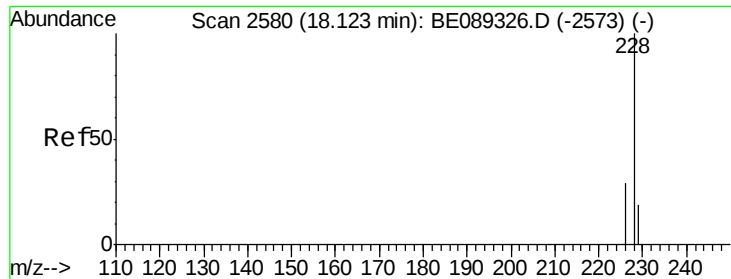


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.39 ng/ul

RT: 18.12 min Scan# 2580

Delta R.T. 0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

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SSTD0.460

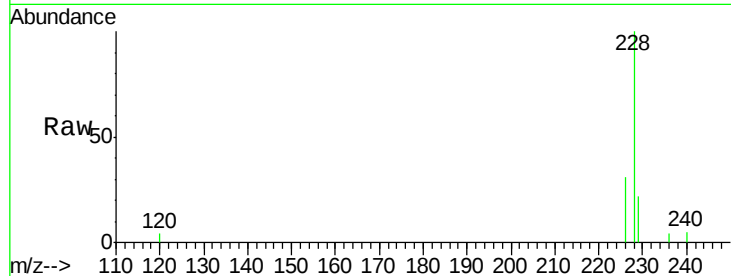
Tgt Ion:228 Resp: 2866

Ion Ratio Lower Upper

228 100

226 30.9 23.9 35.9

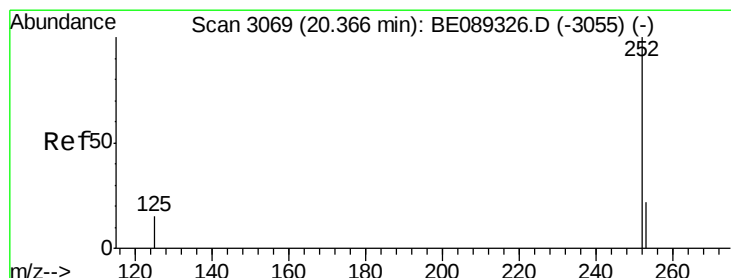
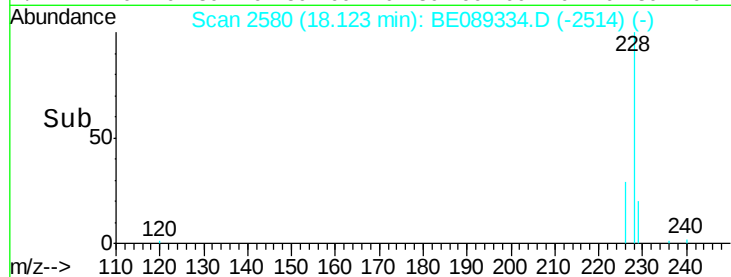
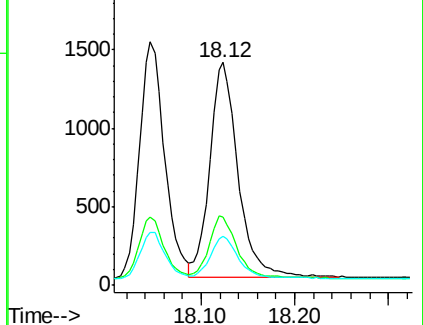
229 22.0 16.8 25.2



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: 0.38 ng/ul

RT: 20.37 min Scan# 3069

Delta R.T. 0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

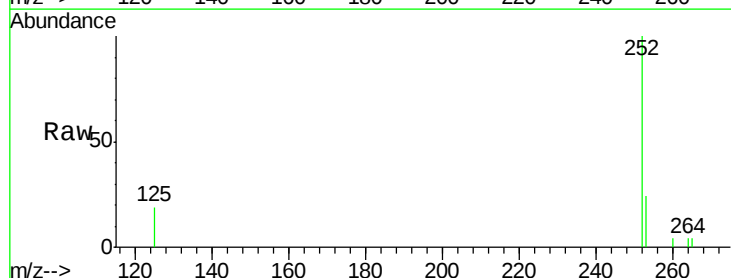
Tgt Ion:252 Resp: 2204

Ion Ratio Lower Upper

252 100

253 24.5 0.0 47.8

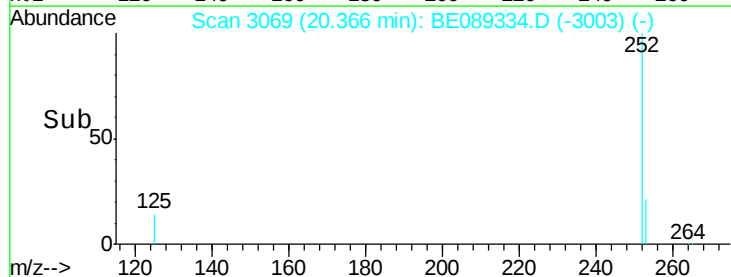
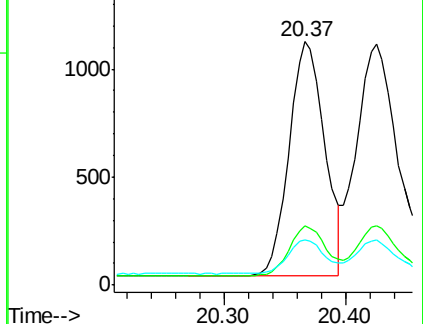
125 18.5 0.0 34.2

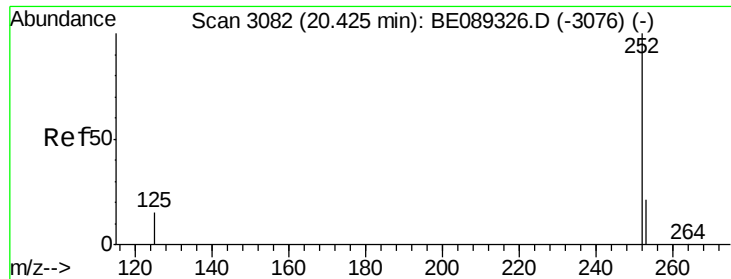


Abundance Ion 252.00 (251.70 to 252.70): E

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: 20.43 min Scan# 3082

Delta R.T. 0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

SSTD0.460

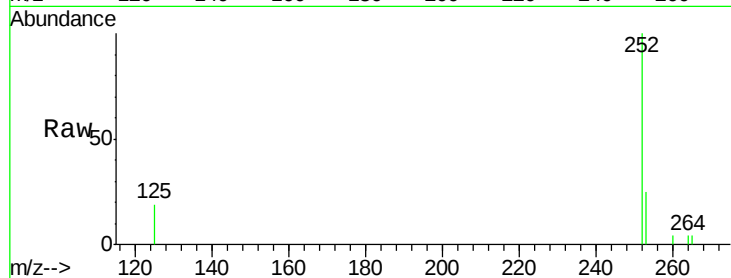
Tgt Ion:252 Resp: 2819

Ion Ratio Lower Upper

252 100

253 24.7 19.0 28.6

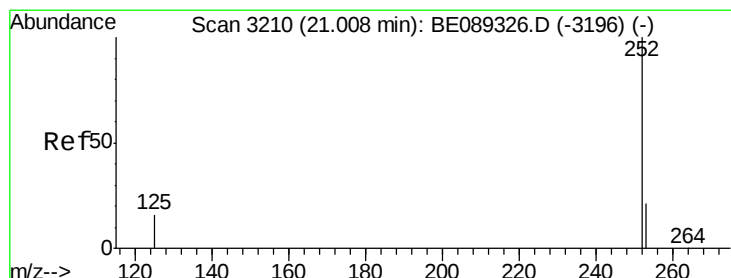
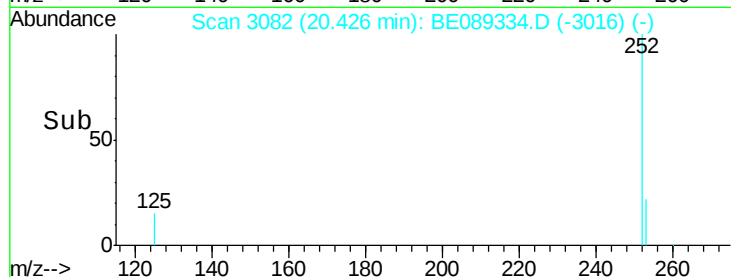
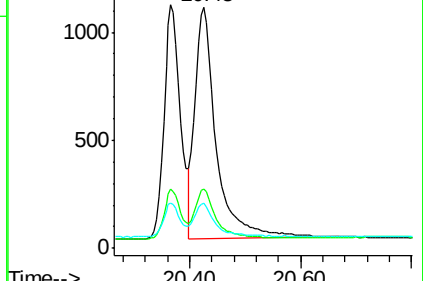
125 18.7 13.5 20.3



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: 0.43 ng/ul

RT: 21.01 min Scan# 3210

Delta R.T. 0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

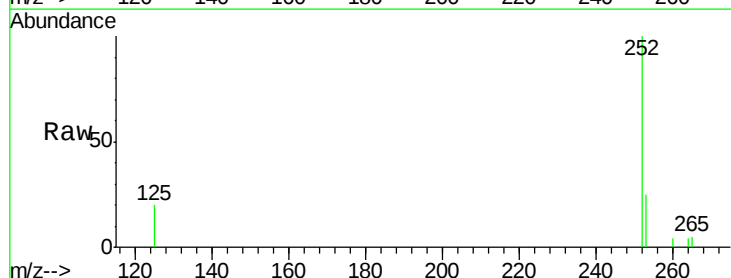
Tgt Ion:252 Resp: 2482

Ion Ratio Lower Upper

252 100

253 25.4 19.7 29.5

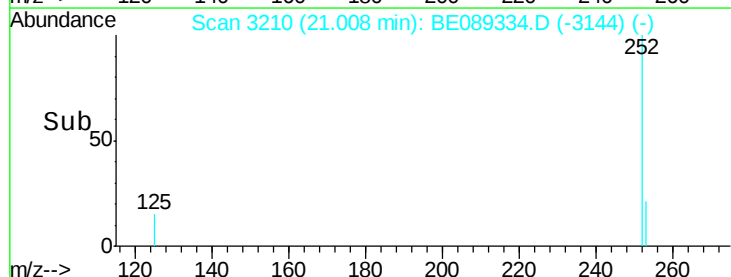
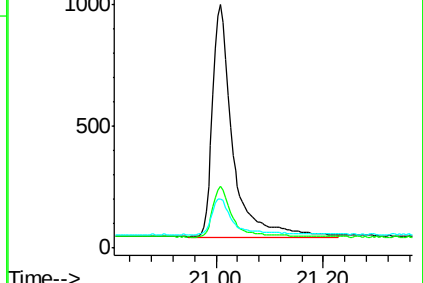
125 20.1 15.0 22.6

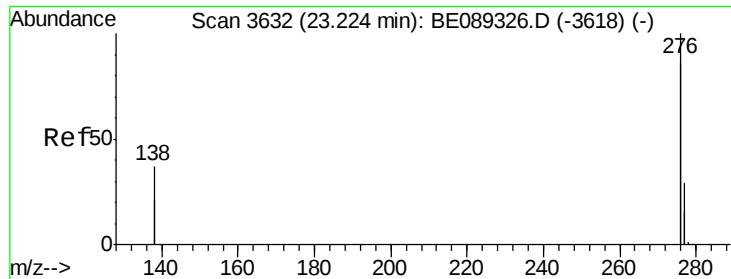


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.44 ng/ul

RT: 23.22 min Scan# 3631

Delta R.T. -0.01 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

SSTD0.460

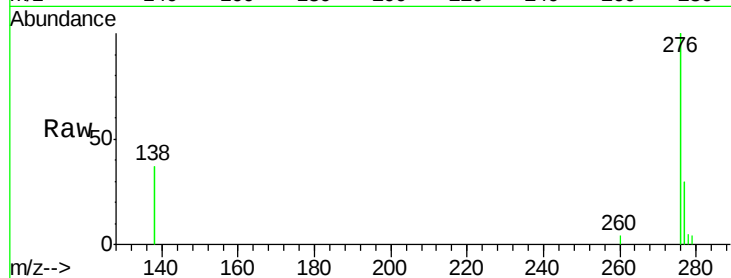
Tgt Ion: 276 Resp: 6931

Ion Ratio Lower Upper

276 100

138 31.0 23.8 35.8

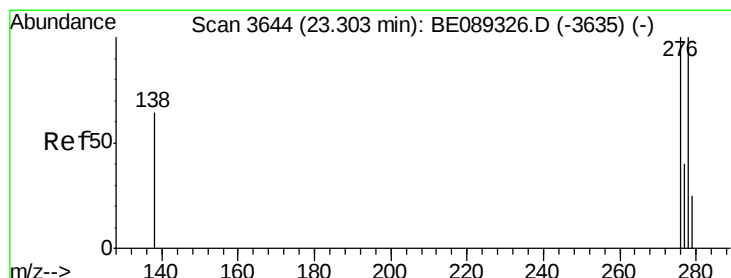
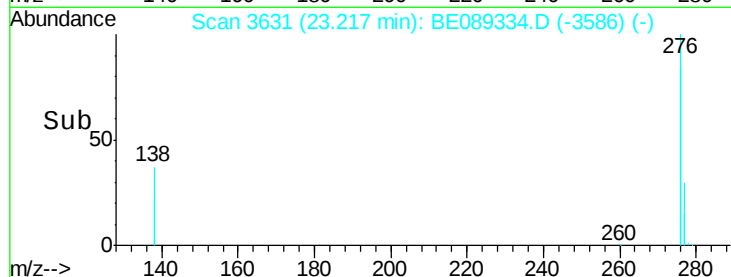
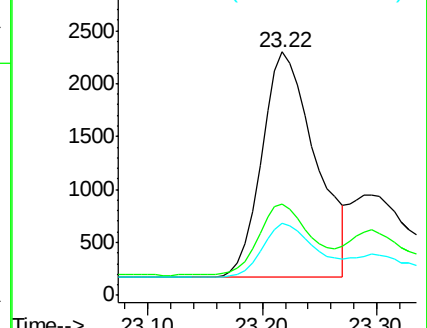
277 23.6 18.9 28.3



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: 0.43 ng/ul

RT: 23.30 min Scan# 3644

Delta R.T. -0.00 min

Lab File: BE089334.D

Acq: 7 Jan 2015 15:43

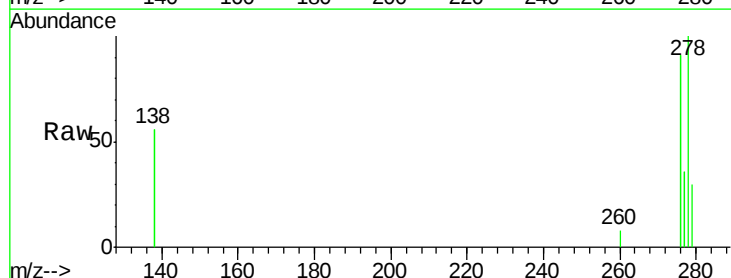
Tgt Ion: 278 Resp: 2024

Ion Ratio Lower Upper

278 100

139 0.0 0.0 0.0

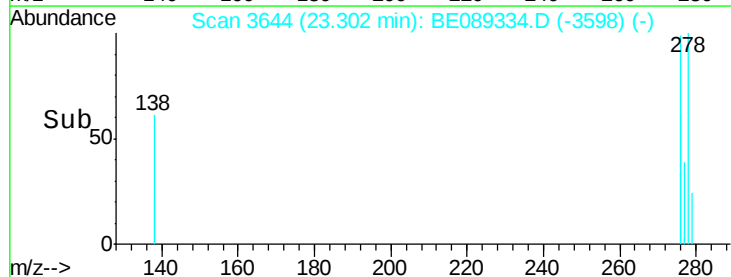
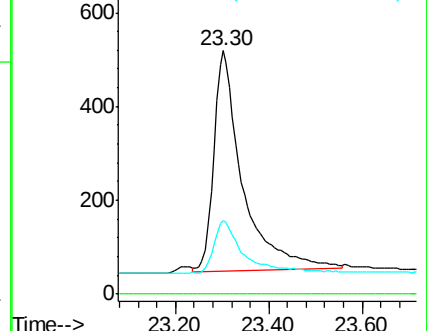
279 30.3 24.0 36.0

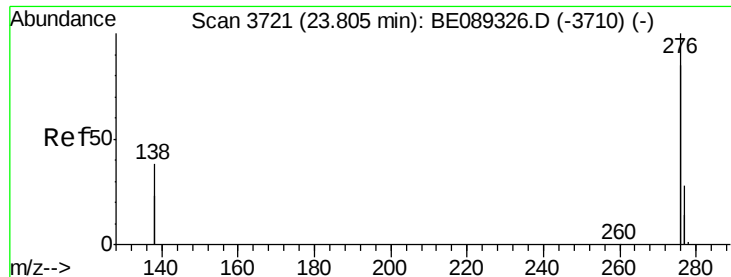


Abundance Ion 278.00 (277.70 to 278.70): E

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# 3720

Delta R.T. -0.01 min

Lab File: BE089334.D

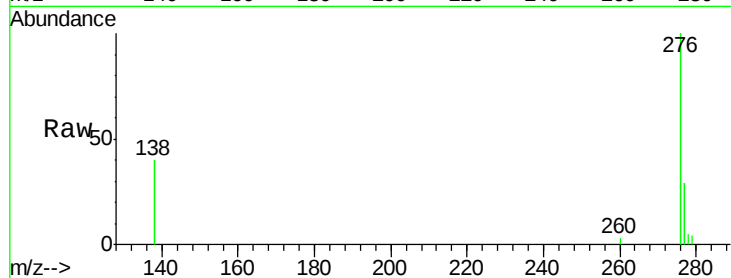
Acq: 7 Jan 2015 15:43

Instrument :

BNA_E

LabSampleId :

SSTD0.460



Tgt Ion: 276 Resp: 9922

Ion Ratio Lower Upper

276 100

277 28.7 22.3 33.5

138 39.7 30.0 45.0

