

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
 Data File : BE091304.D
 Acq On : 23 Nov 2015 17:46
 Operator : UM/NP
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.487

Quant Time: Nov 24 00:41:03 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 24 00:31:29 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	2155	0.40	ng/ul	0.00
4) Naphthalene-d8	9.56	136	10198	0.40	ng/ul	0.00
8) Acenaphthene-d10	13.37	164	4709	0.40	ng/ul	0.00
12) Phenanthrene-d10	16.09	188	13951	0.40	ng/ul	0.00
18) Chrysene-d12	20.23	240	16144	0.40	ng/ul	0.00
22) Perylene-d12	22.11	264	13343	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	2.95	96	3538	2.28	ng/uL	0.00
6) 2-Methylnaphthalene-d10	11.07	152	5053	0.36	ng/ul	0.00
16) Fluoranthene-d10	18.07	212	14749	0.38	ng/ul	0.00

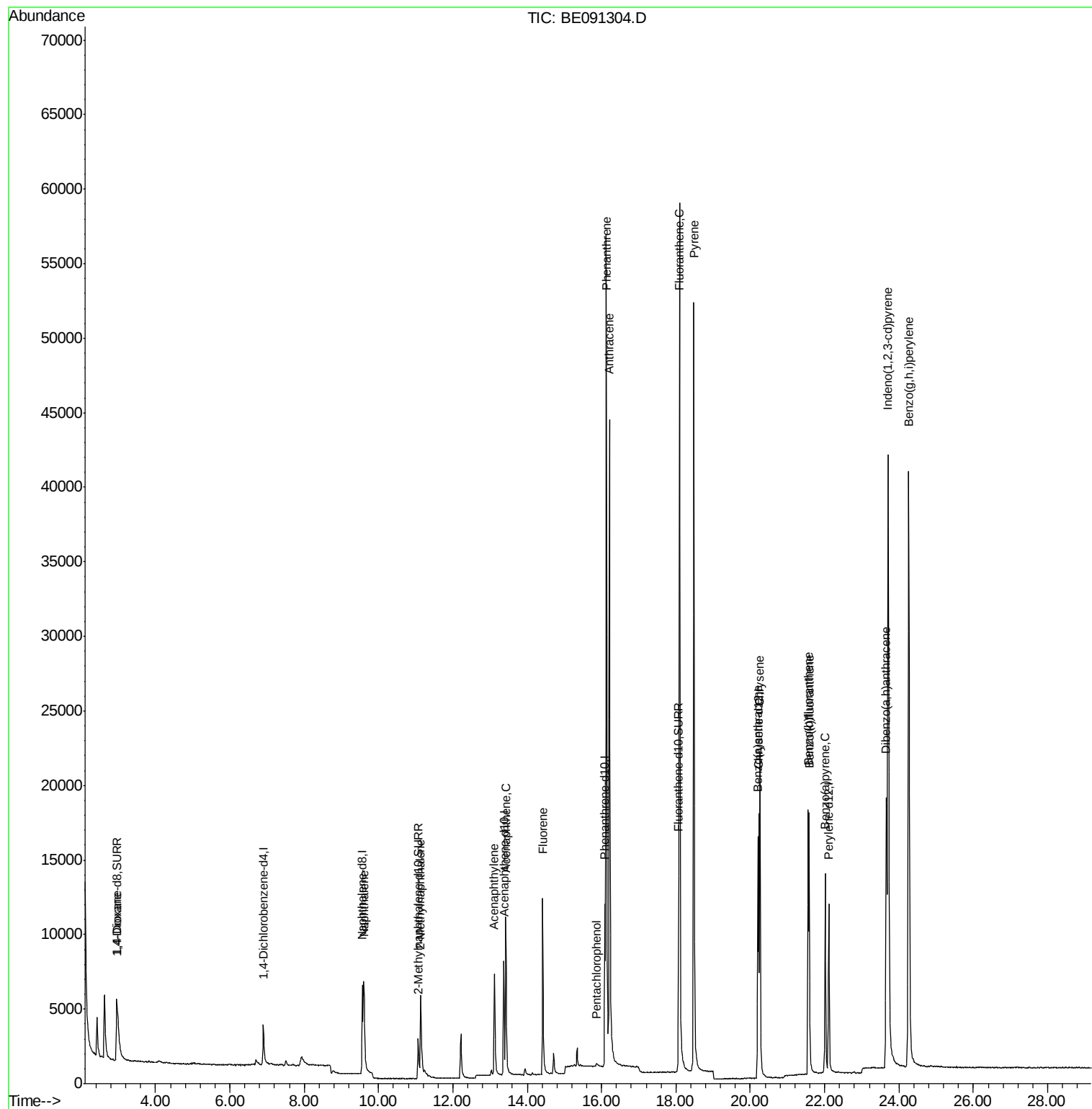
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	2.97	88	3707	2.12	ng/ul#	62
5) Naphthalene	9.61	128	10416	0.41	ng/ul	99
7) 2-Methylnaphthalene	11.13	142	5826	0.36	ng/ul	87
9) Acenaphthylene	13.11	152	10218	0.43	ng/ul	99
10) Acenaphthene	13.42	153	7023	0.44	ng/ul#	86
11) Fluorene	14.42	166	9025	0.44	ng/ul	93
13) Pentachlorophenol	15.87	266	316	0.24	ng/ul	98
14) Phenanthrene	16.12	178	64676	0.40	ng/ul	99
15) Anthracene	16.21	178	59594	0.41	ng/ul	98
17) Fluoranthene	18.10	202	76543	0.41	ng/ul	88
19) Pyrene	18.49	202	69977	0.38	ng/ul#	78
20) Benzo(a)anthracene	20.20	228	15299	0.37	ng/ul	98
21) Chrysene	20.26	228	20509	0.43	ng/ul	98
23) Benzo(b)fluoranthene	21.56	252	18099	0.43	ng/ul	94
24) Benzo(k)fluoranthene	21.58	252	18716	0.44	ng/ul	93
25) Benzo(a)pyrene	22.01	252	16850	0.44	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	23.71	276	65634	0.41	ng/ul#	91
27) Dibenzo(a,h)anthracene	23.66	278	15274	0.40	ng/ul#	72
28) Benzo(g,h,i)perylene	24.26	276	69584	0.41	ng/ul	94

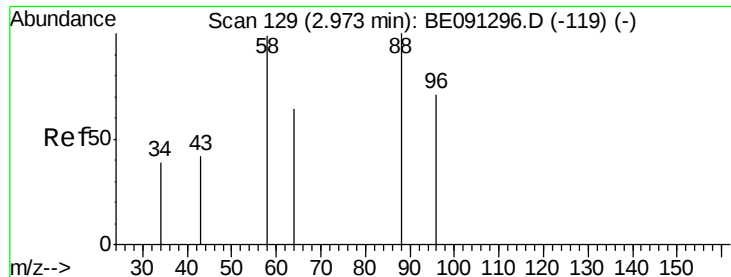
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE112315\
Data File : BE091304.D
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Quant Time: Nov 24 00:41:03 2015
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE102715.M
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#3

1,4-Dioxane

Concen: 2.12 ng/ul

RT: 2.97 min Scan# 129

Delta R.T. 0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

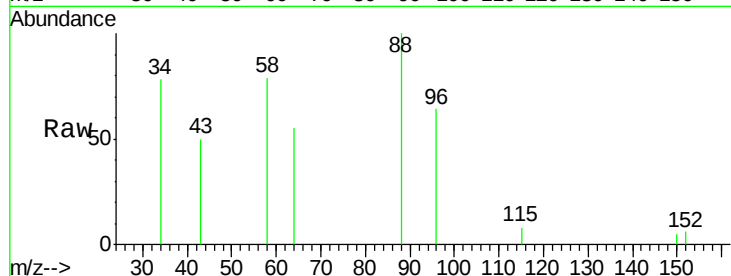
Tgt Ion: 88 Resp: 3707

Ion Ratio Lower Upper

88 100

58 105.7 55.4 83.2#

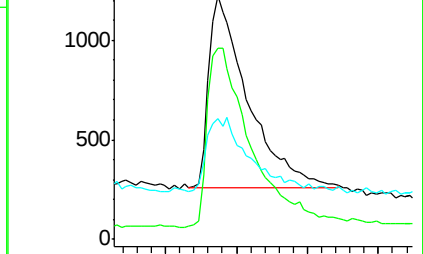
43 43.0 24.2 36.2#



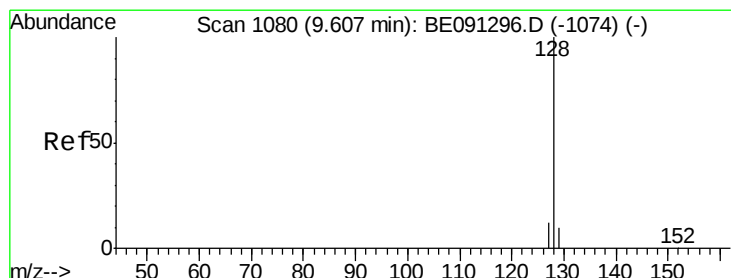
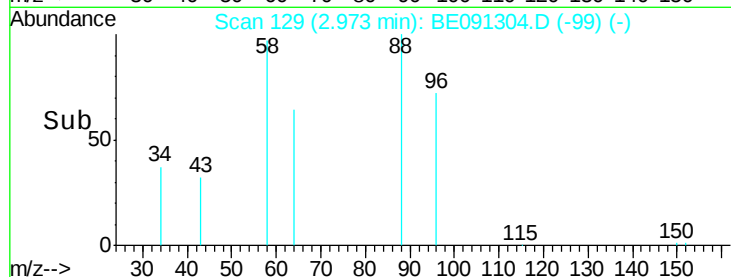
Abundance Ion 88.00 (87.70 to 88.70): BE091296.D (-119) (-)

Ion 58.00 (57.70 to 58.70): BE091296.D (-119) (-)

Ion 43.00 (42.70 to 43.70): BE091296.D (-119) (-)



Time-->



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 9.61 min Scan# 1080

Delta R.T. -0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

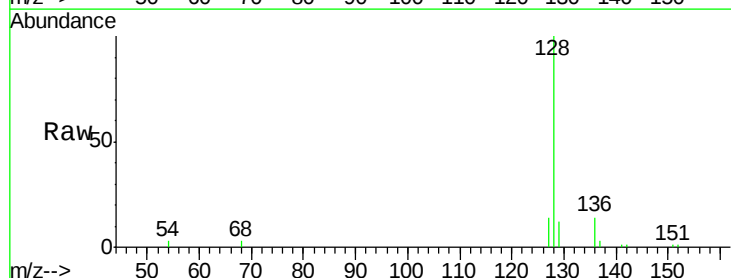
Tgt Ion: 128 Resp: 10416

Ion Ratio Lower Upper

128 100

129 12.1 9.8 14.8

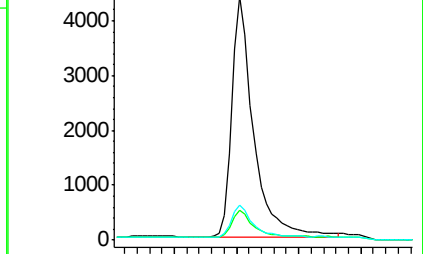
127 14.1 10.7 16.1



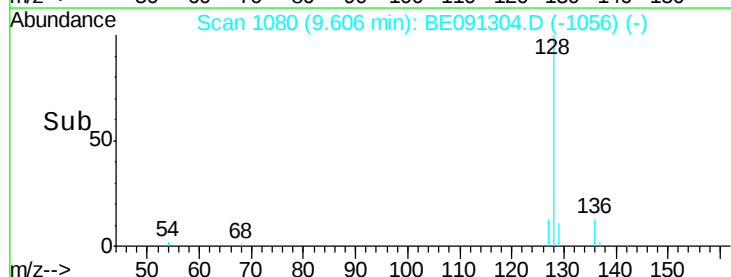
Abundance Ion 128.00 (127.70 to 128.70): BE091296.D (-1074) (-)

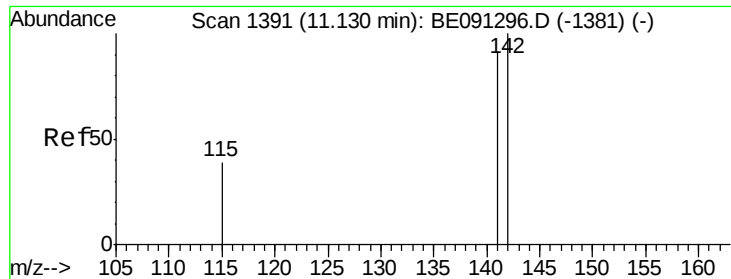
Ion 129.00 (128.70 to 129.70): BE091296.D (-1074) (-)

Ion 127.00 (126.70 to 127.70): BE091296.D (-1074) (-)



Time-->





#7

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 11.13 min Scan# 1392

Delta R.T. 0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

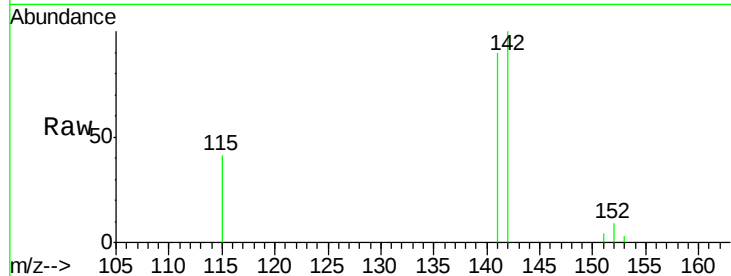
SSTD0.487

Tgt Ion:142 Resp: 5826

Ion Ratio Lower Upper

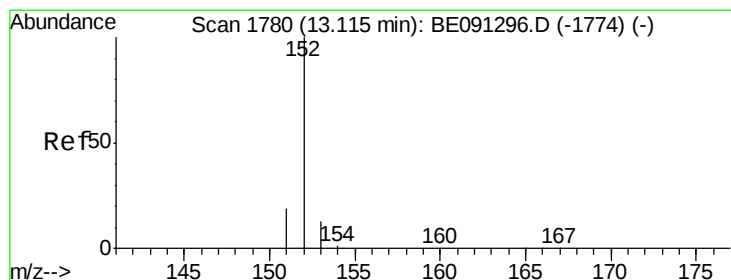
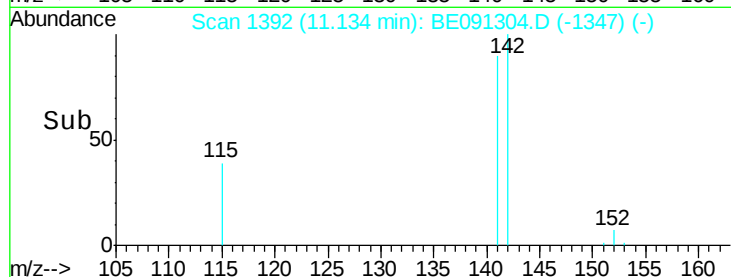
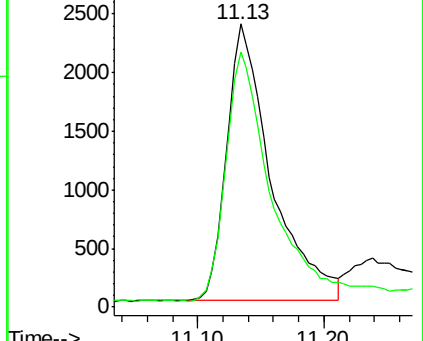
142 100

141 99.6 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: 0.43 ng/ul

RT: 13.11 min Scan# 1780

Delta R.T. -0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

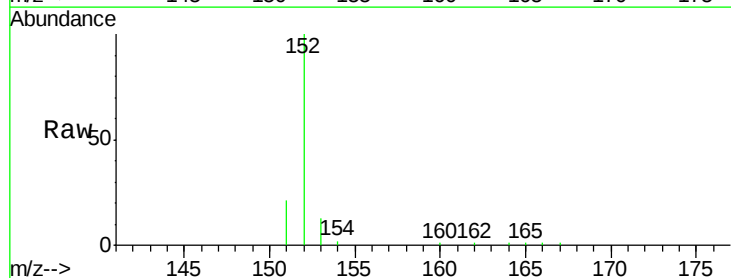
Tgt Ion:152 Resp: 10218

Ion Ratio Lower Upper

152 100

151 20.6 16.8 25.2

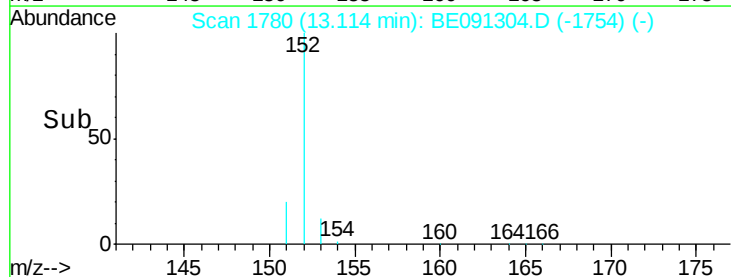
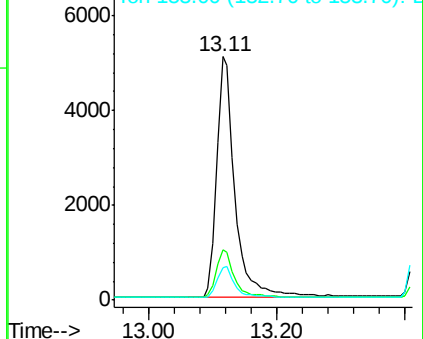
153 13.2 11.3 16.9

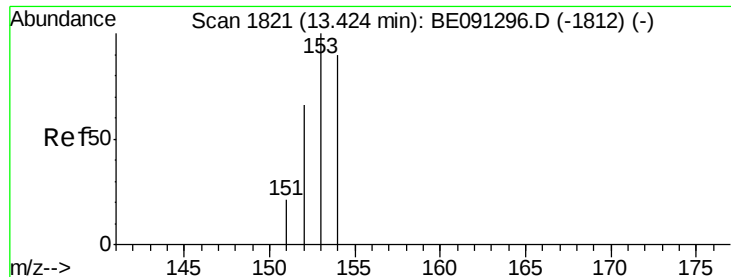


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.44 ng/ul

RT: 13.42 min Scan# 1821

Delta R.T. -0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

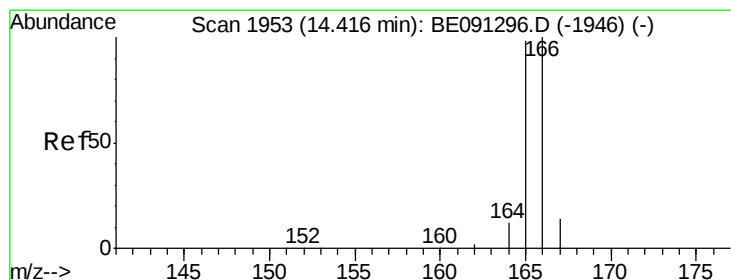
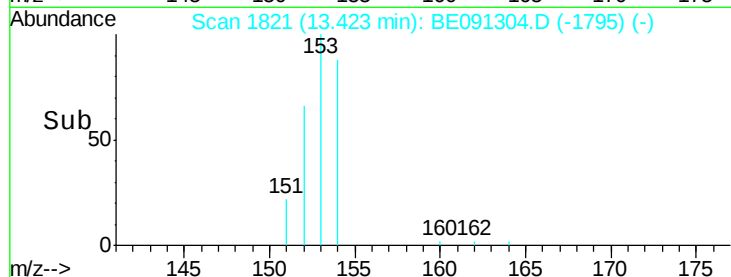
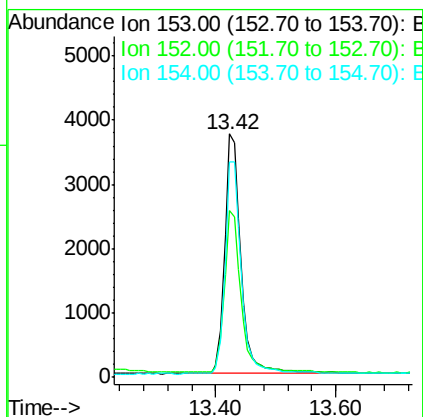
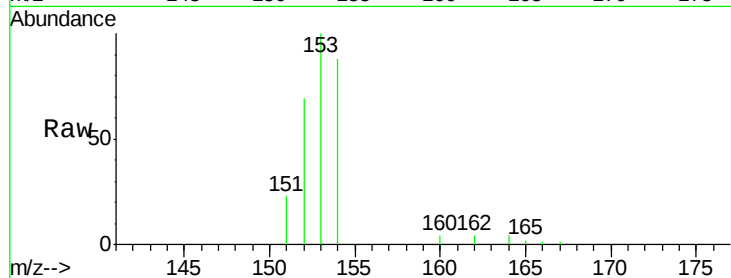
Tgt Ion:153 Resp: 7023

Ion Ratio Lower Upper

153 100

152 68.7 42.3 63.5#

154 88.4 64.7 97.1



#11

Fluorene

Concen: 0.44 ng/ul

RT: 14.42 min Scan# 1953

Delta R.T. -0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

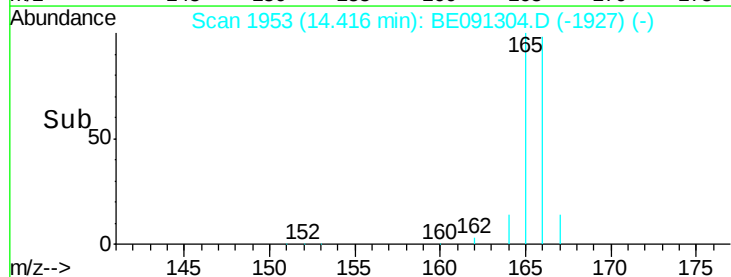
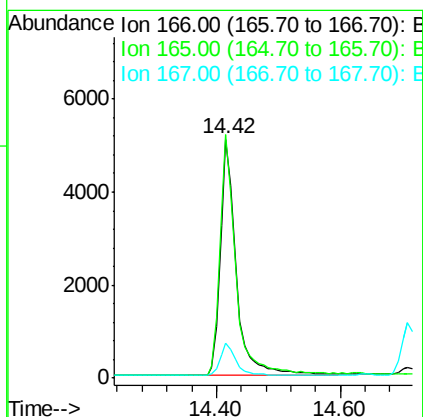
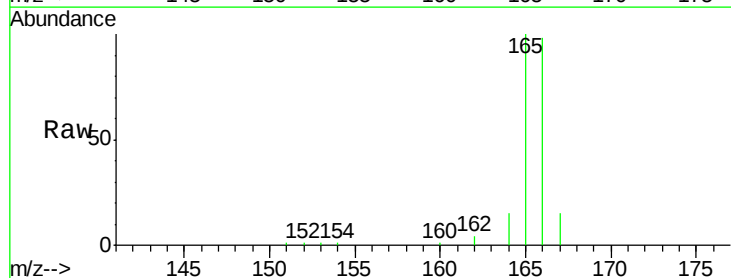
Tgt Ion:166 Resp: 9025

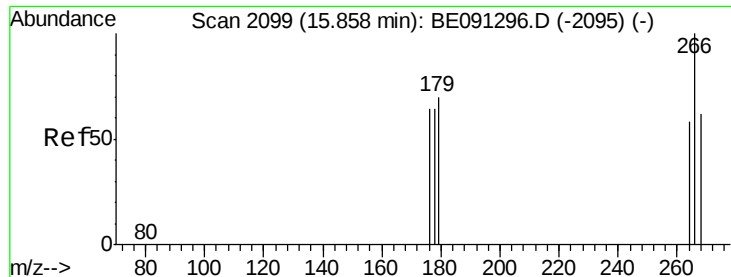
Ion Ratio Lower Upper

166 100

165 102.0 87.6 131.4

167 14.9 11.1 16.7

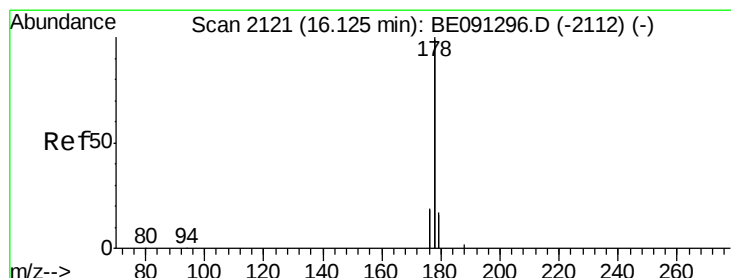
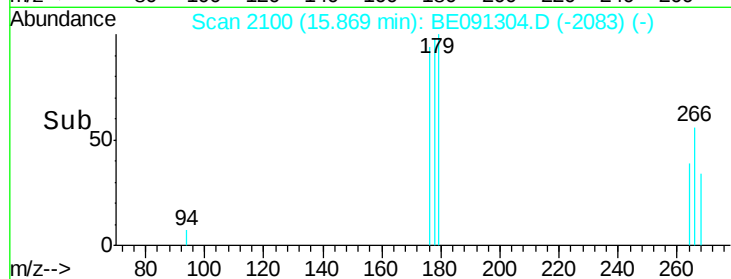
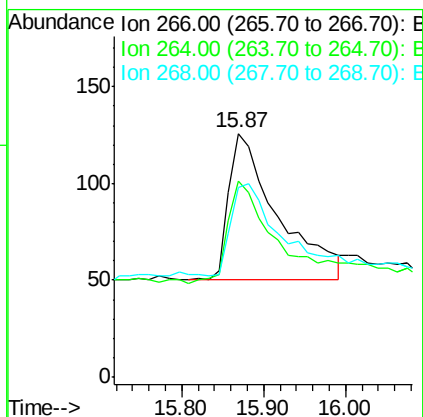
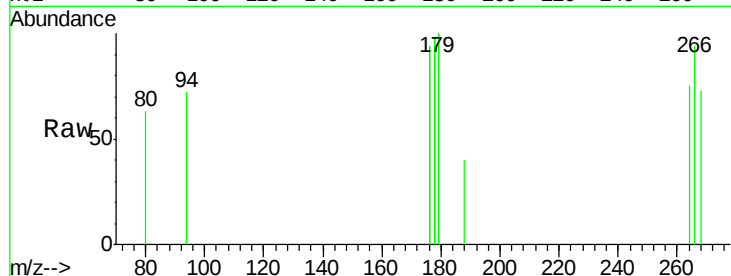




#13
 Pentachlorophenol
 Concen: 0.24 ng/ul
 RT: 15.87 min Scan# 2100
 Delta R.T. 0.01 min
 Lab File: BE091304.D
 Acq: 23 Nov 2015 17:46

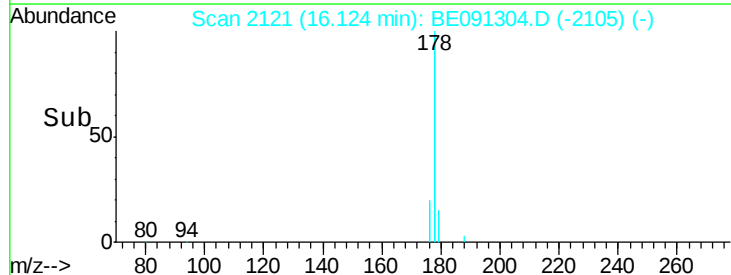
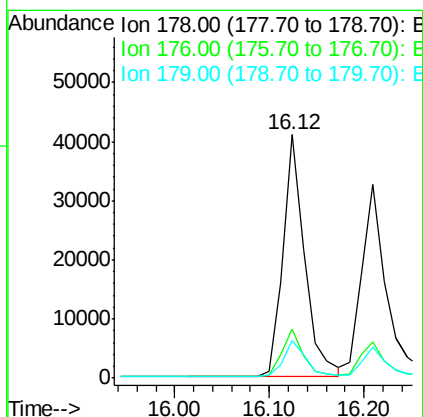
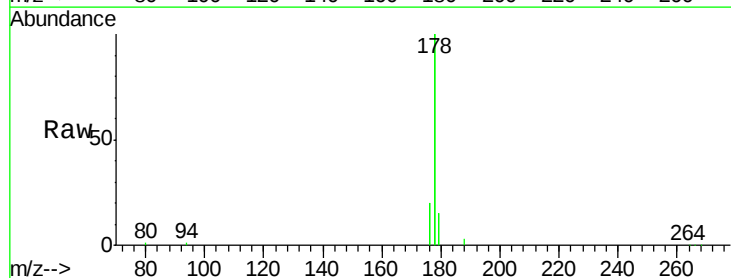
Instrument :
 BNA_E
 ClientSampleId :
 SST0.487

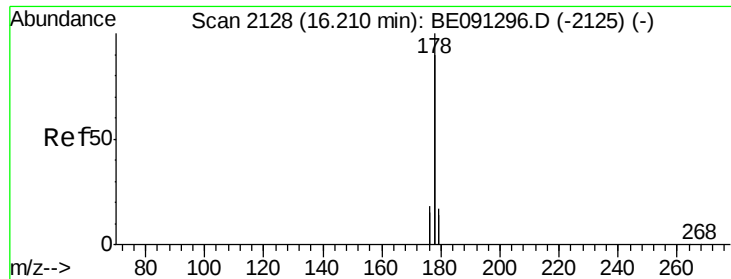
Tgt Ion: 266 Resp: 316
 Ion Ratio Lower Upper
 266 100
 264 69.9 53.5 80.3
 268 67.1 54.2 81.2



#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 16.12 min Scan# 2121
 Delta R.T. -0.00 min
 Lab File: BE091304.D
 Acq: 23 Nov 2015 17:46

Tgt Ion: 178 Resp: 64676
 Ion Ratio Lower Upper
 178 100
 176 20.2 16.2 24.4
 179 15.4 12.8 19.2





#15

Anthracene

Concen: 0.41 ng/ul

RT: 16.21 min Scan# 2128

Delta R.T. -0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

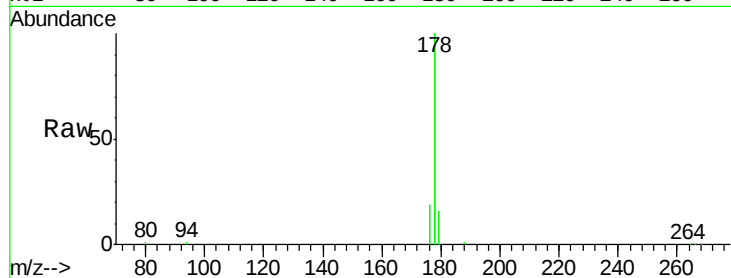
Tgt Ion:178 Resp: 59594

Ion Ratio Lower Upper

178 100

176 18.7 15.8 23.8

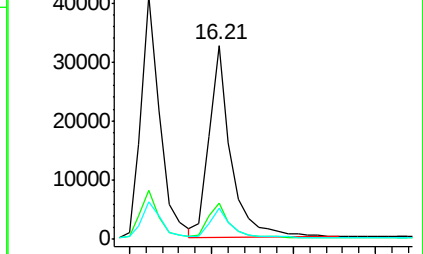
179 15.8 13.3 19.9



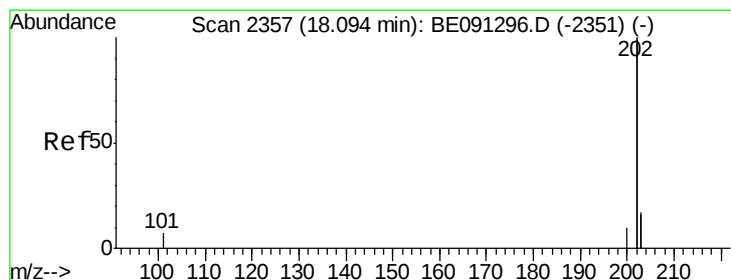
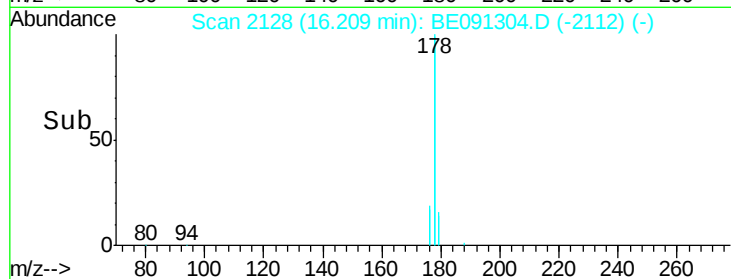
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#17

Fluoranthene

Concen: 0.41 ng/ul

RT: 18.10 min Scan# 2358

Delta R.T. 0.01 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

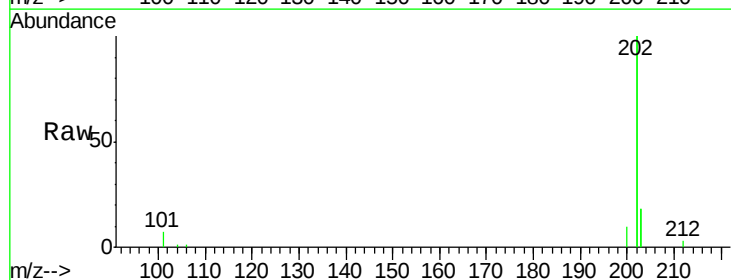
Tgt Ion:202 Resp: 76543

Ion Ratio Lower Upper

202 100

101 3.3 0.0 33.1

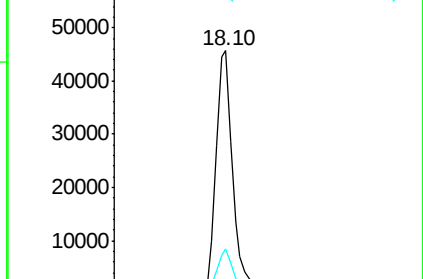
203 18.4 0.0 37.2



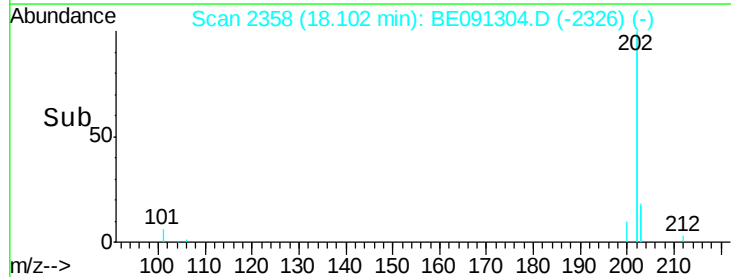
Abundance Ion 202.00 (201.70 to 202.70): E

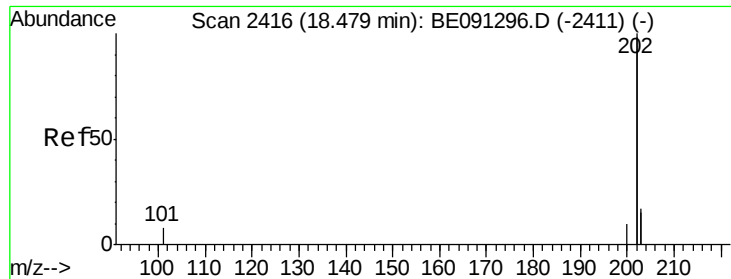
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->





#19

Pyrene

Concen: 0.38 ng/ul

RT: 18.49 min Scan# 2417

Delta R.T. 0.01 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

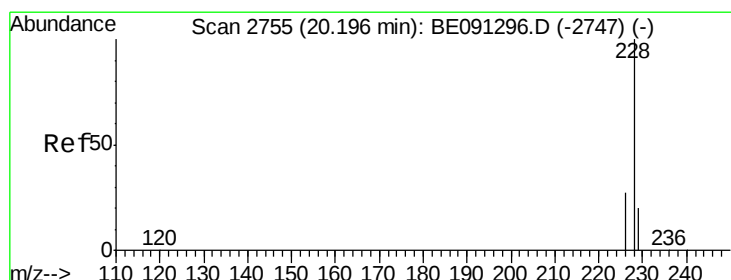
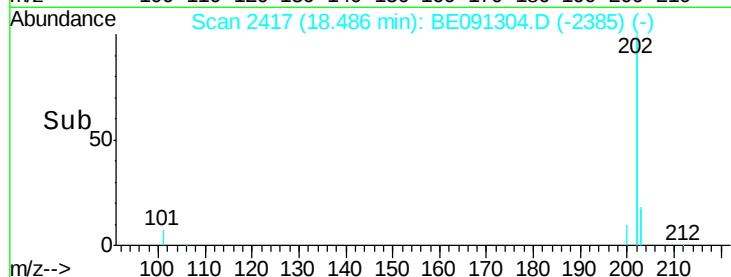
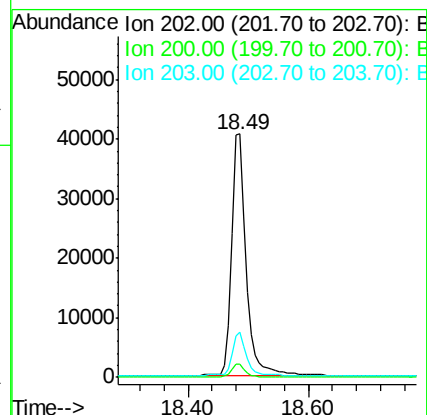
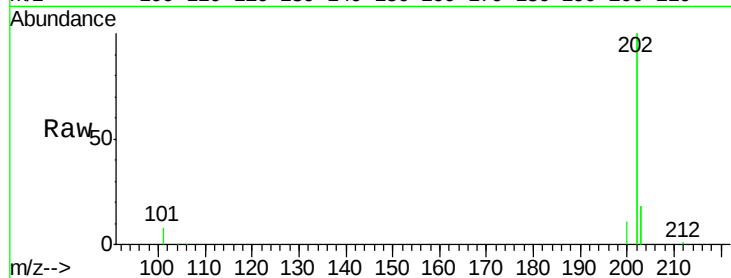
Tgt Ion:202 Resp: 69977

Ion Ratio Lower Upper

202 100

200 5.3 18.0 27.0#

203 18.5 13.8 20.6



#20

Benzo(a)anthracene

Concen: 0.37 ng/ul

RT: 20.20 min Scan# 2756

Delta R.T. 0.01 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

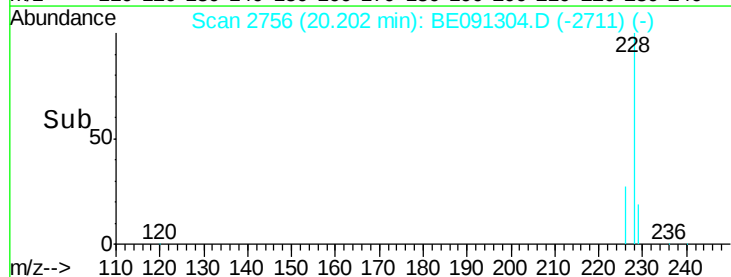
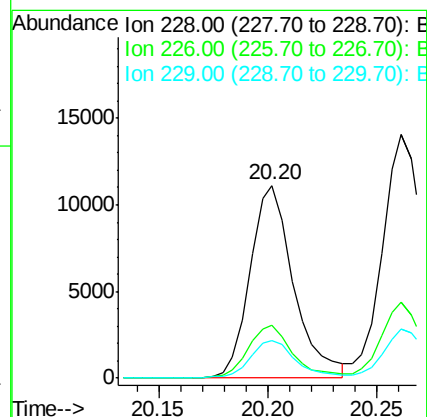
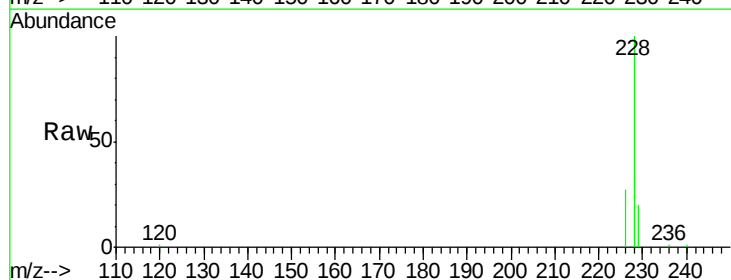
Tgt Ion:228 Resp: 15299

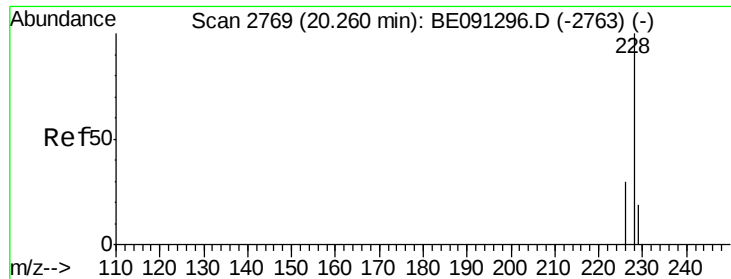
Ion Ratio Lower Upper

228 100

226 27.3 23.0 34.4

229 19.8 15.2 22.8





#21

Chrysene

Concen: 0.43 ng/ul

RT: 20.26 min Scan# 2769

Delta R.T. 0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

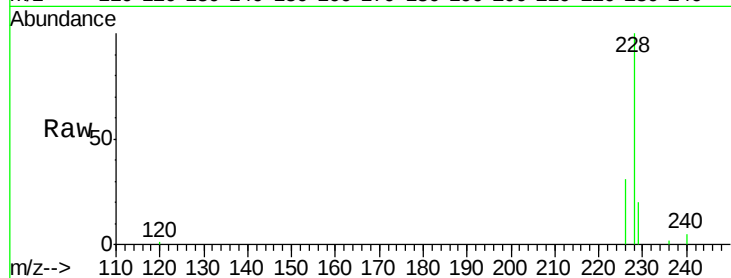
Tgt Ion:228 Resp: 20509

Ion Ratio Lower Upper

228 100

226 31.1 25.7 38.5

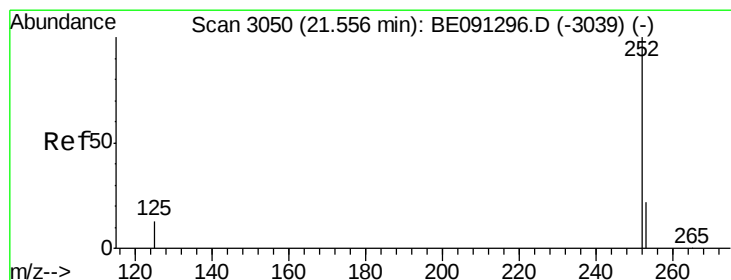
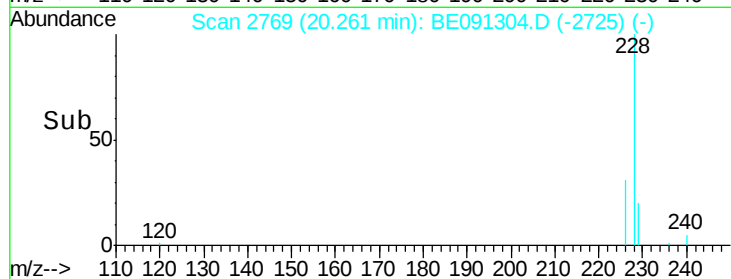
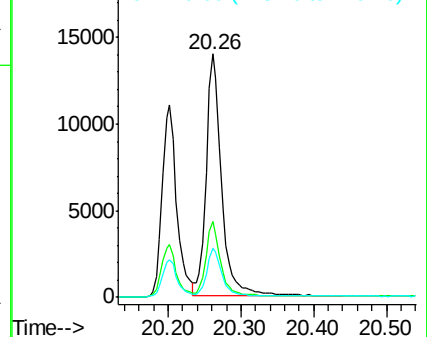
229 19.9 15.2 22.8



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: 0.43 ng/ul

RT: 21.56 min Scan# 3050

Delta R.T. 0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

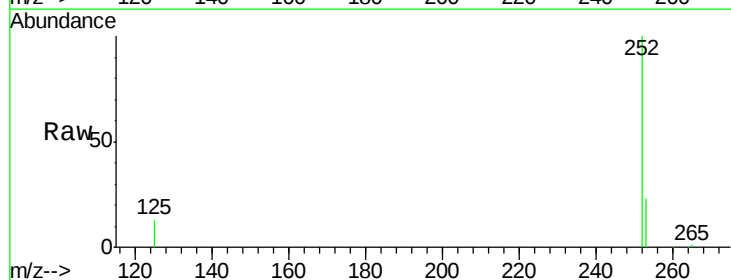
Tgt Ion:252 Resp: 18099

Ion Ratio Lower Upper

252 100

253 22.7 0.0 48.0

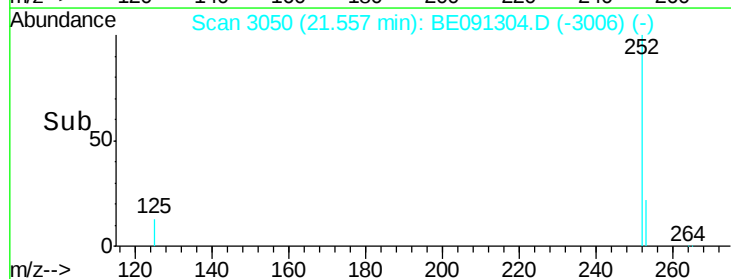
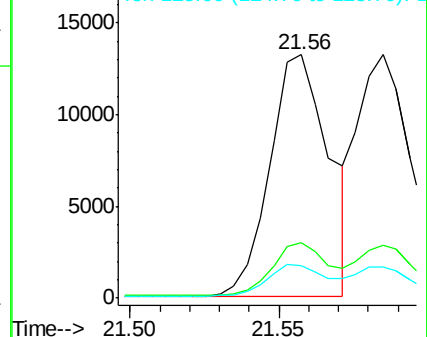
125 13.5 0.0 36.6

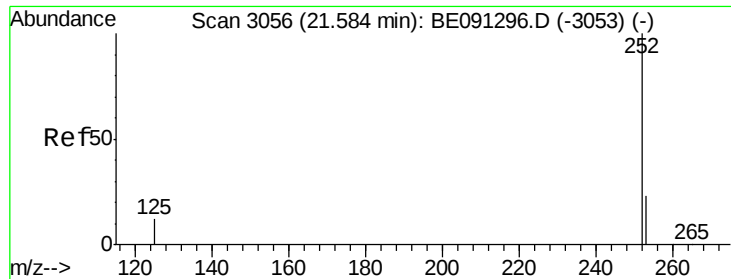


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.44 ng/ul

RT: 21.58 min Scan# 3056

Delta R.T. 0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

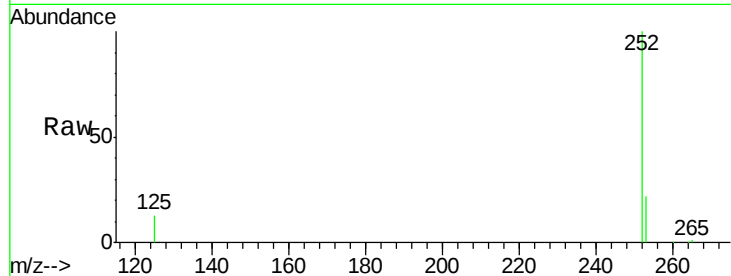
Tgt Ion:252 Resp: 18716

Ion Ratio Lower Upper

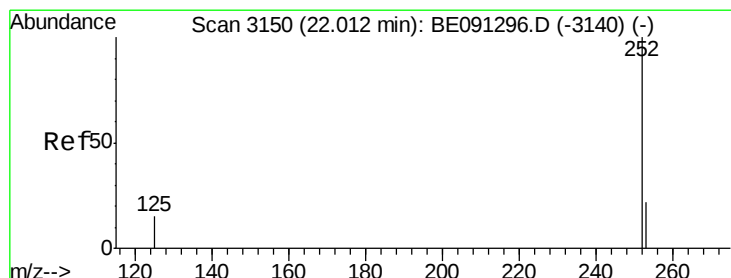
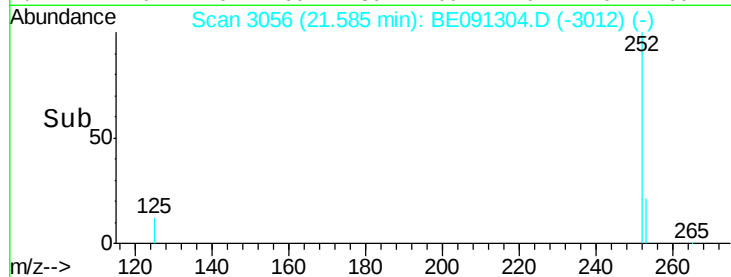
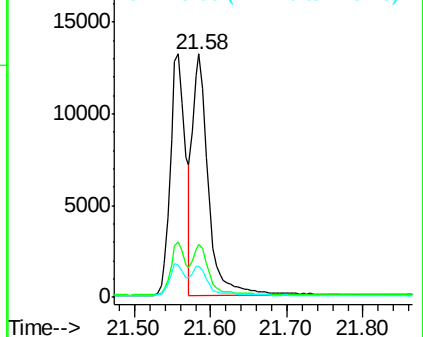
252 100

253 21.9 20.8 31.2

125 12.9 12.2 18.4



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: 0.44 ng/ul

RT: 22.01 min Scan# 3150

Delta R.T. 0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

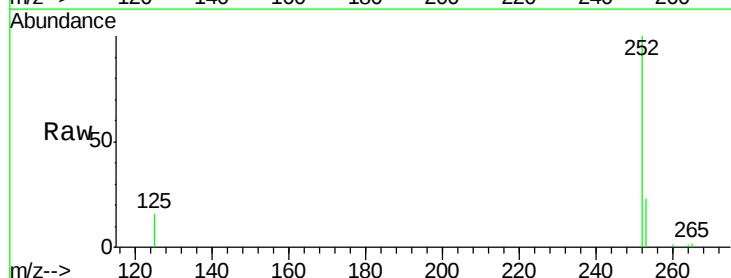
Tgt Ion:252 Resp: 16850

Ion Ratio Lower Upper

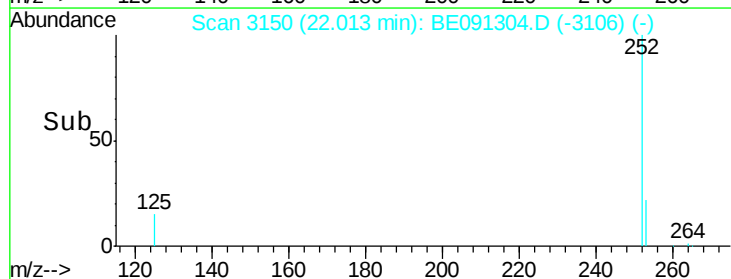
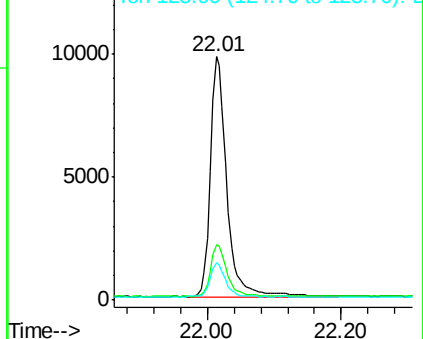
252 100

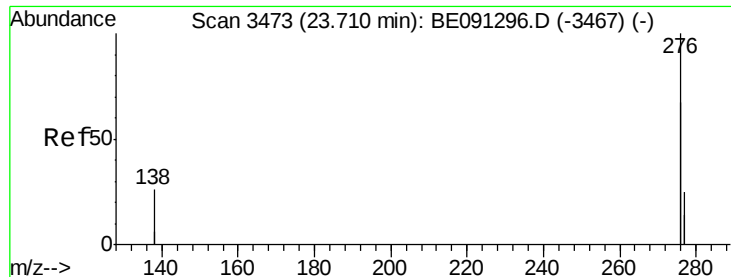
253 22.9 21.8 32.8

125 15.6 14.5 21.7



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: 23.71 min Scan# 3472

Delta R.T. -0.00 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487

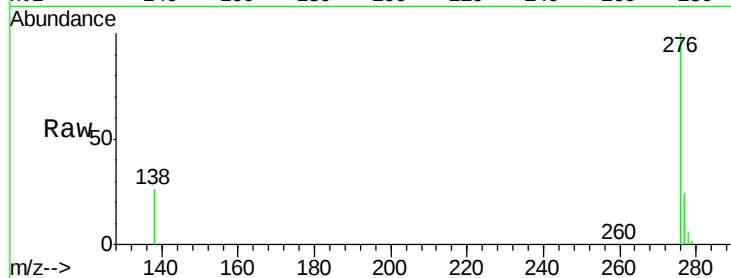
Tgt Ion:276 Resp: 65634

Ion Ratio Lower Upper

276 100

138 26.0 27.5 41.3#

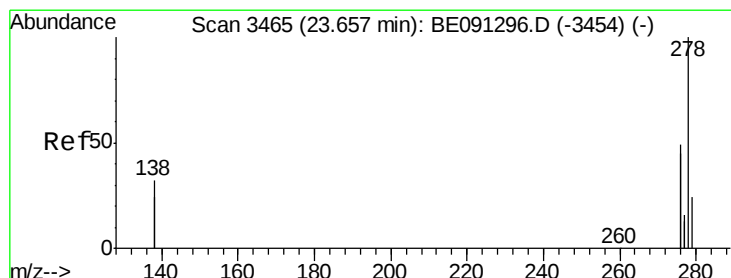
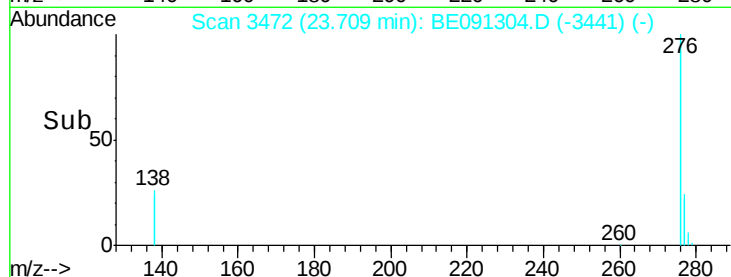
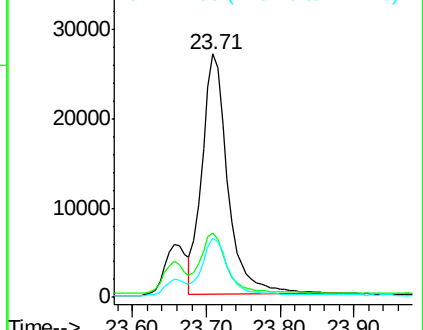
277 24.3 19.3 28.9



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: 0.40 ng/ul

RT: 23.66 min Scan# 3465

Delta R.T. 0.01 min

Lab File: BE091304.D

Acq: 23 Nov 2015 17:46

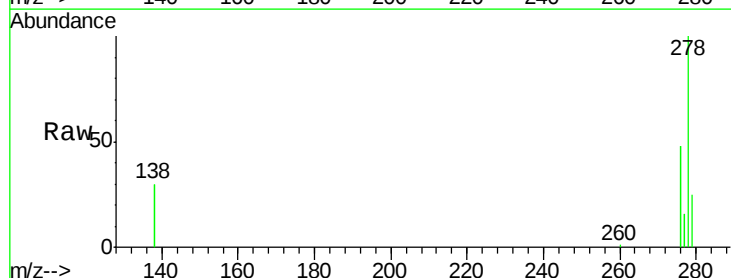
Tgt Ion:278 Resp: 15274

Ion Ratio Lower Upper

278 100

139 0.0 21.7 32.5#

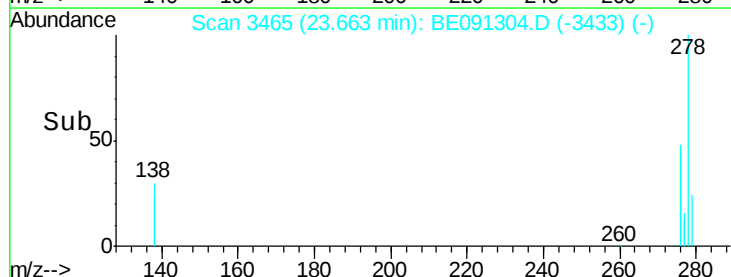
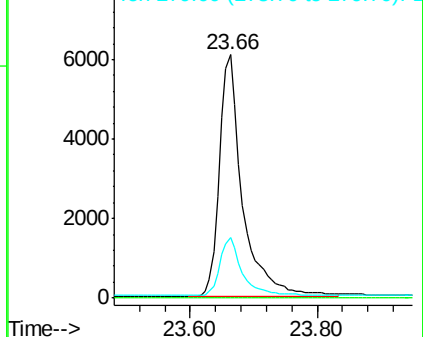
279 24.9 21.9 32.9

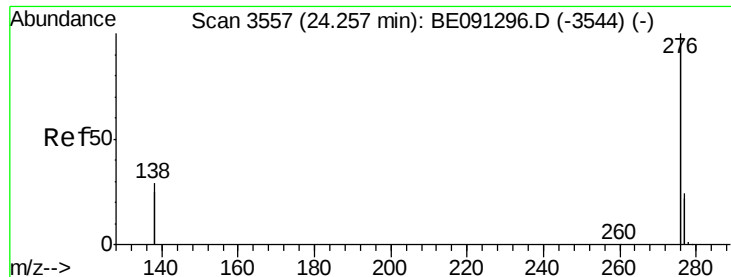


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 24.26 min Scan# 3557

Delta R.T. 0.01 min

Lab File: BE091304.D

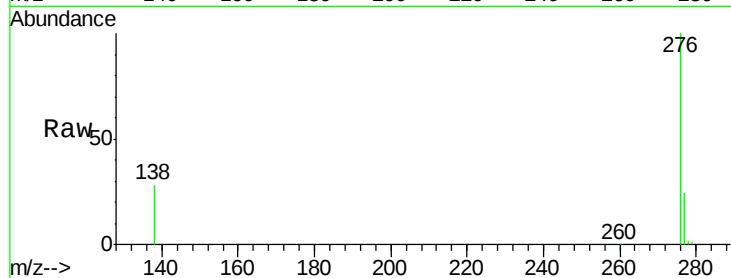
Acq: 23 Nov 2015 17:46

Instrument :

BNA_E

ClientSampleId :

SSTD0.487



Tgt Ion: 276 Resp: 69584

Ion Ratio Lower Upper

276 100

277 24.2 21.3 31.9

138 28.2 25.5 38.3

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

