

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111315\
 Data File : BE091163.D
 Acq On : 14 Nov 2015 4:37
 Operator : UM/NP
 Sample : G4342-13
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 D9KT2

Quant Time: Nov 14 05:48:00 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 : Sat Nov 14 03:28:24 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	4132	0.40	ng/ul	-0.07
4) Naphthalene-d8	9.57	136	20745	0.40	ng/ul	-0.05
8) Acenaphthene-d10	13.38	164	12688	0.40	ng/ul	-0.02
12) Phenanthrene-d10	16.10	188	30922	0.40	ng/ul	-0.01
18) Chrysene-d12	20.24	240	47128	0.40	ng/ul	0.00
22) Perylene-d12	22.12	264	51944	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.06	96	18811	6.33	ng/uL	-0.09
6) 2-Methylnaphthalene-d10	11.09	152	4375	0.15	ng/ul	-0.03
16) Fluoranthene-d10	18.08	212	10267	0.12	ng/ul	-0.01

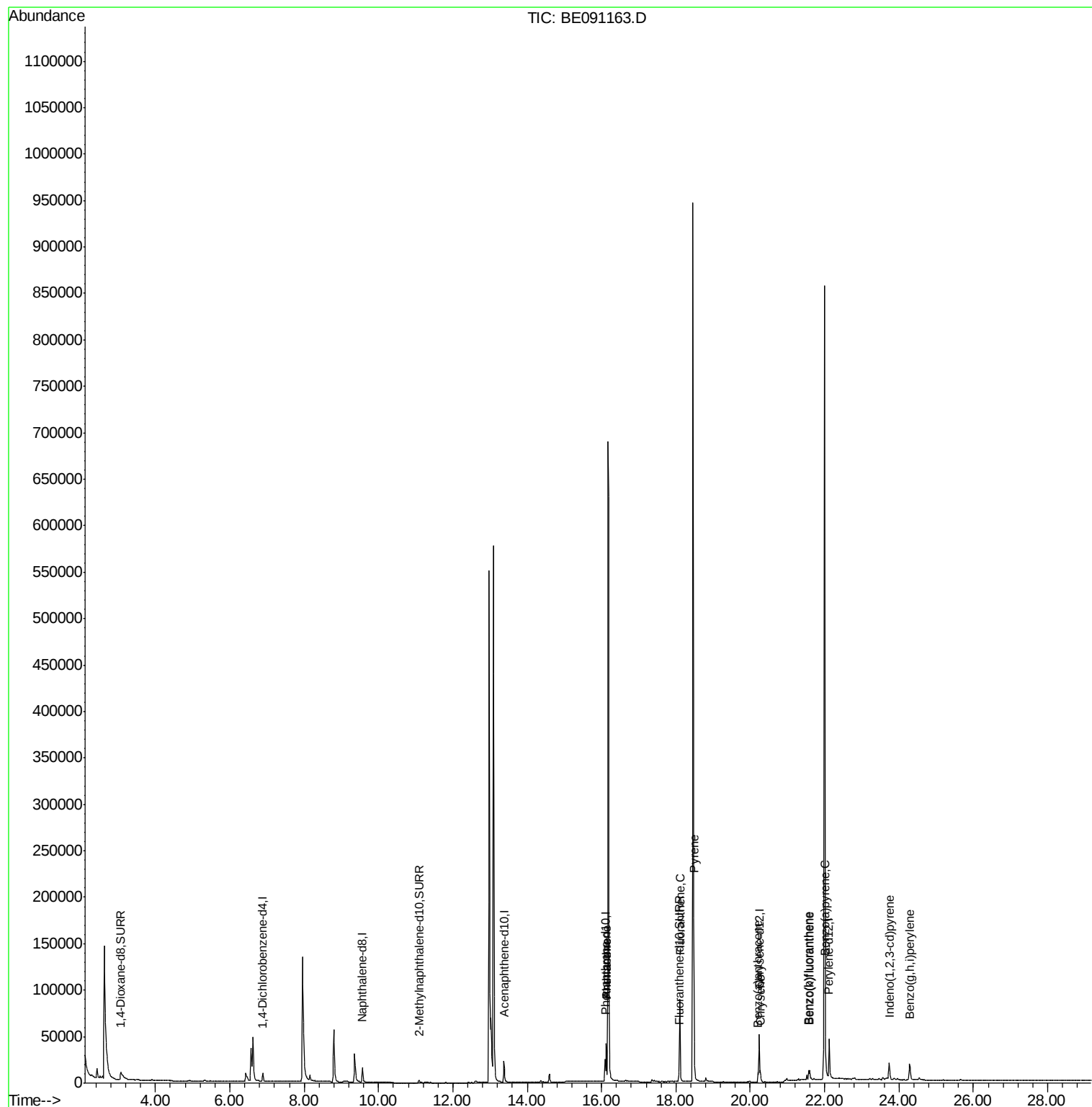
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
14) Phenanthrene	16.12	178	47835	0.13	ng/ul	98
15) Anthracene	16.12	178	47835	0.15	ng/ul	97
17) Fluoranthene	18.11	202	97671	0.23	ng/ul	89
19) Pyrene	18.49	202	91453	0.17	ng/ul#	79
20) Benzo(a)anthracene	20.21	228	9829	0.08	ng/ul	97
21) Chrysene	20.27	228	11807	0.08	ng/ul	95
23) Benzo(b)fluoranthene	21.57	252	11274	0.07	ng/ul	87
24) Benzo(k)fluoranthene	21.60	252	9766	0.06	ng/ul#	81
25) Benzo(a)pyrene	22.03	252	9978	0.07	ng/ul#	81
26) Indeno(1,2,3-cd)pyrene	23.74	276	27153	0.04	ng/ul#	89
28) Benzo(g,h,i)perylene	24.29	276	29790	0.05	ng/ul#	90

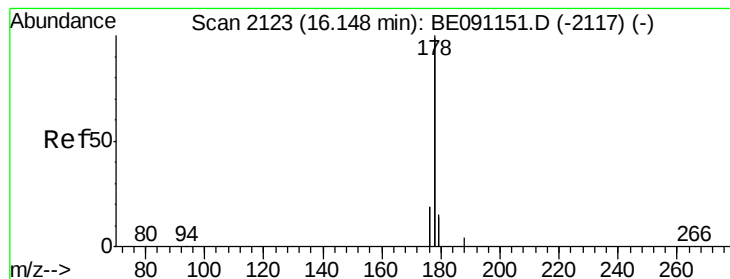
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#14

Phenanthrene

Concen: 0.13 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.02 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

Instrument :

BNA_E

ClientSampleId :

D9KT2

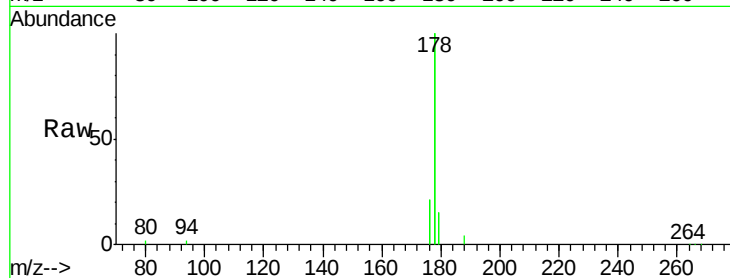
Tot Ion:178 Resp: 47835

Ion Ratio Lower Upper

178 100

176 21.4 16.2 24.4

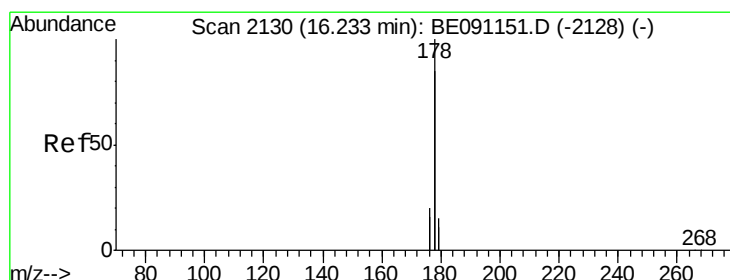
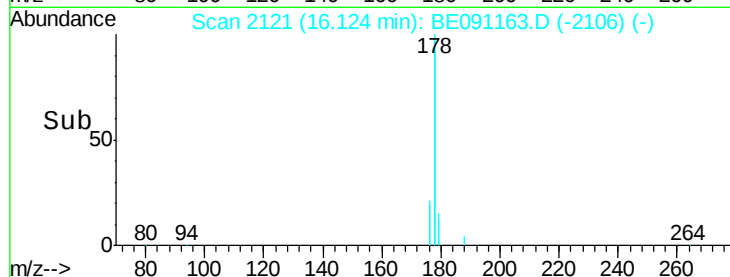
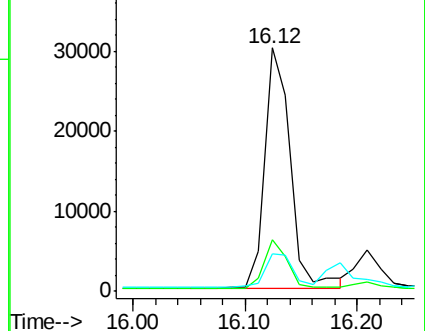
179 15.5 12.8 19.2



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



#15

Anthracene

Concen: 0.15 ng/ul

RT: 16.12 min Scan# 2121

Delta R.T. -0.11 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

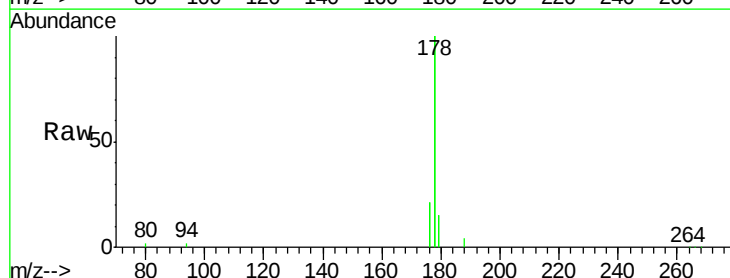
Tgt Ion:178 Resp: 47835

Ion Ratio Lower Upper

178 100

176 21.4 15.8 23.8

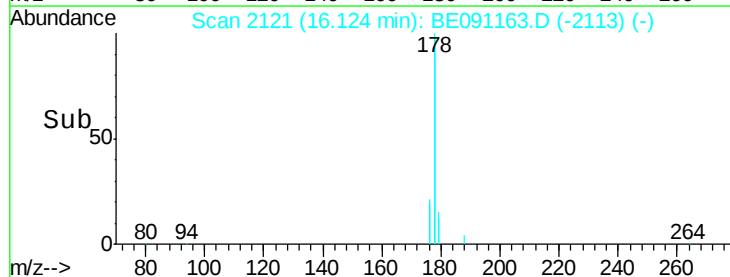
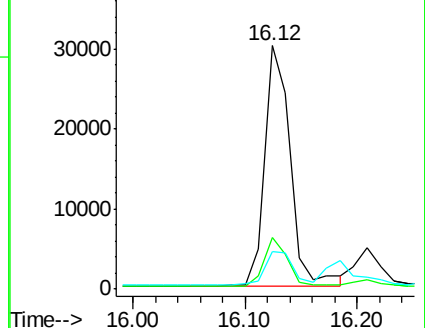
179 15.5 13.3 19.9

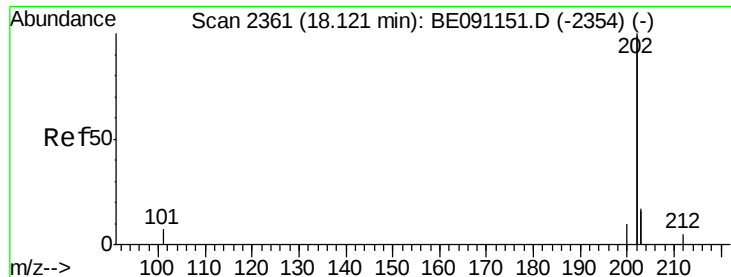


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

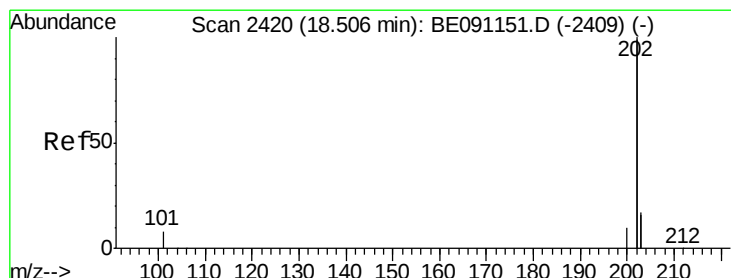
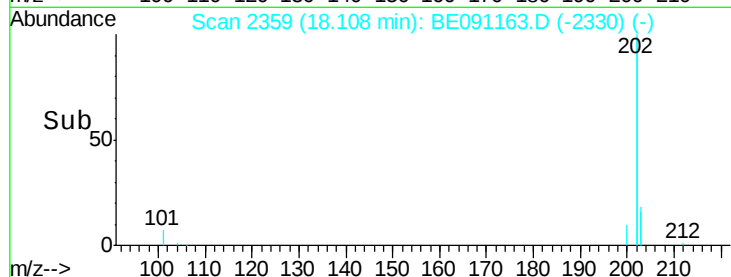
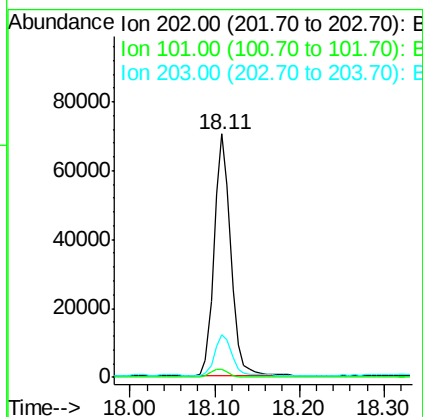
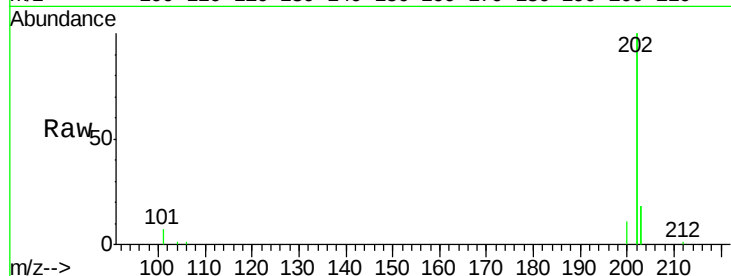




#17
Fluoranthene
 Concen: 0.23 ng/ul
 RT: 18.11 min Scan# 2359
 Delta R.T. -0.01 min
 Lab File: BE091163.D
 Acq: 14 Nov 2015 4:37

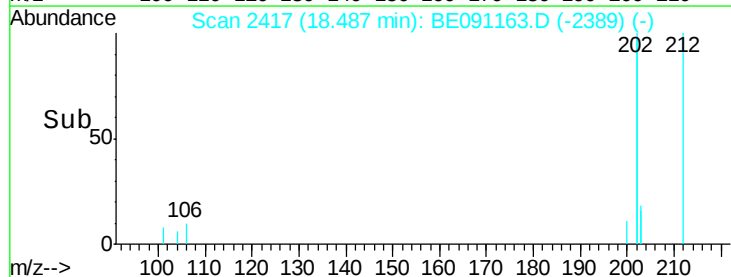
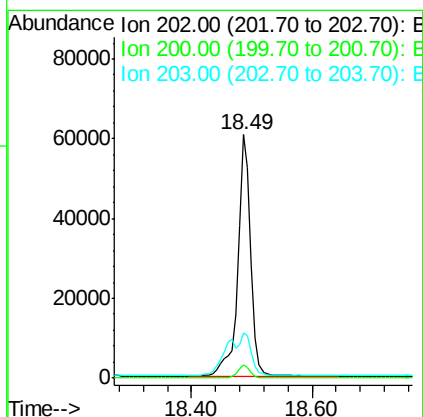
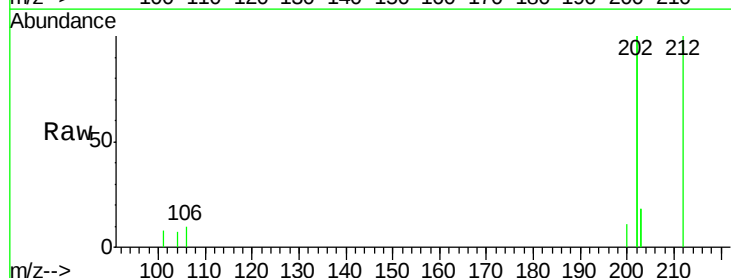
Instrument :
 BNA_E
 ClientSampleId :
 D9KT2

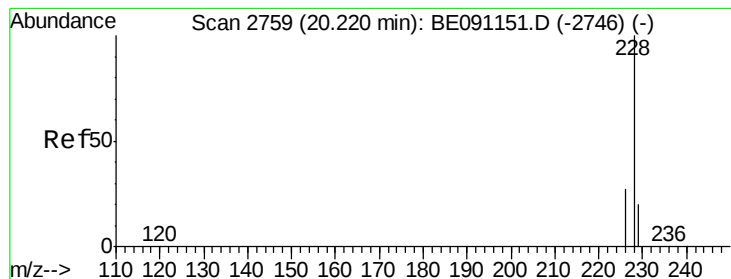
Tot Ion:202 Resp: 97671
 Ion Ratio Lower Upper
 202 100
 101 3.6 0.0 33.1
 203 17.6 0.0 37.2



#19
Pyrene
 Concen: 0.17 ng/ul
 RT: 18.49 min Scan# 2417
 Delta R.T. -0.02 min
 Lab File: BE091163.D
 Acq: 14 Nov 2015 4:37

Tgt Ion:202 Resp: 91453
 Ion Ratio Lower Upper
 202 100
 200 5.6 18.0 27.0#
 203 18.4 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 20.21 min Scan# 2757

Delta R.T. -0.01 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

Instrument :

BNA_E

ClientSampleId :

D9KT2

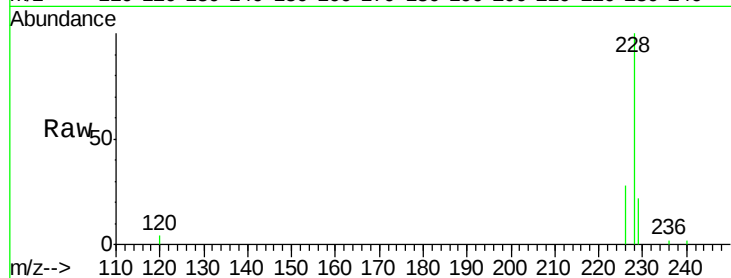
Tot Ion:228 Resp: 9829

Ion Ratio Lower Upper

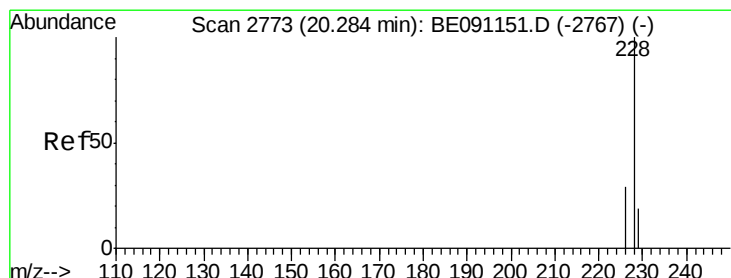
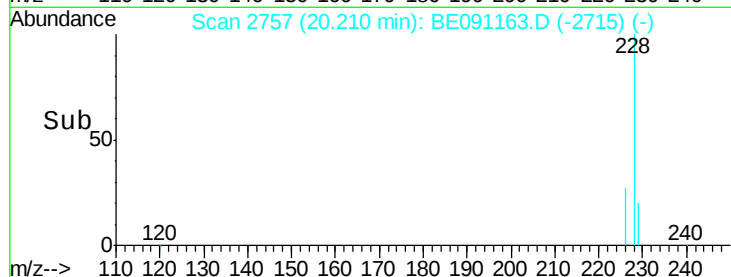
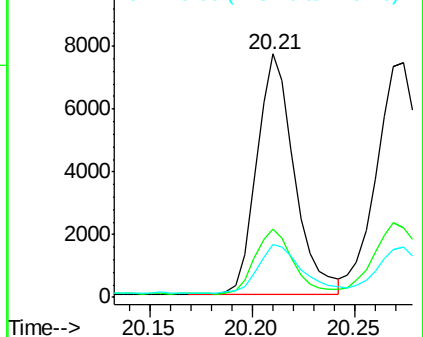
228 100

226 28.2 23.0 34.4

229 21.6 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



#21

Chrysene

Concen: 0.08 ng/ul

RT: 20.27 min Scan# 2771

Delta R.T. -0.01 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

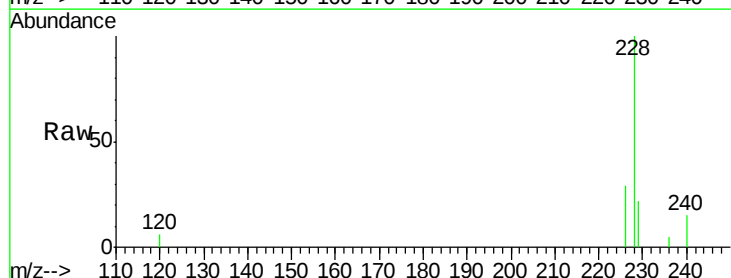
Tgt Ion:228 Resp: 11807

Ion Ratio Lower Upper

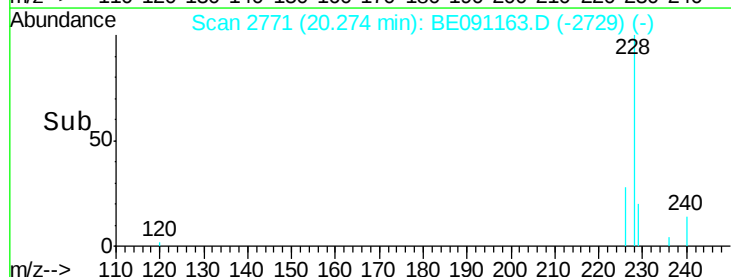
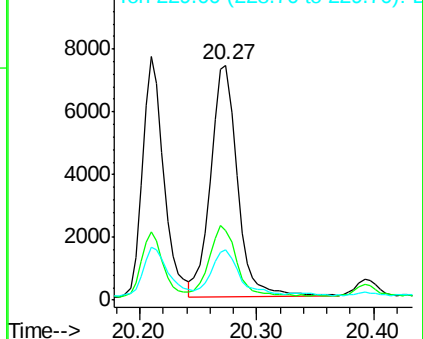
228 100

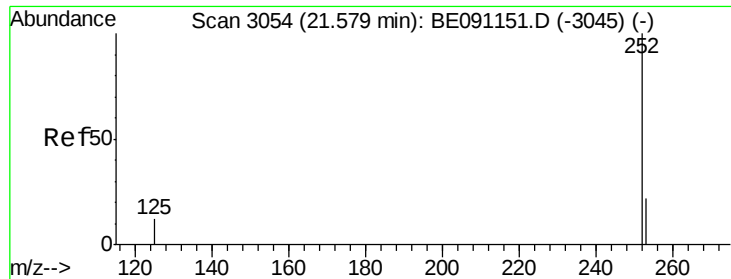
226 29.4 25.7 38.5

229 21.6 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: 0.07 ng/ul

RT: 21.57 min Scan# 3052

Delta R.T. -0.01 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

Instrument :

BNA_E

ClientSampleId :

D9KT2

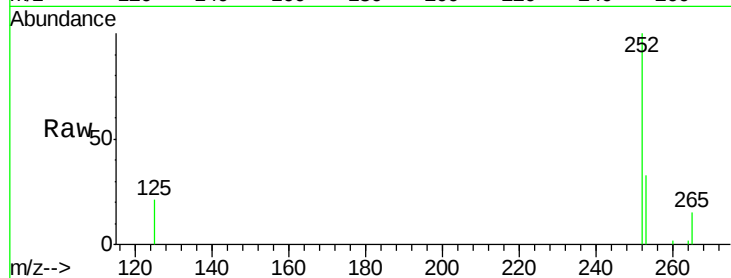
Tot Ion:252 Resp: 11274

Ion Ratio Lower Upper

252 100

253 32.9 0.0 48.0

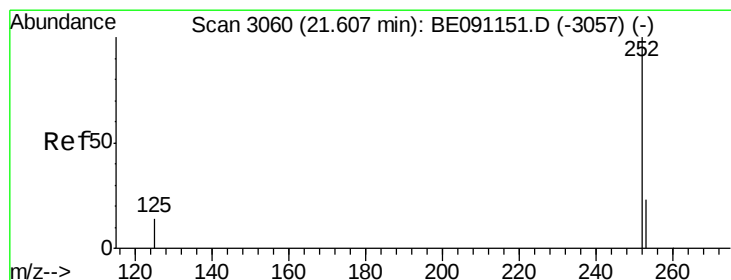
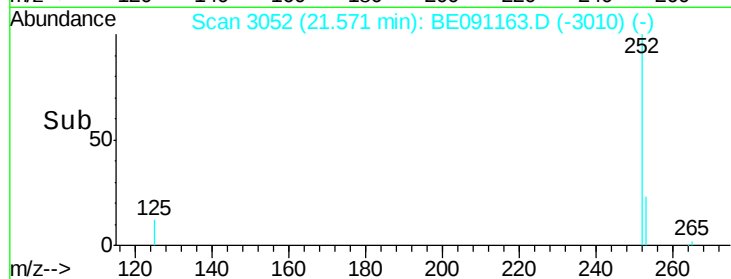
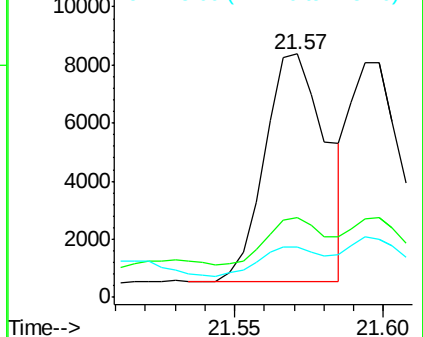
125 20.7 0.0 36.6



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: 0.06 ng/ul

RT: 21.60 min Scan# 3058

Delta R.T. -0.01 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

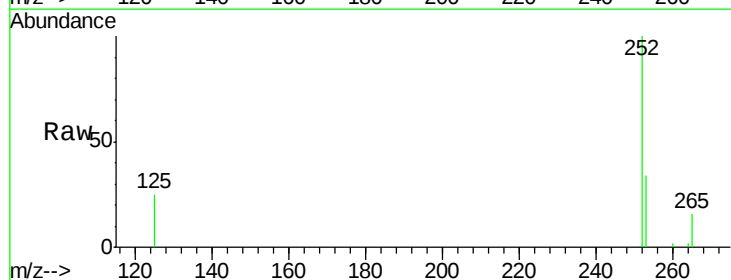
Tgt Ion:252 Resp: 9766

Ion Ratio Lower Upper

252 100

253 34.1 20.8 31.2#

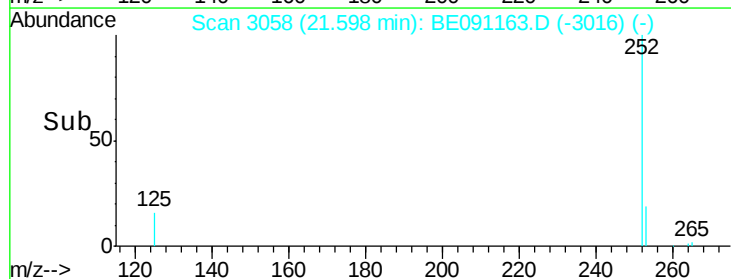
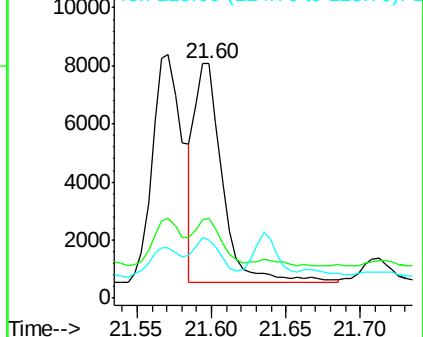
125 24.9 12.2 18.4#

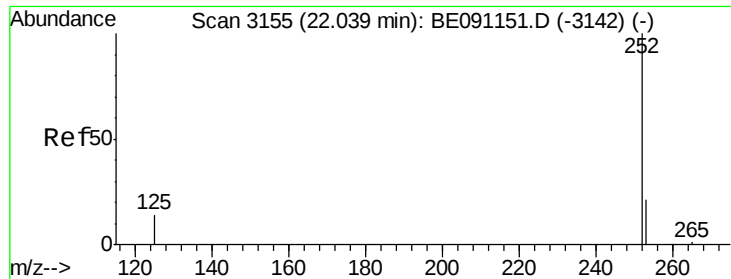


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.07 ng/ul

RT: 22.03 min Scan# 3152

Delta R.T. -0.01 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

Instrument :

BNA_E

ClientSampleId :

D9KT2

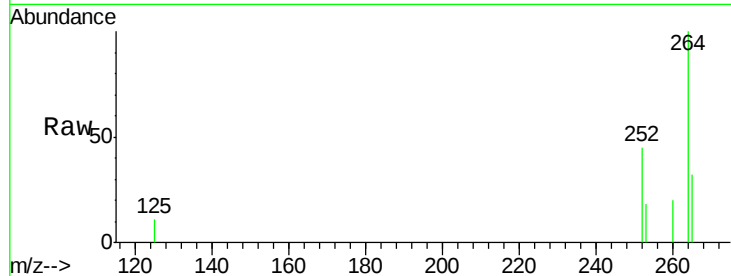
Tot Ion:252 Resp: 9978

Ion Ratio Lower Upper

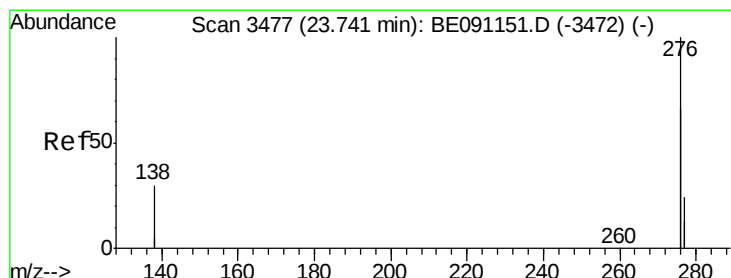
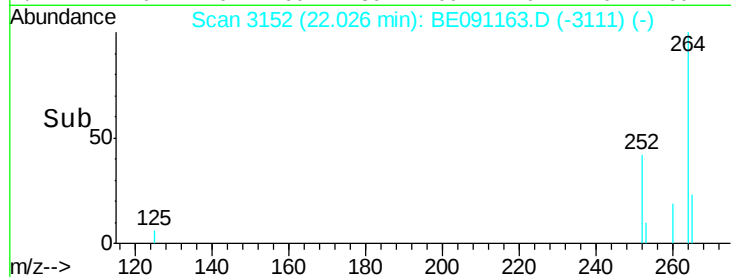
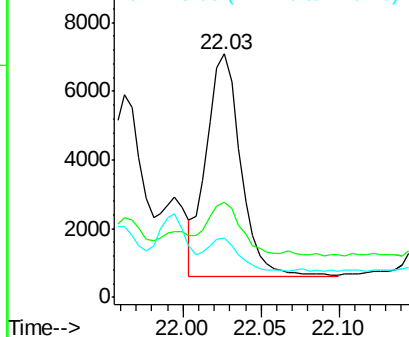
252 100

253 39.2 21.8 32.8#

125 24.3 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: 0.04 ng/ul

RT: 23.74 min Scan# 3476

Delta R.T. -0.00 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

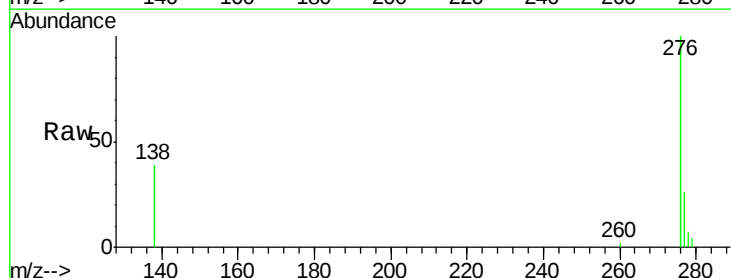
Tgt Ion:276 Resp: 27153

Ion Ratio Lower Upper

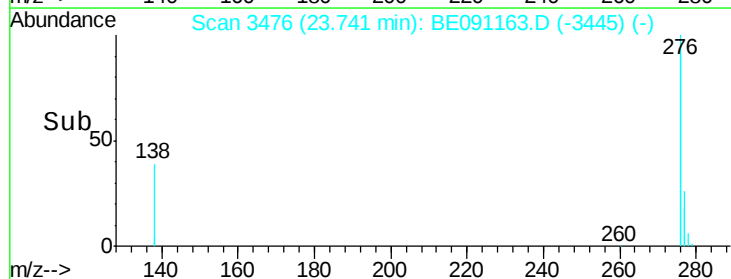
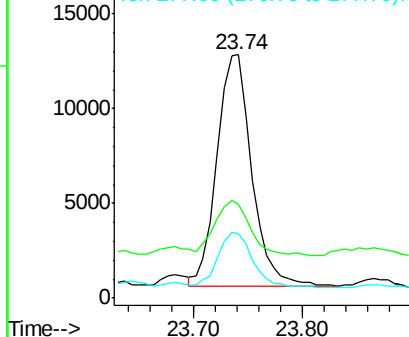
276 100

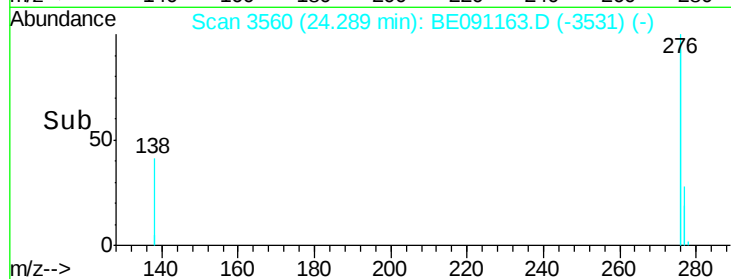
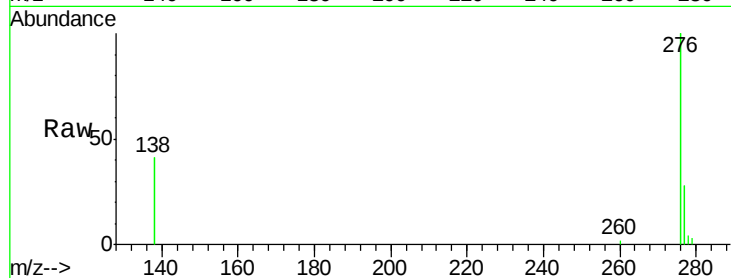
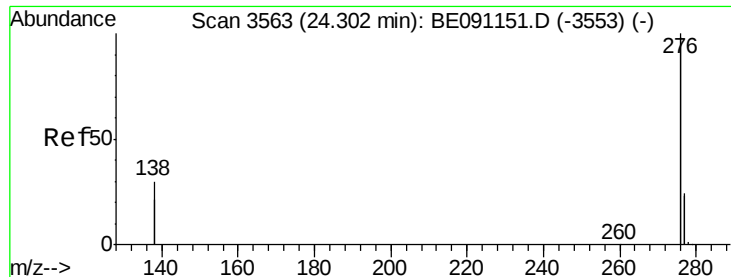
138 24.0 27.5 41.3#

277 23.9 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





#28

Benzo(a,h,i)perylene

Concen: 0.05 ng/ul

RT: 24.29 min Scan# 3560

Delta R.T. -0.01 min

Lab File: BE091163.D

Acq: 14 Nov 2015 4:37

Instrument :

BNA_E

ClientSampleId :

D9KT2

Tot Ion: 276 Resp: 29790

Ion Ratio Lower Upper

276 100

277 27.6 21.3 31.9

138 41.0 25.5 38.3

