

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072915\
 Data File : BE090287.D
 Acq On : 29 Jul 2015 18:28
 Operator : TP/IZ
 Sample : MDL-05-S
 Misc : MDL-SIM2.2-SOIL-0.15PPM
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-05-S

Quant Time: Jul 30 02:30:55 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 30 01:55:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	927	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	3751	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2296	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5232	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	3616	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2091	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.95	152	2307	0.40	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	5755	0.40	ng/ul	0.00

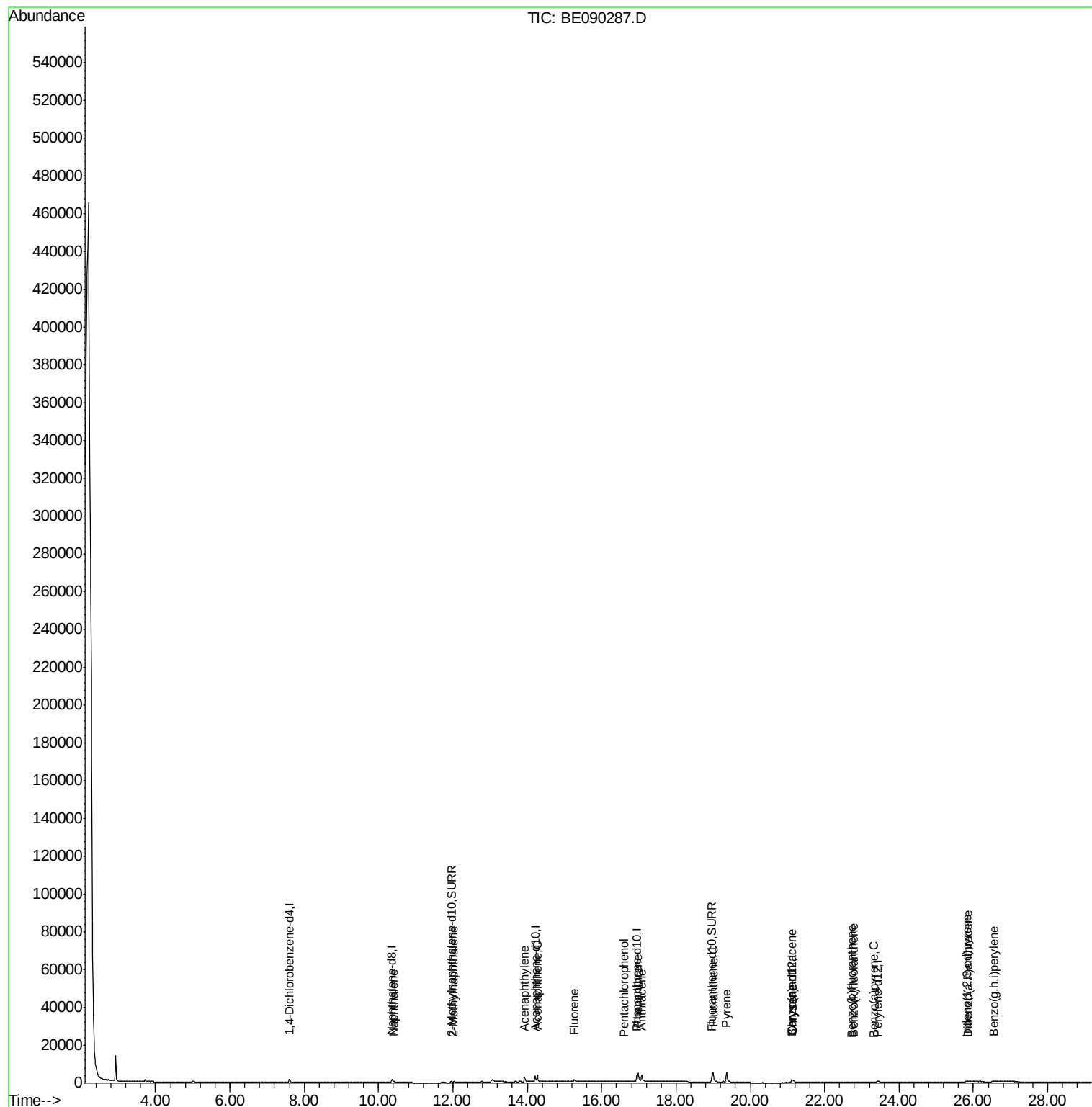
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.41	128	1203	0.12	ng/ul#	88
5) 2-Methylnaphthalene	12.03	142	715	0.11	ng/ul	100
7) Acenaphthylene	13.92	152	5612	0.12	ng/ul#	92
8) Acenaphthene	14.27	153	4059	0.11	ng/ul	98
9) Fluorene	15.26	166	1076	0.11	ng/ul#	93
11) Pentachlorophenol	16.61	266	54	0.16	ng/ul#	84
12) Phenanthrene	16.98	178	6646	0.12	ng/ul#	93
13) Anthracene	17.07	178	7083m	0.12	ng/ul	
15) Fluoranthene	19.00	202	8043	0.12	ng/ul	95
17) Pyrene	19.36	202	8694	0.13	ng/ul	96
18) Benzo(a)anthracene	21.10	228	670m	0.12	ng/ul	
19) Chrysene	21.15	228	2184m	0.14	ng/ul	
21) Benzo(b)fluoranthene	22.72	252	463m	0.15	ng/ul	
22) Benzo(k)fluoranthene	22.76	252	1385m	0.14	ng/ul	
23) Benzo(a)pyrene	23.32	252	490	0.11	ng/ul#	67
24) Indeno(1,2,3-cd)pyrene	25.83	276	1420	0.11	ng/ul#	95
25) Dibenzo(a,h)anthracene	25.85	278	246m	0.16	ng/ul	
26) Benzo(g,h,i)perylene	26.56	276	2052	0.11	ng/ul#	65

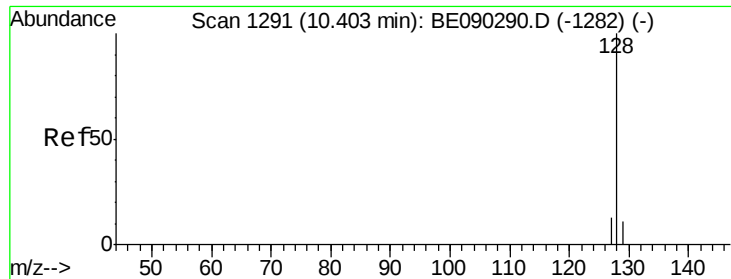
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
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#3

Naphthalene

Concen: 0.12 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.01 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

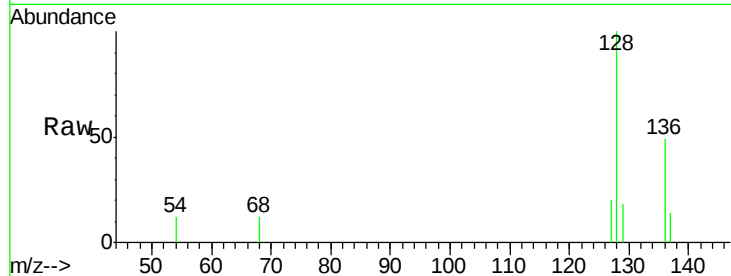
Tgt Ion:128 Resp: 1203

Ion Ratio Lower Upper

128 100

129 18.2 10.4 15.6#

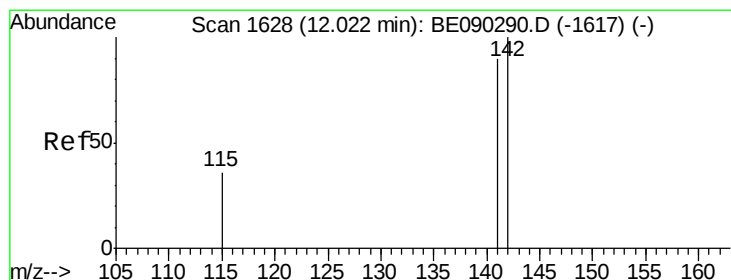
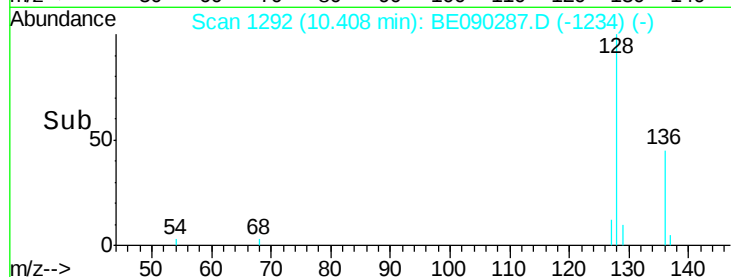
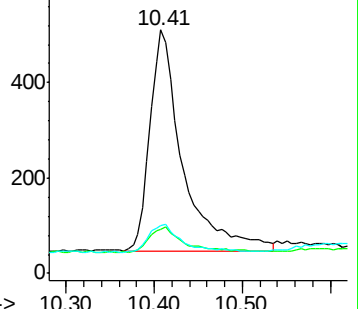
127 19.8 12.1 18.1#



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



#5

2-Methylnaphthalene

Concen: 0.11 ng/ul

RT: 12.03 min Scan# 1629

Delta R.T. 0.00 min

Lab File: BE090287.D

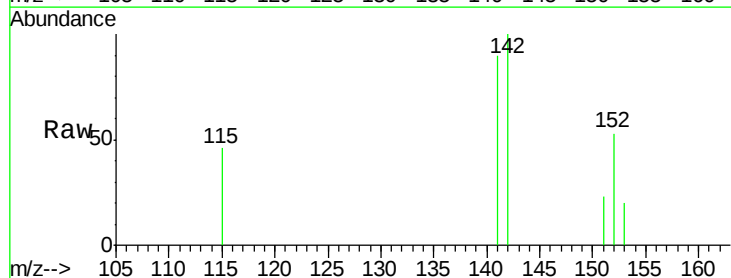
Acq: 29 Jul 2015 18:28

Tgt Ion:142 Resp: 715

Ion Ratio Lower Upper

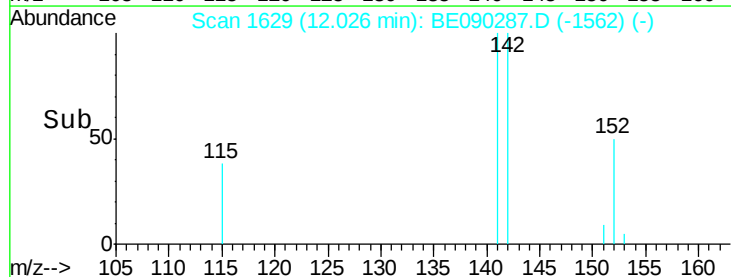
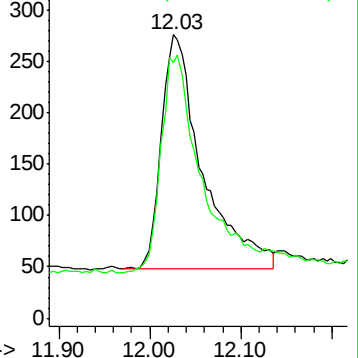
142 100

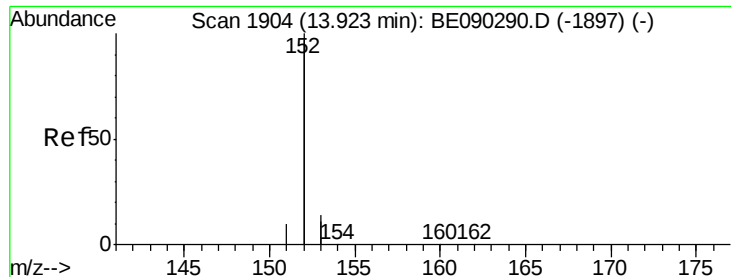
141 90.9 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.12 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. -0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

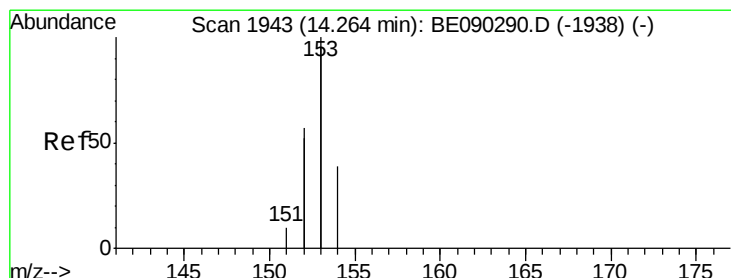
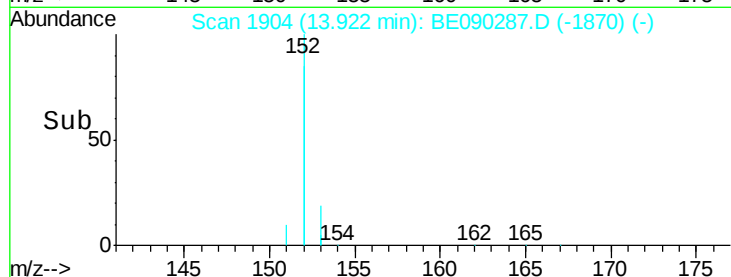
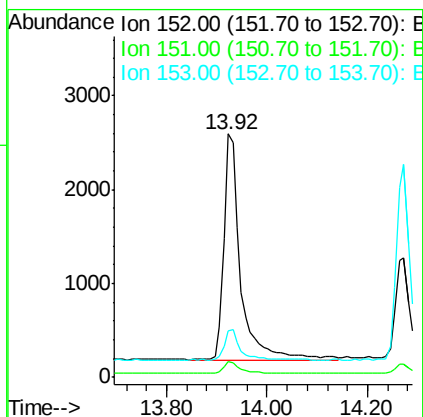
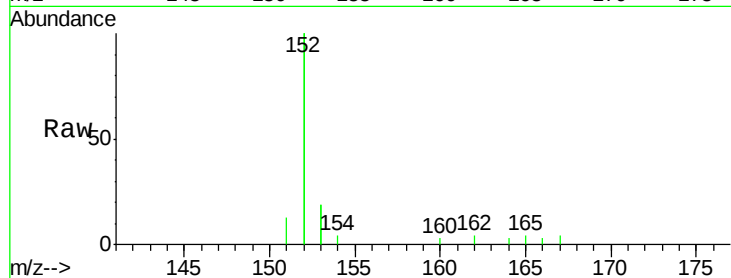
Tgt Ion:152 Resp: 5612

Ion Ratio Lower Upper

152 100

151 6.7 4.3 6.5#

153 19.1 11.9 17.9#



#8

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

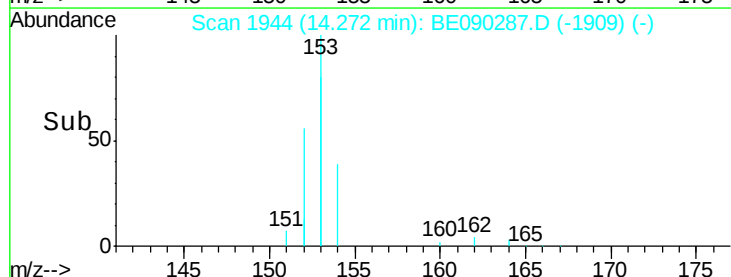
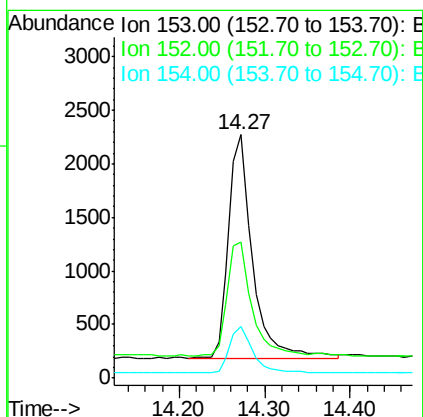
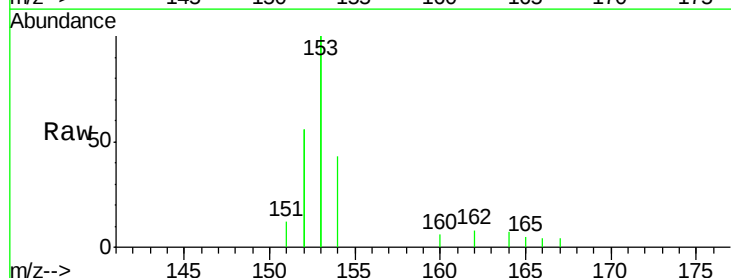
Tgt Ion:153 Resp: 4059

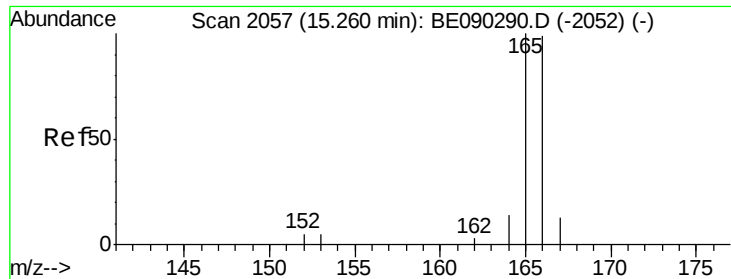
Ion Ratio Lower Upper

153 100

152 55.8 45.7 68.5

154 21.4 16.4 24.6





#9

Fluorene

Concen: 0.11 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. -0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

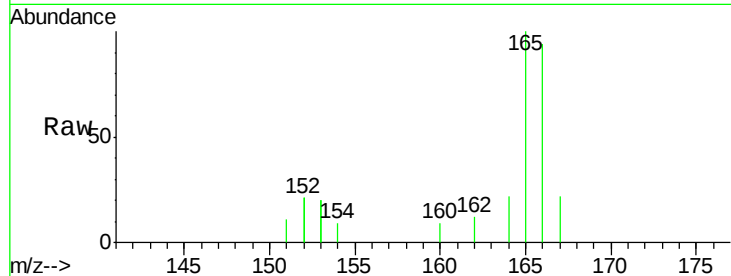
Tgt Ion:166 Resp: 1076

Ion Ratio Lower Upper

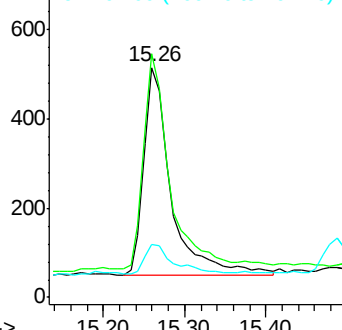
166 100

165 106.0 80.3 120.5

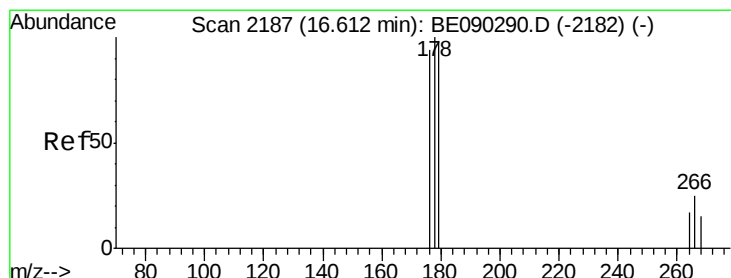
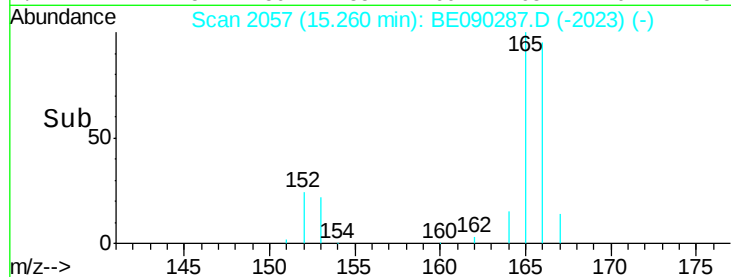
167 22.9 12.4 18.6#



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



Time-->



#11

Pentachlorophenol

Concen: 0.16 ng/ul

RT: 16.61 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

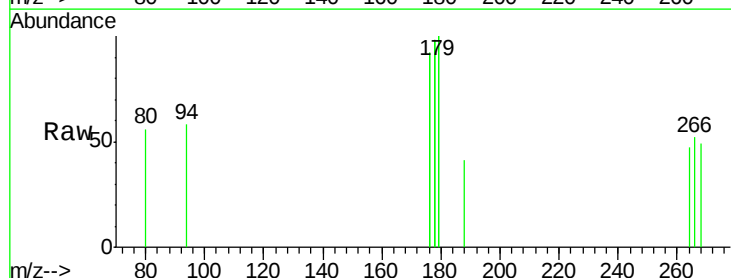
Tgt Ion:266 Resp: 54

Ion Ratio Lower Upper

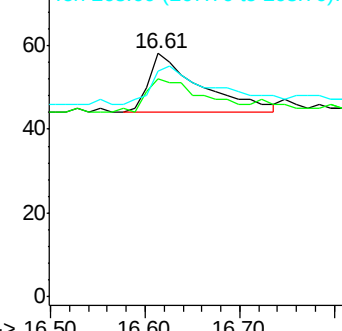
266 100

264 61.1 43.4 65.0

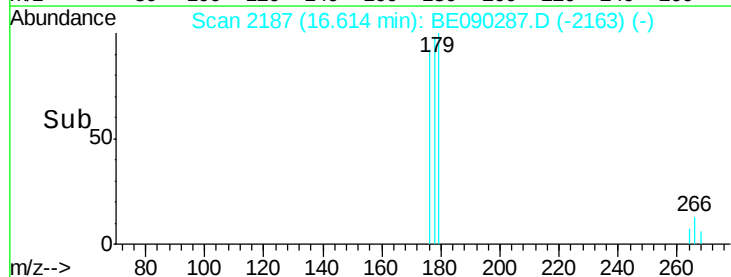
268 72.2 44.6 66.8#

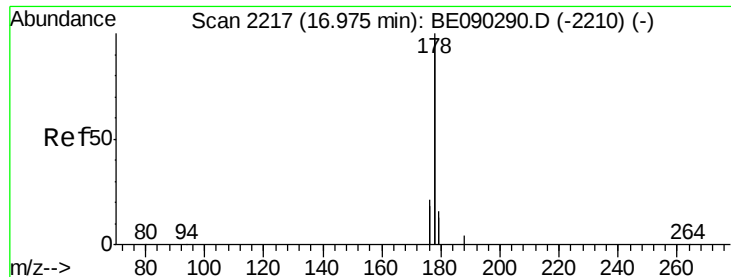


Abundance Ion 266.00 (265.70 to 266.70): E
Ion 264.00 (263.70 to 264.70): E
Ion 268.00 (267.70 to 268.70): E



Time-->





#12

Phenanthrene

Concen: 0.12 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

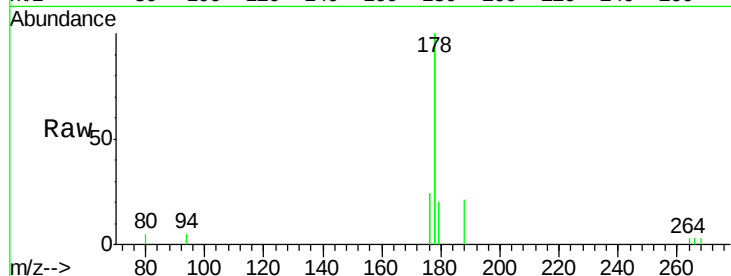
Tgt Ion:178 Resp: 6646

Ion Ratio Lower Upper

178 100

176 24.3 17.3 25.9

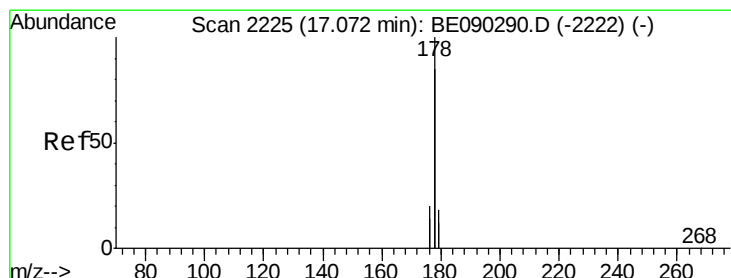
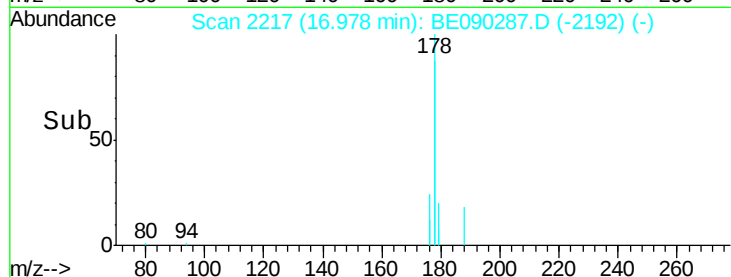
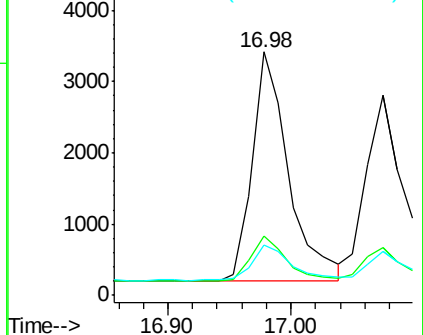
179 20.4 13.1 19.7#



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



#13

Anthracene

Concen: 0.12 ng/ul m

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

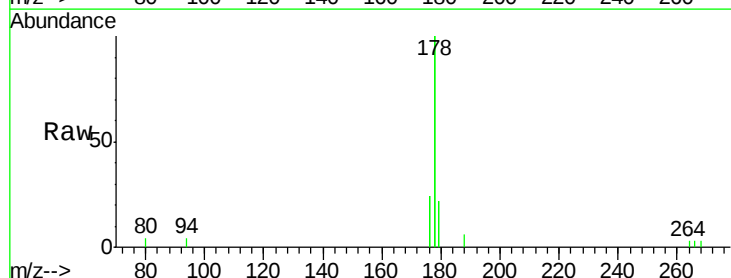
Tgt Ion:178 Resp: 7083

Ion Ratio Lower Upper

178 100

176 23.6 16.4 24.6

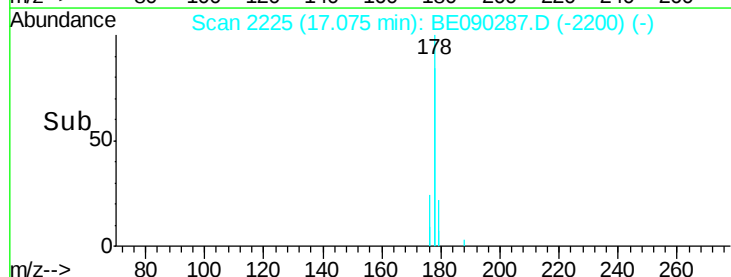
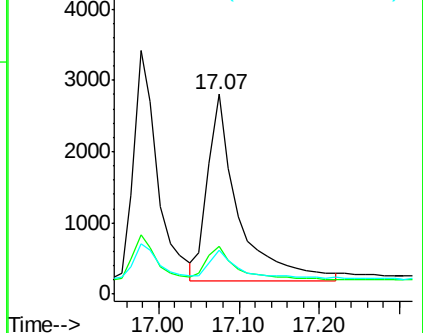
179 22.2 13.9 20.9#

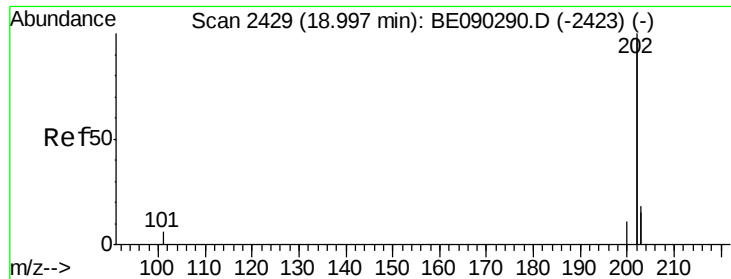


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.12 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

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ClientSampleId :

MDL-05-S

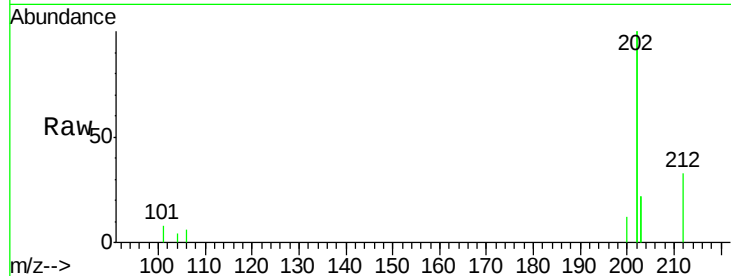
Tgt Ion:202 Resp: 8043

Ion Ratio Lower Upper

202 100

101 3.9 0.0 22.9

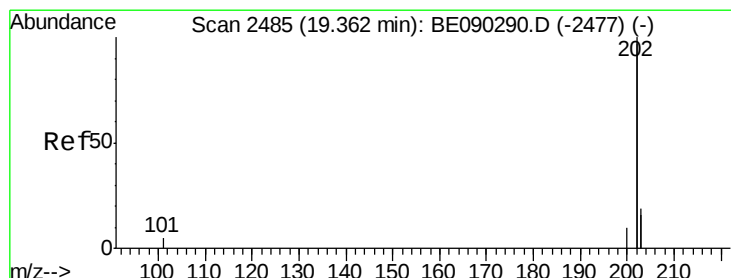
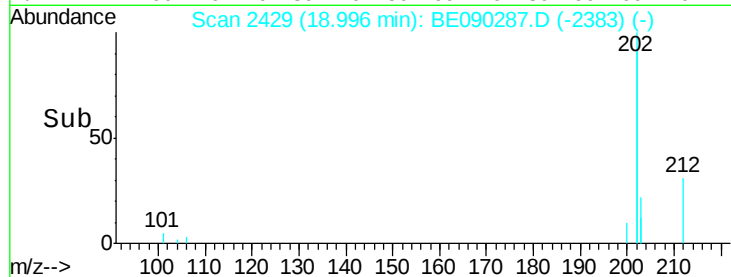
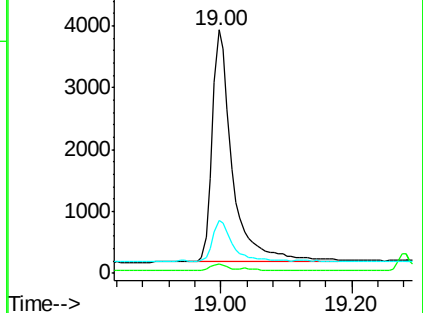
203 21.5 0.0 39.0



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



#17

Pyrene

Concen: 0.13 ng/ul

RT: 19.36 min Scan# 2485

Delta R.T. 0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

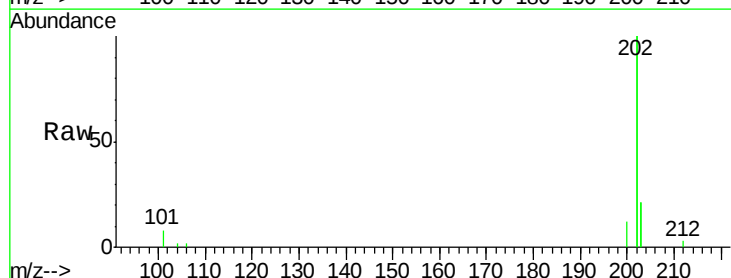
Tgt Ion:202 Resp: 8694

Ion Ratio Lower Upper

202 100

200 5.8 4.5 6.7

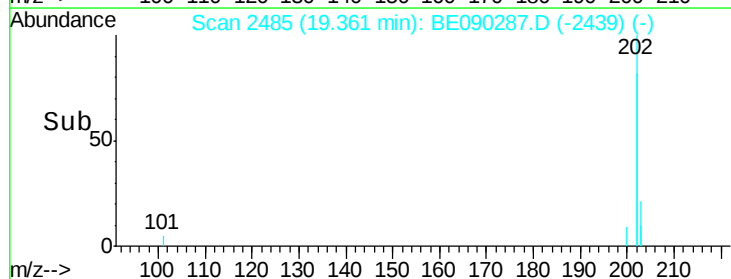
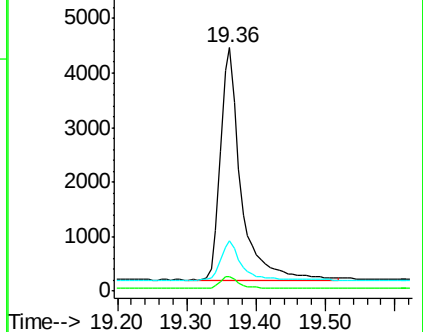
203 20.5 14.4 21.6

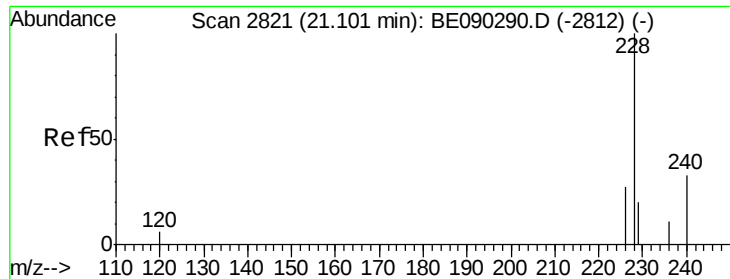


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.12 ng/ul m

RT: 21.10 min Scan# 2820

Delta R.T. -0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

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ClientSampleId :

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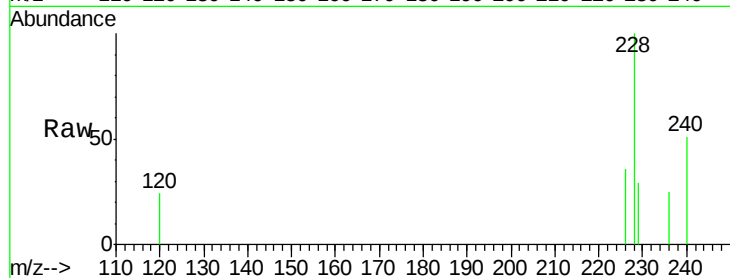
Tgt Ion:228 Resp: 670

Ion Ratio Lower Upper

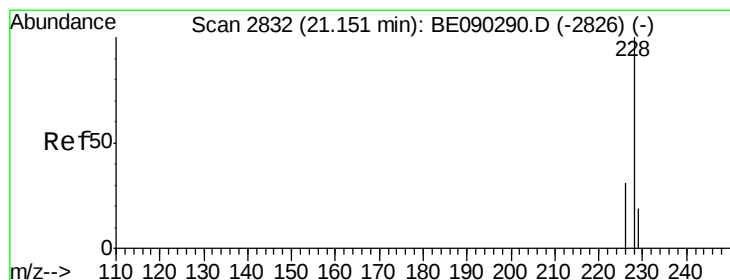
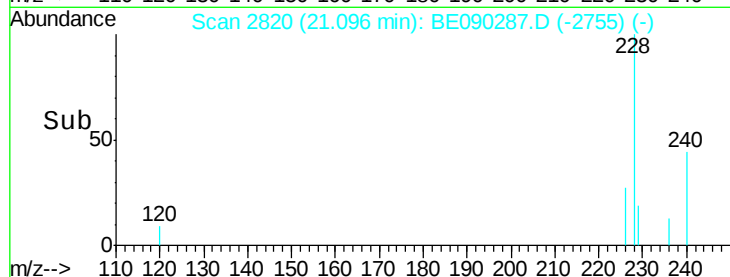
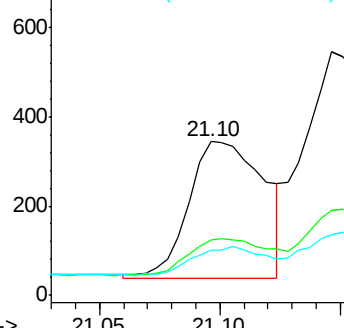
228 100

226 36.3 24.6 36.8

229 29.4 17.9 26.9#



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



#19

Chrysene

Concen: 0.14 ng/ul m

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

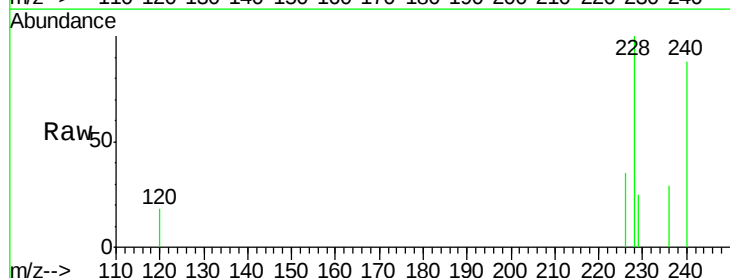
Tgt Ion:228 Resp: 2184

Ion Ratio Lower Upper

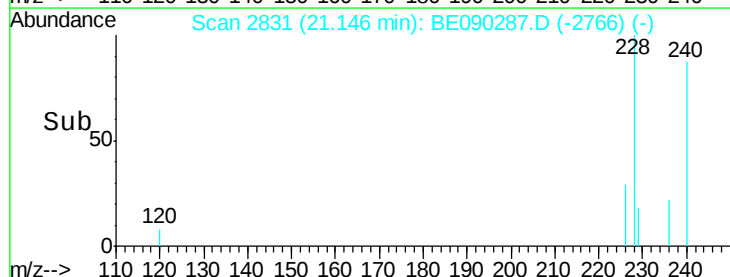
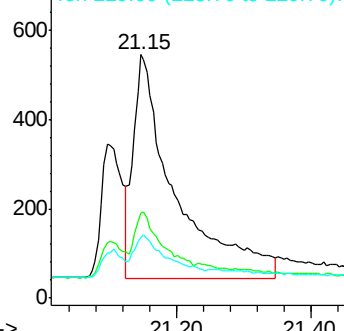
228 100

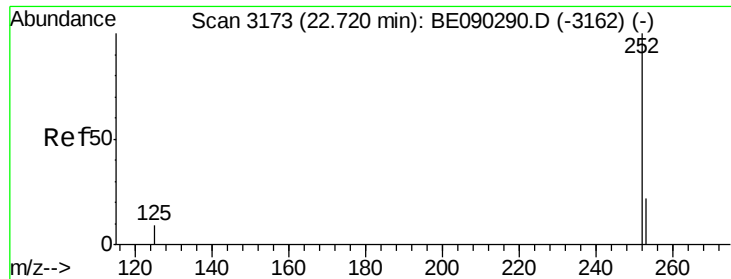
226 34.9 25.0 37.4

229 25.2 16.6 24.8#



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

Benzo(b)fluoranthene

Concen: 0.15 ng/ul m

RT: 22.72 min Scan# 3173

Delta R.T. -0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

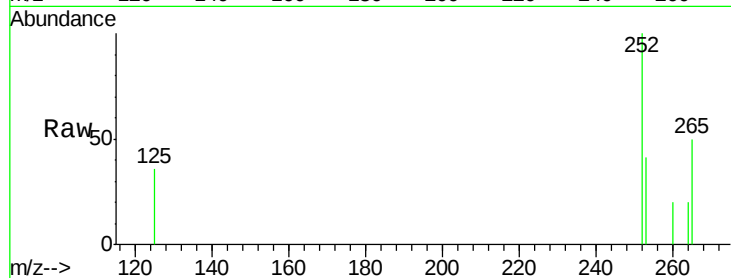
Tgt Ion:252 Resp: 463

Ion Ratio Lower Upper

252 100

253 41.0 0.0 57.2

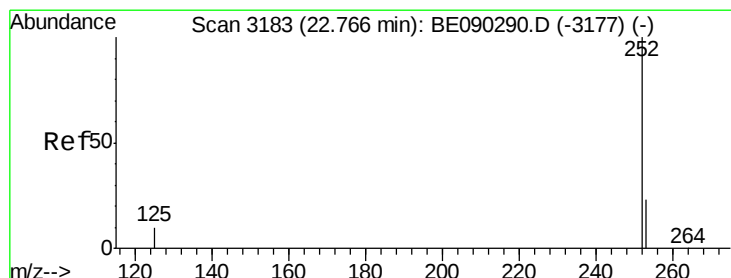
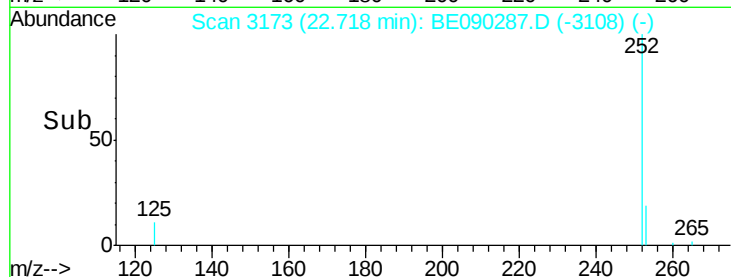
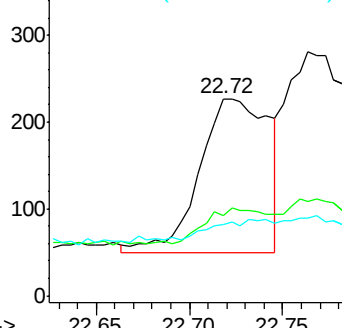
125 36.1 0.0 34.6#



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



#22

Benzo(k)fluoranthene

Concen: 0.14 ng/ul m

RT: 22.76 min Scan# 3183

Delta R.T. -0.00 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

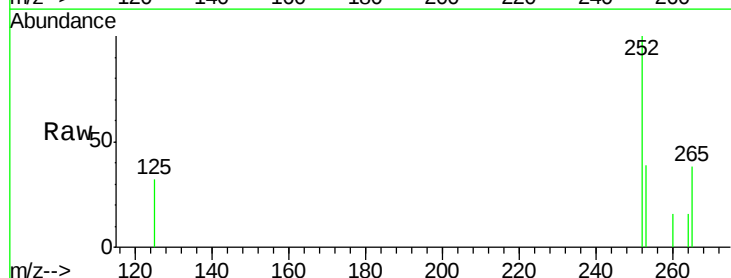
Tgt Ion:252 Resp: 1385

Ion Ratio Lower Upper

252 100

253 38.8 21.3 31.9#

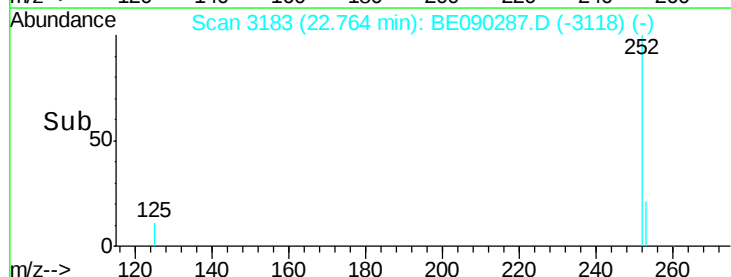
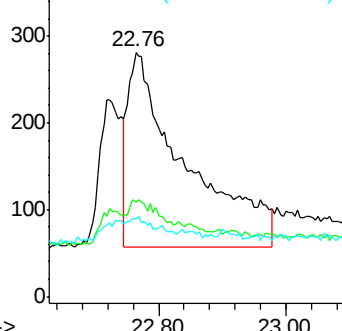
125 32.0 13.3 19.9#

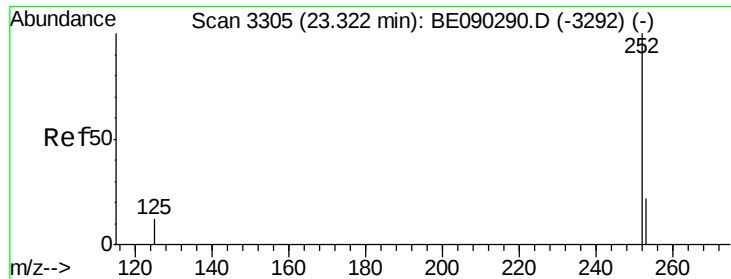


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.11 ng/ul

RT: 23.32 min Scan# 3306

Delta R.T. 0.01 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

Instrument :

BNA_E

ClientSampleId :

MDL-05-S

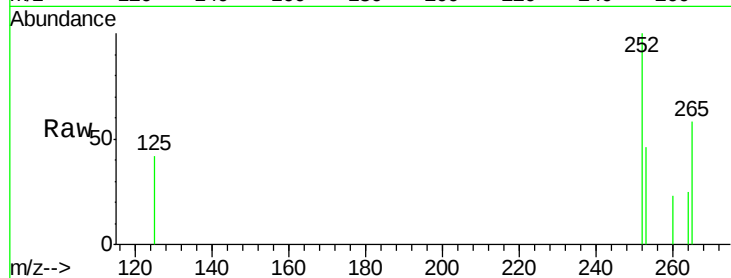
Tgt Ion: 252 Resp: 490

Ion Ratio Lower Upper

252 100

253 45.8 24.9 37.3#

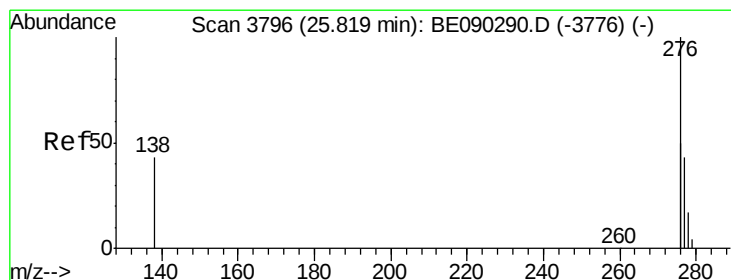
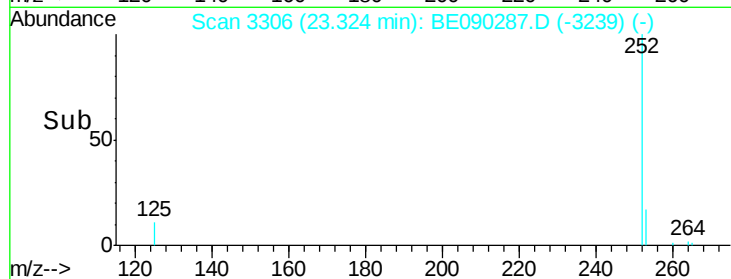
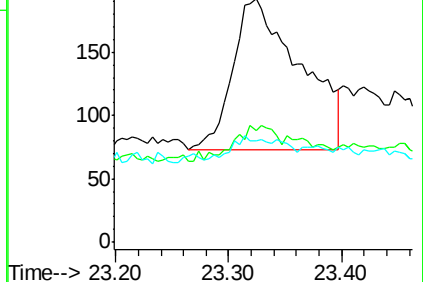
125 41.7 17.5 26.3#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.11 ng/ul

RT: 25.83 min Scan# 3798

Delta R.T. 0.01 min

Lab File: BE090287.D

Acq: 29 Jul 2015 18:28

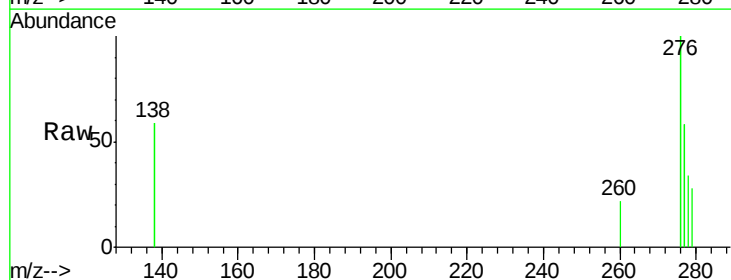
Tgt Ion: 276 Resp: 1420

Ion Ratio Lower Upper

276 100

138 20.6 13.5 20.3#

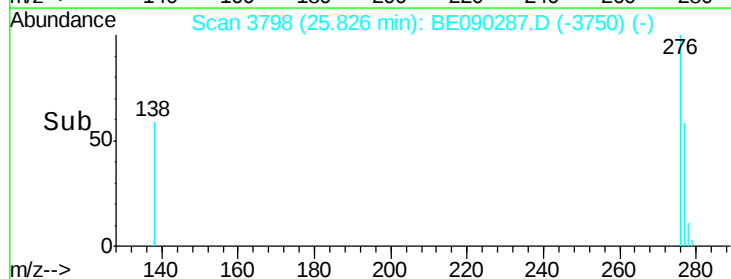
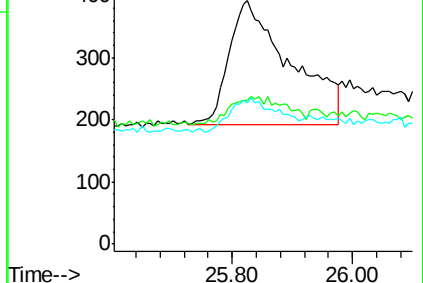
277 21.3 16.4 24.6

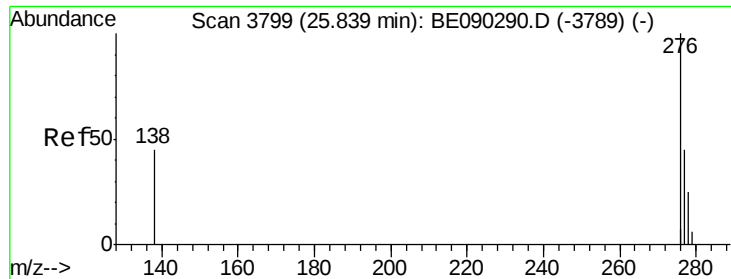


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

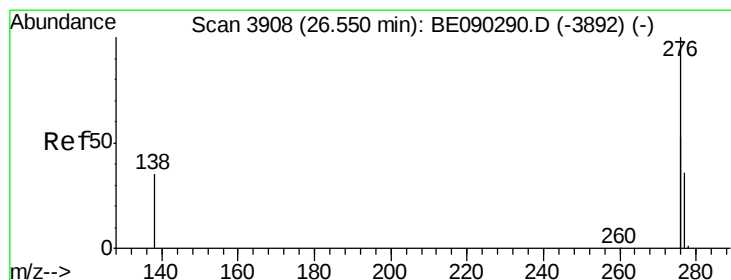
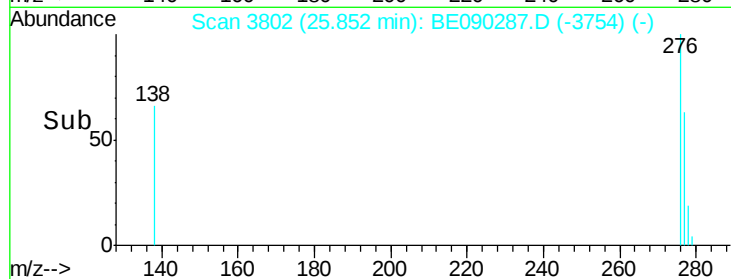
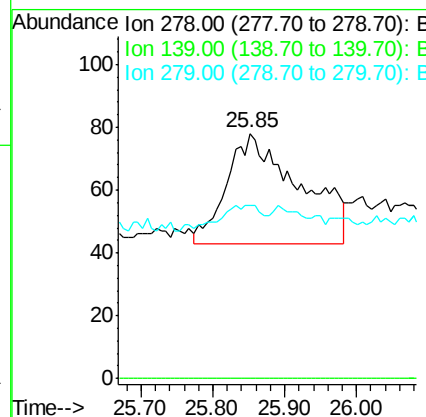
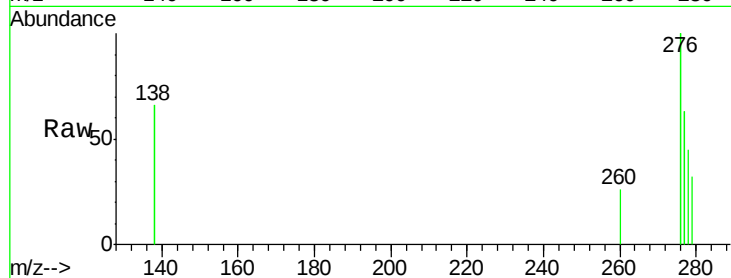




#25
Dibenzo(a,h)anthracene
Concen: 0.16 ng/ul m
RT: 25.85 min Scan# 3802
Delta R.T. 0.01 min
Lab File: BE090287.D
Acq: 29 Jul 2015 18:28

Instrument :
BNA_E
ClientSampleId :
MDL-05-S

Tgt Ion: 278 Resp: 246
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 70.5 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.11 ng/ul
RT: 26.56 min Scan# 3911
Delta R.T. 0.02 min
Lab File: BE090287.D
Acq: 29 Jul 2015 18:28

Tgt Ion: 276 Resp: 2052
Ion Ratio Lower Upper
276 100
277 48.2 25.5 38.3#
138 52.1 23.9 35.9#

