

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090274.D
 Acq On : 28 Jul 2015 18:15
 Operator : TP/IZ
 Sample : MDL-02-S
 Misc : MDL-SIM-SOIL-0.15PPM
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-02-S

Quant Time: Jul 29 04:35:01 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 : Wed Jul 29 04:26:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1013	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4118	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2499	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5443	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3565	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2147	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	11.96	152	2353	0.37	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	5830	0.39	ng/ul	0.00

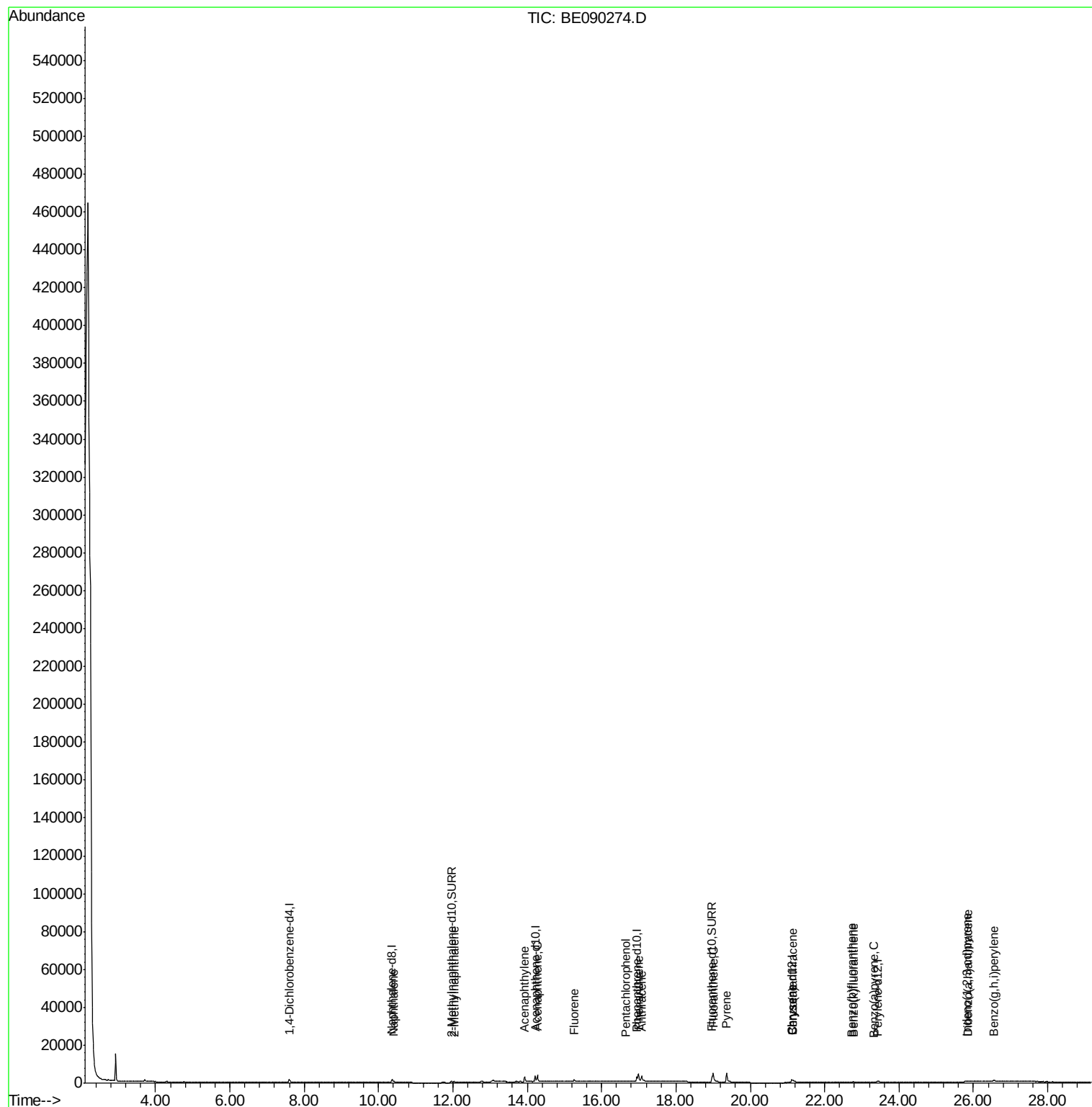
Target Compounds				Qvalue		
3) Naphthalene	10.41	128	1181	0.11	ng/ul#	82
5) 2-Methylnaphthalene	12.03	142	752	0.11	ng/ul	99
7) Acenaphthylene	13.92	152	5566	0.11	ng/ul#	92
8) Acenaphthene	14.27	153	4102	0.11	ng/ul	98
9) Fluorene	15.26	166	1061	0.10	ng/ul#	91
11) Pentachlorophenol	16.65	266	9	0.03	ng/ul#	47
12) Phenanthrene	16.99	178	6219	0.11	ng/ul#	91
13) Anthracene	17.07	178	6596	0.11	ng/ul#	89
15) Fluoranthene	19.00	202	8075	0.12	ng/ul	93
17) Pyrene	19.36	202	8243	0.12	ng/ul	94
18) Benzo(a)anthracene	21.15	228	1778	0.34	ng/ul	94
19) Chrysene	21.15	228	1778	0.11	ng/ul#	93
21) Benzo(b)fluoranthene	22.72	252	445	0.14	ng/ul	77
22) Benzo(k)fluoranthene	22.77	252	797	0.08	ng/ul#	77
23) Benzo(a)pyrene	23.32	252	609	0.14	ng/ul#	76
24) Indeno(1,2,3-cd)pyrene	25.83	276	1566	0.12	ng/ul#	89
25) Dibenzo(a,h)anthracene	25.85	278	169	0.10	ng/ul#	67
26) Benzo(g,h,i)perylene	26.55	276	2855	0.15	ng/ul#	76

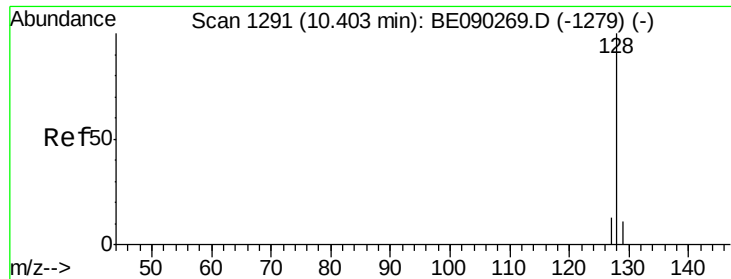
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.11 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

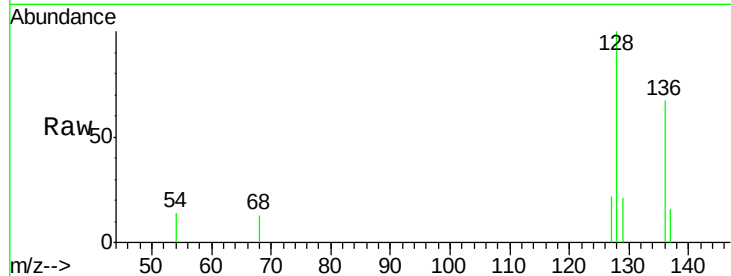
Tgt Ion:128 Resp: 1181

Ion Ratio Lower Upper

128 100

129 21.1 10.4 15.6#

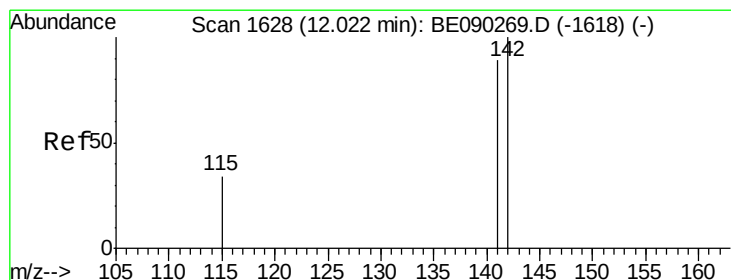
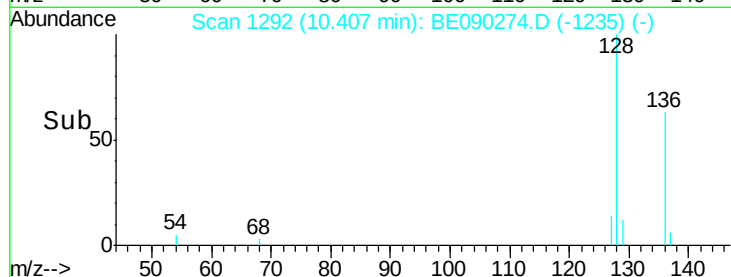
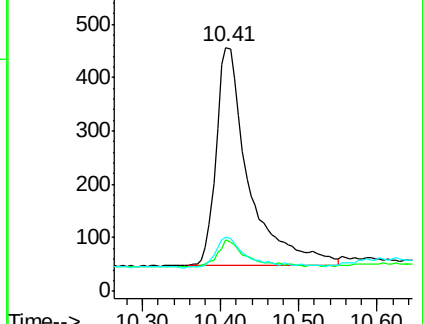
127 21.9 12.1 18.1#



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# 1630

Delta R.T. 0.01 min

Lab File: BE090274.D

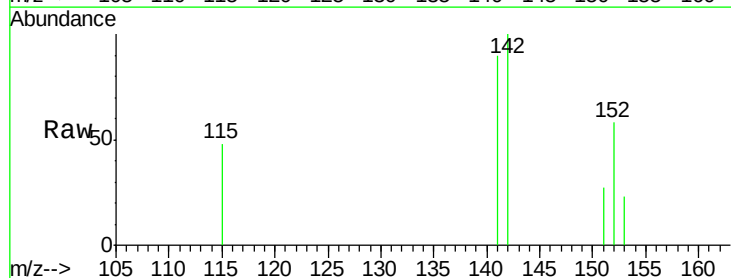
Acq: 28 Jul 2015 18:15

Tgt Ion:142 Resp: 752

Ion Ratio Lower Upper

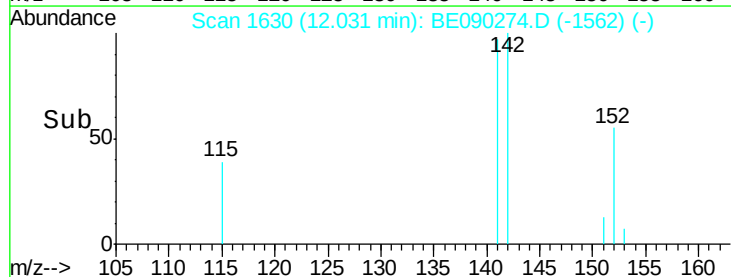
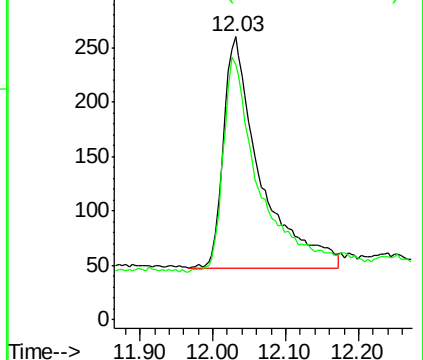
142 100

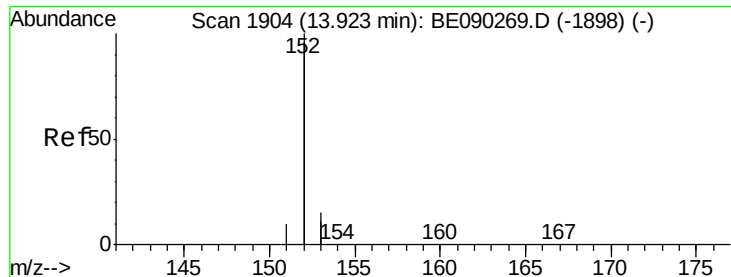
141 91.9 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.11 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Instrument :

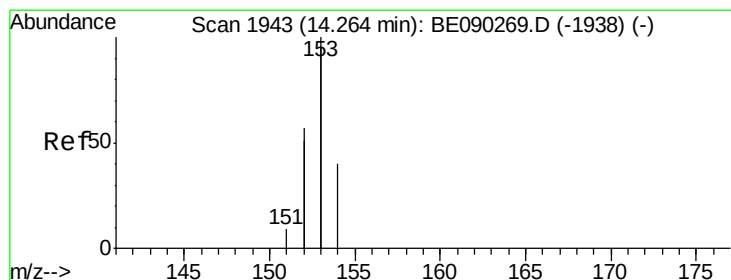
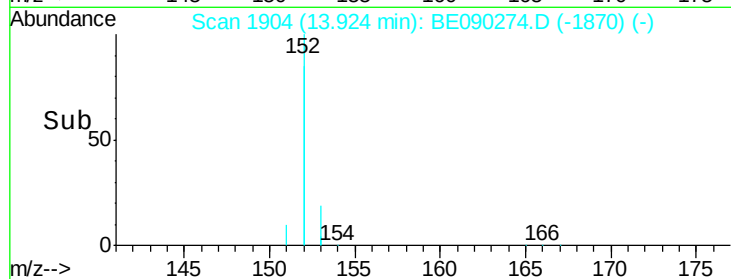
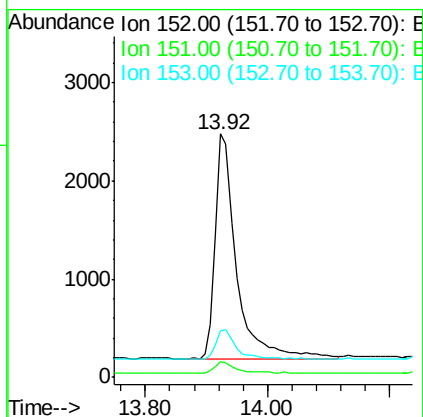
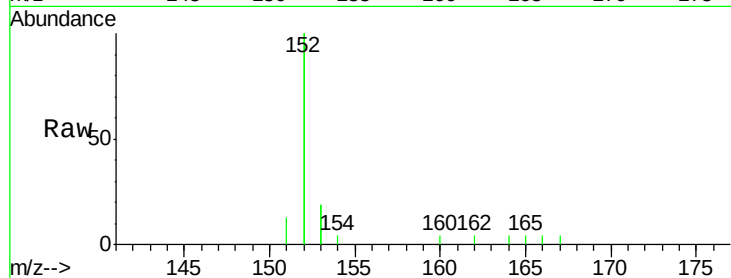
BNA_E

ClientSampleId :

MDL-02-S

Tgt Ion:152 Resp: 5566

Ion	Ratio	Lower	Upper
152	100		
151	6.7	4.3	6.5#
153	19.0	11.9	17.9#



#8

Acenaphthene

Concen: 0.11 ng/ul

RT: 14.27 min Scan# 1944

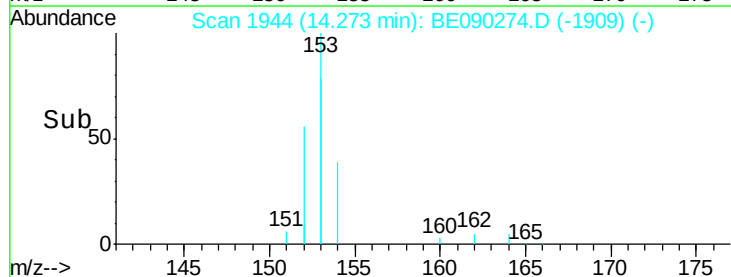
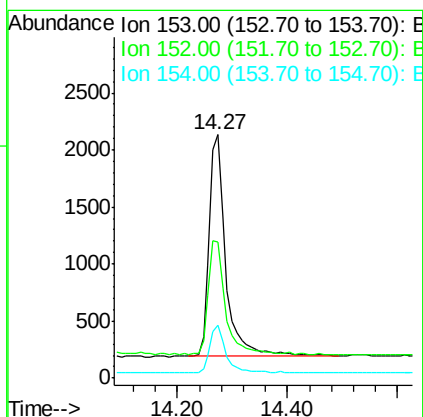
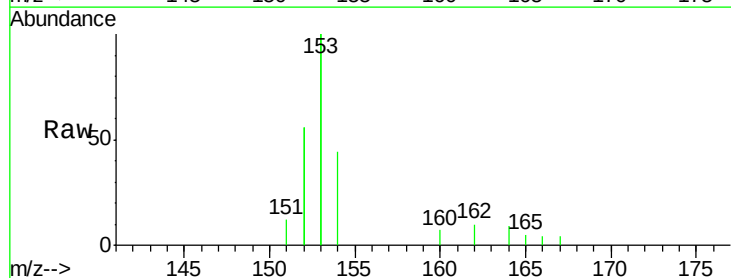
Delta R.T. 0.01 min

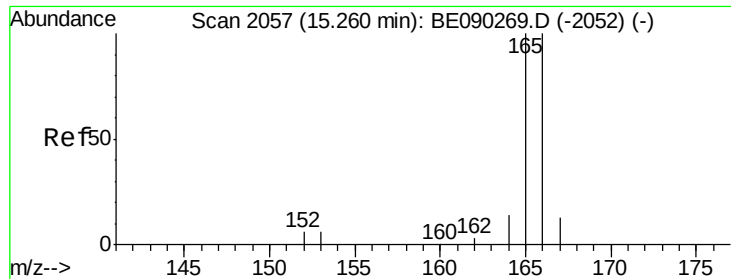
Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Tgt Ion:153 Resp: 4102

Ion	Ratio	Lower	Upper
153	100		
152	55.7	45.7	68.5
154	21.9	16.4	24.6





#9

Fluorene

Concen: 0.10 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Instrument :

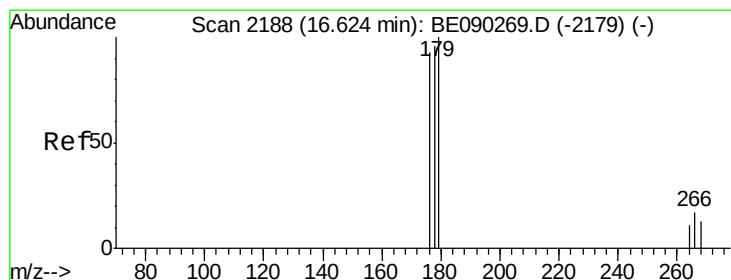
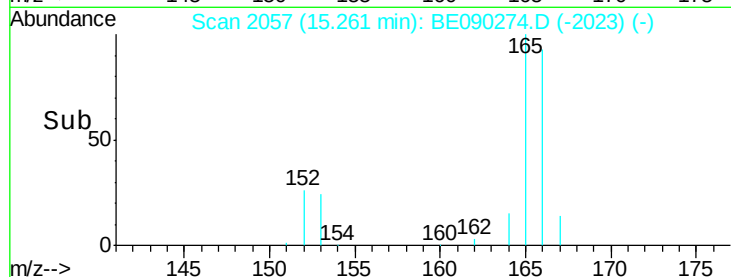
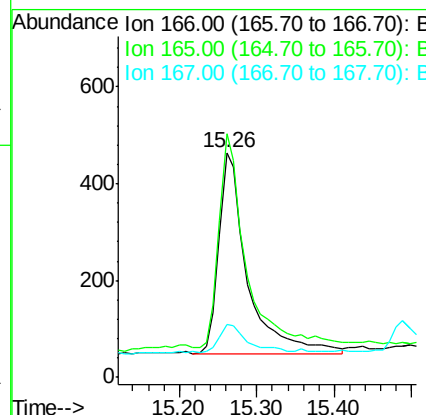
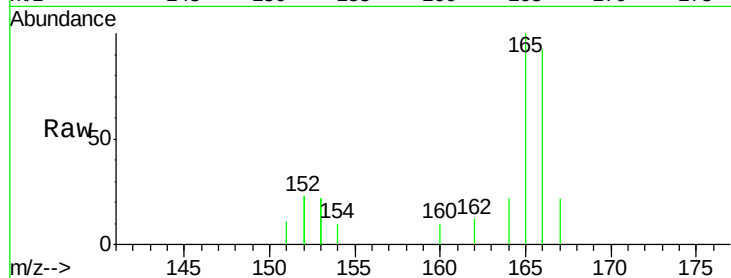
BNA_E

ClientSampleId :

MDL-02-S

Tgt Ion:166 Resp: 1061

Ion	Ratio	Lower	Upper
166	100		
165	108.4	80.3	120.5
167	23.5	12.4	18.6#



#11

Pentachlorophenol

Concen: 0.03 ng/ul

RT: 16.65 min Scan# 2190

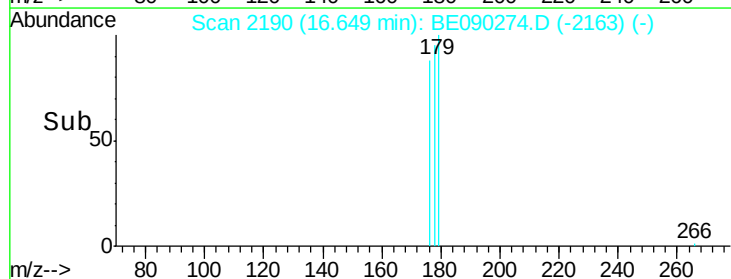
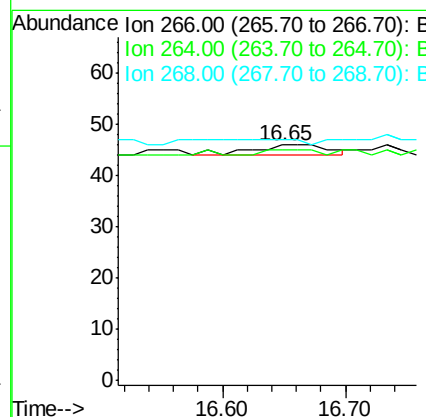
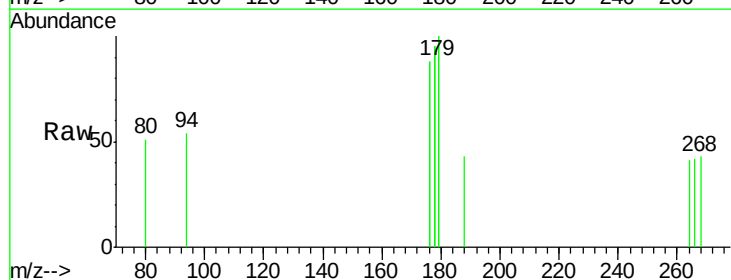
Delta R.T. 0.02 min

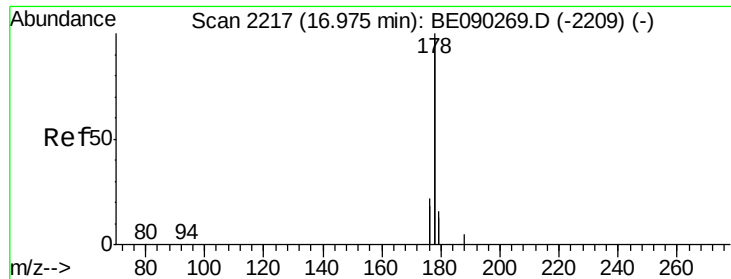
Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Tgt Ion:266 Resp: 9

Ion	Ratio	Lower	Upper
266	100		
264	33.3	43.4	65.0#
268	0.0	44.6	66.8#





#12

Phenanthrene

Concen: 0.11 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

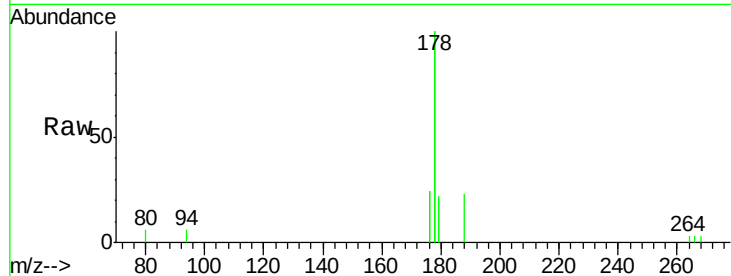
Tgt Ion:178 Resp: 6219

Ion Ratio Lower Upper

178 100

176 24.3 17.3 25.9

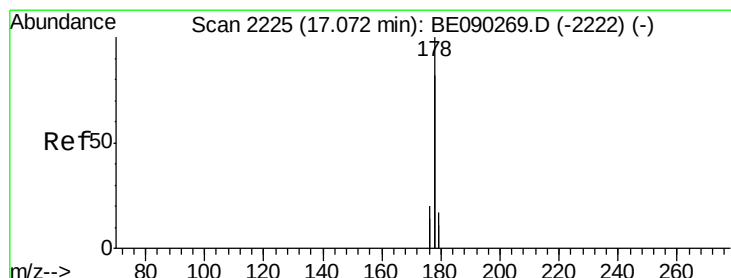
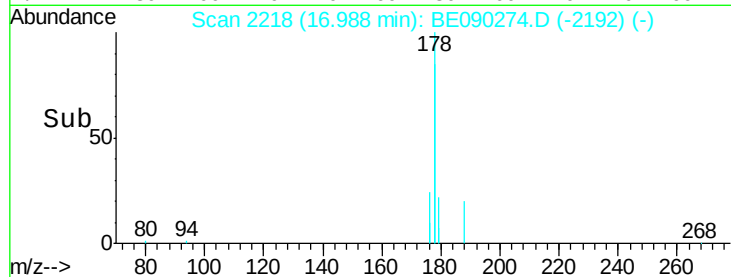
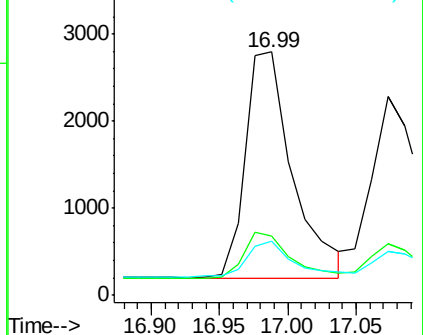
179 22.2 13.1 19.7#



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: 0.11 ng/ul

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

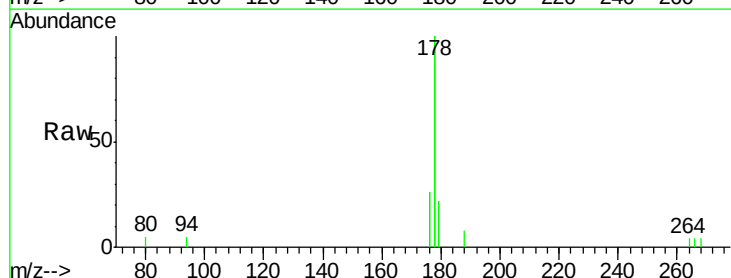
Tgt Ion:178 Resp: 6596

Ion Ratio Lower Upper

178 100

176 25.9 16.4 24.6#

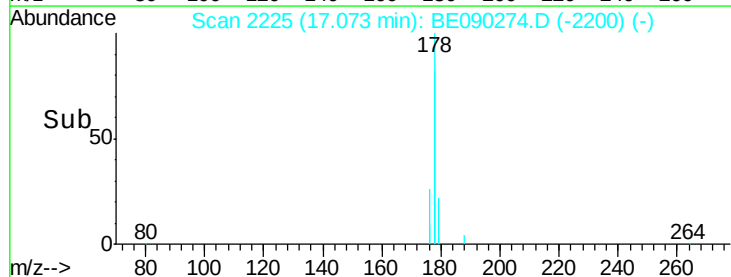
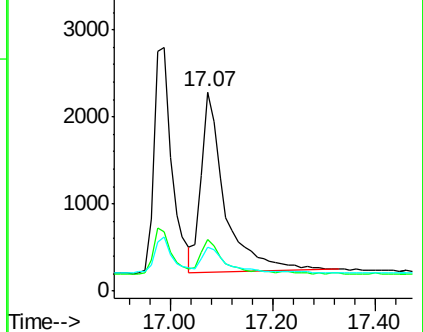
179 22.2 13.9 20.9#

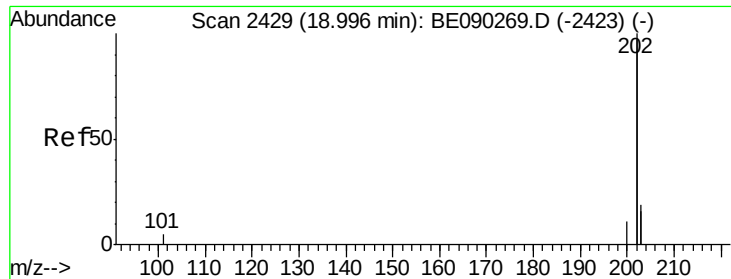


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

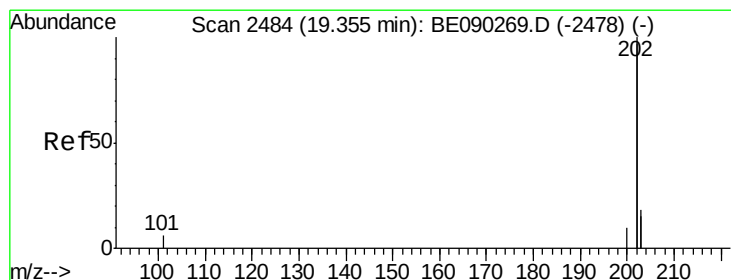
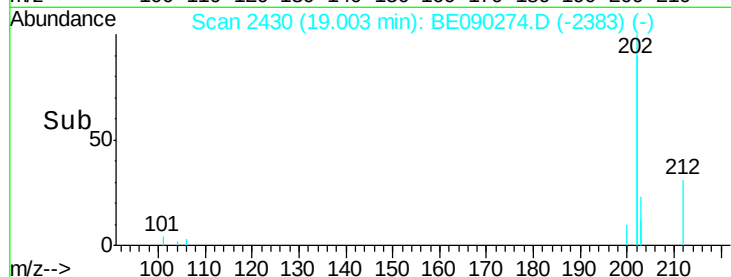
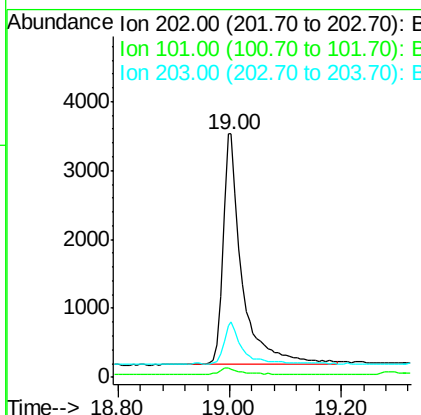
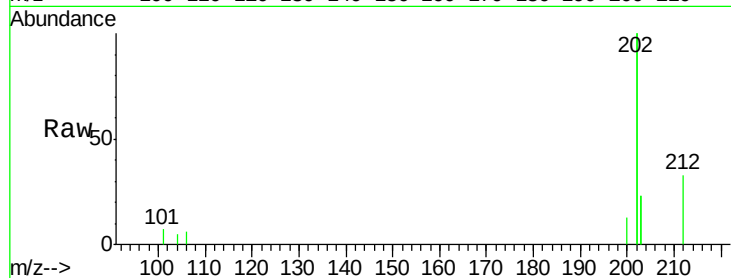




#15
Fluoranthene
Concen: 0.12 ng/ul
RT: 19.00 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BE090274.D
Acq: 28 Jul 2015 18:15

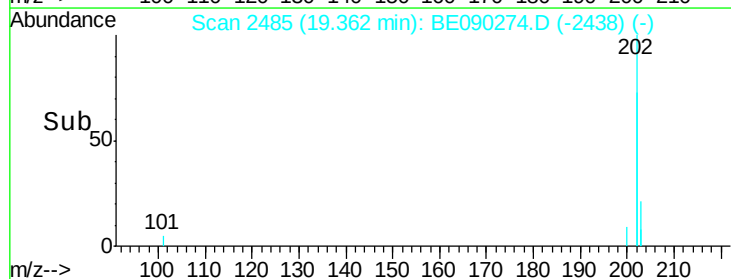
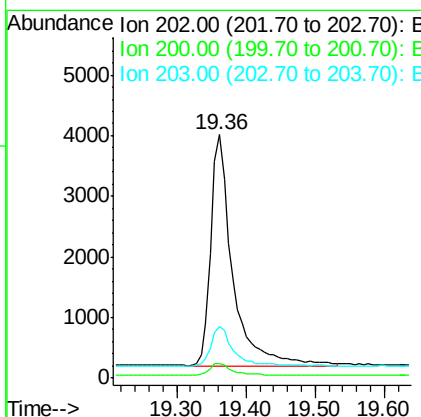
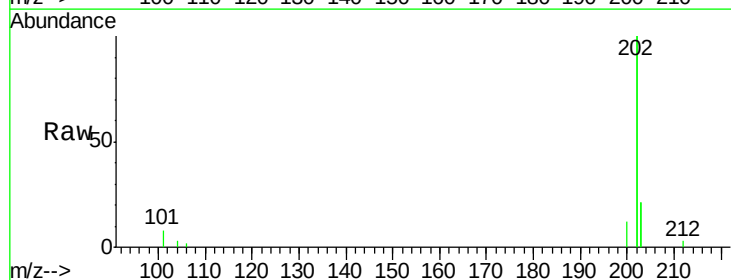
Instrument :
BNA_E
ClientSampleId :
MDL-02-S

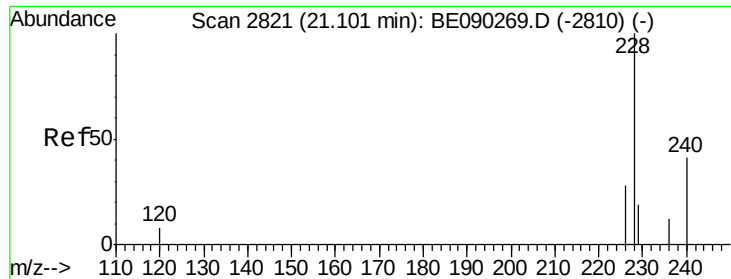
Tgt Ion:202 Resp: 8075
Ion Ratio Lower Upper
202 100
101 3.6 0.0 22.9
203 22.5 0.0 39.0



#17
Pyrene
Concen: 0.12 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. 0.01 min
Lab File: BE090274.D
Acq: 28 Jul 2015 18:15

Tgt Ion:202 Resp: 8243
Ion Ratio Lower Upper
202 100
200 6.2 4.5 6.7
203 21.2 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.34 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.05 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

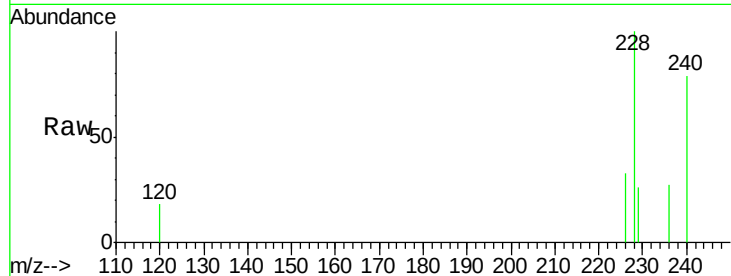
Tgt Ion:228 Resp: 1778

Ion Ratio Lower Upper

228 100

226 33.2 24.6 36.8

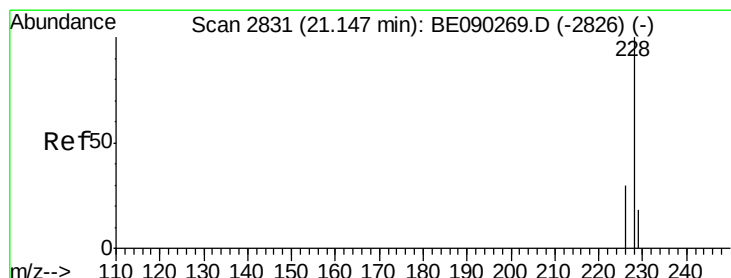
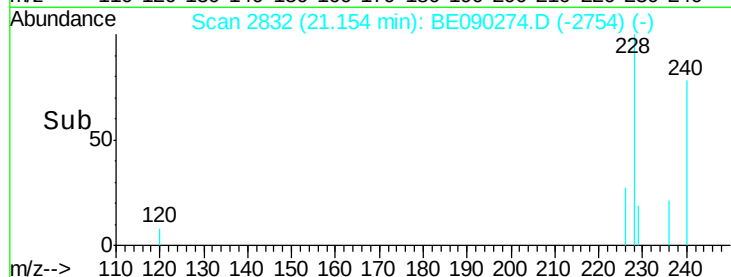
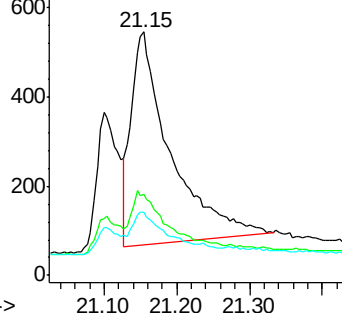
229 25.9 17.9 26.9



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: 0.11 ng/ul

RT: 21.15 min Scan# 2832

Delta R.T. 0.01 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

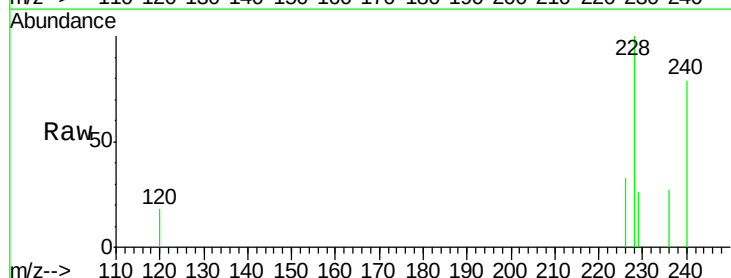
Tgt Ion:228 Resp: 1778

Ion Ratio Lower Upper

228 100

226 33.2 25.0 37.4

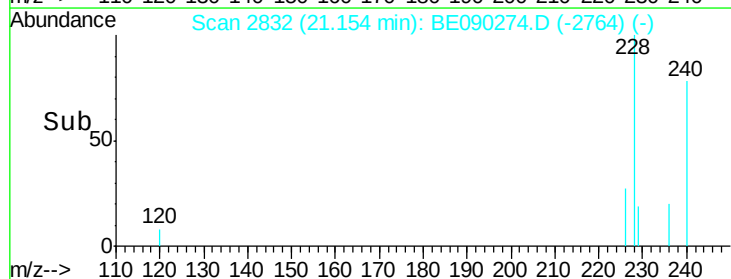
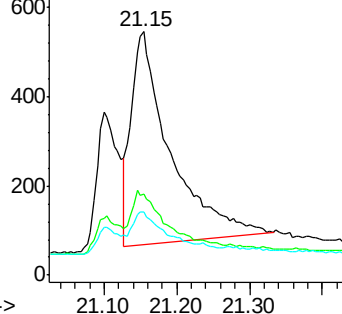
229 25.9 16.6 24.8#

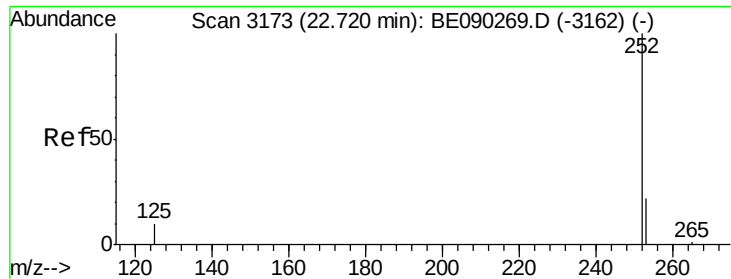


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.14 ng/ul

RT: 22.72 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

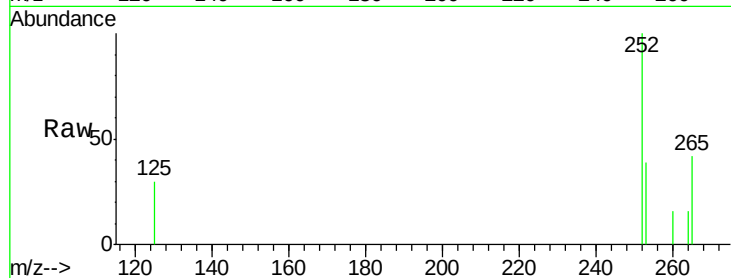
Tgt Ion:252 Resp: 445

Ion Ratio Lower Upper

252 100

253 39.1 0.0 57.2

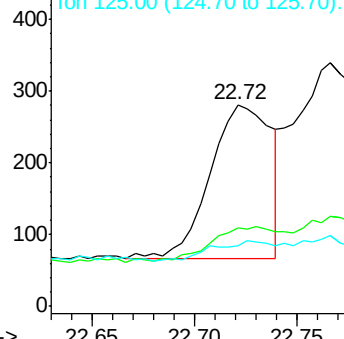
125 29.9 0.0 34.6



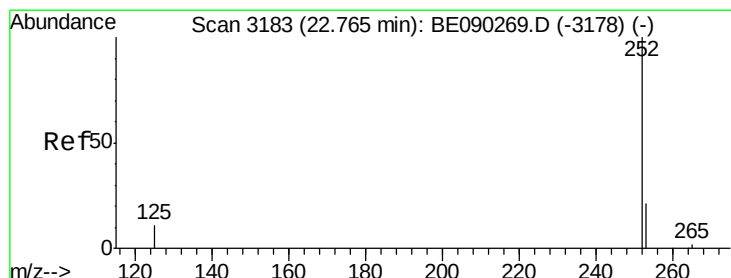
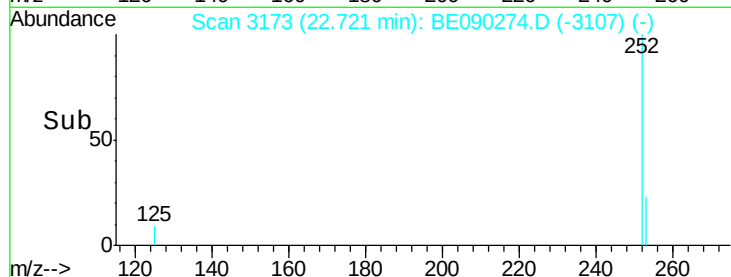
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.08 ng/ul

RT: 22.77 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

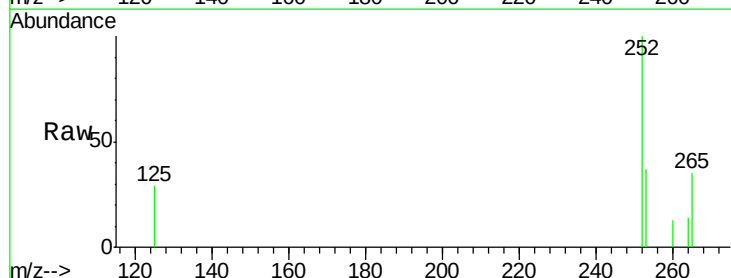
Tgt Ion:252 Resp: 797

Ion Ratio Lower Upper

252 100

253 36.9 21.3 31.9#

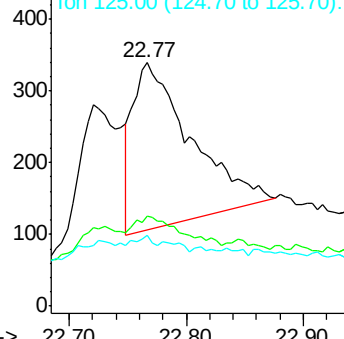
125 28.9 13.3 19.9#



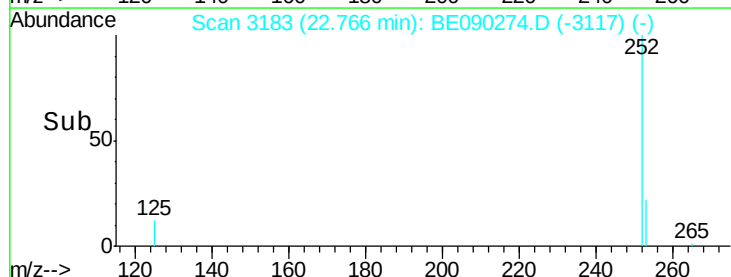
Abundance Ion 252.00 (251.70 to 252.70): E

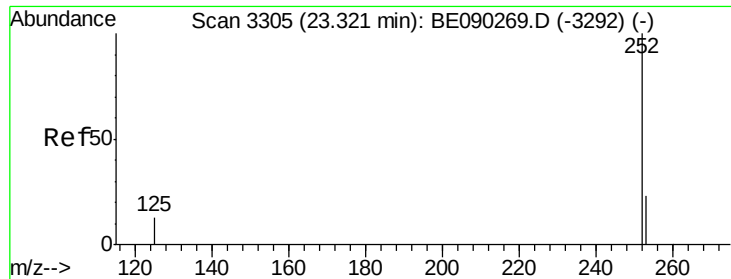
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.14 ng/ul

RT: 23.32 min Scan# 3305

Delta R.T. 0.00 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

Instrument :

BNA_E

ClientSampleId :

MDL-02-S

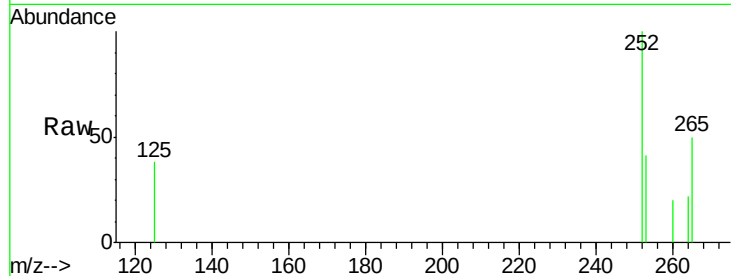
Tgt Ion: 252 Resp: 609

Ion Ratio Lower Upper

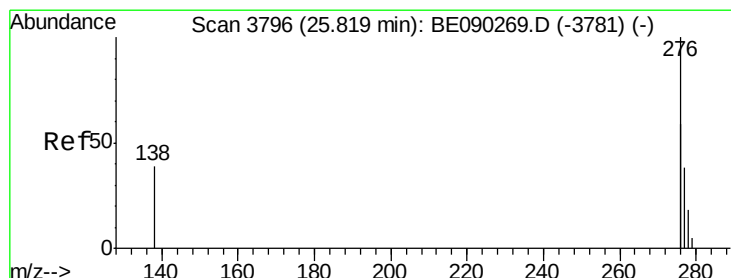
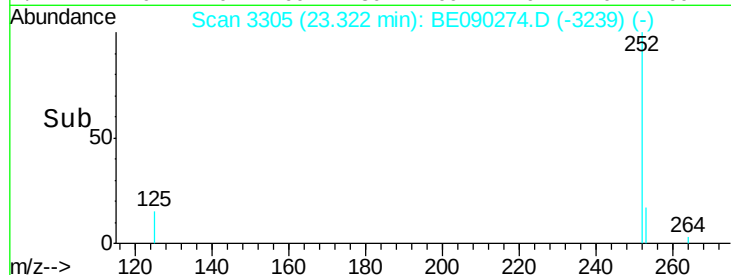
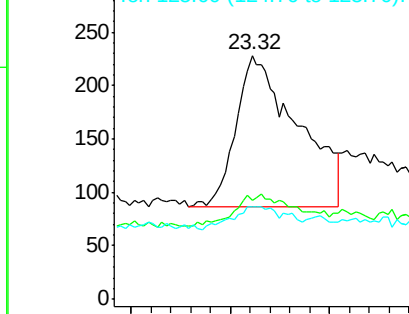
252 100

253 40.8 24.9 37.3#

125 37.7 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: 0.12 ng/ul

RT: 25.83 min Scan# 3797

Delta R.T. 0.01 min

Lab File: BE090274.D

Acq: 28 Jul 2015 18:15

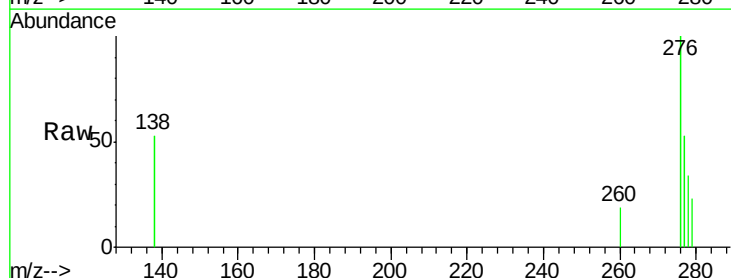
Tgt Ion: 276 Resp: 1566

Ion Ratio Lower Upper

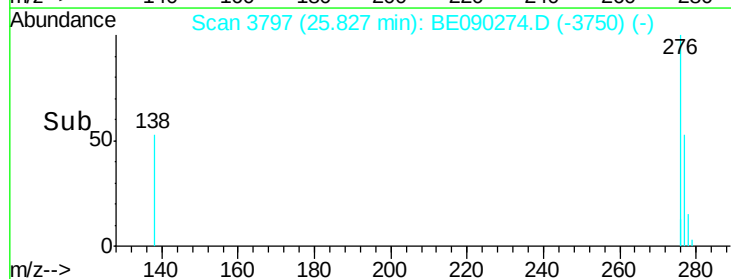
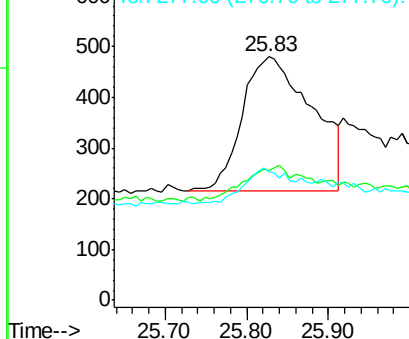
276 100

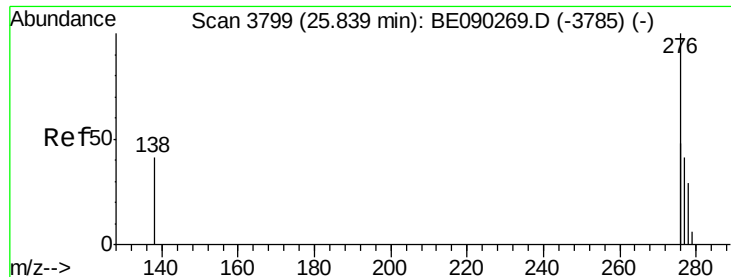
138 21.9 13.5 20.3#

277 15.6 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

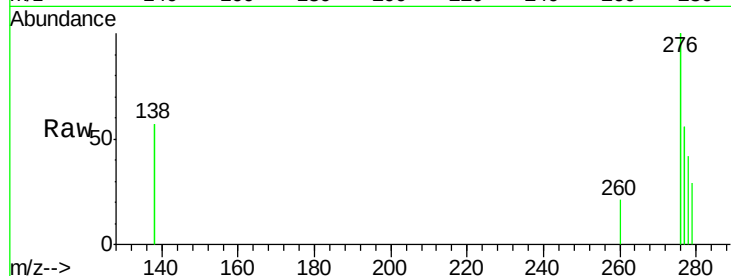




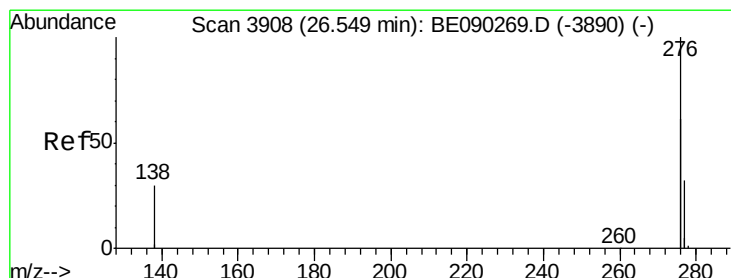
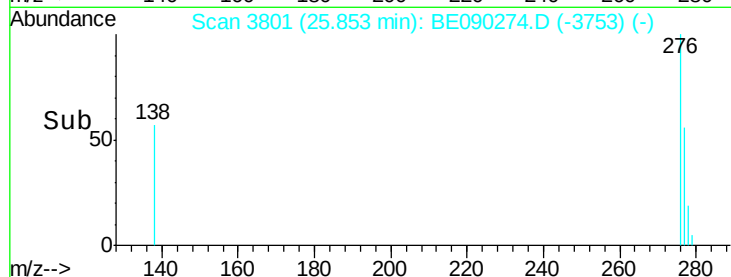
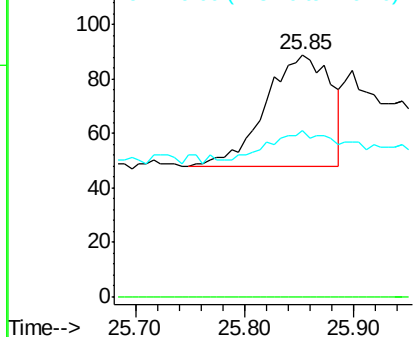
#25
Dibenzo(a,h)anthracene
Concen: 0.10 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BE090274.D
Acq: 28 Jul 2015 18:15

Instrument :
BNA_E
ClientSampleId :
MDL-02-S

Tgt Ion: 278 Resp: 169
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 68.5 37.4 56.0#

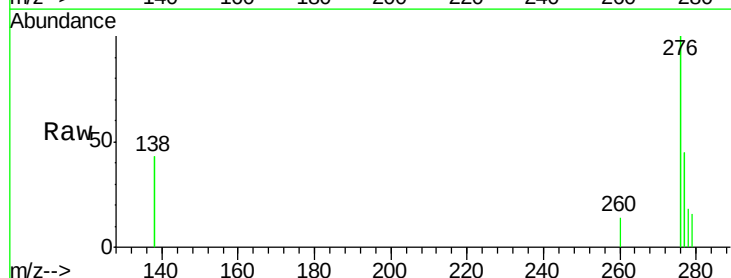


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.15 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE090274.D
Acq: 28 Jul 2015 18:15

Tgt Ion: 276 Resp: 2855
Ion Ratio Lower Upper
276 100
277 45.3 25.5 38.3#
138 43.2 23.9 35.9#



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

