

Data Path : Z:\HPCHEM1\BNA E\DATA\BE072915\
 Data File : BE090289.D
 Acq On : 29 Jul 2015 19:43
 Operator : TP/IZ
 Sample : MDL-07-S
 Misc : MDL-SIM2.2-SOIL-0.15PPM
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 MDL-07-S

Quant Time: Jul 30 01:57:22 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	958	0.40	ng/ul	0.00
2) Naphthalene-d8	10.36	136	4078	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.21	164	2432	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5453	0.40	ng/ul	0.00
16) Chrysene-d12	21.12	240	3746	0.40	ng/ul	0.00
20) Perylene-d12	23.43	264	2341	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.95	152	2585	0.41	ng/ul	0.00
14) Fluoranthene-d10	18.97	212	6129	0.41	ng/ul	0.00

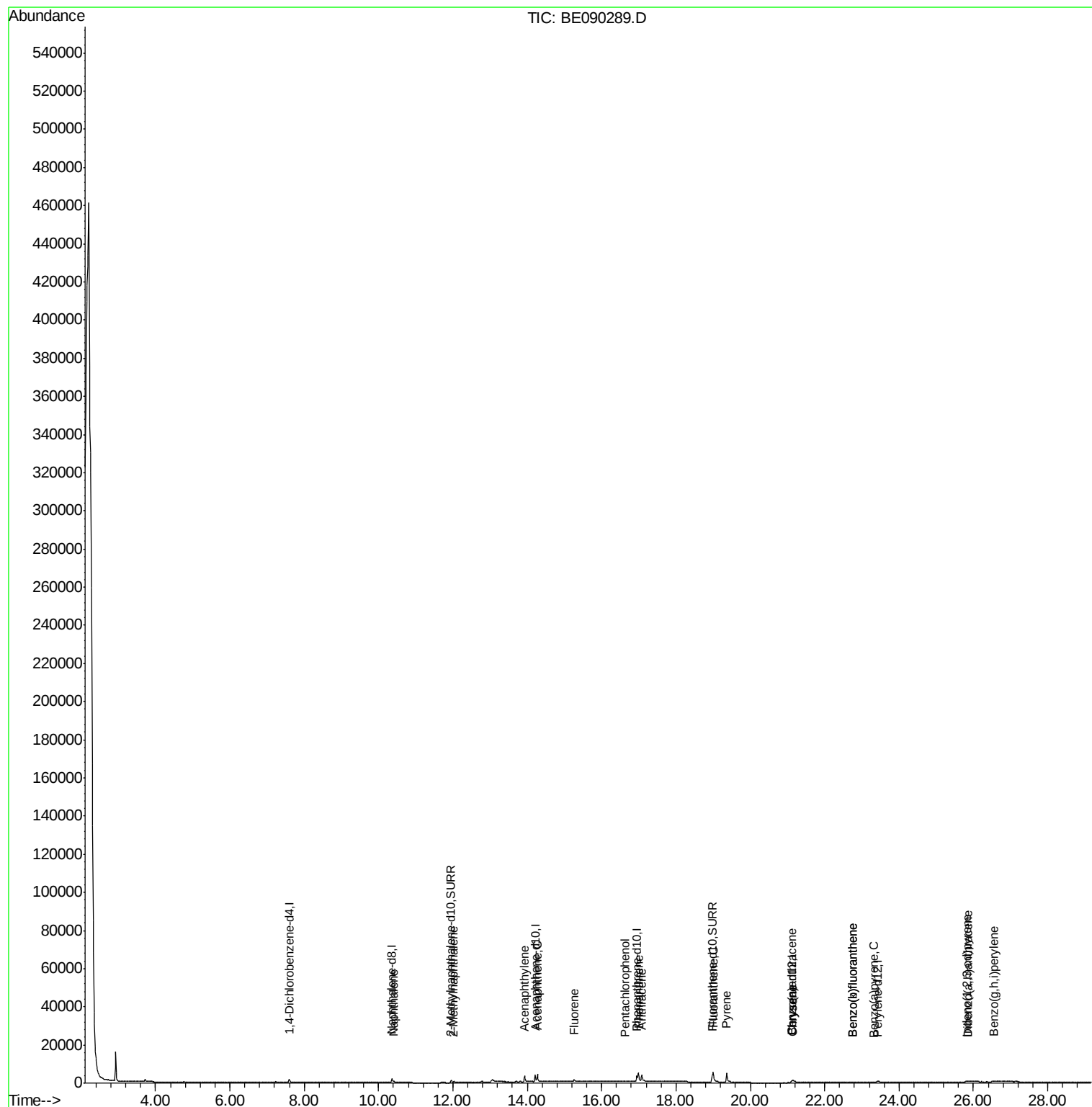
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.41	128	1381	0.13	ng/ul#	90
5) 2-Methylnaphthalene	12.03	142	844	0.12	ng/ul	96
7) Acenaphthylene	13.92	152	6019	0.12	ng/ul#	93
8) Acenaphthene	14.27	153	4443	0.12	ng/ul	98
9) Fluorene	15.26	166	1206	0.12	ng/ul#	91
11) Pentachlorophenol	16.63	266	38	0.11	ng/ul	90
12) Phenanthrene	16.99	178	6814	0.12	ng/ul#	94
13) Anthracene	17.07	178	7186	0.12	ng/ul#	89
15) Fluoranthene	19.00	202	8200	0.12	ng/ul	94
17) Pyrene	19.36	202	8512	0.12	ng/ul	94
18) Benzo(a)anthracene	21.10	228	583	0.10	ng/ul#	83
19) Chrysene	21.15	228	1615	0.10	ng/ul#	90
21) Benzo(b)fluoranthene	22.76	252	688	0.20	ng/ul	70
22) Benzo(k)fluoranthene	22.76	252	688	0.06	ng/ul#	66
23) Benzo(a)pyrene	23.33	252	446	0.09	ng/ul#	60
24) Indeno(1,2,3-cd)pyrene	25.82	276	1232	0.08	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.85	278	167	0.09	ng/ul#	56
26) Benzo(g,h,i)perylene	26.56	276	1614	0.08	ng/ul#	61

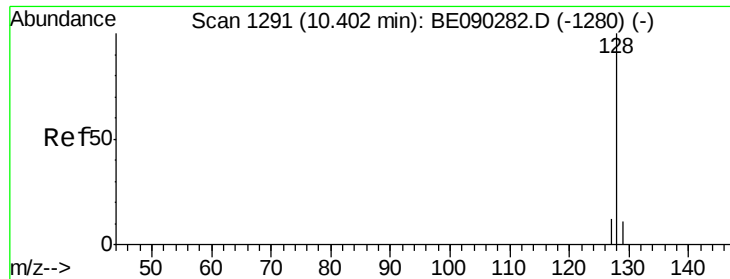
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.13 ng/ul

RT: 10.41 min Scan# 1292

Delta R.T. 0.00 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

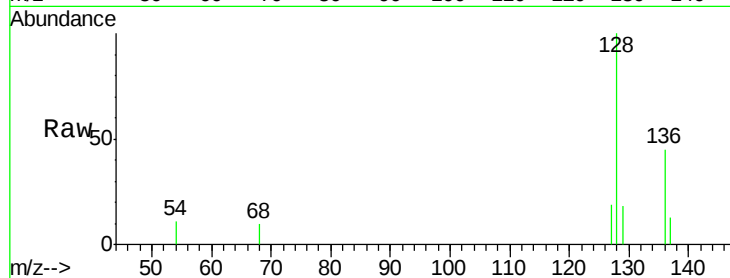
Tot Ion:128 Resp: 1381

Ion Ratio Lower Upper

128 100

129 17.9 10.4 15.6#

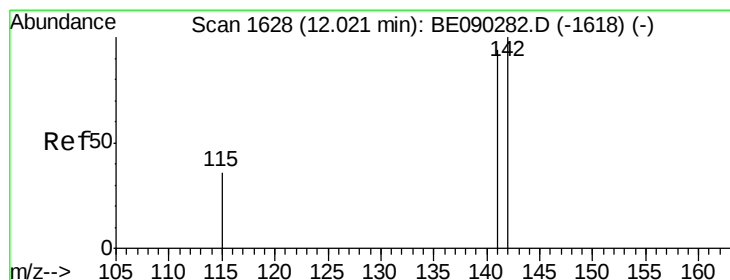
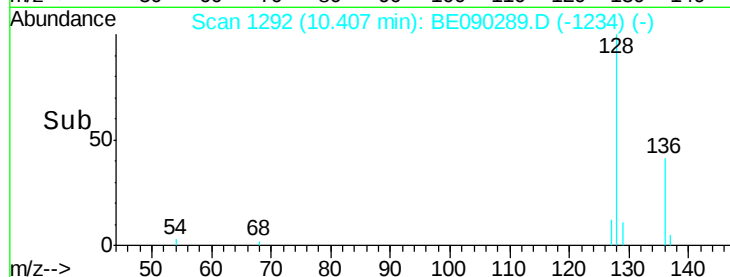
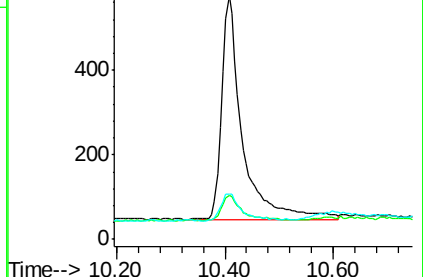
127 18.6 12.1 18.1#



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: 0.12 ng/ul

RT: 12.03 min Scan# 1630

Delta R.T. 0.01 min

Lab File: BE090289.D

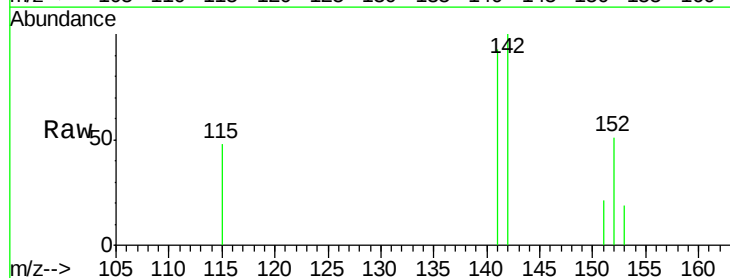
Acq: 29 Jul 2015 19:43

Tgt Ion:142 Resp: 844

Ion Ratio Lower Upper

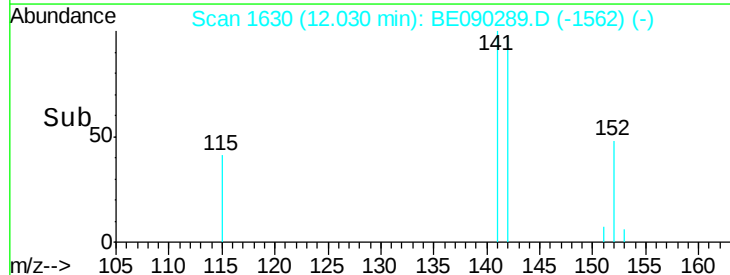
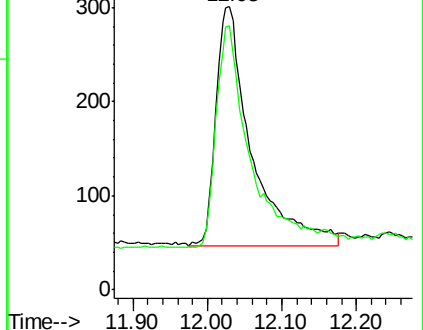
142 100

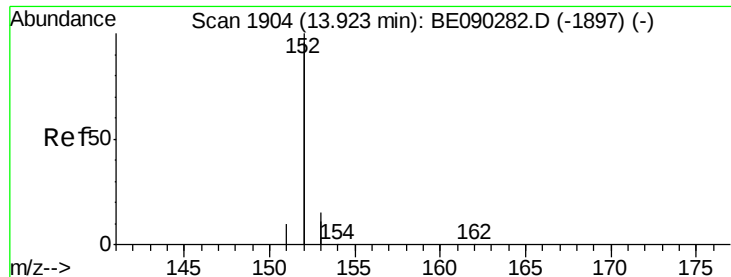
141 87.2 73.0 109.4



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: BE090289.D

Acq: 29 Jul 2015 19:43

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

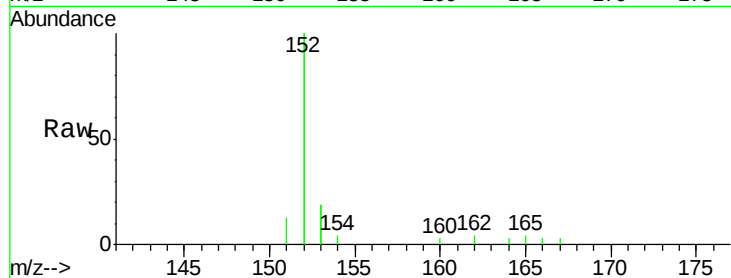
Tot Ion:152 Resp: 6019

Ion Ratio Lower Upper

152 100

151 6.6 4.3 6.5#

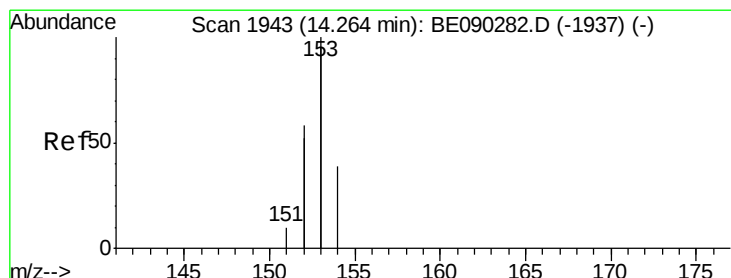
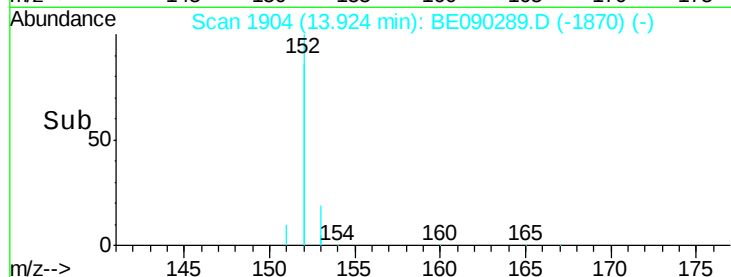
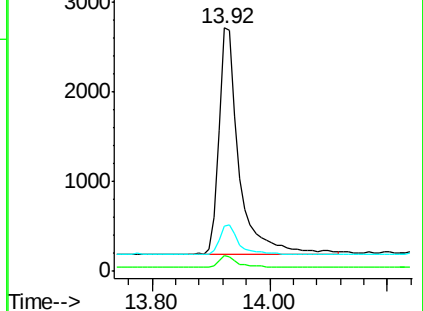
153 18.5 11.9 17.9#



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



#8

Acenaphthene

Concen: 0.12 ng/ul

RT: 14.27 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

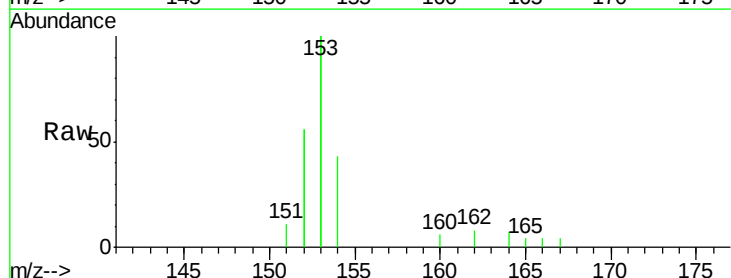
Tgt Ion:153 Resp: 4443

Ion Ratio Lower Upper

153 100

152 56.0 45.7 68.5

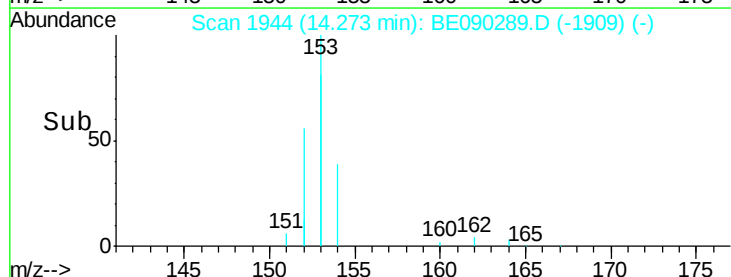
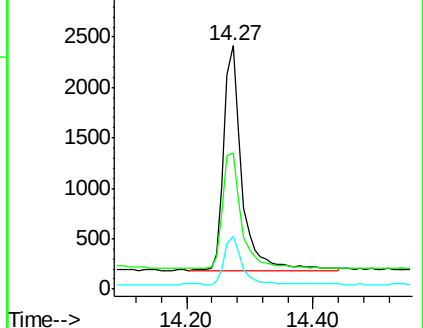
154 21.6 16.4 24.6

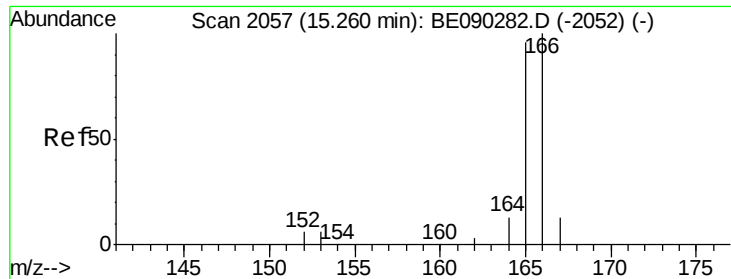


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.12 ng/ul

RT: 15.26 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

Instrument :

BNA_E

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MDL-07-S

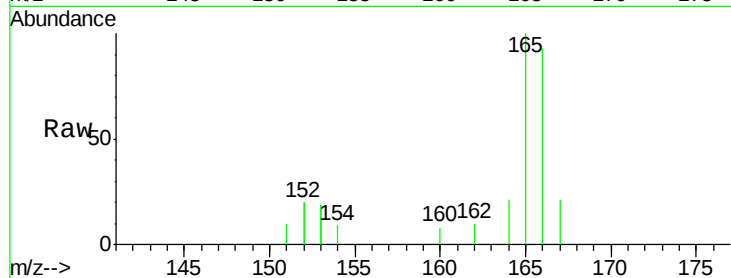
Tot Ion:166 Resp: 1206

Ion Ratio Lower Upper

166 100

165 107.7 80.3 120.5

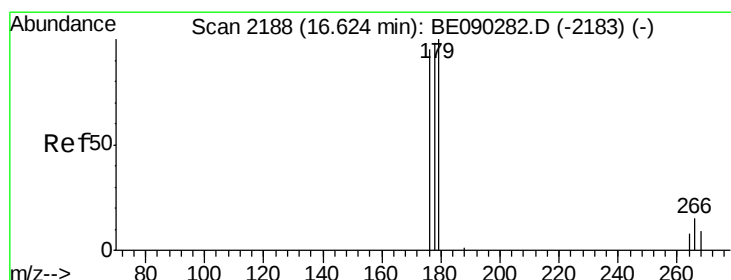
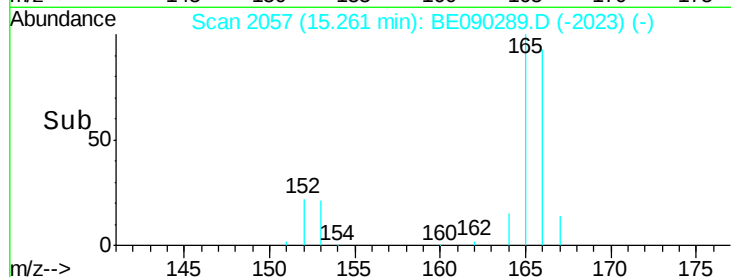
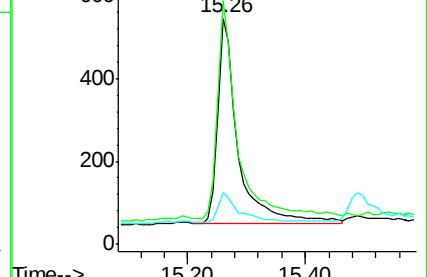
167 22.5 12.4 18.6#



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



#11

Pentachlorophenol

Concen: 0.11 ng/ul

RT: 16.63 min Scan# 2188

Delta R.T. 0.00 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

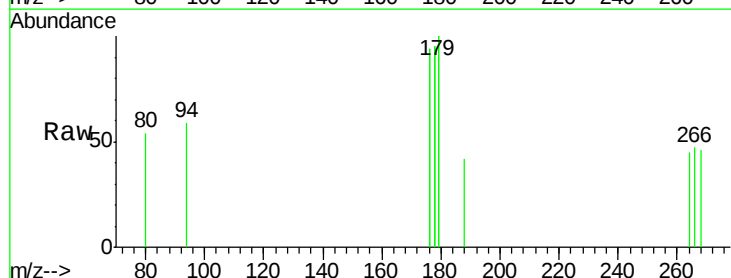
Tgt Ion:266 Resp: 38

Ion Ratio Lower Upper

266 100

264 63.2 43.4 65.0

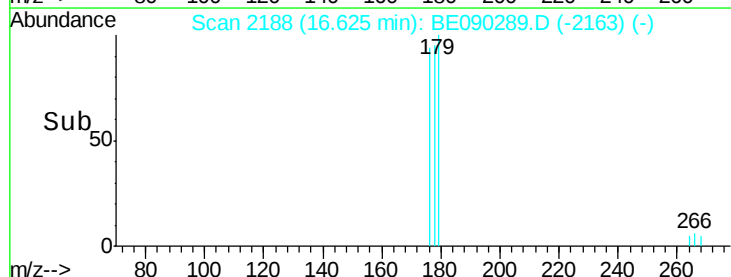
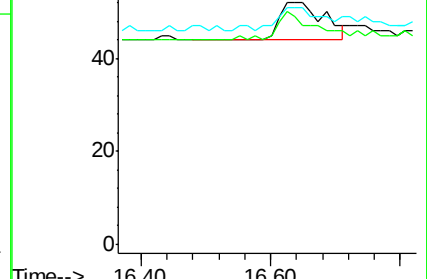
268 60.5 44.6 66.8

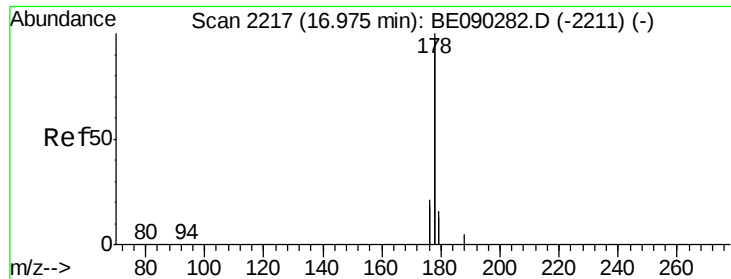


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.12 ng/ul

RT: 16.99 min Scan# 2218

Delta R.T. 0.01 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

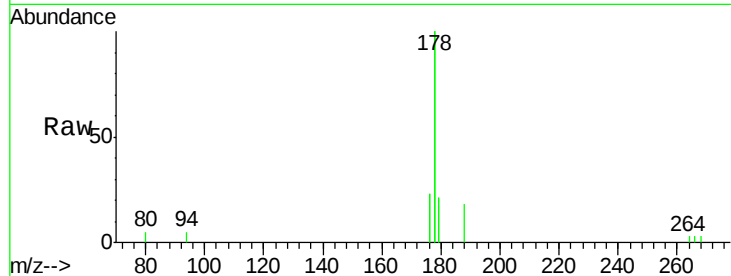
Tot Ion:178 Resp: 6814

Ion Ratio Lower Upper

178 100

176 22.5 17.3 25.9

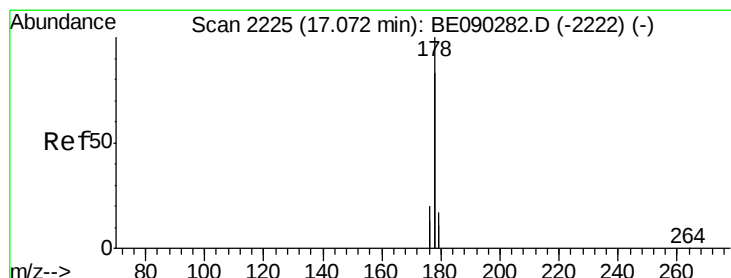
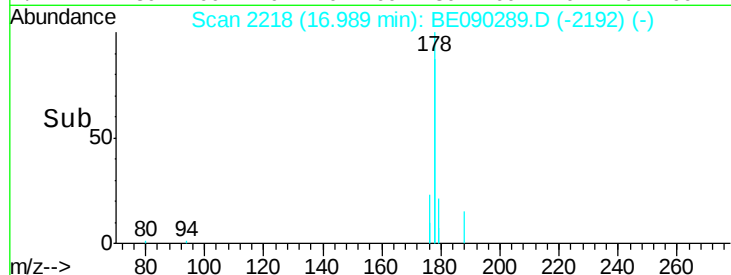
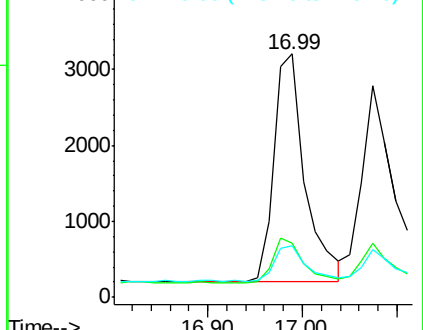
179 21.3 13.1 19.7#



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

RT: 17.07 min Scan# 2225

Delta R.T. 0.00 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

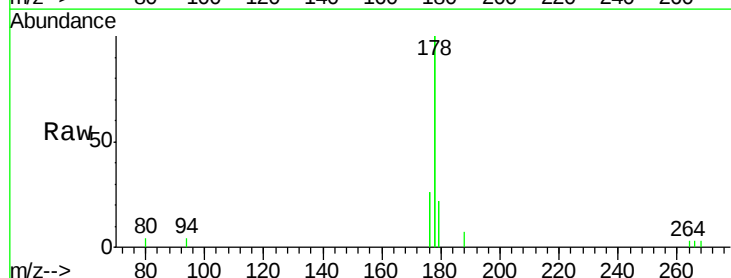
Tgt Ion:178 Resp: 7186

Ion Ratio Lower Upper

178 100

176 25.6 16.4 24.6#

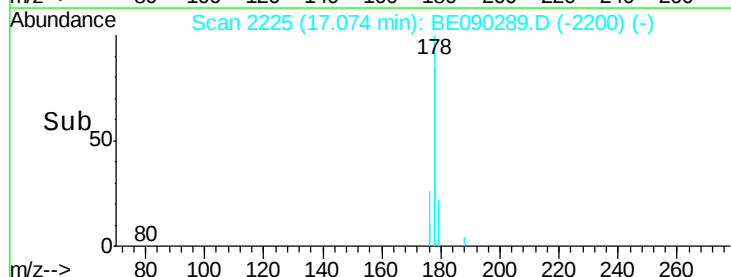
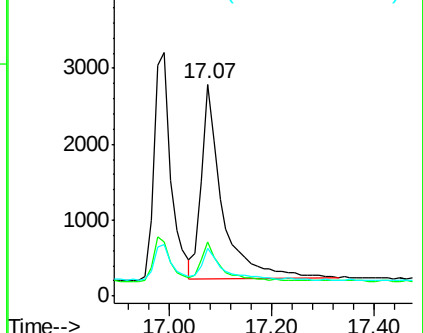
179 22.4 13.9 20.9#

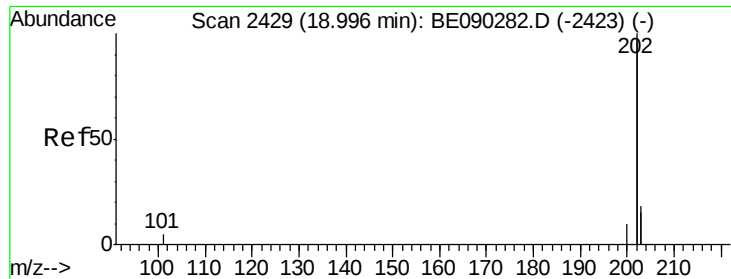


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

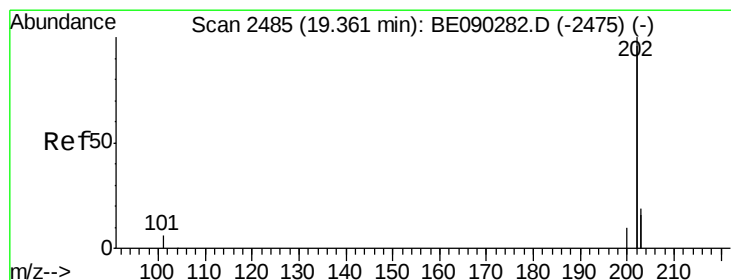
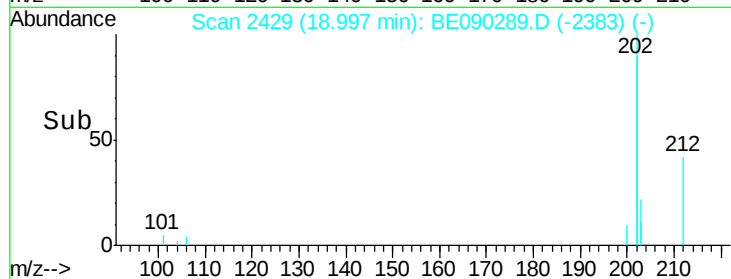
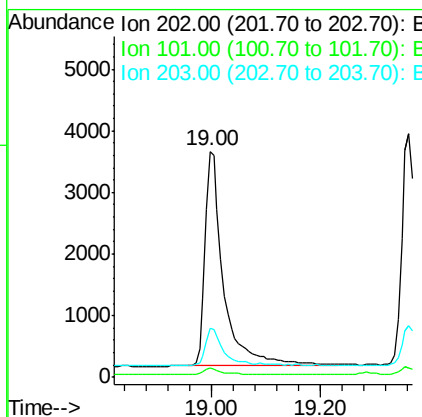
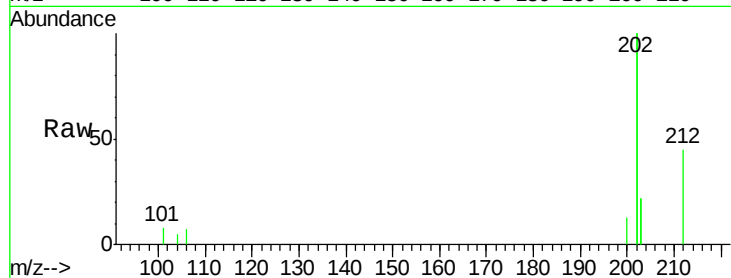




#15
Fluoranthene
Concen: 0.12 ng/ul
RT: 19.00 min Scan# 2429
Delta R.T. 0.00 min
Lab File: BE090289.D
Acq: 29 Jul 2015 19:43

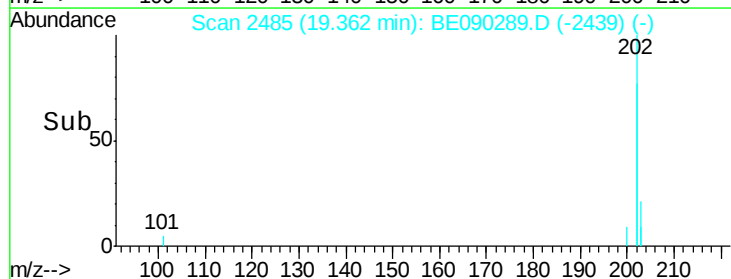
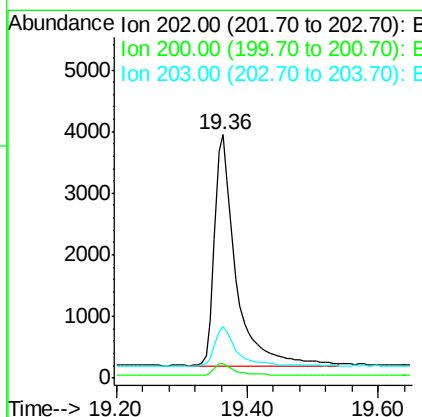
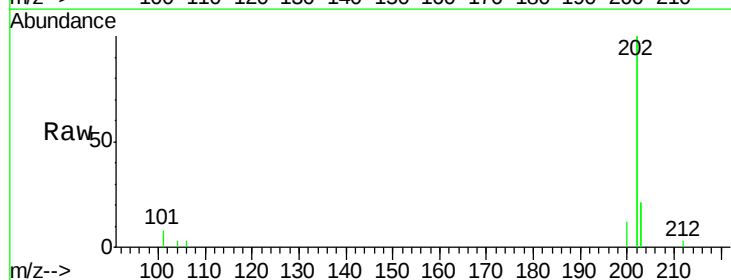
Instrument :
BNA_E
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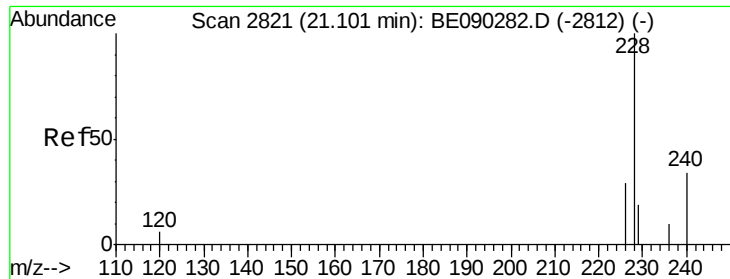
Tot Ion:202 Resp: 8200
Ion Ratio Lower Upper
202 100
101 3.9 0.0 22.9
203 21.9 0.0 39.0



#17
Pyrene
Concen: 0.12 ng/ul
RT: 19.36 min Scan# 2485
Delta R.T. 0.00 min
Lab File: BE090289.D
Acq: 29 Jul 2015 19:43

Tgt Ion:202 Resp: 8512
Ion Ratio Lower Upper
202 100
200 6.1 4.5 6.7
203 21.2 14.4 21.6





#18

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.10 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

Instrument :

BNA_E

ClientSampleId :

MDL-07-S

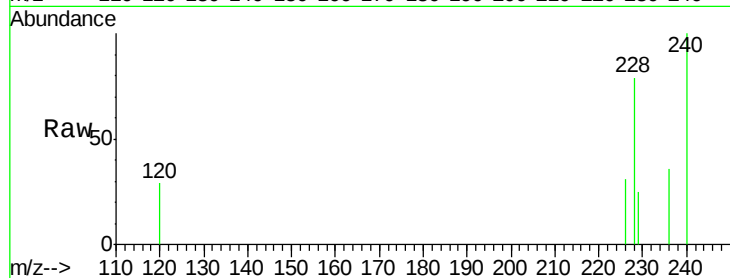
Tot Ion:228 Resp: 583

Ion Ratio Lower Upper

228 100

226 38.9 24.6 36.8#

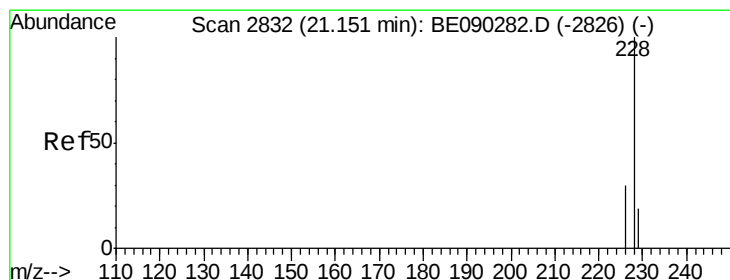
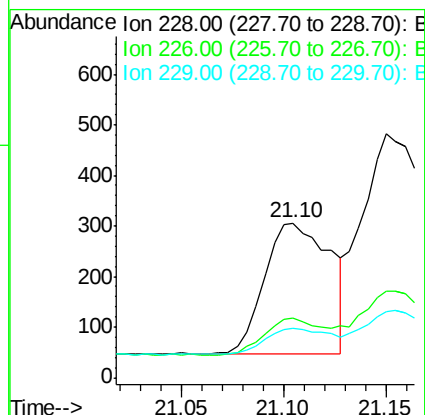
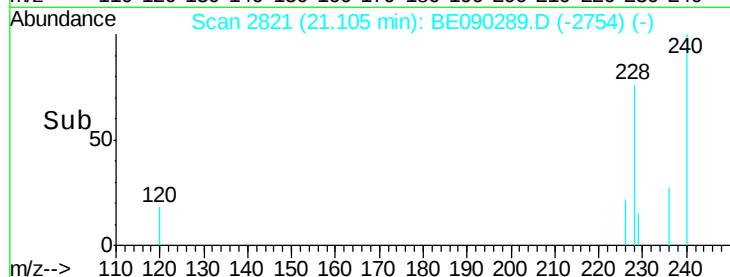
229 31.7 17.9 26.9#



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: 0.10 ng/ul

RT: 21.15 min Scan# 2831

Delta R.T. -0.00 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

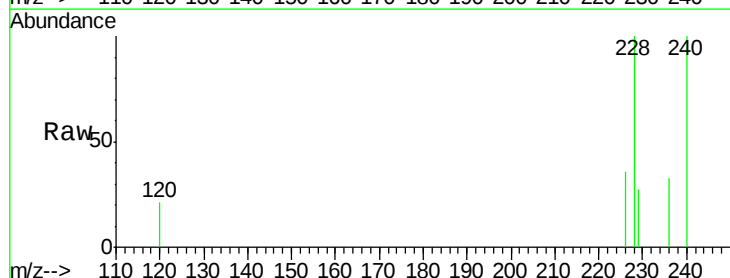
Tgt Ion:228 Resp: 1615

Ion Ratio Lower Upper

228 100

226 35.7 25.0 37.4

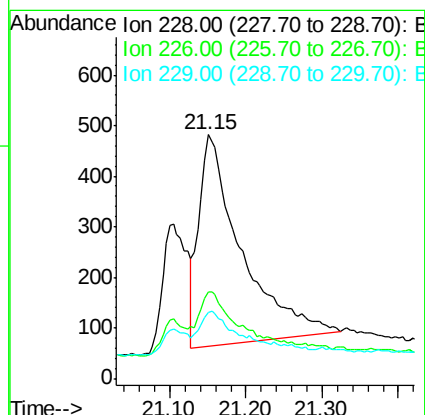
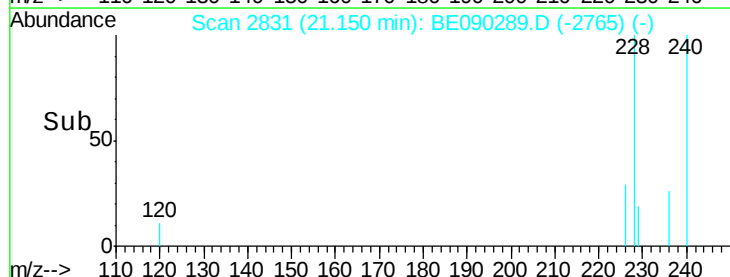
229 27.0 16.6 24.8#

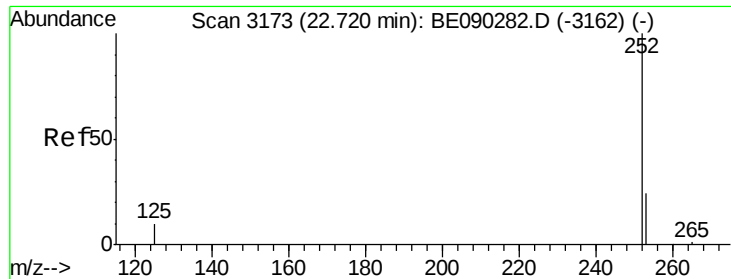


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.20 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. 0.04 min

Lab File: BE090289.D

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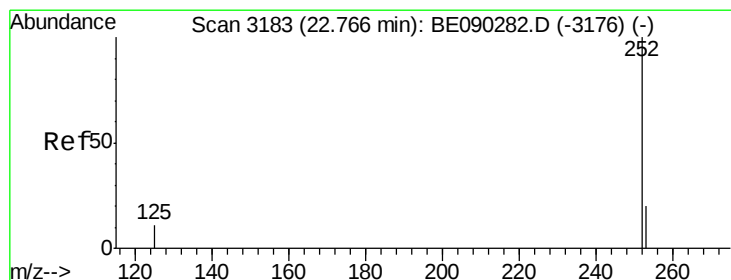
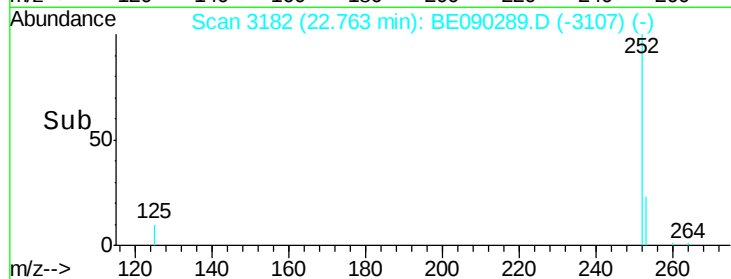
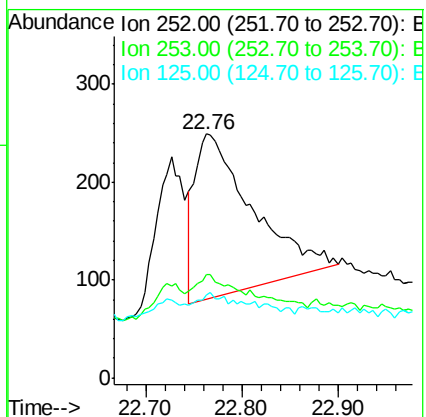
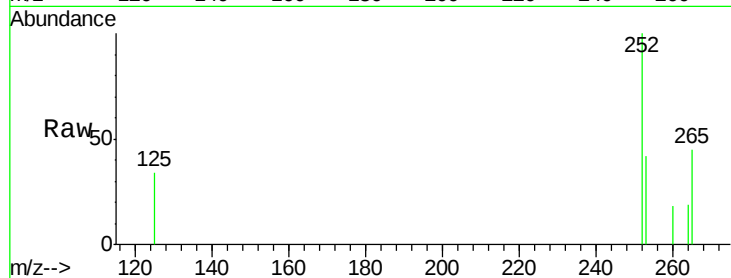
Tot Ion:252 Resp: 688

Ion Ratio Lower Upper

252 100

253 42.2 0.0 57.2

125 34.1 0.0 34.6



#22

Benzo(k)fluoranthene

Concen: 0.06 ng/ul

RT: 22.76 min Scan# 3182

Delta R.T. -0.00 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

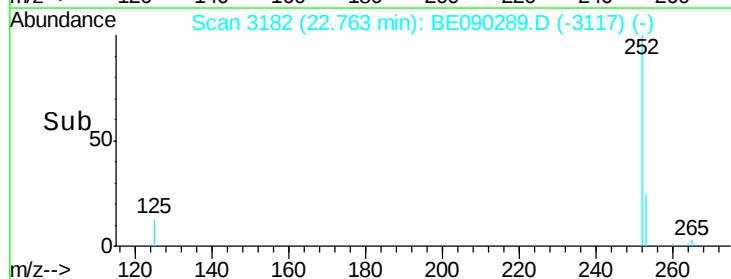
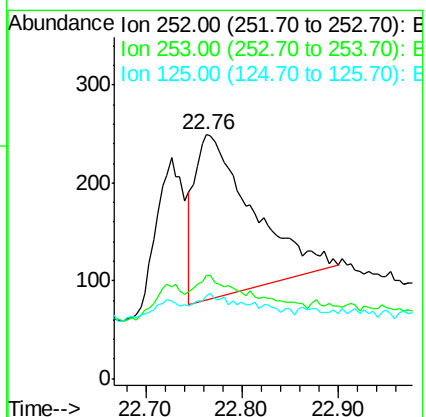
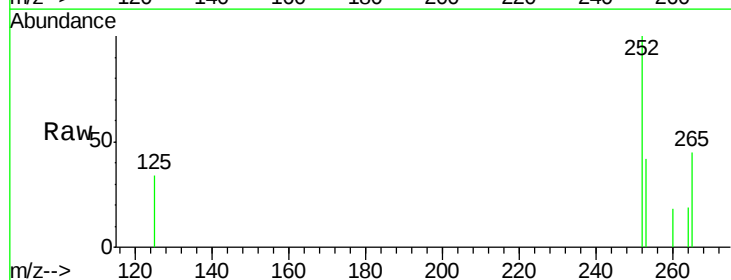
Tgt Ion:252 Resp: 688

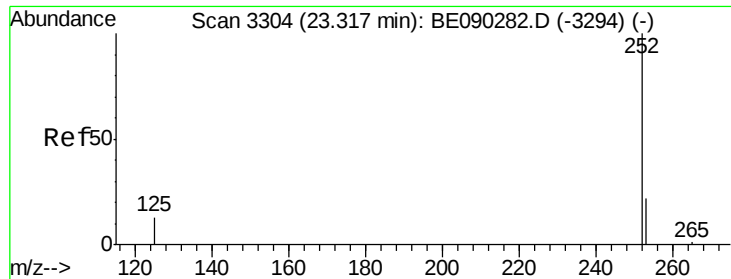
Ion Ratio Lower Upper

252 100

253 42.2 21.3 31.9#

125 34.1 13.3 19.9#





#23

Benzo(a)pyrene

Concen: 0.09 ng/ul

RT: 23.33 min Scan# 3307

Delta R.T. 0.02 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

Instrument :

BNA_E

ClientSampled :

MDL-07-S

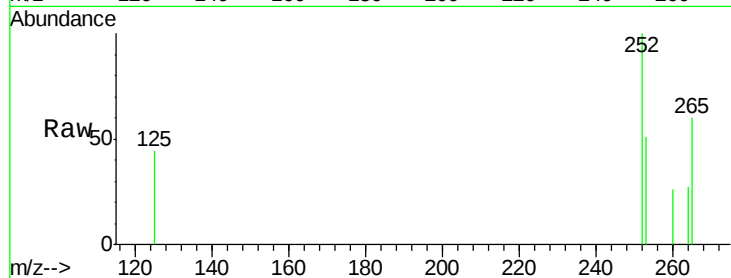
Tot Ion:252 Resp: 446

Ion Ratio Lower Upper

252 100

253 50.6 24.9 37.3#

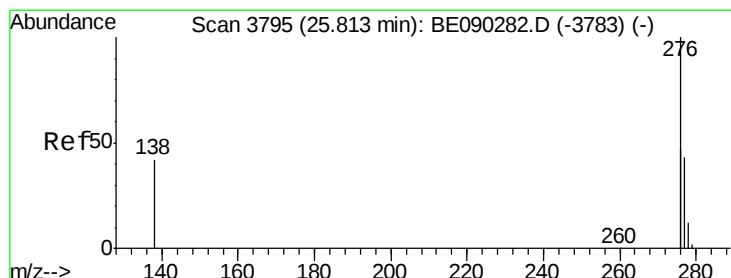
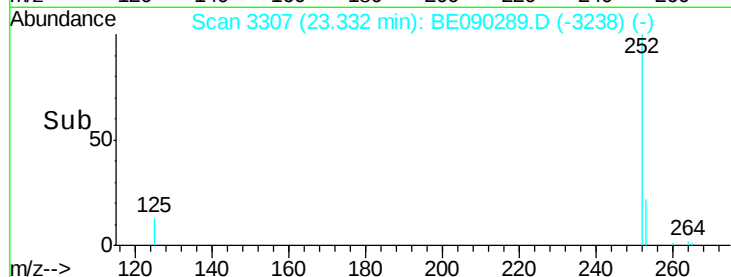
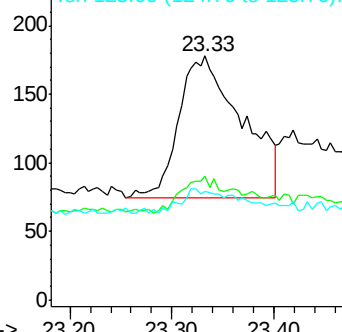
125 44.4 17.5 26.3#



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: 0.08 ng/ul

RT: 25.82 min Scan# 3796

Delta R.T. 0.01 min

Lab File: BE090289.D

Acq: 29 Jul 2015 19:43

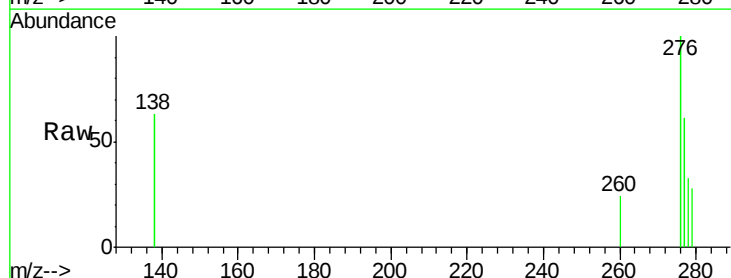
Tgt Ion:276 Resp: 1232

Ion Ratio Lower Upper

276 100

138 11.0 13.5 20.3#

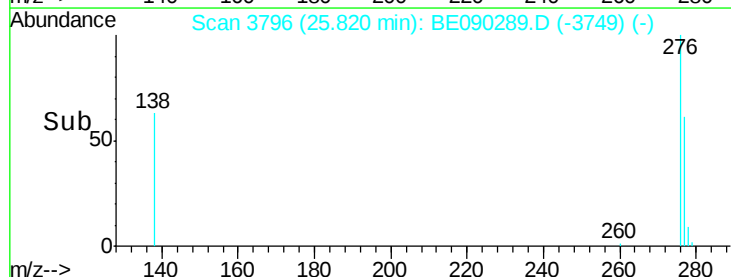
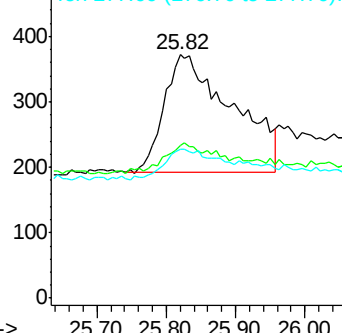
277 21.0 16.4 24.6

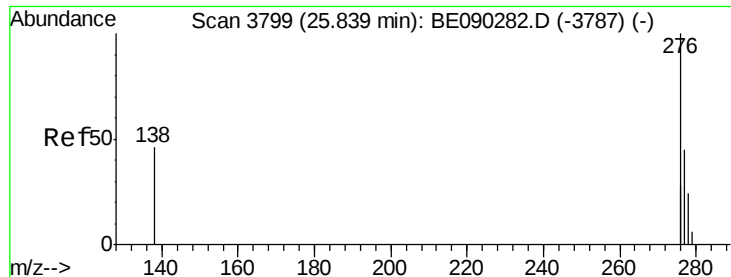


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

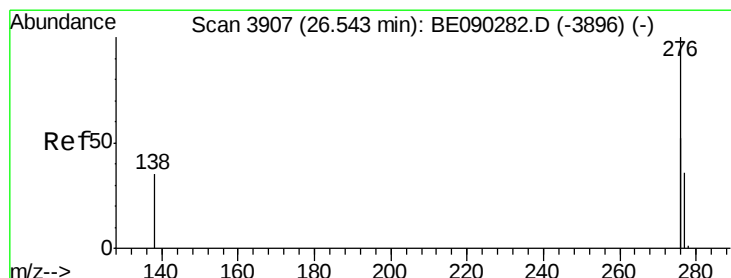
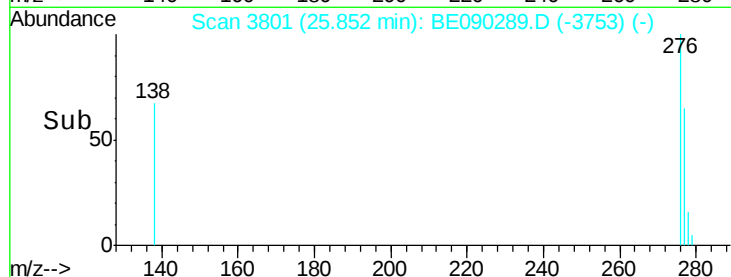
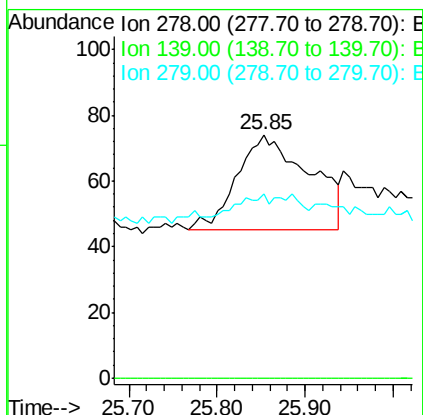
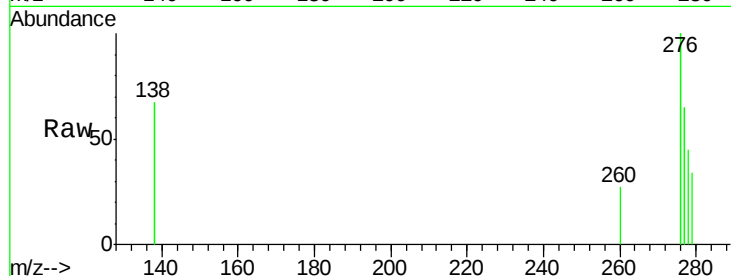




#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.85 min Scan# 3801
Delta R.T. 0.01 min
Lab File: BE090289.D
Acq: 29 Jul 2015 19:43

Instrument :
BNA_E
ClientSampleId :
MDL-07-S

Tot Ion:278 Resp: 167
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 75.7 37.4 56.0#



#26
Benzo(g,h,i)perylene
Concen: 0.08 ng/ul
RT: 26.56 min Scan# 3909
Delta R.T. 0.01 min
Lab File: BE090289.D
Acq: 29 Jul 2015 19:43

Tgt Ion:276 Resp: 1614
Ion Ratio Lower Upper
276 100
277 53.0 25.5 38.3#
138 51.4 23.9 35.9#

