

Data Path : Z:\HPCHEM1\BNA E\DATA\BE091615\
 Data File : BE090849.D
 Acq On : 16 Sep 2015 18:12
 Operator : UM/IZ
 Sample : G3677-04
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-U-B

Quant Time: Sep 17 00:56:36 2015
 Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE090115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 11:40:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	32205	5.00	ng	0.00
6) Naphthalene-d8	10.31	136	138769	5.00	ng	0.00
12) Acenaphthene-d10	14.17	164	70663	5.00	ng	0.00
18) Phenanthrene-d10	16.91	188	187289	5.00	ng	0.00
25) Chrysene-d12	21.07	240	248800	5.00	ng	0.00
32) Perylene-d12	23.35	264	233174	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.18	112	21164	3.38	ng	0.00
5) Phenol-d6	6.75	99	17344	1.93	ng	0.00
7) Nitrobenzene-d5	8.71	82	30797	3.36	ng	0.00
13) 2,4,6-Tribromophenol	15.67	330	12379	6.01	ng	0.00
14) 2-Fluorobiphenyl	12.80	172	69400	3.55	ng	0.00
27) Terphenyl-d14	19.53	244	135398	4.92	ng	-0.01

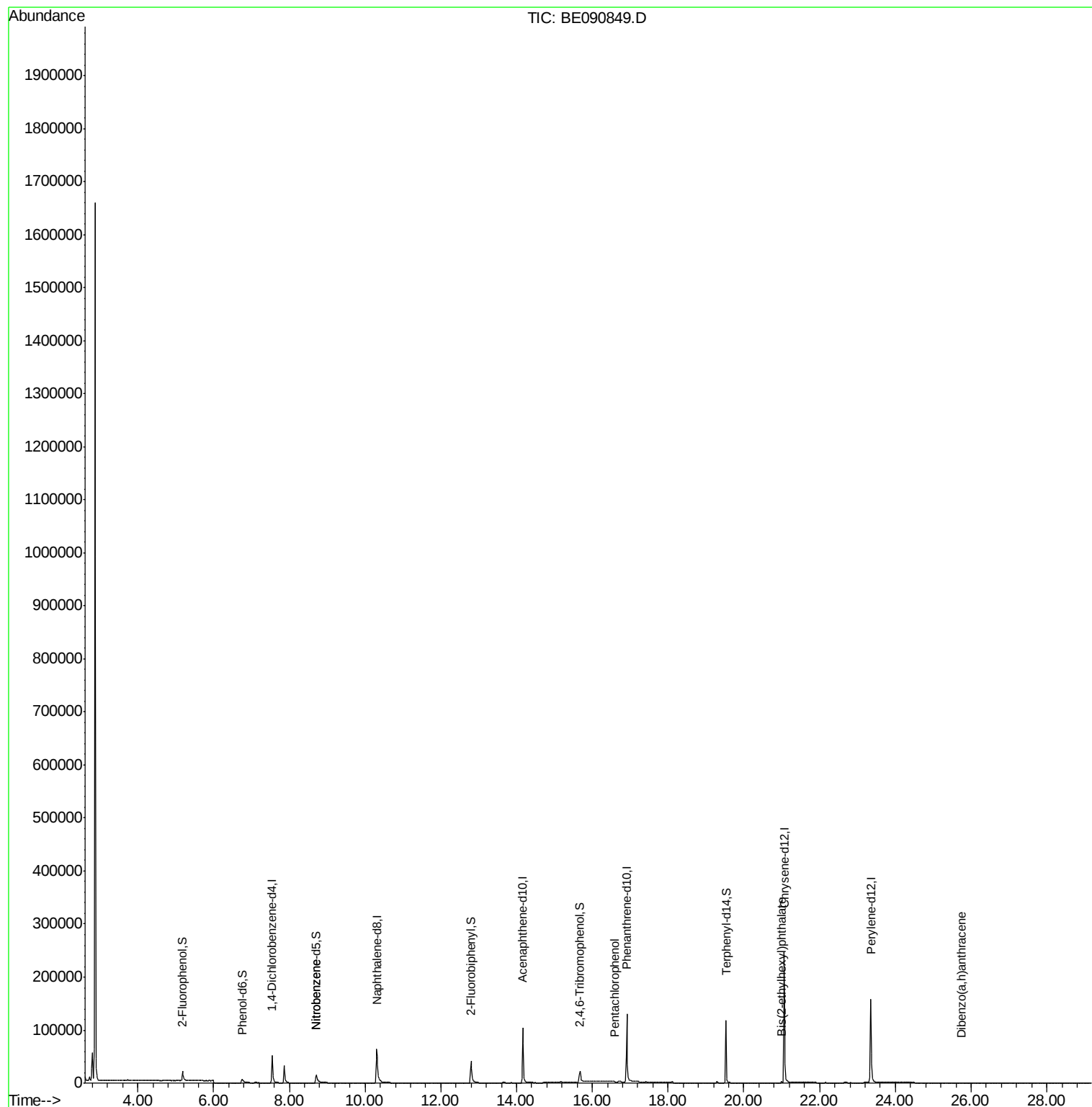
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.15	88	214	Below Cal	#	38
3) n-Nitrosodimethylamine	3.46	42	31	Below Cal	#	1
8) Nitrobenzene	8.72	77	64	0.11	ng	62
20) Hexachlorobenzene	16.23	284	123	Below Cal	#	48
21) Pentachlorophenol	16.60	266	52	0.48	ng	59
29) Chrysene	21.10	228	471	Below Cal	#	74
30) Bis(2-ethylhexyl)phthalate	21.00	149	2670	0.25	ng	98
36) Dibenzo(a,h)anthracene	25.75	278	69	0.14	ng	1

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.55 min Scan# 837

Delta R.T. -0.01 min

Lab File: BE090849.D

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Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-B

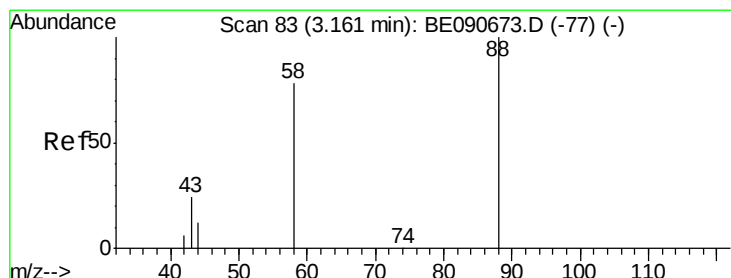
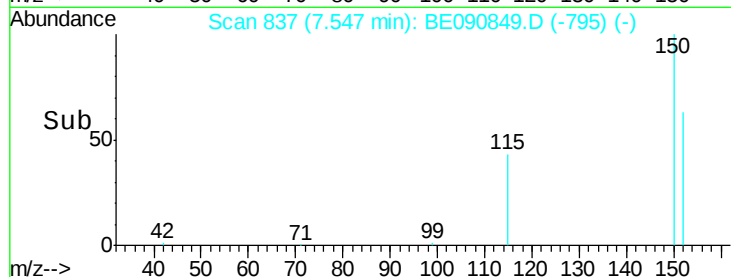
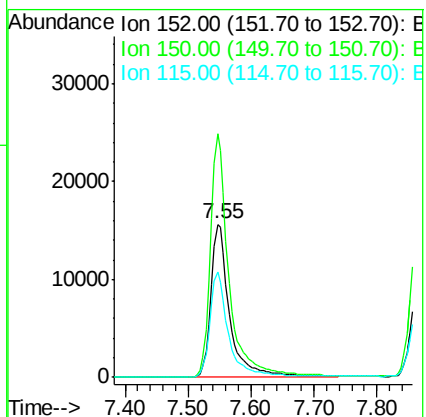
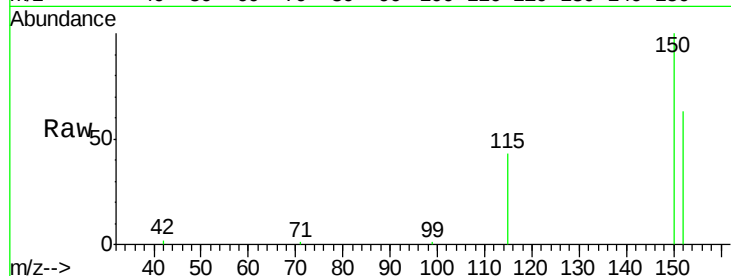
Tot Ion:152 Resp: 32205

Ion Ratio Lower Upper

152 100

150 159.0 122.2 183.4

115 68.5 51.0 76.4



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.15 min Scan# 81

Delta R.T. -0.01 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

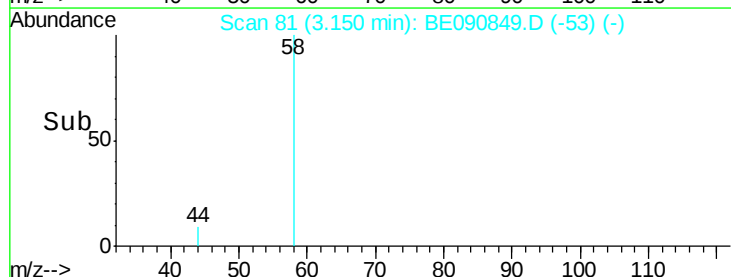
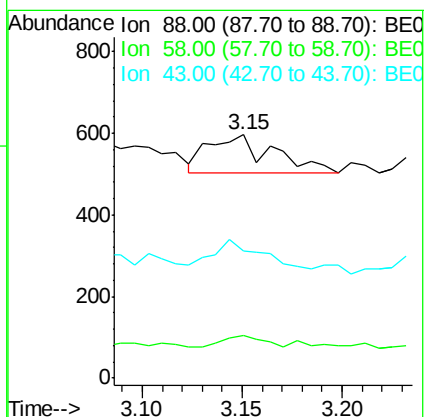
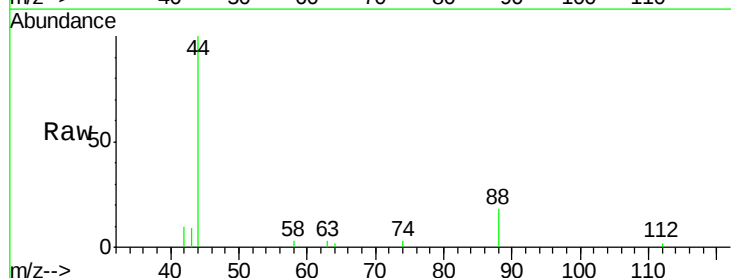
Tgt Ion: 88 Resp: 214

Ion Ratio Lower Upper

88 100

58 18.2 68.4 102.6#

43 51.9 26.9 40.3#



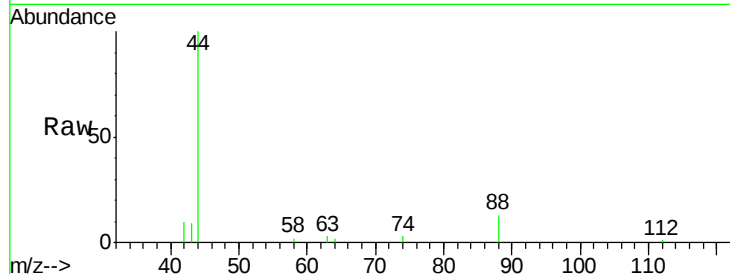


#3

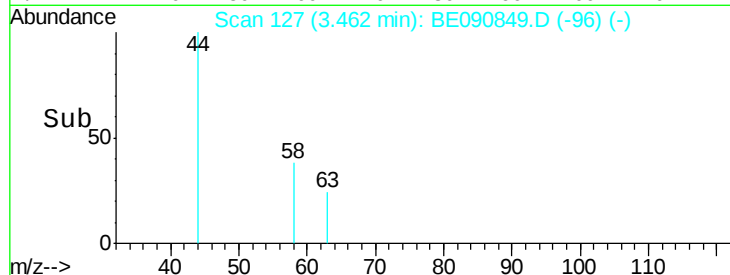
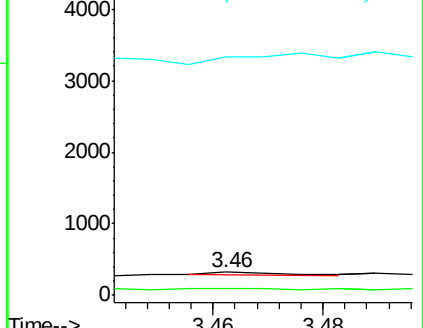
n-Nitrosodimethylamine
 Concen: Below Cal
 RT: 3.46 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: BE090849.D
 Acq: 16 Sep 2015 18:12

Instrument :
 BNA_E
 ClientSampleId :
 091415-D534-F-U-B

Tot Ion: 42 Resp: 31
 Ion Ratio Lower Upper
 42 100
 74 38.7 83.7 125.5#
 44 632.3 10.0 15.0#



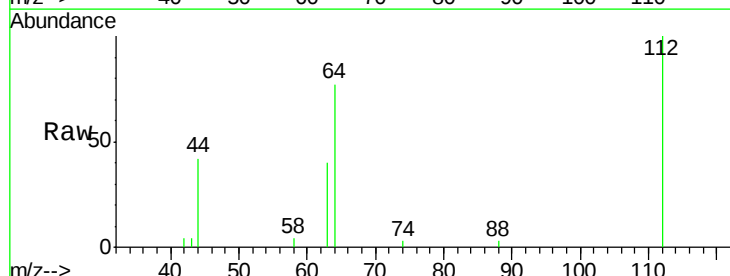
Abundance Ion 42.00 (41.70 to 42.70): BE0
 Ion 74.00 (73.70 to 74.70): BE0
 Ion 44.00 (43.70 to 44.70): BE0



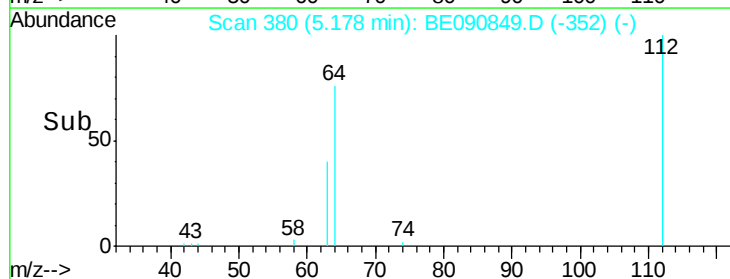
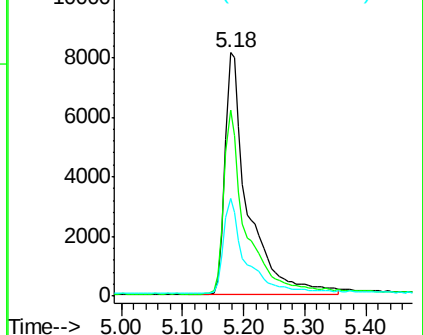
#4

2-Fluorophenol
 Concen: 3.38 ng
 RT: 5.18 min Scan# 380
 Delta R.T. -0.01 min
 Lab File: BE090849.D
 Acq: 16 Sep 2015 18:12

Tgt Ion: 112 Resp: 21164
 Ion Ratio Lower Upper
 112 100
 64 72.8 57.3 85.9
 63 38.1 29.2 43.8



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BE0
 Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 1.93 ng

RT: 6.75 min Scan# 662

Delta R.T. -0.00 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-B

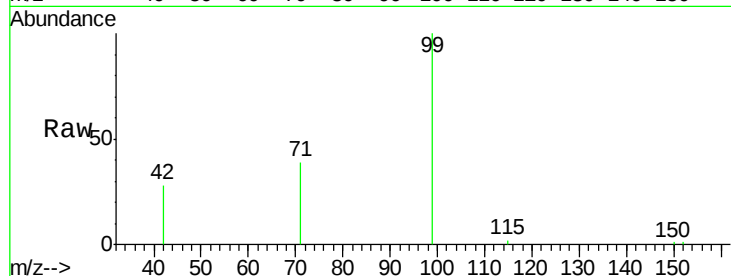
Tot Ion: 99 Resp: 17344

Ion Ratio Lower Upper

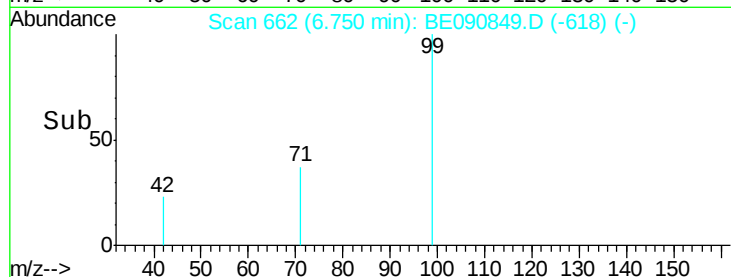
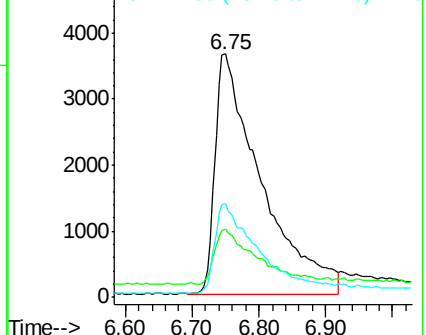
99 100

42 21.7 16.8 25.2

71 35.7 28.3 42.5



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.31 min Scan# 1367

Delta R.T. 0.00 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

Tgt Ion: 136 Resp: 138769

Ion Ratio Lower Upper

136 100

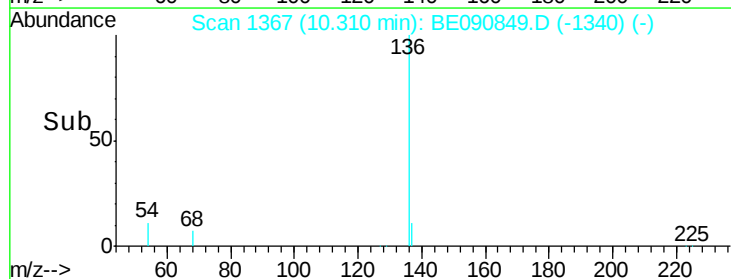
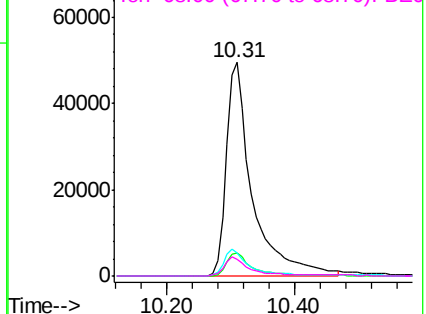
137 10.9 8.7 13.1

54 11.0 9.0 13.6

68 7.6 6.3 9.5



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 3.36 ng

RT: 8.71 min Scan# 1089

Delta R.T. 0.01 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-B

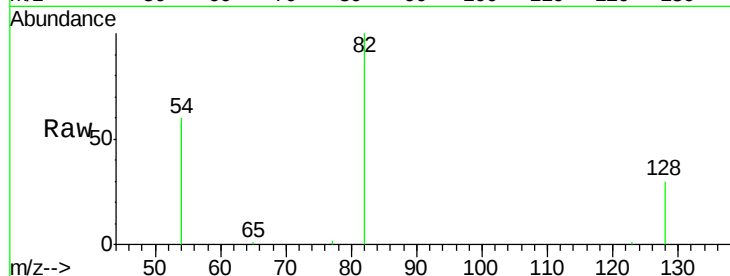
Tot Ion: 82 Resp: 30797

Ion Ratio Lower Upper

82 100

128 29.8 25.0 37.4

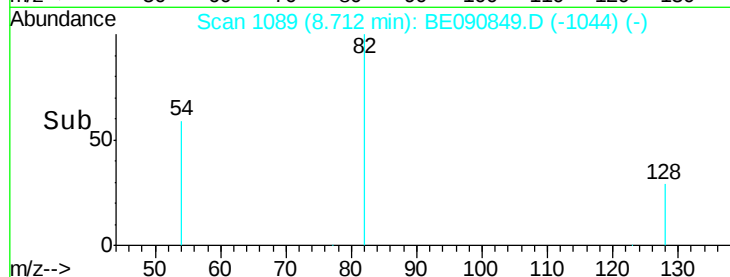
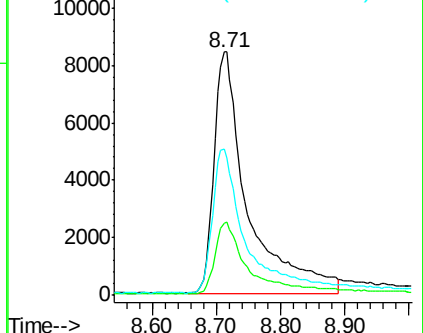
54 59.9 46.3 69.5



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0



#8

Nitrobenzene

Concen: 0.11 ng

RT: 8.72 min Scan# 1091

Delta R.T. -0.03 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

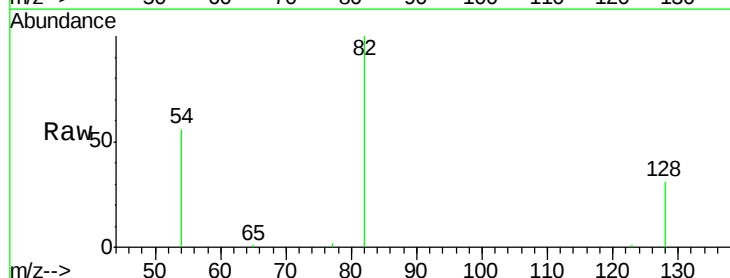
Tgt Ion: 77 Resp: 64

Ion Ratio Lower Upper

77 100

123 6.3 25.1 37.7#

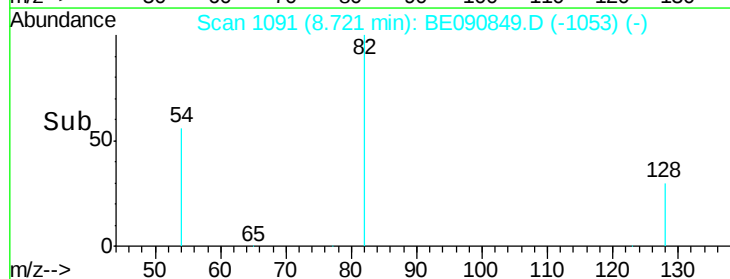
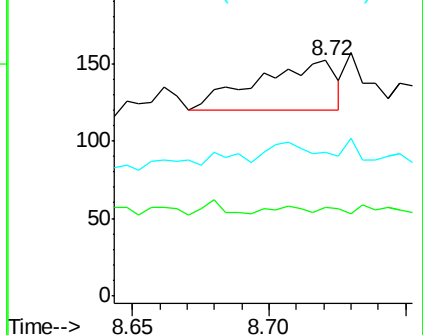
65 20.3 9.9 14.9#

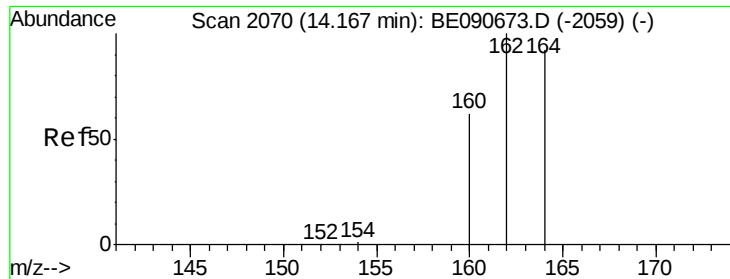


Abundance Ion 77.00 (76.70 to 77.70): BE0

Ion 123.00 (122.70 to 123.70): BE0

Ion 65.00 (64.70 to 65.70): BE0





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.17 min Scan# 2070

Delta R.T. 0.00 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

Instrument :

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ClientSampleId :

091415-D534-F-U-B

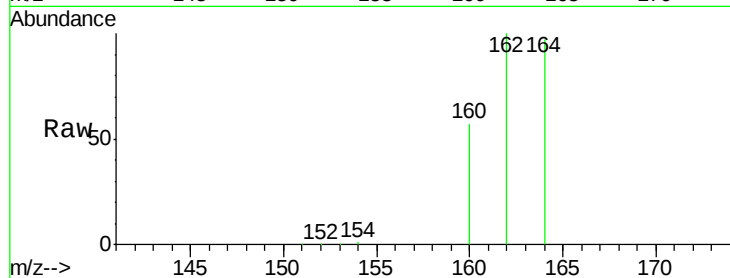
Tot Ion:164 Resp: 70663

Ion Ratio Lower Upper

164 100

162 103.5 86.8 130.2

160 59.3 53.9 80.9



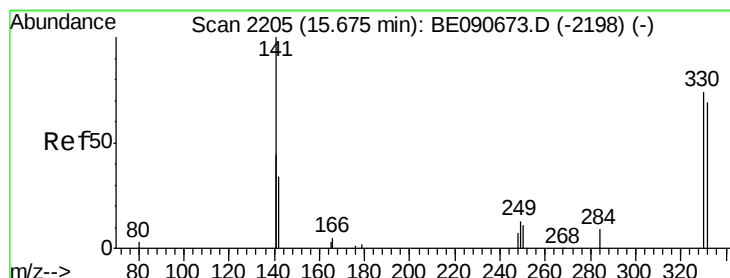
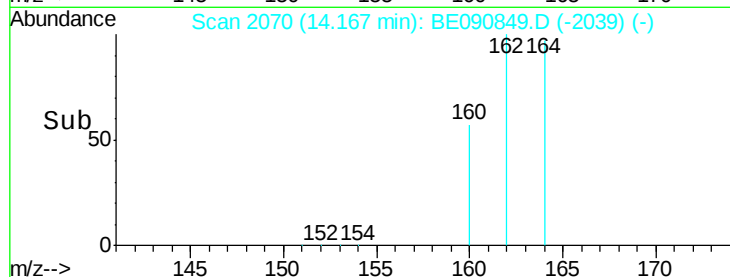
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

14.17

Time--> 14.00 14.20 14.40



#13

2,4,6-Tribromophenol

Concen: 6.01 ng

RT: 15.67 min Scan# 2204

Delta R.T. -0.00 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

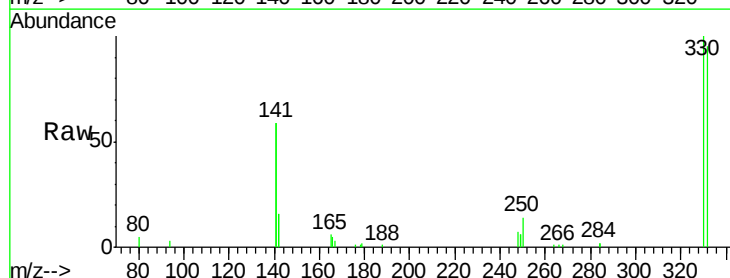
Tgt Ion:330 Resp: 12379

Ion Ratio Lower Upper

330 100

332 95.9 74.9 112.3

141 181.7 145.2 217.8



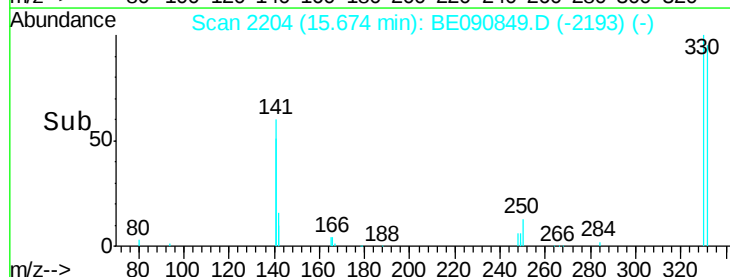
Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

15.67

Time--> 15.60 15.80

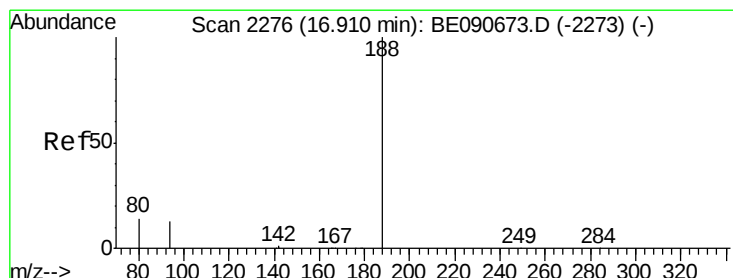
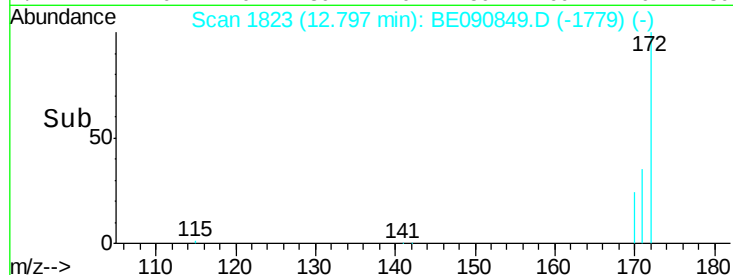
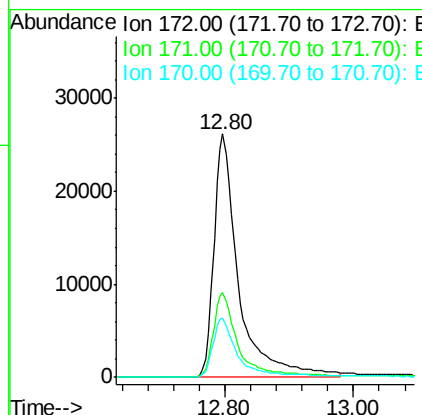
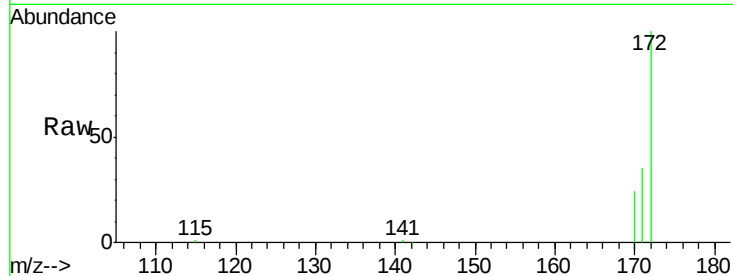




#14
2-Fluorobiphenyl
Concen: 3.55 ng
RT: 12.80 min Scan# 1823
Delta R.T. -0.00 min
Lab File: BE090849.D
Acq: 16 Sep 2015 18:12

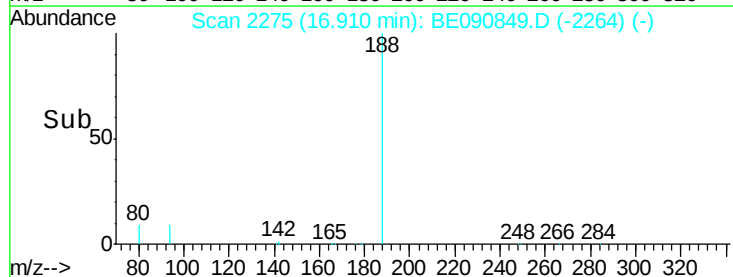
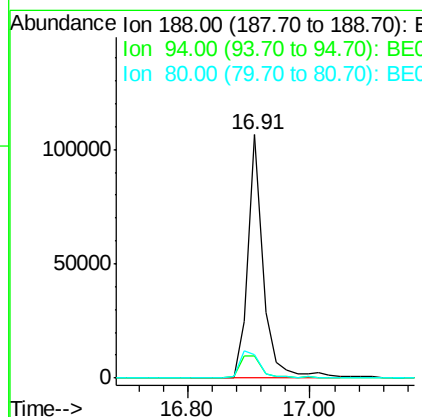
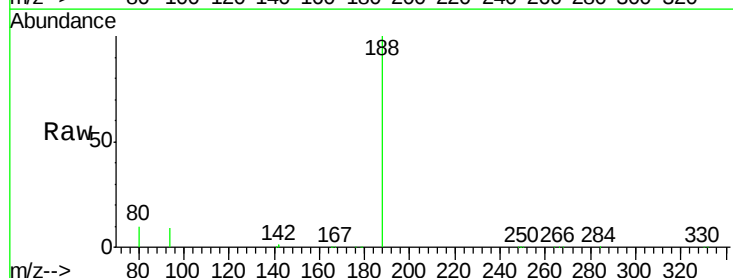
Instrument :
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Tot Ion:172 Resp: 69400
Ion Ratio Lower Upper
172 100
171 34.8 27.8 41.8
170 24.4 19.8 29.6



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.91 min Scan# 2275
Delta R.T. -0.00 min
Lab File: BE090849.D
Acq: 16 Sep 2015 18:12

Tgt Ion:188 Resp: 187289
Ion Ratio Lower Upper
188 100
94 9.0 10.3 15.5#
80 9.6 11.0 16.6#





#20

Hexachlorobenzene

Concen: Below Cal

RT: 16.23 min Scan# 2236

Delta R.T. 0.00 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-B

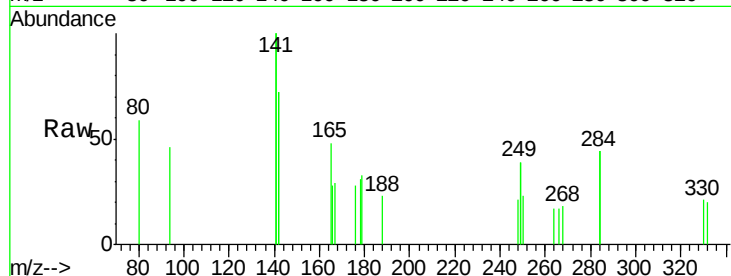
Tot Ion:284 Resp: 123

Ion Ratio Lower Upper

284 100

142 68.3 35.0 52.4#

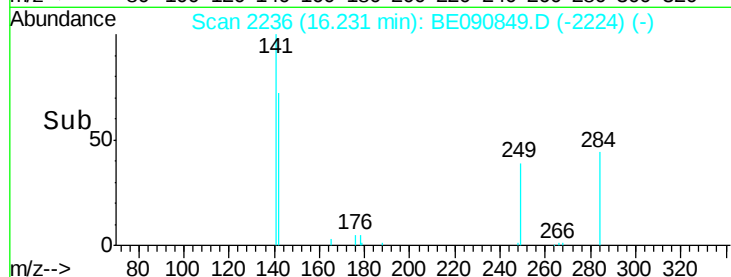
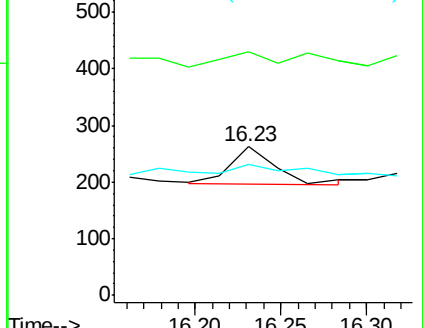
249 71.5 25.5 38.3#



Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E



#21

Pentachlorophenol

Concen: 0.48 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.00 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

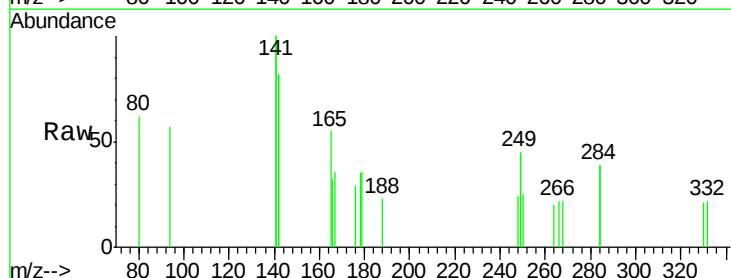
Tgt Ion:266 Resp: 52

Ion Ratio Lower Upper

266 100

268 100.0 49.6 74.4#

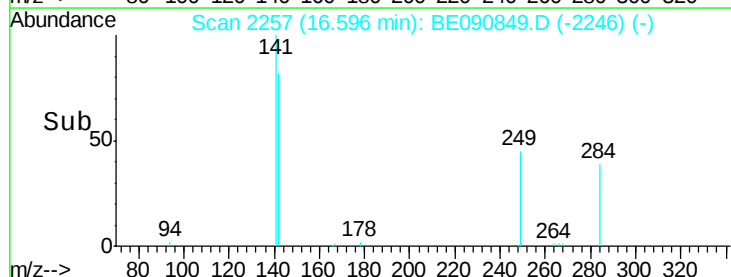
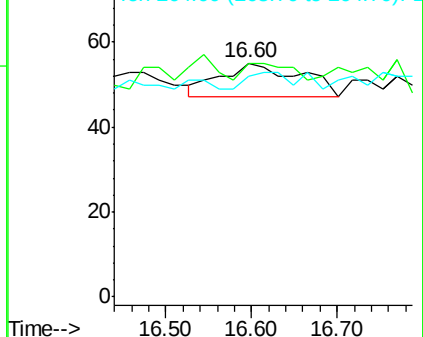
264 94.5 53.9 80.9#

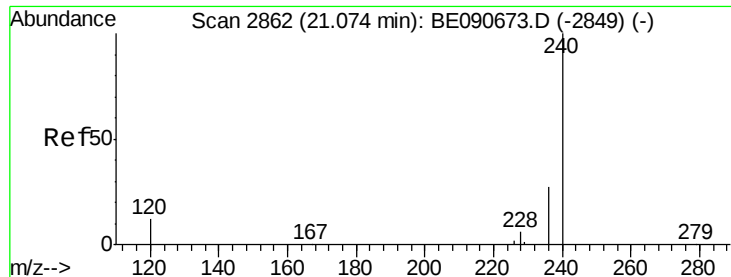


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.07 min Scan# 2859

Delta R.T. -0.01 min

Lab File: BE090849.D

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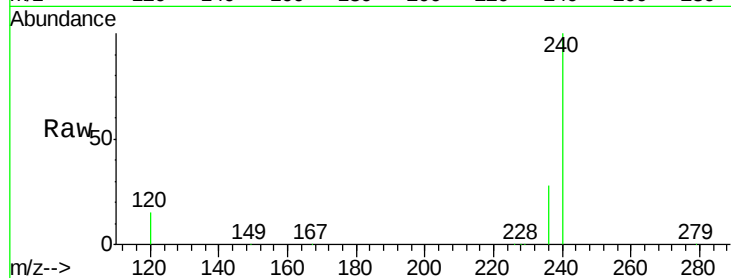
Tot Ion:240 Resp: 248800

Ion Ratio Lower Upper

240 100

120 14.7 10.1 15.1

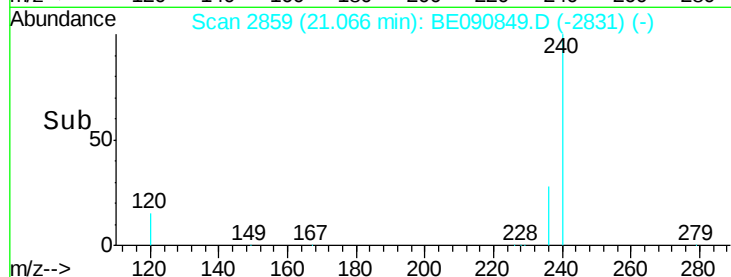
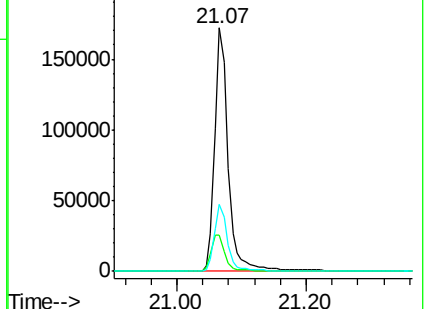
236 27.7 21.9 32.9



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#27

Terphenyl-d14

Concen: 4.92 ng

RT: 19.53 min Scan# 2608

Delta R.T. -0.01 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

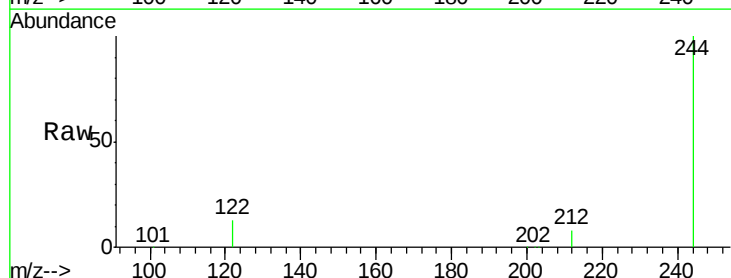
Tgt Ion:244 Resp: 135398

Ion Ratio Lower Upper

244 100

212 8.0 6.9 10.3

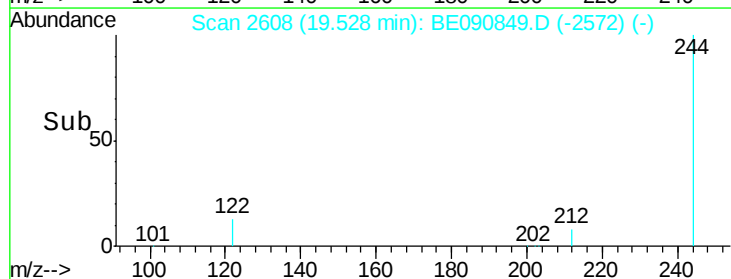
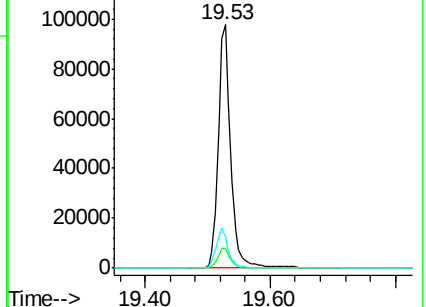
122 12.6 12.9 19.3#

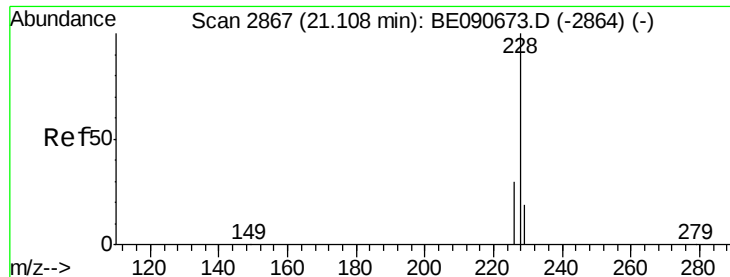


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Chrvsene

Concen: Below Cal

RT: 21.10 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

Instrument :

BNA_E

ClientSampleId :

091415-D534-F-U-B

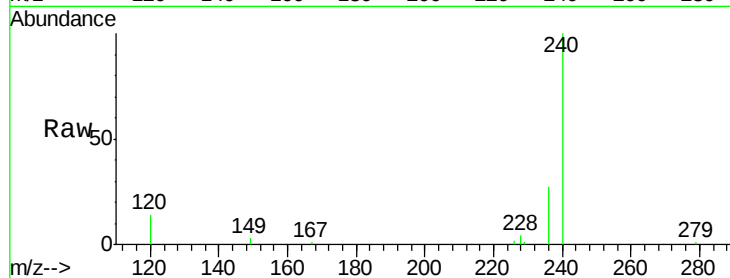
Tot Ion:228 Resp: 471

Ion Ratio Lower Upper

228 100

226 41.9 24.2 36.4#

229 33.7 15.3 22.9#

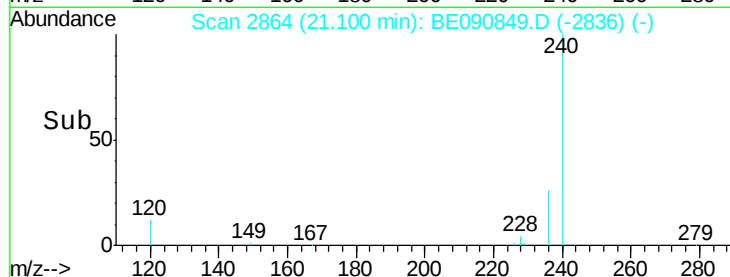


Abundance Ion 228.00 (227.70 to 228.70): E

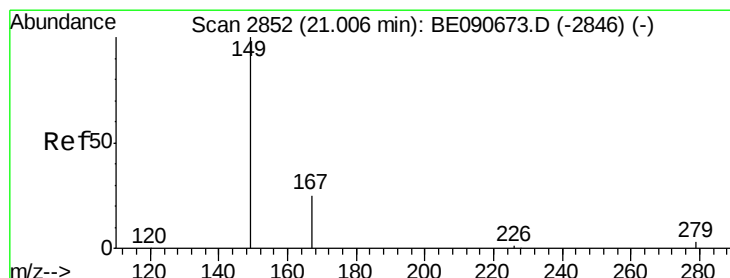
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time--> 21.05 21.10 21.15



Time--> 21.05 21.10 21.15



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.25 ng

RT: 21.00 min Scan# 2849

Delta R.T. -0.01 min

Lab File: BE090849.D

Acq: 16 Sep 2015 18:12

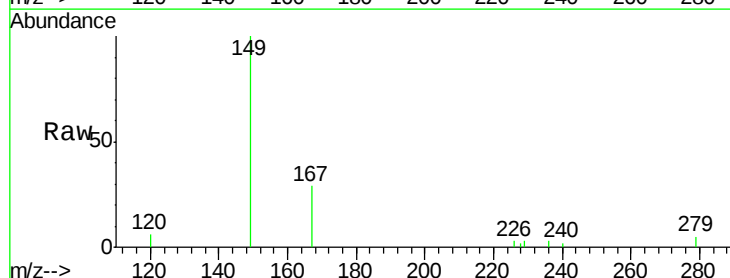
Tgt Ion:149 Resp: 2670

Ion Ratio Lower Upper

149 100

167 25.9 20.1 30.1

279 3.9 2.3 3.5#

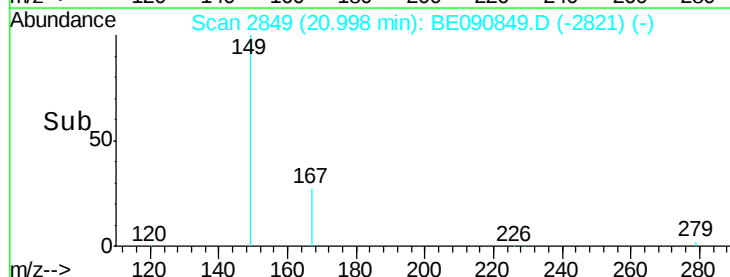


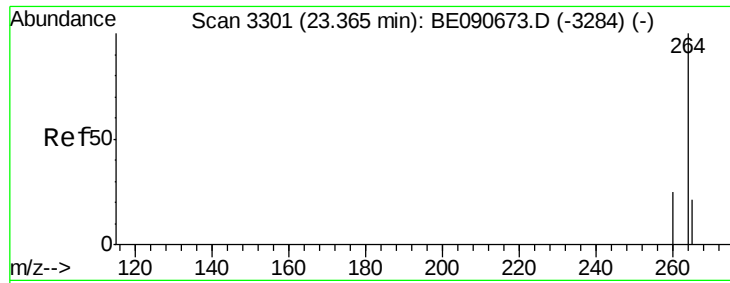
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

Time--> 20.90 20.95 21.00 21.05

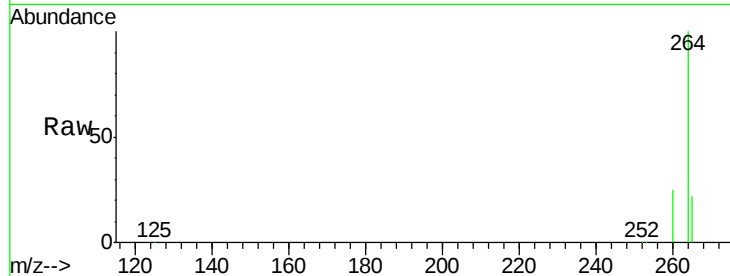




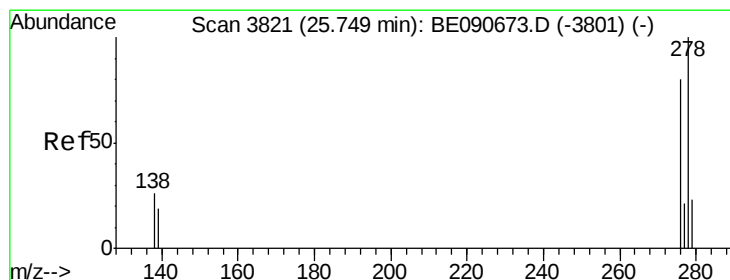
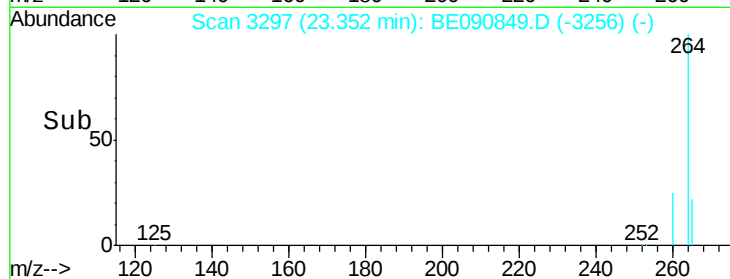
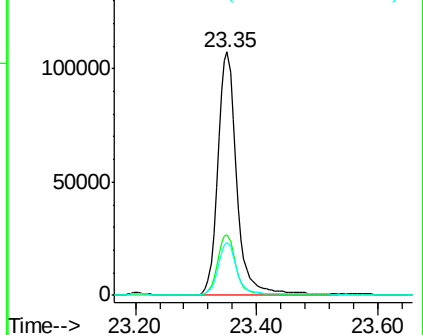
#32
Pervlene-d12
Concen: 5.00 ng
RT: 23.35 min Scan# 3297
Delta R.T. -0.01 min
Lab File: BE090849.D
Acq: 16 Sep 2015 18:12

Instrument :
BNA_E
ClientSampleId :
091415-D534-F-U-B

Tot Ion:264 Resp: 233174
Ion Ratio Lower Upper
264 100
260 25.0 19.7 29.5
265 21.9 17.5 26.3

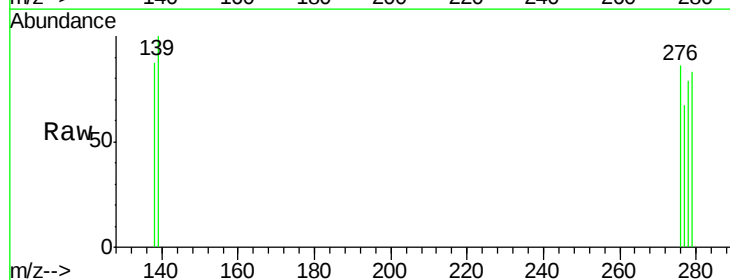


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#36
Dibenzo(a,h)anthracene
Concen: 0.14 ng
RT: 25.75 min Scan# 3820
Delta R.T. -0.00 min
Lab File: BE090849.D
Acq: 16 Sep 2015 18:12

Tgt Ion:278 Resp: 69
Ion Ratio Lower Upper
278 100
139 126.2 15.4 23.0#
279 104.8 18.8 28.2#



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

