

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
 Data File : BE090341.D
 Acq On : 4 Aug 2015 11:12
 Operator : TP/UM
 Sample : G3174-06
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080215-D506-F-D-S

Quant Time: Aug 04 13:22:12 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 04 02:31:31 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	7289	5.00	ng	0.00
6) Naphthalene-d8	10.35	136	32202	5.00	ng	0.00
12) Acenaphthene-d10	14.21	164	16238	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	34022	5.00	ng	0.00
25) Chrysene-d12	21.11	240	31051	5.00	ng	0.00
32) Perylene-d12	23.42	264	27604	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	4349	3.12	ng	0.00
5) Phenol-d6	6.78	99	3136	1.83	ng	0.00
7) Nitrobenzene-d5	8.74	82	7902	4.15	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	2102	6.76	ng	-0.02
14) 2-Fluorobiphenyl	12.83	172	19188	4.08	ng	0.00
27) Terphenyl-d14	19.56	244	27403	4.72	ng	-0.01

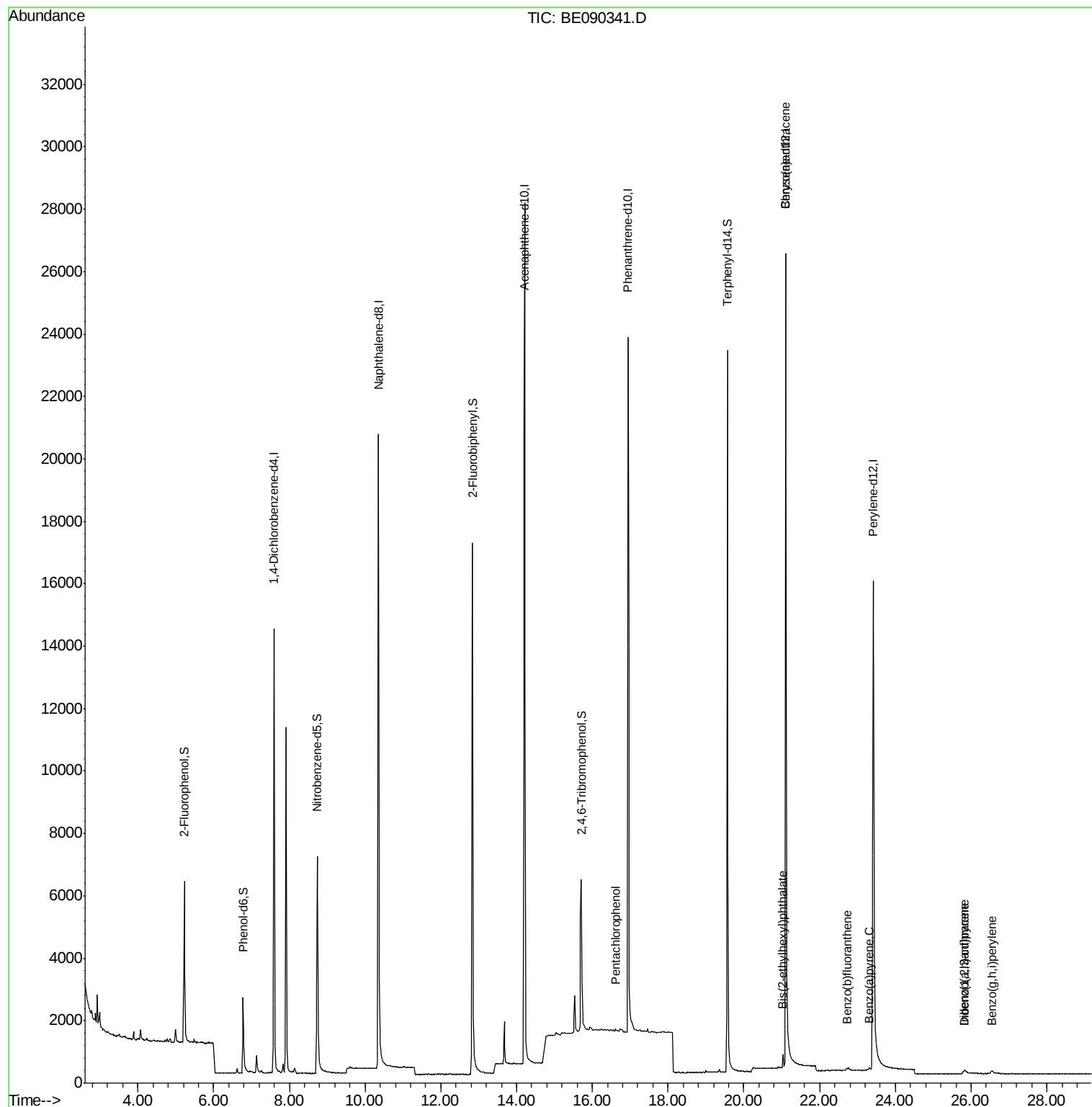
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.36	88	30	Below Cal	#	33
21) Pentachlorophenol	16.61	266	68	0.41	ng	88
28) Benzo(a)anthracene	21.11	228	140	0.02	ng	48
29) Chrysene	21.14	228	79	Below Cal	#	35
30) Bis(2-ethylhexyl)phthalate	21.03	149	464	0.38	ng	98
31) Indeno(1,2,3-cd)pyrene	25.82	276	207	0.19	ng	92
33) Benzo(b)fluoranthene	22.72	252	114	0.37	ng	4
35) Benzo(a)pyrene	23.31	252	130	0.33	ng	2
36) Dibenzo(a,h)anthracene	25.84	278	119	0.23	ng	43
37) Benzo(g,h,i)perylene	26.55	276	267	0.29	ng	54

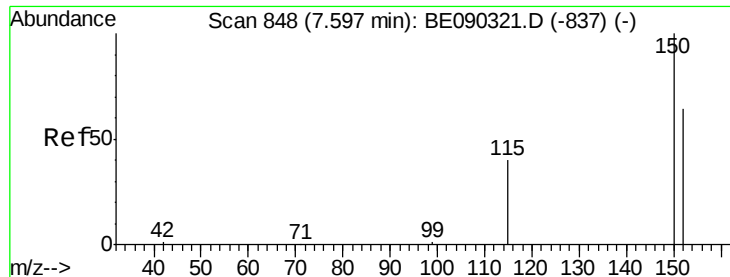
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080315\
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ALS Vial : 23 Sample Multiplier: 1

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.60 min Scan# 848

Delta R.T. 0.00 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

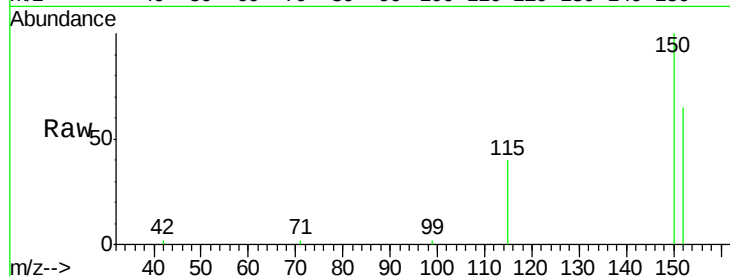
Tgt Ion: 152 Resp: 7289

Ion Ratio Lower Upper

152 100

150 153.3 124.2 186.2

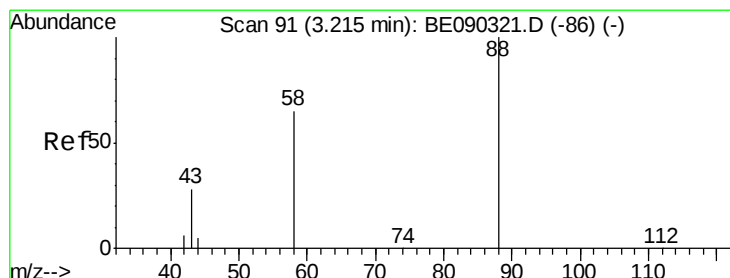
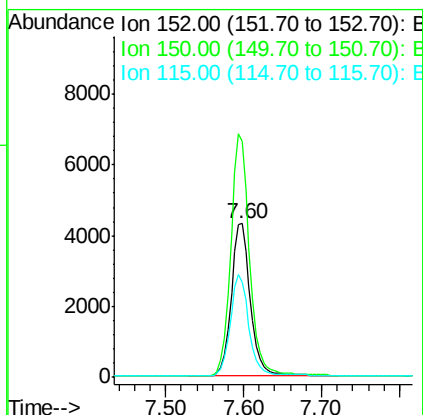
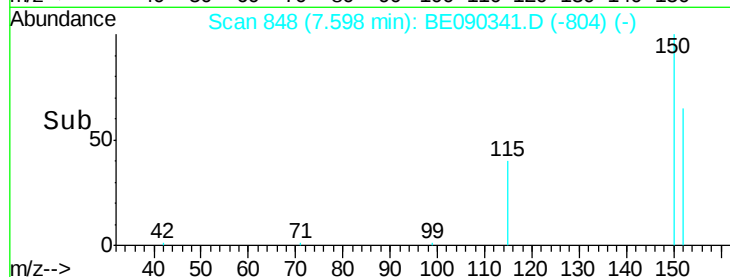
115 61.9 50.4 75.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.36 min Scan# 112

Delta R.T. 0.14 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

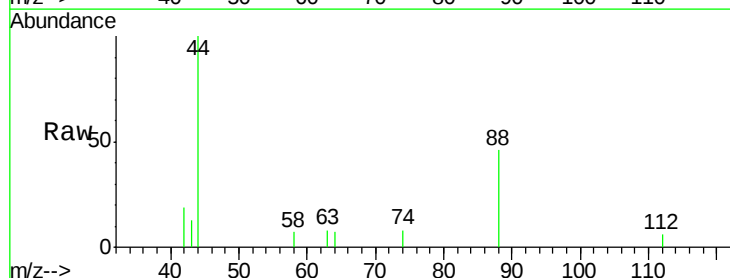
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

58 6.7 50.2 75.2#

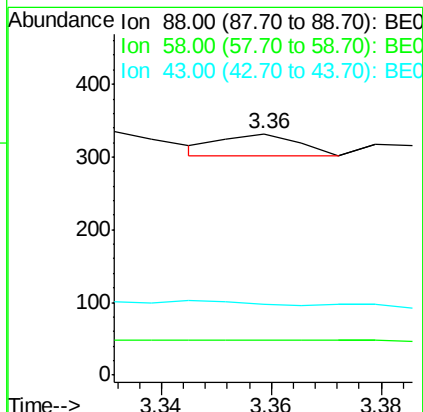
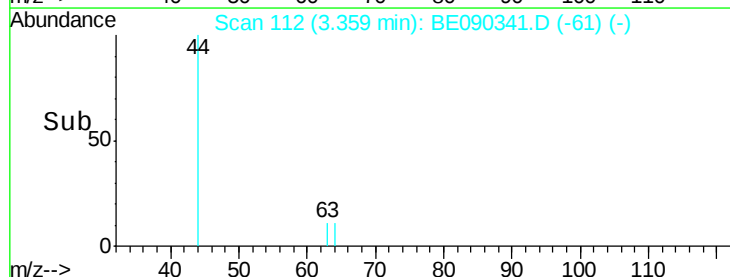
43 0.0 25.0 37.6#

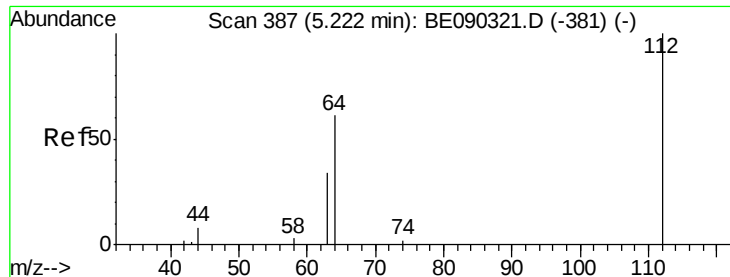


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 3.12 ng

RT: 5.22 min Scan# 387

Delta R.T. 0.00 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

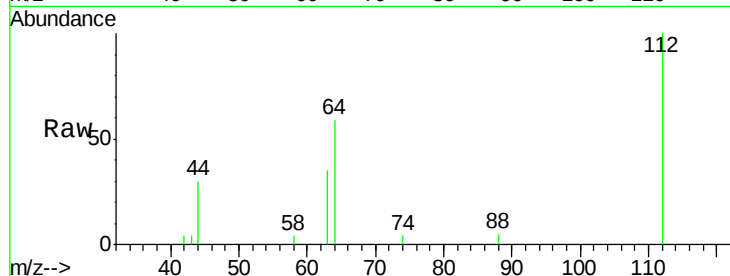
Tgt Ion: 112 Resp: 4349

Ion Ratio Lower Upper

112 100

64 60.1 49.0 73.4

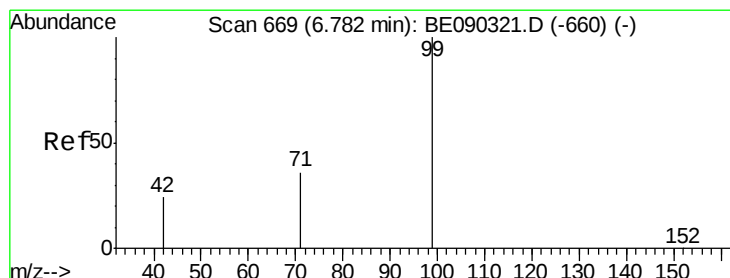
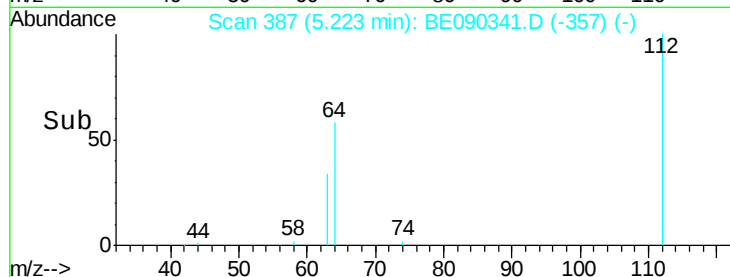
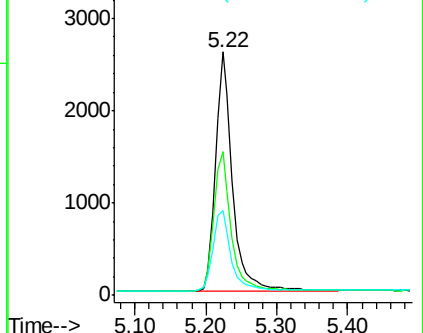
63 34.9 27.7 41.5



Abundance Ion 112.00 (111.70 to 112.70): BE0

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0



#5

Phenol-d6

Concen: 1.83 ng

RT: 6.78 min Scan# 668

Delta R.T. -0.00 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

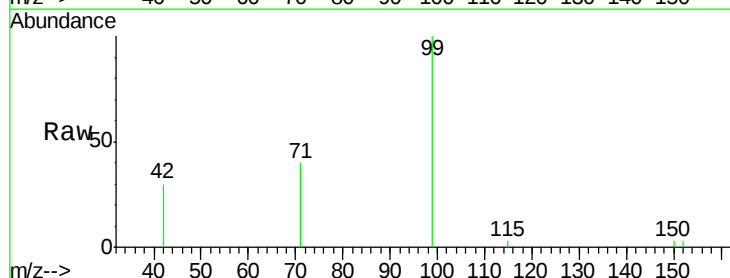
Tgt Ion: 99 Resp: 3136

Ion Ratio Lower Upper

99 100

42 26.1 22.2 33.2

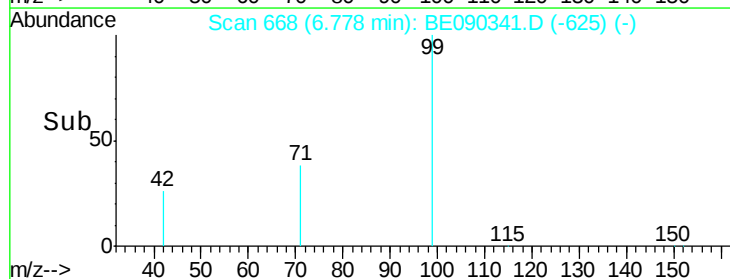
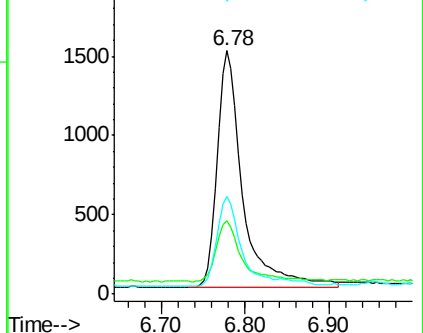
71 35.6 29.2 43.8

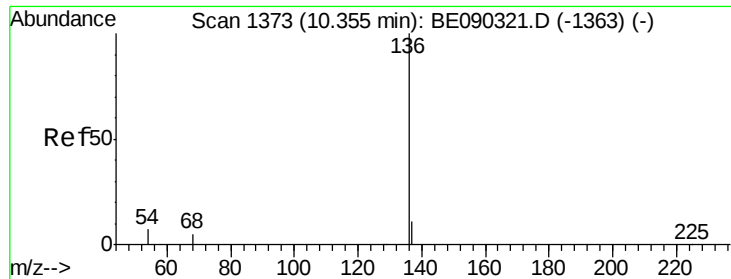


Abundance Ion 99.00 (98.70 to 99.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

Ion 71.00 (70.70 to 71.70): BE0

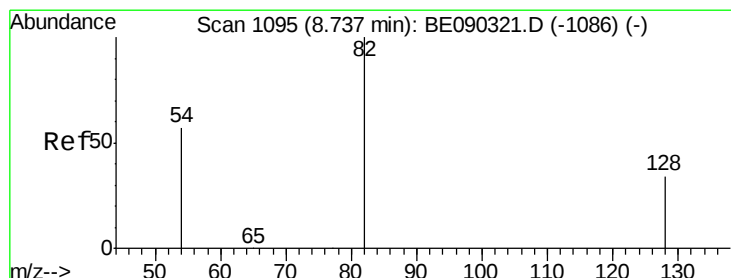
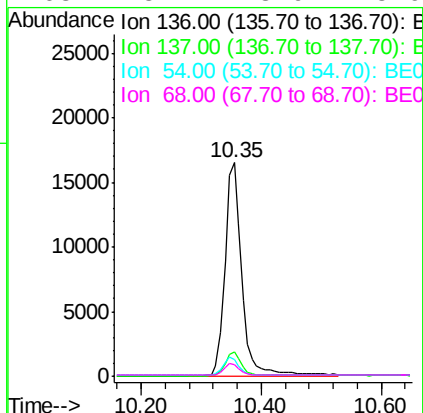
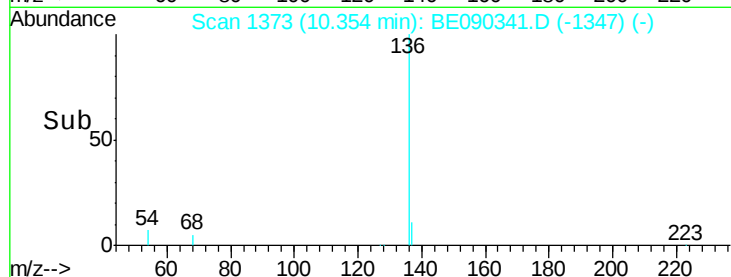
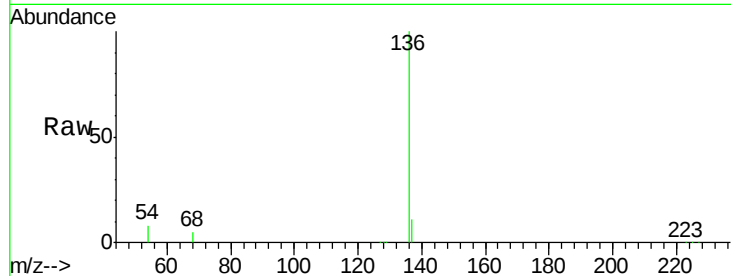




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.35 min Scan# 1373
Delta R.T. -0.00 min
Lab File: BE090341.D
Acq: 4 Aug 2015 11:12

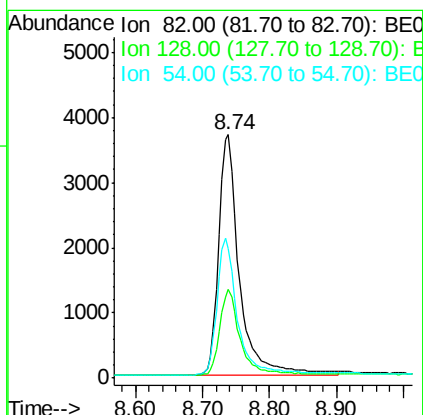
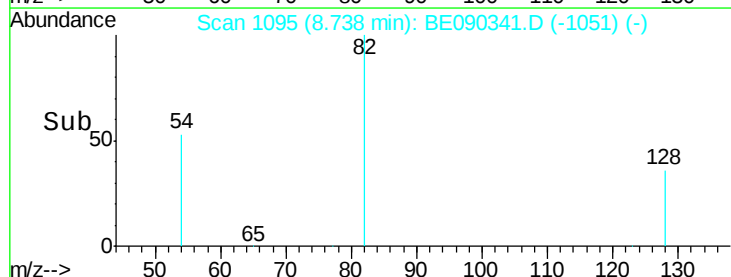
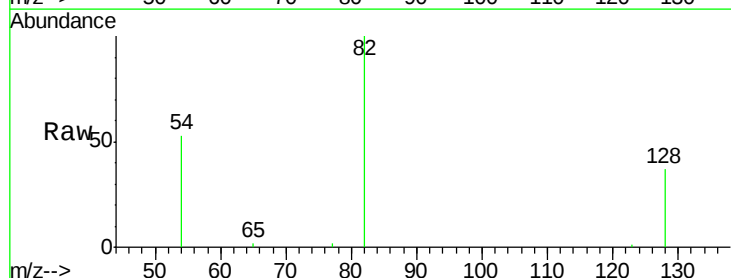
Instrument :
BNA_E
ClientSampleId :
080215-D506-F-D-S

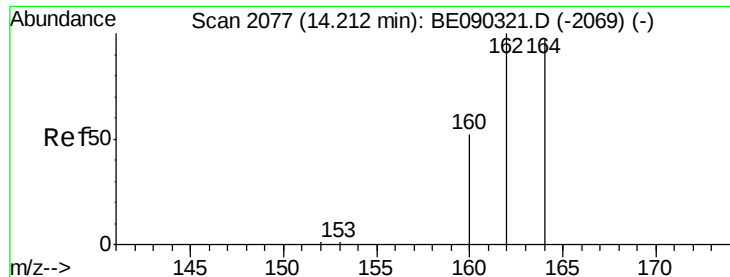
Tgt Ion:	136	Resp:	32202
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	7.6	6.0	9.0
68	5.2	3.9	5.9



#7
Nitrobenzene-d5
Concen: 4.15 ng
RT: 8.74 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE090341.D
Acq: 4 Aug 2015 11:12

Tgt Ion:	82	Resp:	7902
Ion	Ratio	Lower	Upper
82	100		
128	36.6	30.8	46.2
54	53.3	47.5	71.3





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.21 min Scan# 2077

Delta R.T. -0.01 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

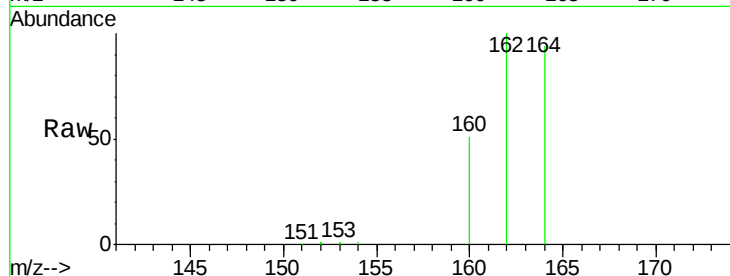
Tgt Ion:164 Resp: 16238

Ion Ratio Lower Upper

164 100

162 106.1 82.7 124.1

160 54.1 43.0 64.6



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

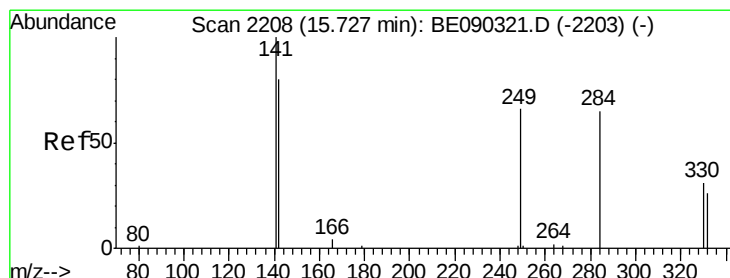
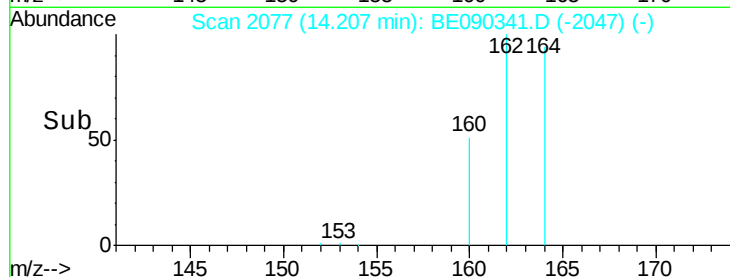
14.21

10000

5000

0

Time-->



#13

2,4,6-Tribromophenol

Concen: 6.76 ng

RT: 15.71 min Scan# 2207

Delta R.T. -0.02 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

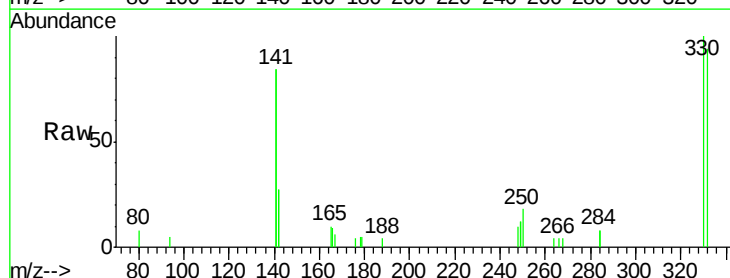
Tgt Ion:330 Resp: 2102

Ion Ratio Lower Upper

330 100

332 95.7 79.4 119.0

141 263.3 245.9 368.9



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

15.71

4000

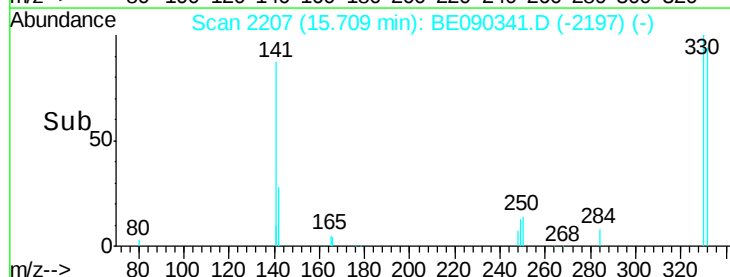
3000

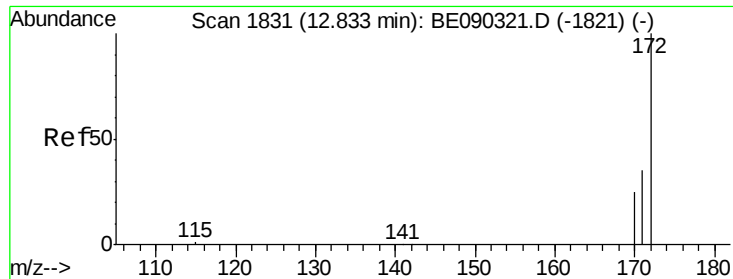
2000

1000

0

Time-->

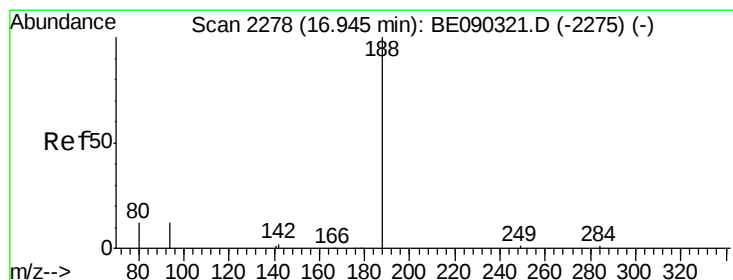
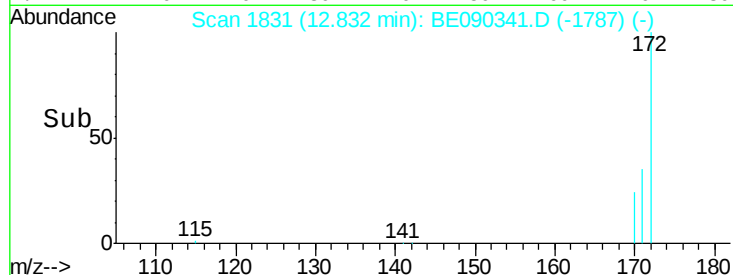
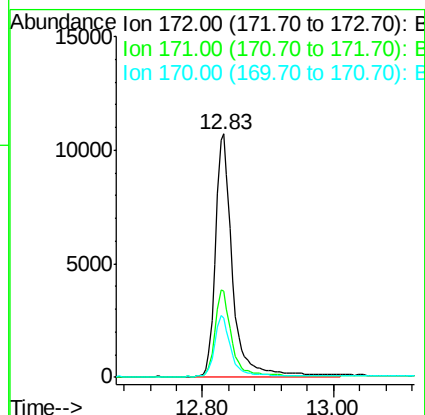
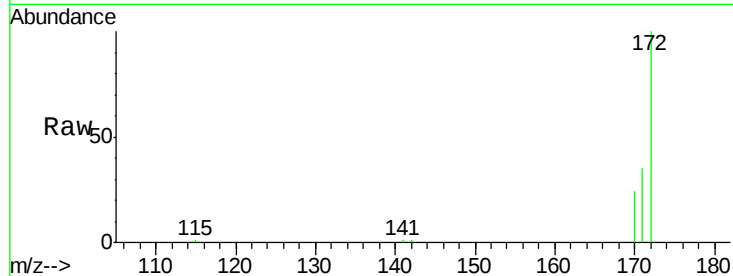




#14
2-Fluorobiphenyl
Concen: 4.08 ng
RT: 12.83 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BE090341.D
Acq: 4 Aug 2015 11:12

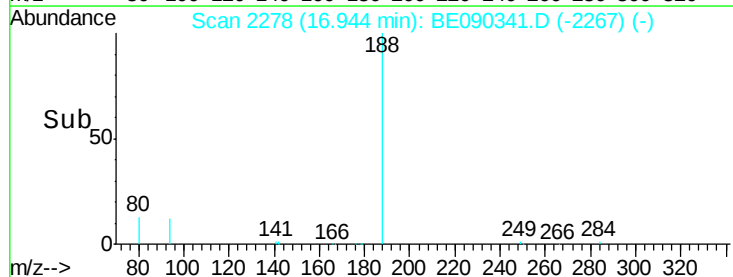
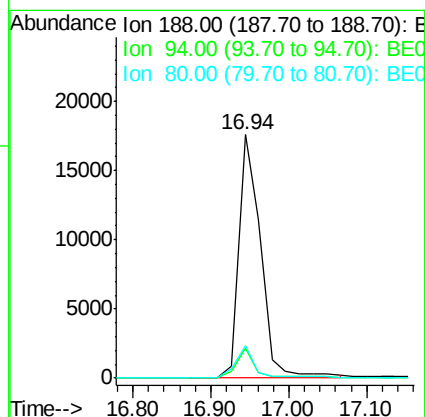
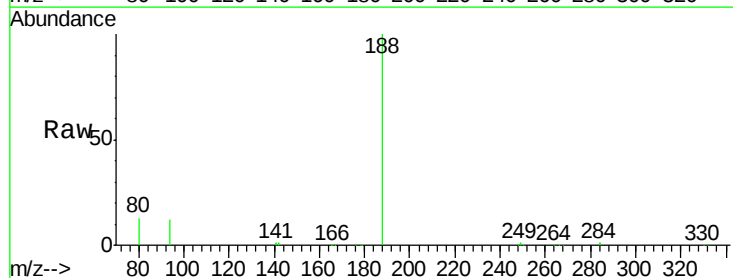
Instrument :
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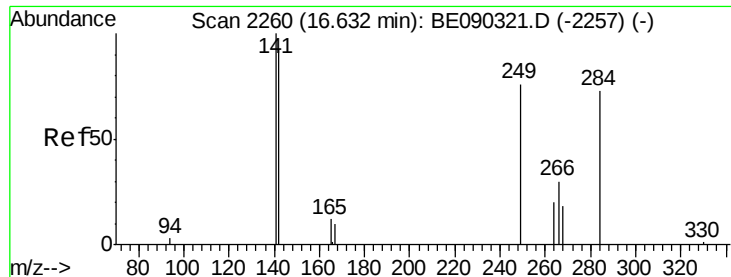
Tgt Ion:172 Resp: 19188
Ion Ratio Lower Upper
172 100
171 35.3 29.5 44.3
170 24.2 21.3 31.9



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BE090341.D
Acq: 4 Aug 2015 11:12

Tgt Ion:188 Resp: 34022
Ion Ratio Lower Upper
188 100
94 12.2 9.5 14.3
80 13.3 10.0 15.0





#21

Pentachlorophenol

Concen: 0.41 ng

RT: 16.61 min Scan# 2259

Delta R.T. -0.02 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

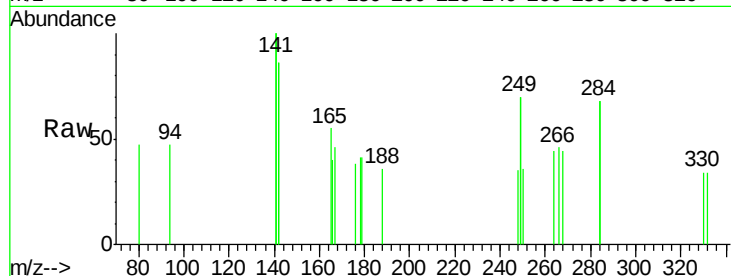
Tgt Ion:266 Resp: 68

Ion Ratio Lower Upper

266 100

268 95.1 66.2 99.2

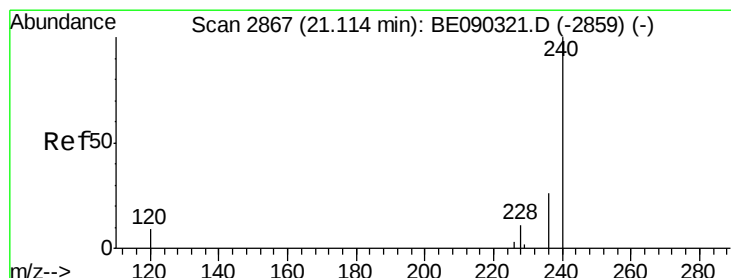
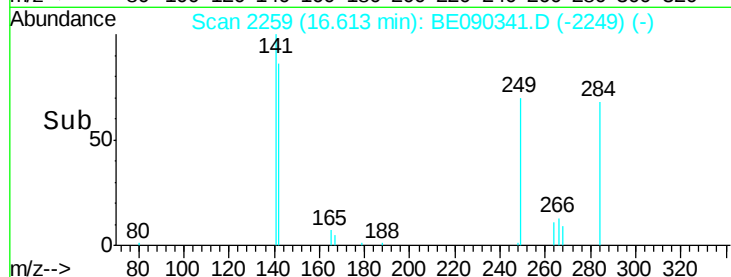
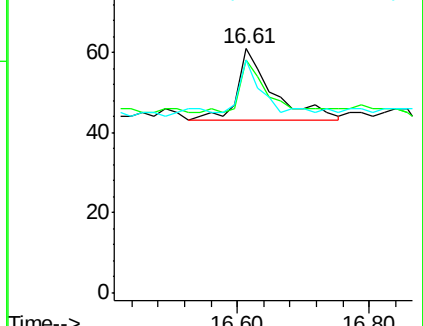
264 95.1 69.1 103.7



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: 21.11 min Scan# 2867

Delta R.T. -0.01 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

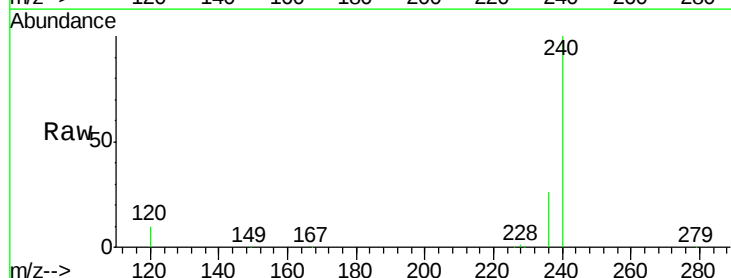
Tgt Ion:240 Resp: 31051

Ion Ratio Lower Upper

240 100

120 9.6 7.5 11.3

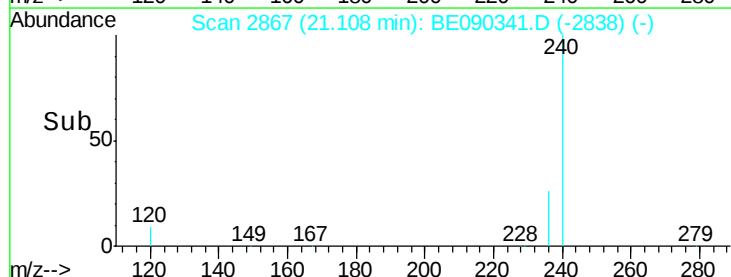
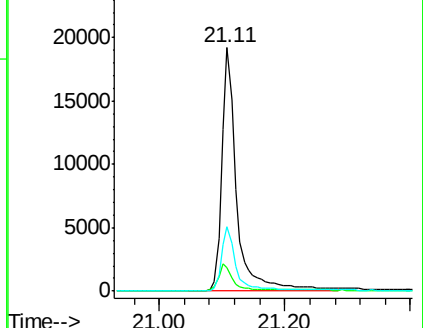
236 26.4 21.0 31.4

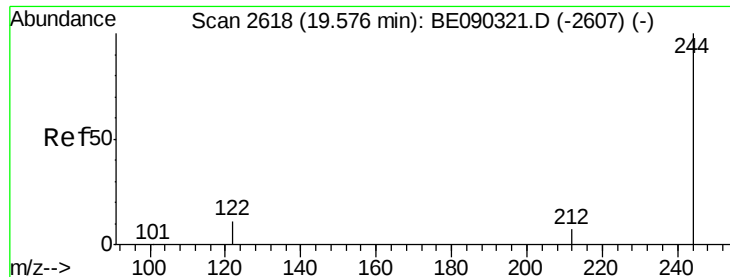


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

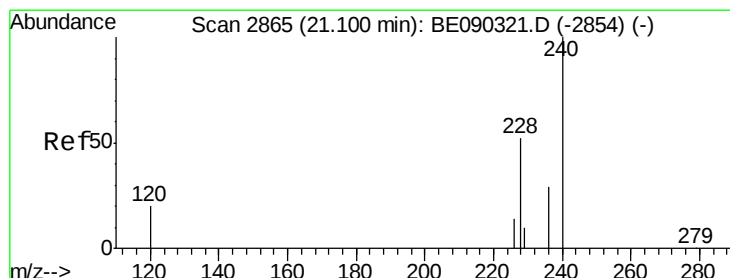
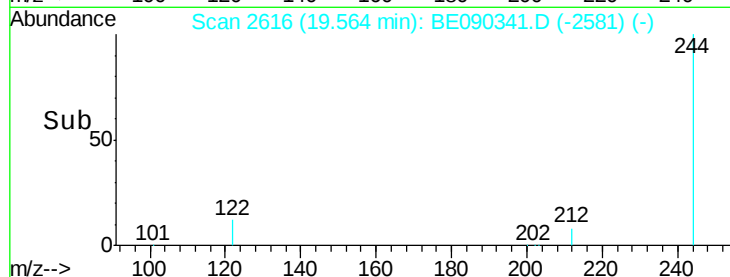
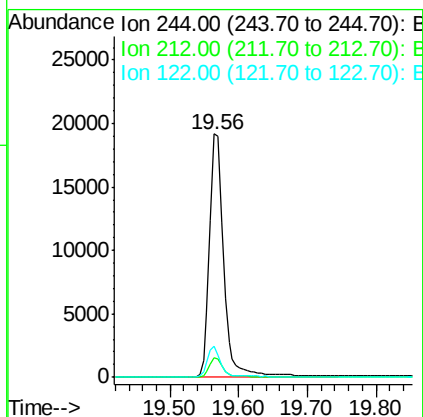
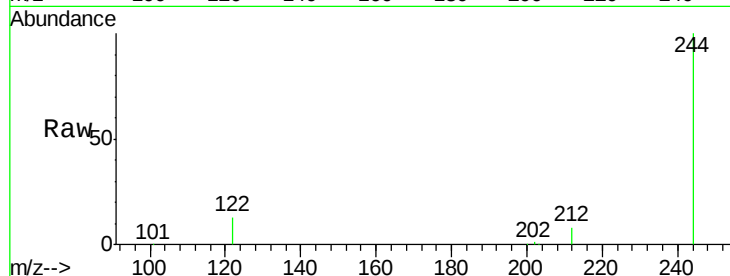




#27
 Terphenyl-d14
 Concen: 4.72 ng
 RT: 19.56 min Scan# 2616
 Delta R.T. -0.01 min
 Lab File: BE090341.D
 Acq: 4 Aug 2015 11:12

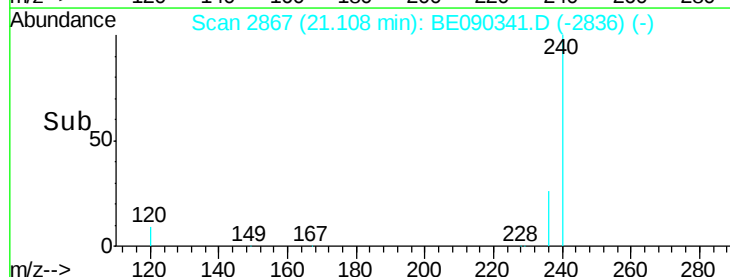
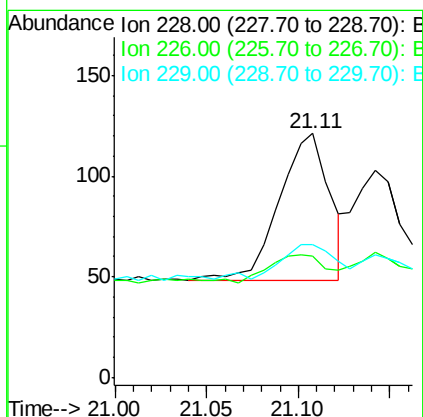
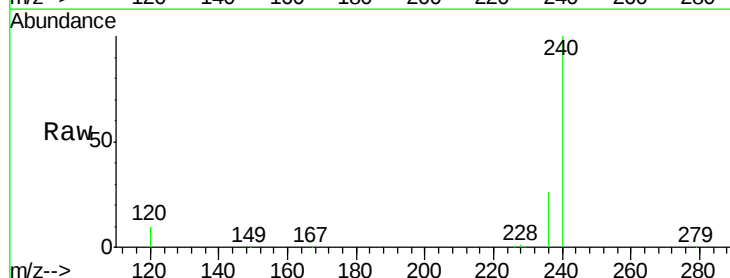
Instrument :
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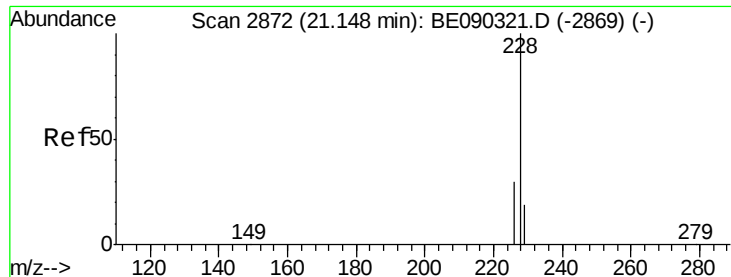
Tgt Ion:244 Resp: 27403
 Ion Ratio Lower Upper
 244 100
 212 8.0 7.4 11.2
 122 12.7 10.4 15.6



#28
 Benzo(a)anthracene
 Concen: 0.02 ng
 RT: 21.11 min Scan# 2867
 Delta R.T. 0.01 min
 Lab File: BE090341.D
 Acq: 4 Aug 2015 11:12

Tgt Ion:228 Resp: 140
 Ion Ratio Lower Upper
 228 100
 226 49.6 23.0 34.4#
 229 54.5 17.4 26.2#





#29

Chrysene

Concen: Below Cal

RT: 21.14 min Scan# 2872

Delta R.T. -0.00 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

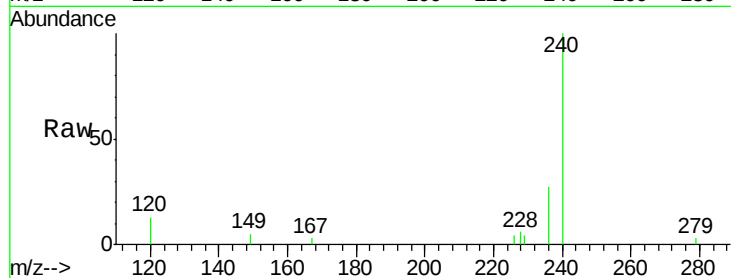
Tgt Ion:228 Resp: 79

Ion Ratio Lower Upper

228 100

226 60.2 24.9 37.3#

229 59.2 16.6 25.0#



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

21.14

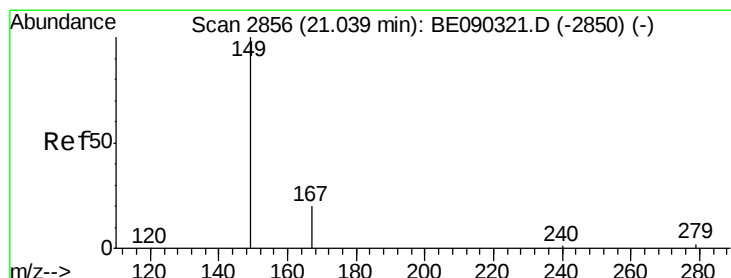
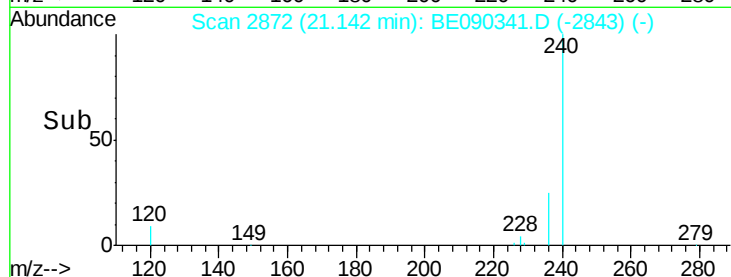
100

50

0

21.10 21.15 21.20

Time-->



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.38 ng

RT: 21.03 min Scan# 2856

Delta R.T. -0.01 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

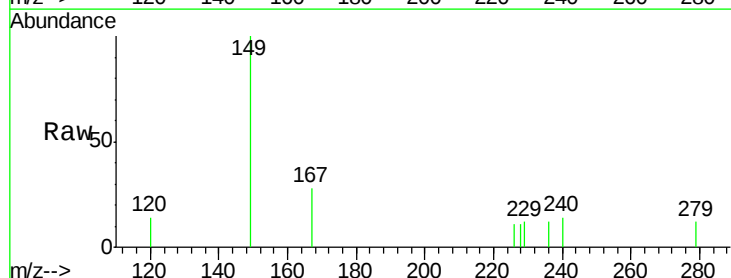
Tgt Ion:149 Resp: 464

Ion Ratio Lower Upper

149 100

167 21.3 16.6 24.8

279 4.3 2.7 4.1#



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

21.03

400

300

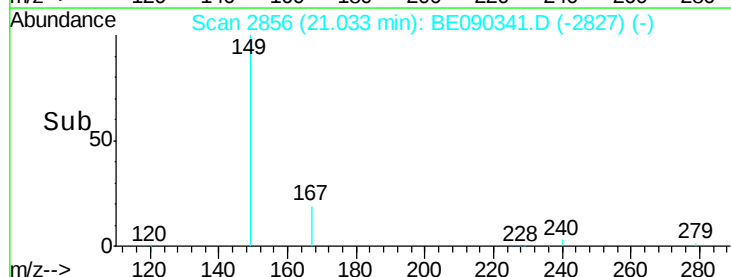
200

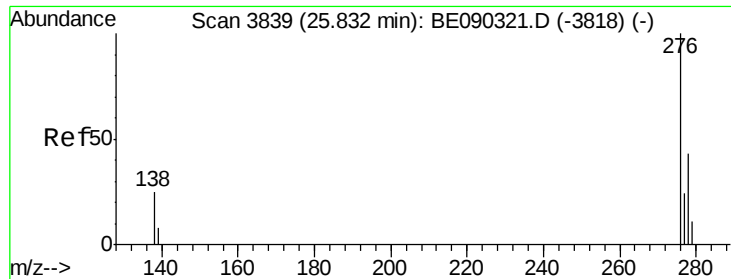
100

0

21.00 21.05 21.10

Time-->





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.19 ng

RT: 25.82 min Scan# 3836

Delta R.T. -0.01 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

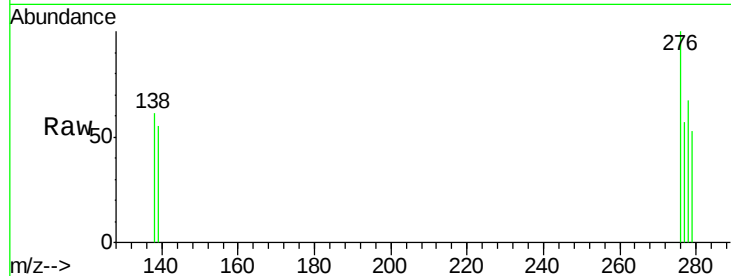
Tgt Ion:276 Resp: 207

Ion Ratio Lower Upper

276 100

138 17.4 10.6 16.0#

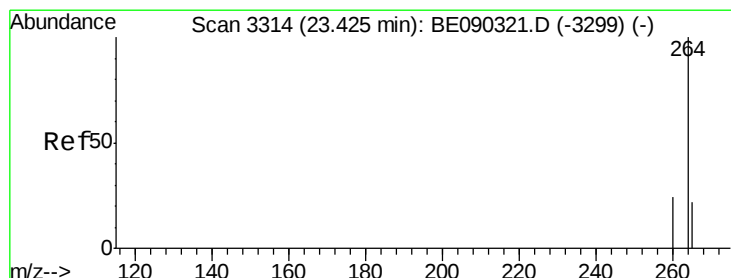
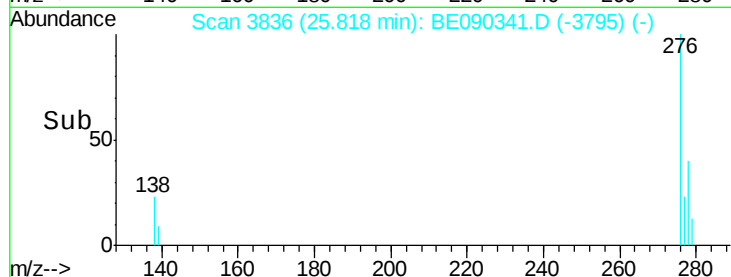
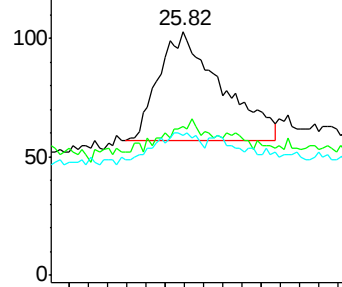
277 21.3 14.6 22.0



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.42 min Scan# 3313

Delta R.T. -0.01 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

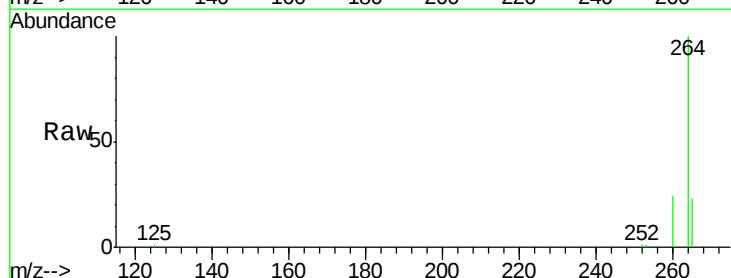
Tgt Ion:264 Resp: 27604

Ion Ratio Lower Upper

264 100

260 24.4 20.1 30.1

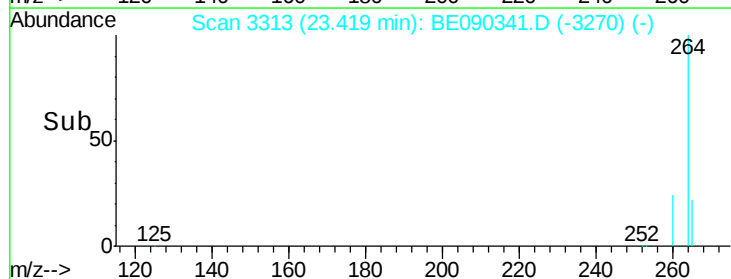
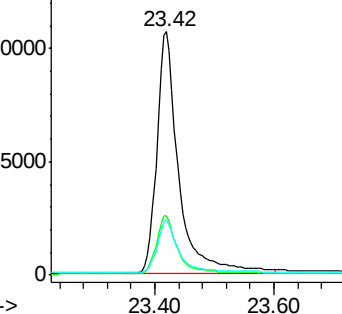
265 22.8 18.6 28.0

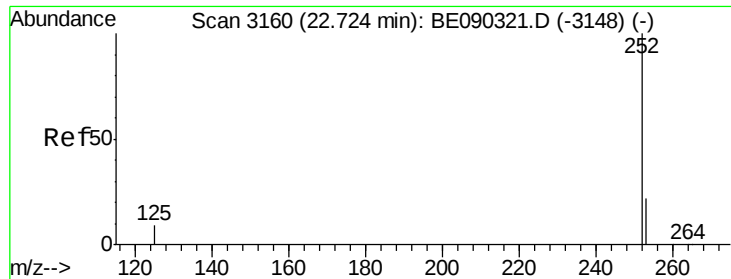


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.37 ng

RT: 22.72 min Scan# 3159

Delta R.T. -0.00 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

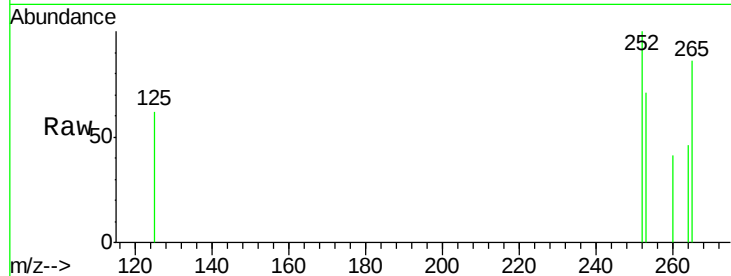
Tgt Ion: 252 Resp: 114

Ion Ratio Lower Upper

252 100

253 70.9 21.5 32.3#

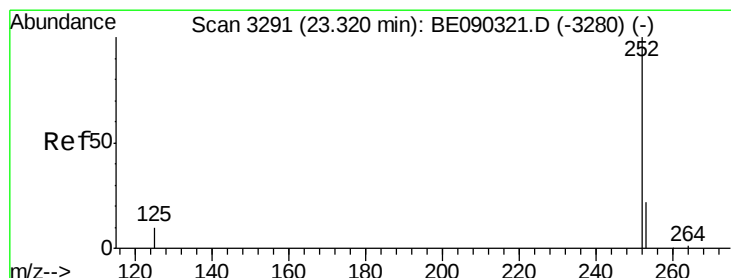
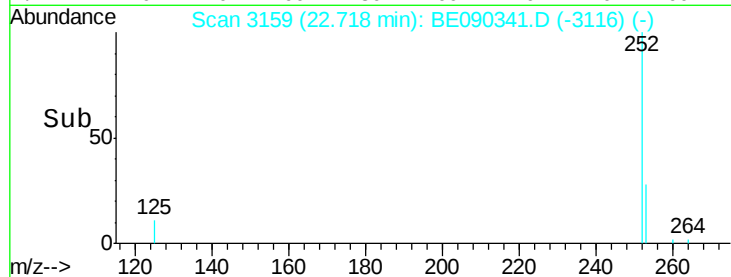
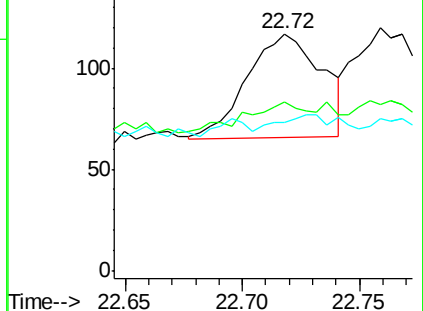
125 62.4 11.8 17.8#



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



#35

Benzo(a)pyrene

Concen: 0.33 ng

RT: 23.31 min Scan# 3289

Delta R.T. -0.01 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

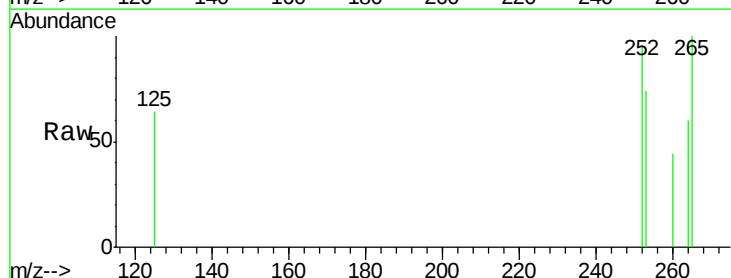
Tgt Ion: 252 Resp: 130

Ion Ratio Lower Upper

252 100

253 77.1 23.0 34.4#

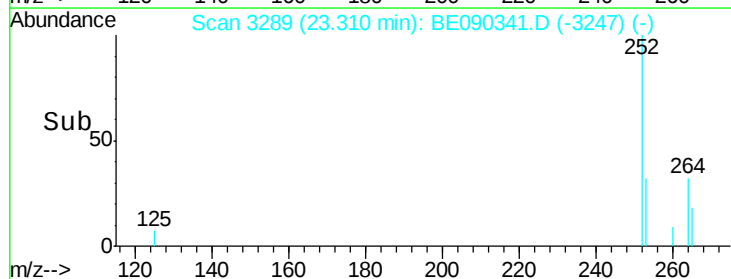
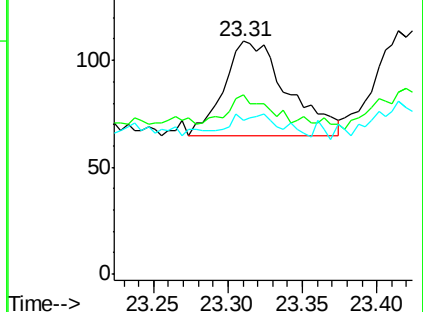
125 66.1 14.2 21.2#

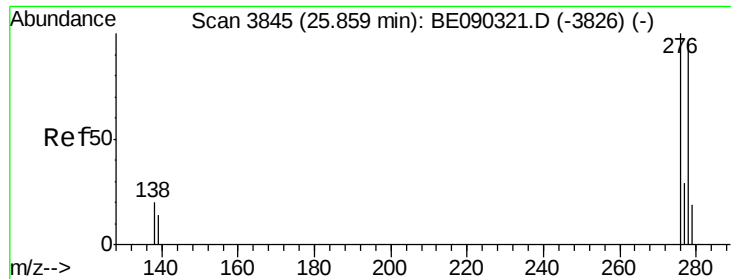


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.23 ng

RT: 25.84 min Scan# 3841

Delta R.T. -0.02 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

Instrument :

BNA_E

ClientSampleId :

080215-D506-F-D-S

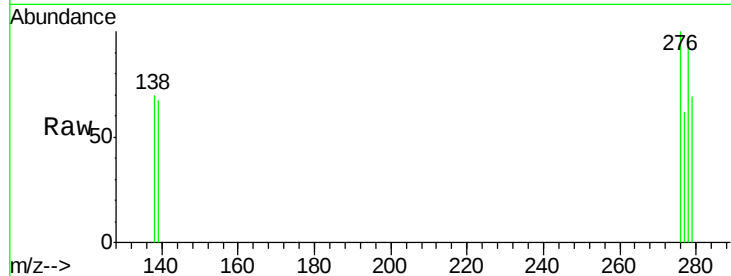
Tgt Ion: 278 Resp: 119

Ion Ratio Lower Upper

278 100

139 69.0 27.8 41.6#

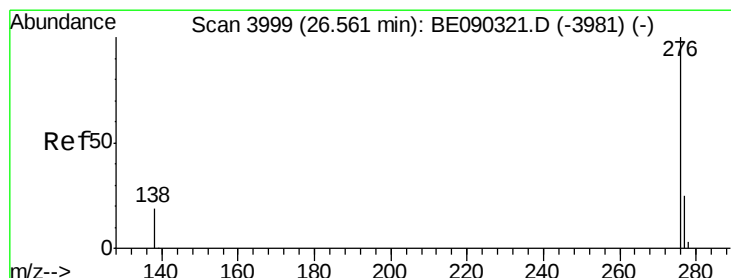
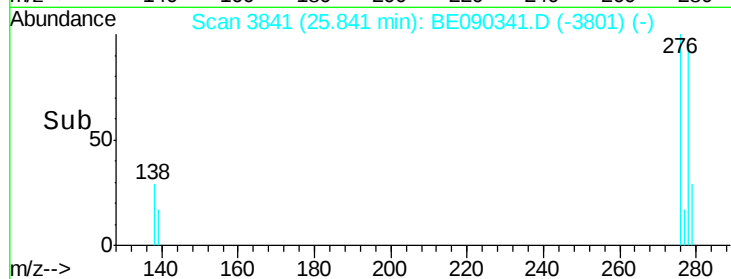
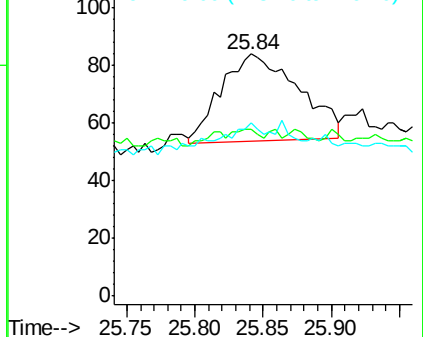
279 71.4 30.9 46.3#



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



#37

Benzo(g,h,i)perylene

Concen: 0.29 ng

RT: 26.55 min Scan# 3996

Delta R.T. -0.01 min

Lab File: BE090341.D

Acq: 4 Aug 2015 11:12

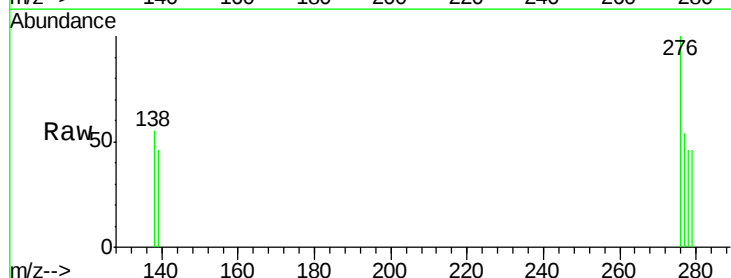
Tgt Ion: 276 Resp: 267

Ion Ratio Lower Upper

276 100

277 54.4 25.6 38.4#

138 55.3 22.0 33.0#



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

