

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090373.D
 Acq On : 5 Aug 2015 23:31
 Operator : TP/UM
 Sample : G3180-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-D-S

Quant Time: Aug 06 02:35:09 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE080515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 06 02:22:05 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.59	152	20349	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	89510	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	50796	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	117556	5.00	ng	0.00
25) Chrysene-d12	21.10	240	147579	5.00	ng	0.00
32) Perylene-d12	23.40	264	135740	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	7582	2.18	ng	0.00
5) Phenol-d6	6.78	99	6881	1.26	ng	0.00
7) Nitrobenzene-d5	8.73	82	19204	2.73	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	9431	6.62	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	52958	3.79	ng	0.00
27) Terphenyl-d14	19.56	244	117685	5.41	ng	0.00

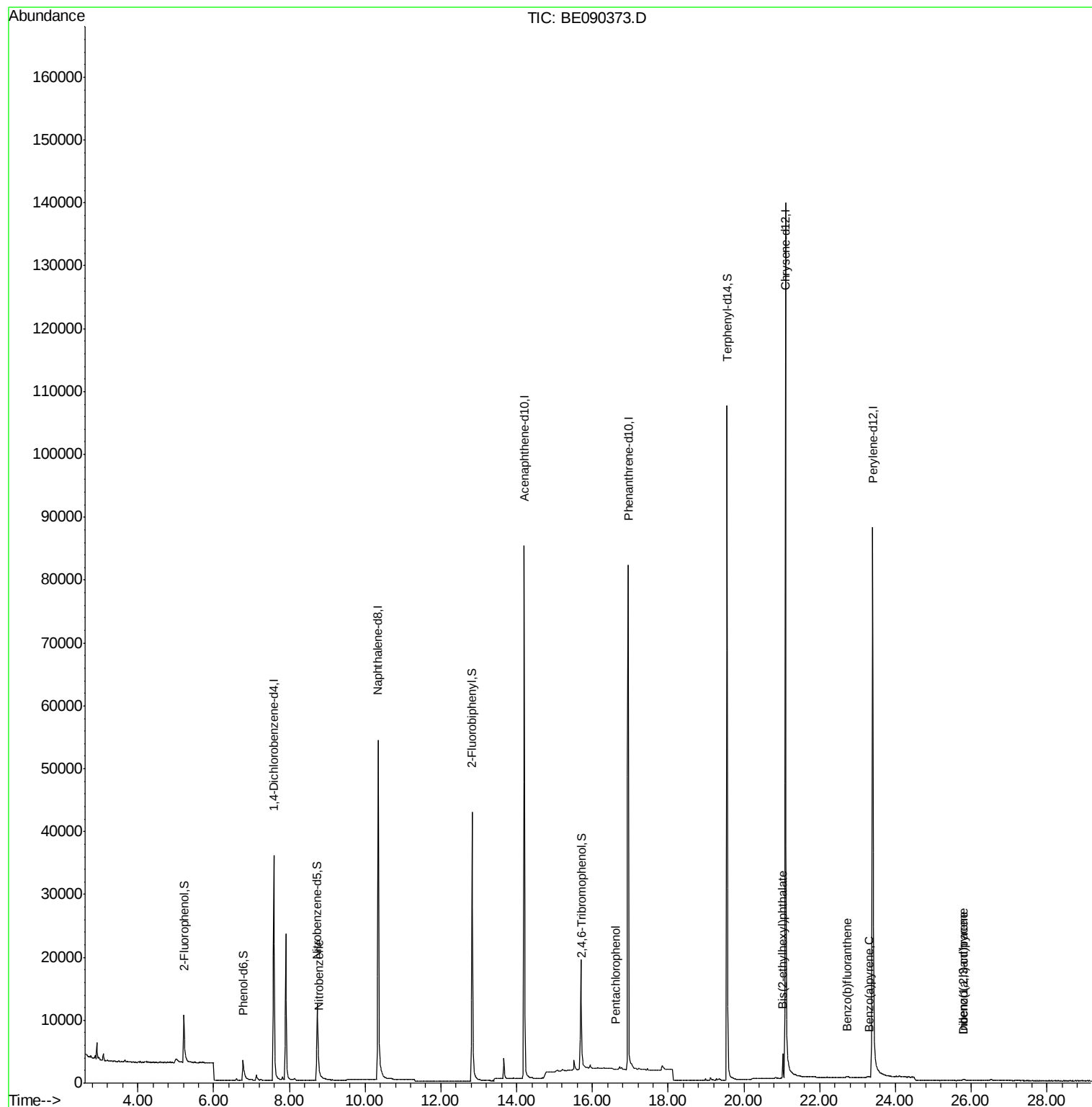
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.20	88	64	Below Cal	#	23
8) Nitrobenzene	8.78	77	3	0.21 ng	#	1
10) Hexachlorobutadiene	10.69	225	5	Below Cal	#	44
21) Pentachlorophenol	16.61	266	27	0.11 ng	#	63
30) Bis(2-ethylhexyl)phthalate	21.03	149	3681	0.57 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.79	276	445	0.27 ng		96
33) Benzo(b)fluoranthene	22.71	252	273	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	243	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	153	0.29 ng	#	15

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

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.59 min Scan# 846

Delta R.T. -0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S

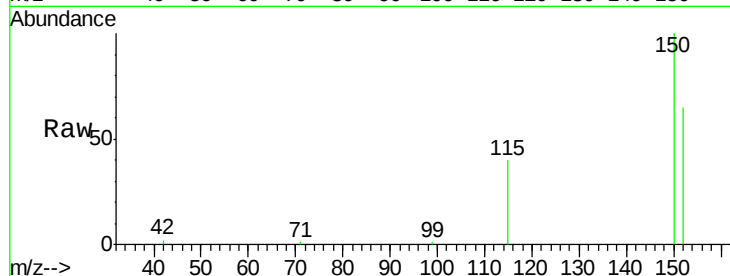
Tgt Ion:152 Resp: 20349

Ion Ratio Lower Upper

152 100

150 154.7 123.0 184.4

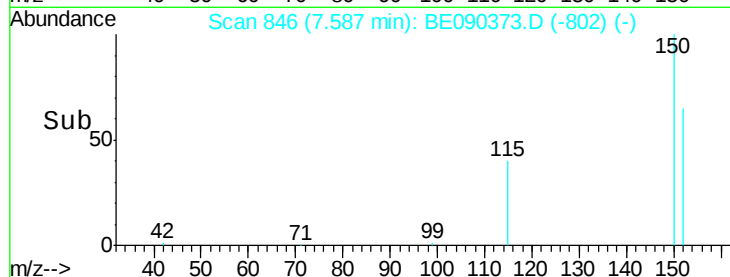
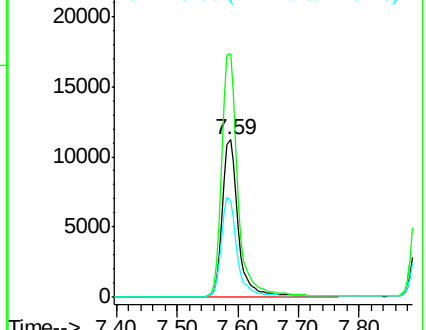
115 61.6 48.9 73.3



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: 3.20 min Scan# 89

Delta R.T. 0.01 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

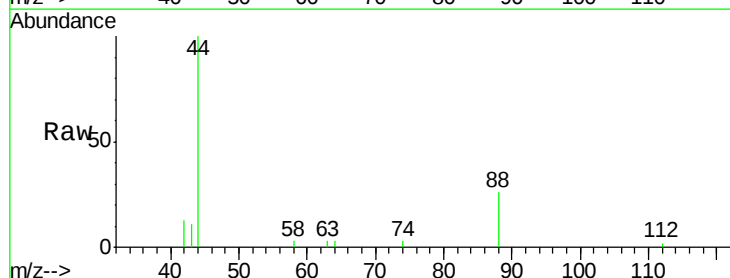
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

58 70.3 70.0 105.0

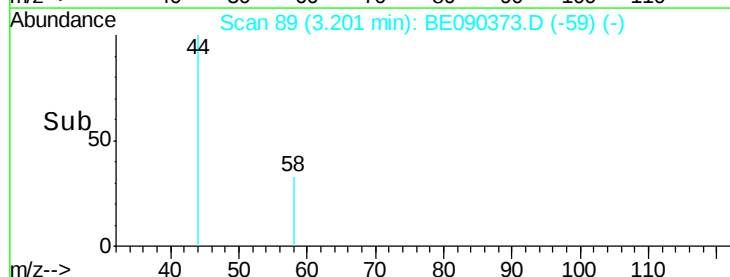
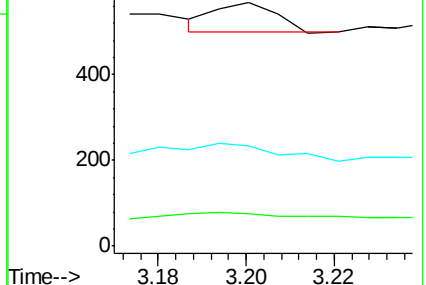
43 164.1 28.4 42.6#



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

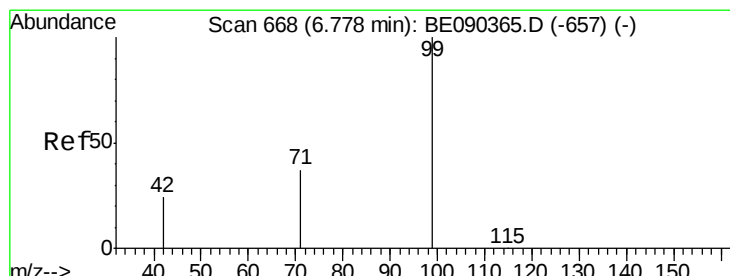
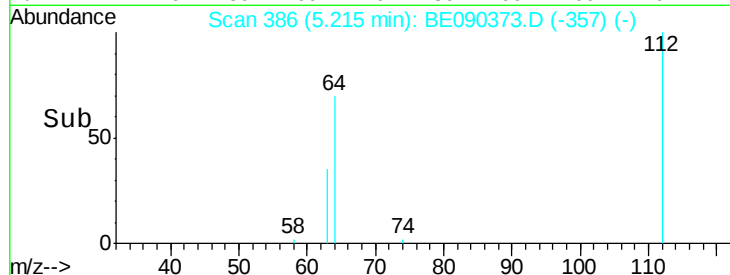
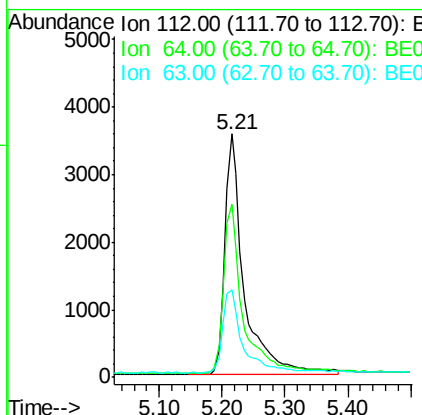
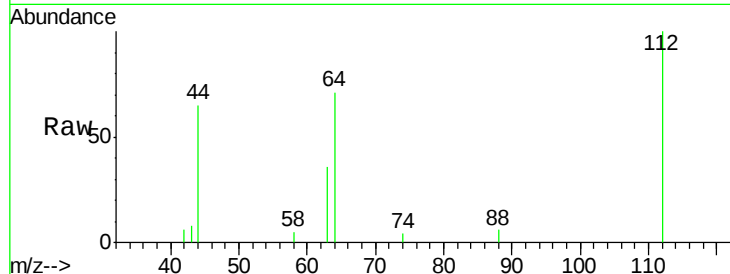




#4
 2-Fluorophenol
 Concen: 2.18 ng
 RT: 5.21 min Scan# 386
 Delta R.T. -0.00 min
 Lab File: BE090373.D
 Acq: 5 Aug 2015 23:31

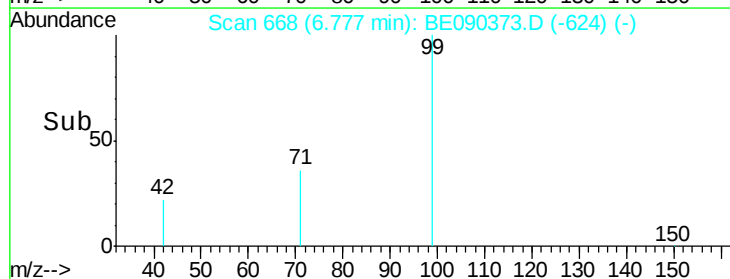
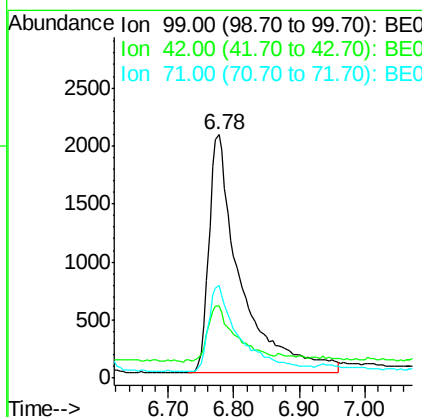
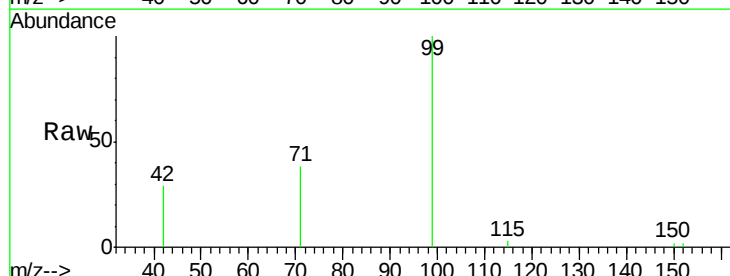
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-D-S

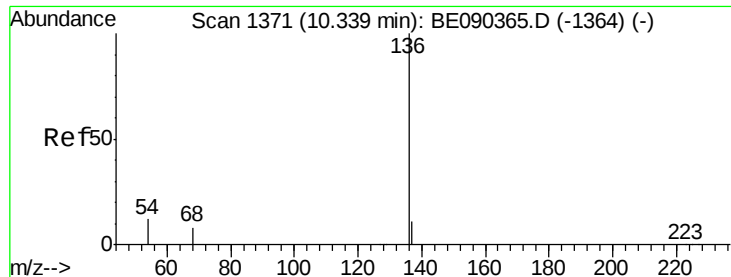
Tgt Ion:	112	Resp:	7582
Ion	Ratio	Lower	Upper
112	100		
64	71.6	37.1	55.7#
63	35.6	19.5	29.3#



#5
 Phenol-d6
 Concen: 1.26 ng
 RT: 6.78 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BE090373.D
 Acq: 5 Aug 2015 23:31

Tgt Ion:	99	Resp:	6881
Ion	Ratio	Lower	Upper
99	100		
42	21.3	18.2	27.4
71	36.0	27.4	41.0





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S

Tgt Ion:136 Resp: 89510

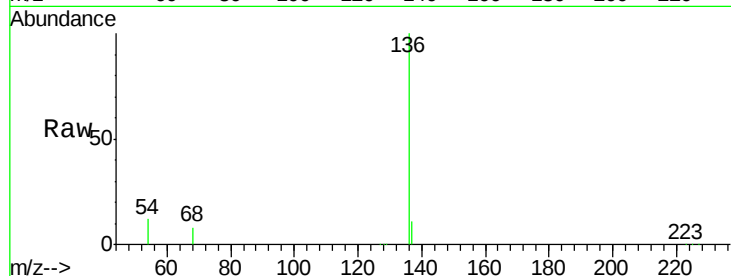
Ion Ratio Lower Upper

136 100

137 11.0 8.7 13.1

54 11.9 9.4 14.0

68 8.4 6.5 9.7

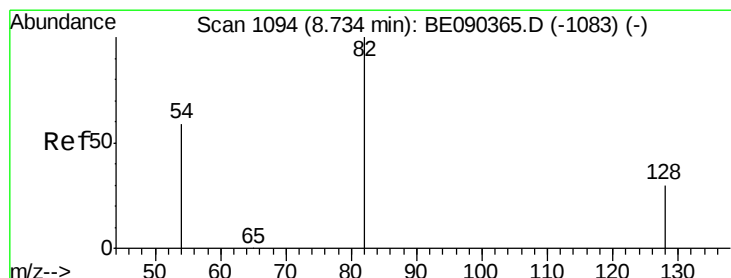
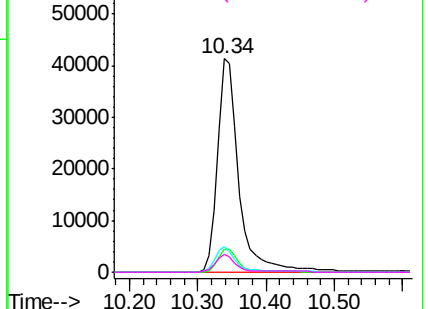
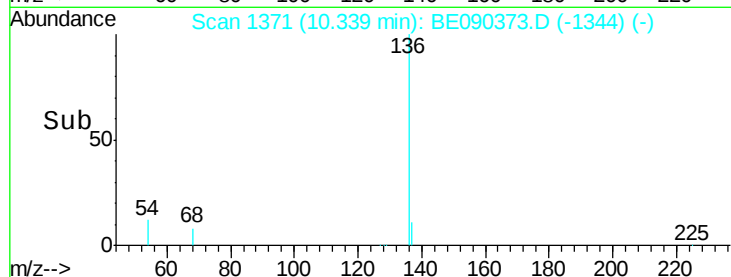


Abundance Ion 136.00 (135.70 to 136.70): E

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: 2.73 ng

RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

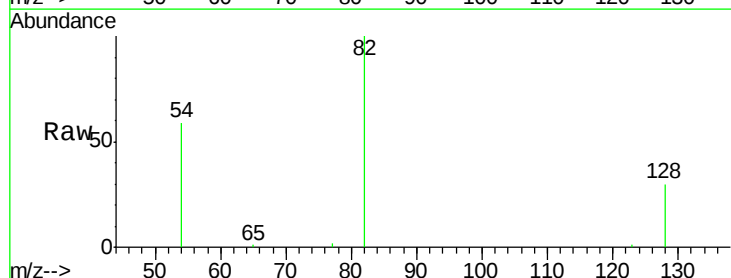
Tgt Ion: 82 Resp: 19204

Ion Ratio Lower Upper

82 100

128 30.3 25.0 37.6

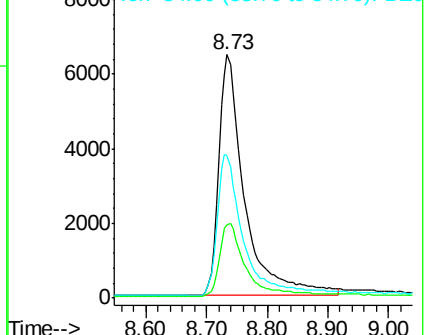
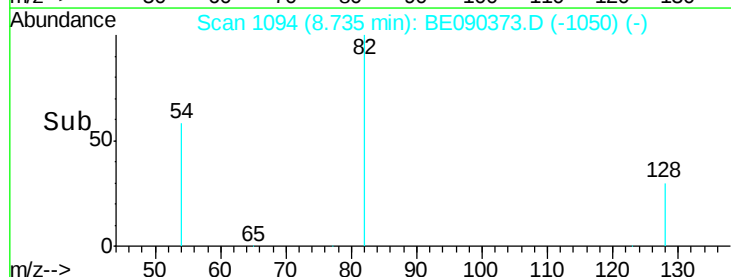
54 58.8 48.8 73.2

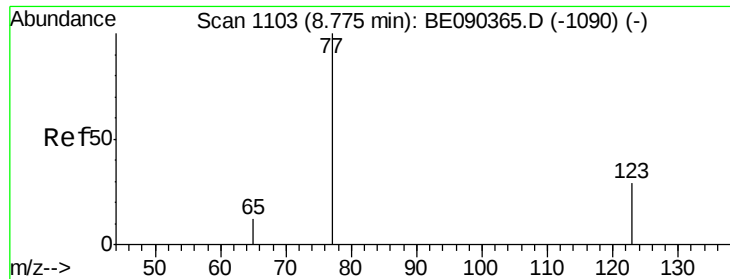


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.78 min Scan# 1103

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

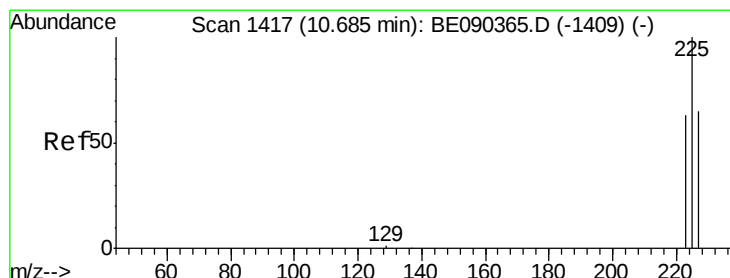
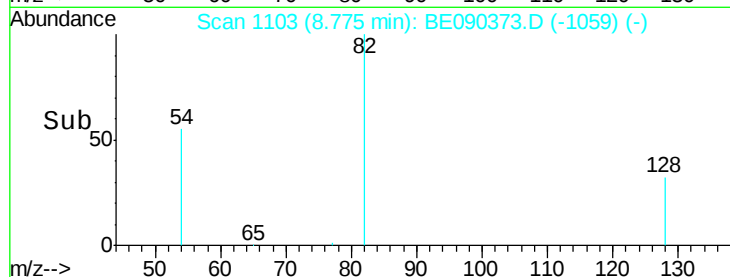
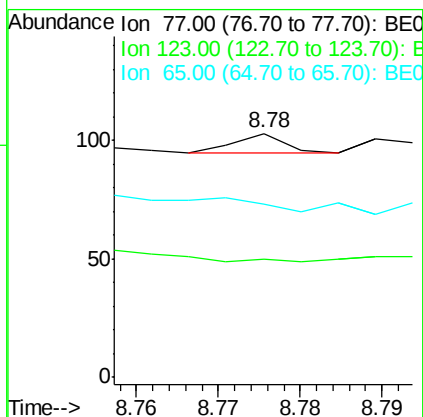
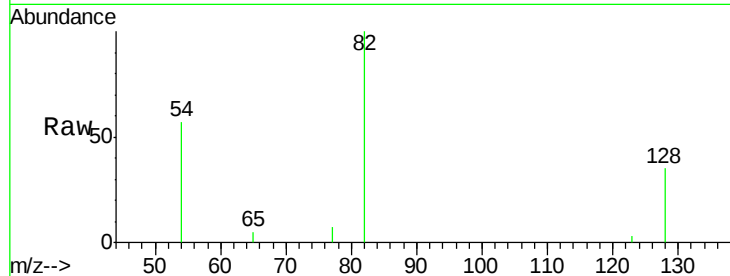
Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S

Tgt Ion:	77	Resp:	3
Ion	Ratio	Lower	Upper
77	100		
123	100.0	25.1	37.7#
65	0.0	9.3	13.9#



#10

Hexachlorobutadiene

Concen: Below Cal

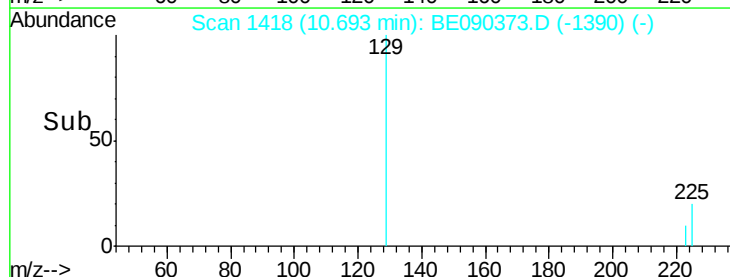
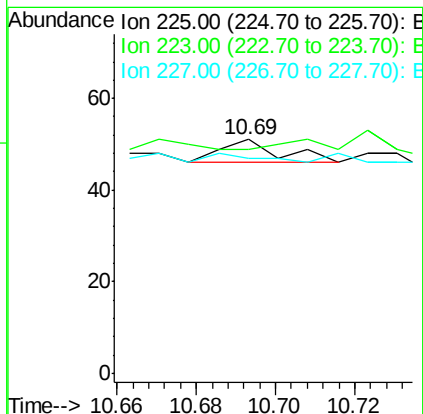
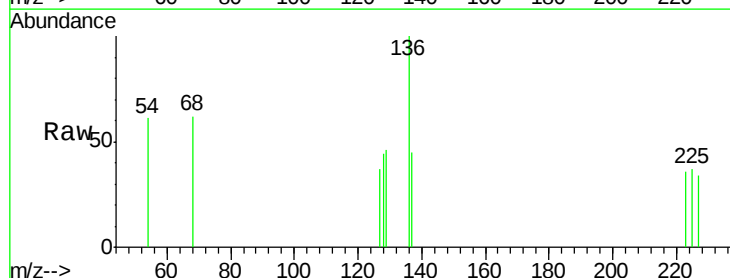
RT: 10.69 min Scan# 1418

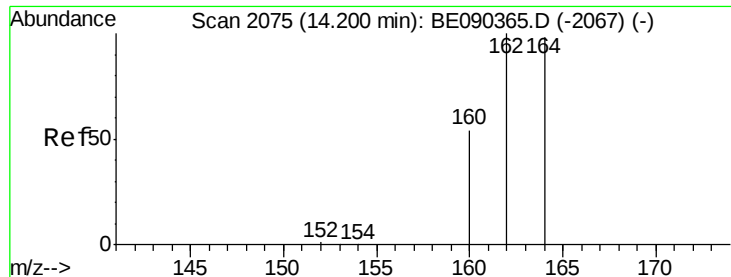
Delta R.T. 0.01 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

Tgt Ion:	225	Resp:	5
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	40.0	50.7	76.1#





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S

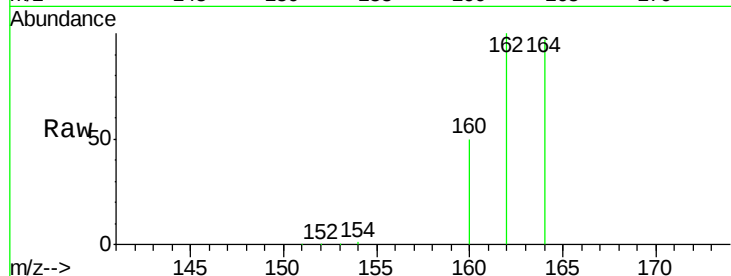
Tgt Ion:164 Resp: 50796

Ion Ratio Lower Upper

164 100

162 103.1 81.8 122.8

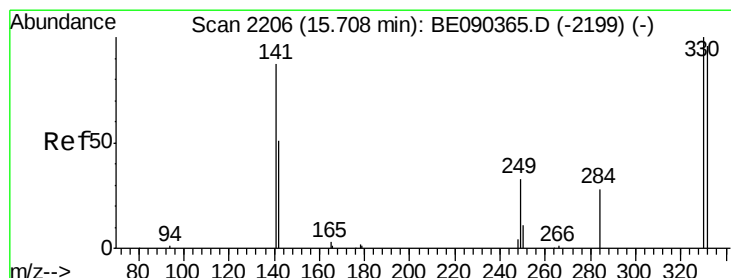
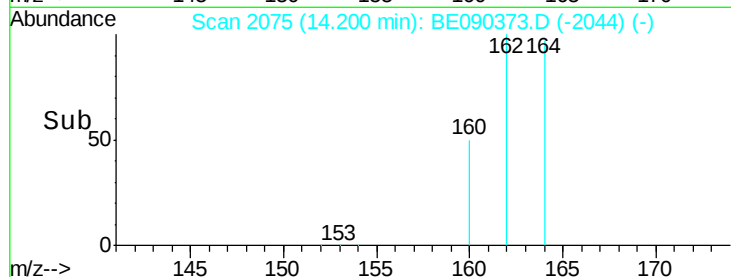
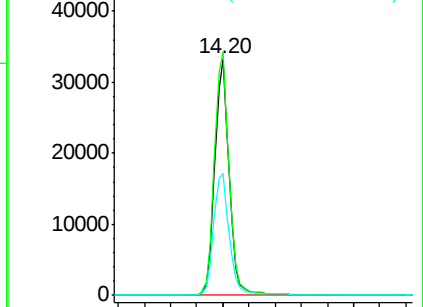
160 51.8 44.2 66.4



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



#13

2,4,6-Tribromophenol

Concen: 6.62 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

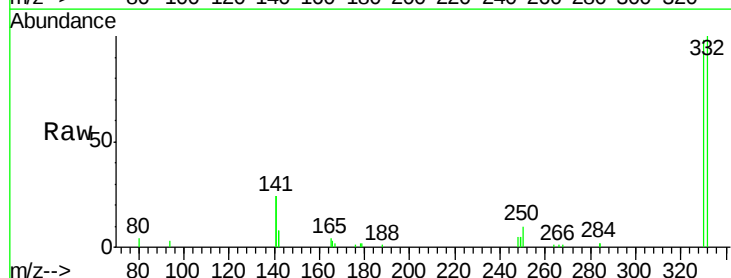
Tgt Ion:330 Resp: 9431

Ion Ratio Lower Upper

330 100

332 97.6 75.8 113.6

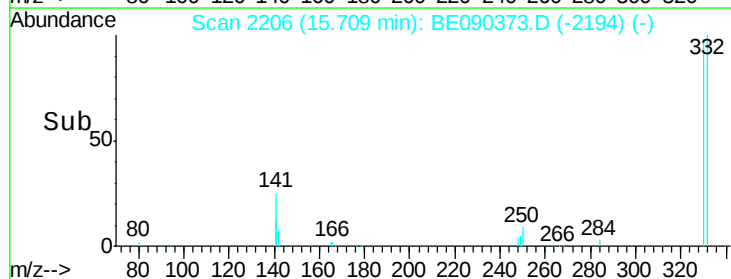
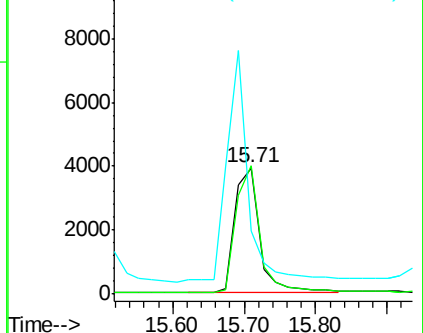
141 158.8 114.4 171.6

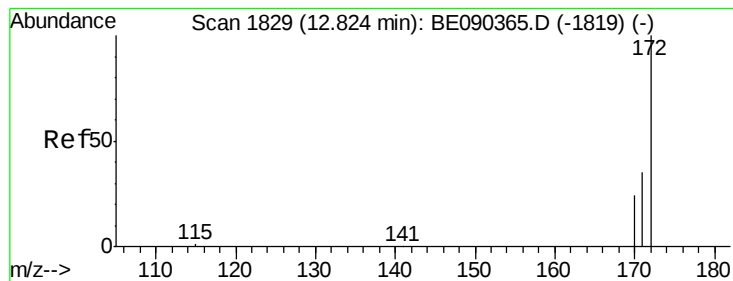


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

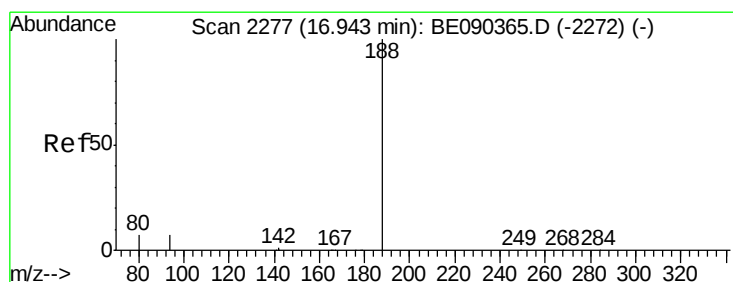
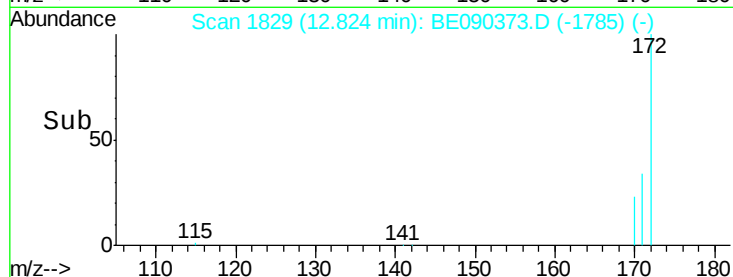
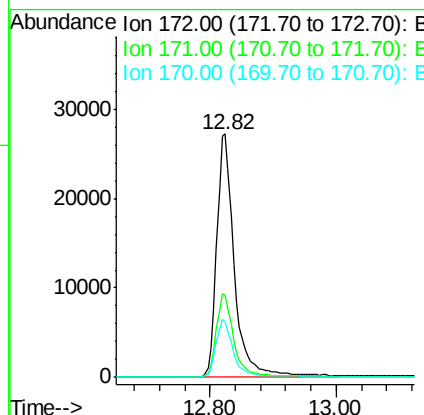
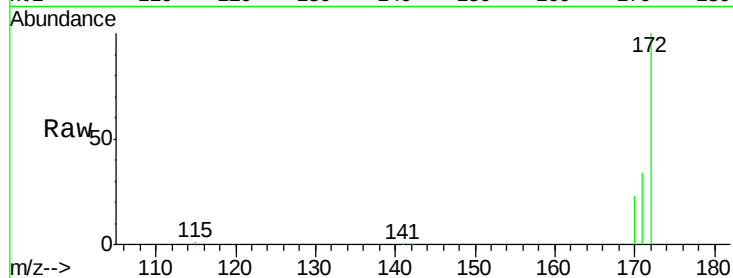




#14
2-Fluorobiphenyl
Concen: 3.79 ng
RT: 12.82 min Scan# 1829
Delta R.T. 0.00 min
Lab File: BE090373.D
Acq: 5 Aug 2015 23:31

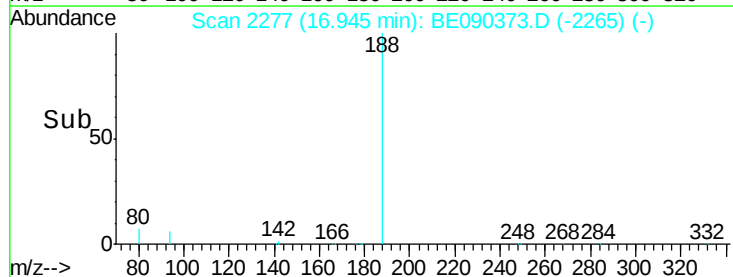
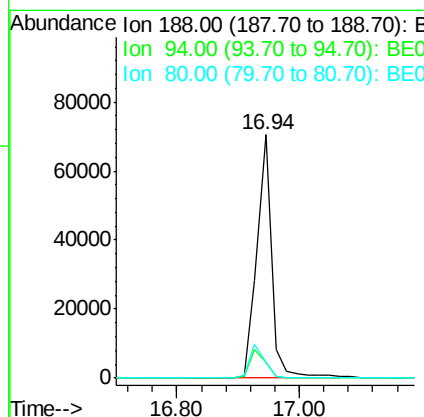
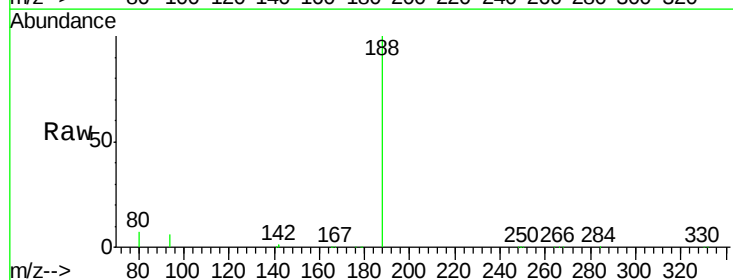
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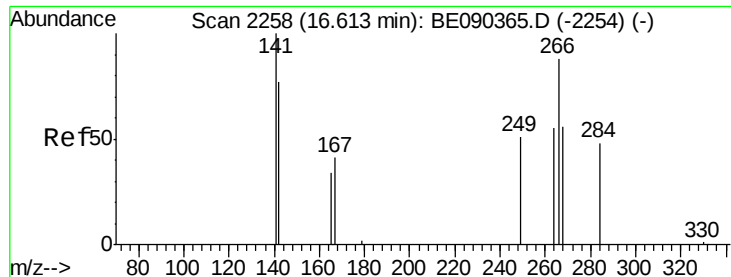
Tgt Ion:172 Resp: 52958
Ion Ratio Lower Upper
172 100
171 33.7 28.5 42.7
170 22.8 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090373.D
Acq: 5 Aug 2015 23:31

Tgt Ion:188 Resp: 117556
Ion Ratio Lower Upper
188 100
94 6.4 5.7 8.5
80 6.7 5.8 8.8





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S

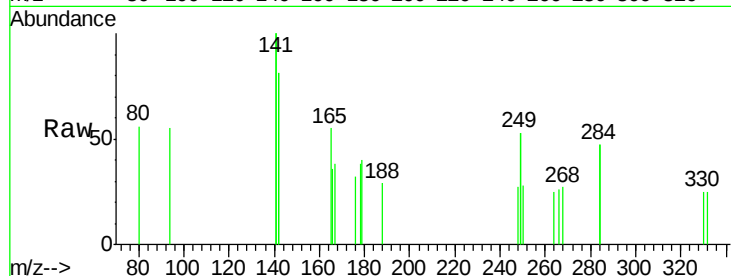
Tgt Ion:266 Resp: 27

Ion Ratio Lower Upper

266 100

268 105.9 58.5 87.7#

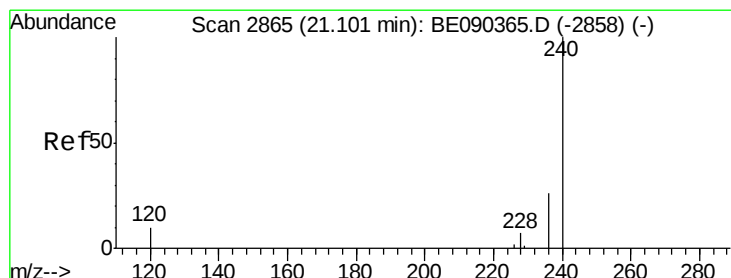
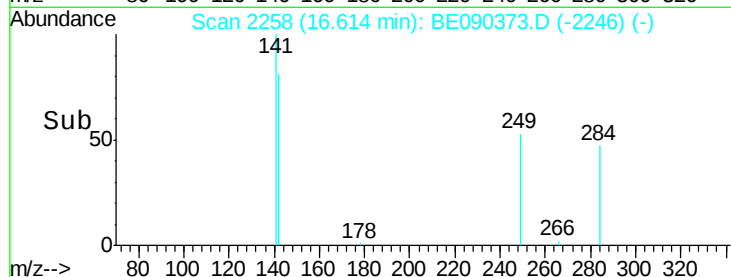
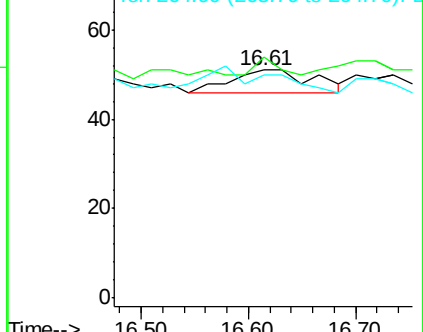
264 98.0 56.0 84.0#



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: 21.10 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

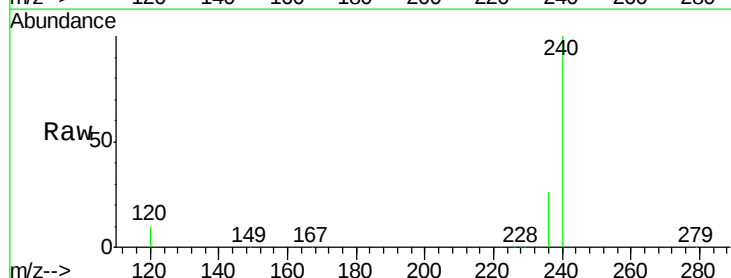
Tgt Ion:240 Resp: 147579

Ion Ratio Lower Upper

240 100

120 10.3 8.3 12.5

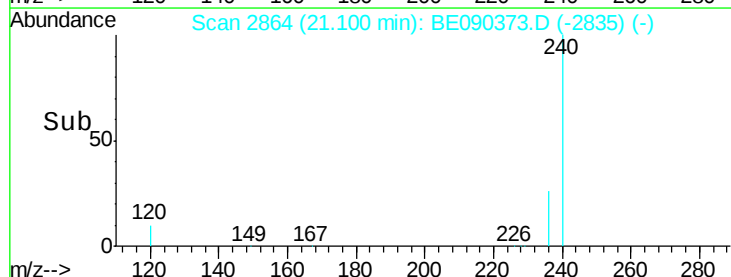
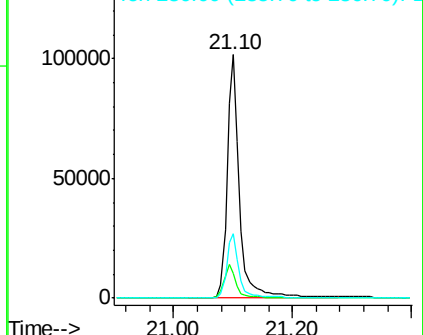
236 26.4 21.0 31.4

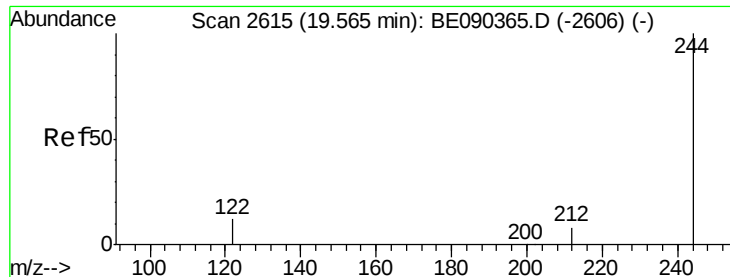


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

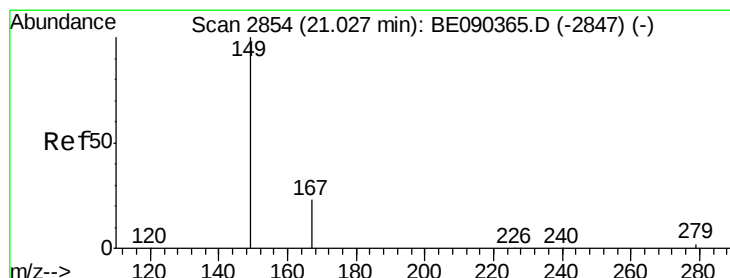
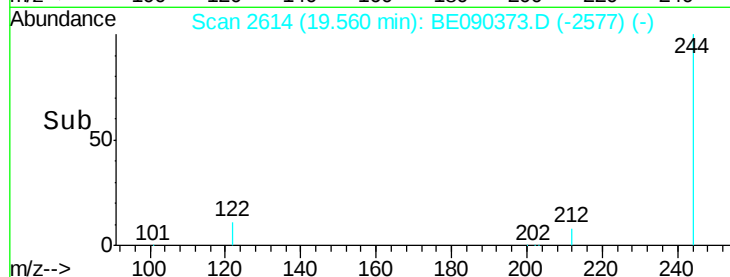
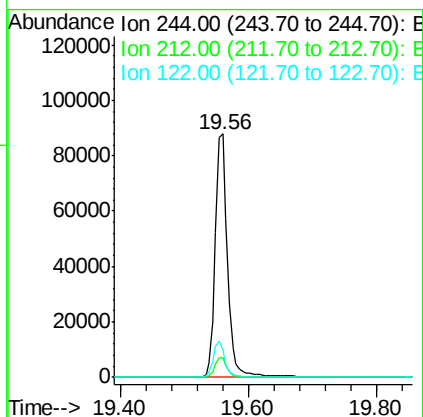
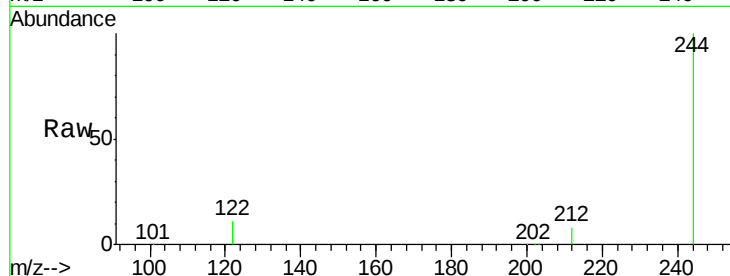




#27
 Terphenyl-d14
 Concen: 5.41 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.00 min
 Lab File: BE090373.D
 Acq: 5 Aug 2015 23:31

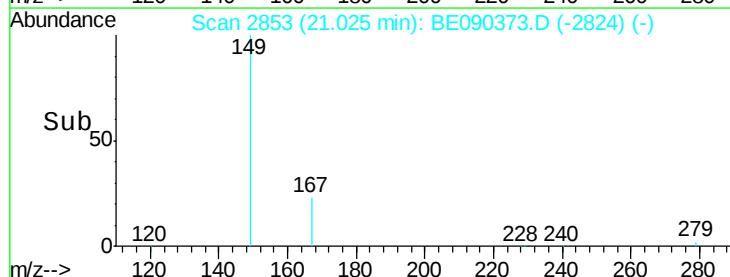
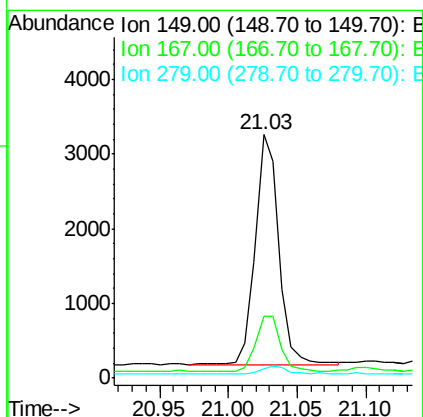
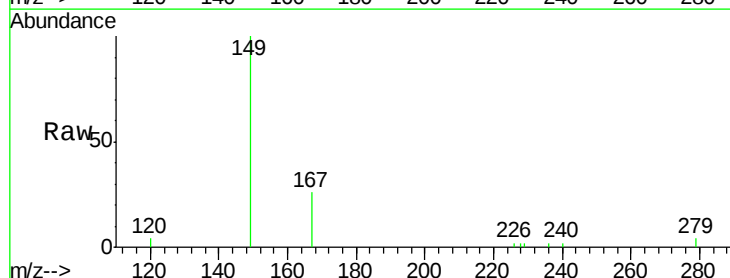
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-D-S

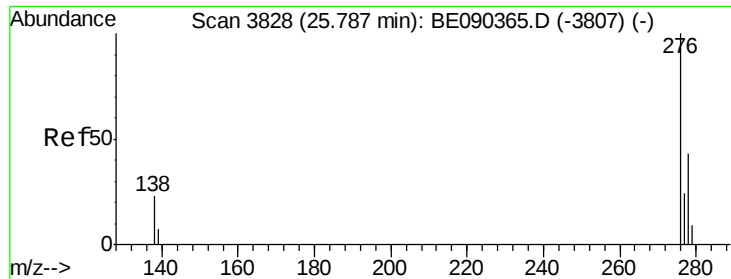
Tgt Ion:244 Resp: 117685
 Ion Ratio Lower Upper
 244 100
 212 7.8 6.6 9.8
 122 11.1 10.2 15.4



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.57 ng
 RT: 21.03 min Scan# 2853
 Delta R.T. -0.00 min
 Lab File: BE090373.D
 Acq: 5 Aug 2015 23:31

Tgt Ion:149 Resp: 3681
 Ion Ratio Lower Upper
 149 100
 167 25.2 19.8 29.8
 279 3.9 2.4 3.6#





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.27 ng

RT: 25.79 min Scan# 3830

Delta R.T. 0.01 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S

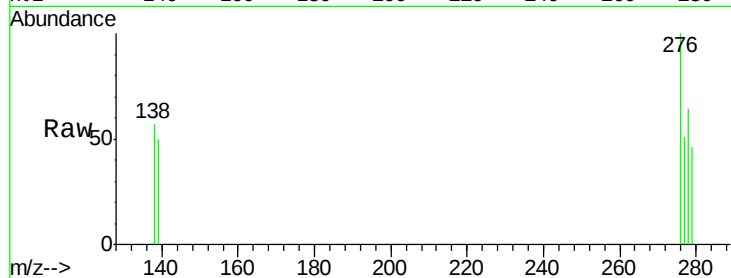
Tgt Ion:276 Resp: 445

Ion Ratio Lower Upper

276 100

138 21.8 18.8 28.2

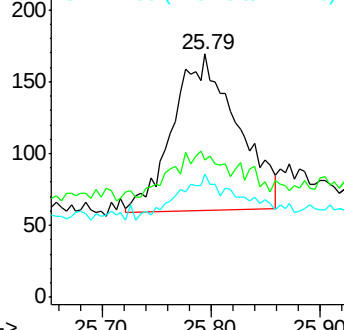
277 20.4 18.2 27.4



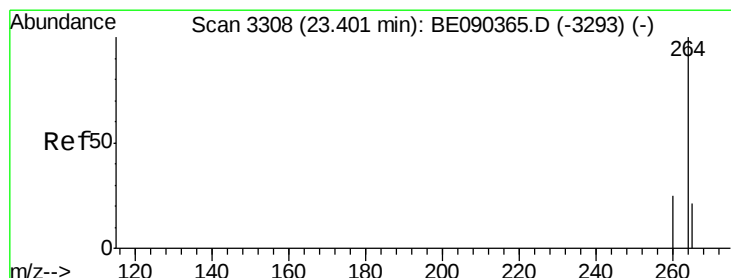
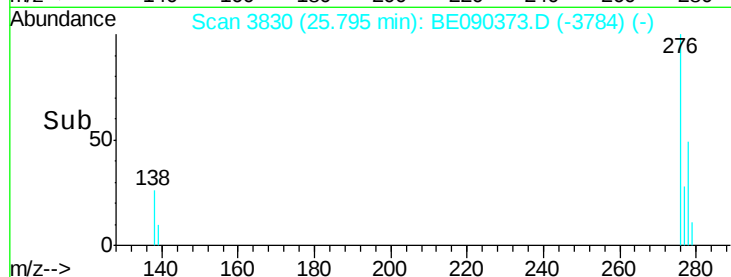
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3308

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

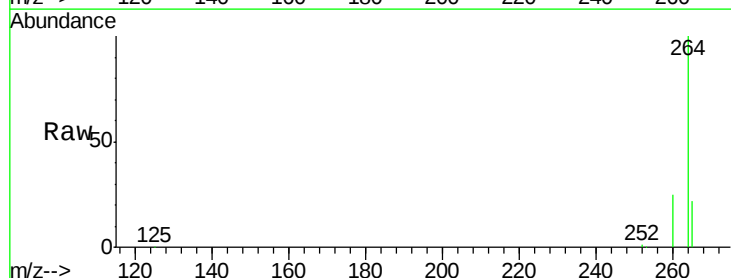
Tgt Ion:264 Resp: 135740

Ion Ratio Lower Upper

264 100

260 24.9 20.1 30.1

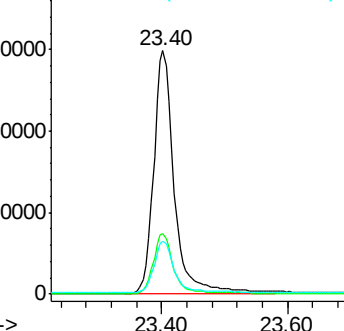
265 21.7 17.2 25.8



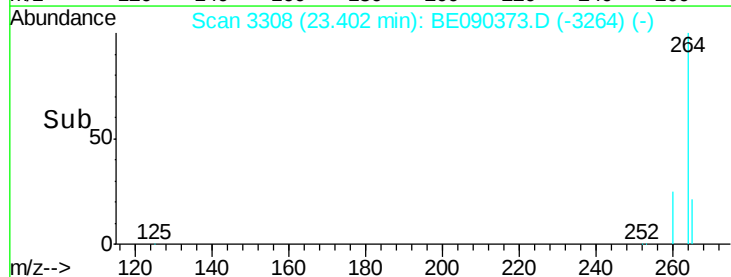
Abundance Ion 264.00 (263.70 to 264.70): E

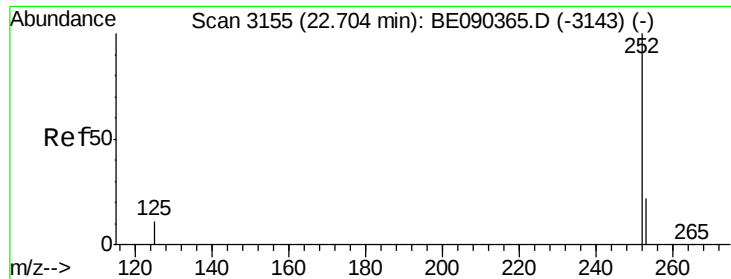
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



Time-->





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.71 min Scan# 3156

Delta R.T. 0.01 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S

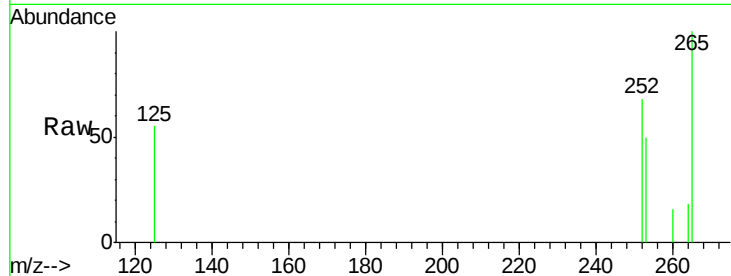
Tgt Ion: 252 Resp: 273

Ion Ratio Lower Upper

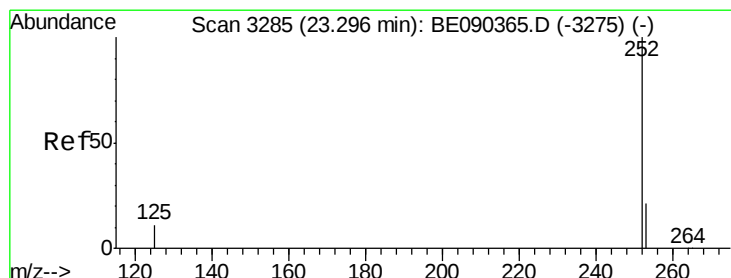
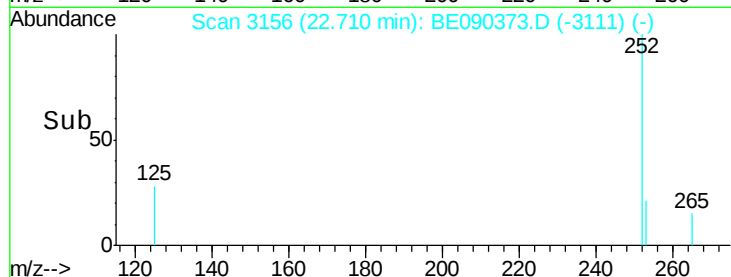
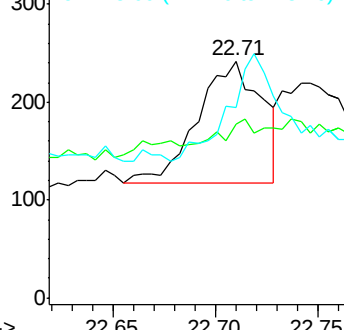
252 100

253 73.1 18.1 27.1#

125 80.6 9.4 14.2#



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



#35

Benzo(a)pyrene

Concen: 0.23 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090373.D

Acq: 5 Aug 2015 23:31

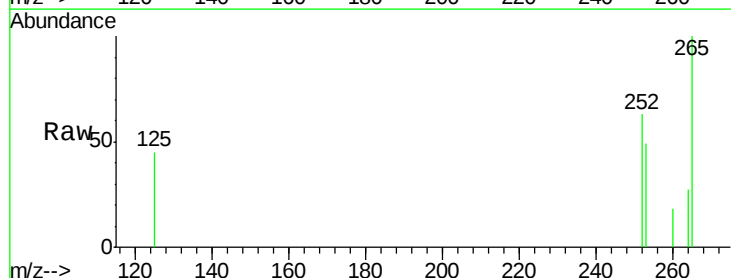
Tgt Ion: 252 Resp: 243

Ion Ratio Lower Upper

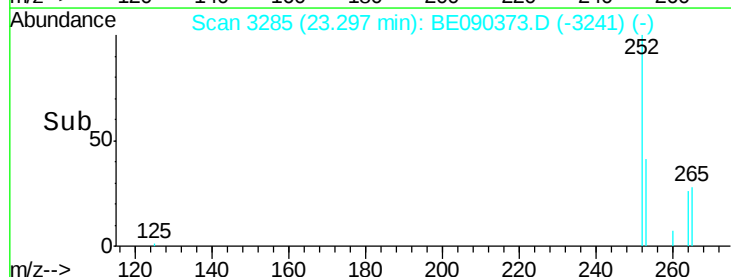
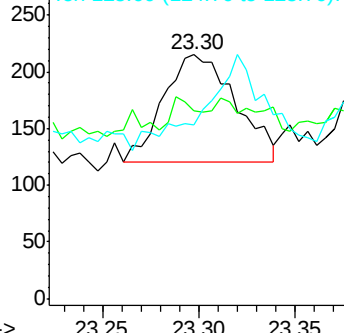
252 100

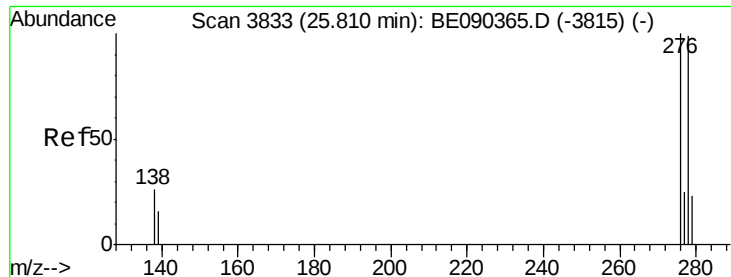
253 77.2 17.6 26.4#

125 71.2 9.8 14.6#



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





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090373.D

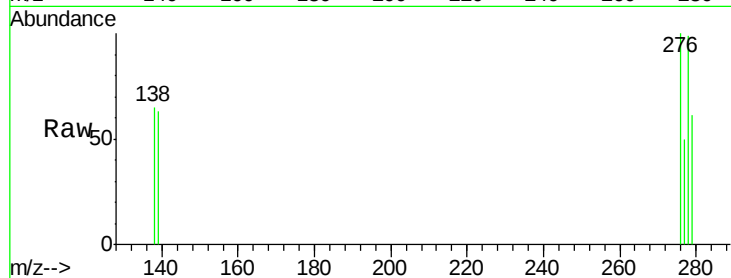
Acq: 5 Aug 2015 23:31

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-S



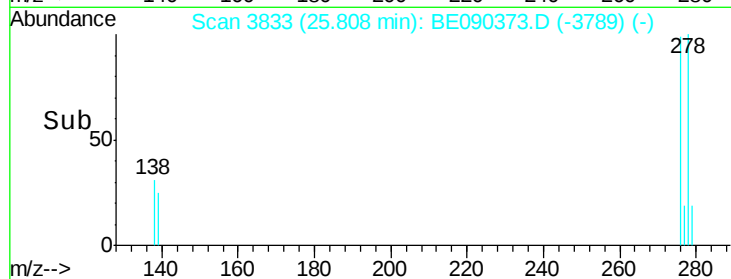
Tgt Ion: 278 Resp: 153

Ion Ratio Lower Upper

278 100

139 63.6 14.2 21.4#

279 61.4 20.1 30.1#



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

