

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE081115\
 Data File : BE090434.D
 Acq On : 11 Aug 2015 18:45
 Operator : UM/IZ
 Sample : G3129-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080715-D506-E-U-M

Quant Time: Aug 12 04:14:37 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 12:28:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	20403	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	93929	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	54851	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	130951	5.00	ng	0.00
25) Chrysene-d12	21.09	240	152399	5.00	ng	0.00
32) Perylene-d12	23.40	264	137068	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.22	112	13863	4.53	ng	0.00
5) Phenol-d6	6.77	99	12381	2.05	ng	0.00
7) Nitrobenzene-d5	8.73	82	23083	3.10	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	16388	9.14	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	60628	4.02	ng	0.00
27) Terphenyl-d14	19.55	244	123228	5.49	ng	-0.01

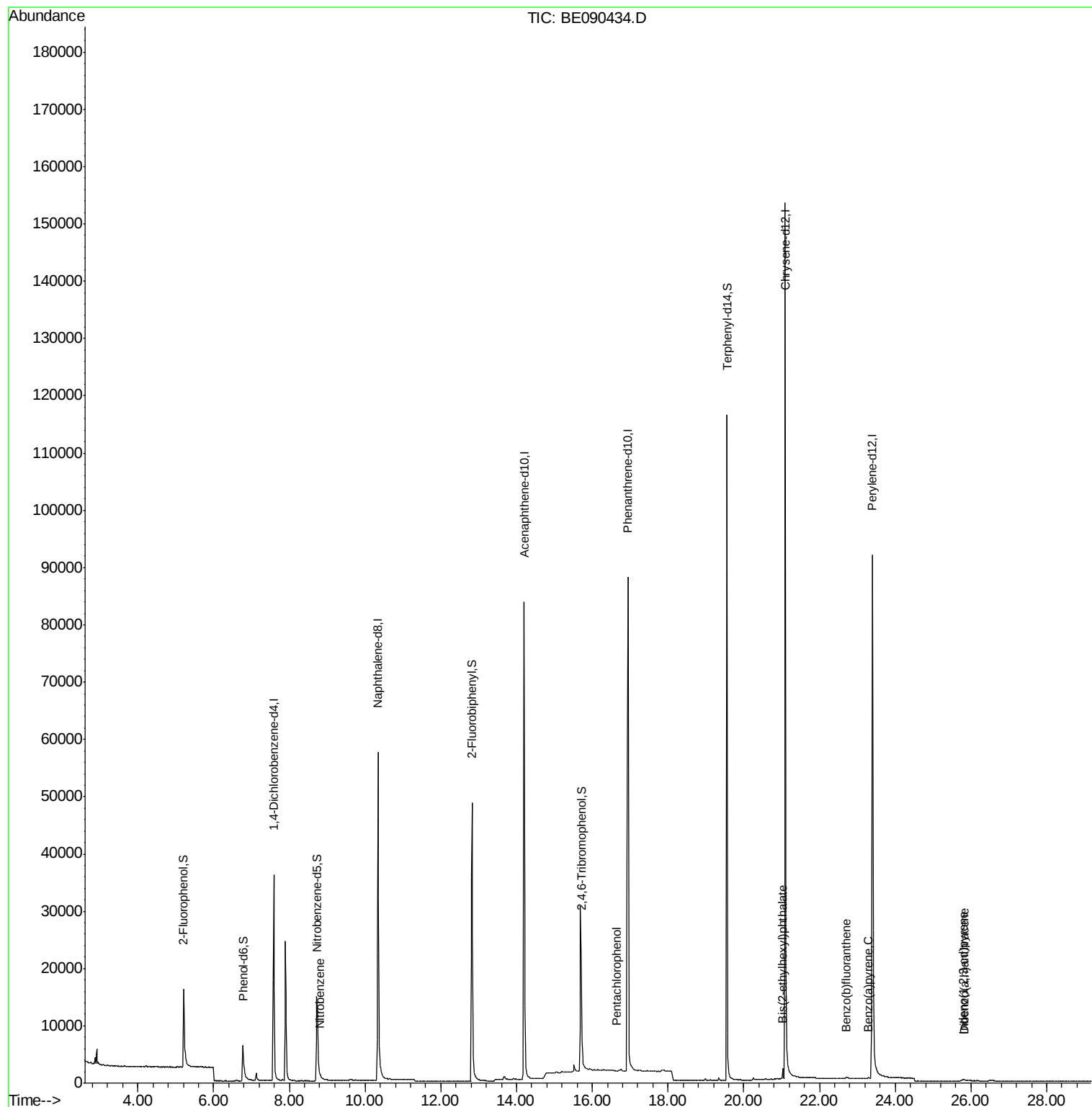
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.27	88	21	Below Cal	#	15
8) Nitrobenzene	8.81	77	7	0.21 ng	#	37
10) Hexachlorobutadiene	10.70	225	3	Below Cal	#	1
21) Pentachlorophenol	16.65	266	3	0.09 ng	#	67
30) Bis(2-ethylhexyl)phthalate	21.03	149	1856	0.34 ng	#	98
31) Indeno(1,2,3-cd)pyrene	25.80	276	554	0.27 ng	#	79
33) Benzo(b)fluoranthene	22.70	252	333	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	364	0.24 ng	#	1
36) Dibenzo(a,h)anthracene	25.82	278	496	0.30 ng	#	24

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

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Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
080715-D506-E-U-M

Quant Time: Aug 12 04:14:37 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 12:28:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.58 min Scan# 845

Delta R.T. -0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M

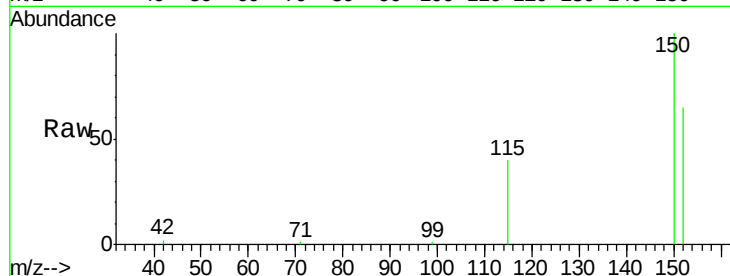
Tgt Ion:152 Resp: 20403

Ion Ratio Lower Upper

152 100

150 154.8 123.0 184.4

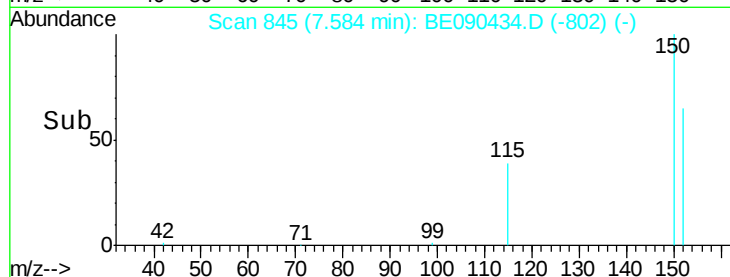
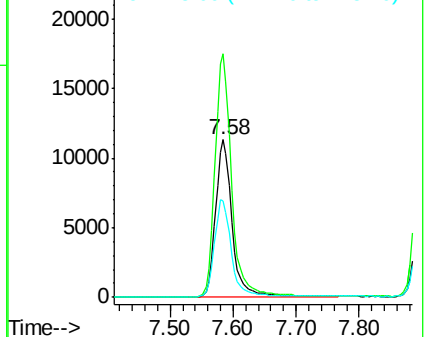
115 61.3 48.9 73.3



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: 3.27 min Scan# 99

Delta R.T. 0.08 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

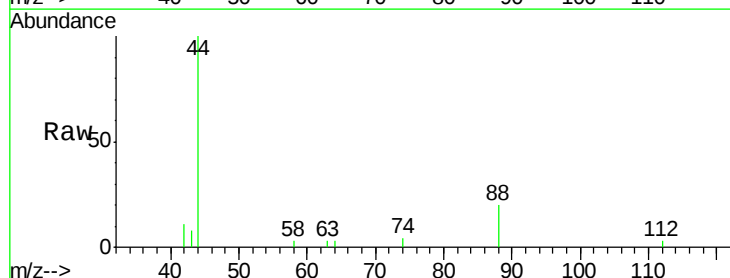
Tgt Ion: 88 Resp: 21

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

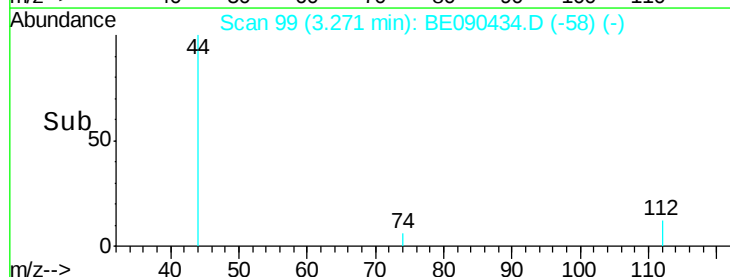
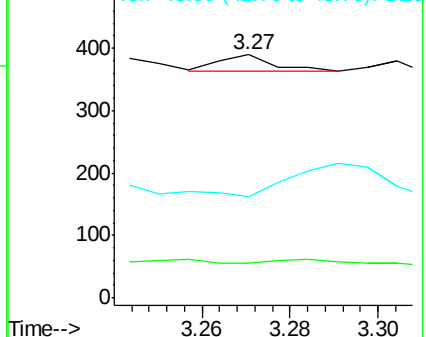
43 0.0 28.4 42.6#

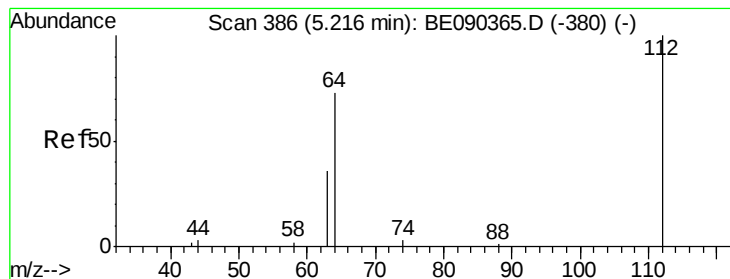


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#4

2-Fluorophenol

Concen: 4.53 ng

RT: 5.22 min Scan# 386

Delta R.T. 0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

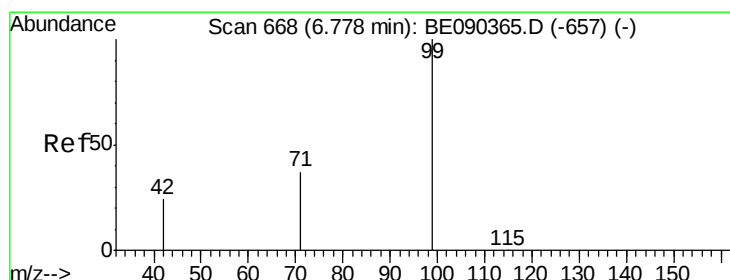
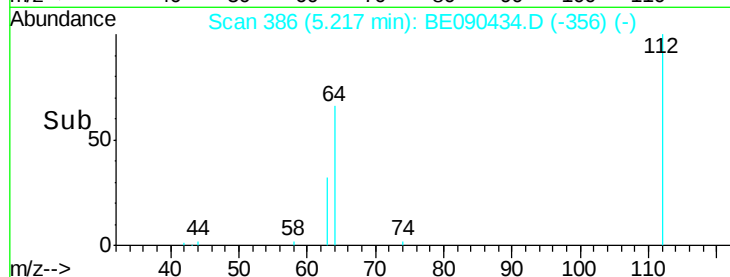
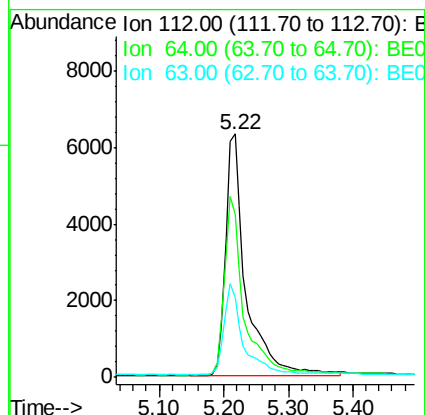
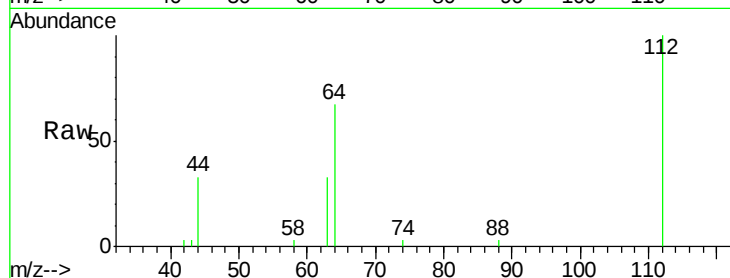
Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M

Tgt Ion:	112	Resp:	13863
Ion	Ratio	Lower	Upper
112	100		
64	71.8	37.1	55.7#
63	36.4	19.5	29.3#



#5

Phenol-d6

Concen: 2.05 ng

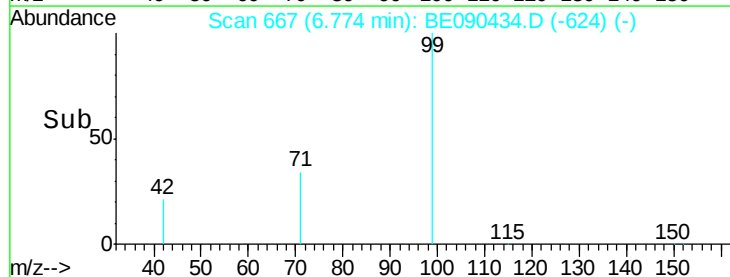
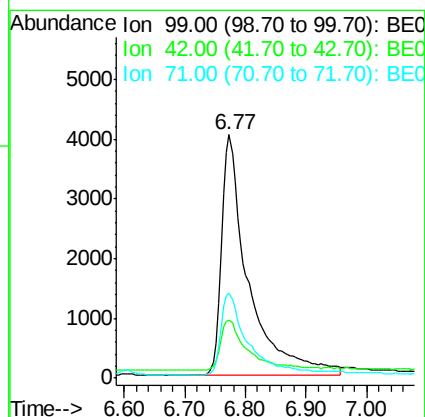
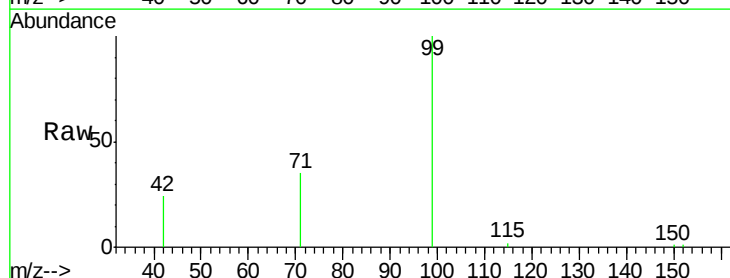
RT: 6.77 min Scan# 667

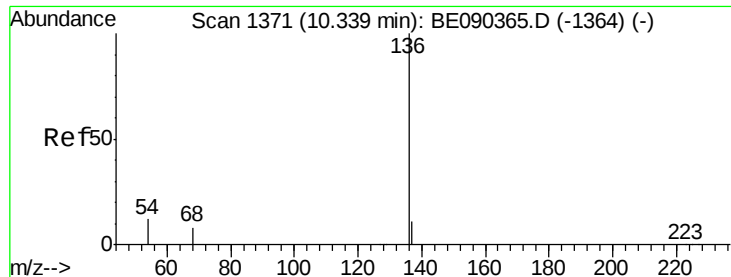
Delta R.T. -0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

Tgt Ion:	99	Resp:	12381
Ion	Ratio	Lower	Upper
99	100		
42	21.5	18.2	27.4
71	34.9	27.4	41.0

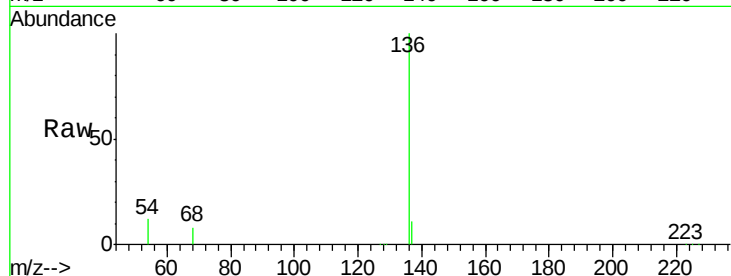




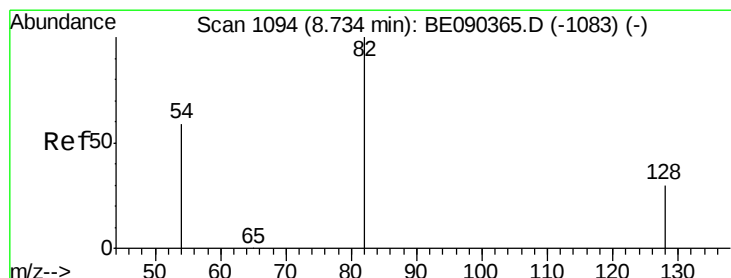
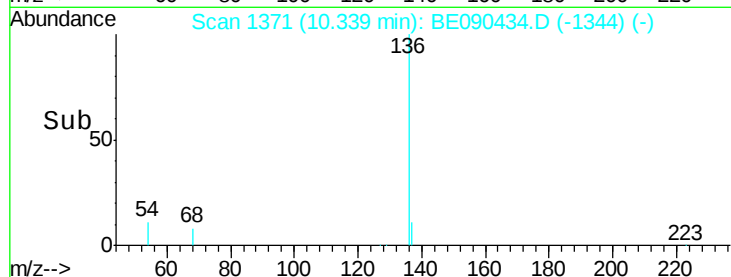
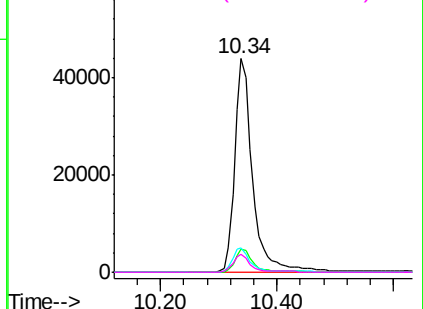
#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090434.D
Acq: 11 Aug 2015 18:45

Instrument :
BNA_E
ClientSampleId :
080715-D506-E-U-M

Tgt Ion:	136	Resp:	93929
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	11.6	9.4	14.0
68	8.2	6.5	9.7

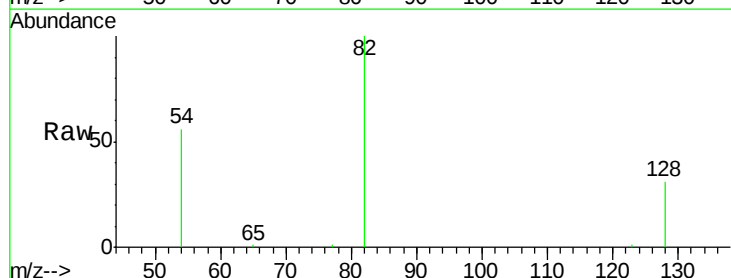


Abundance Ion 136.00 (135.70 to 136.70): BE090434.D (-1364) (-)
Ion 137.00 (136.70 to 137.70): BE090434.D (-1364) (-)
Ion 54.00 (53.70 to 54.70): BE090434.D (-1364) (-)
Ion 68.00 (67.70 to 68.70): BE090434.D (-1364) (-)

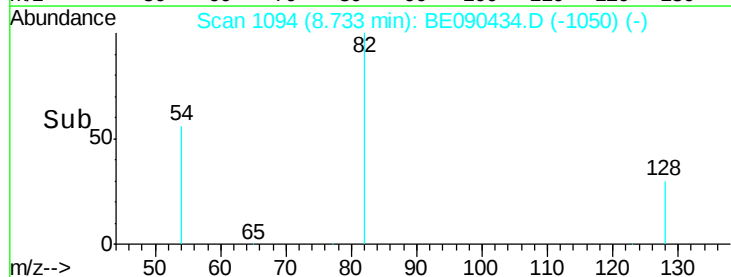
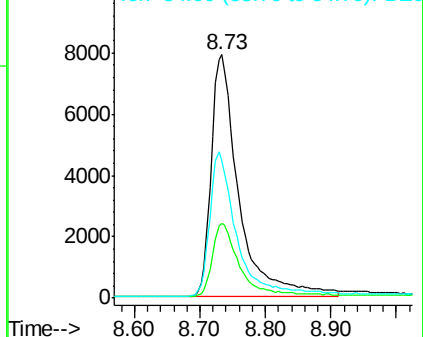


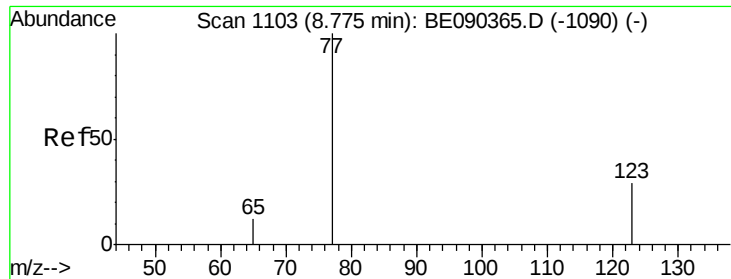
#7
Nitrobenzene-d5
Concen: 3.10 ng
RT: 8.73 min Scan# 1094
Delta R.T. 0.00 min
Lab File: BE090434.D
Acq: 11 Aug 2015 18:45

Tgt Ion:	82	Resp:	23083
Ion	Ratio	Lower	Upper
82	100		
128	30.9	25.0	37.6
54	56.5	48.8	73.2



Abundance Ion 82.00 (81.70 to 82.70): BE090434.D (-1083) (-)
Ion 128.00 (127.70 to 128.70): BE090434.D (-1083) (-)
Ion 54.00 (53.70 to 54.70): BE090434.D (-1083) (-)





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.81 min Scan# 1110

Delta R.T. 0.03 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M

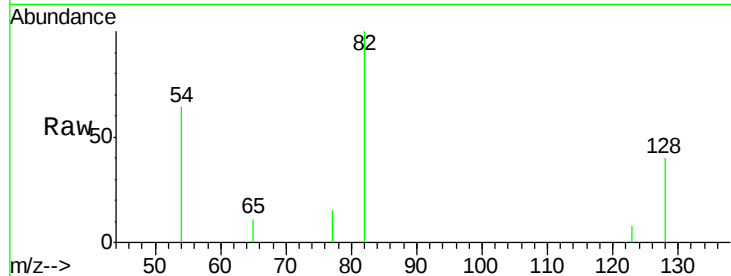
Tgt Ion: 77 Resp: 7

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

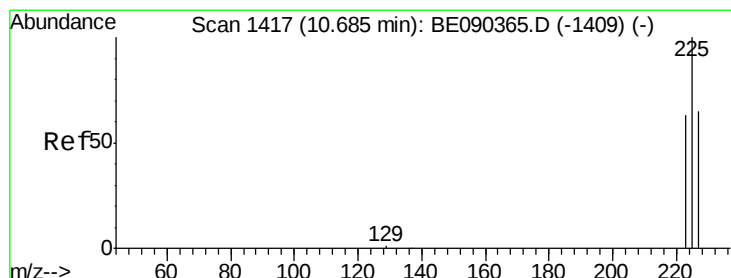
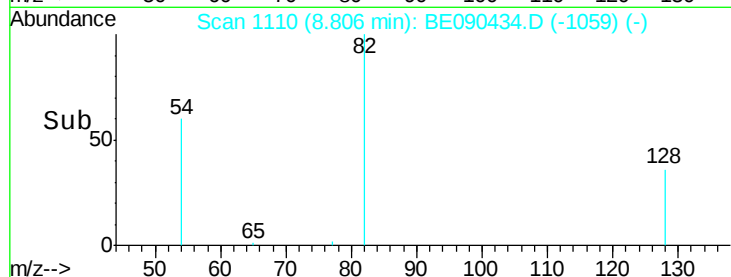
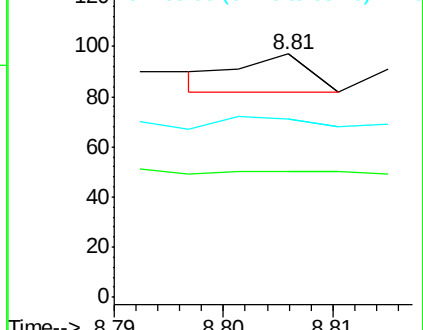
65 42.9 9.3 13.9#



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



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.70 min Scan# 1419

Delta R.T. 0.02 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

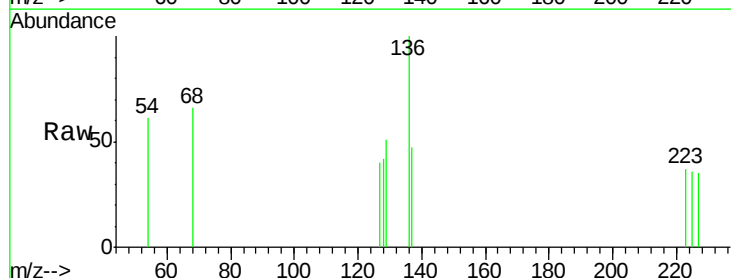
Tgt Ion: 225 Resp: 3

Ion Ratio Lower Upper

225 100

223 200.0 50.6 75.8#

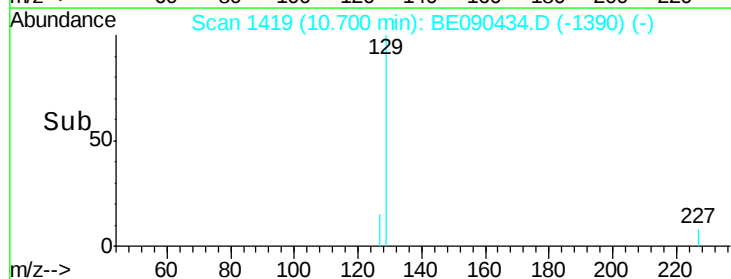
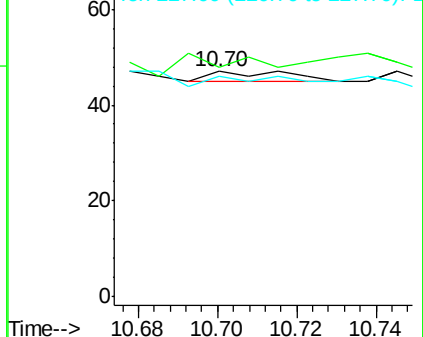
227 0.0 50.7 76.1#

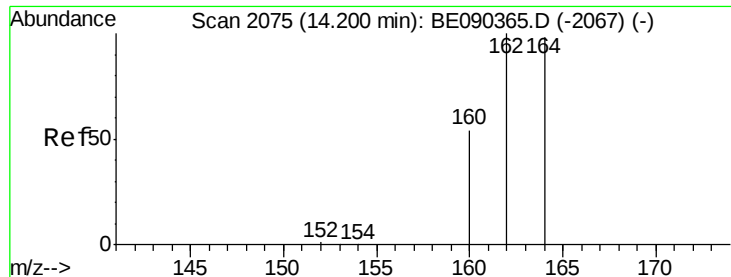


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.20 min Scan# 2075

Delta R.T. -0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M

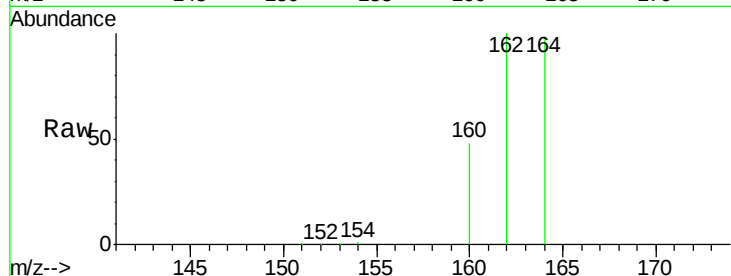
Tgt Ion:164 Resp: 54851

Ion Ratio Lower Upper

164 100

162 102.1 81.8 122.8

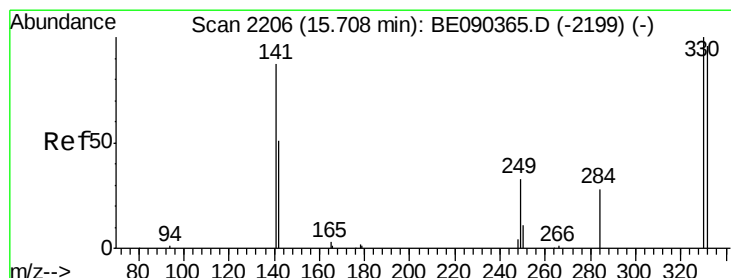
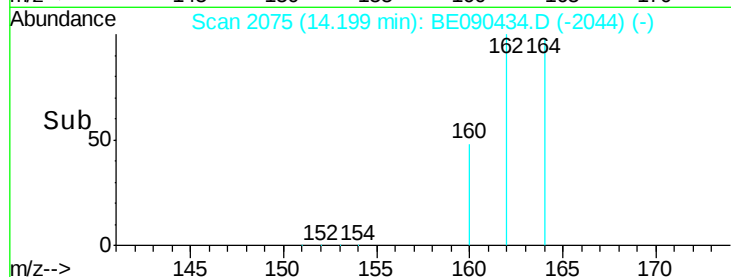
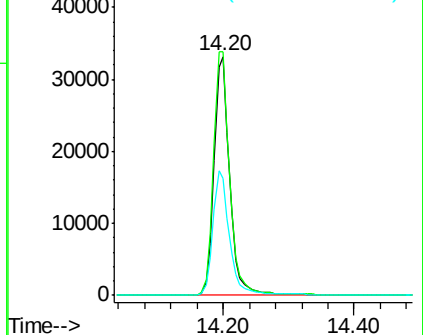
160 49.2 44.2 66.4



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: 9.14 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

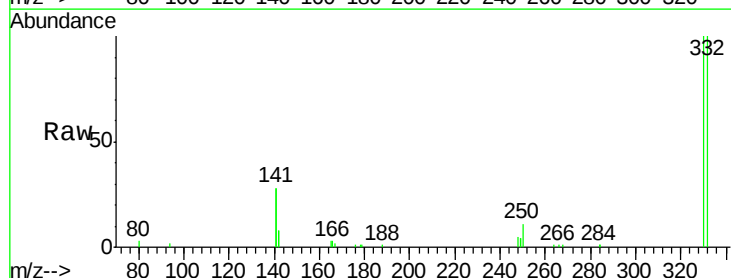
Tgt Ion:330 Resp: 16388

Ion Ratio Lower Upper

330 100

332 95.9 75.8 113.6

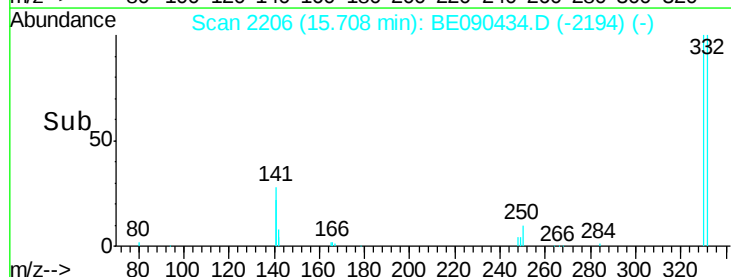
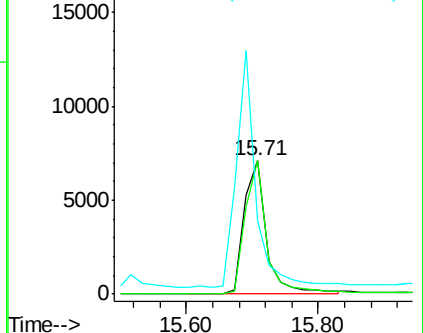
141 154.8 114.4 171.6



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

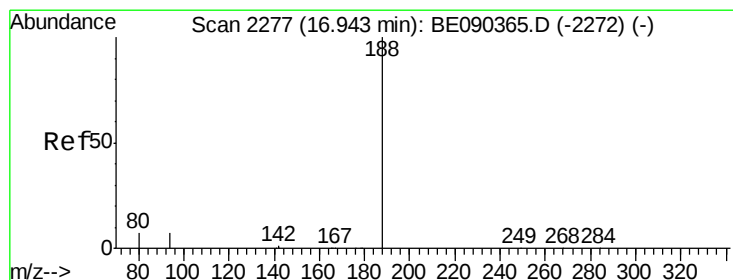
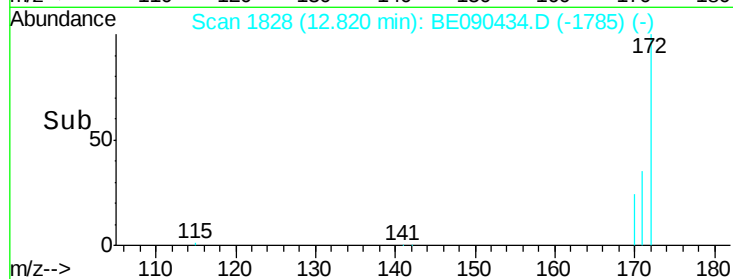
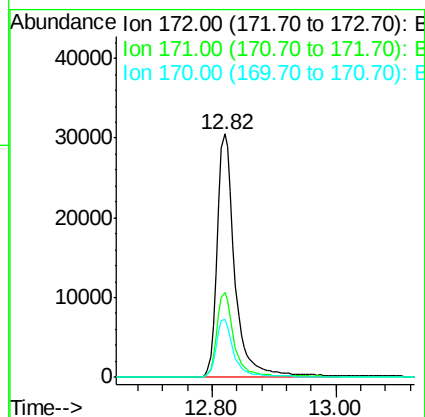
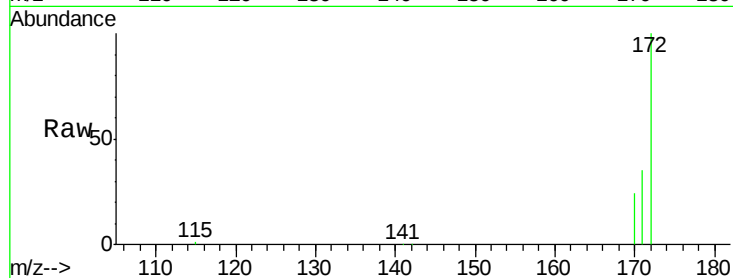




#14
2-Fluorobiphenyl
Concen: 4.02 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090434.D
Acq: 11 Aug 2015 18:45

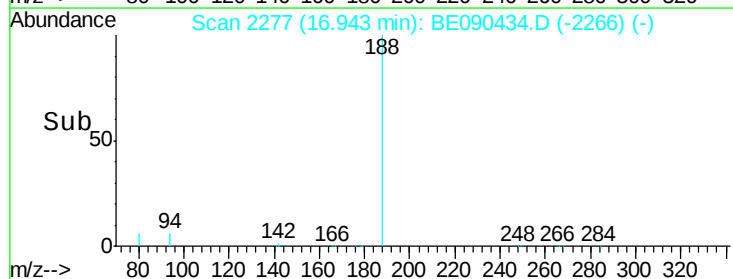
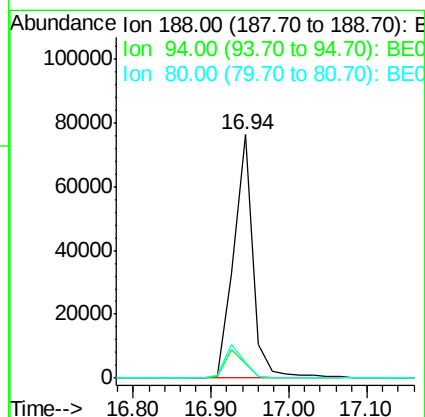
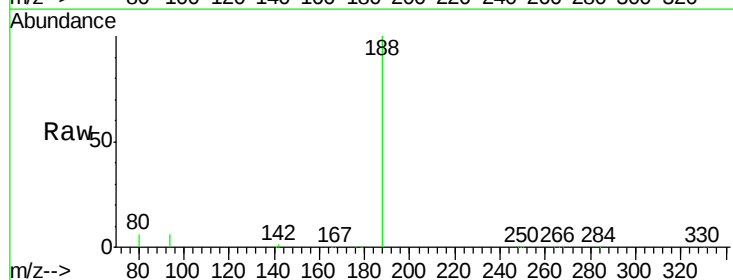
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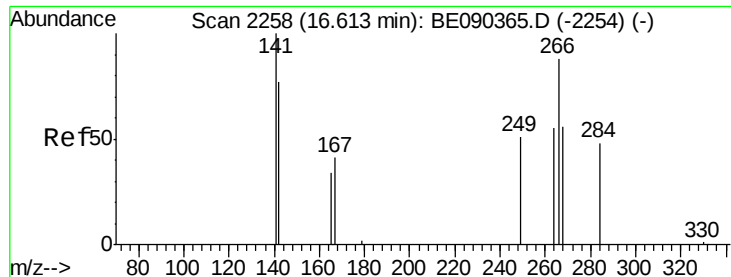
Tgt Ion:172 Resp: 60628
Ion Ratio Lower Upper
172 100
171 34.8 28.5 42.7
170 23.8 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090434.D
Acq: 11 Aug 2015 18:45

Tgt Ion:188 Resp: 130951
Ion Ratio Lower Upper
188 100
94 6.1 5.7 8.5
80 6.4 5.8 8.8

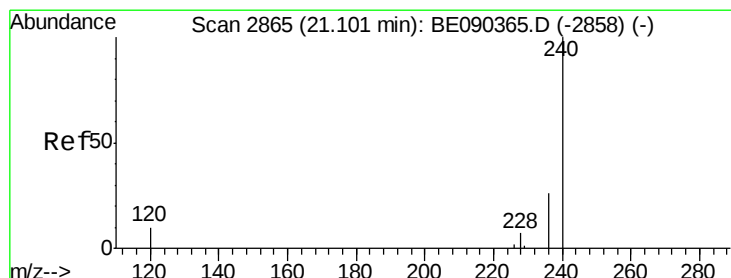
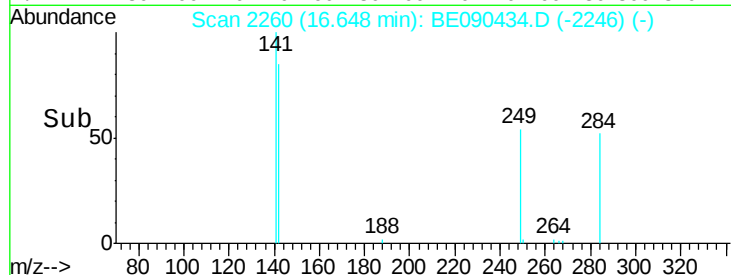
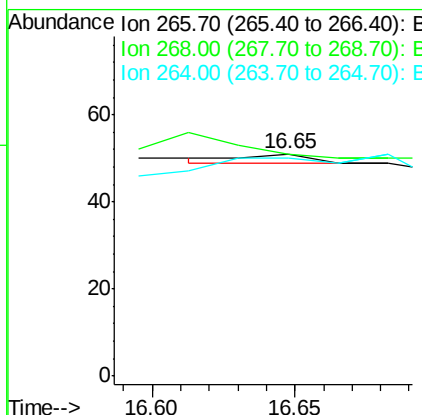
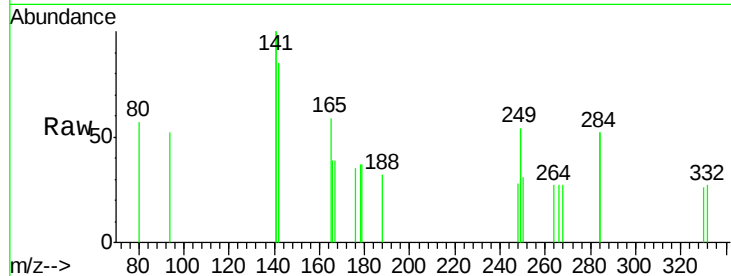




#21
 Pentachlorophenol
 Concen: 0.09 ng
 RT: 16.65 min Scan# 2260
 Delta R.T. 0.04 min
 Lab File: BE090434.D
 Acq: 11 Aug 2015 18:45

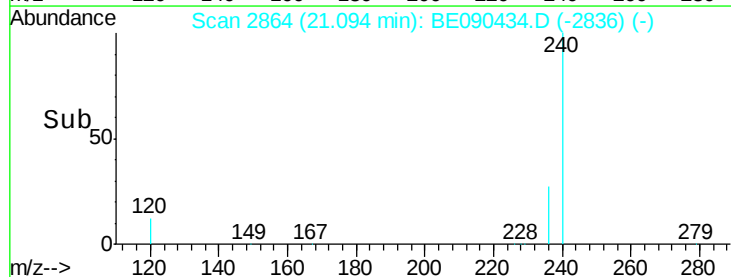
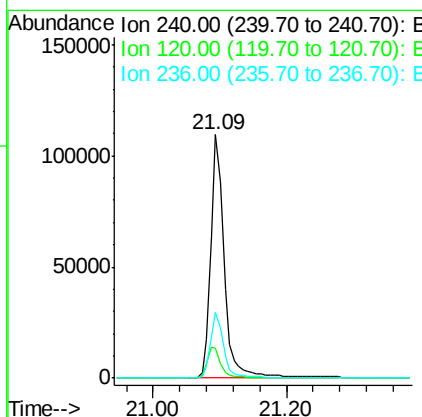
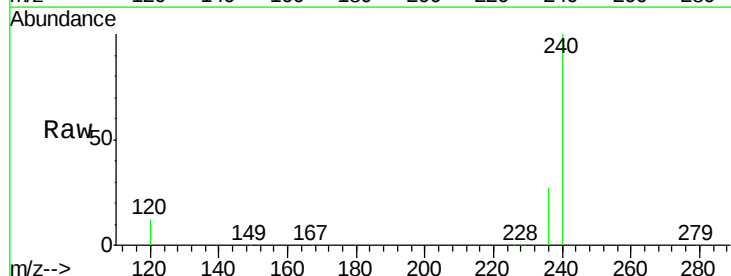
Instrument :
 BNA_E
 ClientSampleId :
 080715-D506-E-U-M

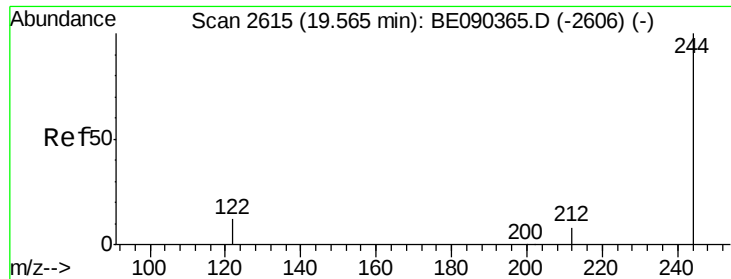
Tgt Ion: 266 Resp: 3
 Ion Ratio Lower Upper
 266 100
 268 100.0 58.5 87.7#
 264 98.0 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2864
 Delta R.T. -0.01 min
 Lab File: BE090434.D
 Acq: 11 Aug 2015 18:45

Tgt Ion: 240 Resp: 152399
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.3 12.5
 236 27.1 21.0 31.4





#27

Terphenyl-d14

Concen: 5.49 ng

RT: 19.55 min Scan# 2613

Delta R.T. -0.01 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M

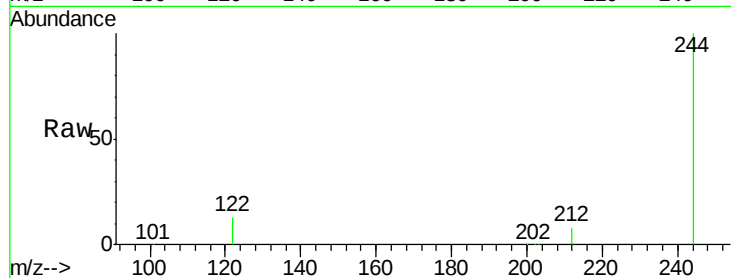
Tgt Ion:244 Resp: 123228

Ion Ratio Lower Upper

244 100

212 8.1 6.6 9.8

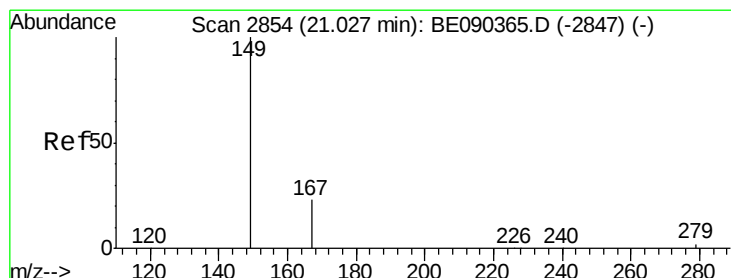
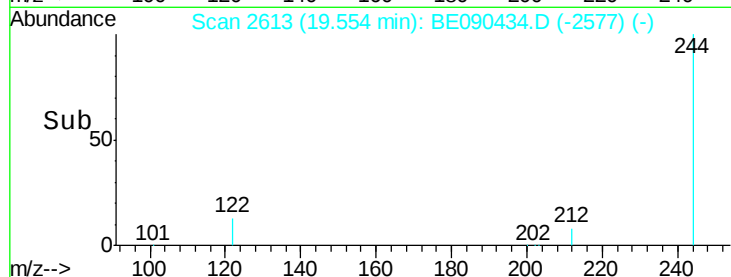
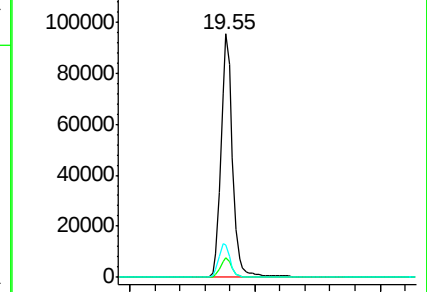
122 13.4 10.2 15.4



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



#30

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.03 min Scan# 2854

Delta R.T. 0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

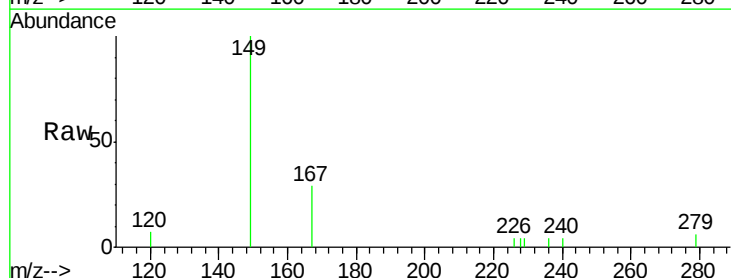
Tgt Ion:149 Resp: 1856

Ion Ratio Lower Upper

149 100

167 23.6 19.8 29.8

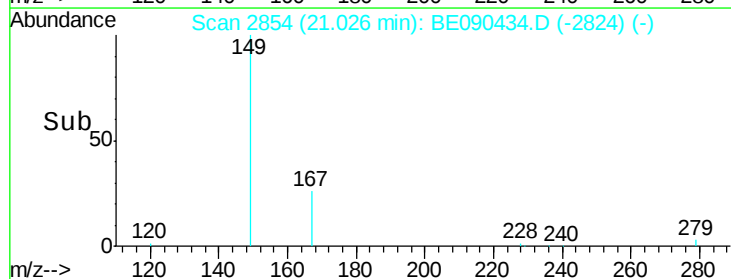
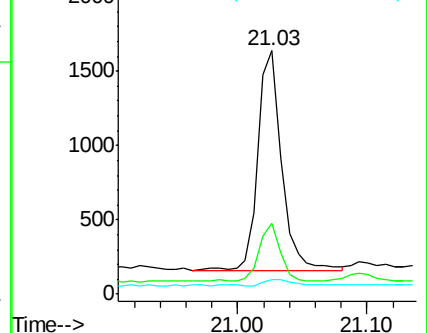
279 3.3 2.4 3.6

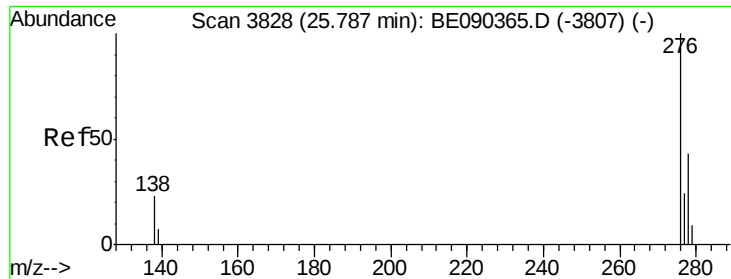


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.27 ng

RT: 25.80 min Scan# 3830

Delta R.T. 0.01 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M

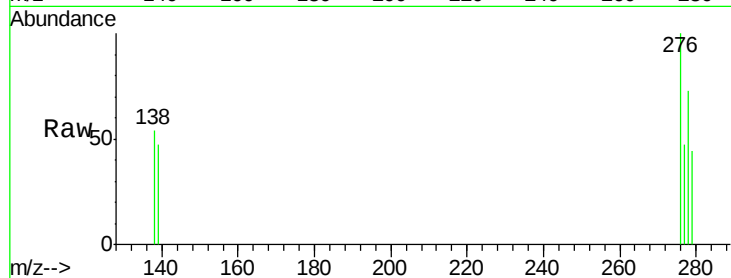
Tgt Ion:276 Resp: 554

Ion Ratio Lower Upper

276 100

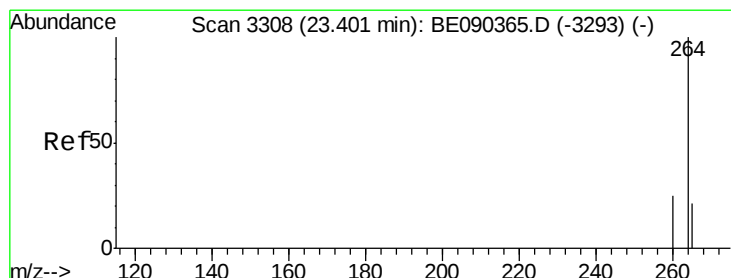
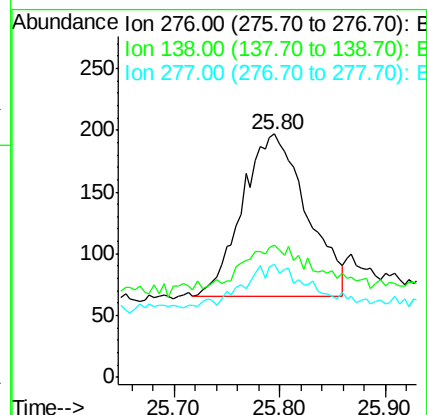
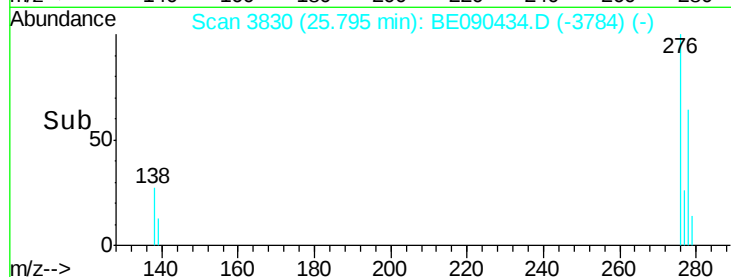
138 30.0 18.8 28.2#

277 8.5 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

25.80



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3307

Delta R.T. -0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

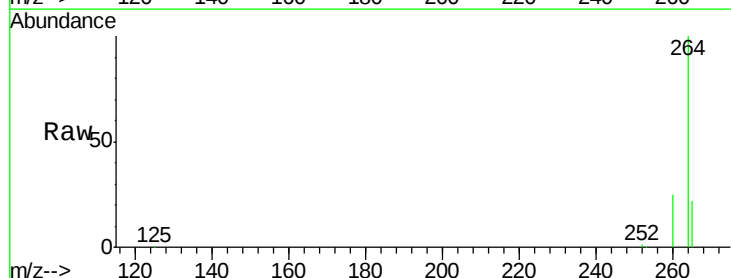
Tgt Ion:264 Resp: 137068

Ion Ratio Lower Upper

264 100

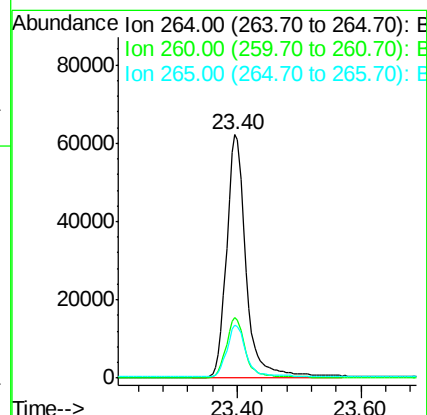
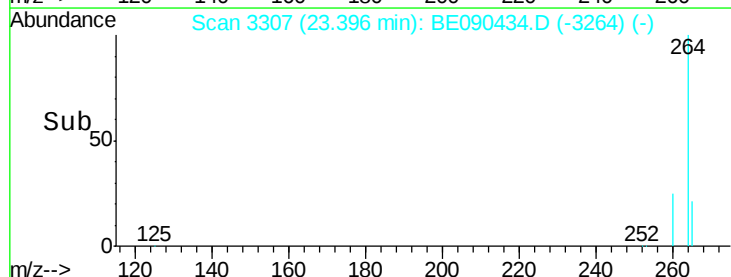
260 25.1 20.1 30.1

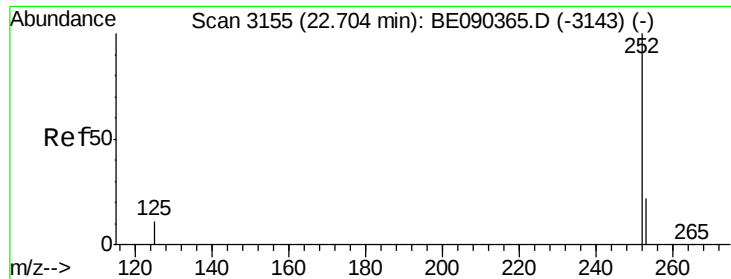
265 22.0 17.2 25.8



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

23.40





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3155

Delta R.T. 0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M

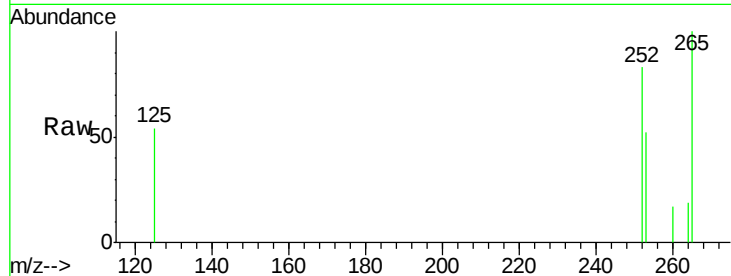
Tgt Ion:252 Resp: 333

Ion Ratio Lower Upper

252 100

253 62.2 18.1 27.1#

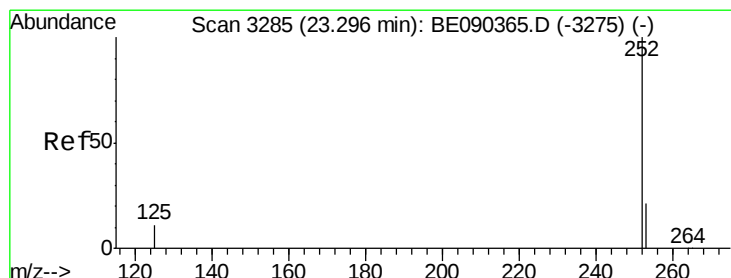
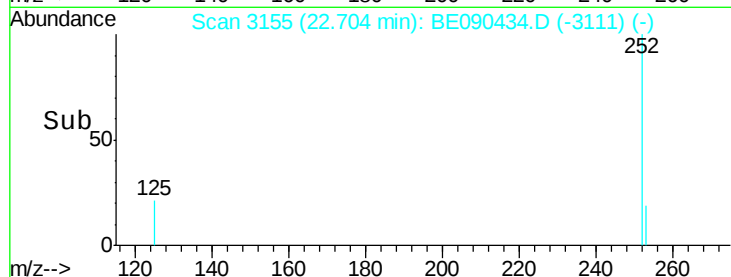
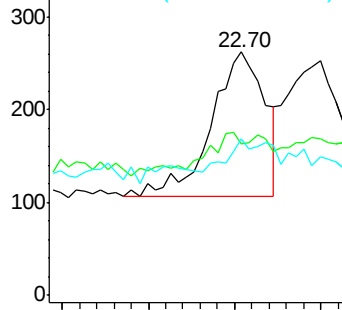
125 64.5 9.4 14.2#



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: 0.24 ng

RT: 23.30 min Scan# 3285

Delta R.T. 0.00 min

Lab File: BE090434.D

Acq: 11 Aug 2015 18:45

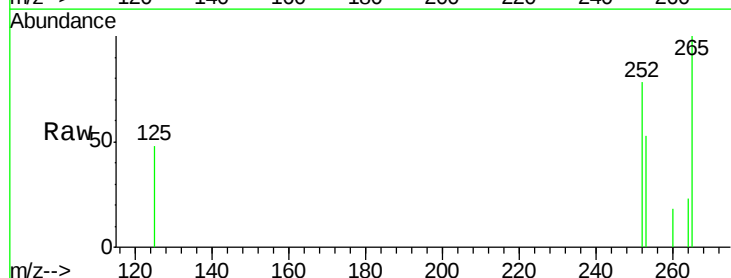
Tgt Ion:252 Resp: 364

Ion Ratio Lower Upper

252 100

253 67.9 17.6 26.4#

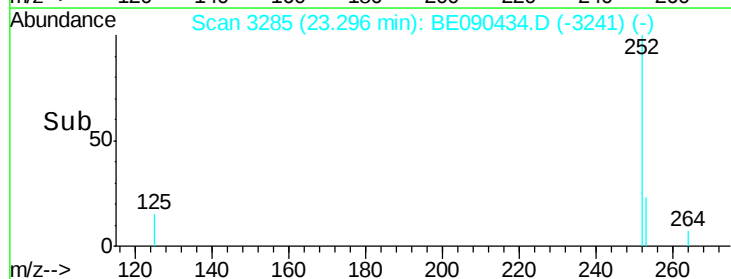
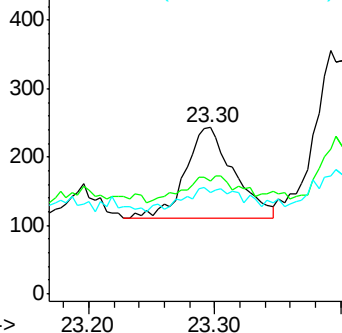
125 60.9 9.8 14.6#

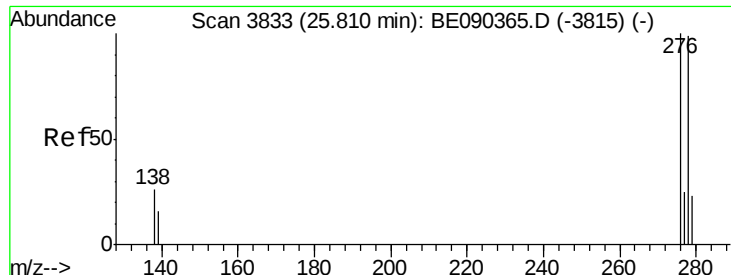


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.30 ng

RT: 25.82 min Scan# 3835

Delta R.T. 0.01 min

Lab File: BE090434.D

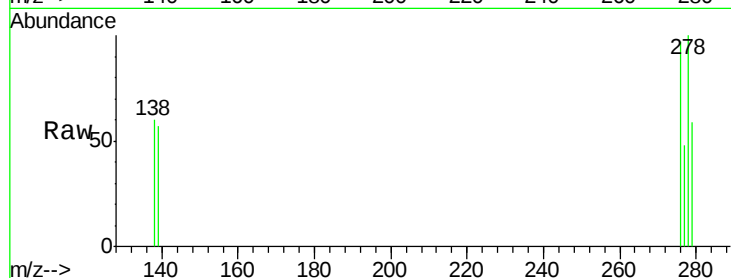
Acq: 11 Aug 2015 18:45

Instrument :

BNA_E

ClientSampleId :

080715-D506-E-U-M



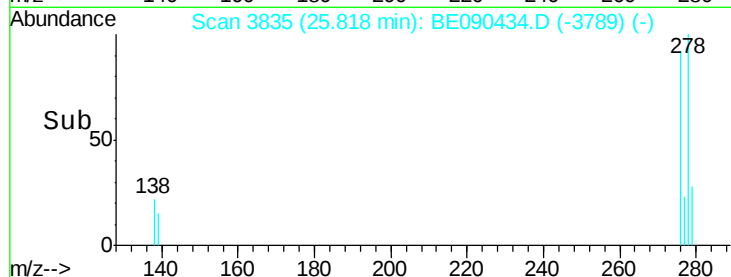
Tgt Ion: 278 Resp: 496

Ion Ratio Lower Upper

278 100

139 57.3 14.2 21.4#

279 58.5 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

