

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090383.D
 Acq On : 6 Aug 2015 11:10
 Operator : TP/UM
 Sample : G3180-11
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-U-B

Quant Time: Aug 06 13:11:00 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	22695	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	101327	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	56930	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	134042	5.00	ng	0.00
25) Chrysene-d12	21.10	240	166601	5.00	ng	0.00
32) Perylene-d12	23.40	264	154332	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	7753	2.28	ng	0.00
5) Phenol-d6	6.77	99	6966	1.16	ng	0.00
7) Nitrobenzene-d5	8.73	82	23614	2.95	ng	0.00
13) 2,4,6-Tribromophenol	15.69	330	7830	5.35	ng	-0.02
14) 2-Fluorobiphenyl	12.82	172	62879	4.02	ng	0.00
27) Terphenyl-d14	19.56	244	130517	5.32	ng	0.00

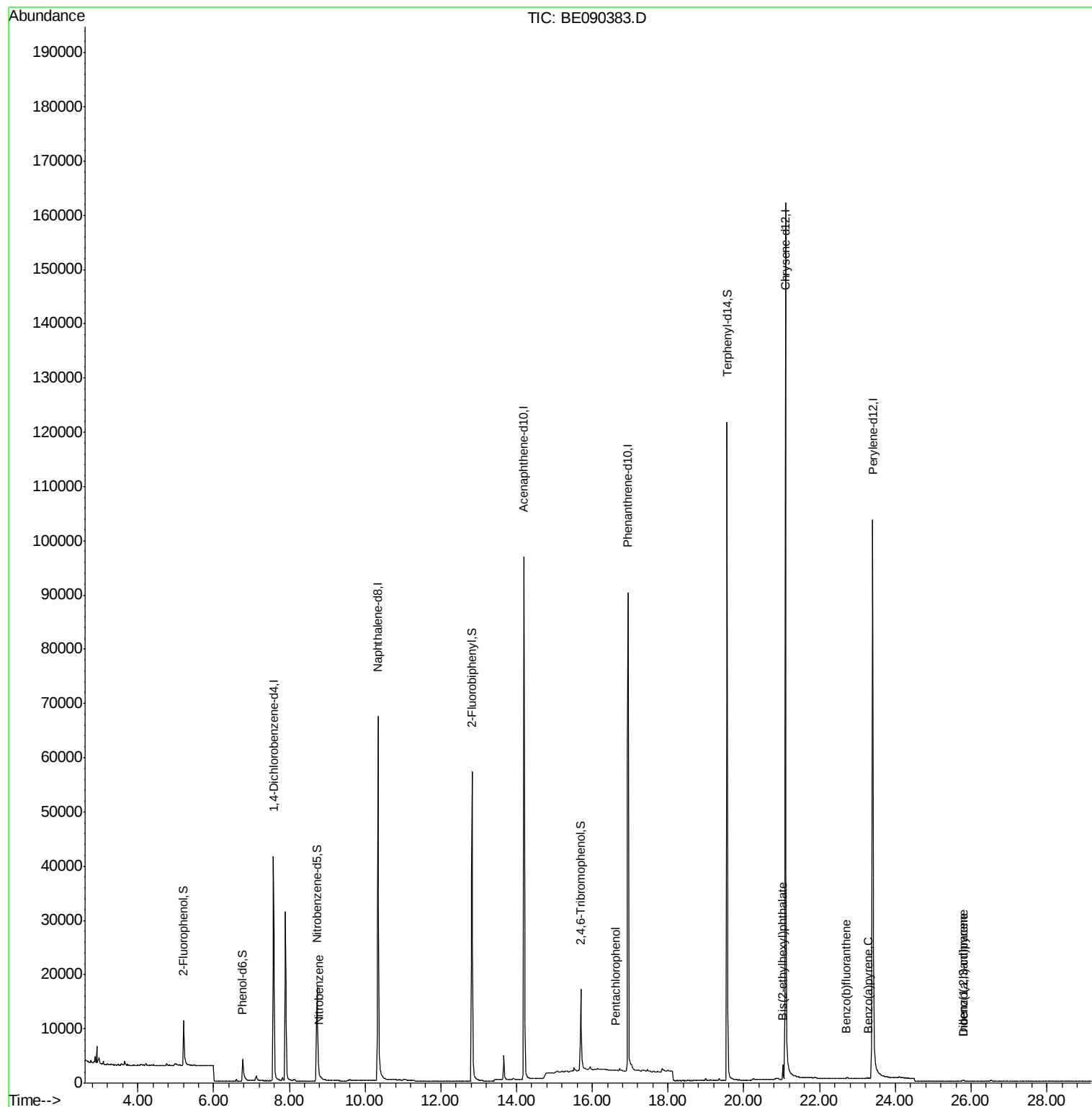
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.32	88	20	Below Cal	#	15
8) Nitrobenzene	8.78	77	6	0.21 ng	#	1
10) Hexachlorobutadiene	10.68	225	2	Below Cal	#	1
21) Pentachlorophenol	16.61	266	20	0.11 ng	#	60
30) Bis(2-ethylhexyl)phthalate	21.03	149	2395	0.38 ng	#	97
31) Indeno(1,2,3-cd)pyrene	25.78	276	72	0.25 ng	#	92
33) Benzo(b)fluoranthene	22.70	252	236	0.20 ng	#	1
35) Benzo(a)pyrene	23.30	252	156	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	25	0.28 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: 7.58 min Scan# 845

Delta R.T. -0.01 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

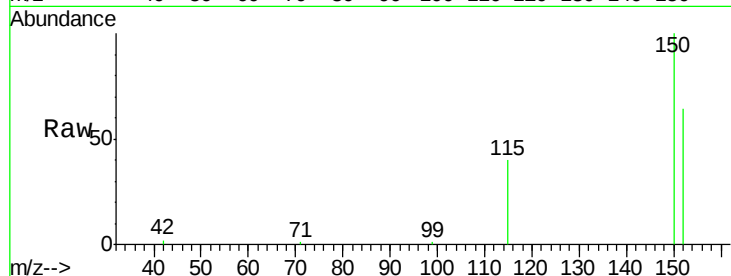
Tgt Ion:152 Resp: 22695

Ion Ratio Lower Upper

152 100

150 156.8 123.0 184.4

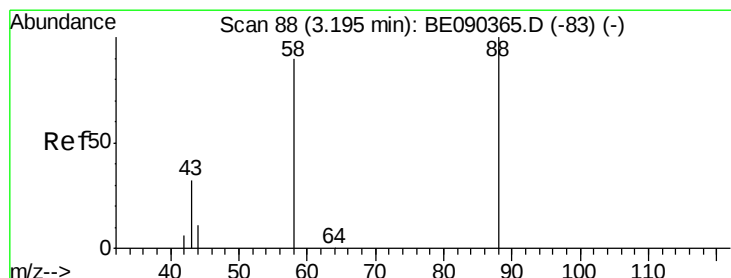
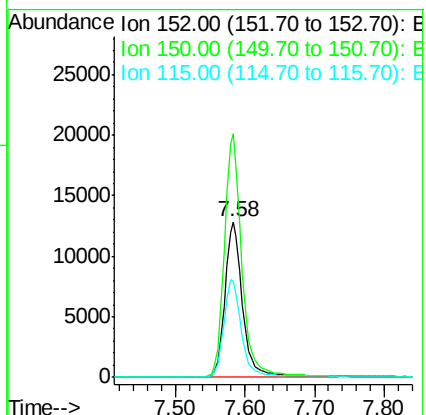
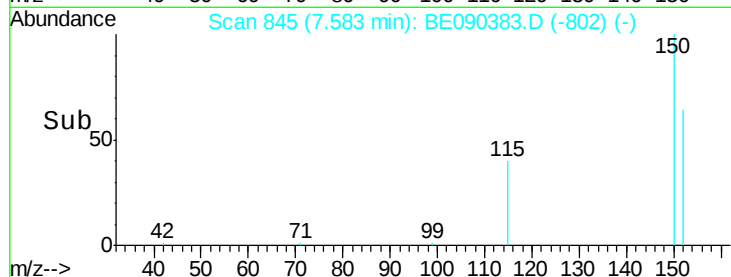
115 62.4 48.9 73.3



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: 3.32 min Scan# 107

Delta R.T. 0.13 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

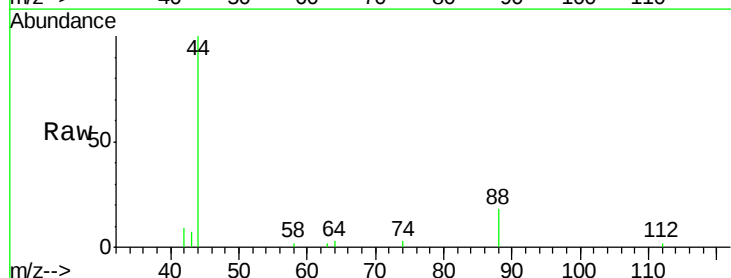
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

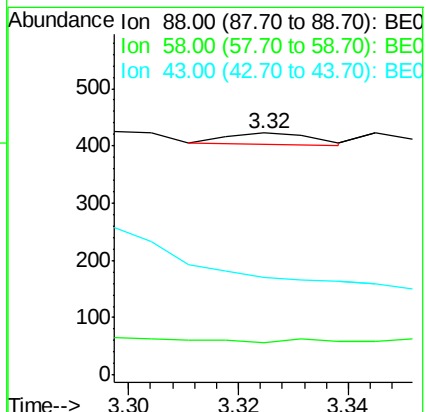
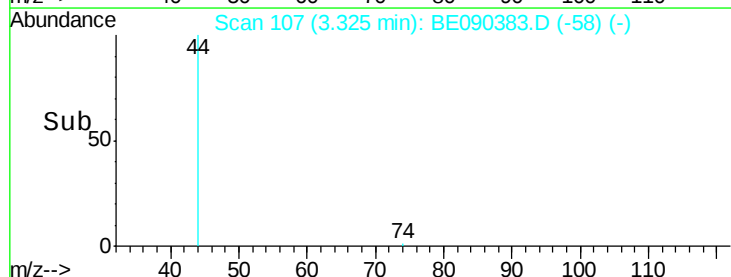
43 0.0 28.4 42.6#



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: 2.28 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.01 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

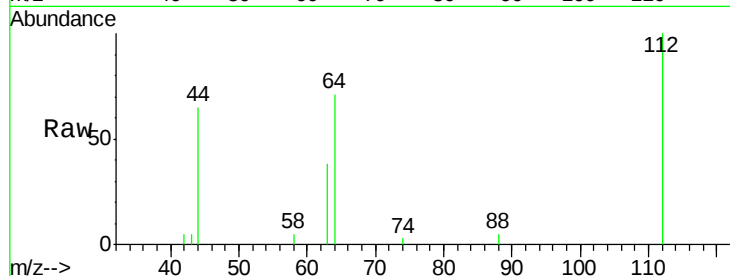
Tgt Ion: 112 Resp: 7753

Ion Ratio Lower Upper

112 100

64 70.5 37.1 55.7#

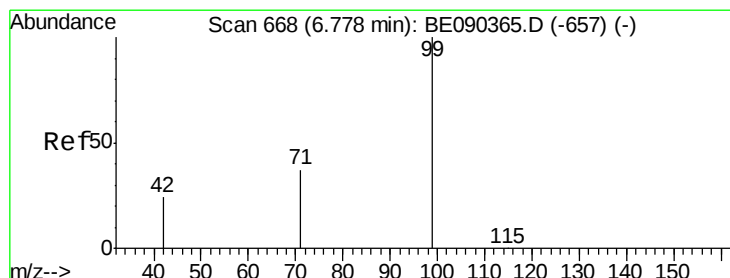
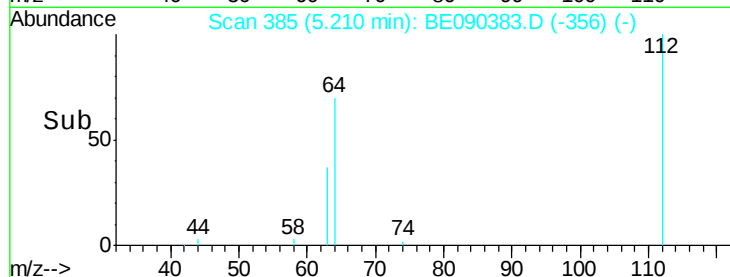
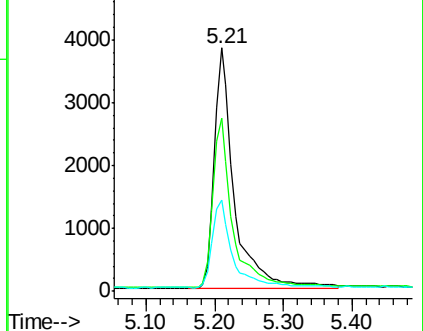
63 37.1 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090365.D (-380) (-)

Ion 64.00 (63.70 to 64.70): BE090365.D (-380) (-)

Ion 63.00 (62.70 to 63.70): BE090365.D (-380) (-)



#5

Phenol-d6

Concen: 1.16 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

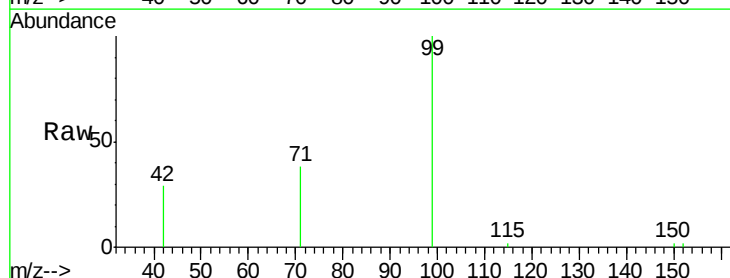
Tgt Ion: 99 Resp: 6966

Ion Ratio Lower Upper

99 100

42 23.2 18.2 27.4

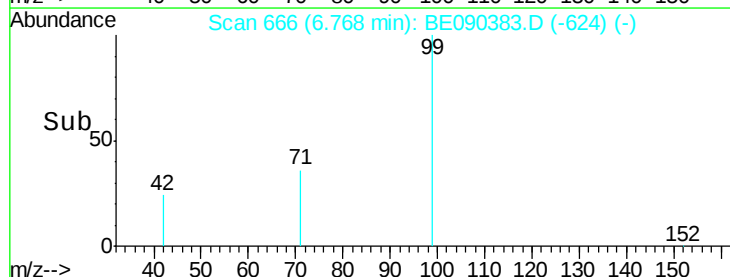
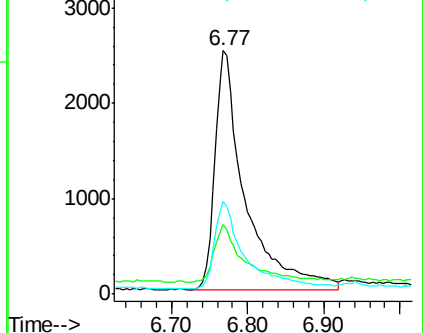
71 37.0 27.4 41.0

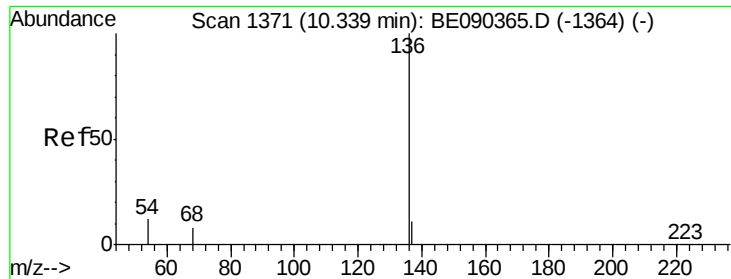


Abundance Ion 99.00 (98.70 to 99.70): BE090365.D (-657) (-)

Ion 42.00 (41.70 to 42.70): BE090365.D (-657) (-)

Ion 71.00 (70.70 to 71.70): BE090365.D (-657) (-)





#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. 0.00 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

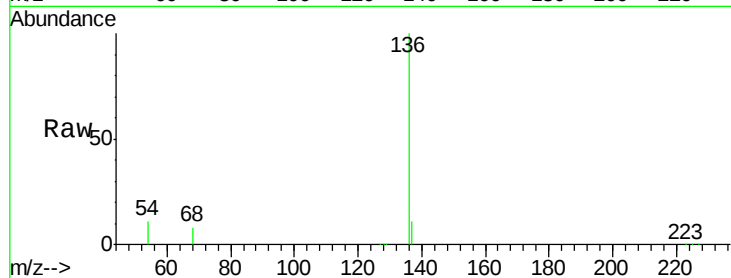
Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

Tgt Ion:	136	Resp:	101327
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	11.0	9.4	14.0
68	7.7	6.5	9.7

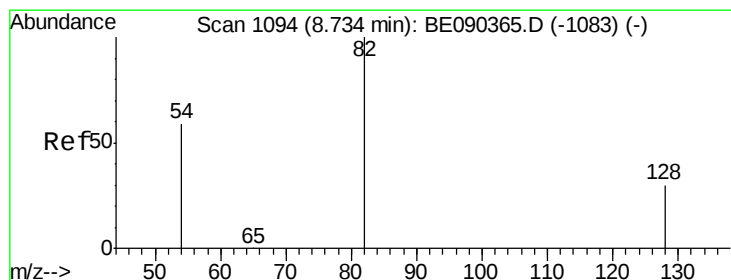
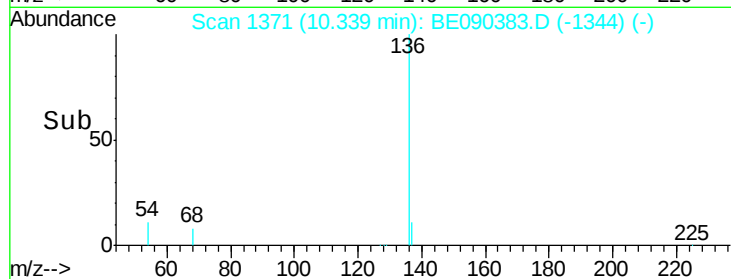
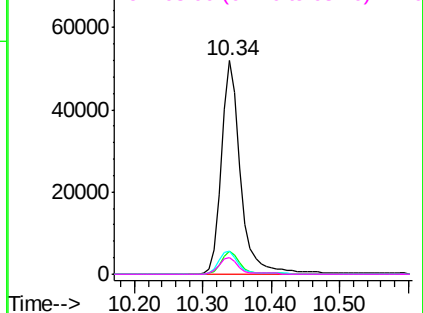


Abundance Ion 136.00 (135.70 to 136.70): BE090383.D (-1364) (-)

Ion 137.00 (136.70 to 137.70): BE090383.D (-1364) (-)

Ion 54.00 (53.70 to 54.70): BE090383.D (-1364) (-)

Ion 68.00 (67.70 to 68.70): BE090383.D (-1364) (-)



#7

Nitrobenzene-d5

Concen: 2.95 ng

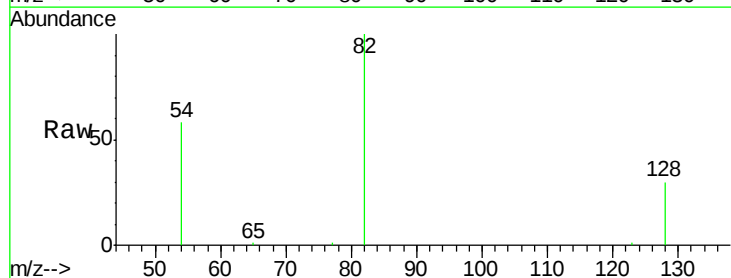
RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

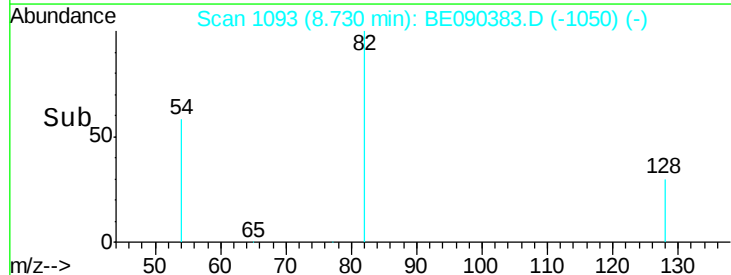
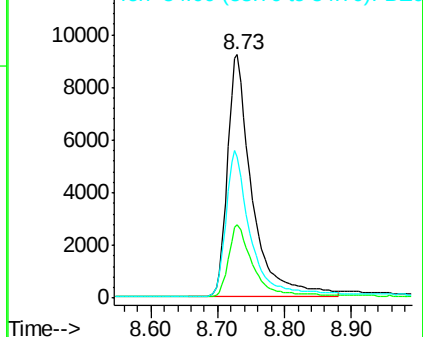
Tgt Ion:	82	Resp:	23614
Ion	Ratio	Lower	Upper
82	100		
128	30.3	25.0	37.6
54	58.0	48.8	73.2

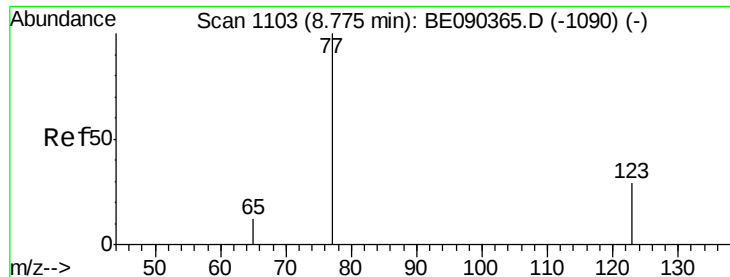


Abundance Ion 82.00 (81.70 to 82.70): BE090383.D (-1050) (-)

Ion 128.00 (127.70 to 128.70): BE090383.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BE090383.D (-1050) (-)





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.78 min Scan# 1105

Delta R.T. 0.01 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

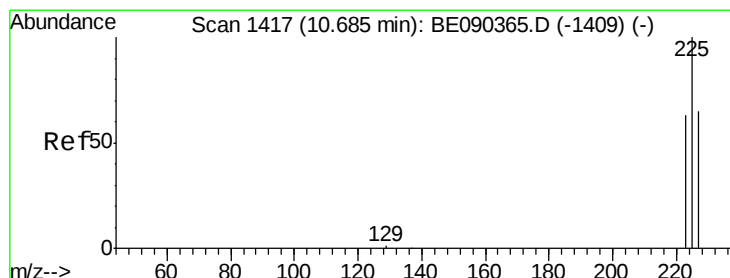
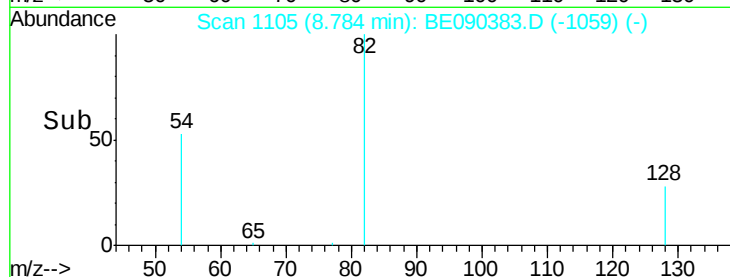
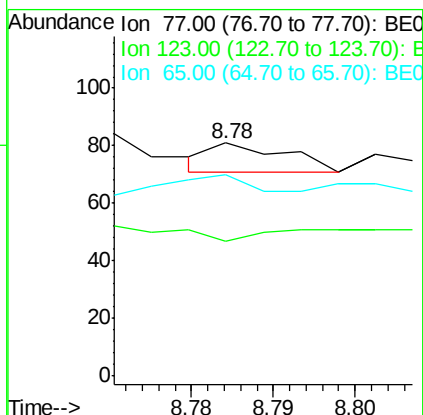
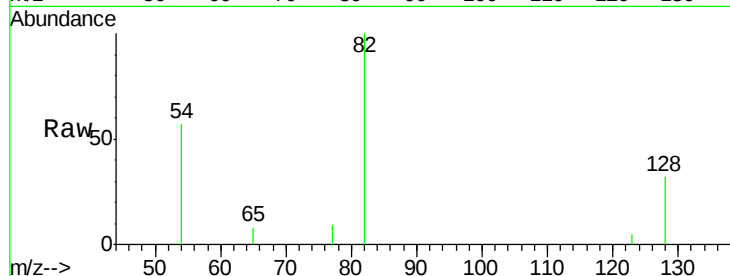
Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

Tgt Ion:	77	Resp:	6
Ion	Ratio	Lower	Upper
77	100		
123	83.3	25.1	37.7#
65	150.0	9.3	13.9#



#10

Hexachlorobutadiene

Concen: Below Cal

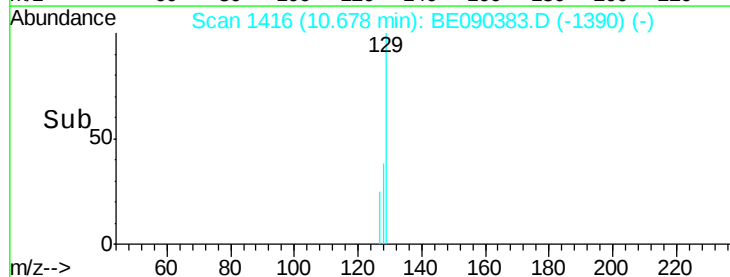
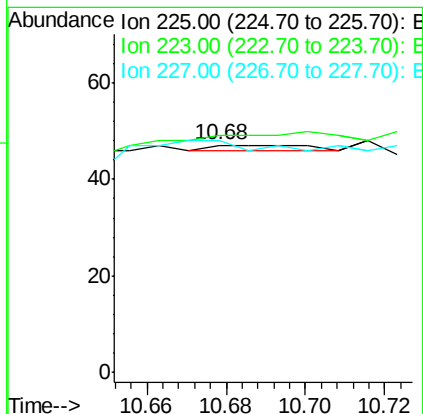
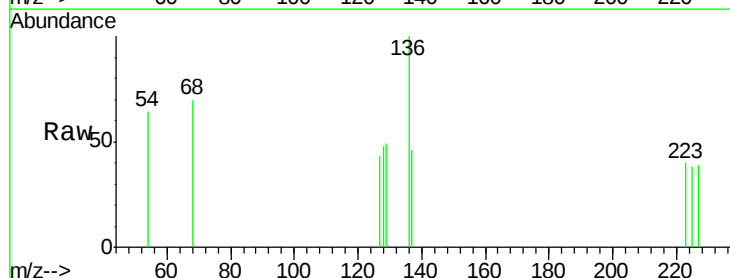
RT: 10.68 min Scan# 1416

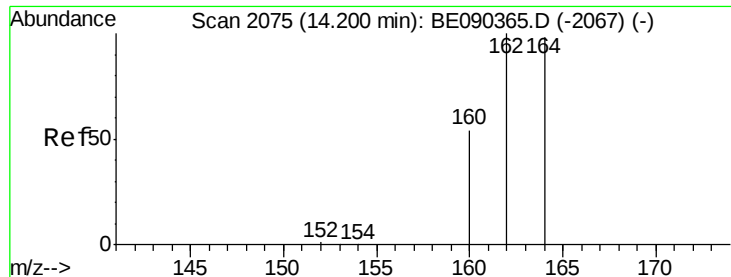
Delta R.T. -0.01 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

Tgt Ion:	225	Resp:	2
Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.6	75.8#
227	300.0	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: BE090383.D

Acq: 6 Aug 2015 11:10

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

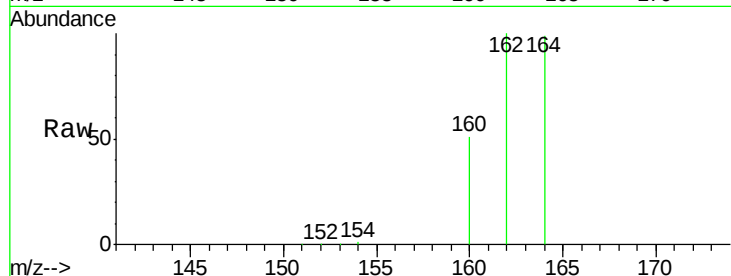
Tgt Ion:164 Resp: 56930

Ion Ratio Lower Upper

164 100

162 100.9 81.8 122.8

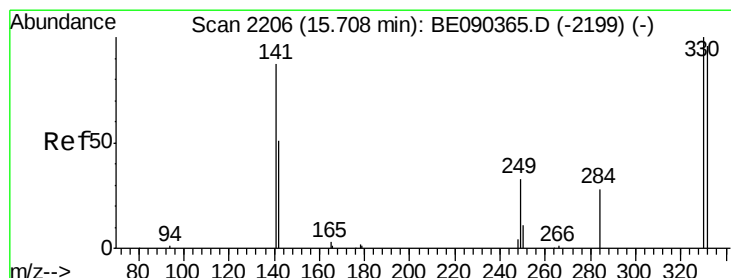
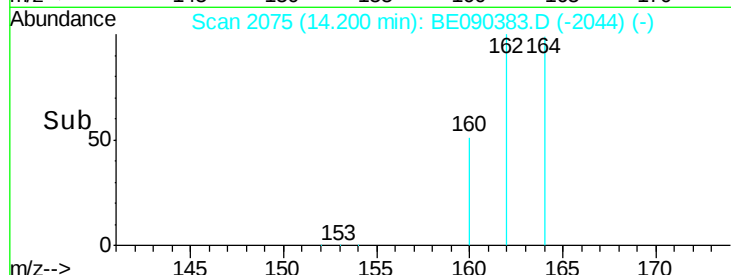
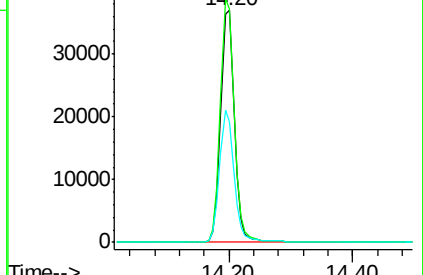
160 51.9 44.2 66.4



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: 5.35 ng

RT: 15.69 min Scan# 2205

Delta R.T. -0.02 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

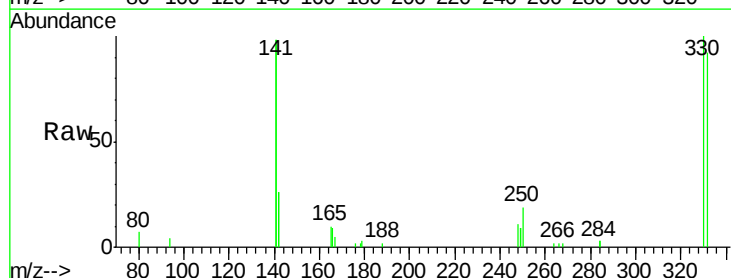
Tgt Ion:330 Resp: 7830

Ion Ratio Lower Upper

330 100

332 96.3 75.8 113.6

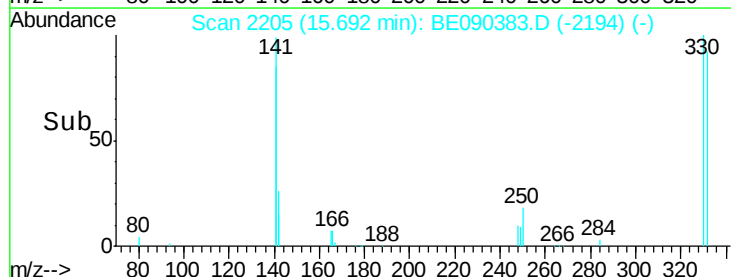
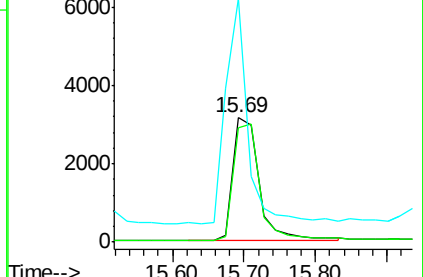
141 156.6 114.4 171.6



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

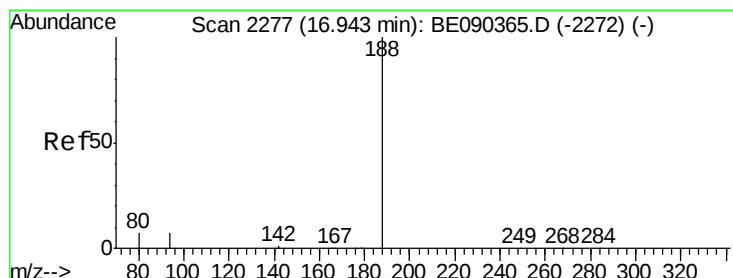
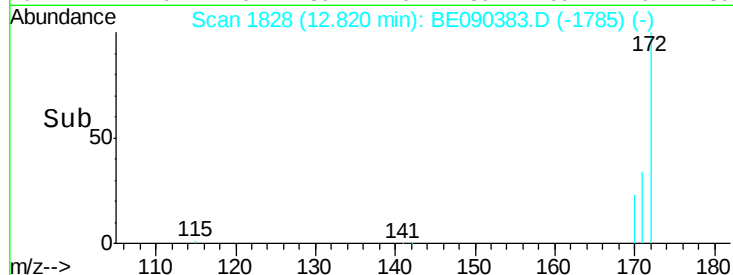
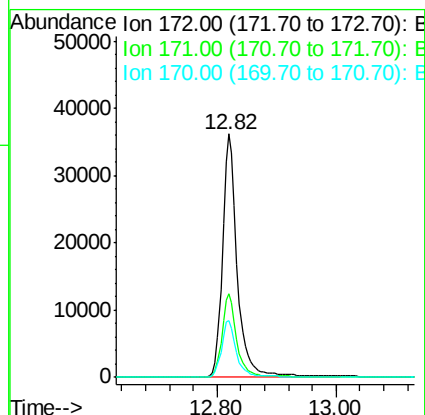
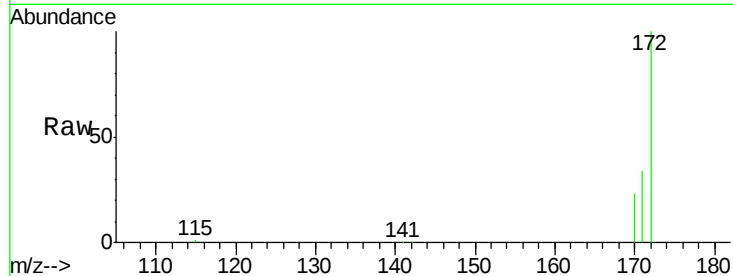




#14
2-Fluorobiphenyl
Concen: 4.02 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090383.D
Acq: 6 Aug 2015 11:10

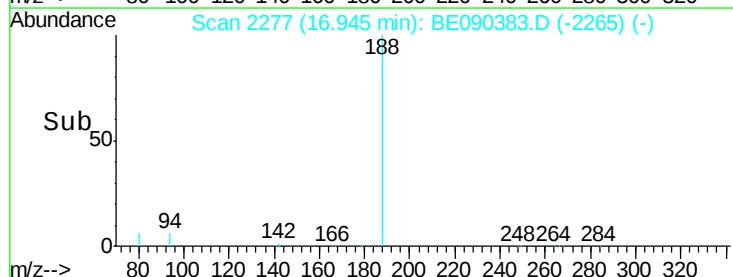
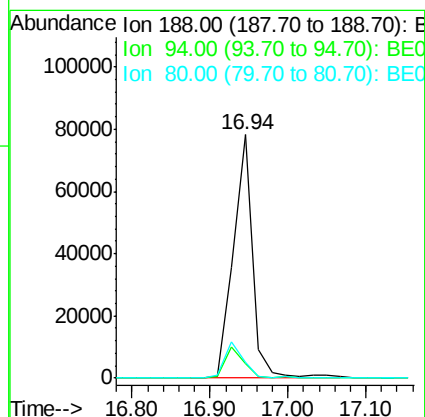
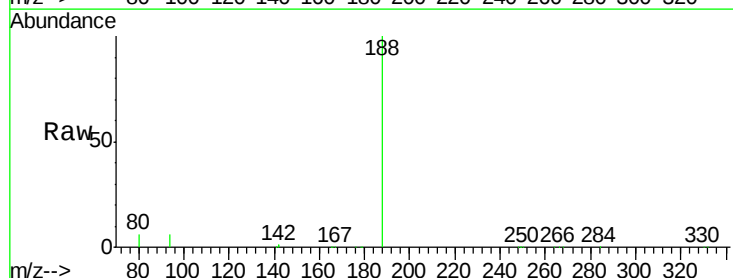
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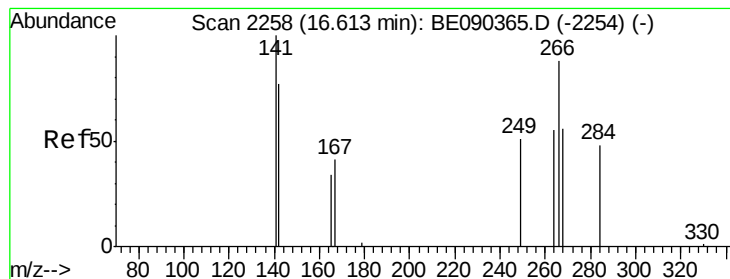
Tgt Ion:172 Resp: 62879
Ion Ratio Lower Upper
172 100
171 34.1 28.5 42.7
170 23.3 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2277
Delta R.T. 0.00 min
Lab File: BE090383.D
Acq: 6 Aug 2015 11:10

Tgt Ion:188 Resp: 134042
Ion Ratio Lower Upper
188 100
94 5.9 5.7 8.5
80 6.4 5.8 8.8





#21

Pentachlorophenol

Concen: 0.11 ng

RT: 16.61 min Scan# 2258

Delta R.T. 0.00 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

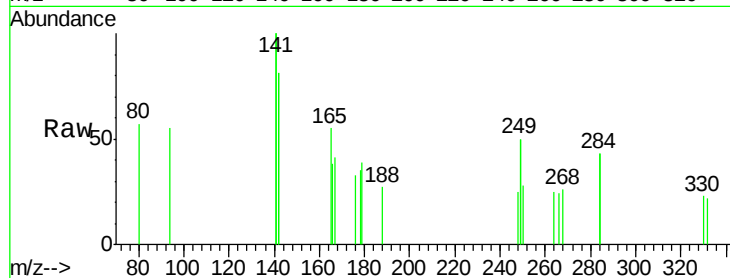
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

268 107.7 58.5 87.7#

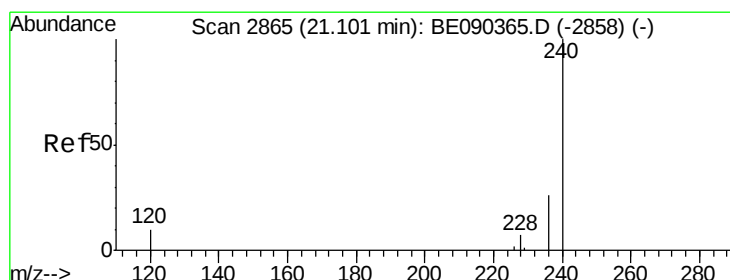
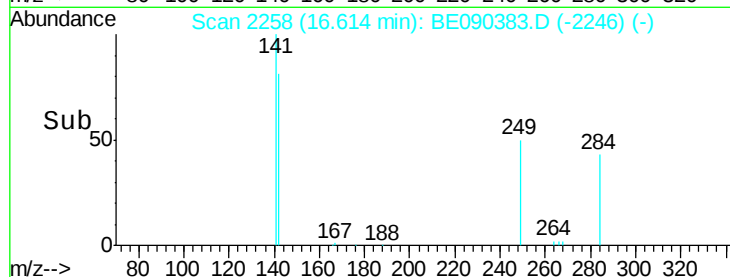
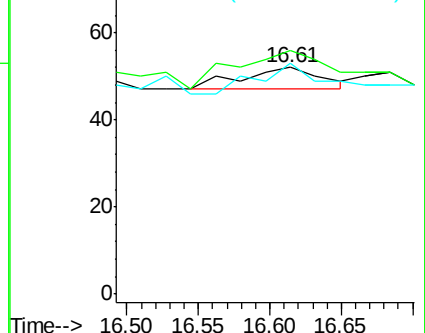
264 101.9 56.0 84.0#



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# 2865

Delta R.T. -0.00 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

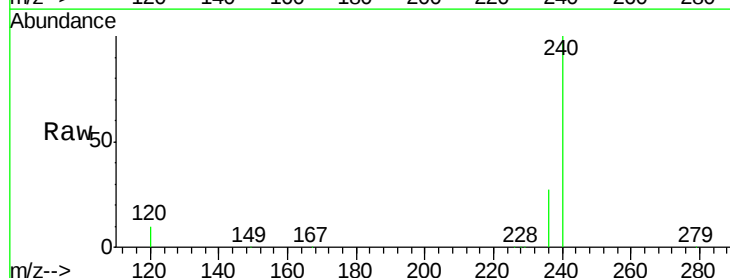
Tgt Ion:240 Resp: 166601

Ion Ratio Lower Upper

240 100

120 9.9 8.3 12.5

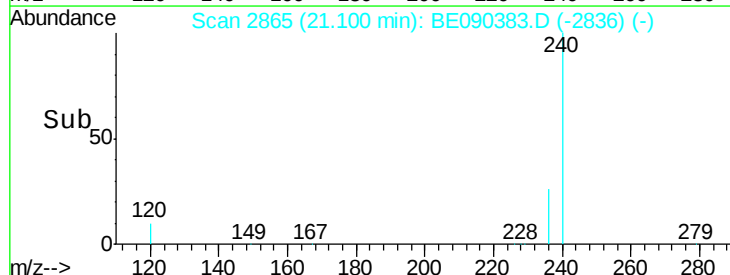
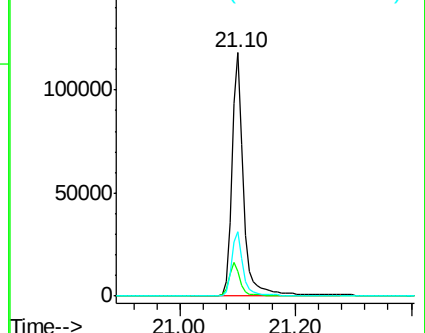
236 26.5 21.0 31.4

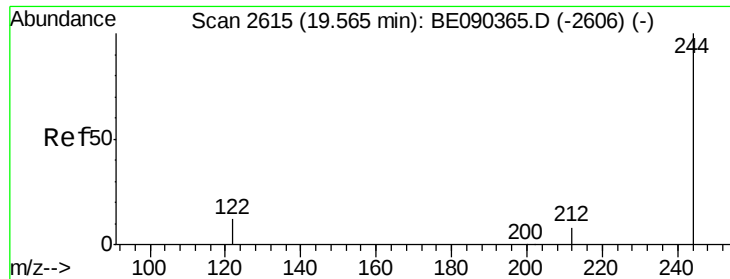


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

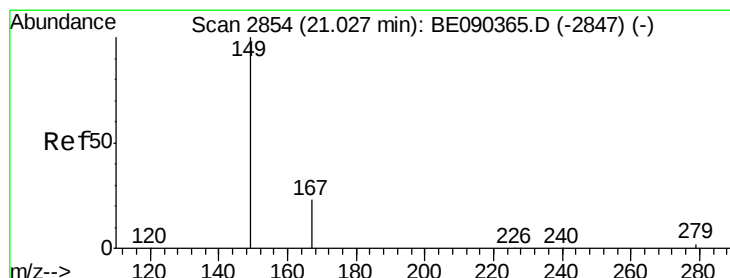
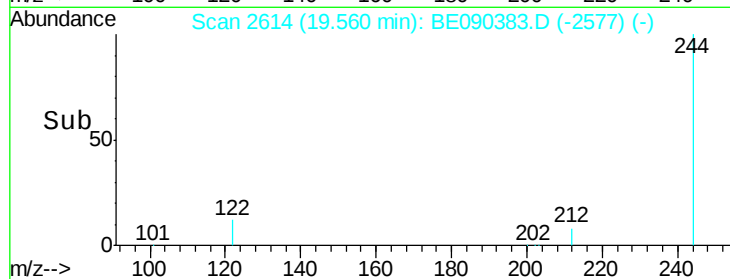
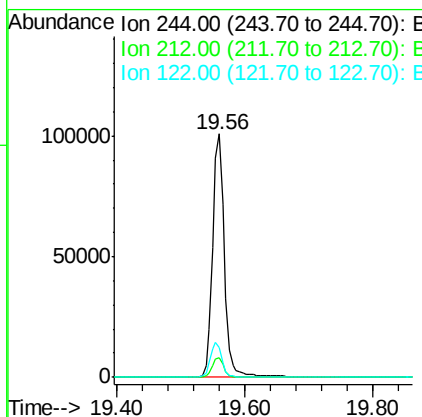
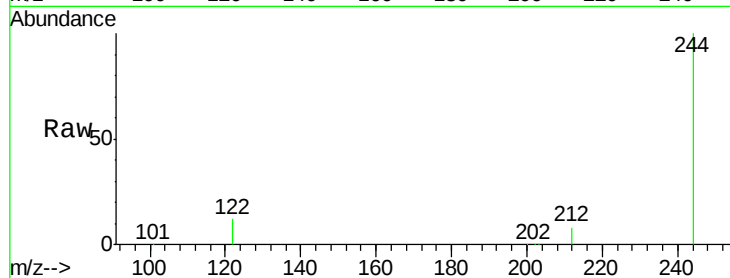




#27
 Terphenyl-d14
 Concen: 5.32 ng
 RT: 19.56 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090383.D
 Acq: 6 Aug 2015 11:10

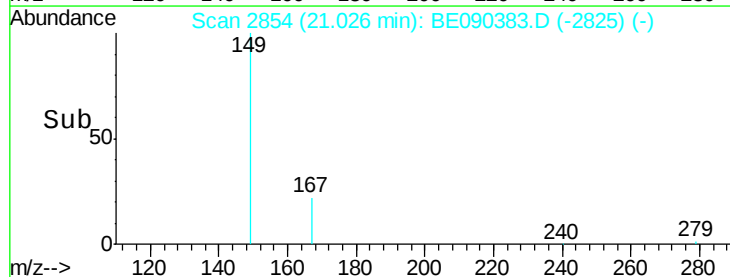
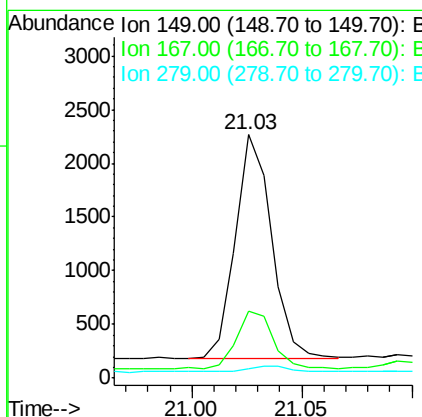
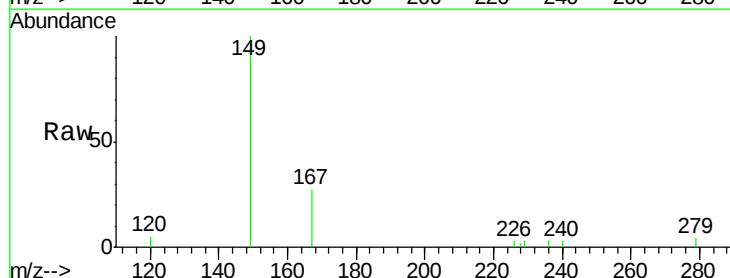
Instrument :
 BNA_E
 ClientSampleId :
 080415-D506-E-U-B

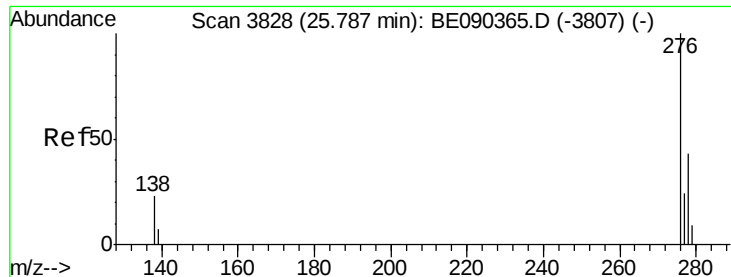
Tgt Ion: 244 Resp: 130517
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 12.0 10.2 15.4



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.38 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. -0.00 min
 Lab File: BE090383.D
 Acq: 6 Aug 2015 11:10

Tgt Ion: 149 Resp: 2395
 Ion Ratio Lower Upper
 149 100
 167 26.6 19.8 29.8
 279 3.0 2.4 3.6





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 25.78 min Scan# 3827

Delta R.T. -0.01 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

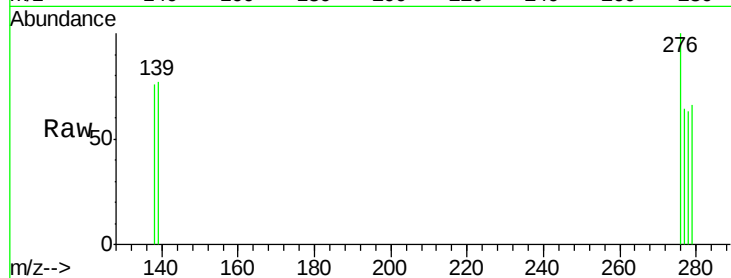
Tgt Ion:276 Resp: 72

Ion Ratio Lower Upper

276 100

138 26.4 18.8 28.2

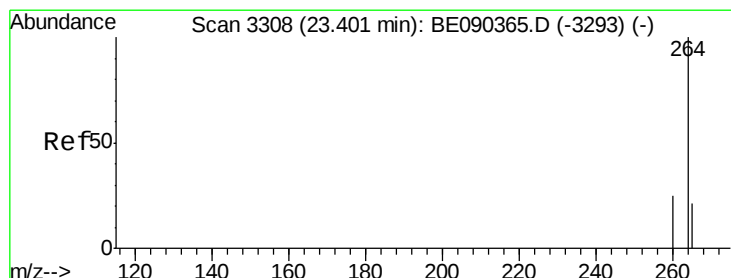
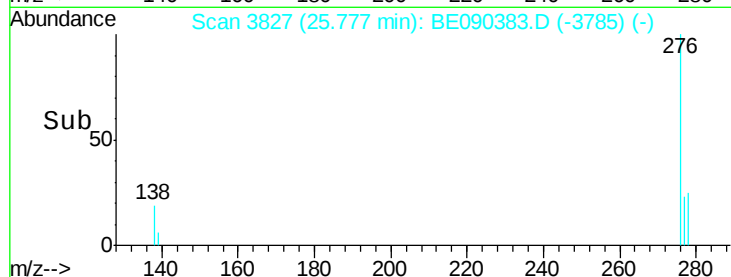
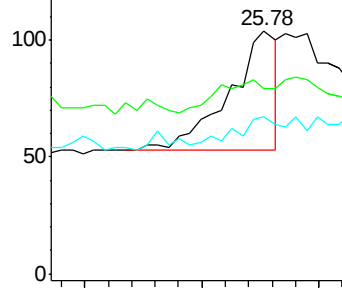
277 18.1 18.2 27.4#



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



#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3309

Delta R.T. 0.00 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

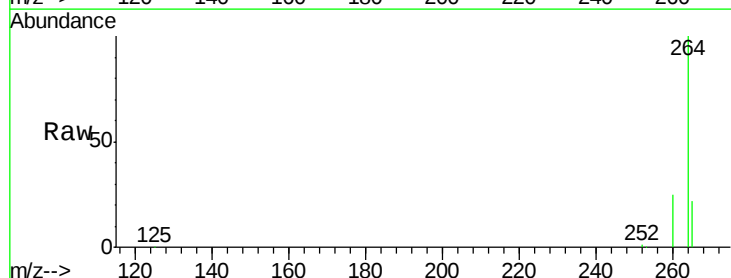
Tgt Ion:264 Resp: 154332

Ion Ratio Lower Upper

264 100

260 24.6 20.1 30.1

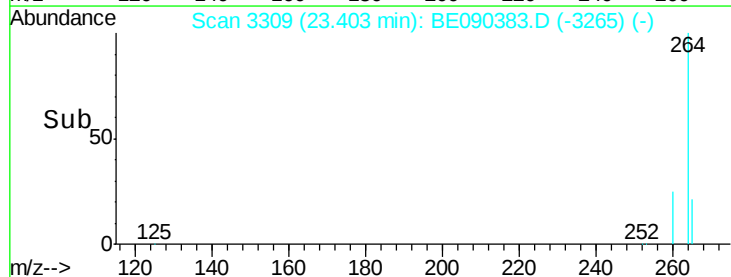
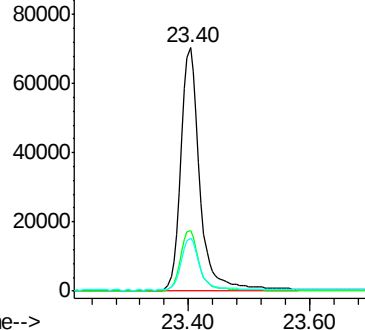
265 21.8 17.2 25.8

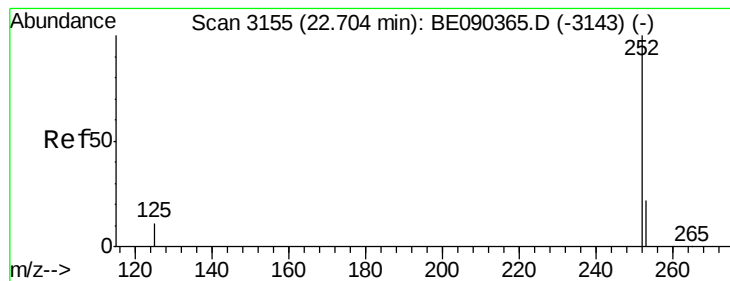


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3155

Delta R.T. -0.00 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B

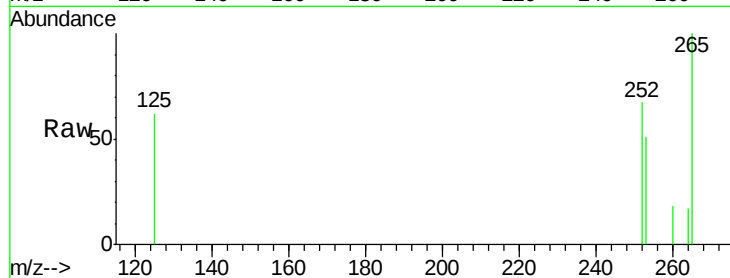
Tgt Ion: 252 Resp: 236

Ion Ratio Lower Upper

252 100

253 75.6 18.1 27.1#

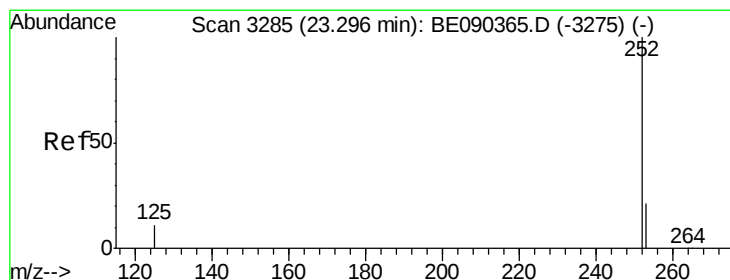
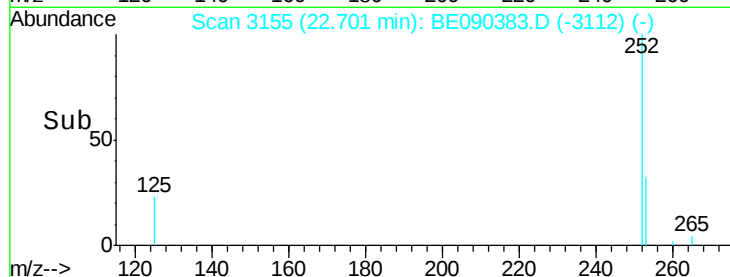
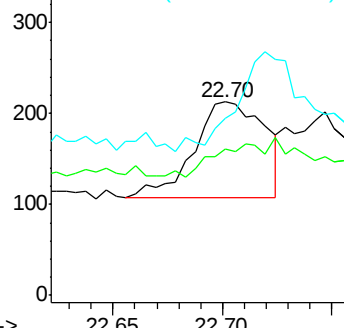
125 91.5 9.4 14.2#



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: 0.23 ng

RT: 23.30 min Scan# 3286

Delta R.T. 0.00 min

Lab File: BE090383.D

Acq: 6 Aug 2015 11:10

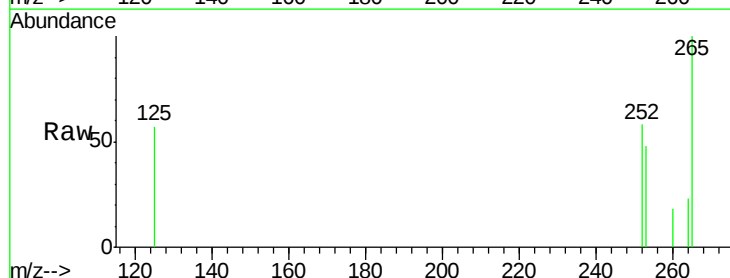
Tgt Ion: 252 Resp: 156

Ion Ratio Lower Upper

252 100

253 83.8 17.6 26.4#

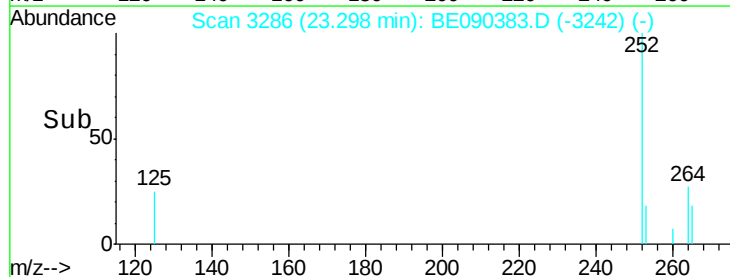
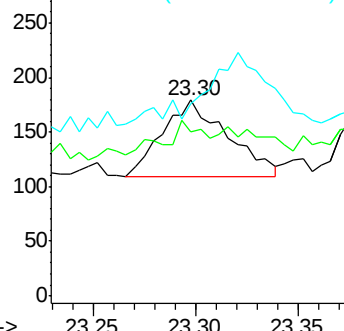
125 98.3 9.8 14.6#

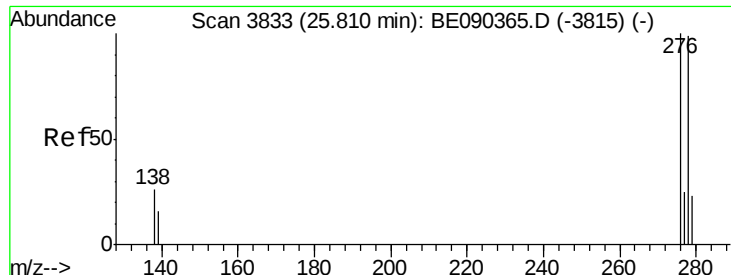


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Dibenzo(a,h)anthracene

Concen: 0.28 ng

RT: 25.81 min Scan# 3835

Delta R.T. 0.00 min

Lab File: BE090383.D

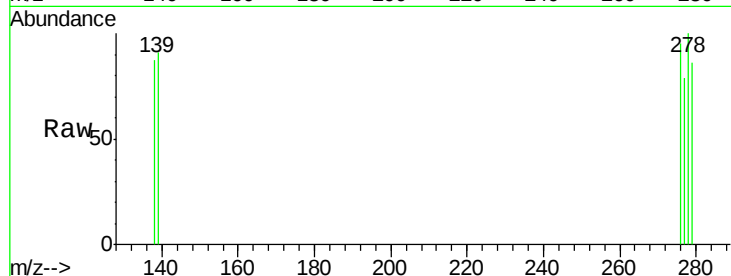
Acq: 6 Aug 2015 11:10

Instrument :

BNA_E

ClientSampleId :

080415-D506-E-U-B



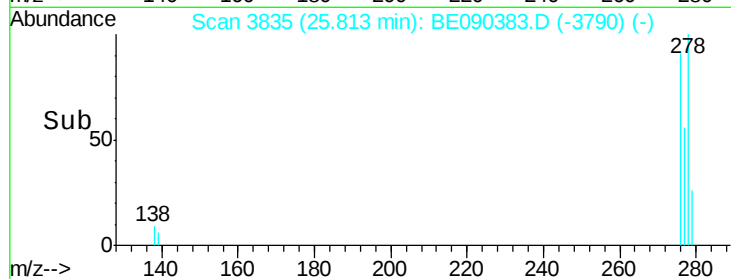
Tgt Ion: 278 Resp: 25

Ion Ratio Lower Upper

278 100

139 90.7 14.2 21.4#

279 86.0 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

