

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE080515\
 Data File : BE090372.D
 Acq On : 5 Aug 2015 22:55
 Operator : TP/UM
 Sample : G3180-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Aug 06 02:34:58 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	20539	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	90117	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	54556	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	119535	5.00	ng	0.00
25) Chrysene-d12	21.10	240	147368	5.00	ng	0.00
32) Perylene-d12	23.40	264	137563	5.00	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	9819	2.72	ng	0.00
5) Phenol-d6	6.77	99	8623	1.50	ng	0.00
7) Nitrobenzene-d5	8.73	82	25374	3.52	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	12162	7.51	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	67990	4.53	ng	0.00
27) Terphenyl-d14	19.56	244	132451	6.10	ng	0.00

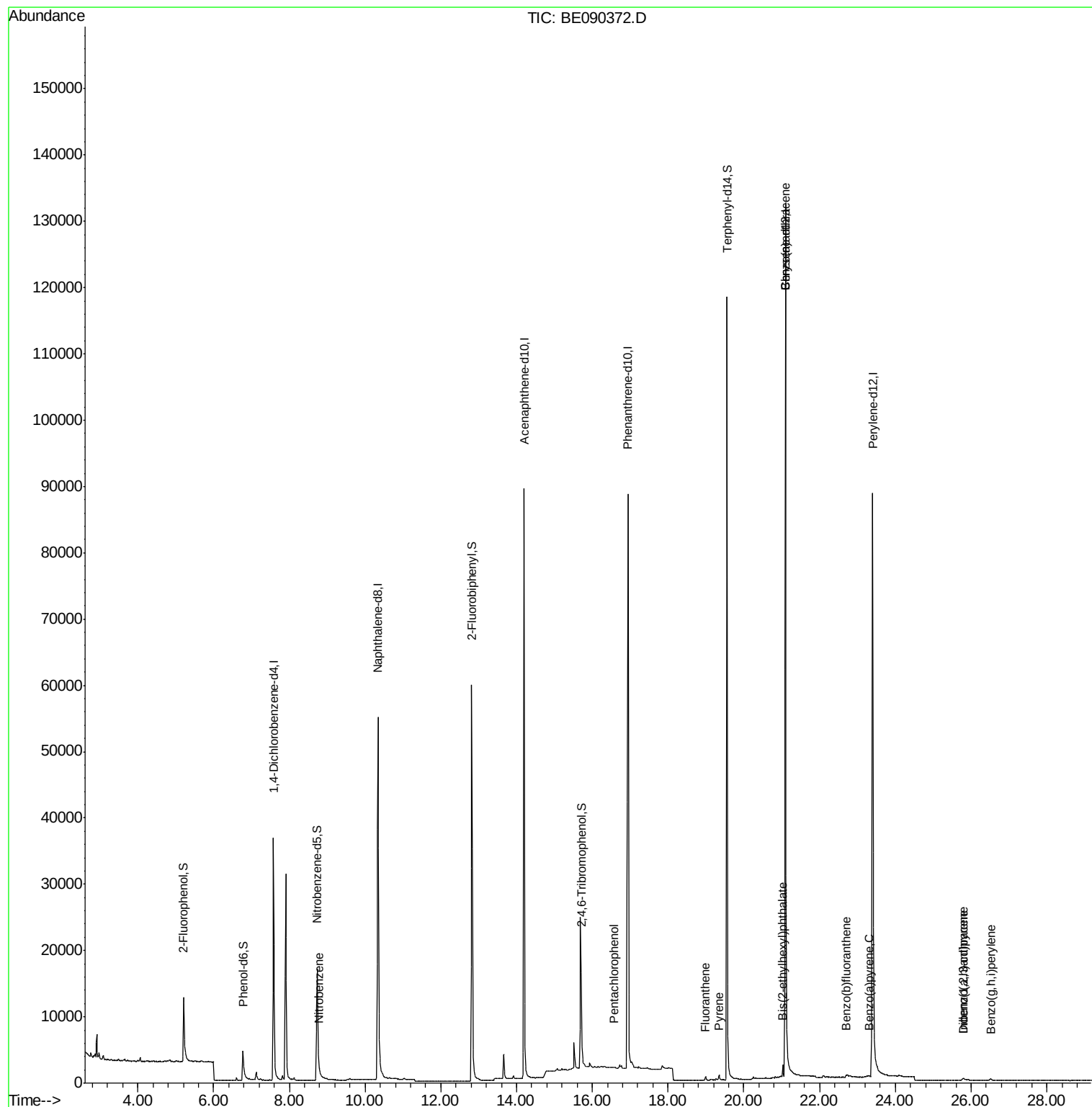
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.31	88	53	Below Cal	#	1
8) Nitrobenzene	8.80	77	8	0.21 ng	#	50
10) Hexachlorobutadiene	10.65	225	5	Below Cal	#	57
21) Pentachlorophenol	16.58	266	20	0.10 ng	#	71
24) Fluoranthene	18.99	202	599	0.02 ng	#	96
26) Pyrene	19.35	202	798	0.02 ng		94
28) Benzo(a)anthracene	21.09	228	811	0.02 ng	#	73
30) Bis(2-ethylhexyl)phthalate	21.03	149	1808	0.34 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	653	0.27 ng	#	90
33) Benzo(b)fluoranthene	22.70	252	520	0.21 ng	#	6
35) Benzo(a)pyrene	23.30	252	447	0.24 ng	#	7
36) Dibenzo(a,h)anthracene	25.80	278	475	0.30 ng	#	31
37) Benzo(g,h,i)perylene	26.52	276	697	0.03 ng	#	50

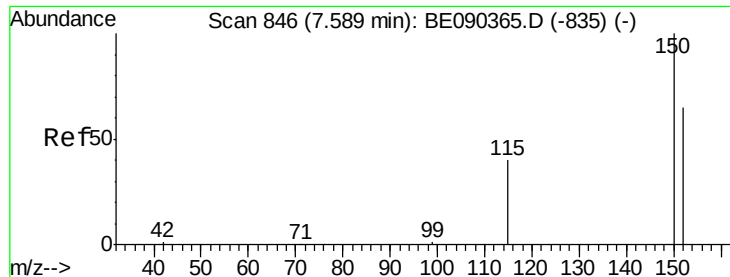
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

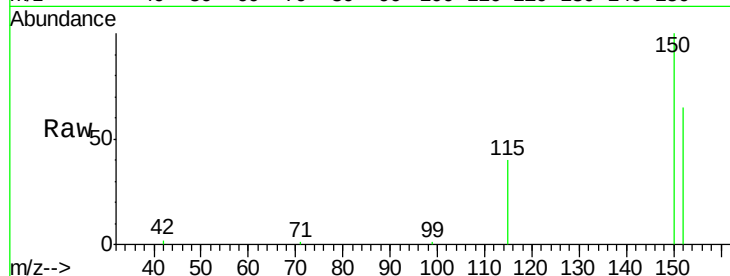
Tgt Ion:152 Resp: 20539

Ion Ratio Lower Upper

152 100

150 152.9 123.0 184.4

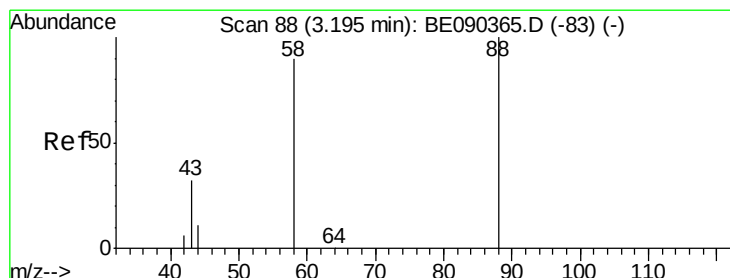
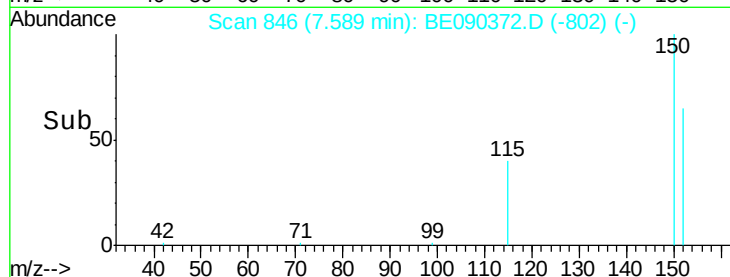
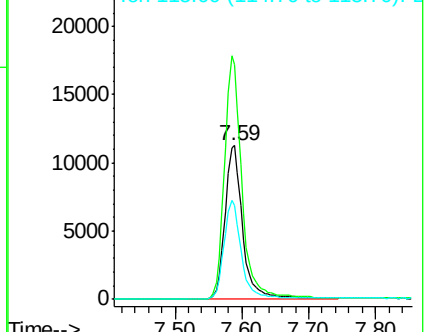
115 61.2 48.9 73.3



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: 3.31 min Scan# 104

Delta R.T. 0.11 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

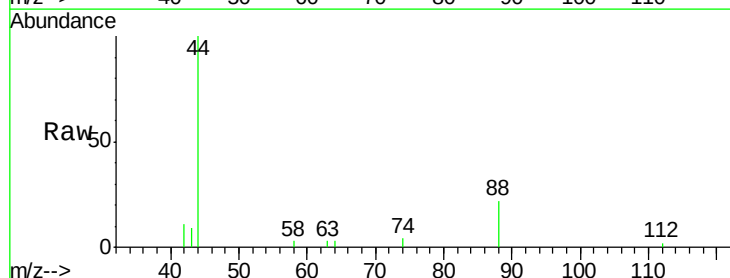
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

58 0.0 70.0 105.0#

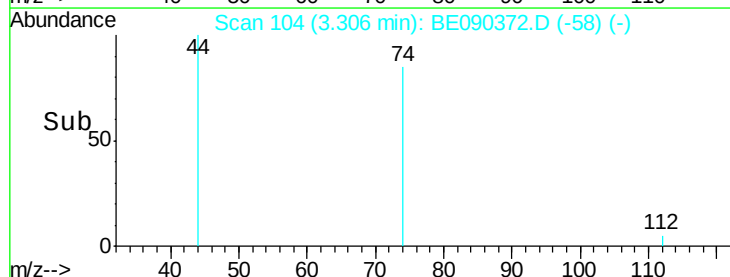
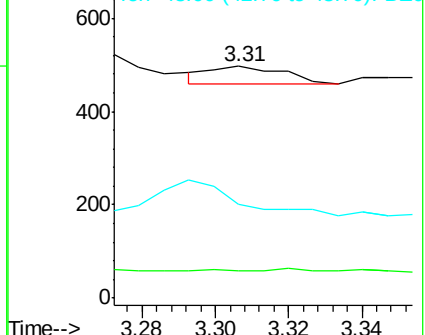
43 237.7 28.4 42.6#

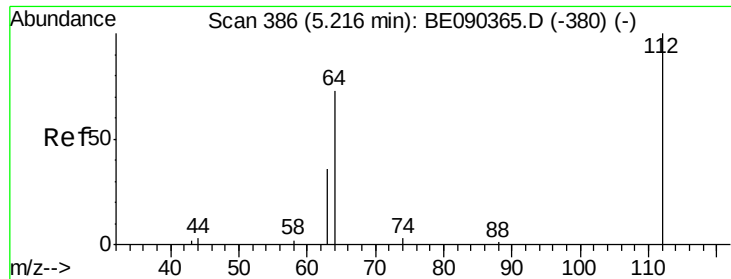


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

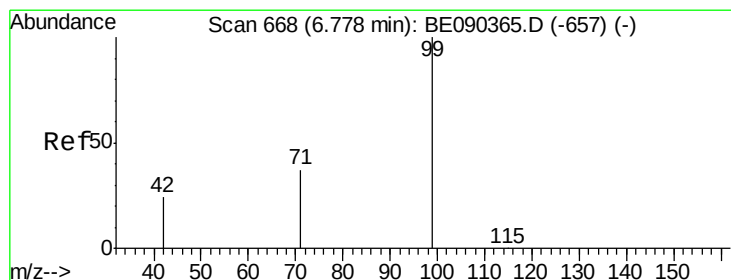
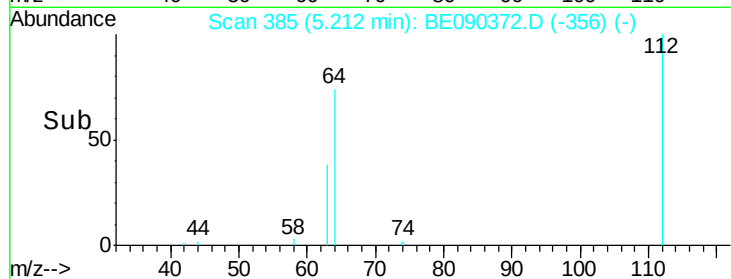
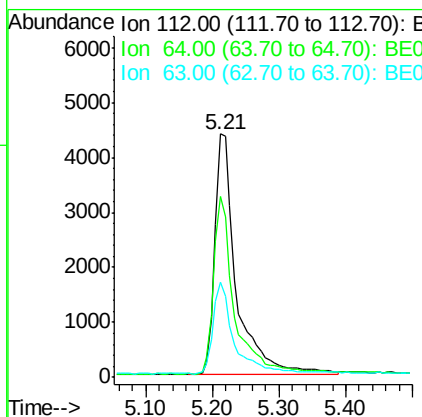
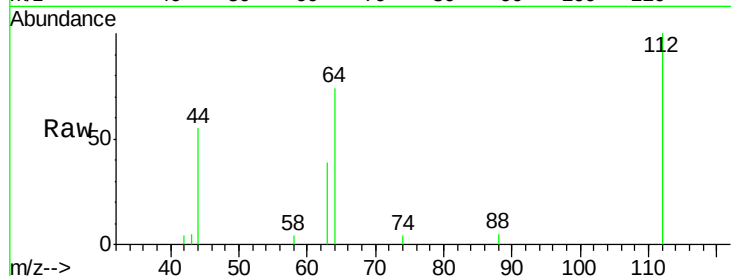




#4
 2-Fluorophenol
 Concen: 2.72 ng
 RT: 5.21 min Scan# 385
 Delta R.T. -0.00 min
 Lab File: BE090372.D
 Acq: 5 Aug 2015 22:55

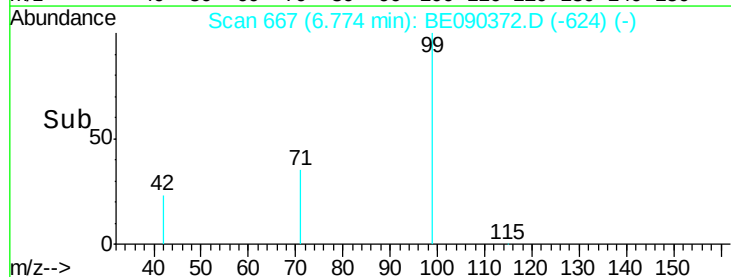
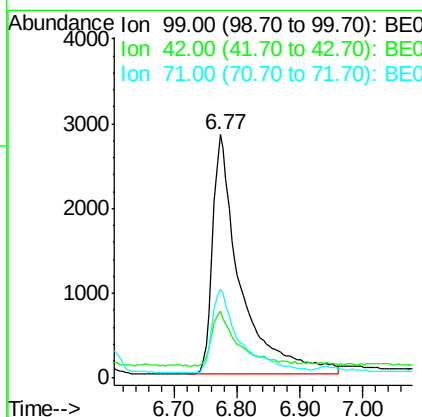
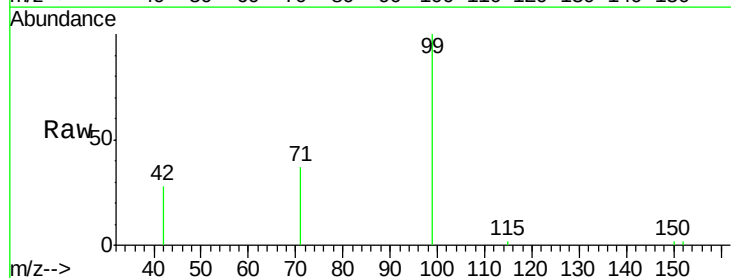
Instrument :
 BNA_E
 ClientSampleId :
 080315-D506-F-D-B

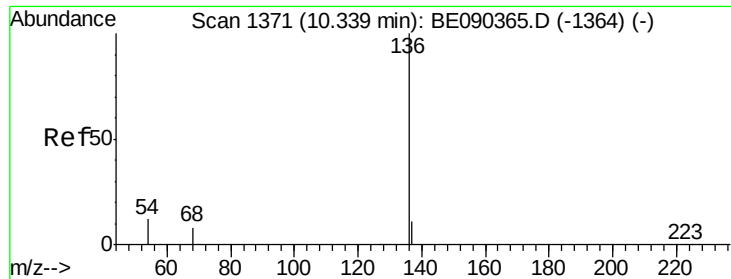
Tgt Ion:	112	Resp:	9819
Ion	Ratio	Lower	Upper
112	100		
64	71.1	37.1	55.7#
63	36.4	19.5	29.3#



#5
 Phenol-d6
 Concen: 1.50 ng
 RT: 6.77 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: BE090372.D
 Acq: 5 Aug 2015 22:55

Tgt Ion:	99	Resp:	8623
Ion	Ratio	Lower	Upper
99	100		
42	21.5	18.2	27.4
71	35.7	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: BE090372.D

Acq: 5 Aug 2015 22:55

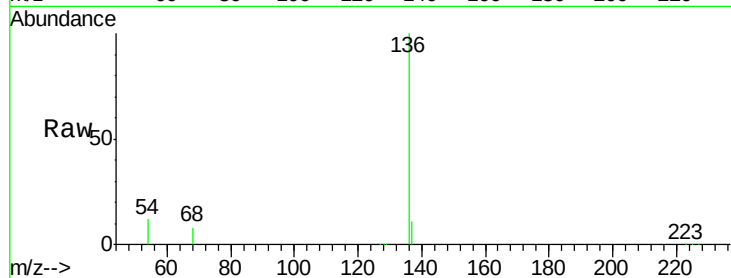
Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

Tgt Ion:	136	Resp:	90117
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	12.3	9.4	14.0
68	8.5	6.5	9.7

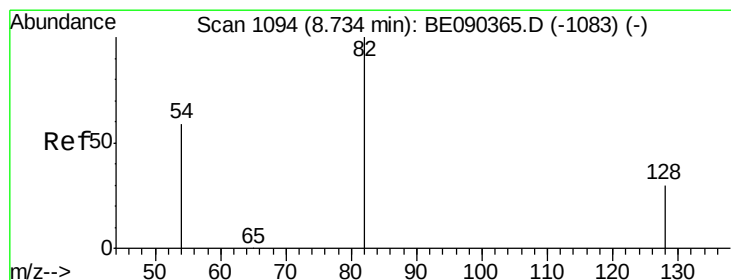
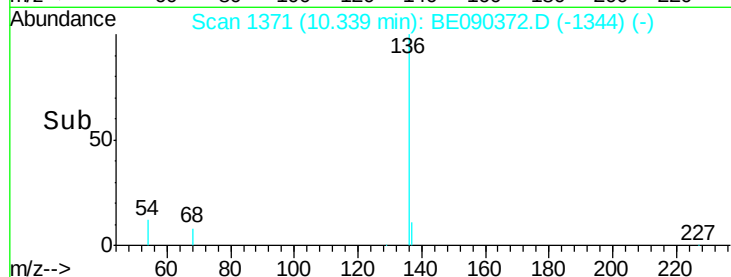
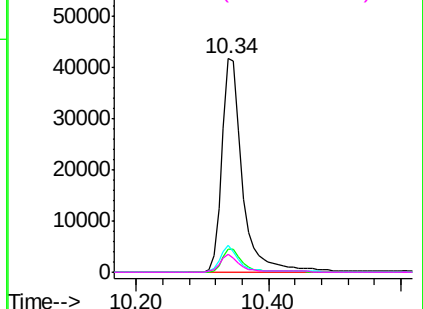


Abundance Ion 136.00 (135.70 to 136.70): BE090372.D (-1364) (-)

Ion 137.00 (136.70 to 137.70): BE090372.D (-1364) (-)

Ion 54.00 (53.70 to 54.70): BE090372.D (-1364) (-)

Ion 68.00 (67.70 to 68.70): BE090372.D (-1364) (-)



#7

Nitrobenzene-d5

Concen: 3.52 ng

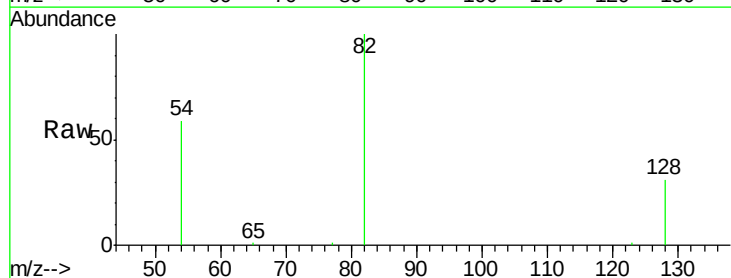
RT: 8.73 min Scan# 1094

Delta R.T. 0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

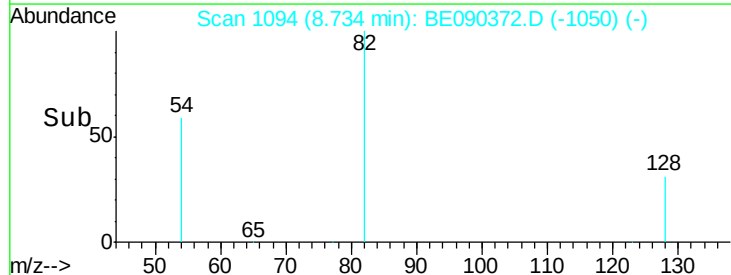
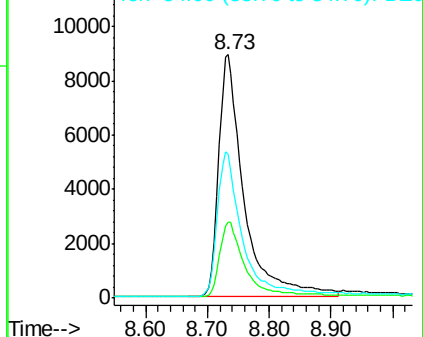
Tgt Ion:	82	Resp:	25374
Ion	Ratio	Lower	Upper
82	100		
128	31.2	25.0	37.6
54	59.0	48.8	73.2

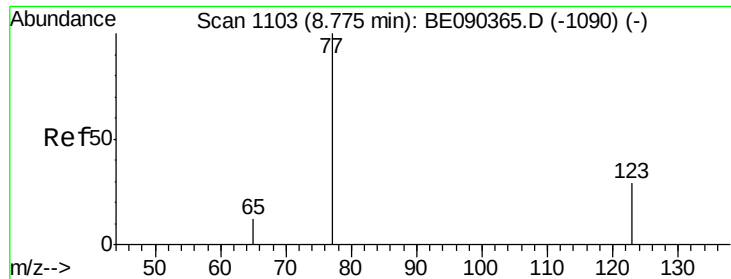


Abundance Ion 82.00 (81.70 to 82.70): BE090372.D (-1050) (-)

Ion 128.00 (127.70 to 128.70): BE090372.D (-1050) (-)

Ion 54.00 (53.70 to 54.70): BE090372.D (-1050) (-)





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.80 min Scan# 1108

Delta R.T. 0.02 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

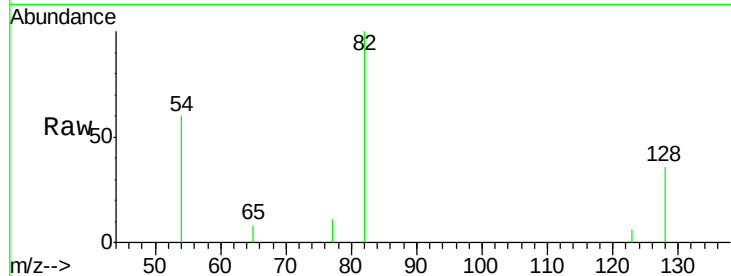
Tgt Ion: 77 Resp: 8

Ion Ratio Lower Upper

77 100

123 0.0 25.1 37.7#

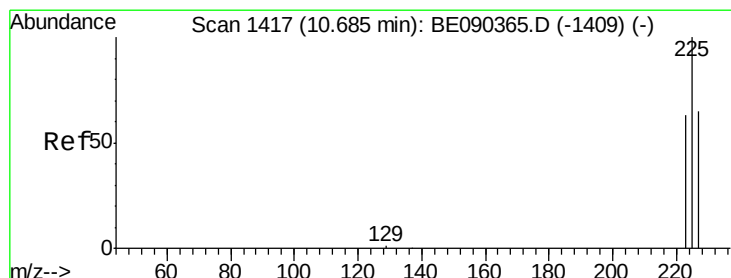
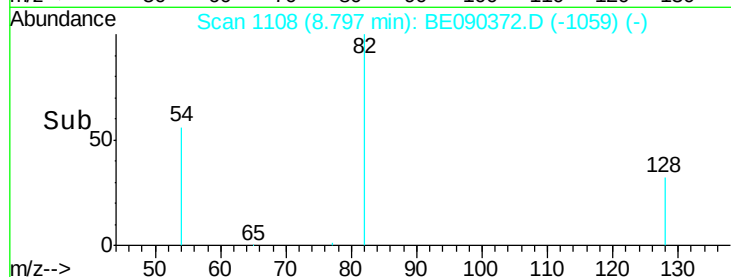
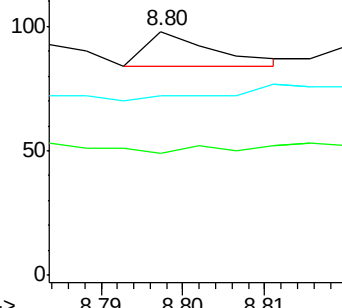
65 0.0 9.3 13.9#



Abundance Ion 77.00 (76.70 to 77.70): BE090365.D (-1090) (-)

Ion 123.00 (122.70 to 123.70): BE090365.D (-1090) (-)

Ion 65.00 (64.70 to 65.70): BE090365.D (-1090) (-)



#10

Hexachlorobutadiene

Concen: Below Cal

RT: 10.65 min Scan# 1412

Delta R.T. -0.04 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

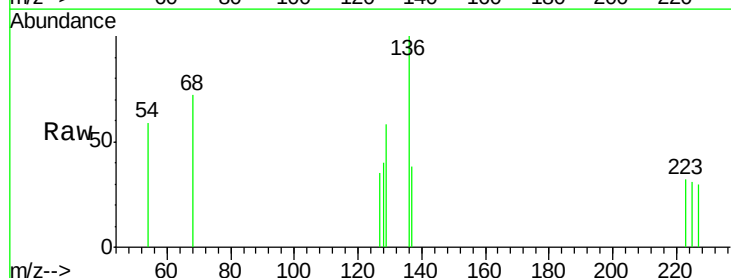
Tgt Ion: 225 Resp: 5

Ion Ratio Lower Upper

225 100

223 40.0 50.6 75.8#

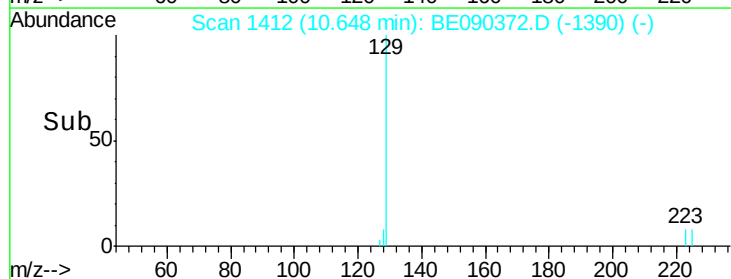
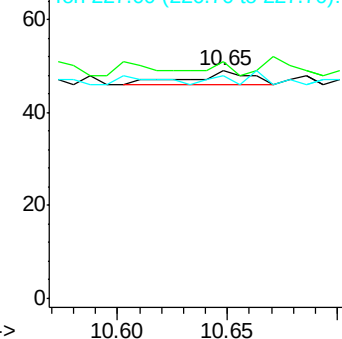
227 20.0 50.7 76.1#

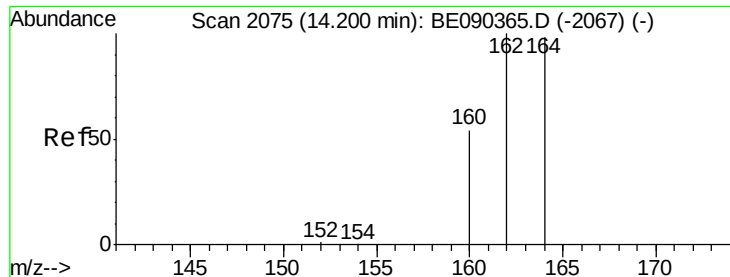


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

Ion 223.00 (222.70 to 223.70): BE090365.D (-1409) (-)

Ion 227.00 (226.70 to 227.70): BE090365.D (-1409) (-)

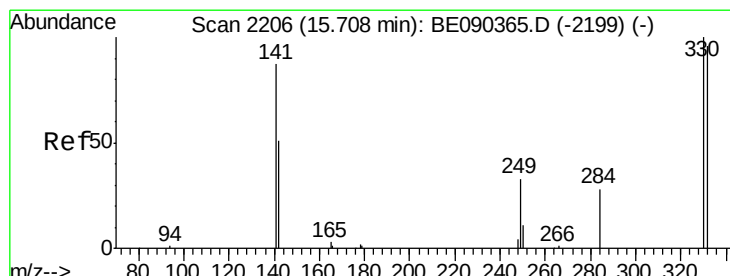
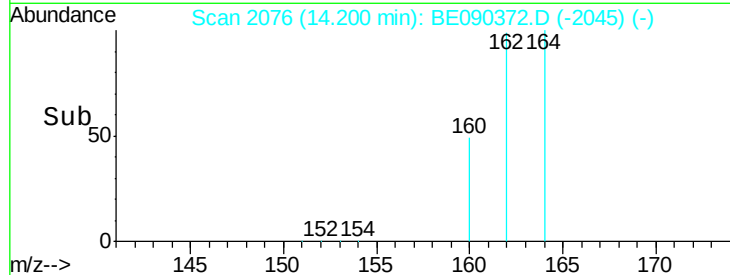
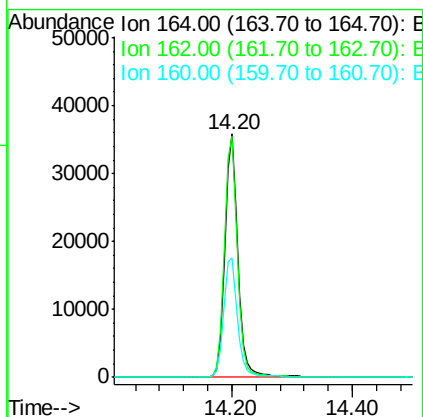
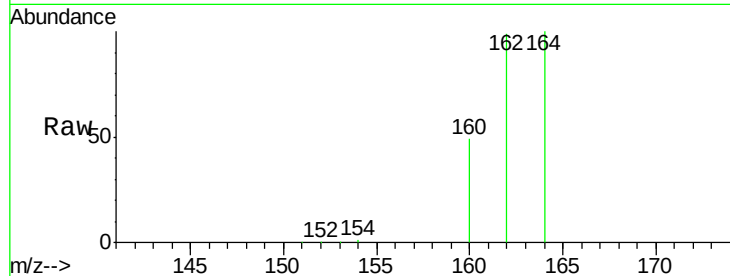




#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2076
Delta R.T. 0.00 min
Lab File: BE090372.D
Acq: 5 Aug 2015 22:55

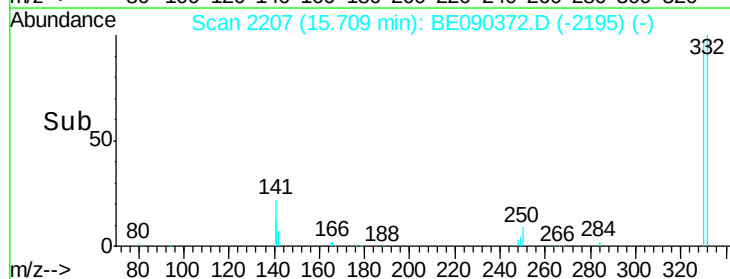
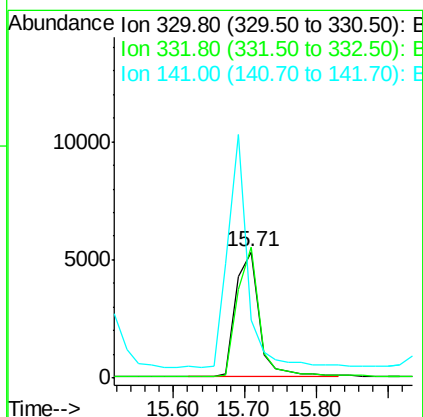
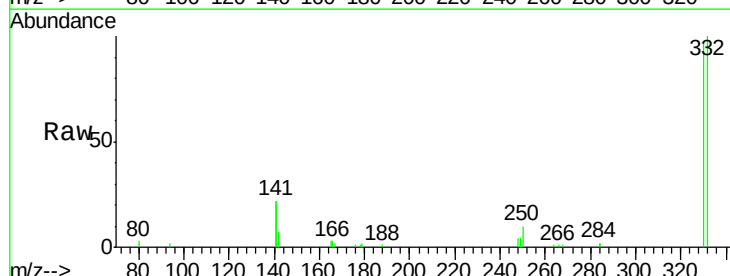
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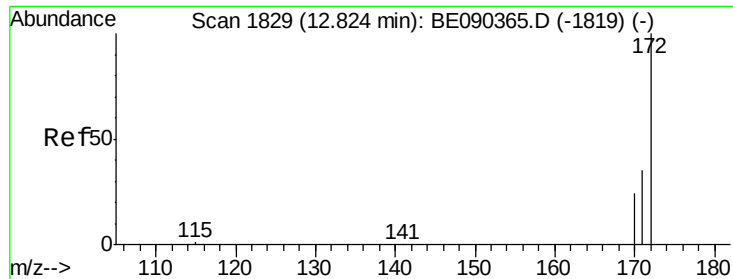
Tgt Ion:164 Resp: 54556
Ion Ratio Lower Upper
164 100
162 98.9 81.8 122.8
160 49.3 44.2 66.4



#13
2,4,6-Tribromophenol
Concen: 7.51 ng
RT: 15.71 min Scan# 2207
Delta R.T. 0.00 min
Lab File: BE090372.D
Acq: 5 Aug 2015 22:55

Tgt Ion:330 Resp: 12162
Ion Ratio Lower Upper
330 100
332 96.7 75.8 113.6
141 155.9 114.4 171.6

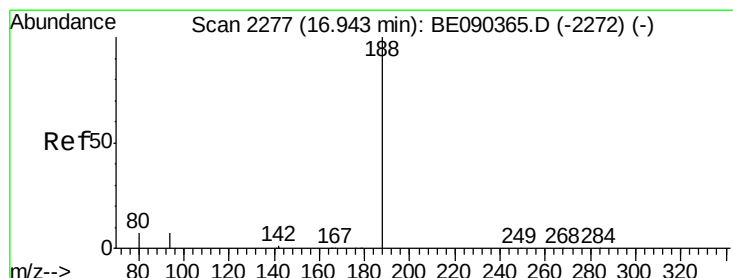
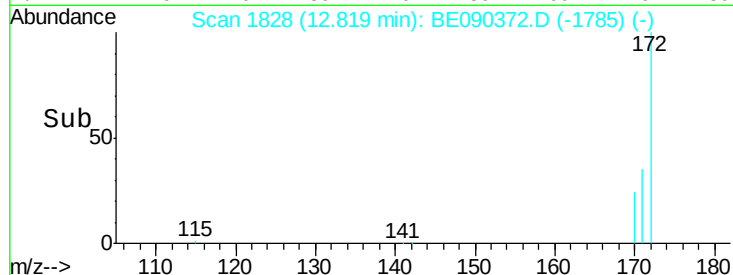
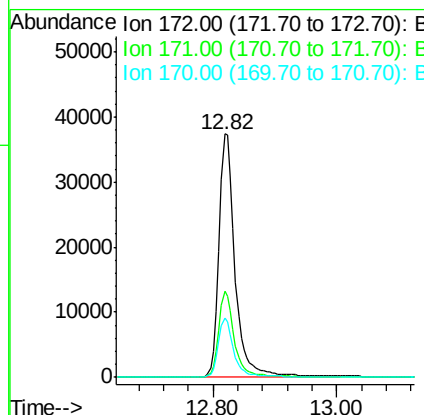
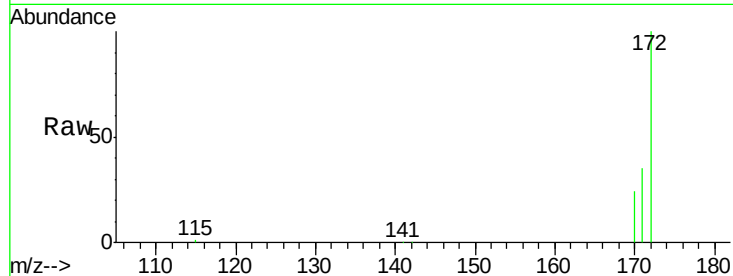




#14
2-Fluorobiphenyl
Concen: 4.53 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BE090372.D
Acq: 5 Aug 2015 22:55

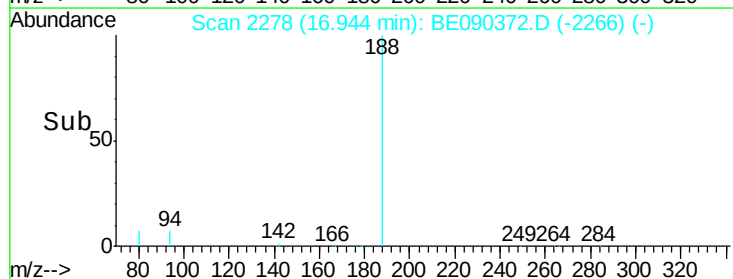
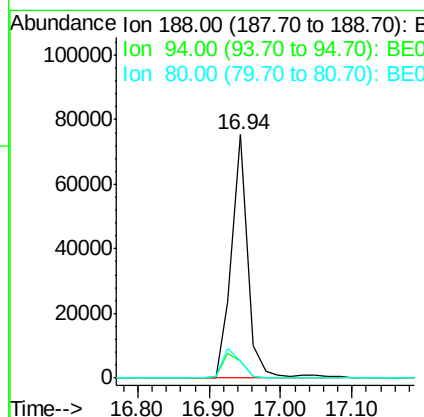
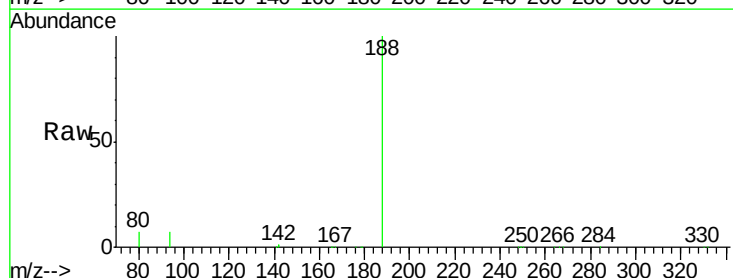
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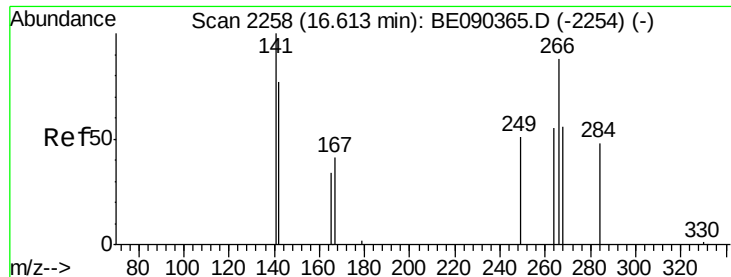
Tgt Ion:172 Resp: 67990
Ion Ratio Lower Upper
172 100
171 35.2 28.5 42.7
170 24.1 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090372.D
Acq: 5 Aug 2015 22:55

Tgt Ion:188 Resp: 119535
Ion Ratio Lower Upper
188 100
94 7.0 5.7 8.5
80 7.2 5.8 8.8





#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.58 min Scan# 2257

Delta R.T. -0.03 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

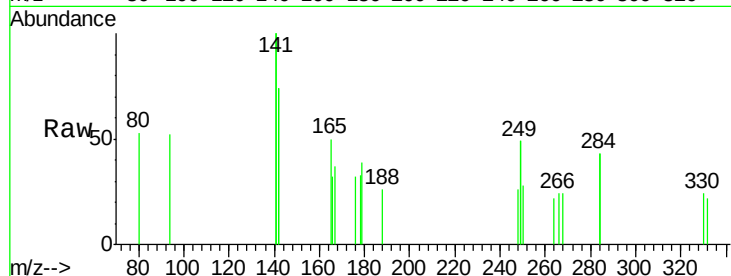
Tgt Ion:266 Resp: 20

Ion Ratio Lower Upper

266 100

268 98.1 58.5 87.7#

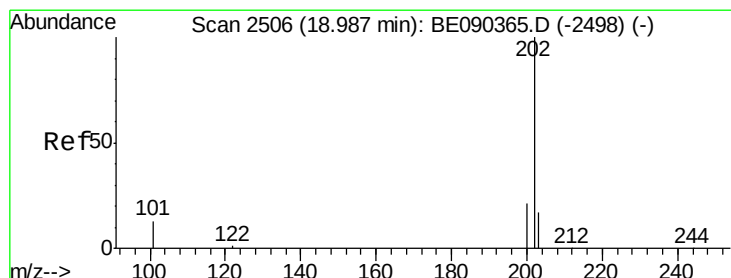
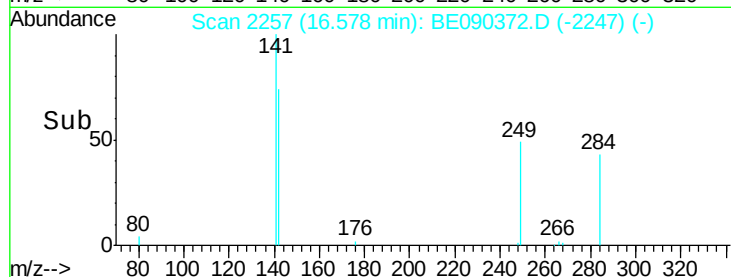
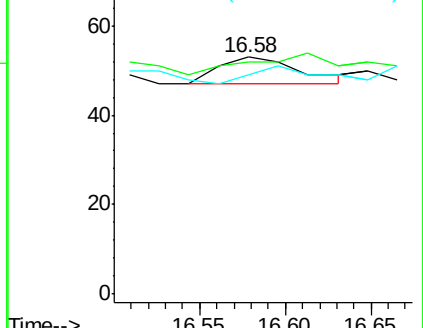
264 92.5 56.0 84.0#



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



#24

Fluoranthene

Concen: 0.02 ng

RT: 18.99 min Scan# 2507

Delta R.T. 0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

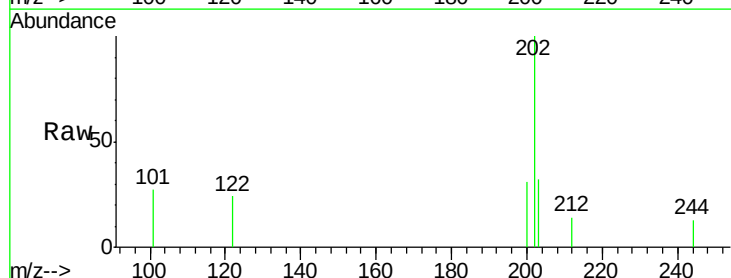
Tgt Ion:202 Resp: 599

Ion Ratio Lower Upper

202 100

101 16.5 10.3 15.5#

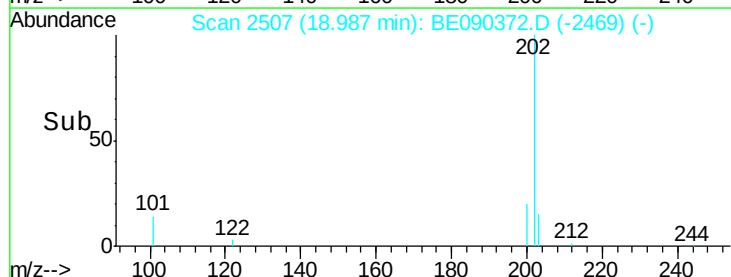
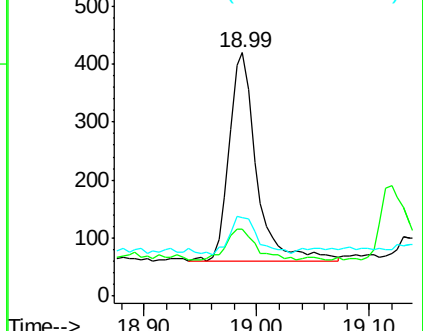
203 17.2 13.7 20.5

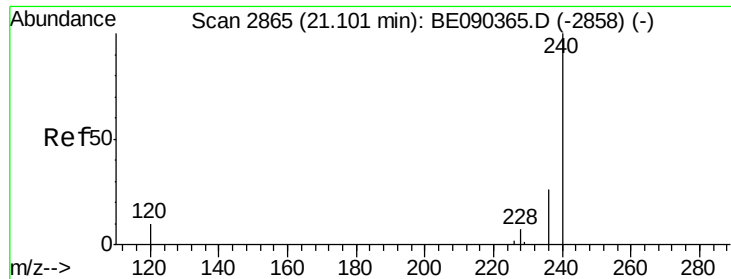


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#25

Chrysene-d12

Concen: 5.00 ng

RT: 21.10 min Scan# 2866

Delta R.T. -0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

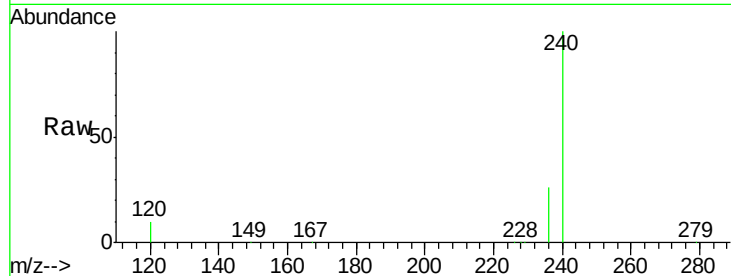
Tgt Ion:240 Resp: 147368

Ion Ratio Lower Upper

240 100

120 9.8 8.3 12.5

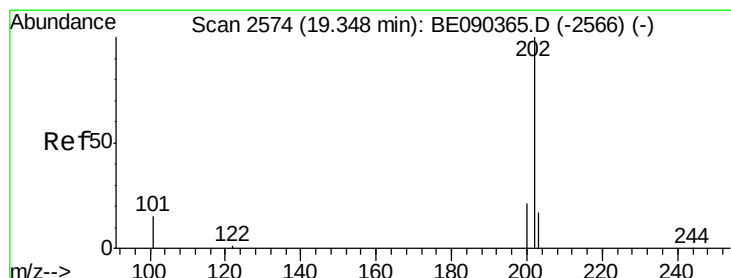
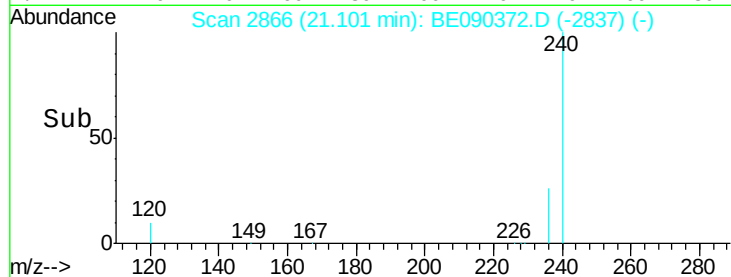
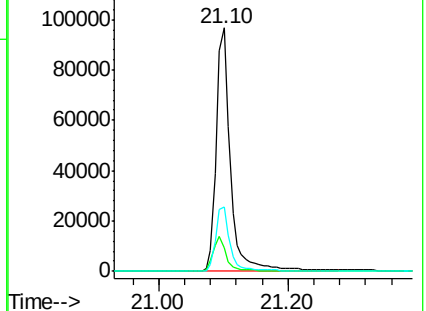
236 26.3 21.0 31.4



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



#26

Pyrene

Concen: 0.02 ng

RT: 19.35 min Scan# 2575

Delta R.T. 0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

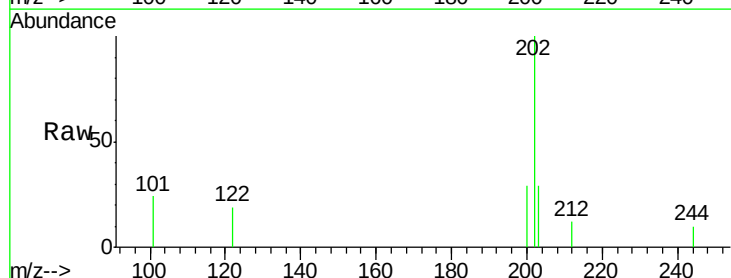
Tgt Ion:202 Resp: 798

Ion Ratio Lower Upper

202 100

200 23.3 16.7 25.1

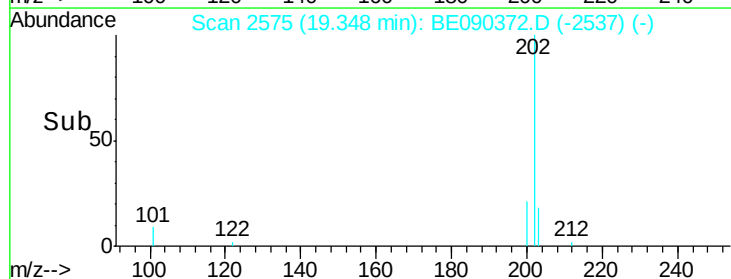
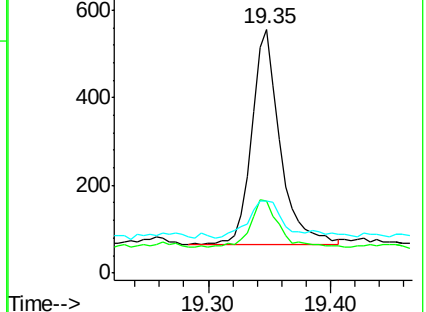
203 20.2 13.8 20.8

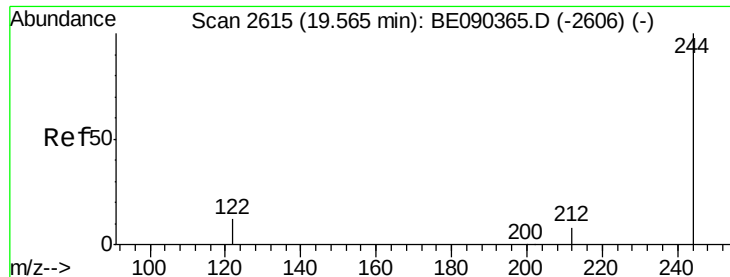


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Terphenyl-d14

Concen: 6.10 ng

RT: 19.56 min Scan# 2615

Delta R.T. -0.01 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

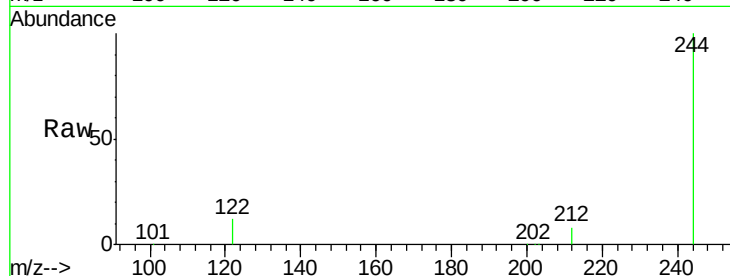
Tgt Ion:244 Resp: 132451

Ion Ratio Lower Upper

244 100

212 7.9 6.6 9.8

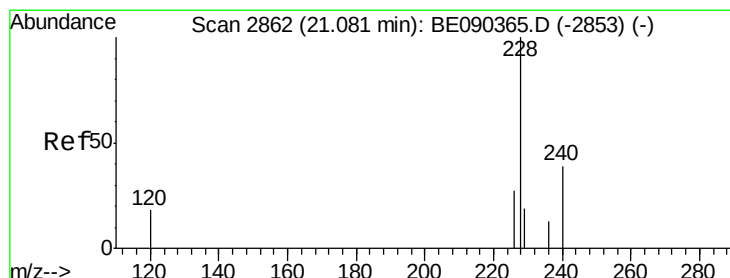
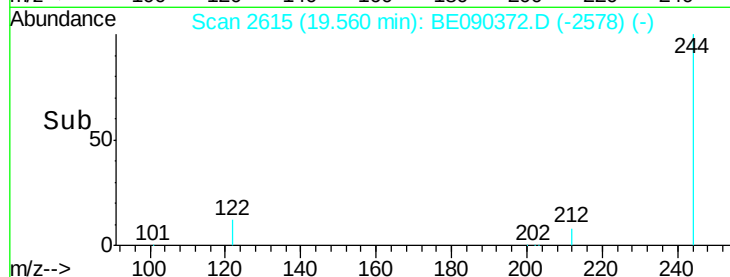
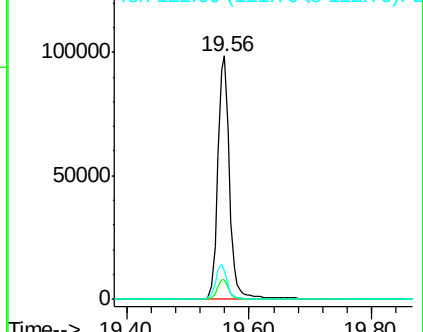
122 11.6 10.2 15.4



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



#28

Benzo(a)anthracene

Concen: 0.02 ng

RT: 21.09 min Scan# 2865

Delta R.T. 0.01 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

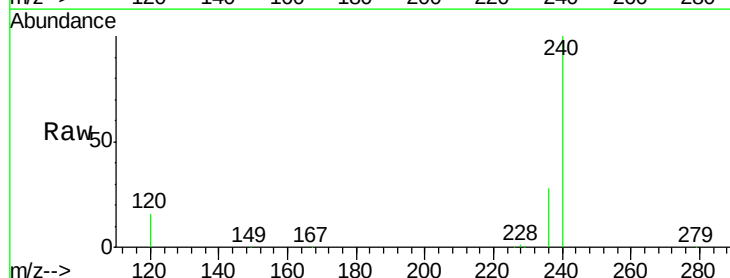
Tgt Ion:228 Resp: 811

Ion Ratio Lower Upper

228 100

226 33.4 21.9 32.9#

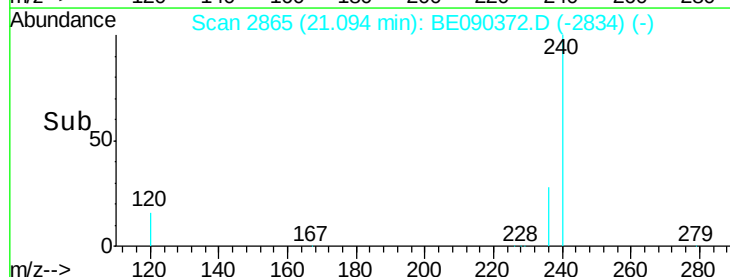
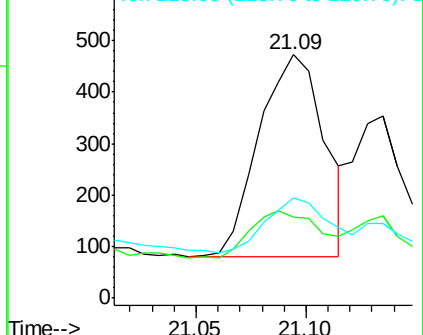
229 41.0 15.4 23.0#

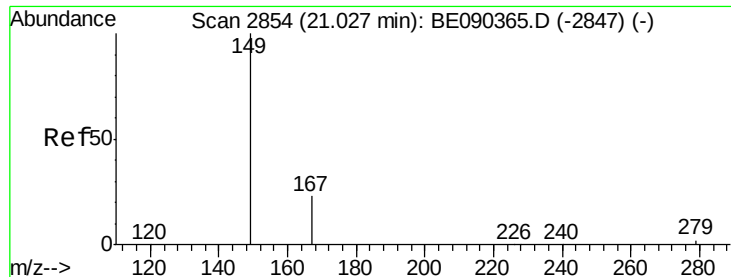


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.34 ng

RT: 21.03 min Scan# 2855

Delta R.T. 0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

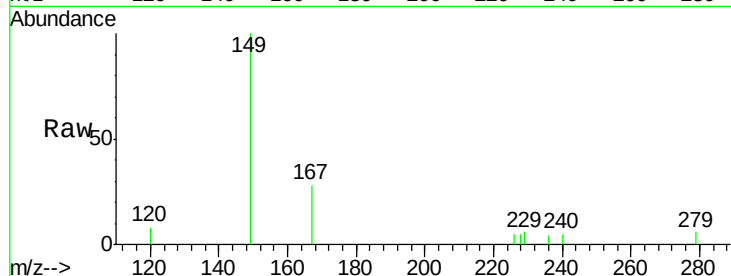
Tgt Ion:149 Resp: 1808

Ion Ratio Lower Upper

149 100

167 25.1 19.8 29.8

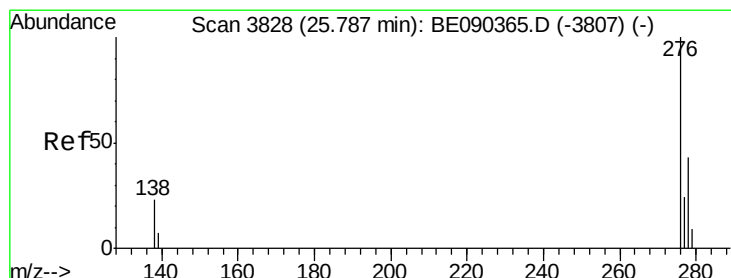
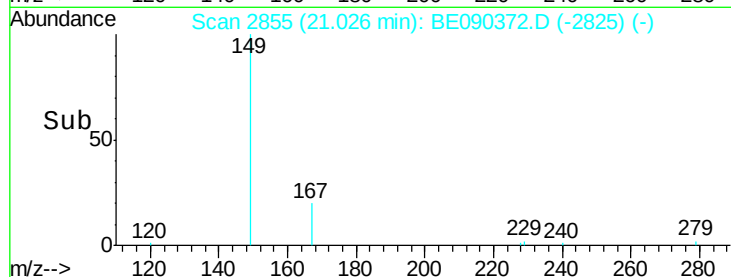
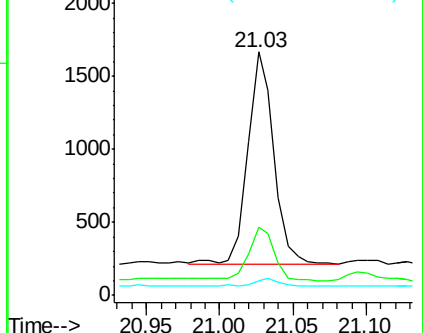
279 3.8 2.4 3.6#



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: 25.78 min Scan# 3828

Delta R.T. -0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

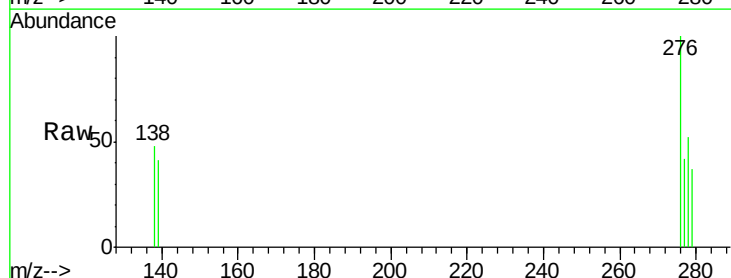
Tgt Ion:276 Resp: 653

Ion Ratio Lower Upper

276 100

138 24.7 18.8 28.2

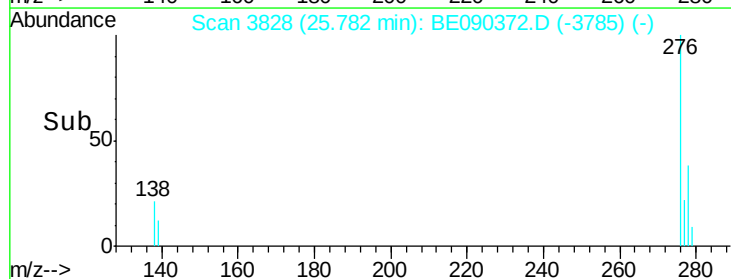
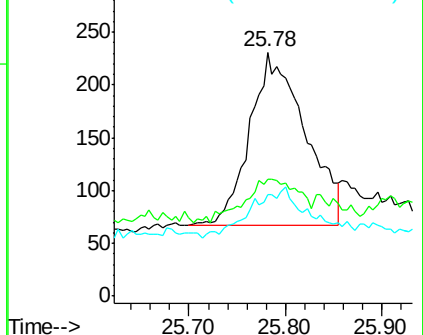
277 31.5 18.2 27.4#

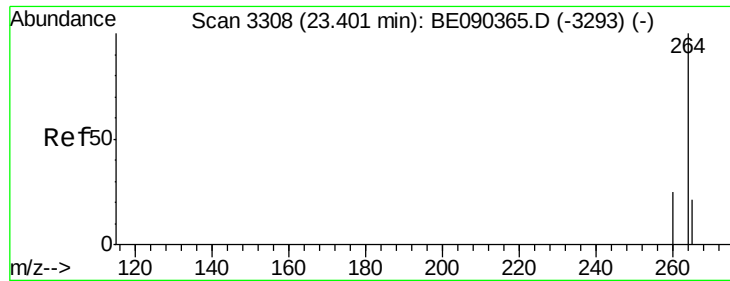


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.40 min Scan# 3309

Delta R.T. 0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

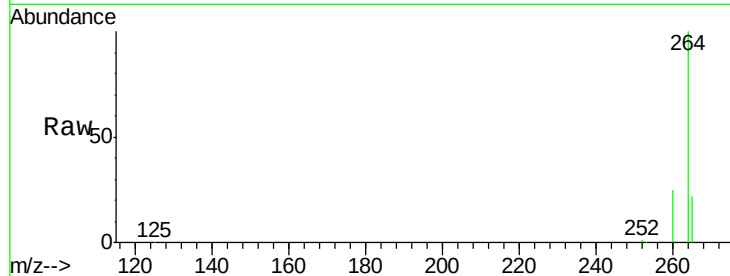
Tgt Ion: 264 Resp: 137563

Ion Ratio Lower Upper

264 100

260 25.0 20.1 30.1

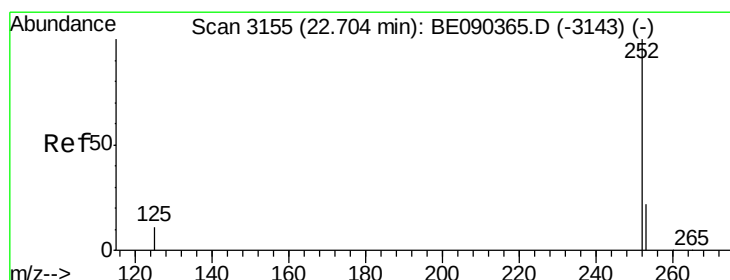
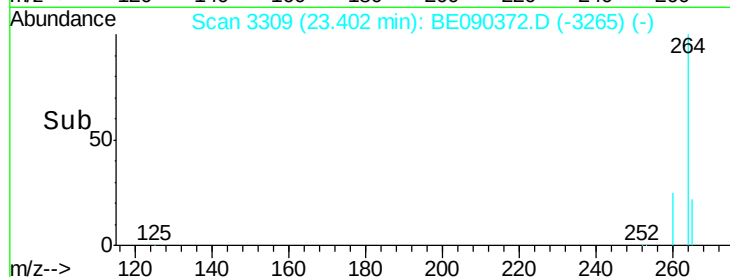
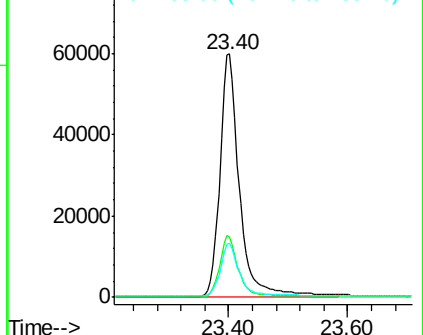
265 22.2 17.2 25.8



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: 0.21 ng

RT: 22.70 min Scan# 3156

Delta R.T. 0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

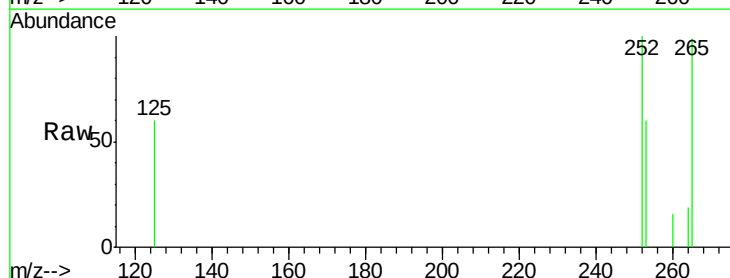
Tgt Ion: 252 Resp: 520

Ion Ratio Lower Upper

252 100

253 60.4 18.1 27.1#

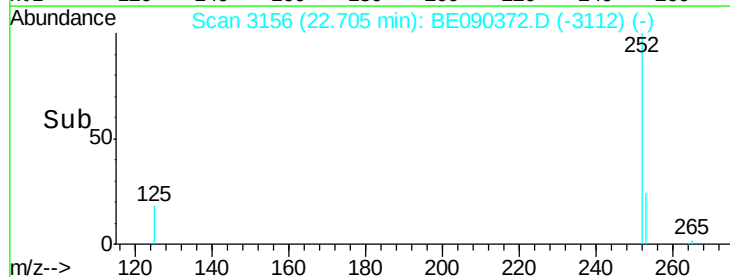
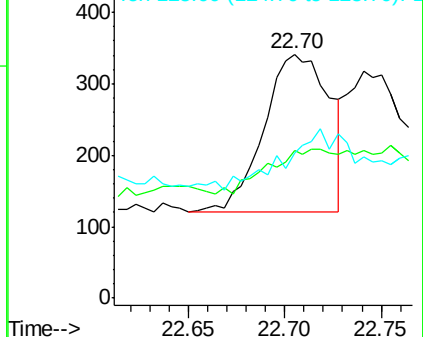
125 59.8 9.4 14.2#

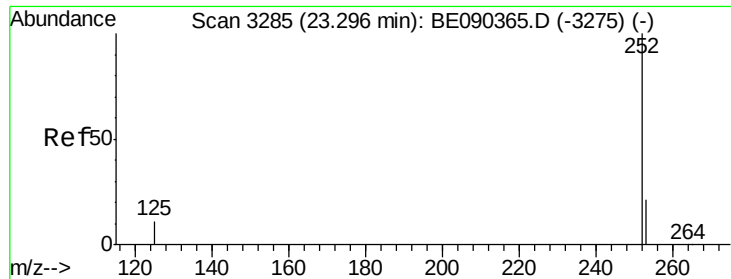


Abundance Ion 252.00 (251.70 to 252.70): E

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# 3287

Delta R.T. 0.01 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B

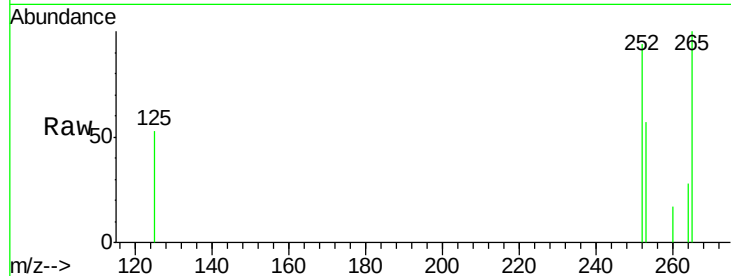
Tgt Ion: 252 Resp: 447

Ion Ratio Lower Upper

252 100

253 61.1 17.6 26.4#

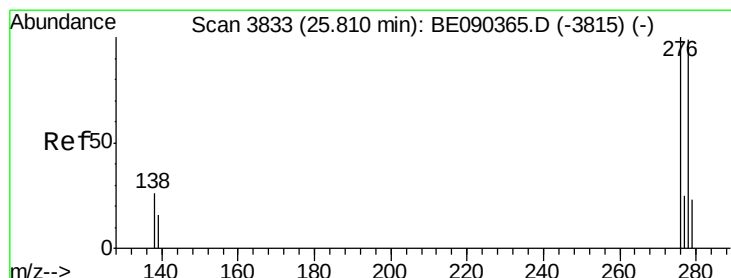
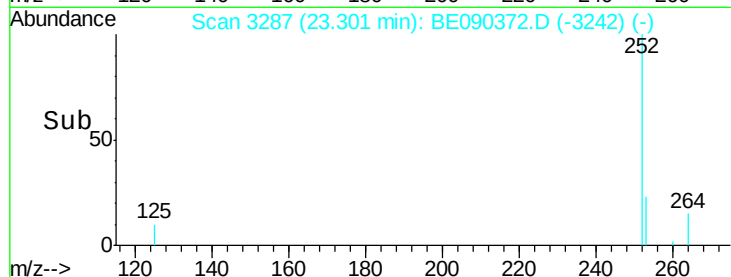
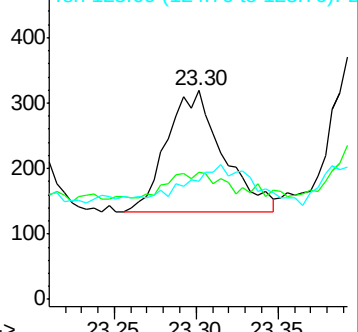
125 56.4 9.8 14.6#



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: 25.80 min Scan# 3833

Delta R.T. -0.00 min

Lab File: BE090372.D

Acq: 5 Aug 2015 22:55

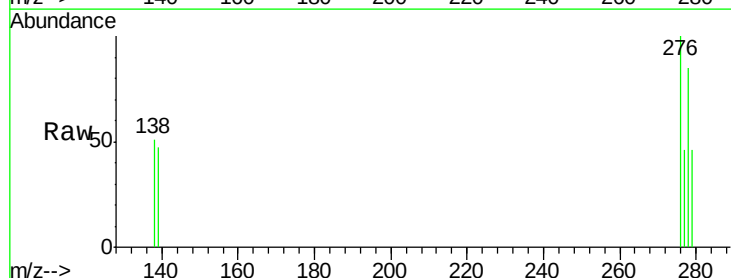
Tgt Ion: 278 Resp: 475

Ion Ratio Lower Upper

278 100

139 55.4 14.2 21.4#

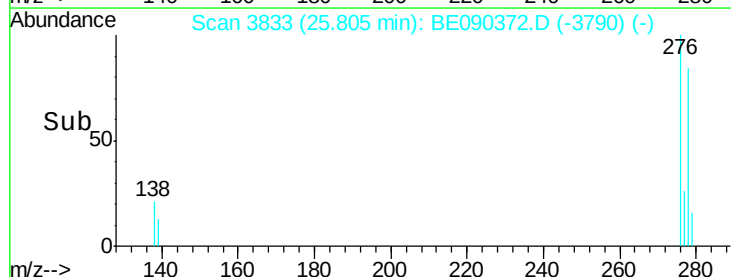
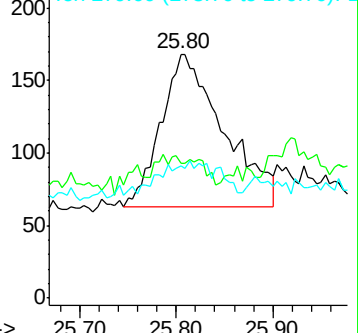
279 54.2 20.1 30.1#

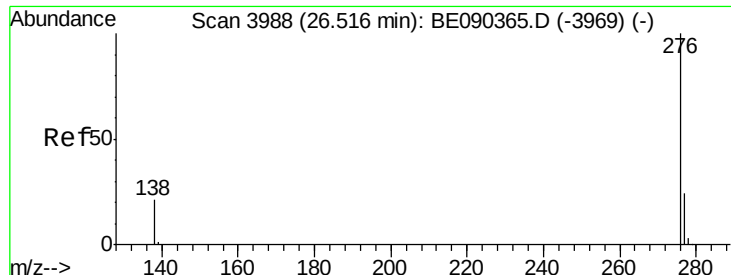


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.52 min Scan# 3990

Delta R.T. 0.00 min

Lab File: BE090372.D

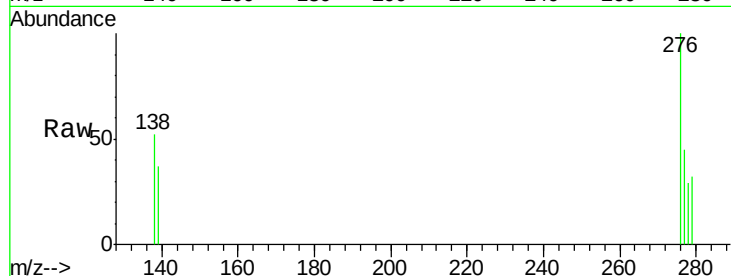
Acq: 5 Aug 2015 22:55

Instrument :

BNA_E

ClientSampleId :

080315-D506-F-D-B



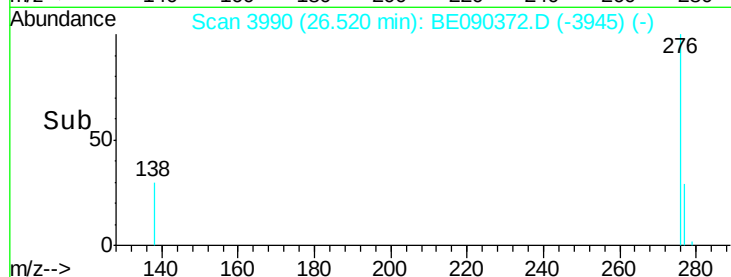
Tgt Ion: 276 Resp: 697

Ion Ratio Lower Upper

276 100

277 45.3 20.1 30.1#

138 51.6 18.1 27.1#



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

