

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090487.D
 Acq On : 13 Aug 2015 3:10
 Operator : UM/IZ
 Sample : PB84984BL
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 03:48:55 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	18310	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	83782	5.00	ng	0.00
12) Acenaphthene-d10	14.20	164	48860	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	117265	5.00	ng	0.00
25) Chrysene-d12	21.09	240	127920	5.00	ng	0.00
32) Perylene-d12	23.40	264	111449	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	30671	11.16	ng	0.00
5) Phenol-d6	6.77	99	45117	7.58	ng	0.00
7) Nitrobenzene-d5	8.73	82	19853	2.99	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	10336	7.24	ng	0.00
14) 2-Fluorobiphenyl	12.83	172	47918	3.57	ng	0.00
27) Terphenyl-d14	19.55	244	82806	4.39	ng	-0.01

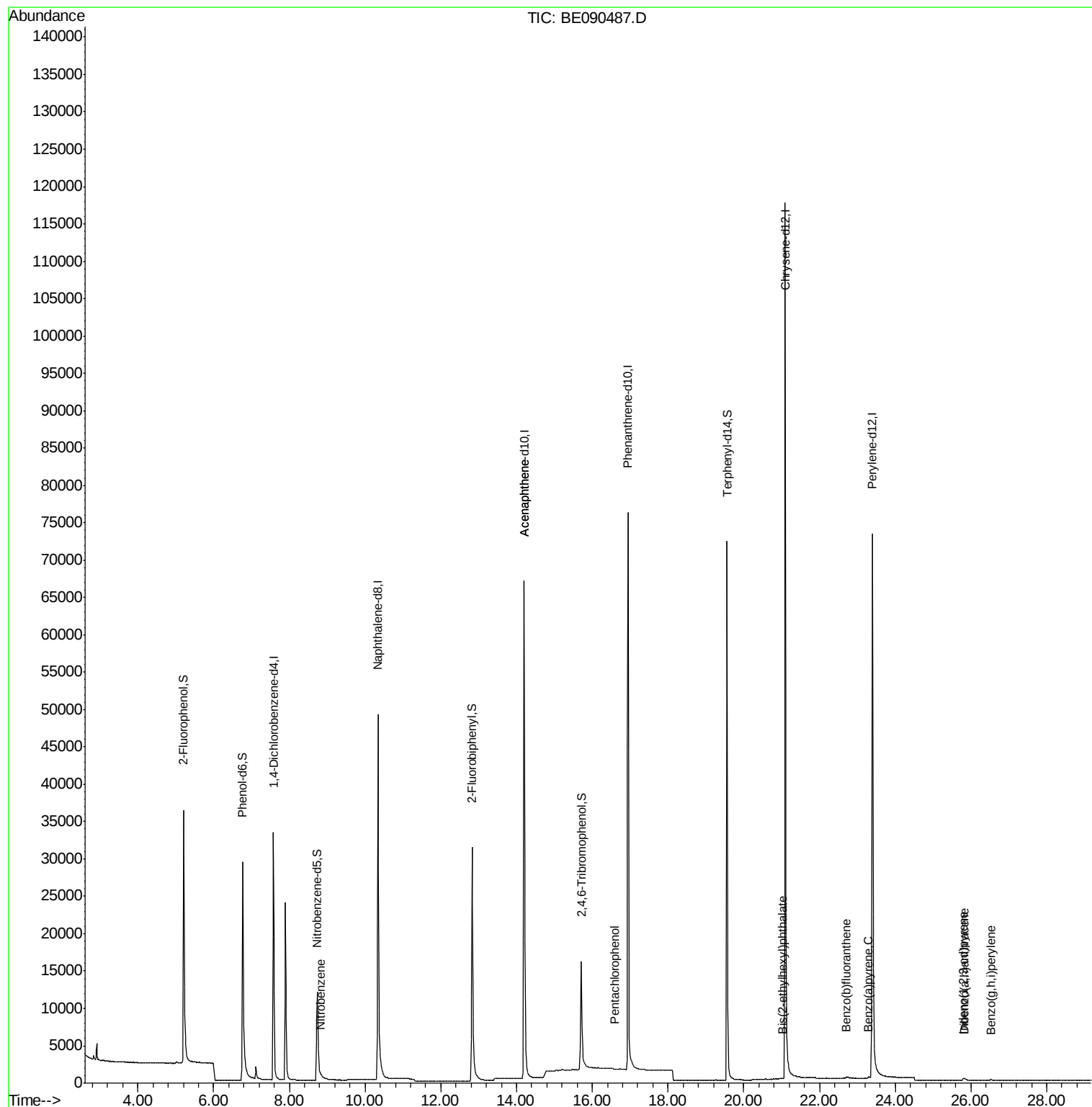
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Nitrobenzene	8.83	77	5	0.21	ng	# 69
10) Hexachlorobutadiene	10.67	225	5	Below Cal		# 36
16) Acenaphthene	14.19	154	256	0.02	ng	# 1
21) Pentachlorophenol	16.60	266	7	0.10	ng	# 67
30) Bis(2-ethylhexyl)phthalate	21.03	149	65	0.12	ng	# 64
31) Indeno(1,2,3-cd)pyrene	25.79	276	197	0.26	ng	# 82
33) Benzo(b)fluoranthene	22.70	252	245	0.20	ng	# 1
35) Benzo(a)pyrene	23.29	252	290	0.24	ng	# 4
36) Dibenzo(a,h)anthracene	25.82	278	303	0.30	ng	# 29
37) Benzo(g,h,i)perylene	26.52	276	440	0.02	ng	# 44

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

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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



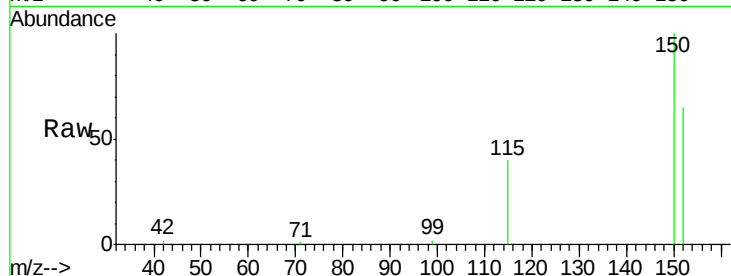


#1

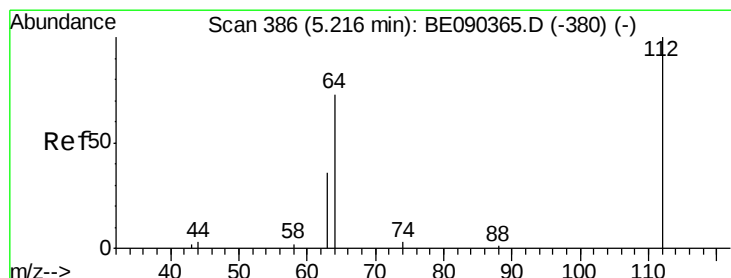
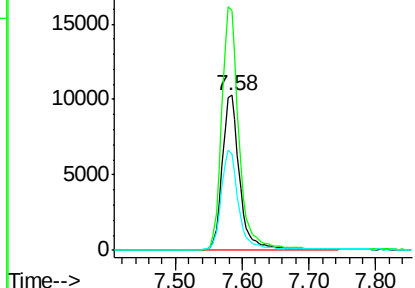
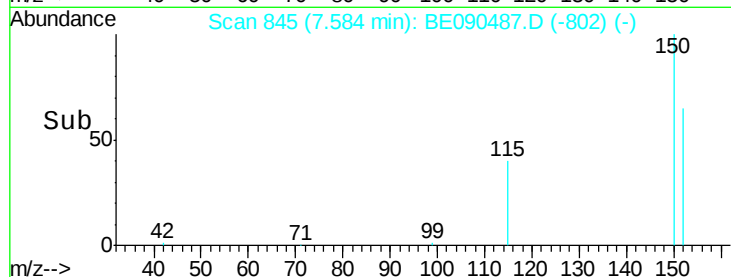
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.58 min Scan# 845
Delta R.T. -0.01 min
Lab File: BE090487.D
Acq: 13 Aug 2015 3:10

Instrument :
BNA_E
ClientSampleId :

Tot Ion:152 Resp: 18310
Ion Ratio Lower Upper
152 100
150 154.3 123.0 184.4
115 62.1 48.9 73.3



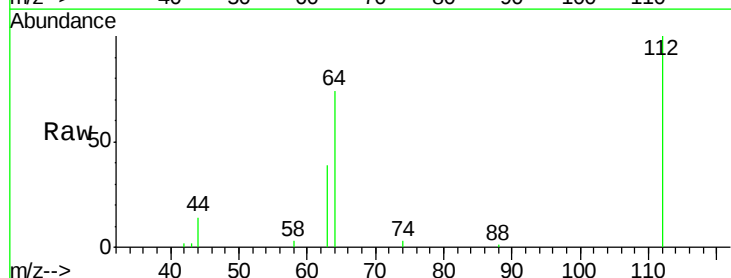
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



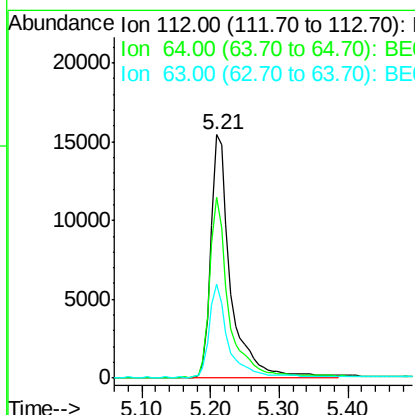
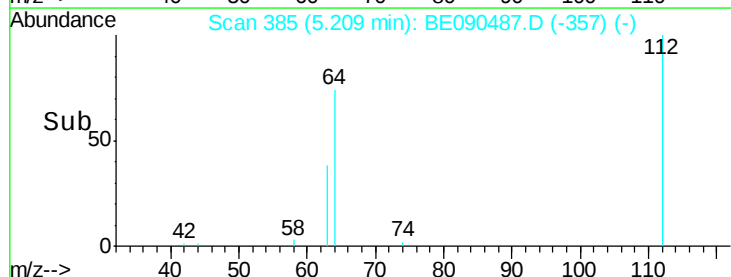
#4

2-Fluorophenol
Concen: 11.16 ng
RT: 5.21 min Scan# 385
Delta R.T. -0.01 min
Lab File: BE090487.D
Acq: 13 Aug 2015 3:10

Tgt Ion:112 Resp: 30671
Ion Ratio Lower Upper
112 100
64 71.3 37.1 55.7#
63 36.4 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BE0
Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 7.58 ng

RT: 6.77 min Scan# 666

Delta R.T. -0.01 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

Instrument :

BNA_E

ClientSampled :

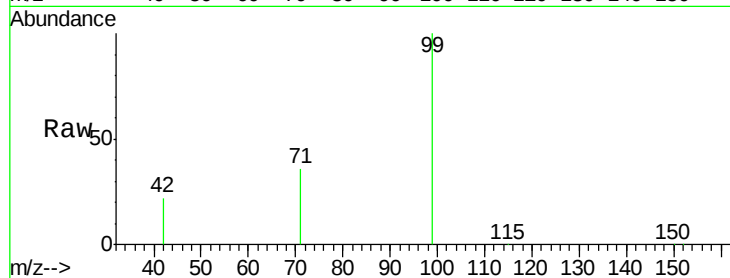
Tot Ion: 99 Resp: 45117

Ion Ratio Lower Upper

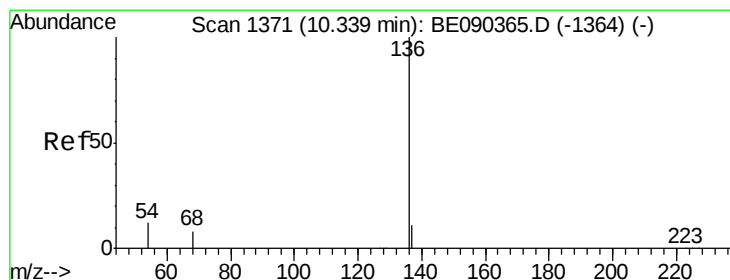
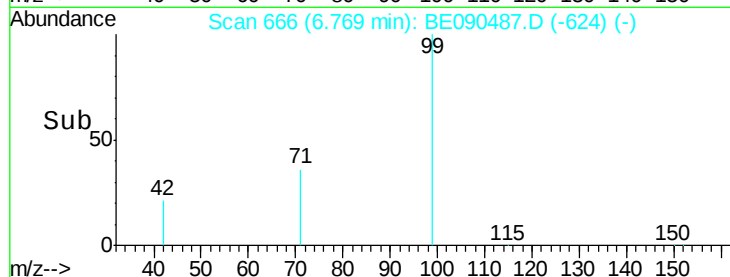
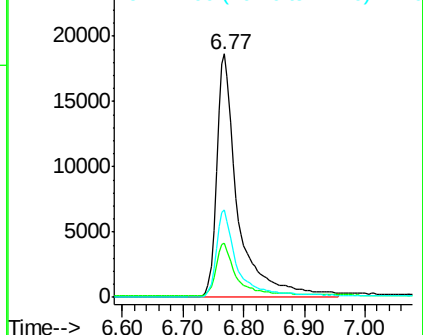
99 100

42 21.6 18.2 27.4

71 35.2 27.4 41.0



Abundance Ion 99.00 (98.70 to 99.70): BE0
Ion 42.00 (41.70 to 42.70): BE0
Ion 71.00 (70.70 to 71.70): BE0



#6

Naphthalene-d8

Concen: 5.00 ng

RT: 10.34 min Scan# 1371

Delta R.T. -0.00 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

Tgt Ion: 136 Resp: 83782

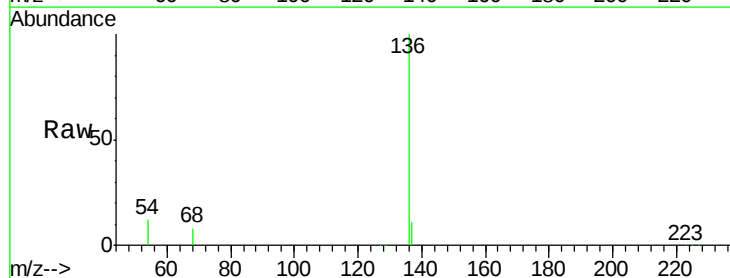
Ion Ratio Lower Upper

136 100

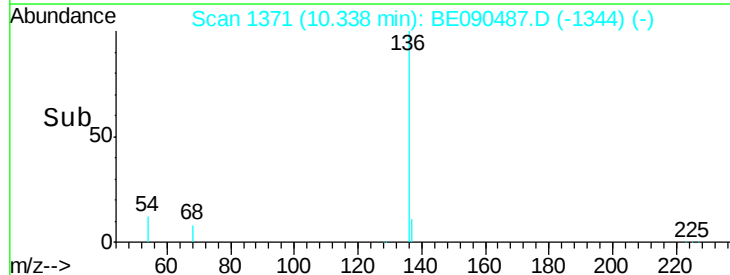
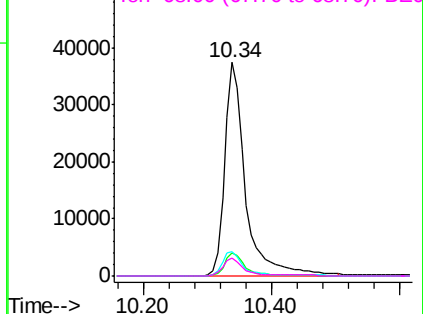
137 11.0 8.7 13.1

54 11.7 9.4 14.0

68 8.3 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: 2.99 ng

RT: 8.73 min Scan# 1093

Delta R.T. -0.00 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

Instrument :

BNA_E

ClientSampleId :

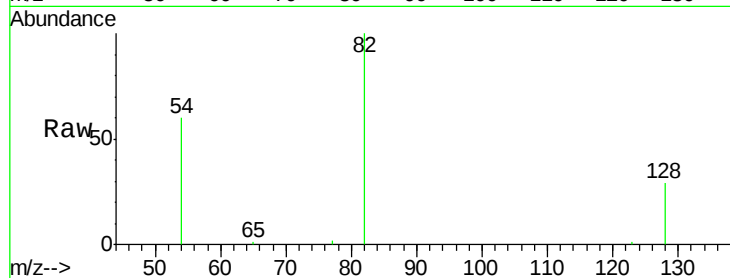
Tot Ion: 82 Resp: 19853

Ion Ratio Lower Upper

82 100

128 29.4 25.0 37.6

54 59.6 48.8 73.2



Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): BE0

Ion 54.00 (53.70 to 54.70): BE0

8.73

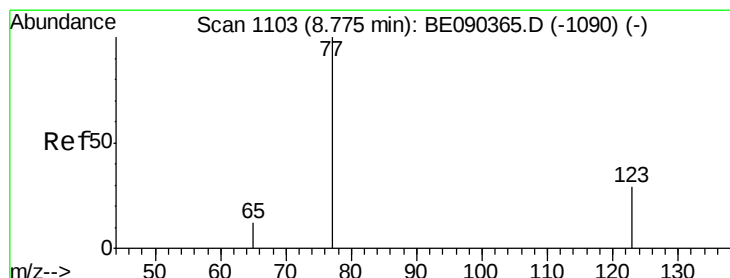
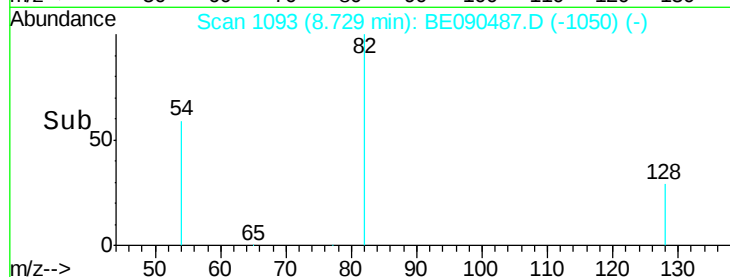
6000

4000

2000

0

Time--> 8.60 8.70 8.80 8.90



#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.83 min Scan# 1115

Delta R.T. 0.06 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

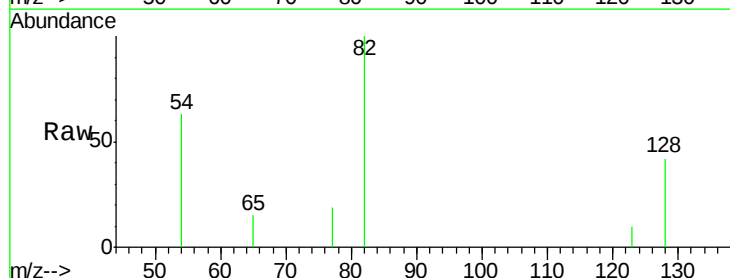
Tgt Ion: 77 Resp: 5

Ion Ratio Lower Upper

77 100

123 40.0 25.1 37.7#

65 40.0 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

8.83

120

100

80

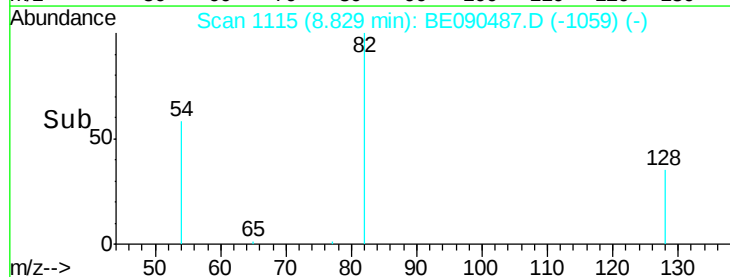
60

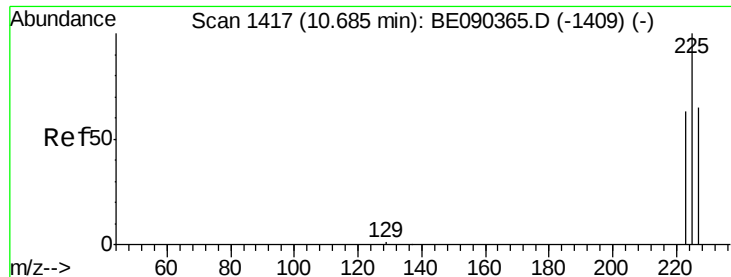
40

20

0

Time--> 8.80 8.82 8.84

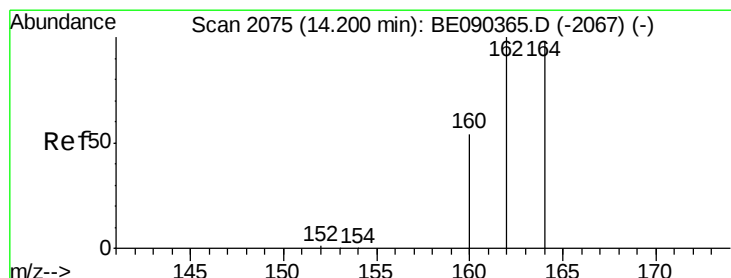
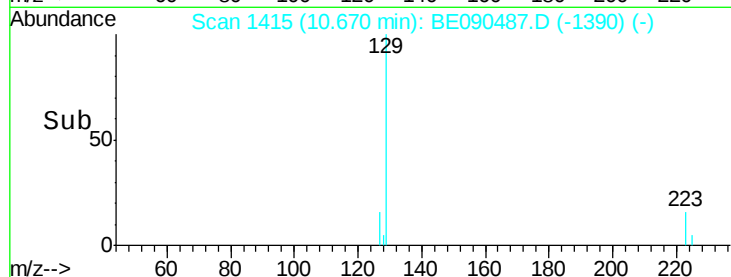
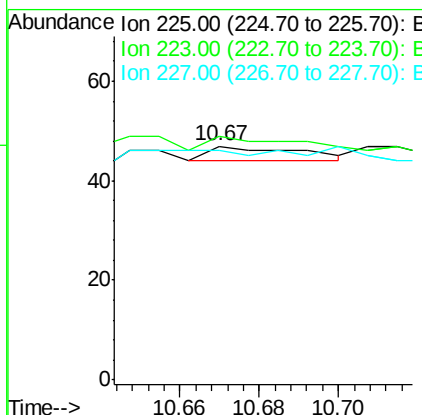
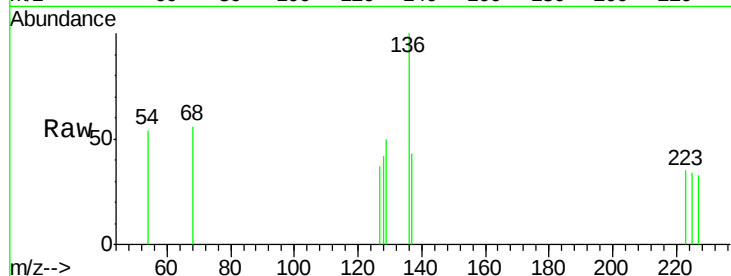




#10
Hexachlorobutadiene
Concen: Below Cal
RT: 10.67 min Scan# 1415
Delta R.T. -0.02 min
Lab File: BE090487.D
Acq: 13 Aug 2015 3:10

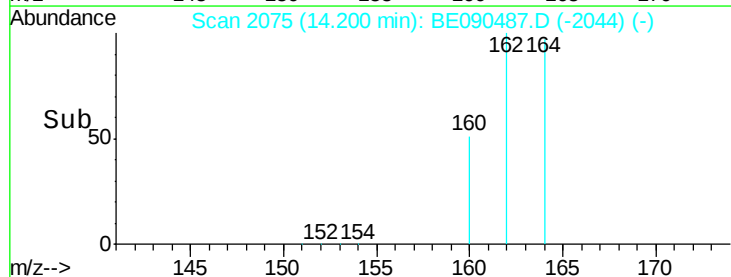
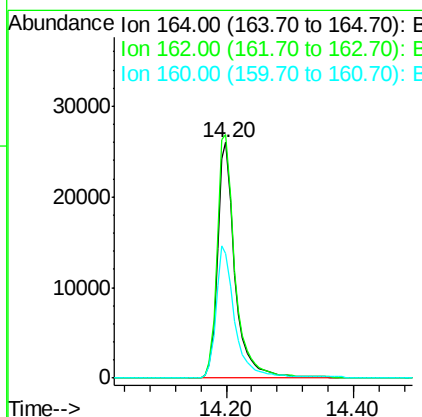
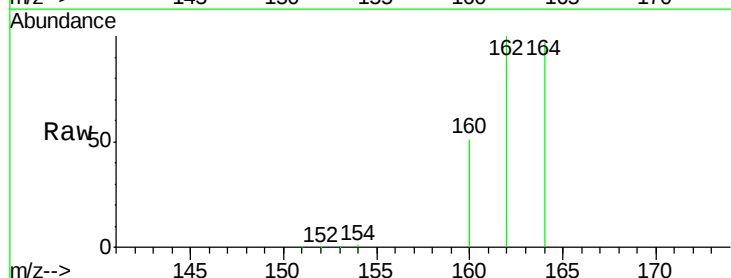
Instrument :
BNA_E
ClientSampleId :

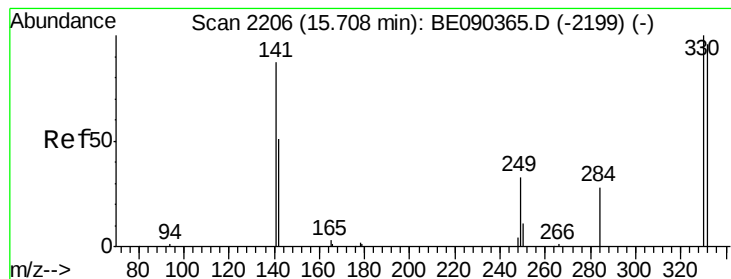
Tot Ion: 225 Resp: 5
Ion Ratio Lower Upper
225 100
223 100.0 50.6 75.8#
227 0.0 50.7 76.1#



#12
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.20 min Scan# 2075
Delta R.T. -0.00 min
Lab File: BE090487.D
Acq: 13 Aug 2015 3:10

Tgt Ion: 164 Resp: 48860
Ion Ratio Lower Upper
164 100
162 103.3 81.8 122.8
160 52.6 44.2 66.4





#13

2,4,6-Tribromophenol

Concen: 7.24 ng

RT: 15.71 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

Instrument :

BNA_E

ClientSampled :

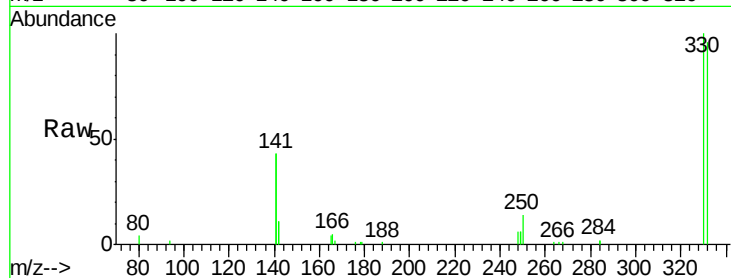
Tot Ion:330 Resp: 10336

Ion Ratio Lower Upper

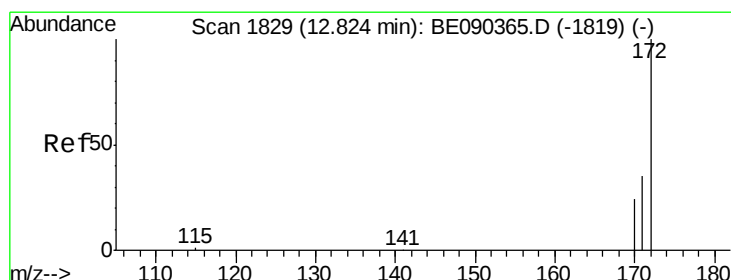
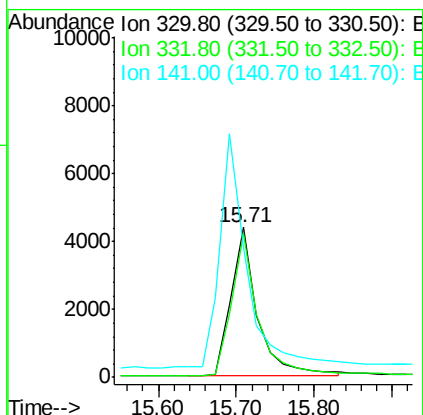
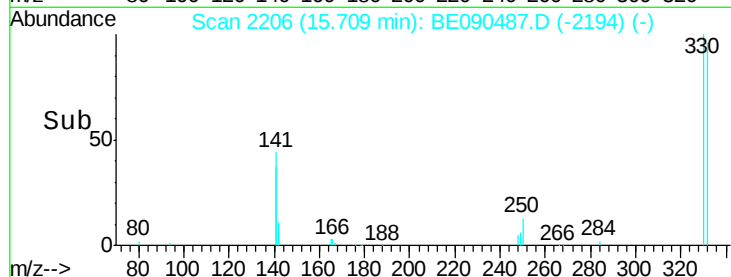
330 100

332 96.6 75.8 113.6

141 160.8 114.4 171.6



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: 3.57 ng

RT: 12.83 min Scan# 1829

Delta R.T. 0.00 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

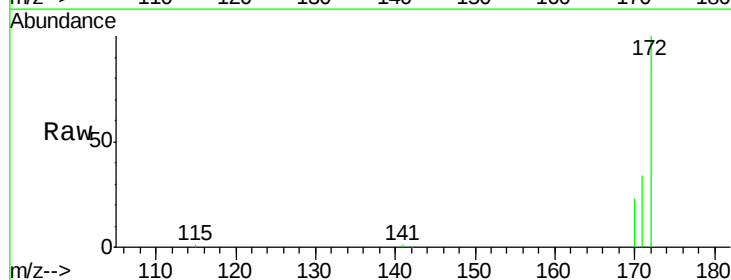
Tgt Ion:172 Resp: 47918

Ion Ratio Lower Upper

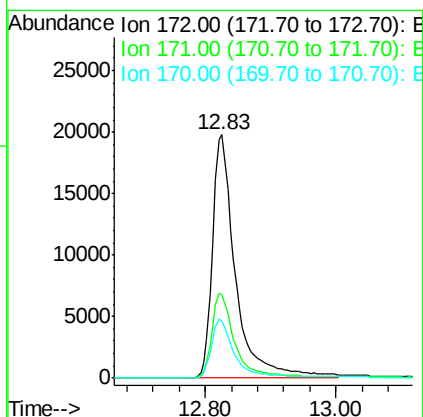
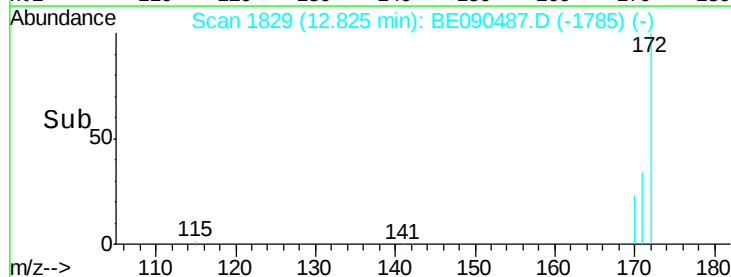
172 100

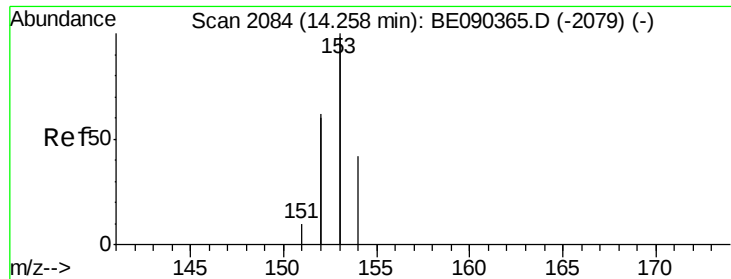
171 34.3 28.5 42.7

170 23.3 19.8 29.8



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#16

Acenaphthene

Concen: 0.02 ng

RT: 14.19 min Scan# 2074

Delta R.T. -0.07 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

Instrument :

BNA_E

ClientSampleId :

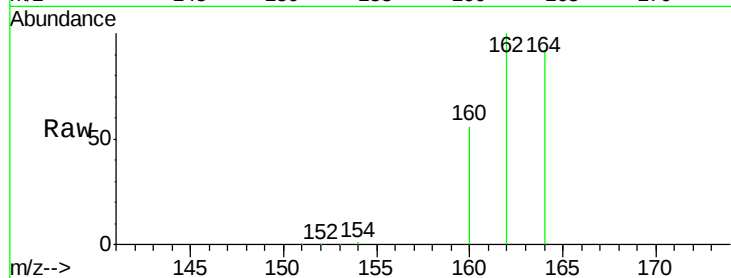
Tot Ion:154 Resp: 256

Ion Ratio Lower Upper

154 100

153 34.4 376.2 564.2#

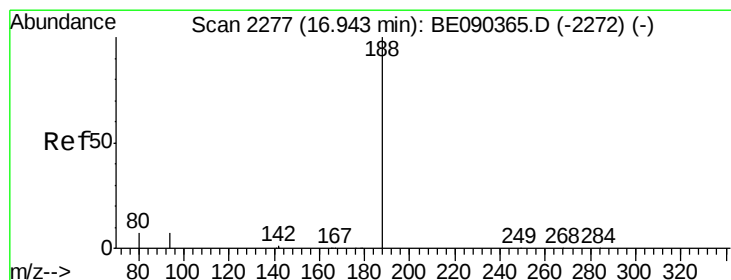
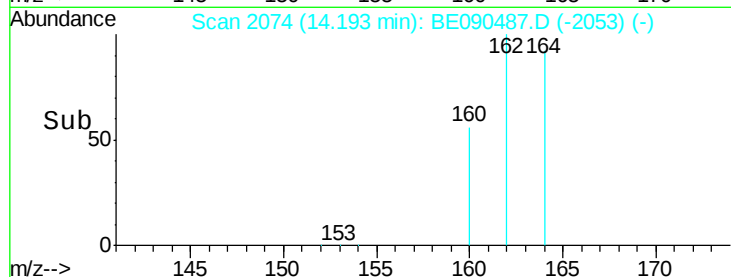
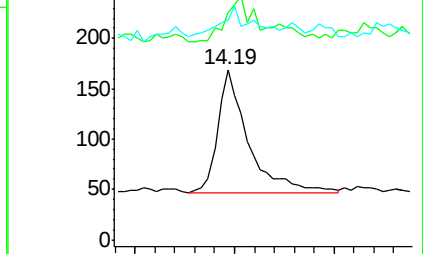
152 16.0 235.0 352.4#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.94 min Scan# 2277

Delta R.T. 0.00 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

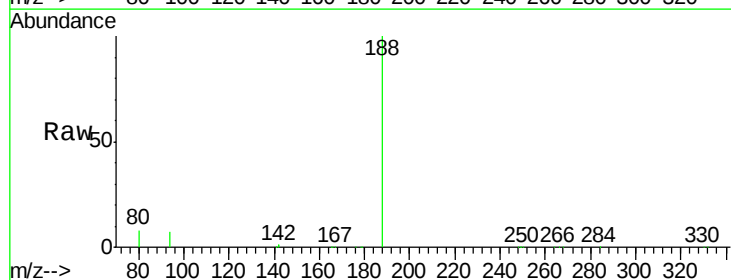
Tgt Ion:188 Resp: 117265

Ion Ratio Lower Upper

188 100

94 7.3 5.7 8.5

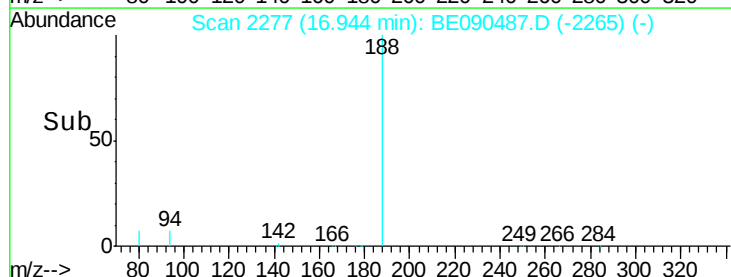
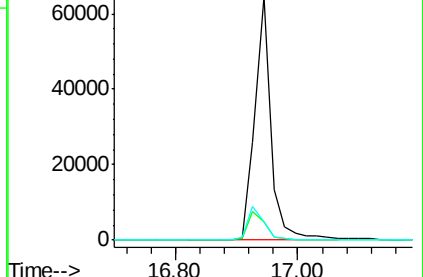
80 7.5 5.8 8.8

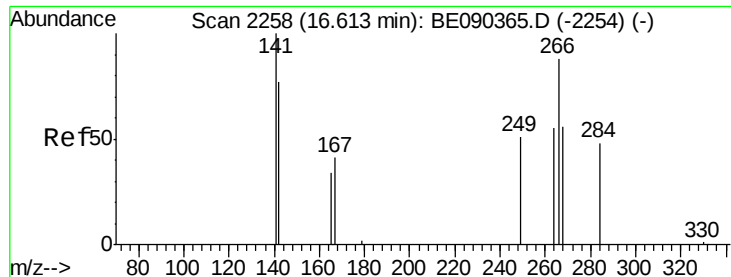


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#21

Pentachlorophenol

Concen: 0.10 ng

RT: 16.60 min Scan# 2257

Delta R.T. -0.02 min

Lab File: BE090487.D

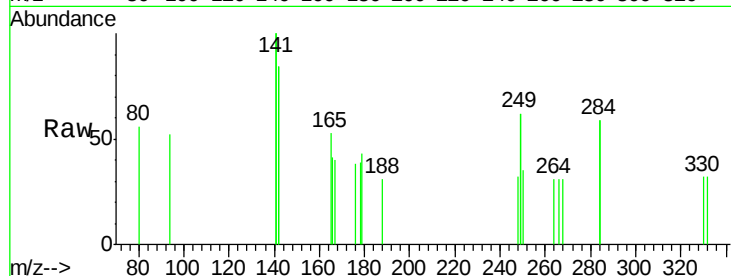
Acq: 13 Aug 2015 3:10

Instrument :

BNA_E

ClientSampled :

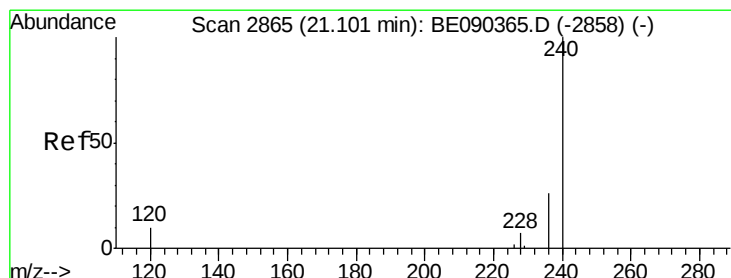
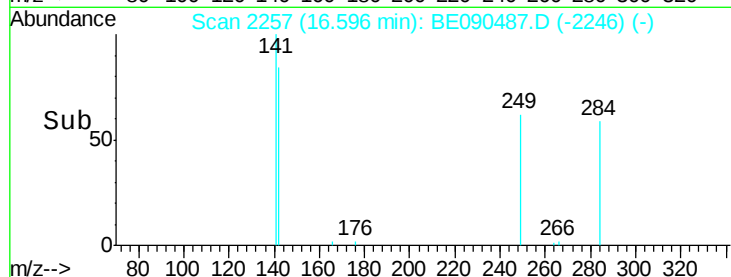
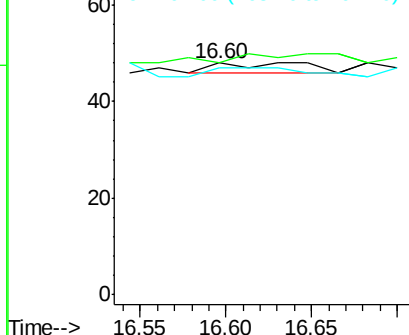
Tot Ion:	266	Resp:	7
Ion	Ratio	Lower	Upper
266	100		
268	100.0	58.5	87.7#
264	97.9	56.0	84.0#



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

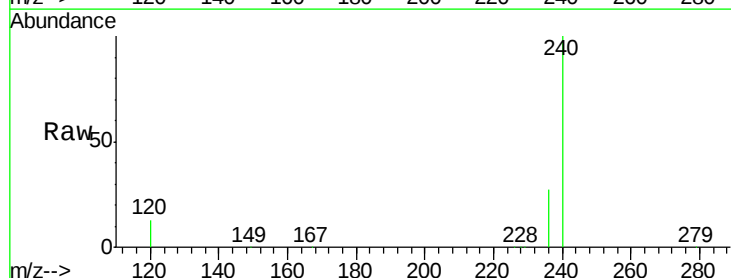
RT: 21.09 min Scan# 2864

Delta R.T. -0.01 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

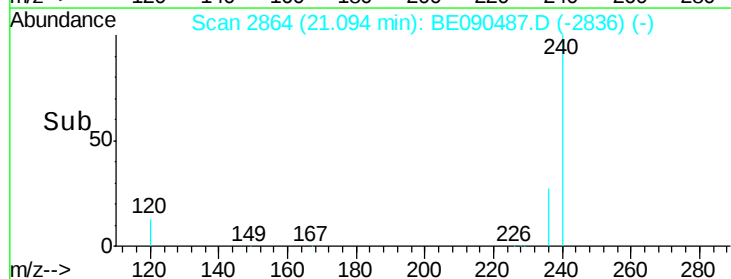
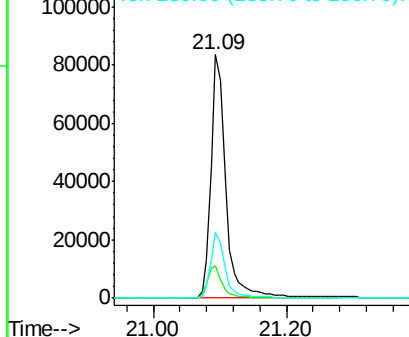
Tgt Ion:	240	Resp:	127920
Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.3	12.5#
236	27.0	21.0	31.4

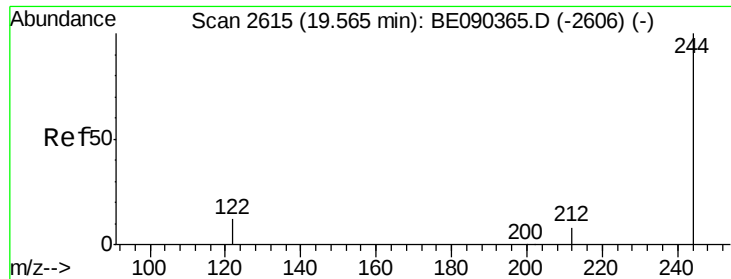


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

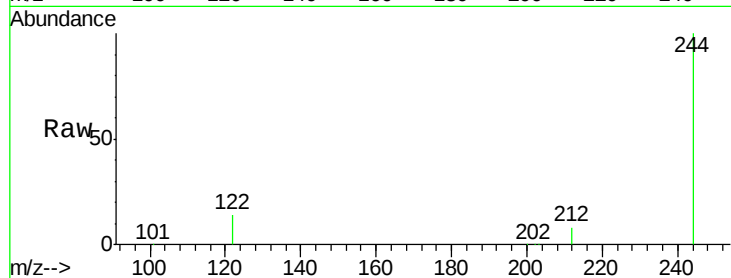




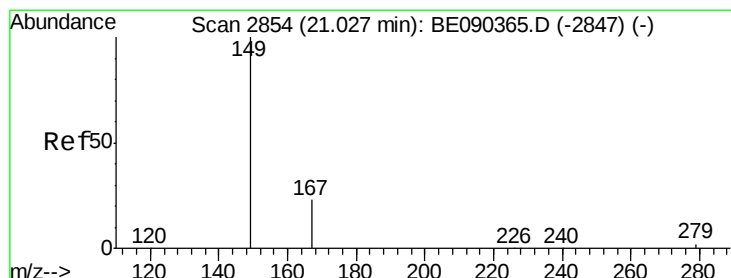
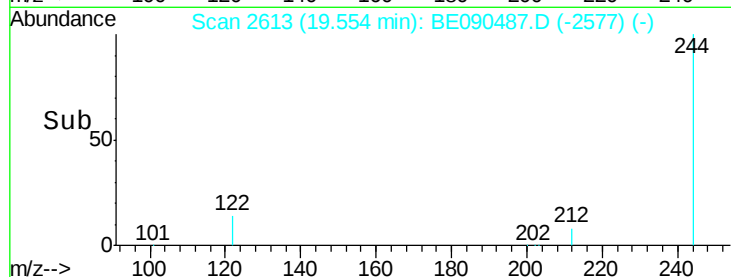
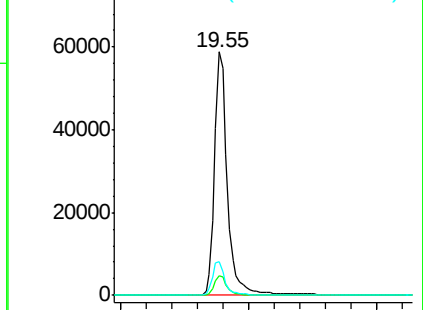
#27
 Terphenyl-d14
 Concen: 4.39 ng
 RT: 19.55 min Scan# 2613
 Delta R.T. -0.01 min
 Lab File: BE090487.D
 Acq: 13 Aug 2015 3:10

Instrument :
 BNA_E
 ClientSampleId :

Tot Ion:244 Resp: 82806
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.6 9.8
 122 14.0 10.2 15.4

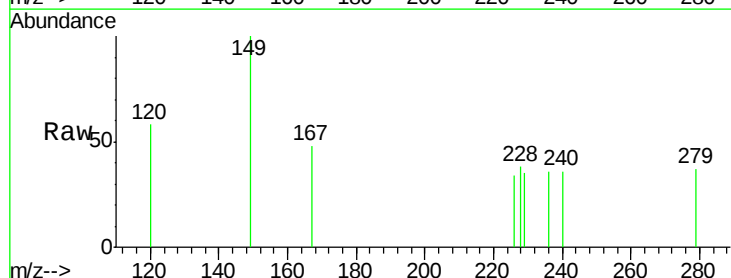


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

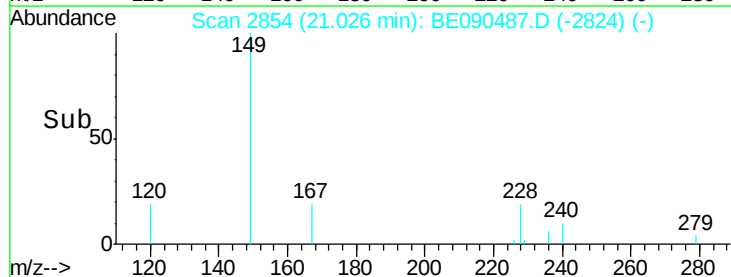
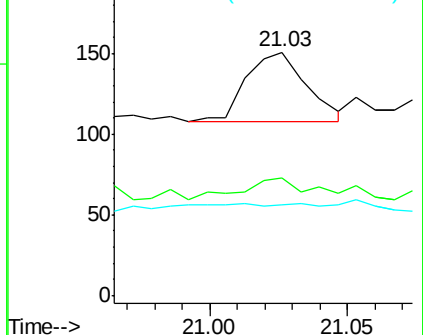


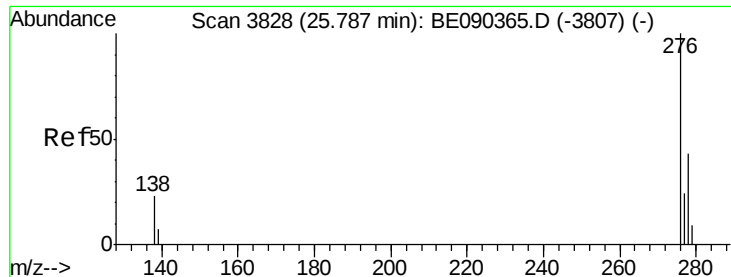
#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.12 ng
 RT: 21.03 min Scan# 2854
 Delta R.T. 0.00 min
 Lab File: BE090487.D
 Acq: 13 Aug 2015 3:10

Tgt Ion:149 Resp: 65
 Ion Ratio Lower Upper
 149 100
 167 43.1 19.8 29.8#
 279 12.3 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

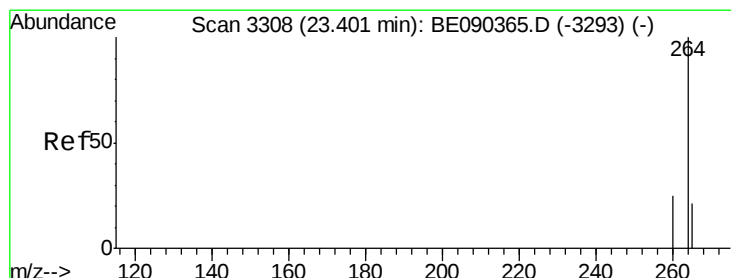
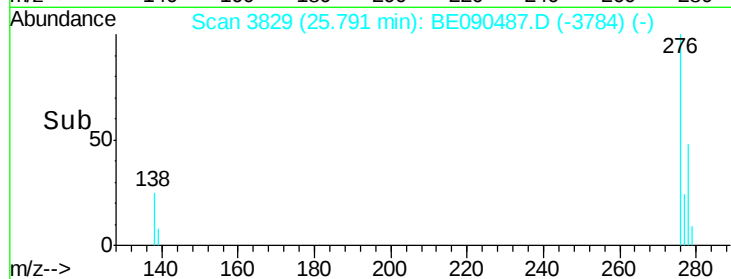
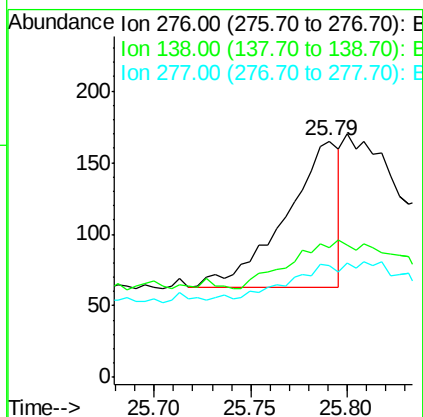
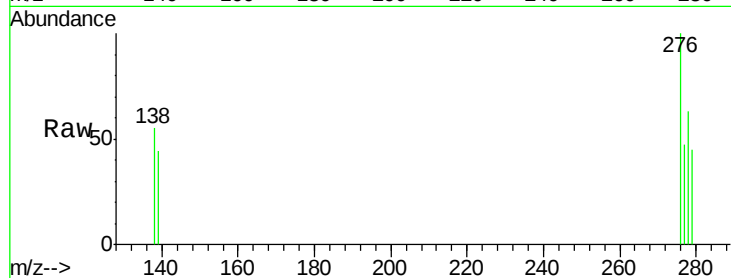




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.26 ng
RT: 25.79 min Scan# 3829
Delta R.T. 0.00 min
Lab File: BE090487.D
Acq: 13 Aug 2015 3:10

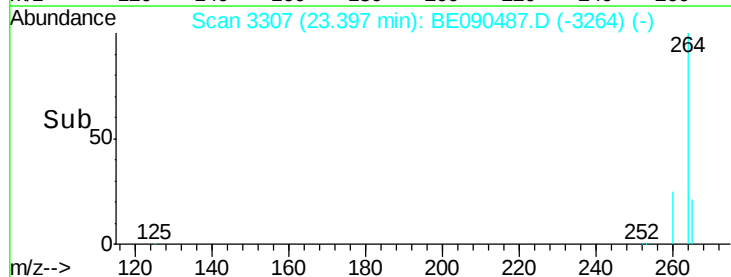
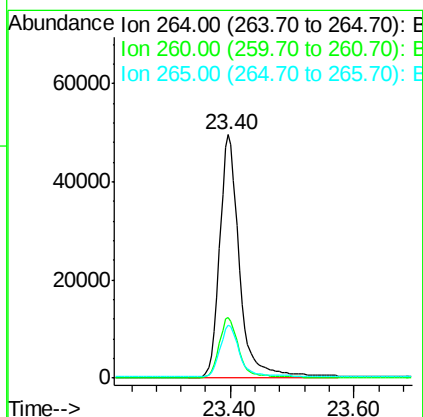
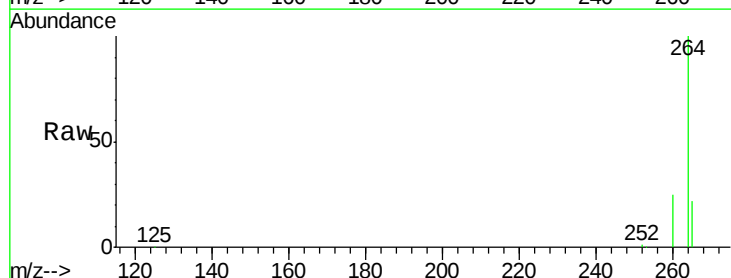
Instrument :
BNA_E
ClientSampleId :

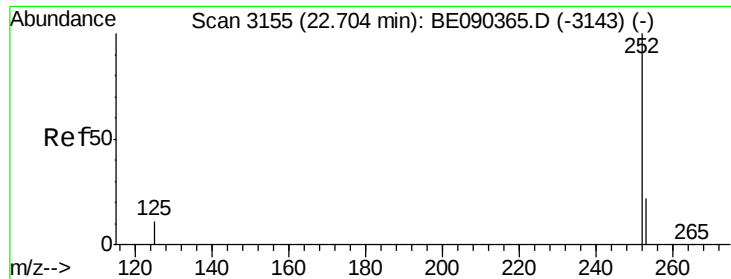
Tot Ion:276 Resp: 197
Ion Ratio Lower Upper
276 100
138 38.6 18.8 28.2#
277 20.8 18.2 27.4



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3307
Delta R.T. -0.00 min
Lab File: BE090487.D
Acq: 13 Aug 2015 3:10

Tgt Ion:264 Resp: 111449
Ion Ratio Lower Upper
264 100
260 25.1 20.1 30.1
265 21.8 17.2 25.8





#33

Benzo(b)fluoranthene

Concen: 0.20 ng

RT: 22.70 min Scan# 3155

Delta R.T. 0.00 min

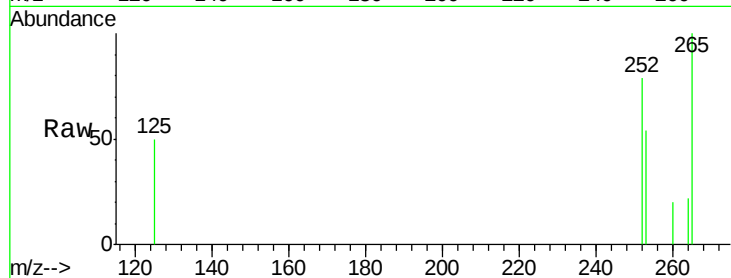
Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

Instrument :

BNA_E

ClientSampleId :



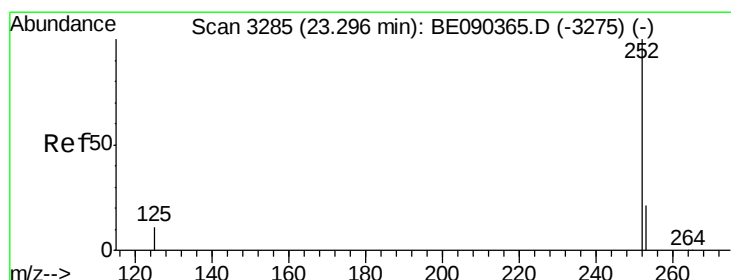
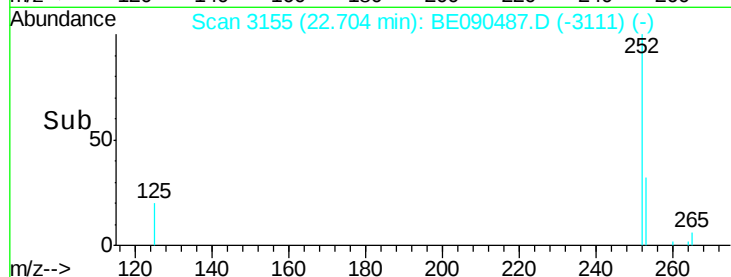
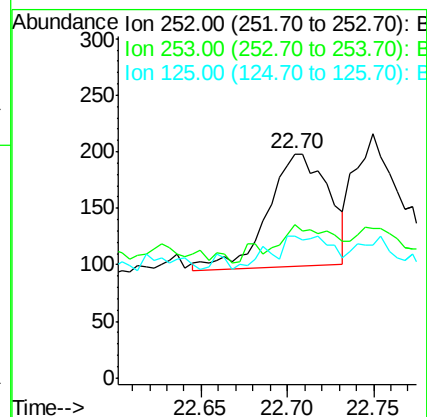
Tot Ion: 252 Resp: 245

Ion Ratio Lower Upper

252 100

253 68.7 18.1 27.1#

125 63.1 9.4 14.2#



#35

Benzo(a)pyrene

Concen: 0.24 ng

RT: 23.29 min Scan# 3284

Delta R.T. -0.00 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

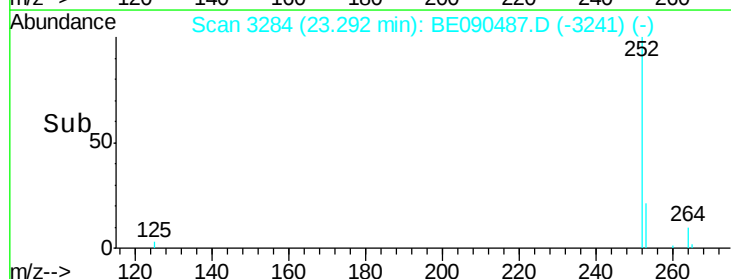
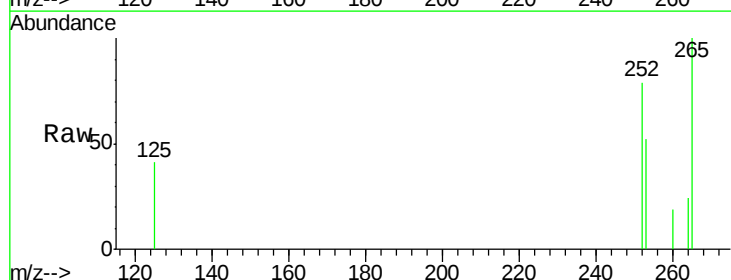
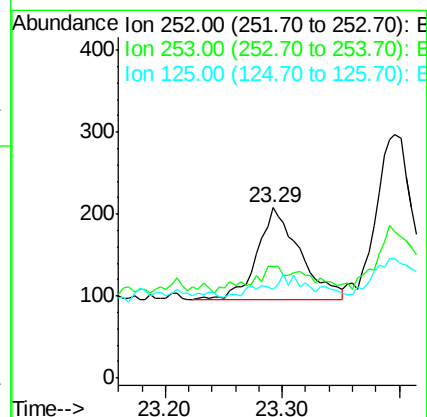
Tgt Ion: 252 Resp: 290

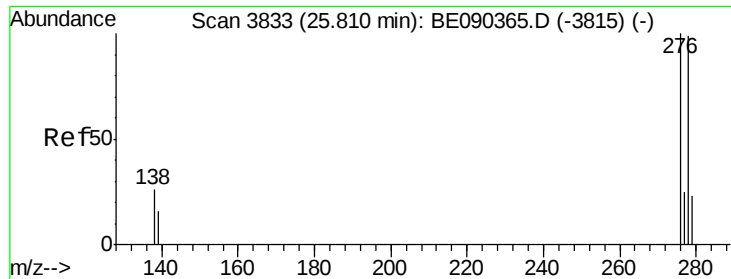
Ion Ratio Lower Upper

252 100

253 65.9 17.6 26.4#

125 52.4 9.8 14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.30 ng

RT: 25.82 min Scan# 3835

Delta R.T. 0.01 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

Instrument :

BNA_E

ClientSampleId :

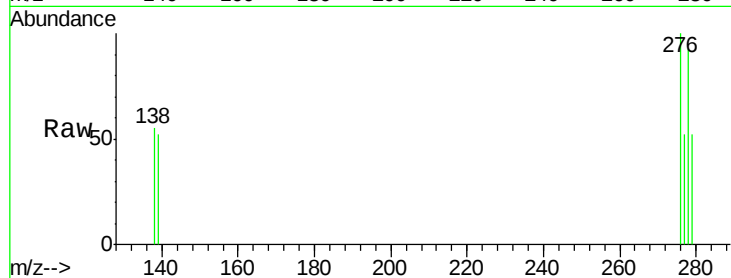
Tot Ion:278 Resp: 303

Ion Ratio Lower Upper

278 100

139 55.5 14.2 21.4#

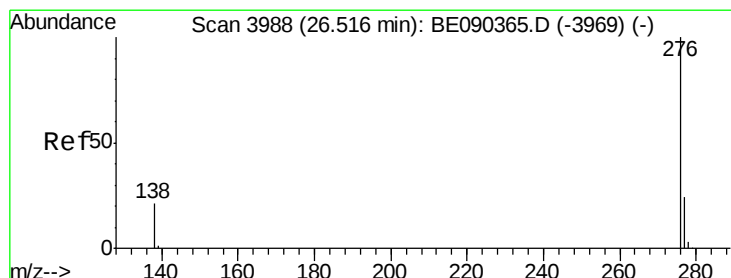
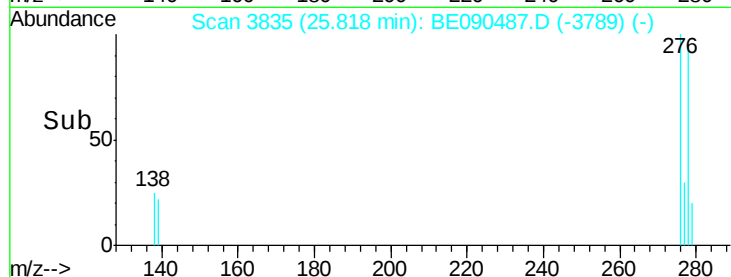
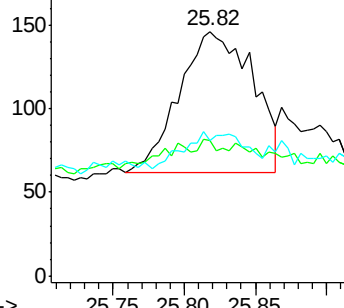
279 55.5 20.1 30.1#



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



#37

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.52 min Scan# 3989

Delta R.T. 0.00 min

Lab File: BE090487.D

Acq: 13 Aug 2015 3:10

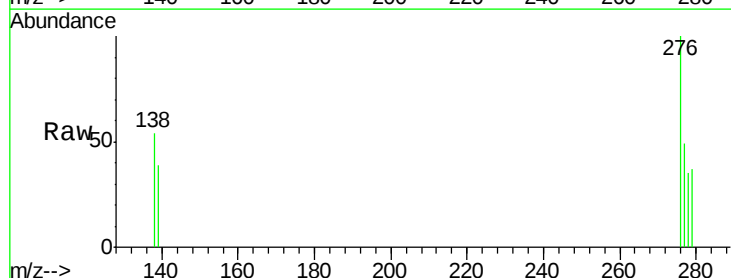
Tgt Ion:276 Resp: 440

Ion Ratio Lower Upper

276 100

277 49.4 20.1 30.1#

138 53.7 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

