

Data Path : Z:\HPCHEM1\BNA E\DATA\BE081215\
 Data File : BE090481.D
 Acq On : 12 Aug 2015 23:36
 Operator : UM/IZ
 Sample : G3251-02
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Aug 13 01:22:48 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	18731	5.00	ng	0.00
6) Naphthalene-d8	10.34	136	86654	5.00	ng	0.00
12) Acenaphthene-d10	14.19	164	51311	5.00	ng	0.00
18) Phenanthrene-d10	16.94	188	124540	5.00	ng	0.00
25) Chrysene-d12	21.09	240	139570	5.00	ng	0.00
32) Perylene-d12	23.40	264	124508	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	10819	3.85	ng	0.00
5) Phenol-d6	6.77	99	10051	1.85	ng	0.00
7) Nitrobenzene-d5	8.73	82	22833	3.31	ng	0.00
13) 2,4,6-Tribromophenol	15.71	330	10988	7.31	ng	0.00
14) 2-Fluorobiphenyl	12.82	172	57398	4.07	ng	0.00
27) Terphenyl-d14	19.55	244	115146	5.60	ng	-0.01

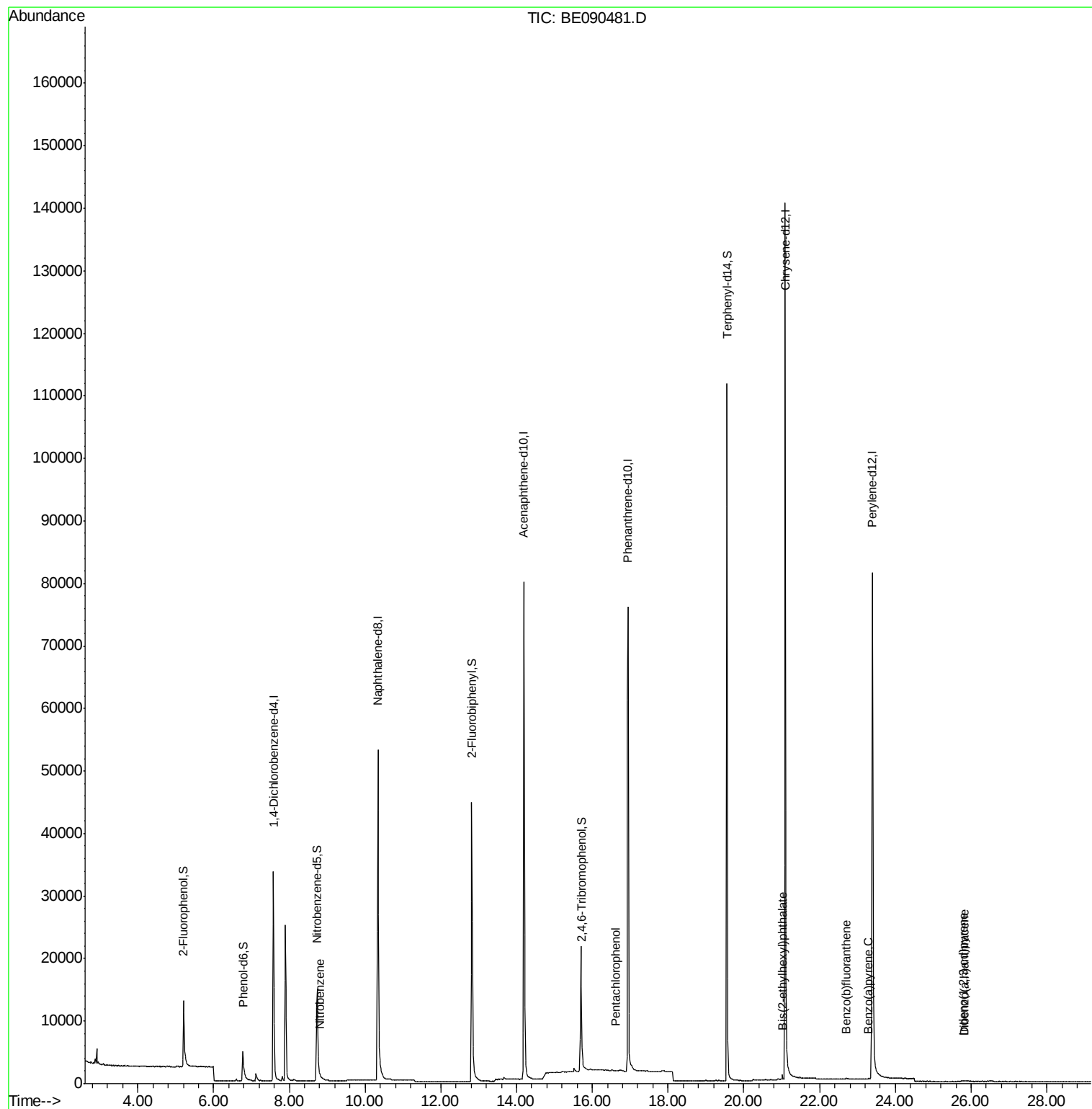
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	30	Below Cal	#	32
8) Nitrobenzene	8.81	77	8	0.21 ng	#	38
10) Hexachlorobutadiene	10.68	225	2	Below Cal	#	1
21) Pentachlorophenol	16.61	266	29	0.13 ng	#	63
30) Bis(2-ethylhexyl)phthalate	21.02	149	781	0.22 ng	#	99
31) Indeno(1,2,3-cd)pyrene	25.78	276	95	0.25 ng	#	81
33) Benzo(b)fluoranthene	22.70	252	128	0.20 ng	#	1
35) Benzo(a)pyrene	23.29	252	123	0.23 ng	#	1
36) Dibenzo(a,h)anthracene	25.81	278	208	0.29 ng	#	1

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

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Quant Time: Aug 13 01:22:48 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE080515.M
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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: BE090481.D

Acq: 12 Aug 2015 23:36

Instrument :

BNA_E

ClientSampleId :

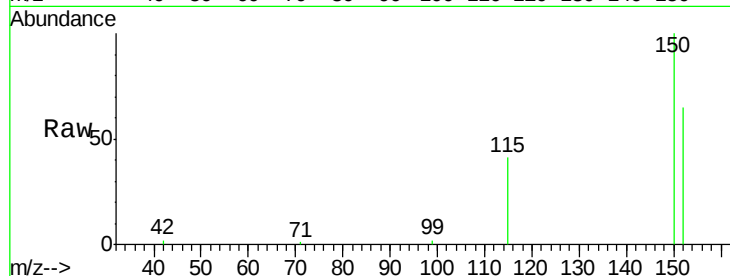
Tot Ion:152 Resp: 18731

Ion Ratio Lower Upper

152 100

150 153.6 123.0 184.4

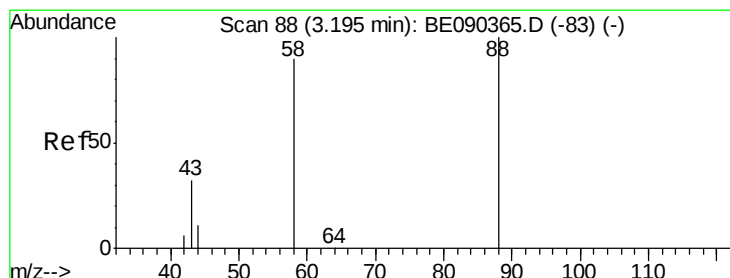
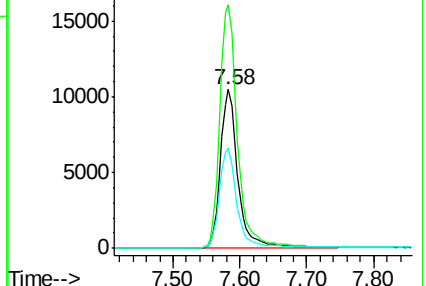
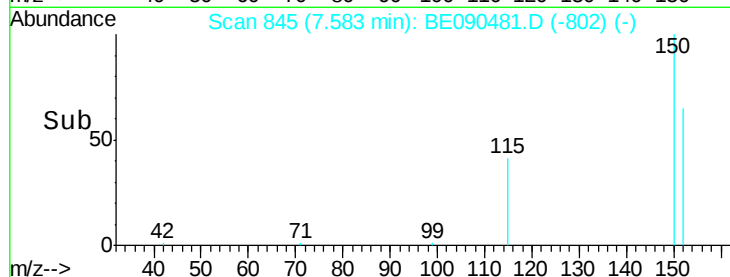
115 62.9 48.9 73.3



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: 3.26 min Scan# 97

Delta R.T. 0.06 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

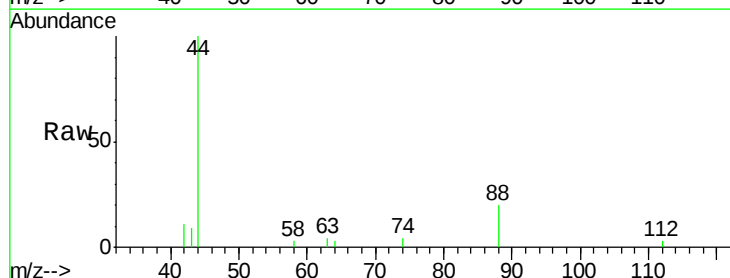
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

58 10.0 70.0 105.0#

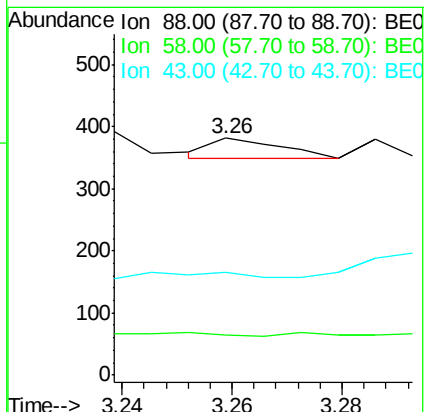
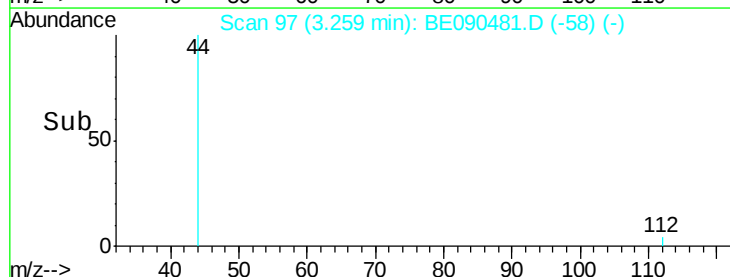
43 53.3 28.4 42.6#



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: 3.85 ng

RT: 5.21 min Scan# 385

Delta R.T. -0.00 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

Instrument :

BNA_E

ClientSampleId :

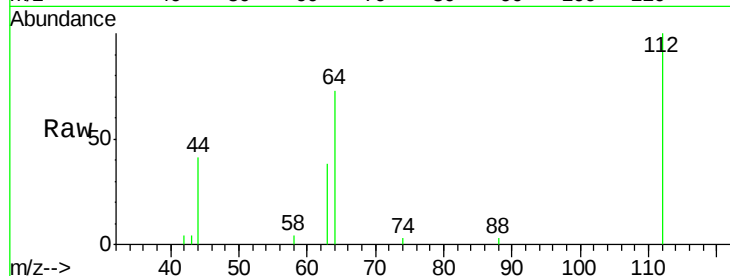
Tot Ion:112 Resp: 10819

Ion Ratio Lower Upper

112 100

64 71.2 37.1 55.7#

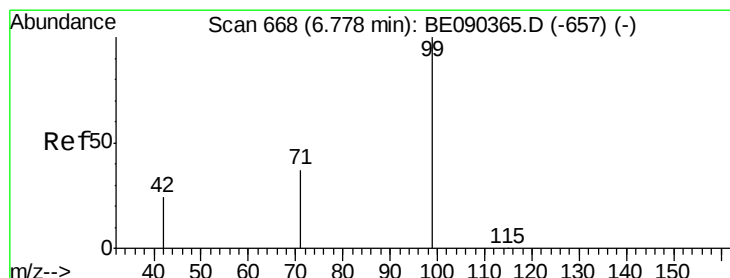
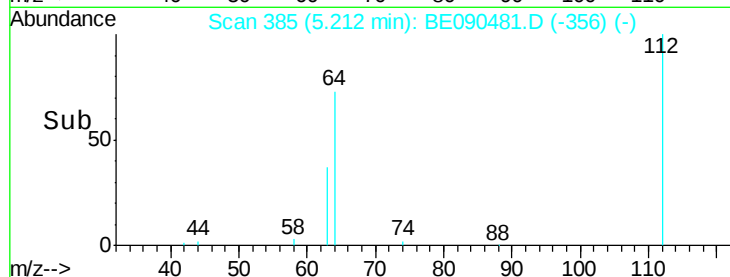
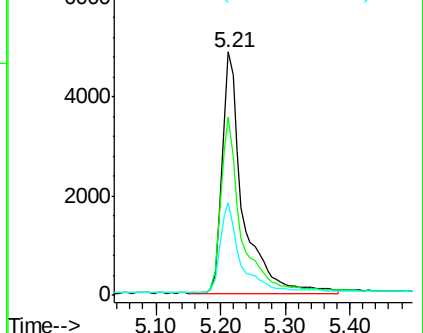
63 36.5 19.5 29.3#



Abundance Ion 112.00 (111.70 to 112.70): BE090481.D (-356) (-)

Ion 64.00 (63.70 to 64.70): BE090481.D (-356) (-)

Ion 63.00 (62.70 to 63.70): BE090481.D (-356) (-)



#5

Phenol-d6

Concen: 1.85 ng

RT: 6.77 min Scan# 667

Delta R.T. -0.01 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

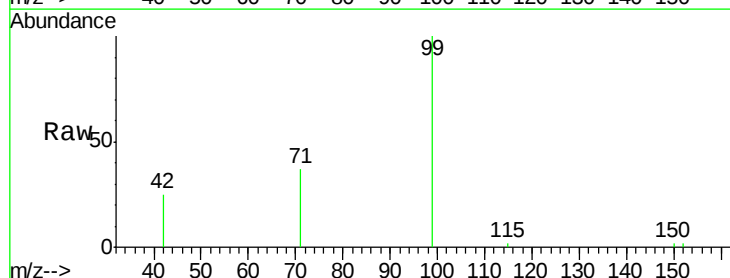
Tgt Ion: 99 Resp: 10051

Ion Ratio Lower Upper

99 100

42 20.3 18.2 27.4

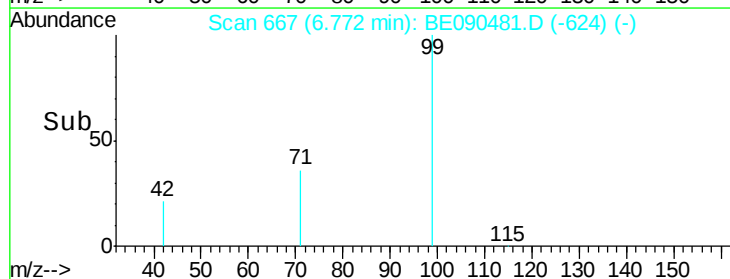
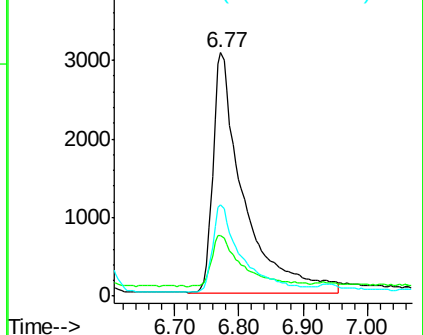
71 35.0 27.4 41.0

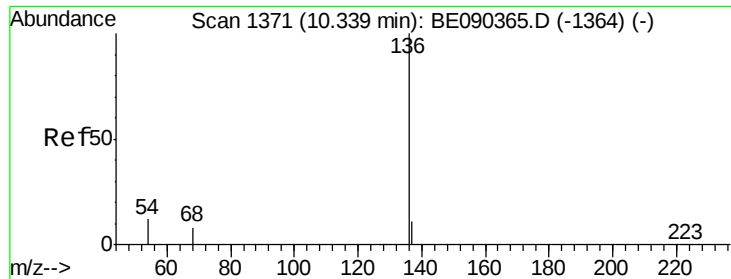


Abundance Ion 99.00 (98.70 to 99.70): BE090481.D (-624) (-)

Ion 42.00 (41.70 to 42.70): BE090481.D (-624) (-)

Ion 71.00 (70.70 to 71.70): BE090481.D (-624) (-)

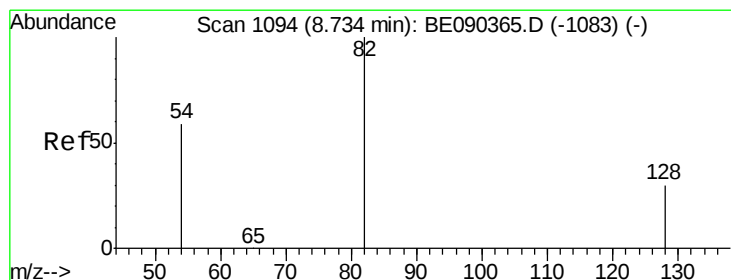
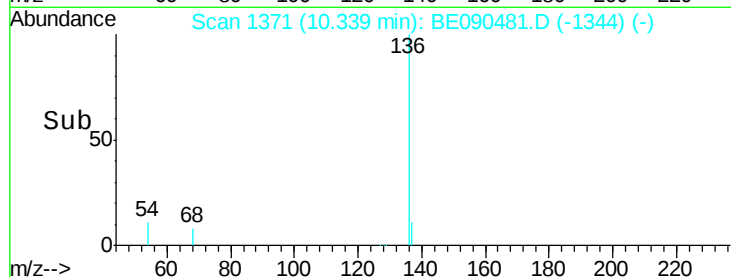
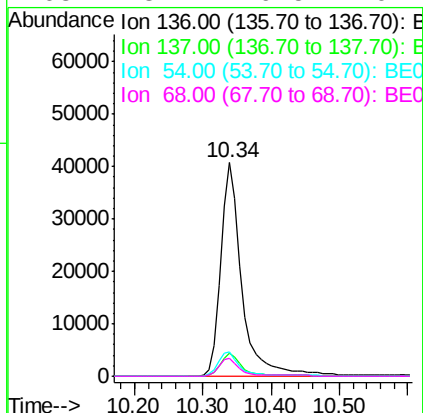
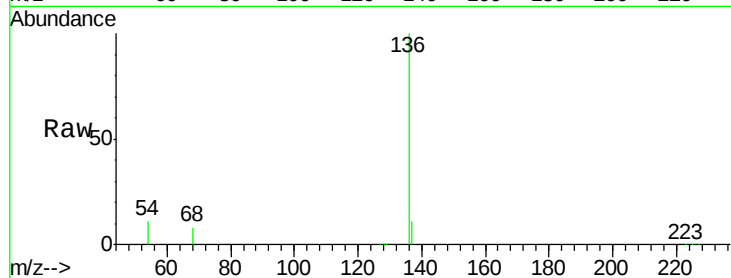




#6
Naphthalene-d8
Concen: 5.00 ng
RT: 10.34 min Scan# 1371
Delta R.T. 0.00 min
Lab File: BE090481.D
Acq: 12 Aug 2015 23:36

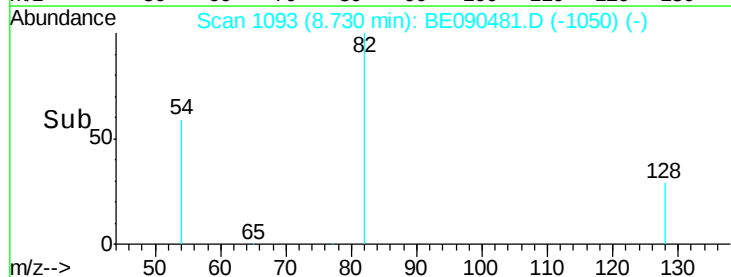
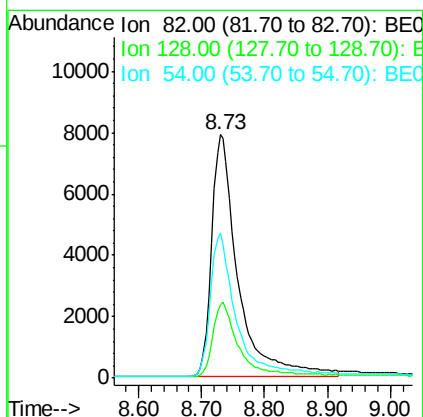
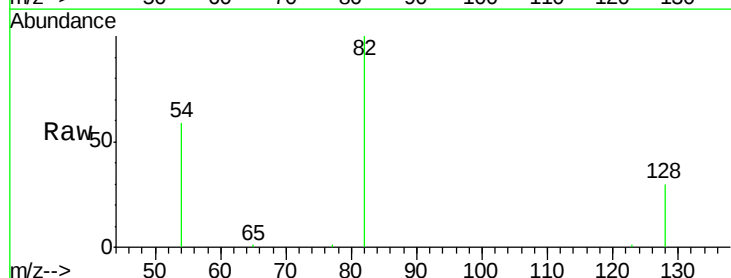
Instrument :
BNA_E
ClientSampleId :

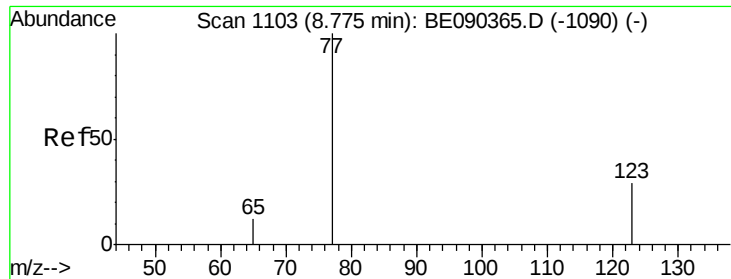
Tot Ion:136	Resp:	86654	
Ion Ratio	Lower	Upper	
136 100			
137 10.9	8.7	13.1	
54 11.2	9.4	14.0	
68 8.2	6.5	9.7	



#7
Nitrobenzene-d5
Concen: 3.31 ng
RT: 8.73 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE090481.D
Acq: 12 Aug 2015 23:36

Tgt Ion: 82	Resp: 22833
Ion Ratio	Lower Upper
82 100	
128 29.9	25.0 37.6
54 59.4	48.8 73.2





#8

Nitrobenzene

Concen: 0.21 ng

RT: 8.81 min Scan# 1111

Delta R.T. 0.04 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

Instrument :

BNA_E

ClientSampled :

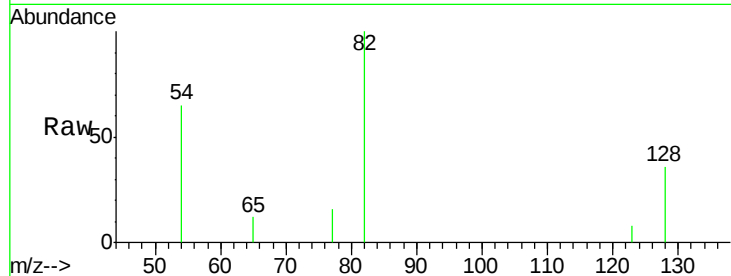
Tot Ion: 77 Resp: 8

Ion Ratio Lower Upper

77 100

123 25.0 25.1 37.7#

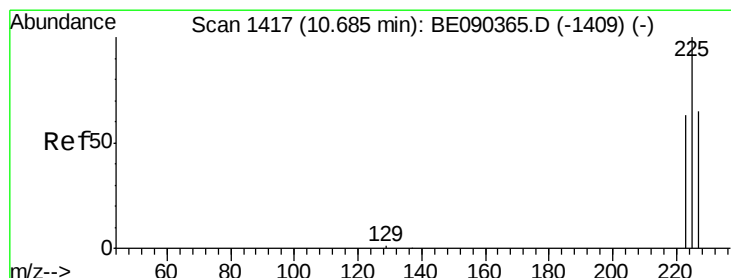
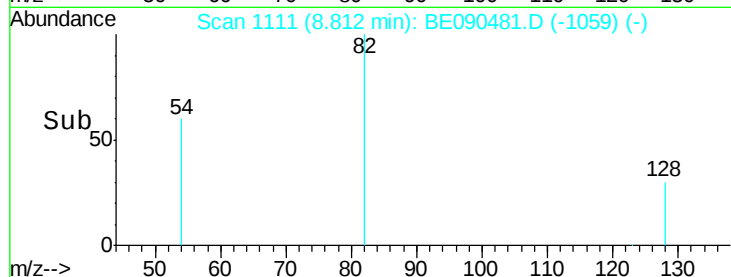
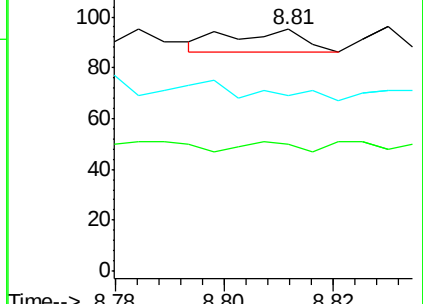
65 87.5 9.3 13.9#



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: 10.68 min Scan# 1416

Delta R.T. -0.01 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

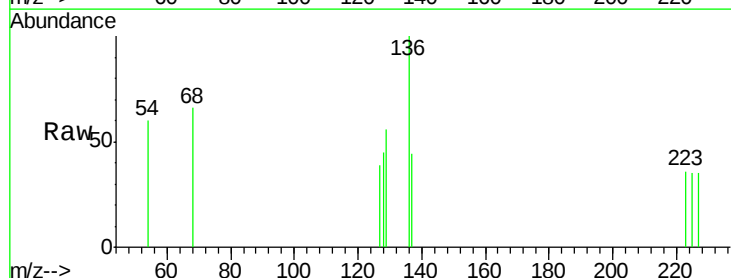
Tgt Ion: 225 Resp: 2

Ion Ratio Lower Upper

225 100

223 200.0 50.6 75.8#

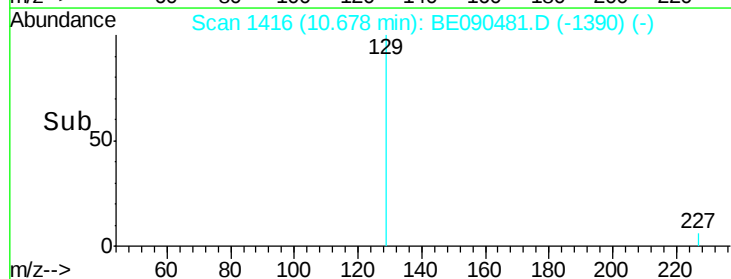
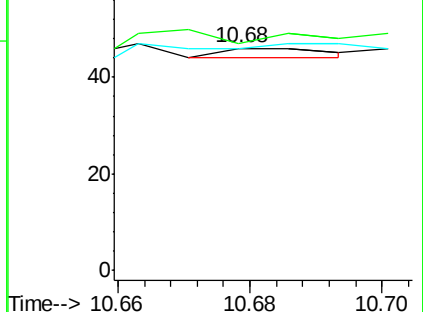
227 0.0 50.7 76.1#

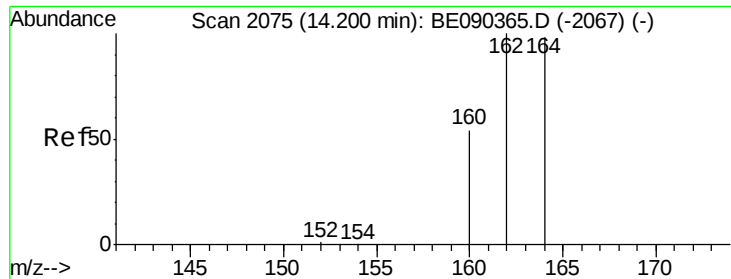


Abundance Ion 225.00 (224.70 to 225.70): BE090365.D (-1409) (-)

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: 14.19 min Scan# 2075

Delta R.T. -0.01 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

Instrument :

BNA_E

ClientSampleId :

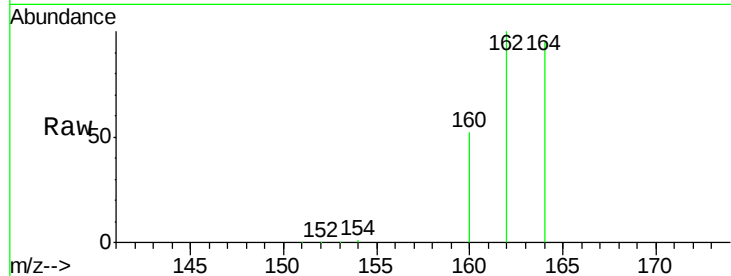
Tot Ion:164 Resp: 51311

Ion Ratio Lower Upper

164 100

162 105.4 81.8 122.8

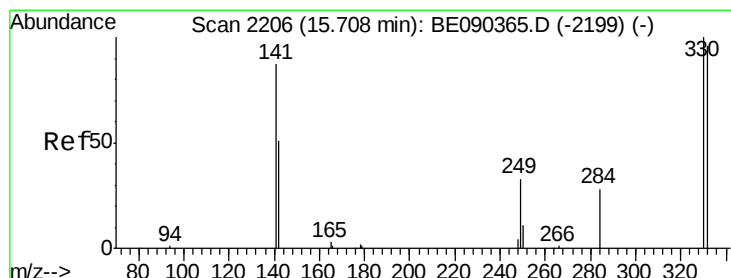
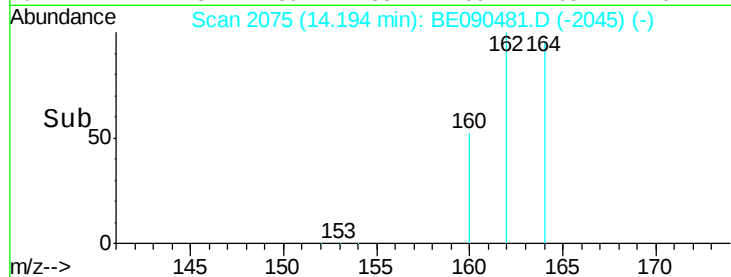
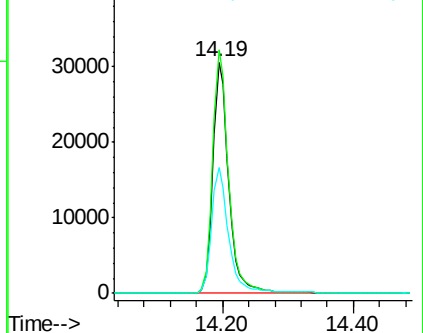
160 54.4 44.2 66.4



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: 7.31 ng

RT: 15.71 min Scan# 2207

Delta R.T. 0.00 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

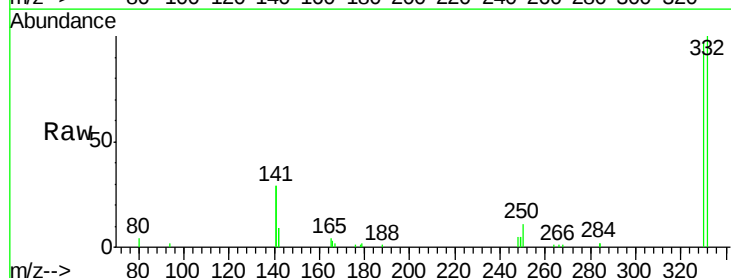
Tgt Ion:330 Resp: 10988

Ion Ratio Lower Upper

330 100

332 98.4 75.8 113.6

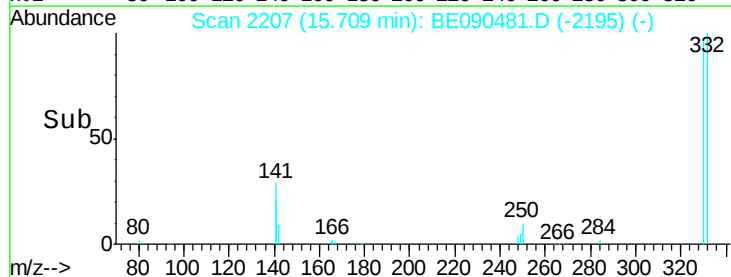
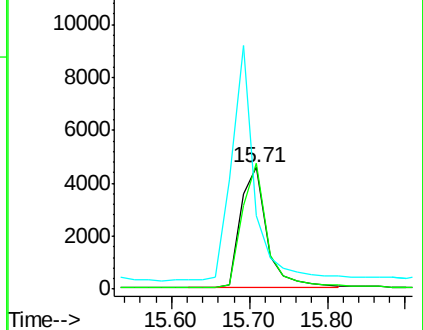
141 168.3 114.4 171.6



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

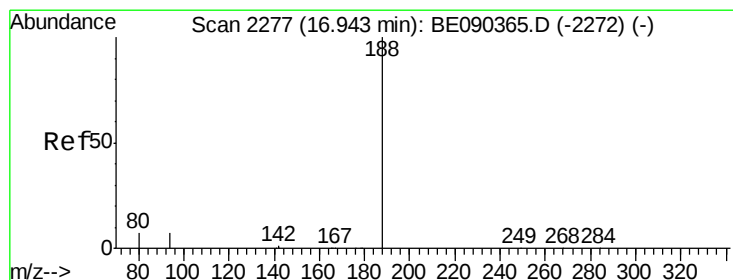
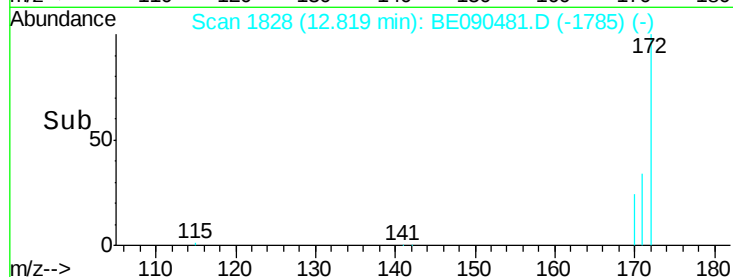
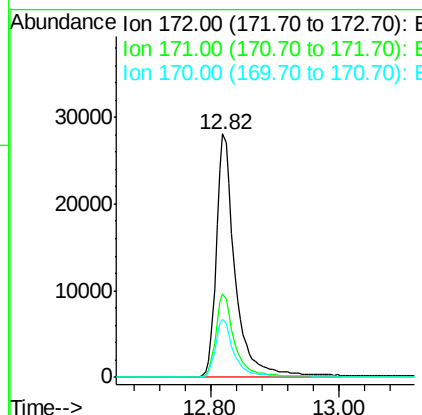
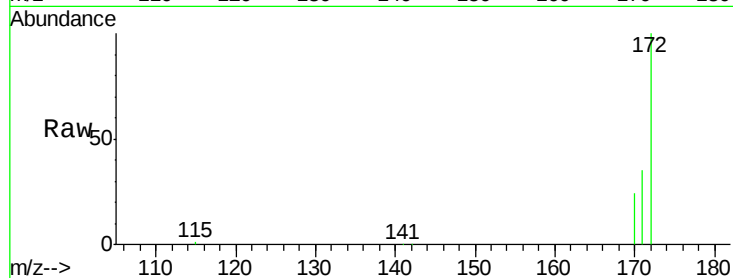




#14
2-Fluorobiphenyl
Concen: 4.07 ng
RT: 12.82 min Scan# 1828
Delta R.T. -0.00 min
Lab File: BE090481.D
Acq: 12 Aug 2015 23:36

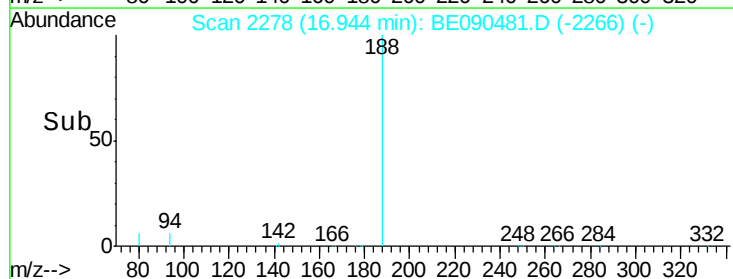
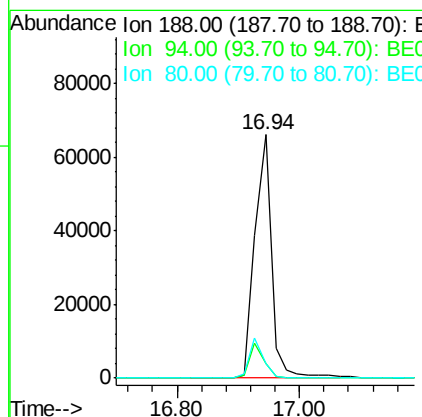
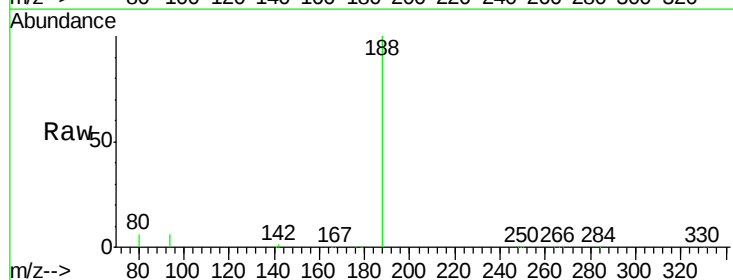
Instrument :
BNA_E
ClientSampleId :

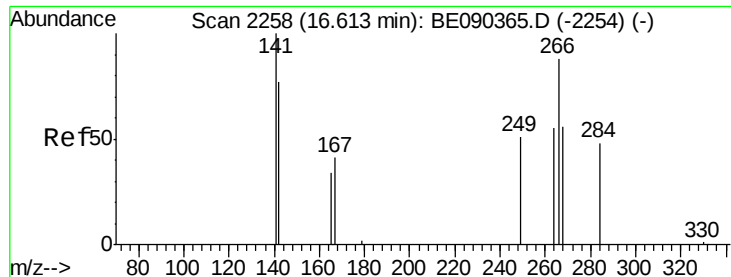
Tot Ion:172 Resp: 57398
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 23.9 19.8 29.8



#18
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.94 min Scan# 2278
Delta R.T. 0.00 min
Lab File: BE090481.D
Acq: 12 Aug 2015 23:36

Tgt Ion:188 Resp: 124540
Ion Ratio Lower Upper
188 100
94 5.8 5.7 8.5
80 5.9 5.8 8.8

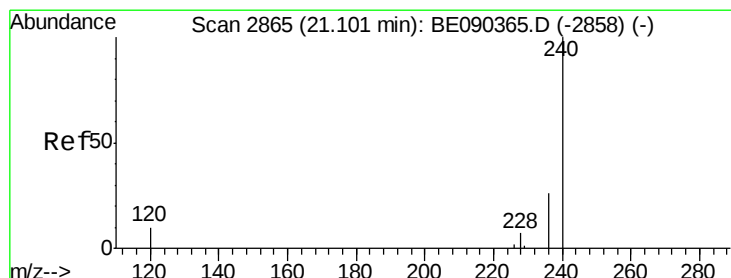
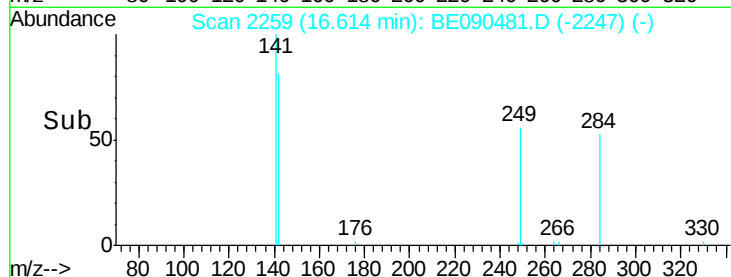
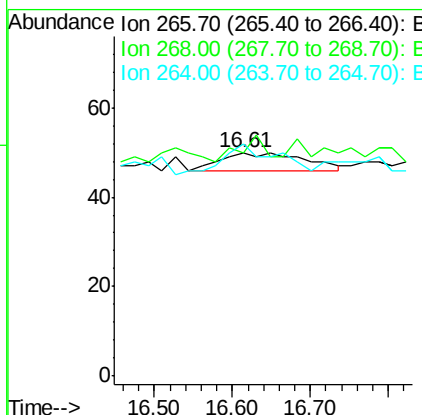
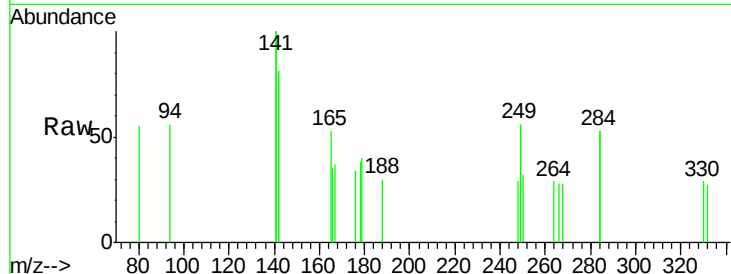




#21
 Pentachlorophenol
 Concen: 0.13 ng
 RT: 16.61 min Scan# 2259
 Delta R.T. 0.00 min
 Lab File: BE090481.D
 Acq: 12 Aug 2015 23:36

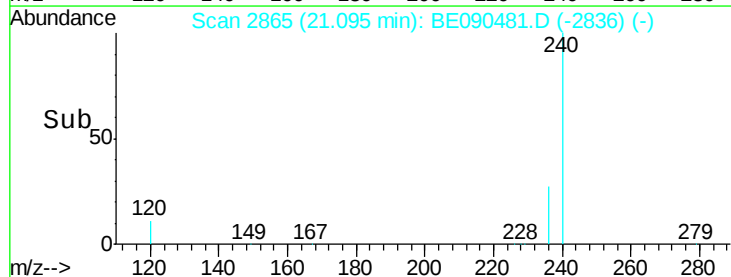
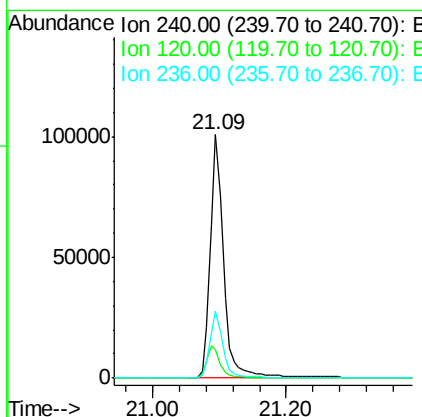
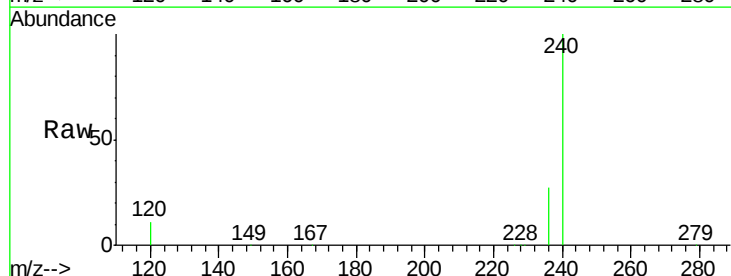
Instrument :
 BNA_E
 ClientSampled :

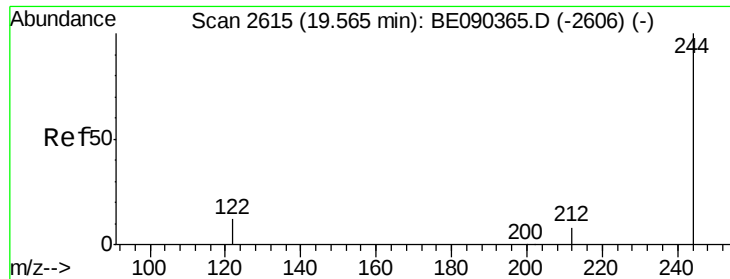
Tot Ion:266 Resp: 29
 Ion Ratio Lower Upper
 266 100
 268 100.0 58.5 87.7#
 264 104.0 56.0 84.0#



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.09 min Scan# 2865
 Delta R.T. -0.01 min
 Lab File: BE090481.D
 Acq: 12 Aug 2015 23:36

Tgt Ion:240 Resp: 139570
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.3 12.5
 236 27.3 21.0 31.4

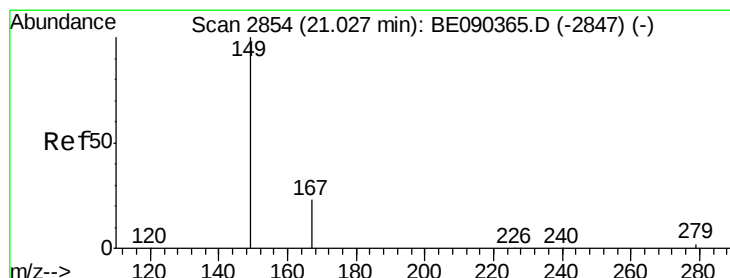
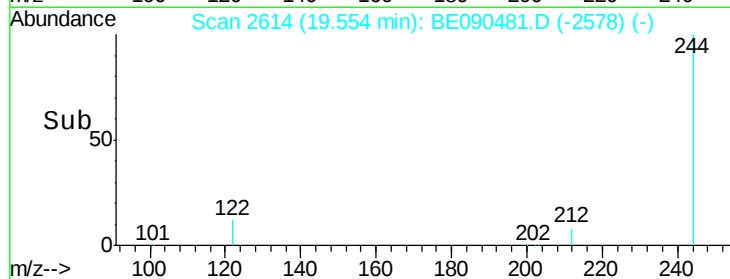
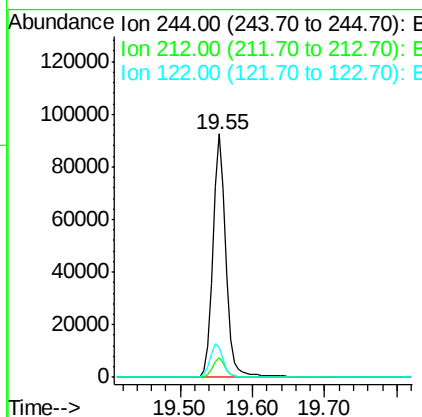
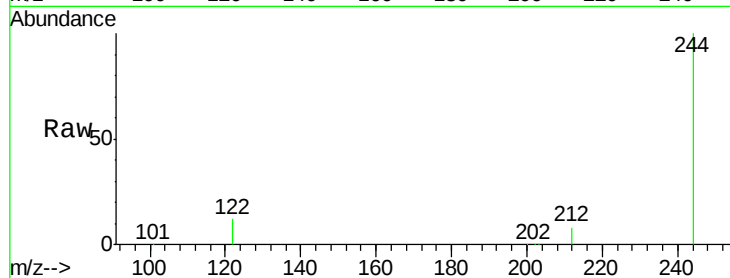




#27
 Terphenyl-d14
 Concen: 5.60 ng
 RT: 19.55 min Scan# 2614
 Delta R.T. -0.01 min
 Lab File: BE090481.D
 Acq: 12 Aug 2015 23:36

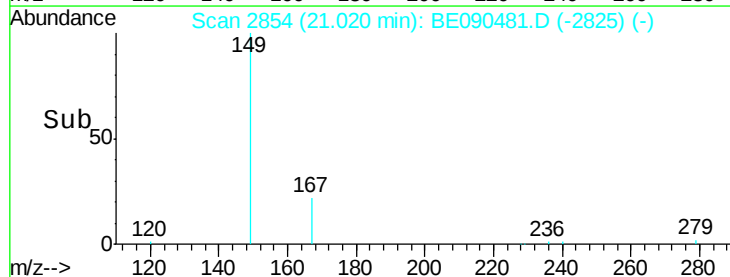
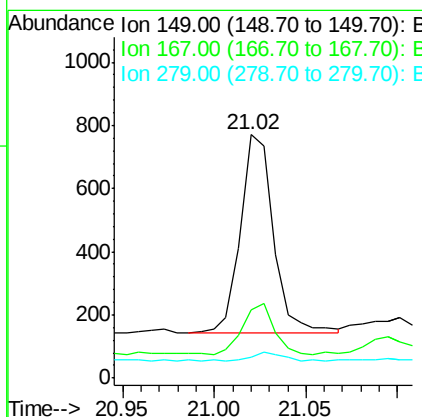
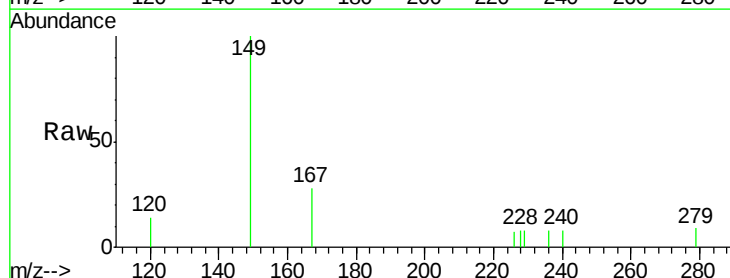
Instrument :
 BNA_E
 ClientSampleId :

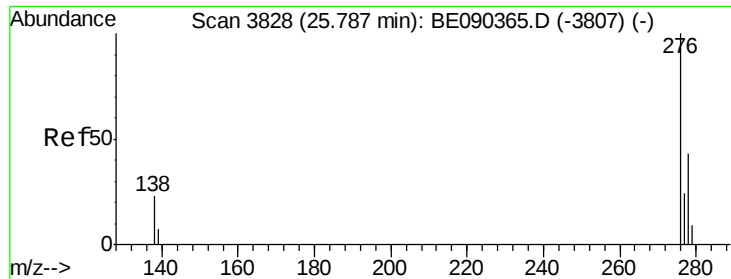
Tot Ion:244 Resp: 115146
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.6 9.8
 122 12.2 10.2 15.4



#30
 Bis(2-ethylhexyl)phthalate
 Concen: 0.22 ng
 RT: 21.02 min Scan# 2854
 Delta R.T. -0.01 min
 Lab File: BE090481.D
 Acq: 12 Aug 2015 23:36

Tgt Ion:149 Resp: 781
 Ion Ratio Lower Upper
 149 100
 167 24.2 19.8 29.8
 279 4.0 2.4 3.6#

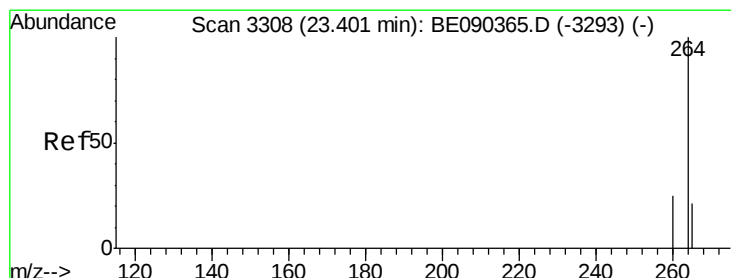
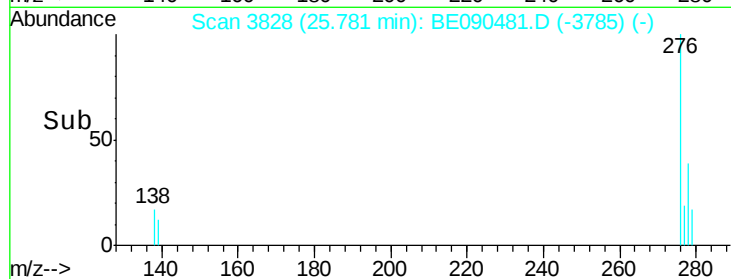
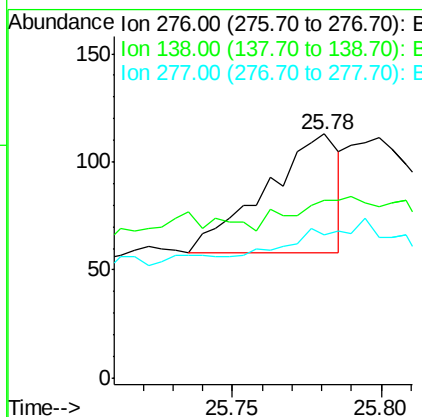
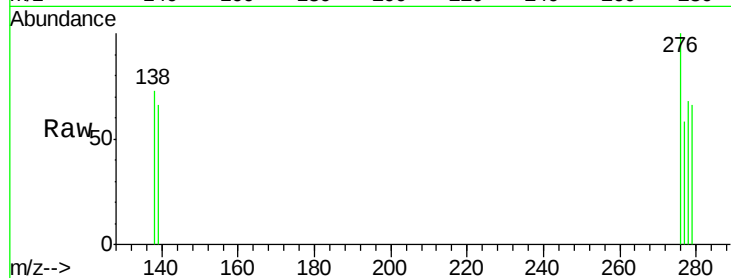




#31
Indeno(1,2,3-cd)pyrene
Concen: 0.25 ng
RT: 25.78 min Scan# 3828
Delta R.T. -0.01 min
Lab File: BE090481.D
Acq: 12 Aug 2015 23:36

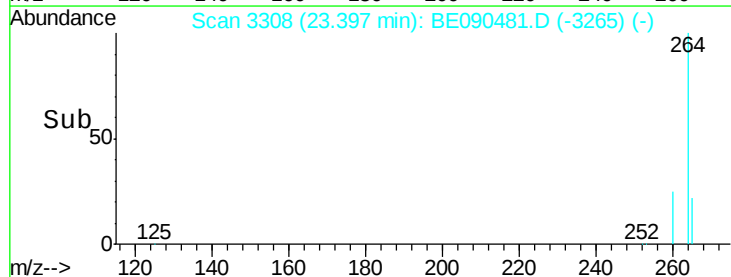
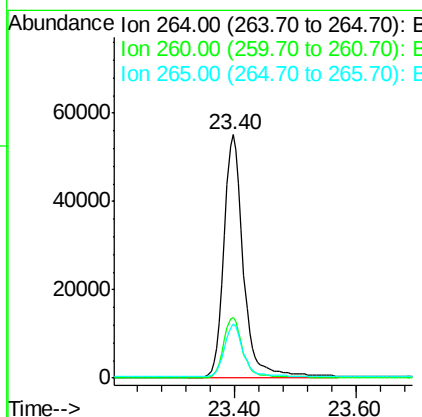
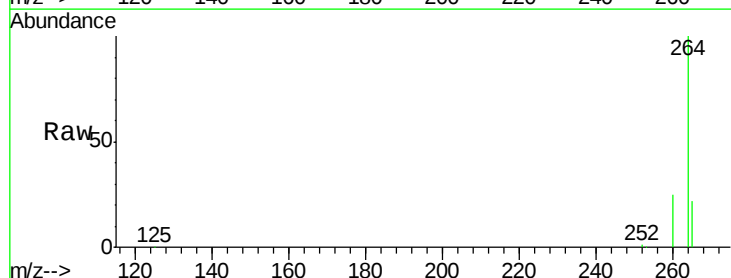
Instrument :
BNA_E
ClientSampleId :

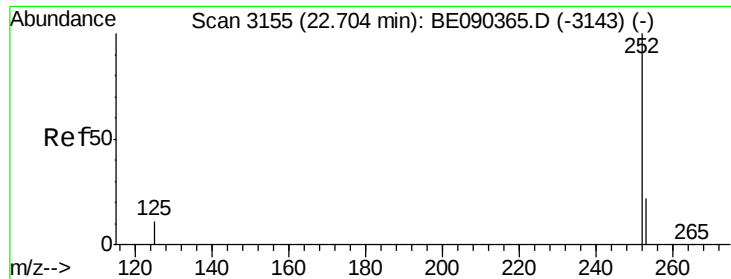
Tot Ion:276 Resp: 95
Ion Ratio Lower Upper
276 100
138 31.6 18.8 28.2#
277 33.7 18.2 27.4#



#32
Perylene-d12
Concen: 5.00 ng
RT: 23.40 min Scan# 3308
Delta R.T. -0.00 min
Lab File: BE090481.D
Acq: 12 Aug 2015 23:36

Tgt Ion:264 Resp: 124508
Ion Ratio Lower Upper
264 100
260 25.1 20.1 30.1
265 22.0 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: BE090481.D

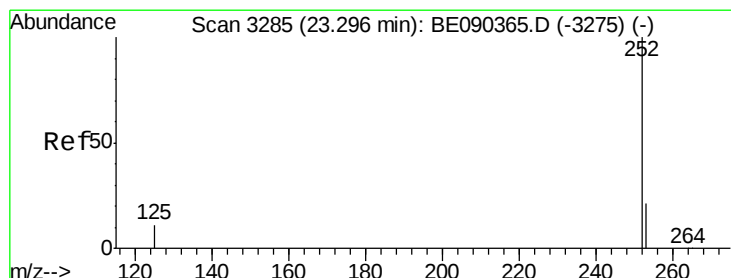
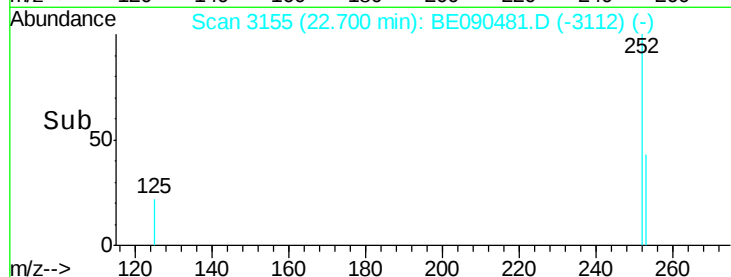
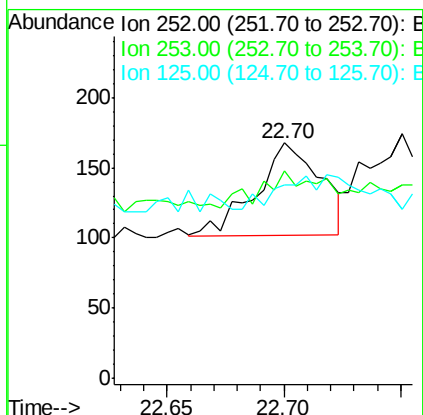
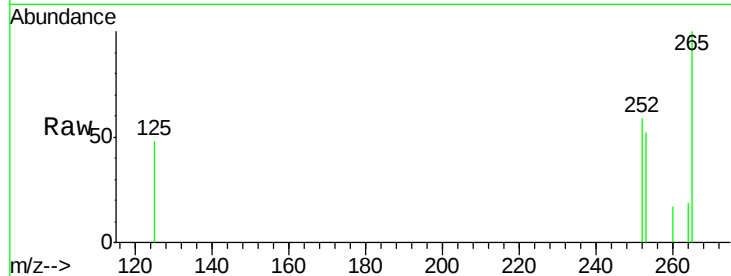
Acq: 12 Aug 2015 23:36

Instrument :

BNA_E

ClientSampleId :

Tot Ion:	252	Resp:	128
Ion	Ratio	Lower	Upper
252	100		
253	88.1	18.1	27.1#
125	82.1	9.4	14.2#



#35

Benzo(a)pyrene

Concen: 0.23 ng

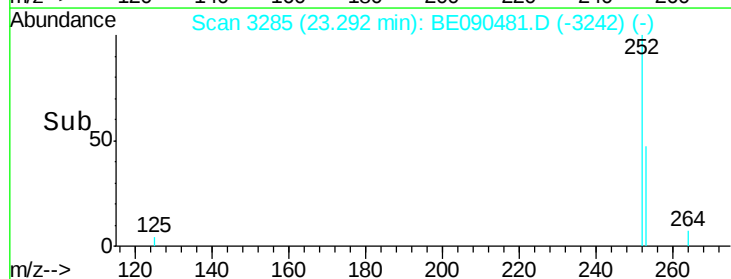
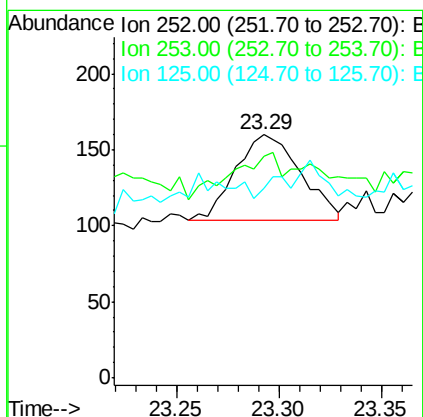
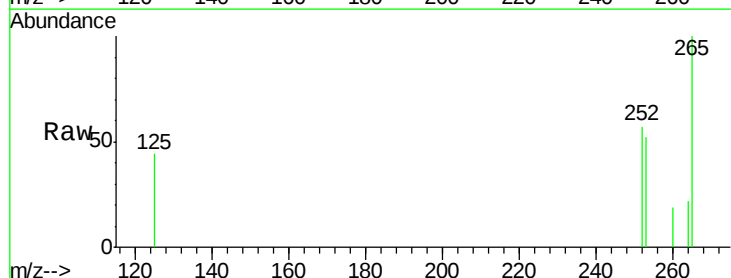
RT: 23.29 min Scan# 3285

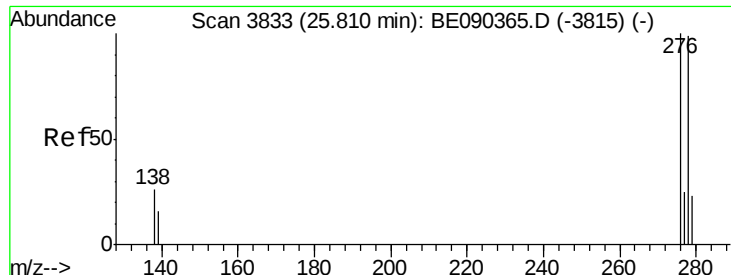
Delta R.T. -0.00 min

Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

Tgt Ion:	252	Resp:	123
Ion	Ratio	Lower	Upper
252	100		
253	91.3	17.6	26.4#
125	78.1	9.8	14.6#





#36

Dibenzo(a,h)anthracene

Concen: 0.29 ng

RT: 25.81 min Scan# 3835

Delta R.T. 0.00 min

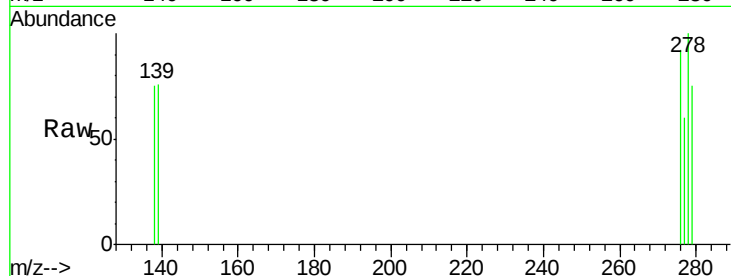
Lab File: BE090481.D

Acq: 12 Aug 2015 23:36

Instrument :

BNA_E

ClientSampleId :



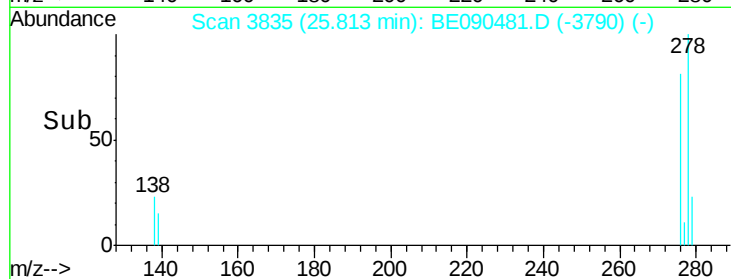
Tot Ion: 278 Resp: 208

Ion Ratio Lower Upper

278 100

139 76.5 14.2 21.4#

279 75.5 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

