

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
 Data File : BE092049.D
 Acq On : 27 Jul 2016 10:06
 Operator : UM/SJ
 Sample : SSTDICC0.1
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

Quant Time: Jul 27 13:38:31 2016
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE072716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 27 12:50:07 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.18	152	9095	5.00	ng	-0.02
8) Naphthalene-d8	10.99	136	40015	5.00	ng	0.00
15) Acenaphthene-d10	14.86	164	18607	5.00	ng	0.00
24) Phenanthrene-d10	17.59	188	57950	5.00	ng	0.01
31) Chrysene-d12	21.76	240	72949	5.00	ng	0.00
40) Perylene-d12	24.16	264	68680	5.00	ng	0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.70	112	216	0.11	ng	-0.02
5) Phenol-d6	7.35	99	300	0.11	ng	0.00
9) Nitrobenzene-d5	9.36	82	362	0.11	ng	0.00
16) 2,4,6-Tribromophenol	16.35	330	71	0.12	ng	0.00
17) 2-Fluorobiphenyl	13.47	172	851	0.11	ng	0.00
34) Terphenyl-d14	20.22	244	2082	0.14	ng	0.02

Target Compounds				Qvalue		
2) 1,4-Dioxane	3.45	88	181	0.12	ng	97
3) n-Nitrosodimethylamine	3.82	42	163	0.12	ng	# 93
6) bis(2-Chloroethyl)ether	7.61	93	265	0.11	ng	95
7) n-Nitroso-di-n-propylamine	9.00	70	214	0.11	ng	# 86
10) Nitrobenzene	9.42	77	266	0.10	ng	96
11) bis(2-Chloroethoxy)methane	10.42	93	314	0.11	ng	# 94
12) Naphthalene	11.04	128	1030	0.11	ng	# 85
13) Hexachlorobutadiene	11.32	225	160	0.11	ng	# 99
14) 2-Methylnaphthalene	12.68	142	628	0.11	ng	# 89
18) Acenaphthylene	14.56	152	4830	0.11	ng	99
19) 2,6-Dinitrotoluene	14.44	165	470	0.11	ng	# 100
20) Acenaphthene	14.92	154	622	0.11	ng	# 1
21) 2,4-Dinitrotoluene	15.25	165	402	0.11	ng	# 1
22) Fluorene	15.90	166	872	0.11	ng	100
23) 4-Chlorophenyl-phenylether	15.90	204	460	0.11	ng	# 15
25) 4-Bromophenyl-phenylether	16.78	248	281	0.11	ng	97
26) Hexachlorobenzene	16.90	284	288	0.11	ng	93
28) Phenanthrene	17.63	178	1785	0.11	ng	97
29) Anthracene	17.72	178	1517	0.11	ng	100
30) Fluoranthene	19.63	202	8509	0.13	ng	# 67
32) Benzidine	19.86	184	212	0.09	ng	# 51
33) Pyrene	19.99	202	9616	0.11	ng	100
35) Benzo(a)anthracene	21.73	228	6696	0.15	ng	98
36) 3,3'-Dichlorobenzidine	21.67	252	344	0.09	ng	# 79
37) Chrysene	21.73	228	6676	0.13	ng	98
38) Bis(2-ethylhexyl)phthalate	21.64	149	15362	0.17	ng	# 99
39) Indeno(1,2,3-cd)pyrene	26.67	276	8212	0.10	ng	99
41) Benzo(b)fluoranthene	23.42	252	5371	0.16	ng	95
42) Benzo(k)fluoranthene	23.47	252	4894	0.16	ng	98
43) Benzo(a)pyrene	24.05	252	3065	0.14	ng	96
44) Dibenzo(a,h)anthracene	26.70	278	1633	0.11	ng	# 88
45) Benzo(g,h,i)perylene	27.45	276	7077	0.11	ng	# 88

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Misc :
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Instrument :
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Quant Time: Jul 27 13:38:31 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jul 27 12:50:07 2016
Response via : Initial Calibration

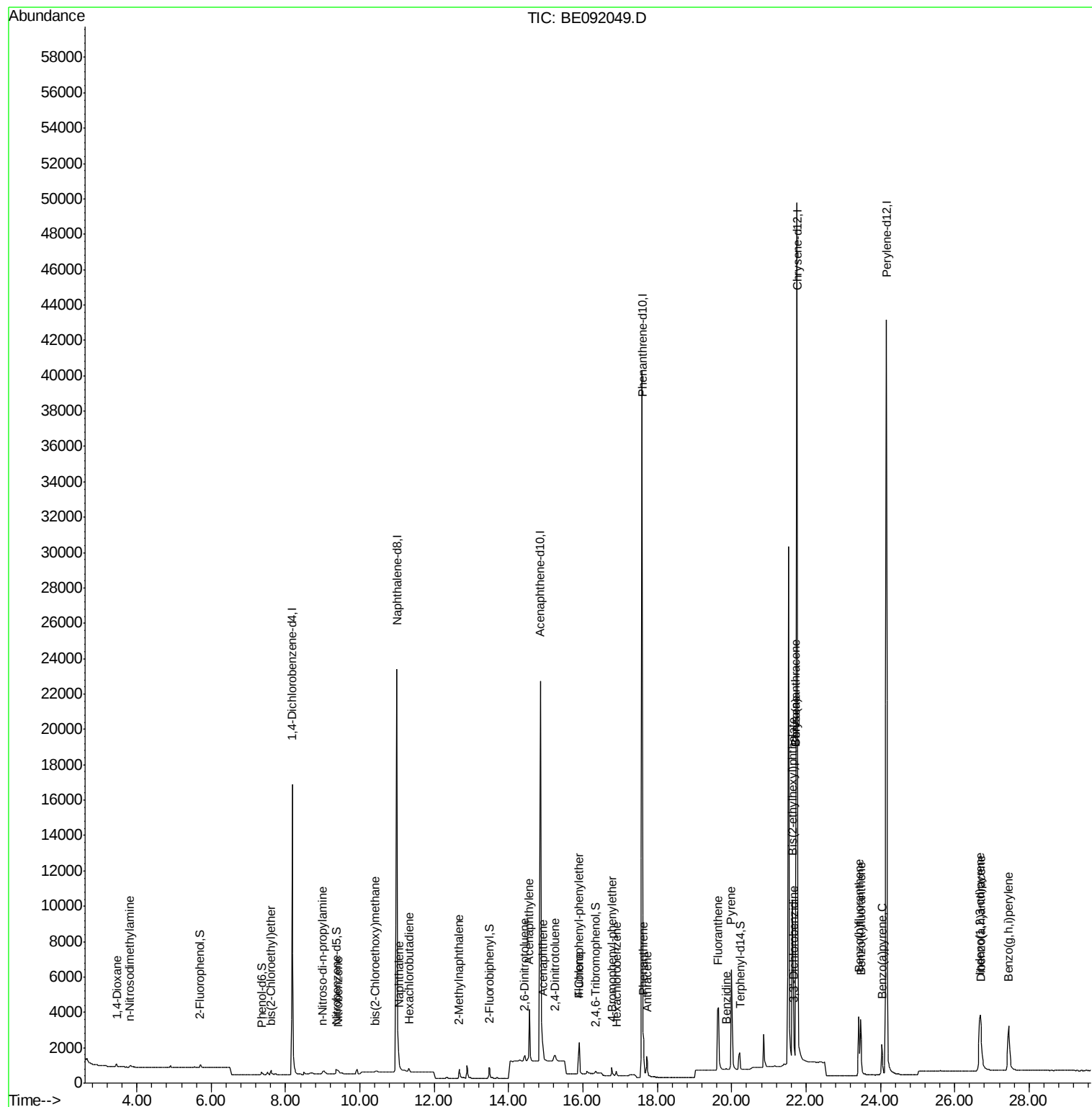
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

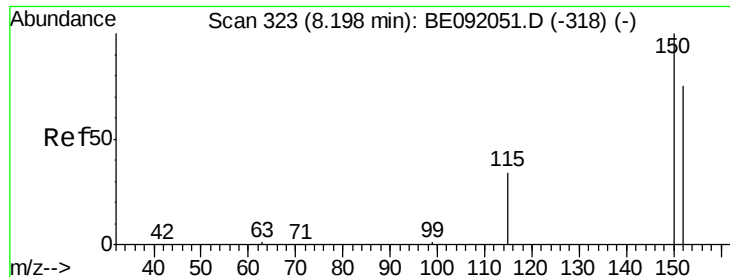
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

Data Path : Z:\HPCHEM1\BNA_E\Data\BE072716\
Data File : BE092049.D
Acq On : 27 Jul 2016 10:06
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Sample : SSTDIC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
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Quant Time: Jul 27 13:38:31 2016
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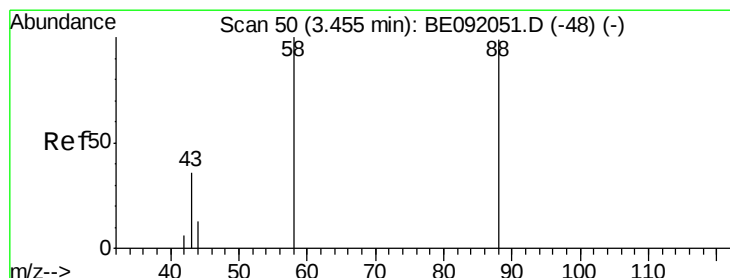
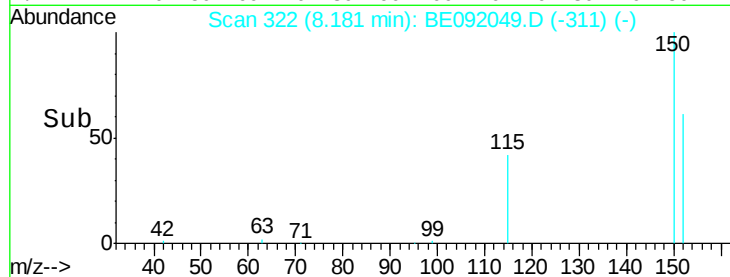
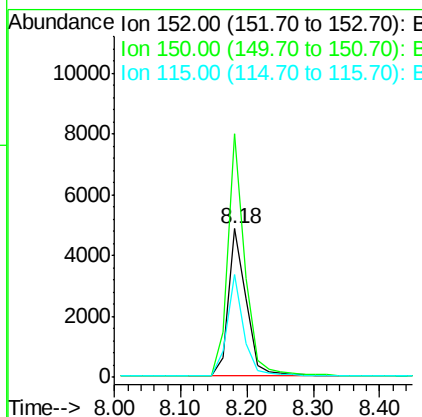
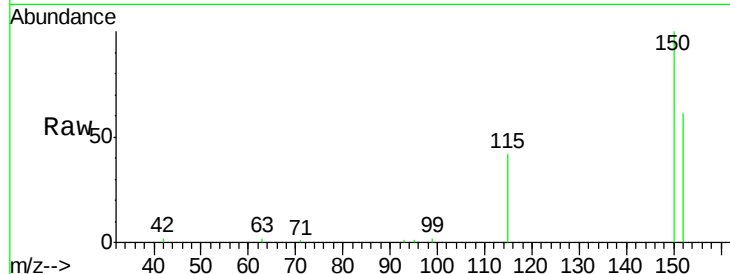




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 8.18 min Scan# 322
 Delta R.T. -0.02 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

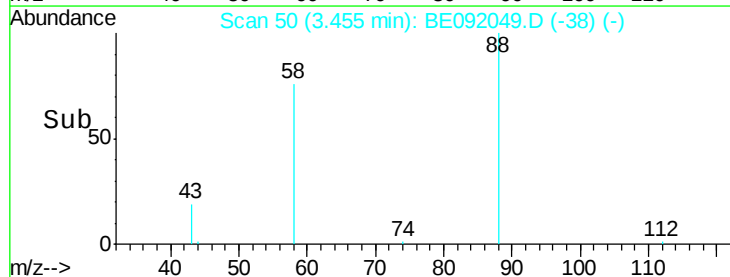
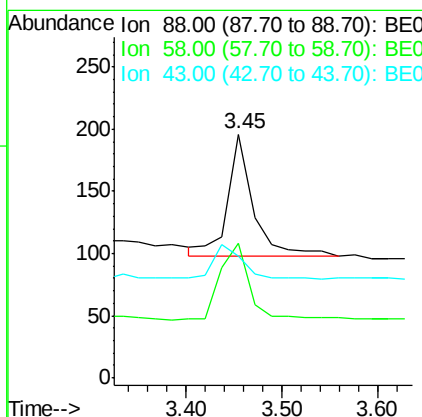
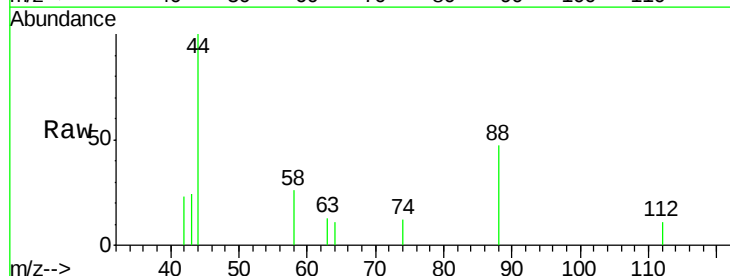
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

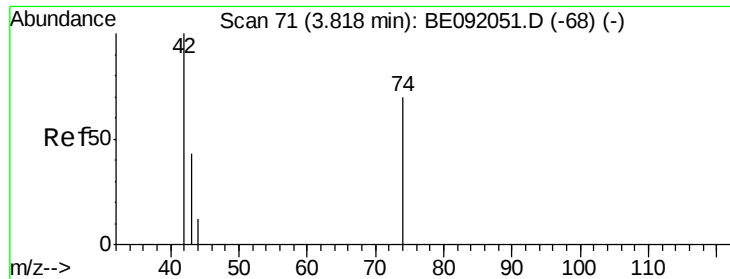
Tgt Ion: 152 Resp: 9095
 Ion Ratio Lower Upper
 152 100
 150 163.8 106.0 159.0#
 115 68.8 36.9 55.3#



#2
 1,4-Dioxane
 Concen: 0.12 ng
 RT: 3.45 min Scan# 50
 Delta R.T. -0.00 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

Tgt Ion: 88 Resp: 181
 Ion Ratio Lower Upper
 88 100
 58 74.6 62.1 93.1
 43 34.3 27.2 40.8





#3

n-Nitrosodimethylamine

Concen: 0.12 ng

RT: 3.82 min Scan# 71

Delta R.T. -0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

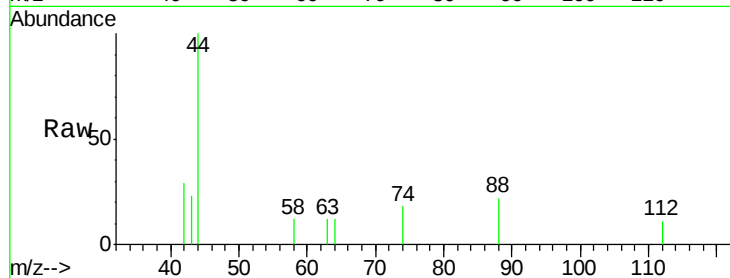
Tgt Ion: 42 Resp: 163

Ion Ratio Lower Upper

42 100

74 98.8 82.8 124.2

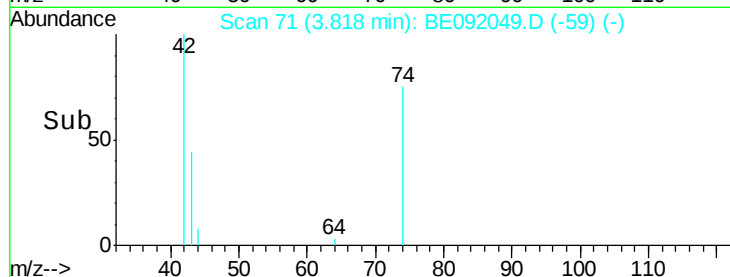
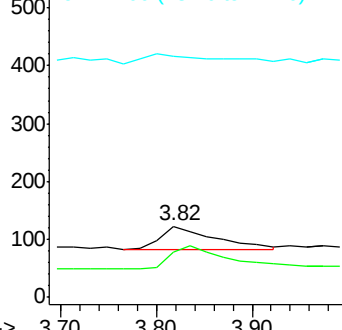
44 0.0 9.0 13.4#



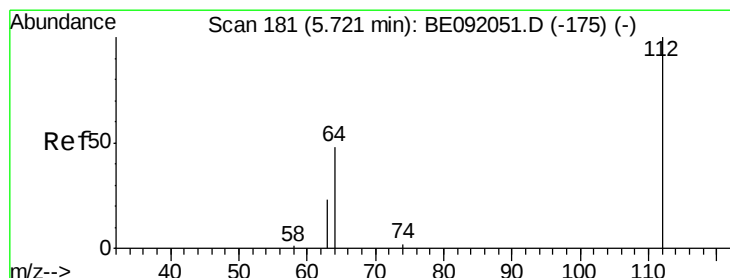
Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0



Time-->



#4

2-Fluorophenol

Concen: 0.11 ng

RT: 5.70 min Scan# 180

Delta R.T. -0.02 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

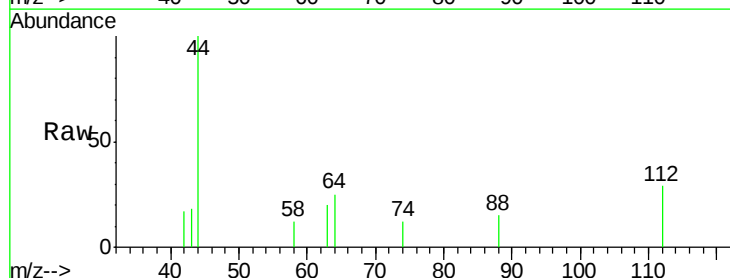
Tgt Ion: 112 Resp: 216

Ion Ratio Lower Upper

112 100

64 69.0 55.9 83.9

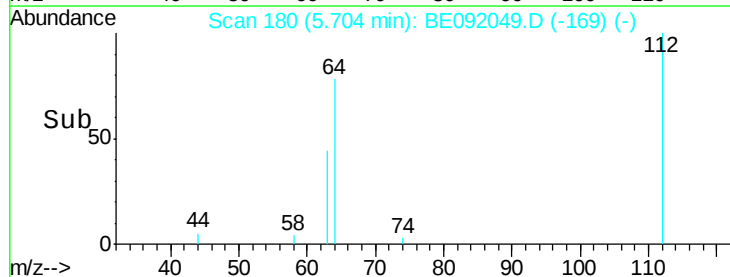
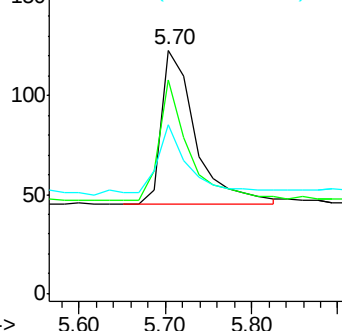
63 44.0 31.1 46.7

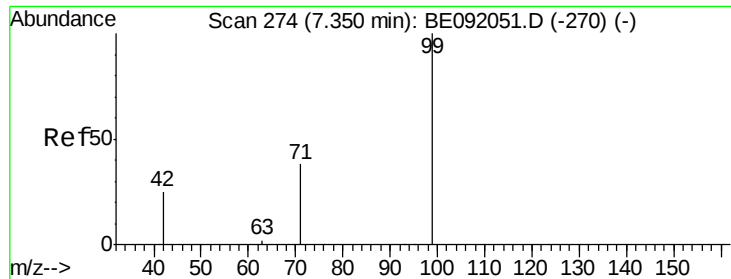


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0





#5

Phenol-d6

Concen: 0.11 ng

RT: 7.35 min Scan# 274

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

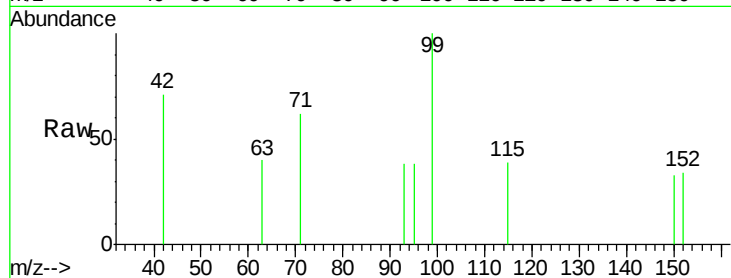
Tgt Ion: 99 Resp: 300

Ion Ratio Lower Upper

99 100

42 30.0 22.4 33.6

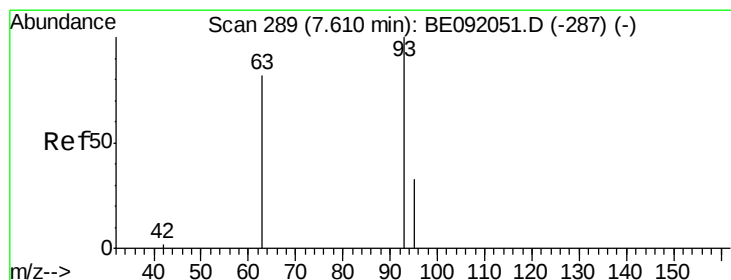
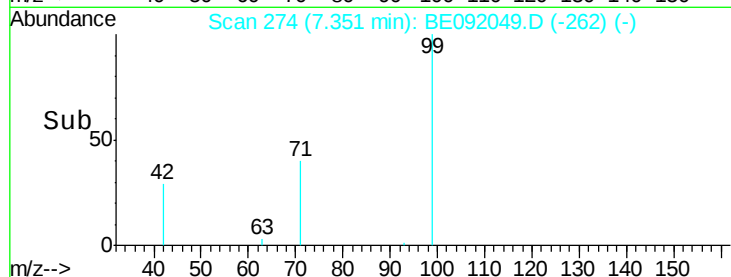
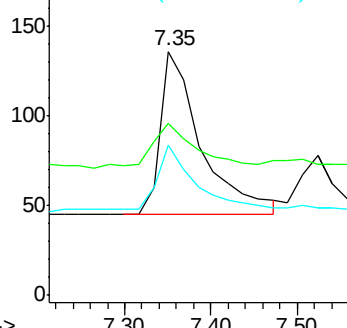
71 35.3 28.9 43.3



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

bis(2-Chloroethyl)ether

Concen: 0.11 ng

RT: 7.61 min Scan# 289

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

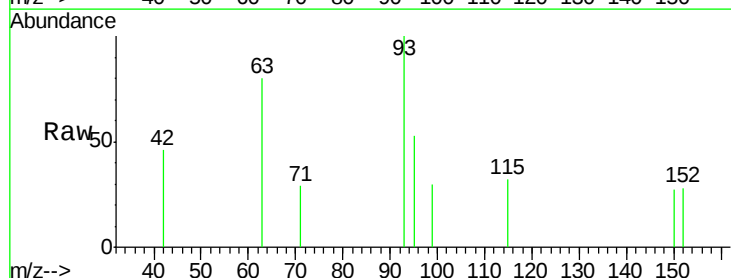
Tgt Ion: 93 Resp: 265

Ion Ratio Lower Upper

93 100

63 84.2 64.4 96.6

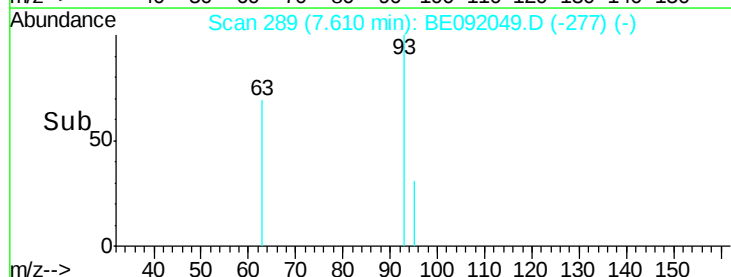
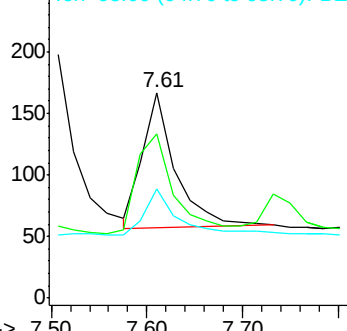
95 35.5 25.8 38.8

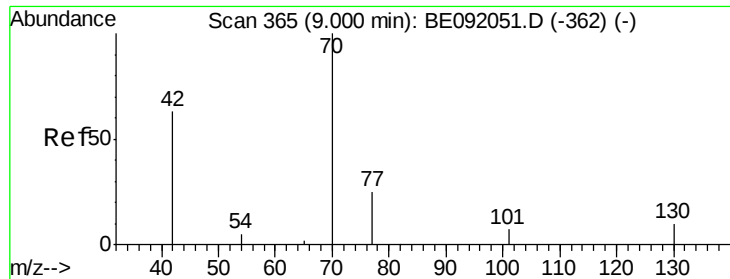


Abundance Ion 93.00 (92.70 to 93.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

Ion 95.00 (94.70 to 95.70): BE0





#7

n-Nitroso-di-n-propylamine

Concen: 0.11 ng

RT: 9.00 min Scan# 365

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

Tgt Ion: 70 Resp: 214

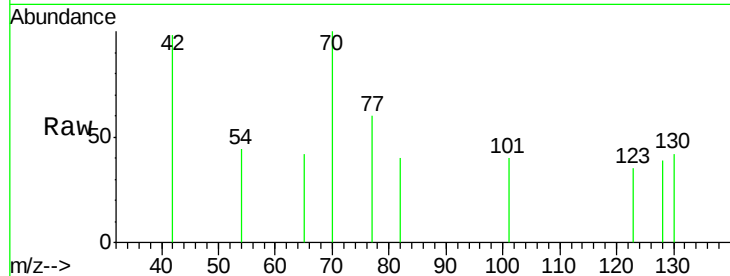
Ion Ratio Lower Upper

70 100

42 81.8 60.2 90.4

101 0.0 6.8 10.2#

130 0.0 13.3 19.9#



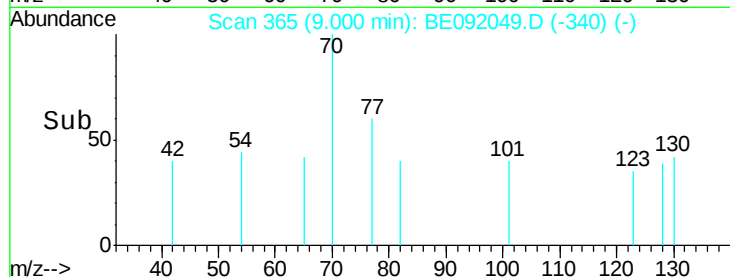
Abundance Ion 70.00 (69.70 to 70.70): BE0

Ion 42.00 (41.70 to 42.70): BE0

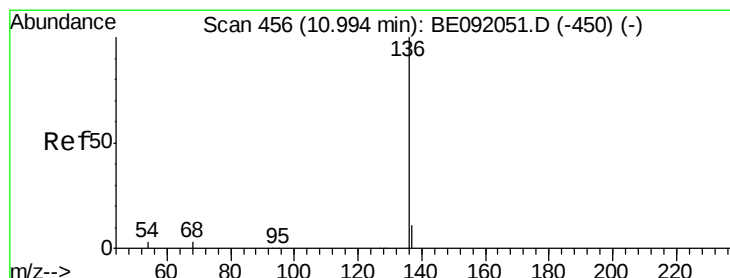
Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

Time-->



Time-->



#8

Naphthalene-d8

Concen: 5.00 ng

RT: 10.99 min Scan# 456

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Tgt Ion: 136 Resp: 40015

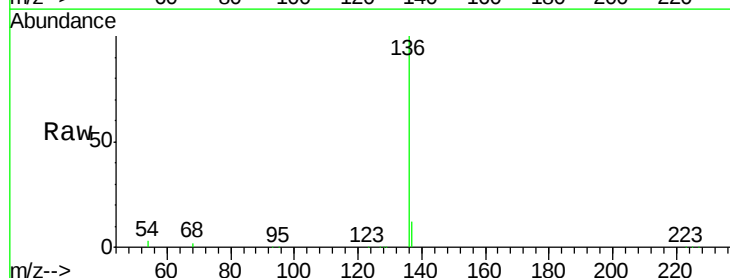
Ion Ratio Lower Upper

136 100

137 11.7 9.1 13.7

54 3.1 2.7 4.1

68 2.5 2.2 3.4



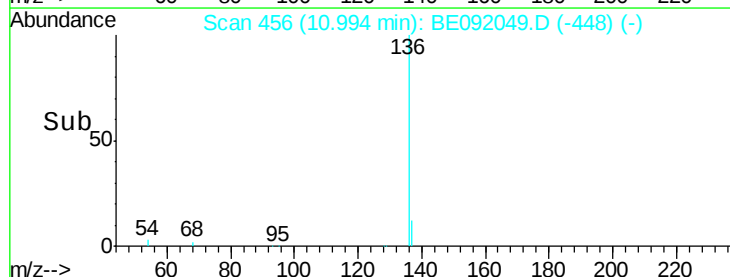
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

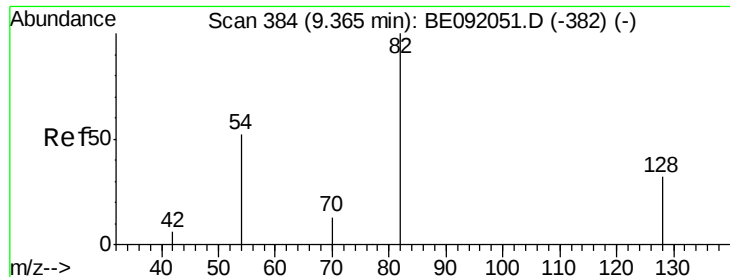
Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0

Time-->



Time-->



#9

Nitrobenzene-d5

Concen: 0.11 ng

RT: 9.36 min Scan# 384

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

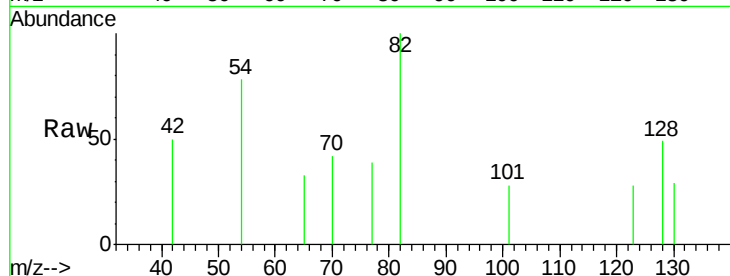
Tgt Ion: 82 Resp: 362

Ion Ratio Lower Upper

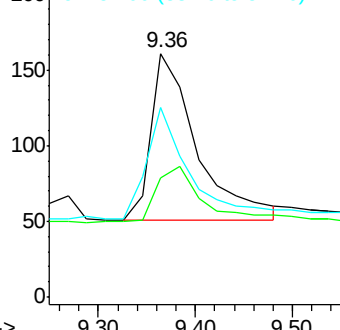
82 100

128 49.1 33.0 49.4

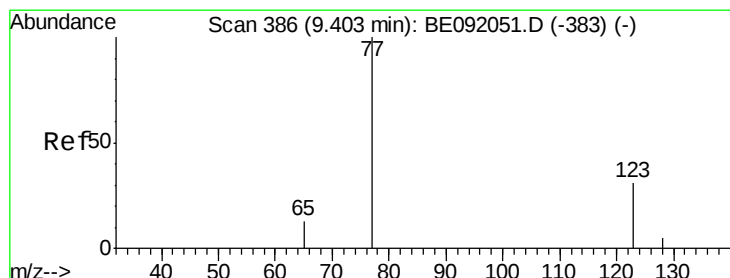
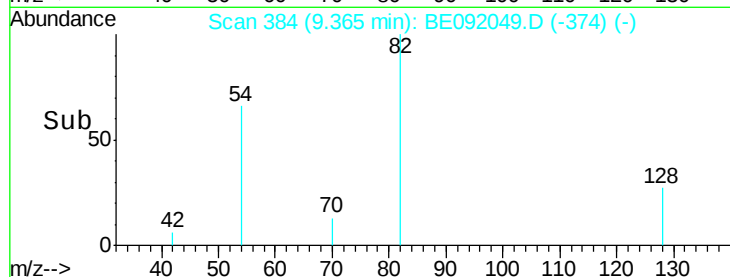
54 77.6 42.6 63.8#



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



Time-->



#10

Nitrobenzene

Concen: 0.10 ng

RT: 9.42 min Scan# 387

Delta R.T. 0.02 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

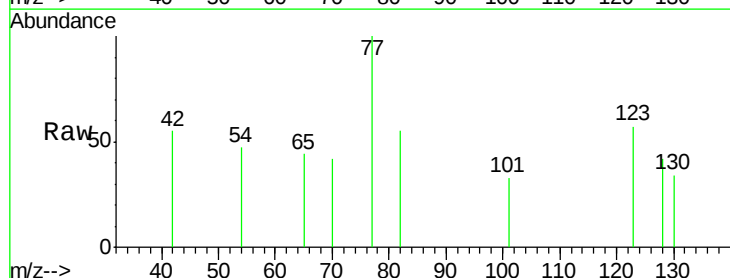
Tgt Ion: 77 Resp: 266

Ion Ratio Lower Upper

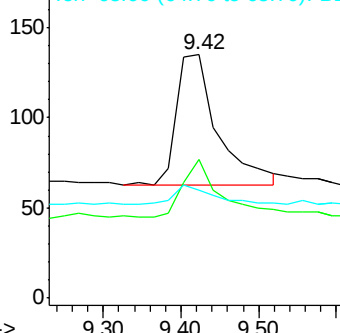
77 100

123 40.2 29.9 44.9

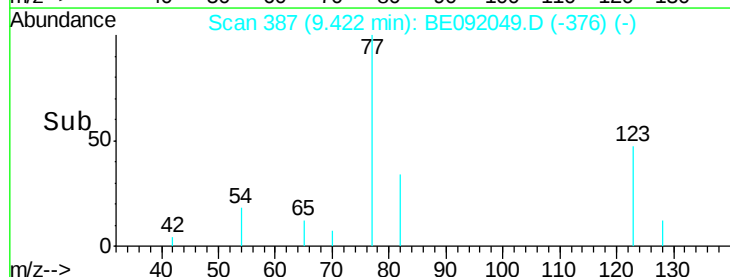
65 13.9 11.4 17.0

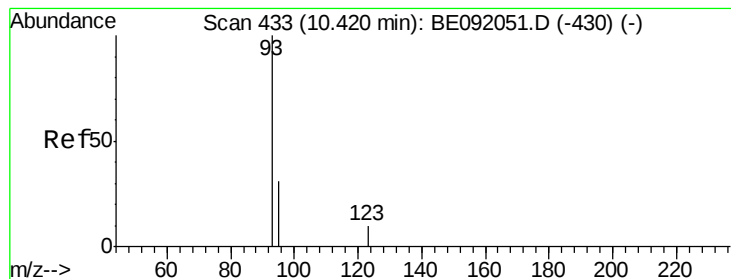


Abundance Ion 77.00 (76.70 to 77.70): BE0
Ion 123.00 (122.70 to 123.70): BE0
Ion 65.00 (64.70 to 65.70): BE0



Time-->

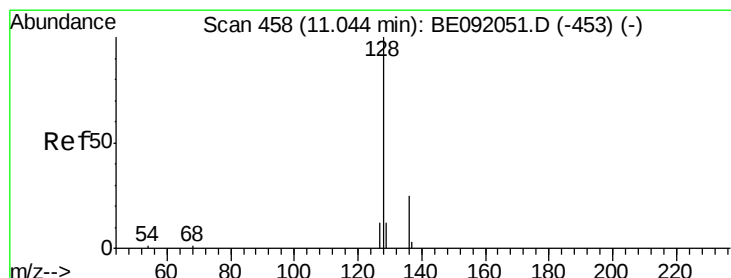
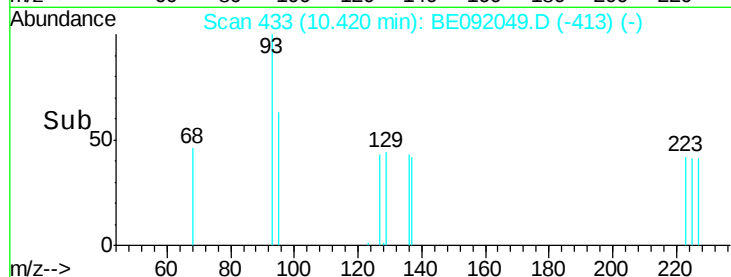
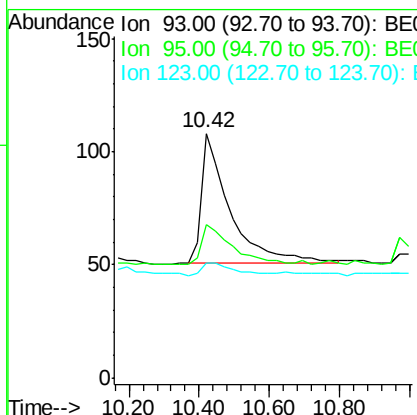
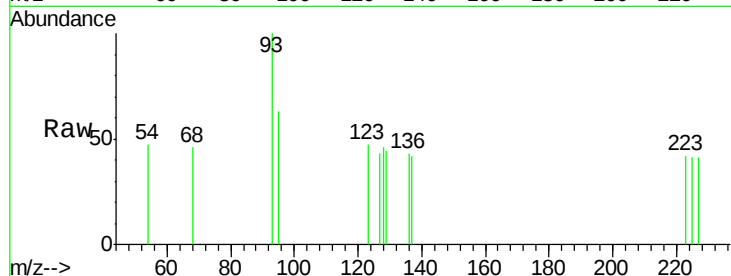




#11
 bis(2-Chloroethoxy)methane
 Concen: 0.11 ng
 RT: 10.42 min Scan# 433
 Delta R.T. 0.00 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

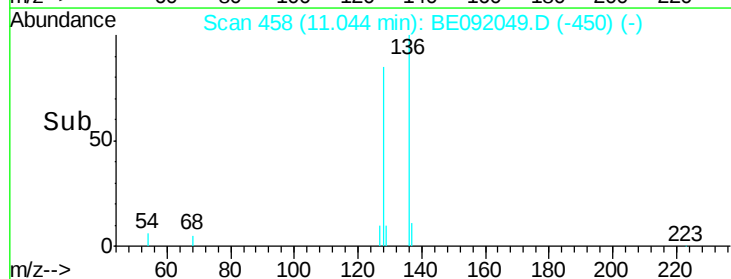
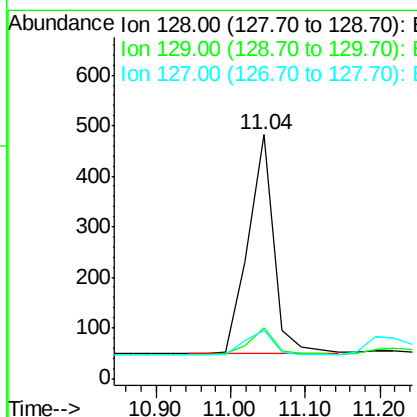
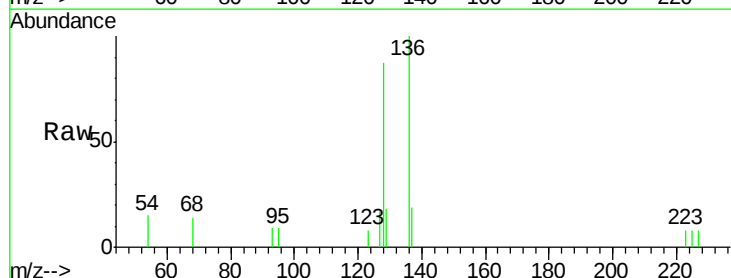
Instrument :
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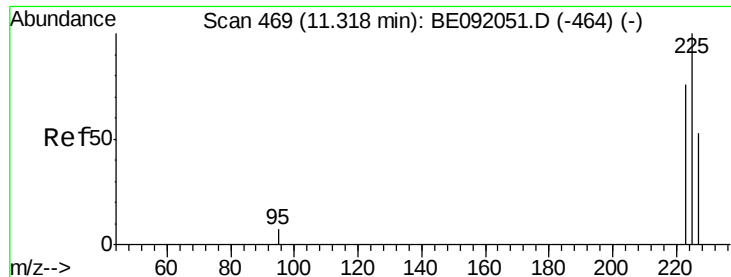
Tgt Ion: 93 Resp: 314
 Ion Ratio Lower Upper
 93 100
 95 34.7 25.0 37.6
 123 12.4 7.8 11.8#



#12
 Naphthalene
 Concen: 0.11 ng
 RT: 11.04 min Scan# 458
 Delta R.T. 0.00 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

Tgt Ion: 128 Resp: 1030
 Ion Ratio Lower Upper
 128 100
 129 20.7 11.1 16.7#
 127 19.7 11.3 16.9#

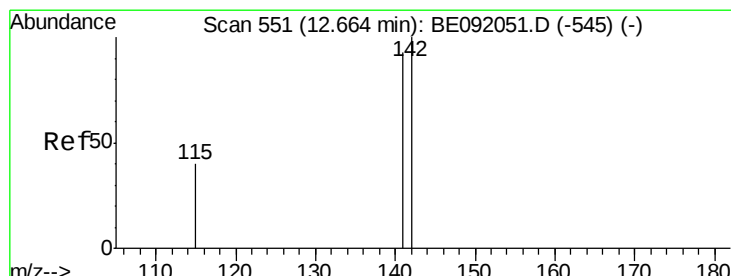
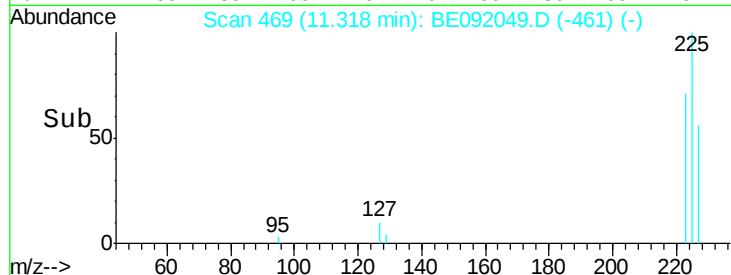
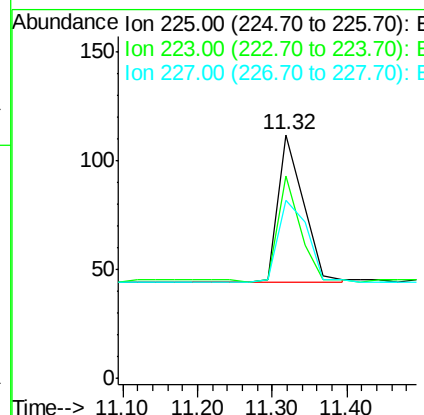
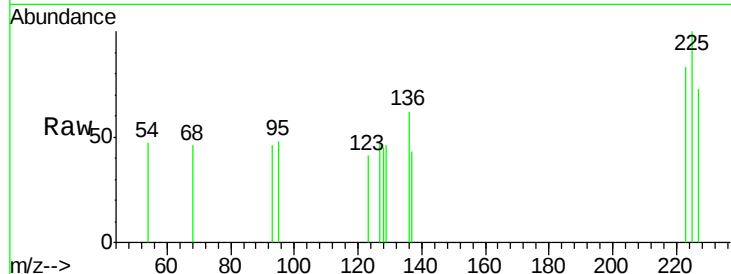




#13
Hexachlorobutadiene
Concen: 0.11 ng
RT: 11.32 min Scan# 469
Delta R.T. 0.00 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

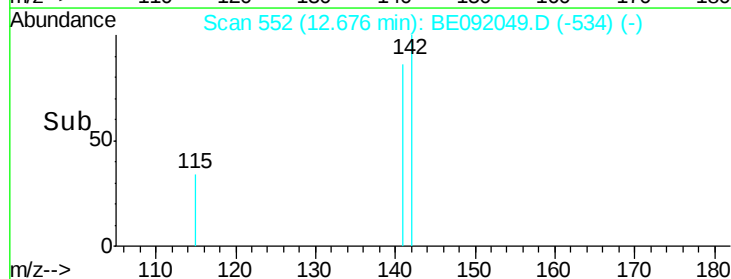
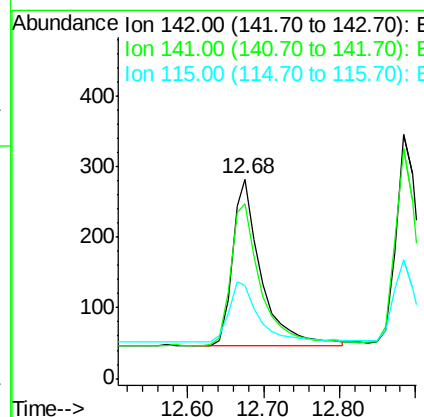
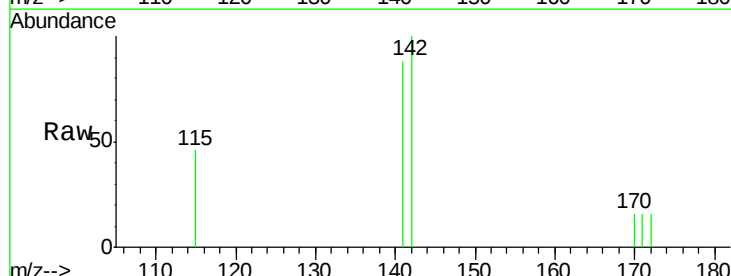
Instrument :
BNA_E
ClientSampled :
SSTDIC0.1

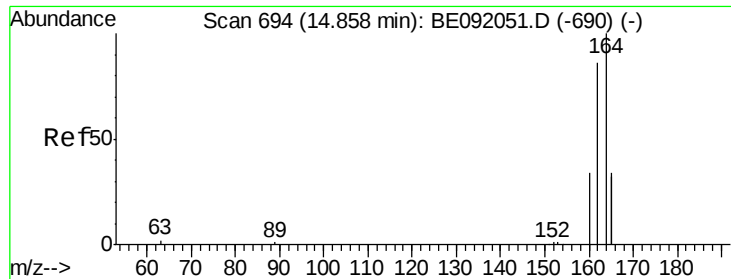
Tgt Ion: 225 Resp: 160
Ion Ratio Lower Upper
225 100
223 64.4 51.9 77.9
227 64.4 0.0 0.0#



#14
2-Methylnaphthalene
Concen: 0.11 ng
RT: 12.68 min Scan# 552
Delta R.T. 0.01 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

Tgt Ion: 142 Resp: 628
Ion Ratio Lower Upper
142 100
141 87.6 65.1 97.7
115 46.3 27.0 40.4#





#15

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.86 min Scan# 694

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

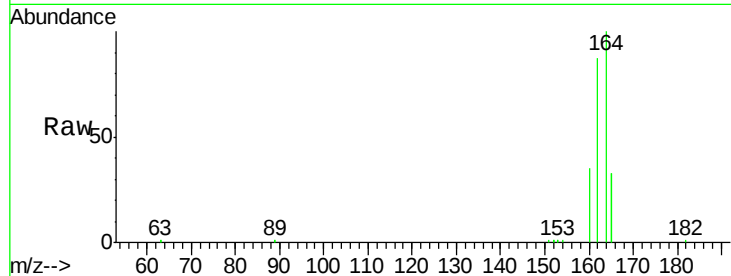
Tgt Ion:164 Resp: 18607

Ion Ratio Lower Upper

164 100

162 86.9 69.5 104.3

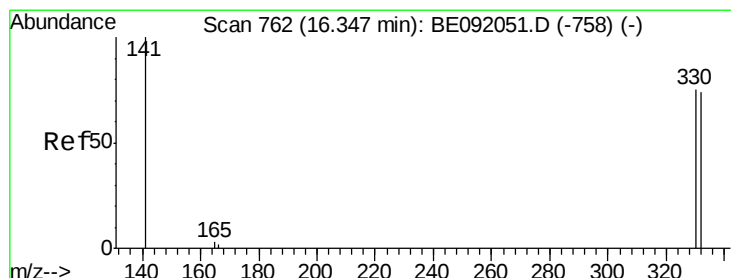
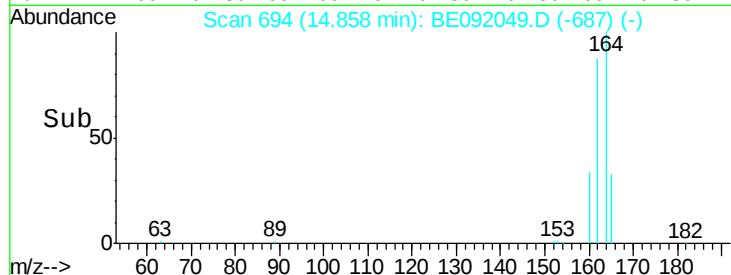
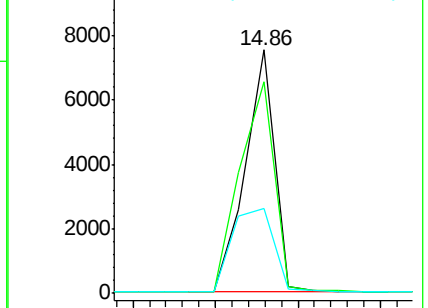
160 34.6 27.6 41.4



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



#16

2,4,6-Tribromophenol

Concen: 0.12 ng

RT: 16.35 min Scan# 762

Delta R.T. -0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

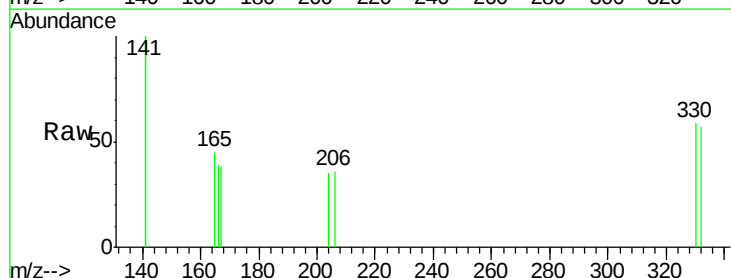
Tgt Ion:330 Resp: 71

Ion Ratio Lower Upper

330 100

332 100.0 74.2 111.4

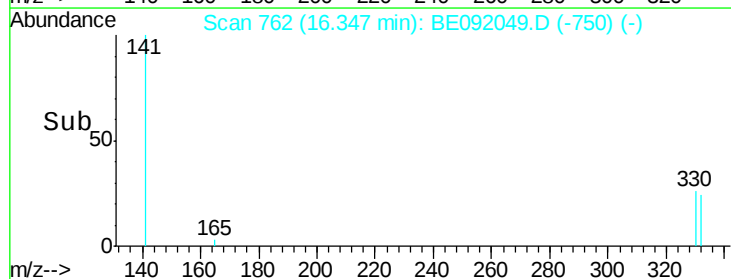
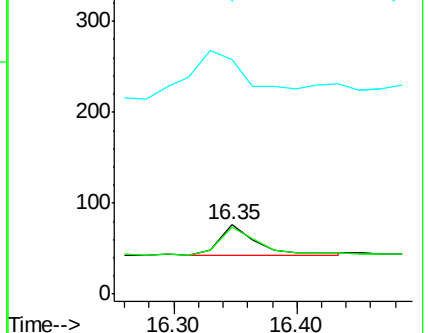
141 257.7 139.8 209.8#

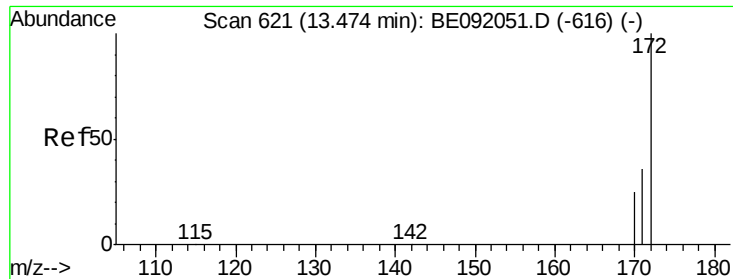


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

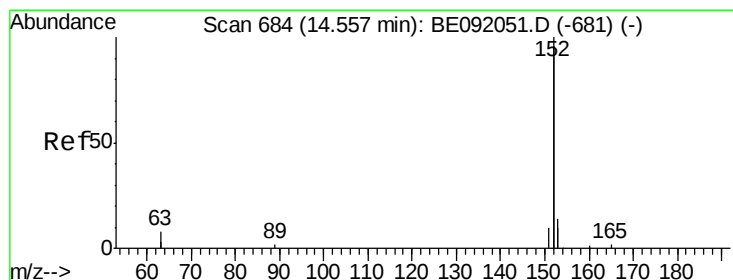
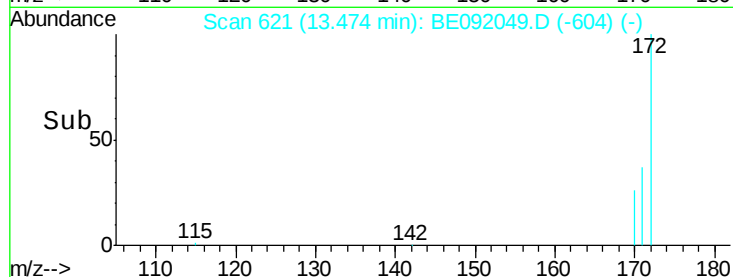
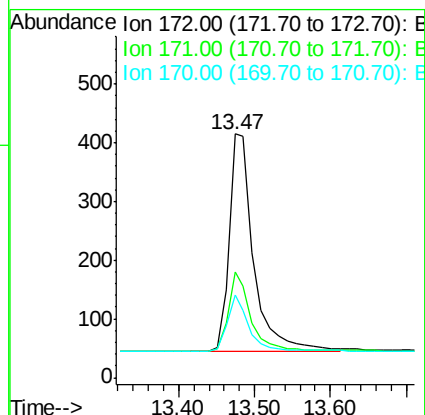
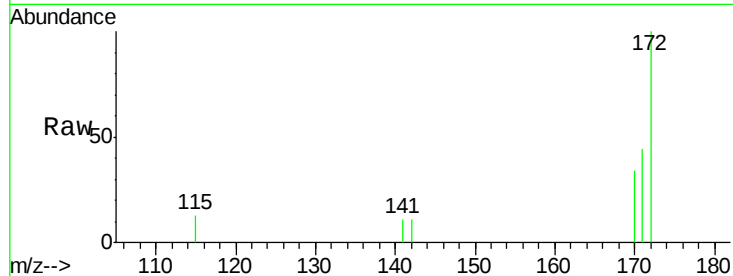




#17
 2-Fluorobiphenyl
 Concen: 0.11 ng
 RT: 13.47 min Scan# 621
 Delta R.T. 0.00 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

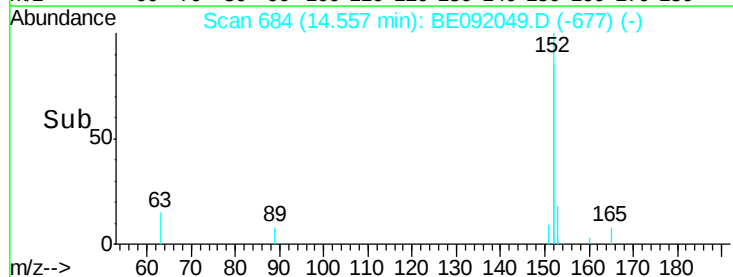
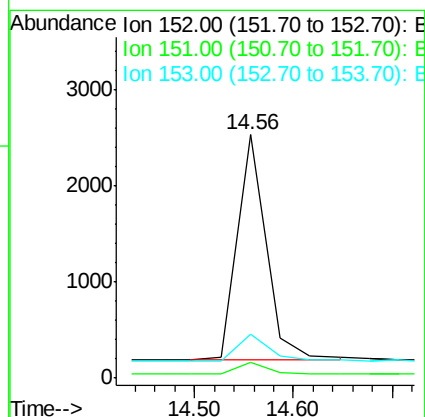
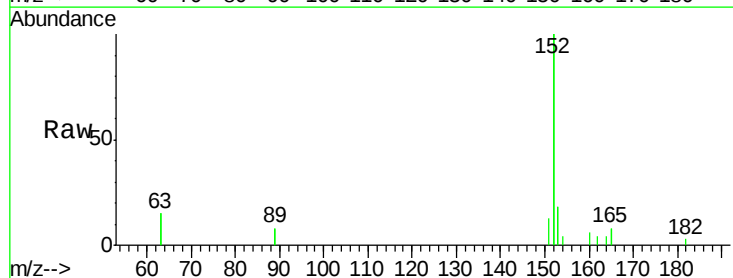
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

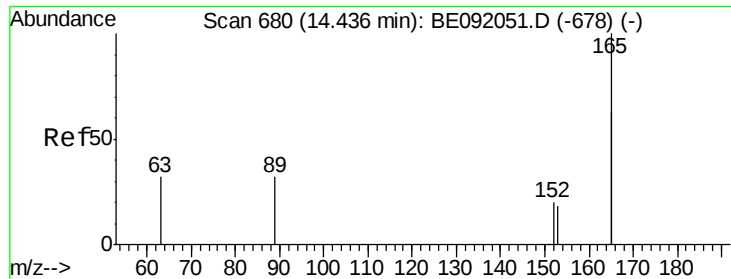
Tgt Ion:172 Resp: 851
 Ion Ratio Lower Upper
 172 100
 171 43.6 30.3 45.5
 170 34.0 21.6 32.4#



#18
 Acenaphthylene
 Concen: 0.11 ng
 RT: 14.56 min Scan# 684
 Delta R.T. 0.00 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

Tgt Ion:152 Resp: 4830
 Ion Ratio Lower Upper
 152 100
 151 5.1 4.0 6.0
 153 12.4 9.6 14.4

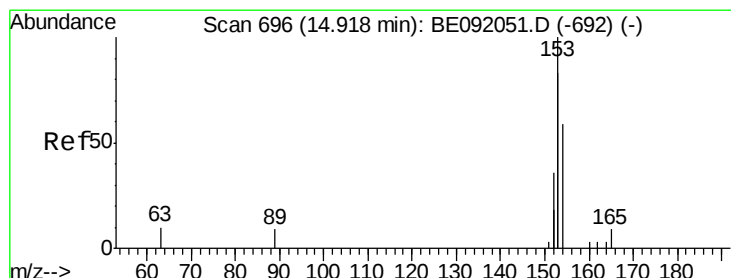
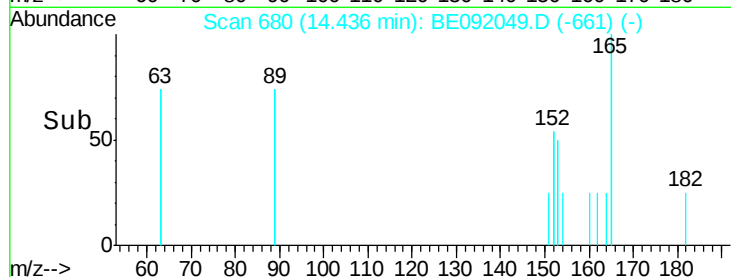
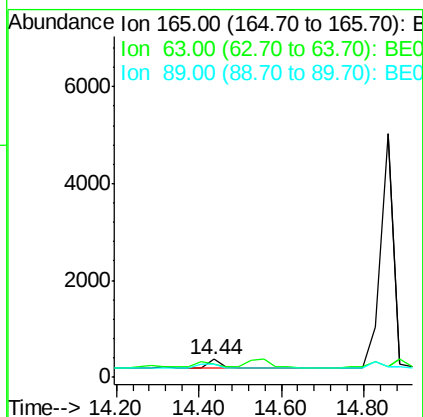
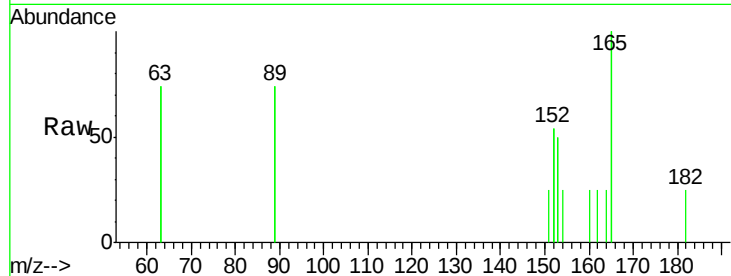




#19
2,6-Dinitrotoluene
Concen: 0.11 ng
RT: 14.44 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

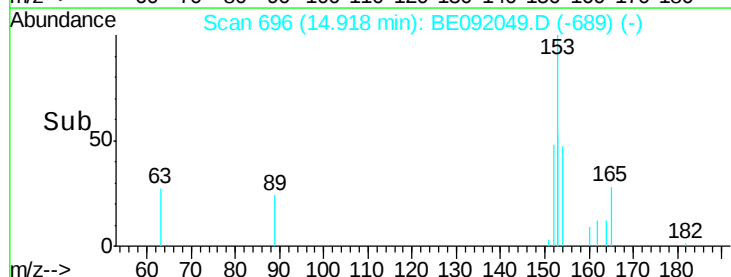
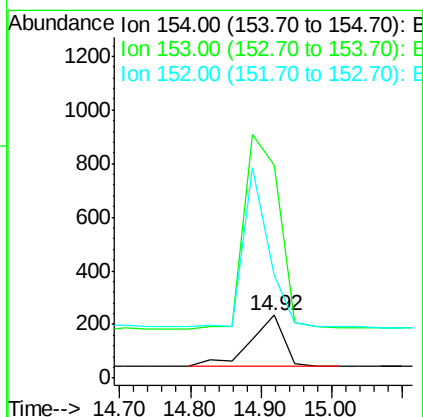
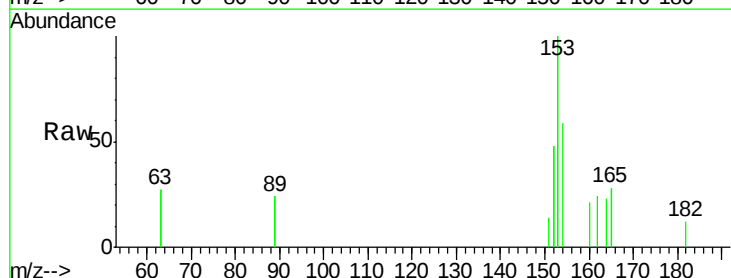
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

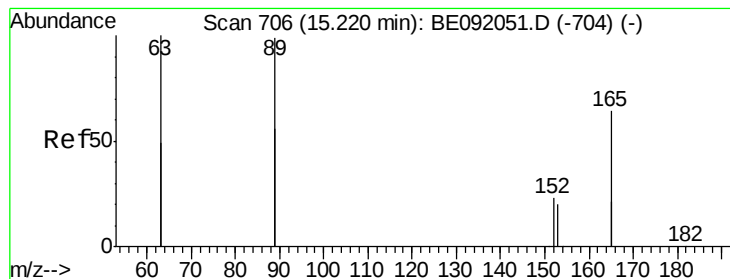
Tgt Ion:165 Resp: 470
Ion Ratio Lower Upper
165 100
63 0.0 0.0 0.0
89 212.1 0.0 0.0#



#20
Acenaphthene
Concen: 0.11 ng
RT: 14.92 min Scan# 696
Delta R.T. 0.00 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

Tgt Ion:154 Resp: 622
Ion Ratio Lower Upper
154 100
153 0.0 345.1 517.7#
152 0.0 0.0 0.0





#21

2,4-Dinitrotoluene

Concen: 0.11 ng

RT: 15.25 min Scan# 707

Delta R.T. 0.03 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

Tgt Ion:165 Resp: 402

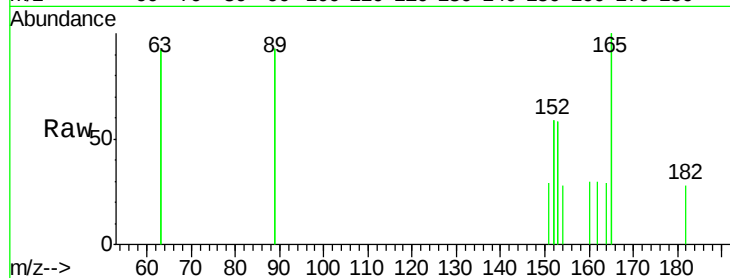
Ion Ratio Lower Upper

165 100

63 0.0 324.0 486.0#

89 0.0 308.4 462.6#

182 0.0 0.0 0.0

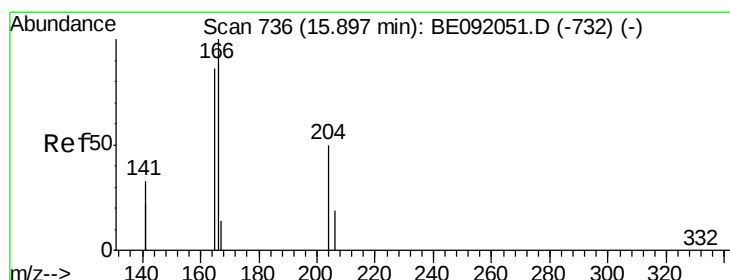
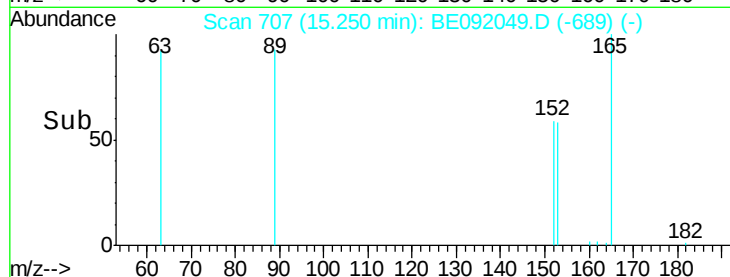
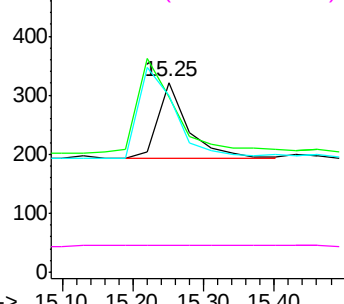


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BE0

Ion 89.00 (88.70 to 89.70): BE0

Ion 182.00 (181.70 to 182.70): E



#22

Fluorene

Concen: 0.11 ng

RT: 15.90 min Scan# 736

Delta R.T. -0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

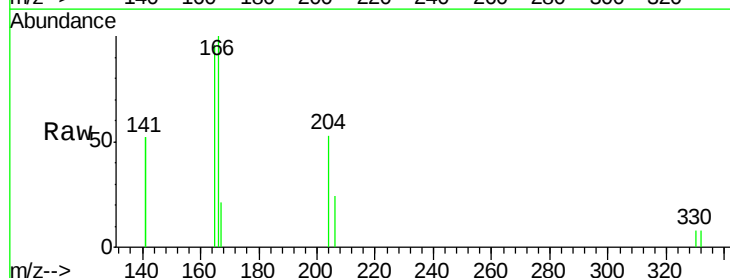
Tgt Ion:166 Resp: 872

Ion Ratio Lower Upper

166 100

165 98.3 78.6 118.0

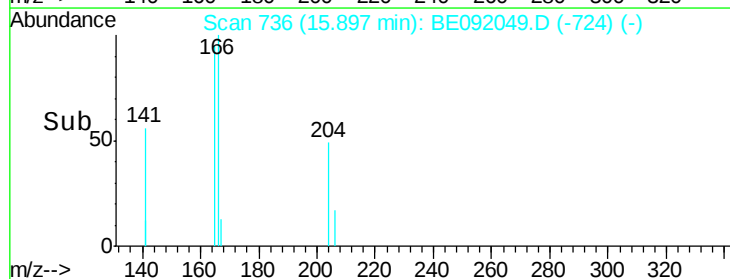
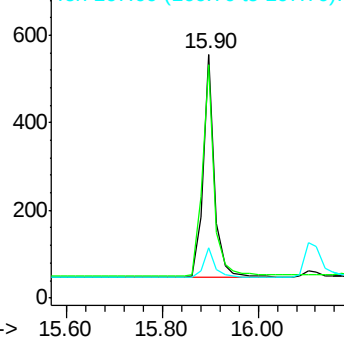
167 15.1 11.1 16.7

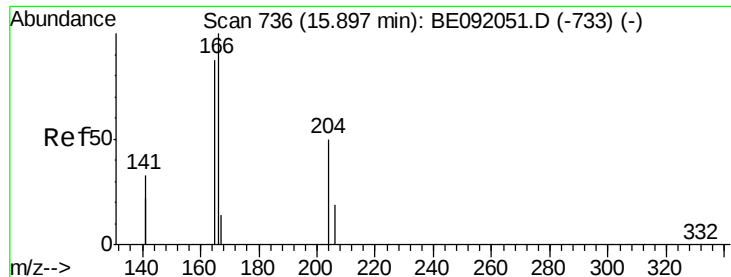


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

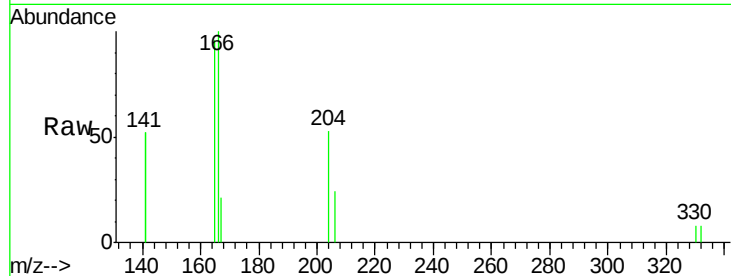




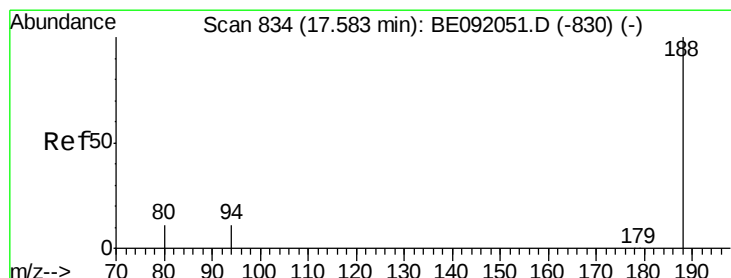
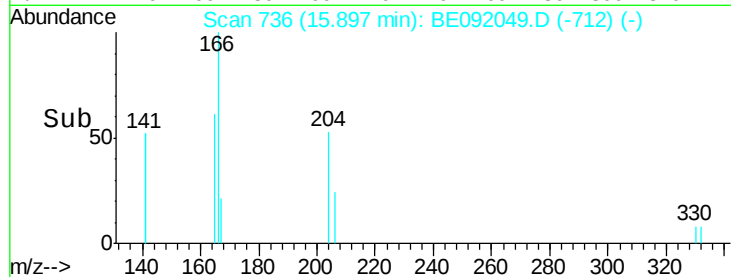
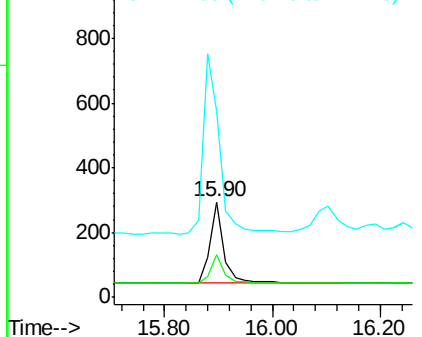
#23
4-Chlorophenyl-phenylether
Concen: 0.11 ng
RT: 15.90 min Scan# 736
Delta R.T. -0.00 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

Tgt Ion: 204 Resp: 460
Ion Ratio Lower Upper
204 100
206 31.7 27.0 40.4
141 415.7 198.5 297.7#

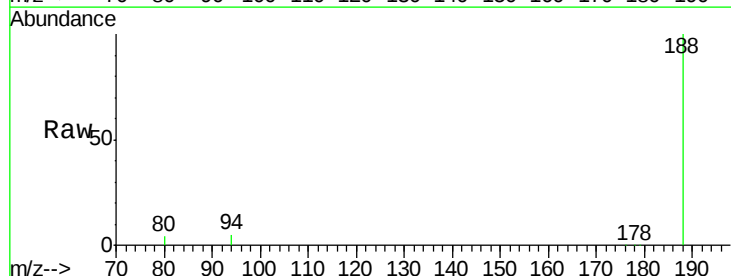


Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E

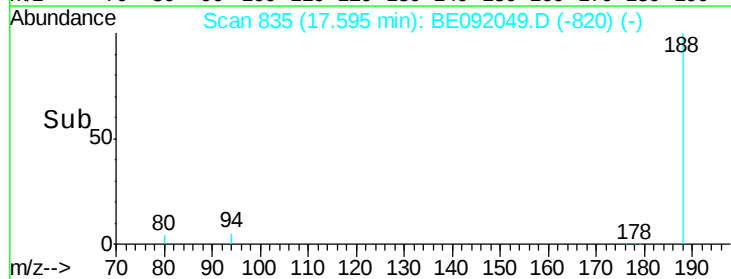
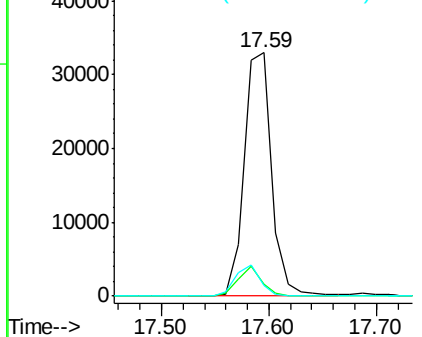


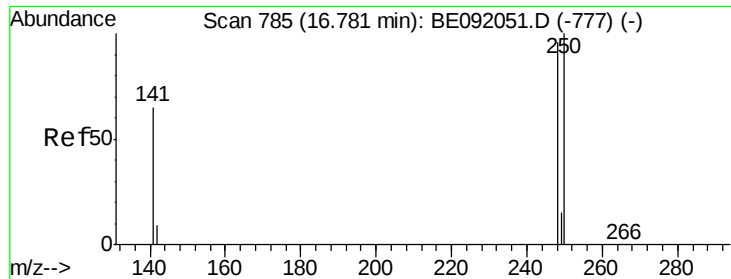
#24
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.59 min Scan# 835
Delta R.T. 0.01 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

Tgt Ion: 188 Resp: 57950
Ion Ratio Lower Upper
188 100
94 5.1 3.9 5.9
80 4.2 3.4 5.0



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

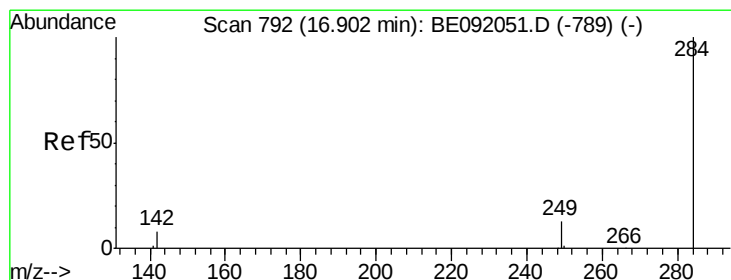
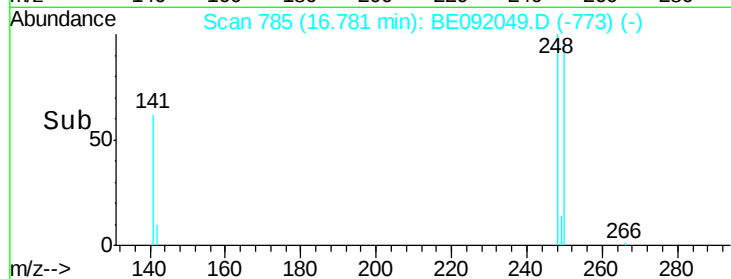
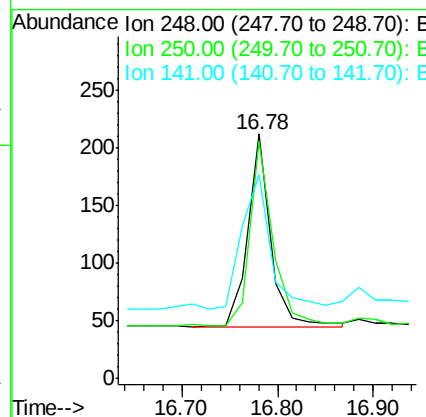
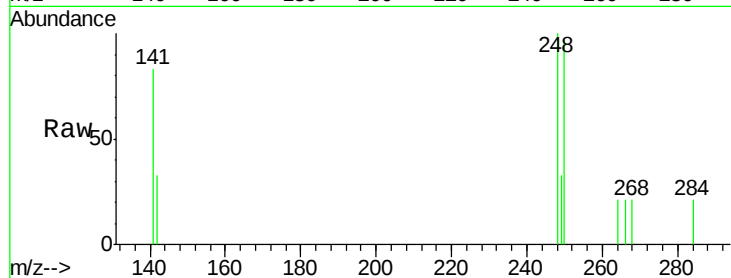




#25
4-Bromophenyl-phenylether
Concen: 0.11 ng
RT: 16.78 min Scan# 785
Delta R.T. 0.00 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

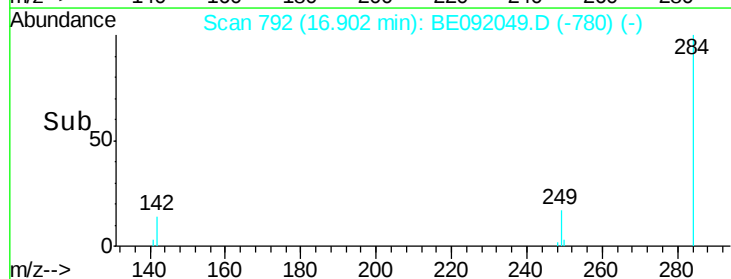
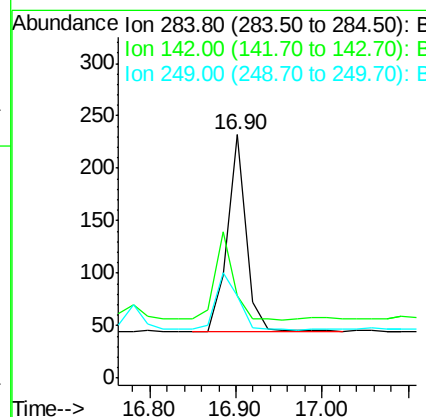
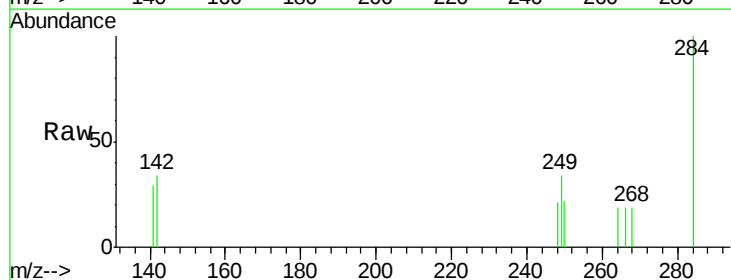
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.1

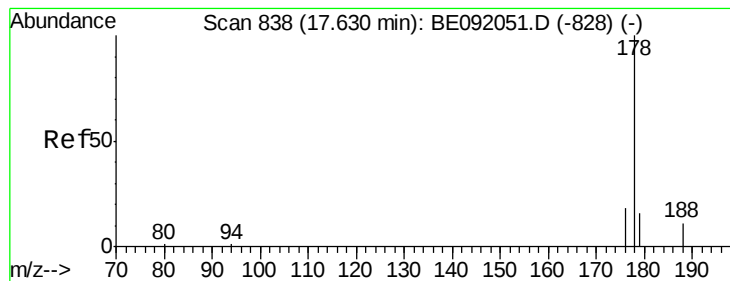
Tgt Ion:248 Resp: 281
Ion Ratio Lower Upper
248 100
250 95.7 79.6 119.4
141 88.3 68.7 103.1



#26
Hexachlorobenzene
Concen: 0.11 ng
RT: 16.90 min Scan# 792
Delta R.T. 0.00 min
Lab File: BE092049.D
Acq: 27 Jul 2016 10:06

Tgt Ion:284 Resp: 288
Ion Ratio Lower Upper
284 100
142 46.5 33.3 49.9
249 34.4 25.4 38.0





#28

Phenanthrene

Concen: 0.11 ng

RT: 17.63 min Scan# 838

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

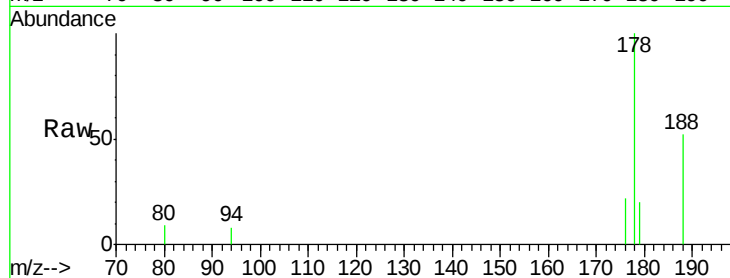
Tgt Ion:178 Resp: 1785

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

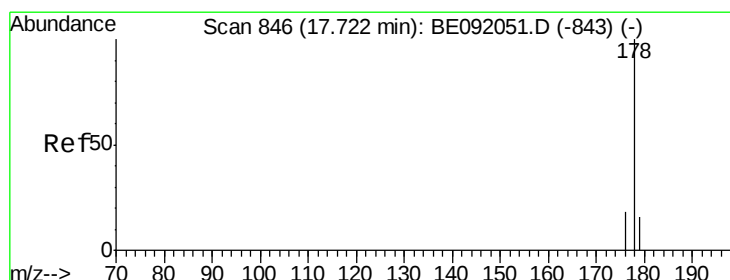
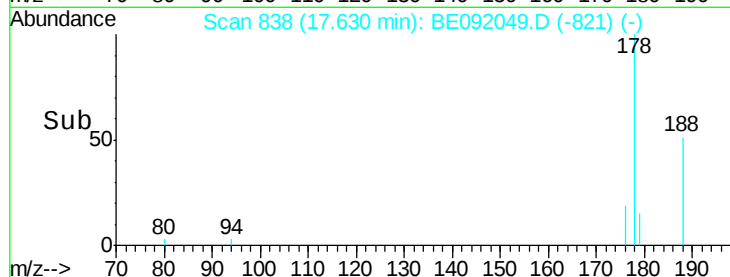
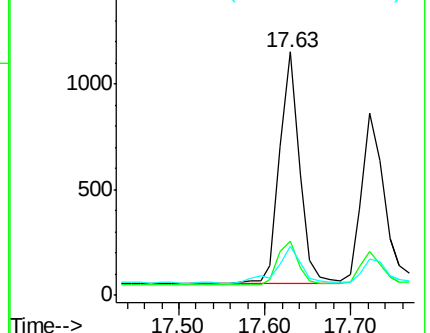
179 18.4 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#29

Anthracene

Concen: 0.11 ng

RT: 17.72 min Scan# 846

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

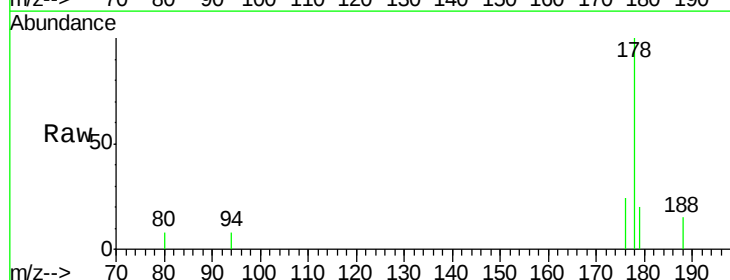
Tgt Ion:178 Resp: 1517

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

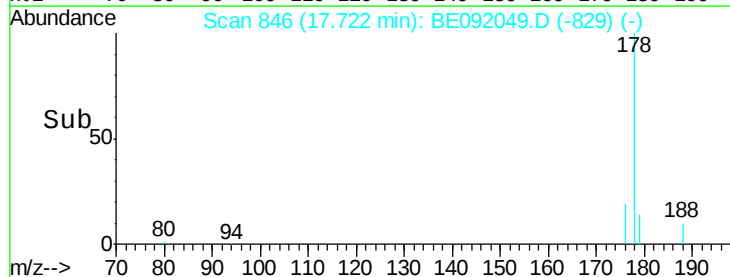
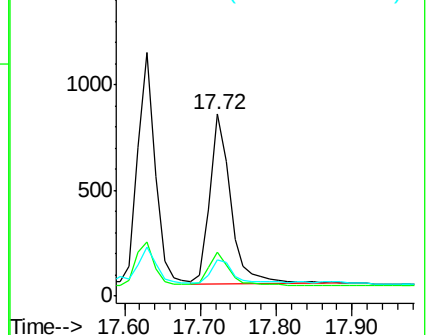
179 15.1 12.2 18.4

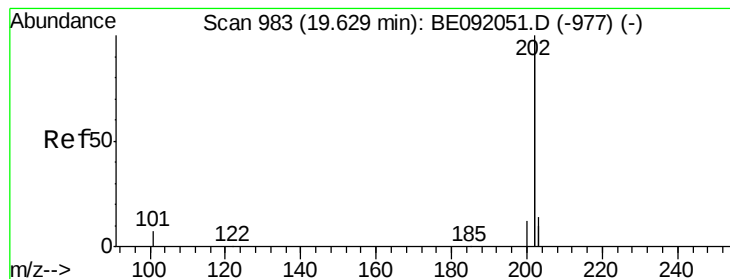


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#30

Fluoranthene

Concen: 0.13 ng

RT: 19.63 min Scan# 983

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

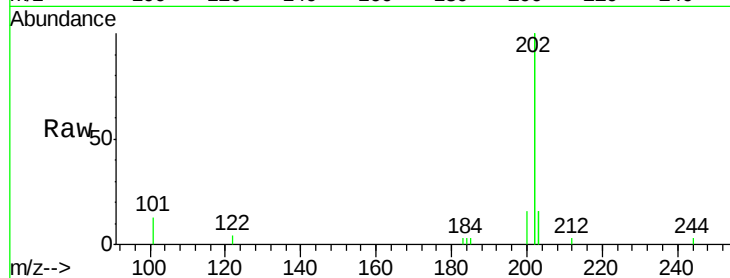
Tgt Ion:202 Resp: 8509

Ion Ratio Lower Upper

202 100

101 3.1 2.2 3.2

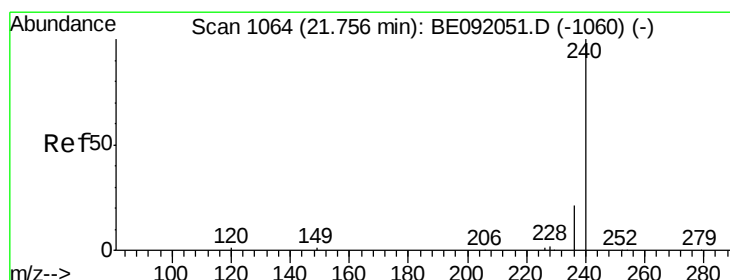
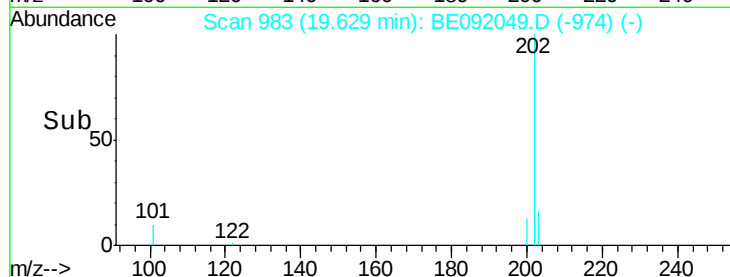
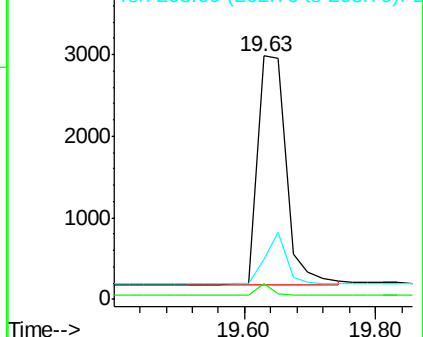
203 0.0 13.0 19.4#



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



#31

Chrysene-d12

Concen: 5.00 ng

RT: 21.76 min Scan# 1064

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

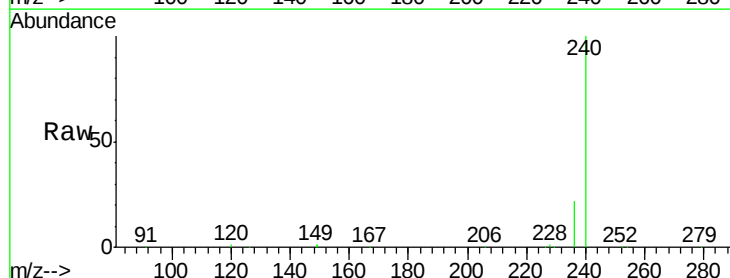
Tgt Ion:240 Resp: 72949

Ion Ratio Lower Upper

240 100

120 0.8 0.6 1.0

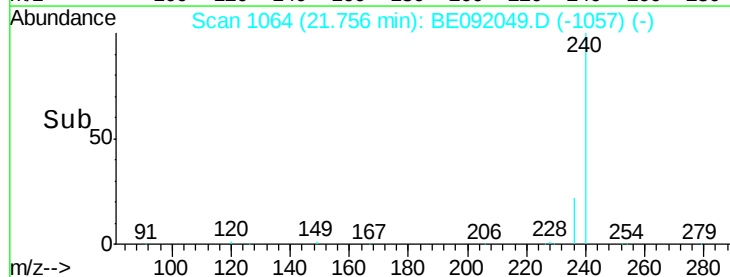
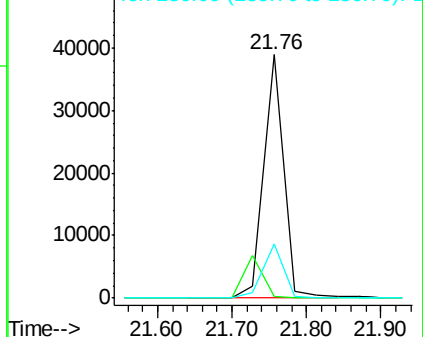
236 22.5 18.2 27.4

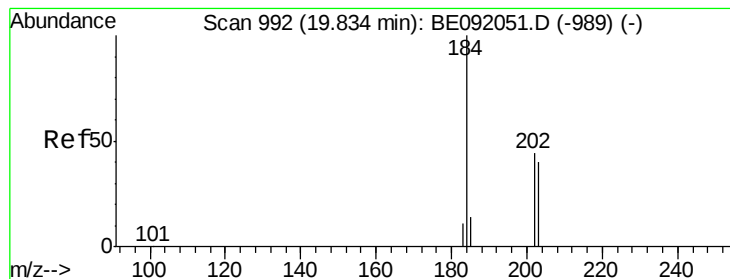


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#32

Benzidine

Concen: 0.09 ng

RT: 19.86 min Scan# 993

Delta R.T. 0.02 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

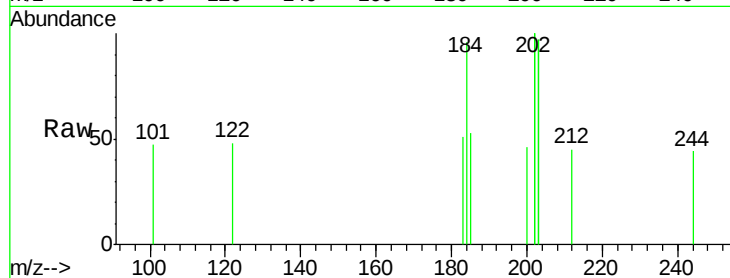
Tgt Ion:184 Resp: 212

Ion Ratio Lower Upper

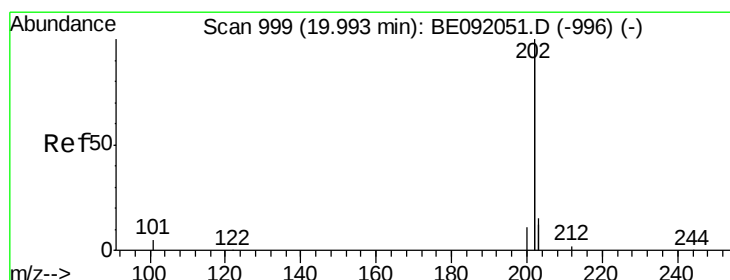
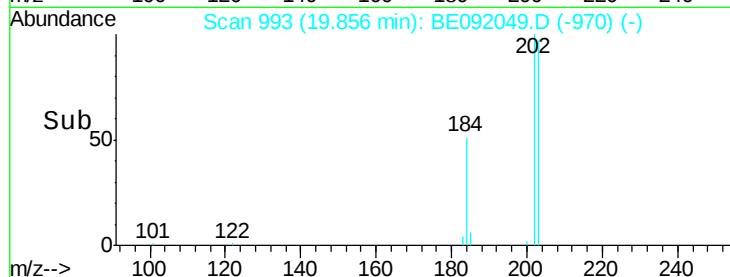
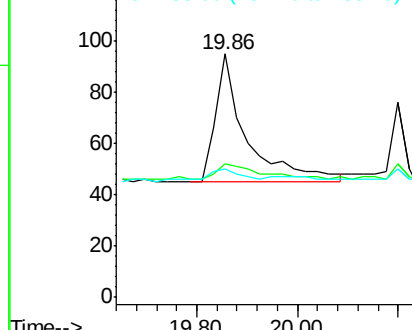
184 100

185 54.7 23.8 35.6#

183 52.6 20.7 31.1#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#33

Pyrene

Concen: 0.11 ng

RT: 19.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

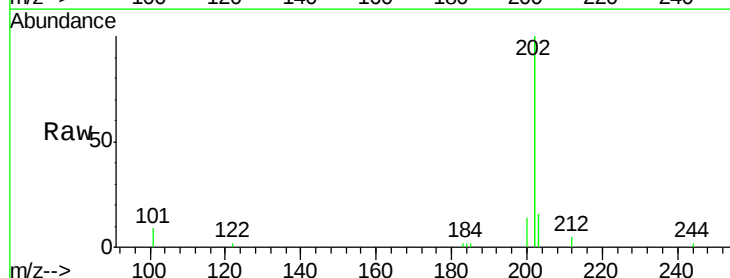
Tgt Ion:202 Resp: 9616

Ion Ratio Lower Upper

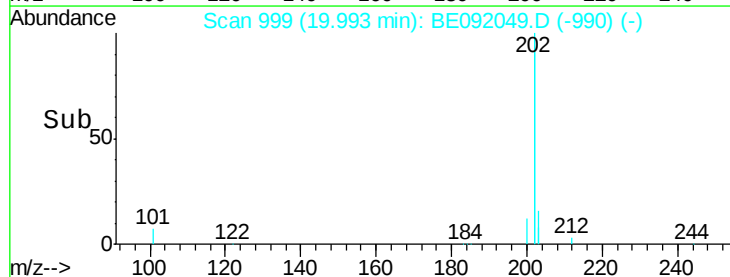
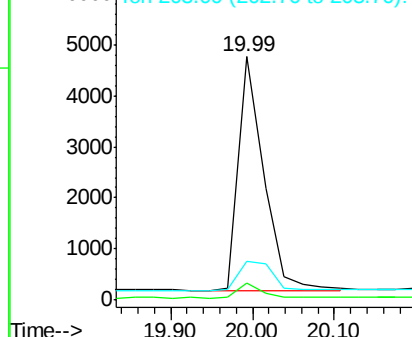
202 100

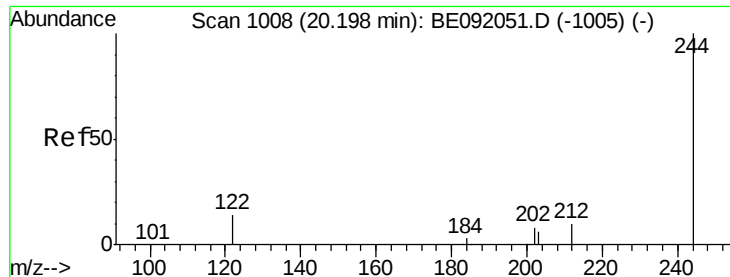
200 5.6 4.4 6.6

203 16.9 13.4 20.0



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





#34

Terphenyl-d14

Concen: 0.14 ng

RT: 20.22 min Scan# 1009

Delta R.T. 0.02 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

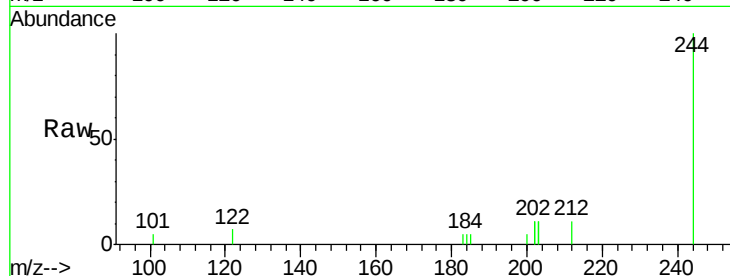
Tgt Ion:244 Resp: 2082

Ion Ratio Lower Upper

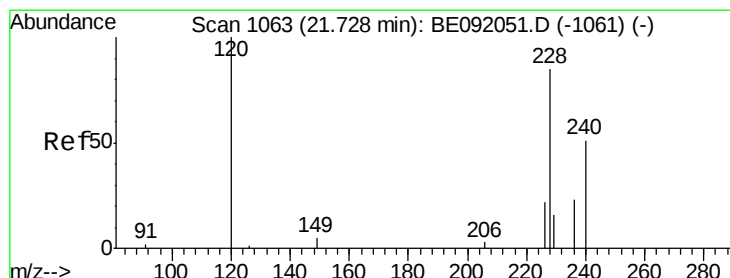
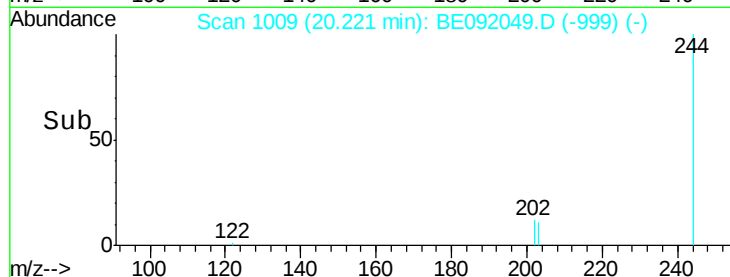
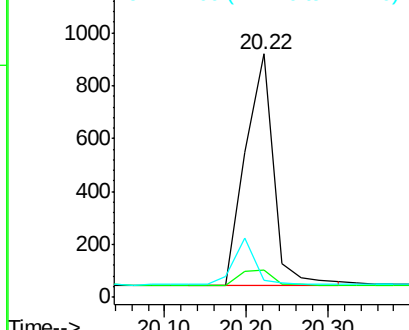
244 100

212 11.1 9.1 13.7

122 6.8 11.0 16.4#



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



#35

Benzo(a)anthracene

Concen: 0.15 ng

RT: 21.73 min Scan# 1063

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

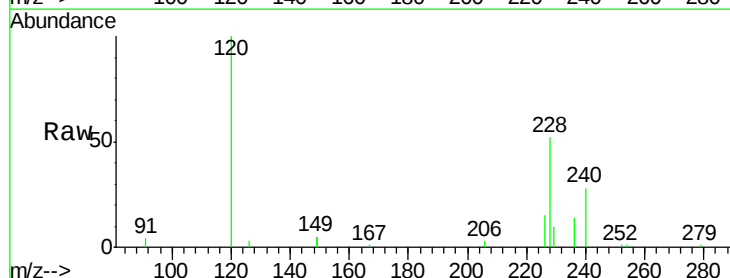
Tgt Ion:228 Resp: 6696

Ion Ratio Lower Upper

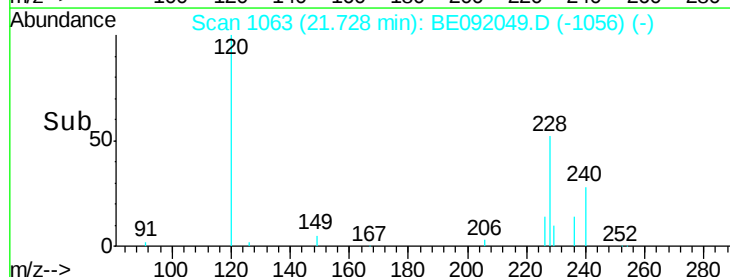
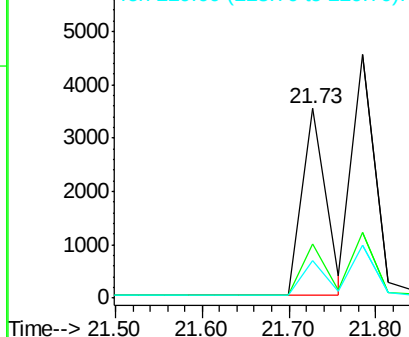
228 100

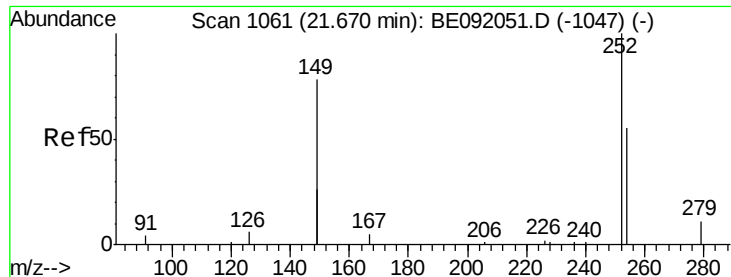
226 28.4 22.1 33.1

229 19.7 15.1 22.7



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

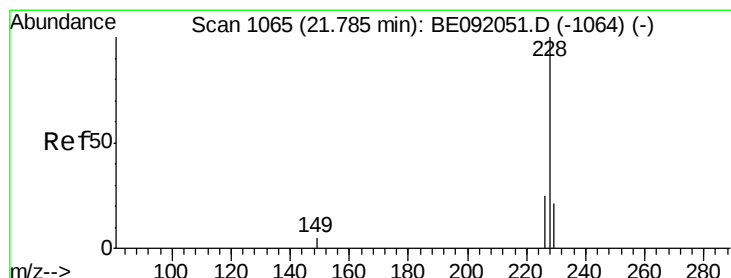
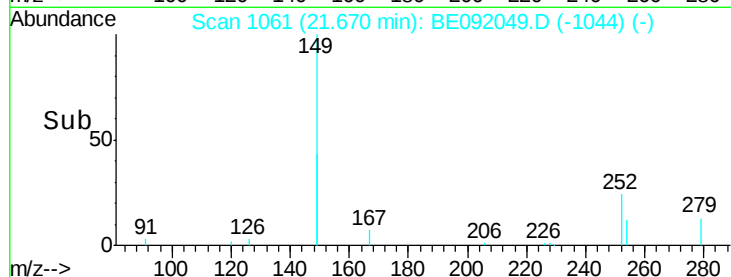
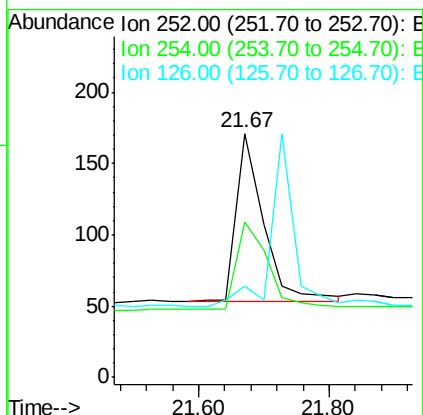
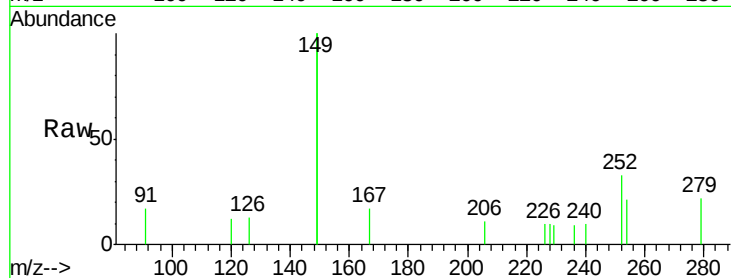




#36
 3,3'-Dichlorobenzidine
 Concen: 0.09 ng
 RT: 21.67 min Scan# 1061
 Delta R.T. 0.00 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

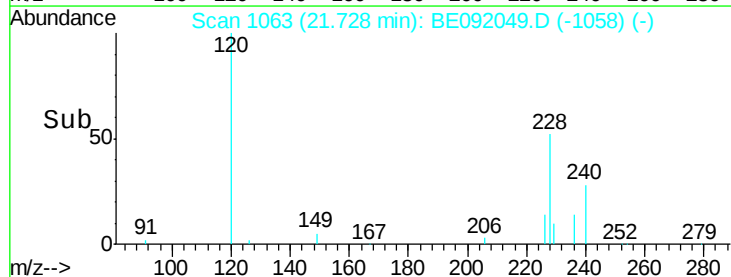
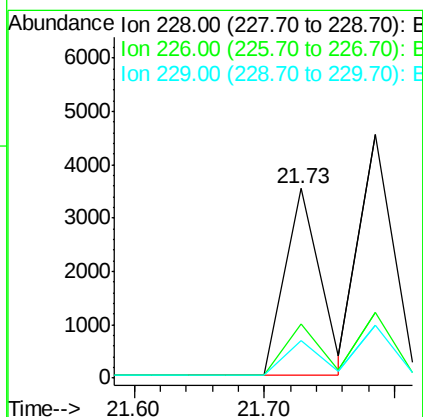
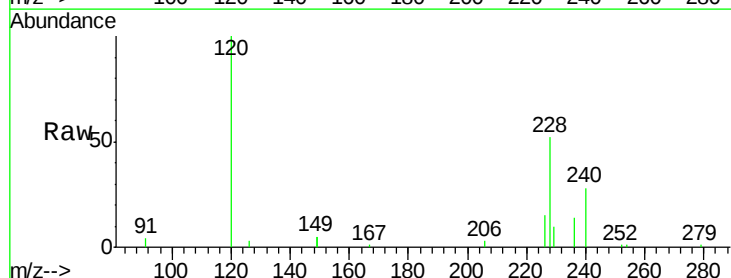
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.1

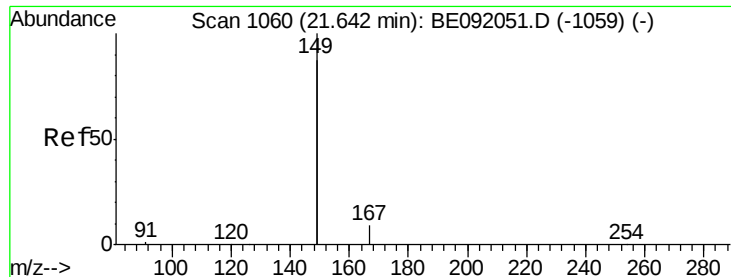
Tgt Ion: 252 Resp: 344
 Ion Ratio Lower Upper
 252 100
 254 63.7 44.2 66.2
 126 37.4 10.6 15.8#



#37
 Chrysene
 Concen: 0.13 ng
 RT: 21.73 min Scan# 1063
 Delta R.T. -0.06 min
 Lab File: BE092049.D
 Acq: 27 Jul 2016 10:06

Tgt Ion: 228 Resp: 6676
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.3 33.5
 229 19.7 16.9 25.3





#38

Bis(2-ethylhexyl)phthalate

Concen: 0.17 ng

RT: 21.64 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

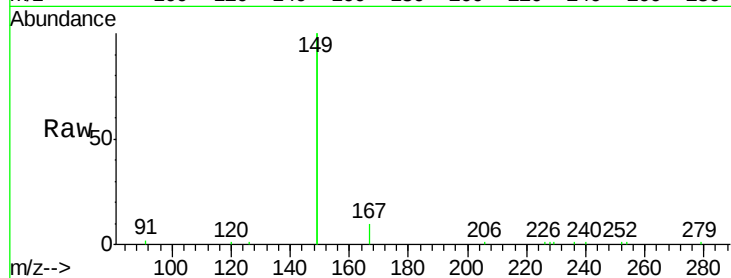
Tgt Ion:149 Resp: 15362

Ion Ratio Lower Upper

149 100

167 4.9 3.8 5.6

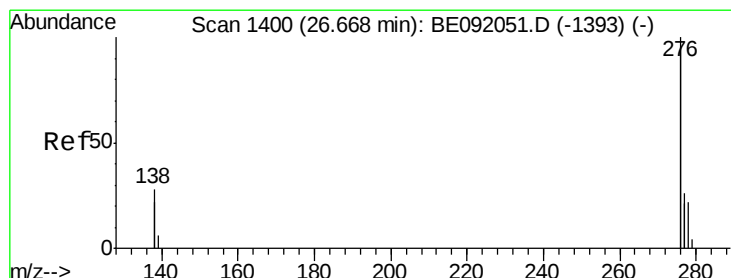
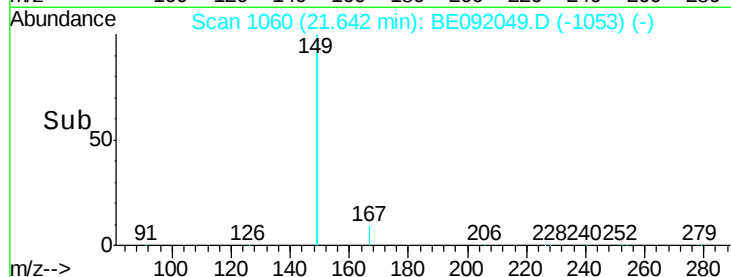
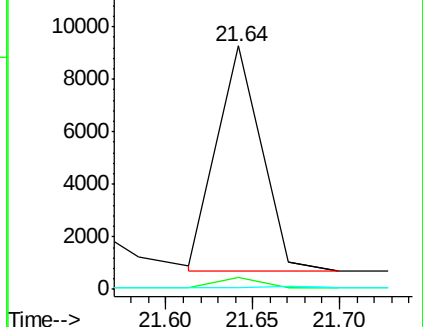
279 0.0 0.0 0.0



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



#39

Indeno(1,2,3-cd)pyrene

Concen: 0.10 ng

RT: 26.67 min Scan# 1400

Delta R.T. 0.00 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

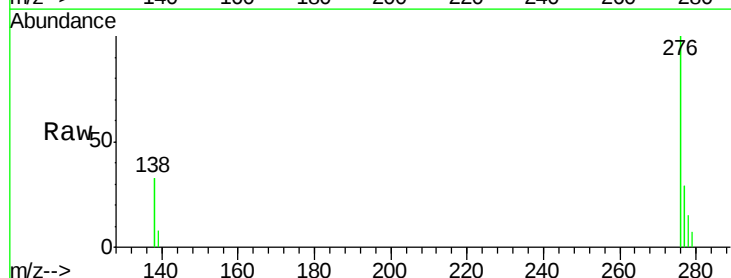
Tgt Ion:276 Resp: 8212

Ion Ratio Lower Upper

276 100

138 27.1 21.2 31.8

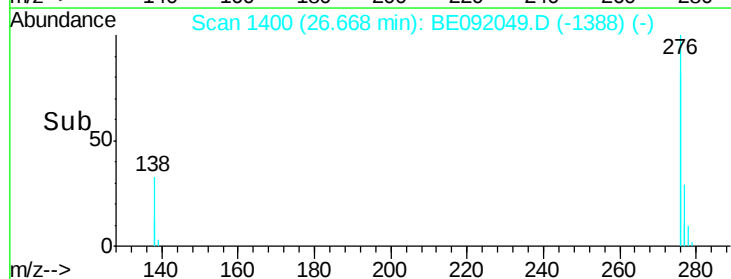
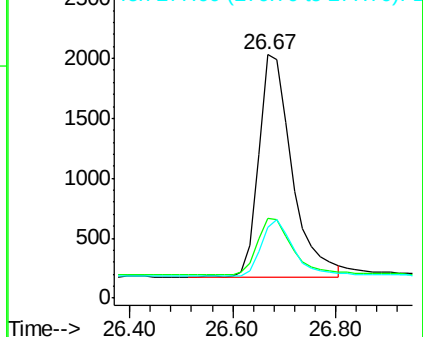
277 24.7 19.8 29.8

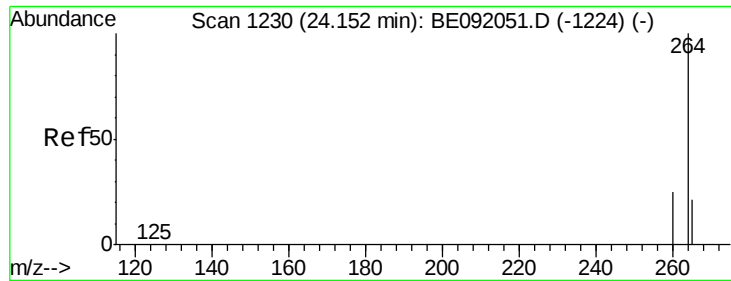


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#40

Perylene-d12

Concen: 5.00 ng

RT: 24.16 min Scan# 1231

Delta R.T. 0.01 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.1

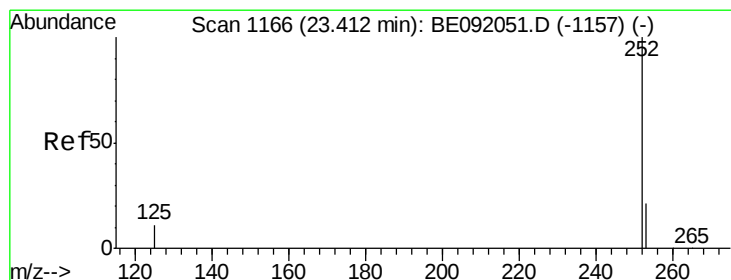
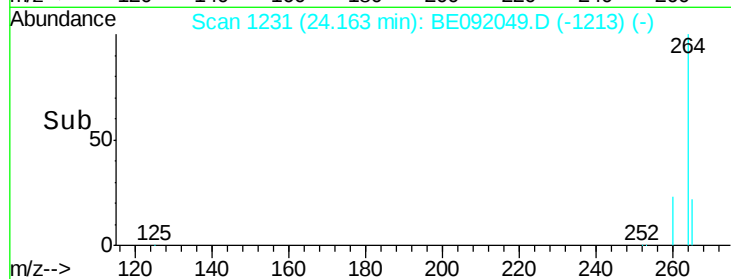
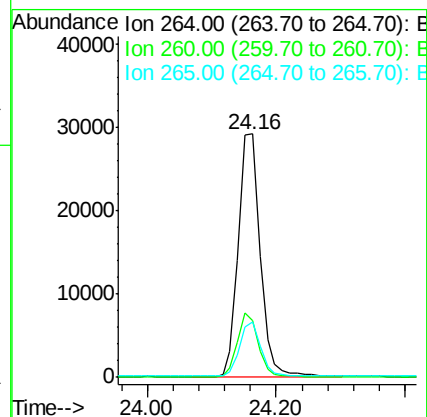
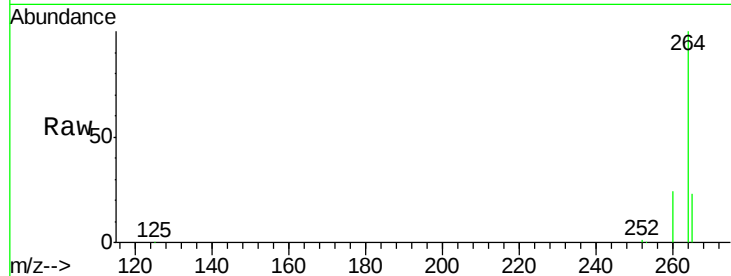
Tgt Ion:264 Resp: 68680

Ion Ratio Lower Upper

264 100

260 23.5 20.8 31.2

265 22.7 16.6 25.0



#41

Benzo(b)fluoranthene

Concen: 0.16 ng

RT: 23.42 min Scan# 1167

Delta R.T. 0.01 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

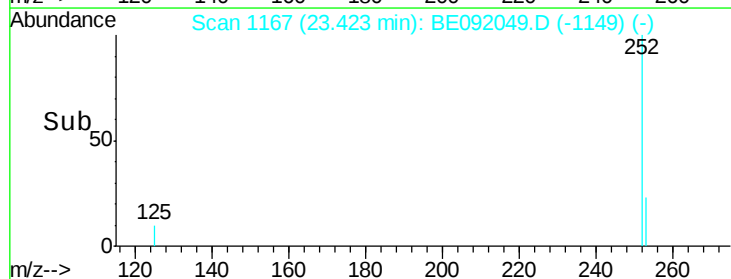
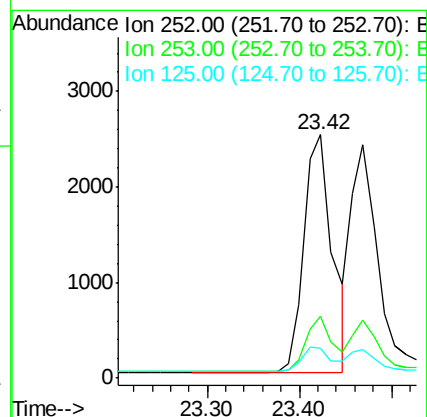
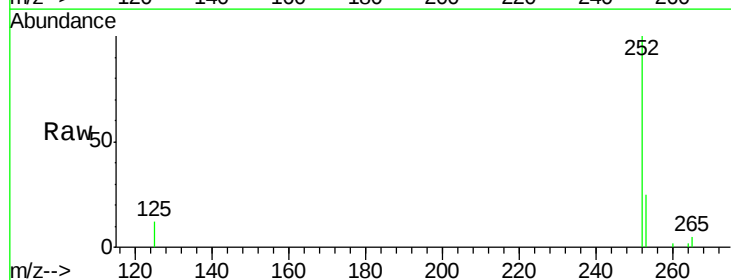
Tgt Ion:252 Resp: 5371

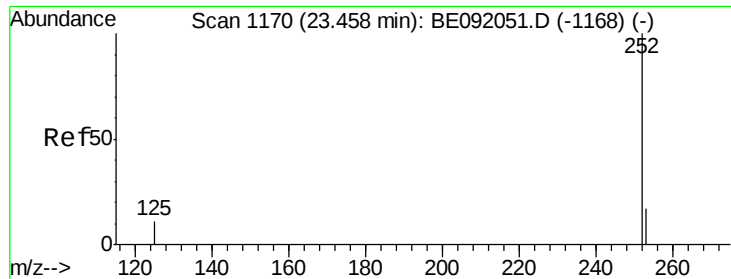
Ion Ratio Lower Upper

252 100

253 25.4 17.4 26.0

125 12.1 10.2 15.2





#42

Benzo(k)fluoranthene

Concen: 0.16 ng

RT: 23.47 min Scan# 1171

Delta R.T. 0.01 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

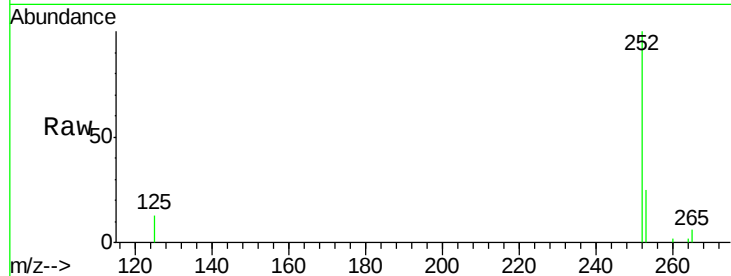
Tgt Ion:252 Resp: 4894

Ion Ratio Lower Upper

252 100

253 24.8 19.4 29.0

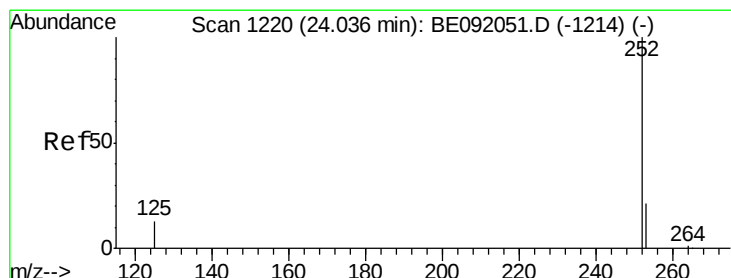
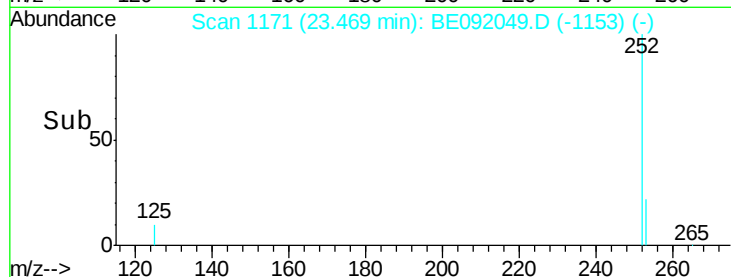
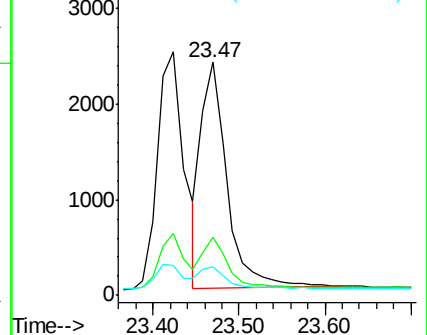
125 12.5 8.9 13.3



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



#43

Benzo(a)pyrene

Concen: 0.14 ng

RT: 24.05 min Scan# 1221

Delta R.T. 0.01 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

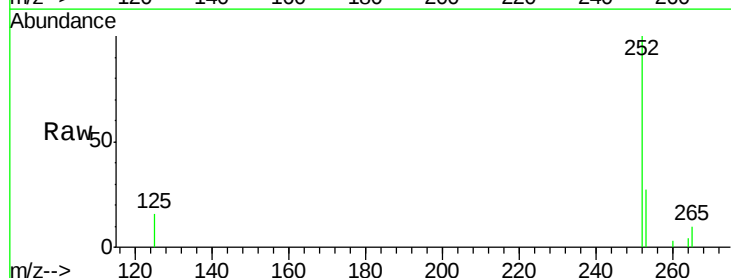
Tgt Ion:252 Resp: 3065

Ion Ratio Lower Upper

252 100

253 26.5 19.8 29.8

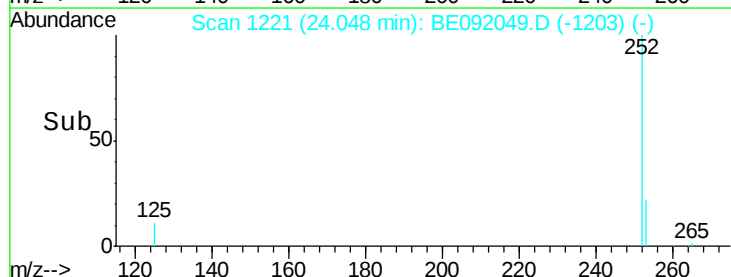
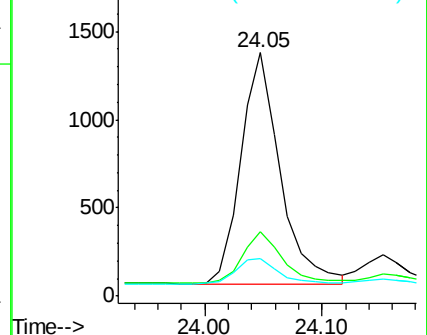
125 15.6 10.4 15.6

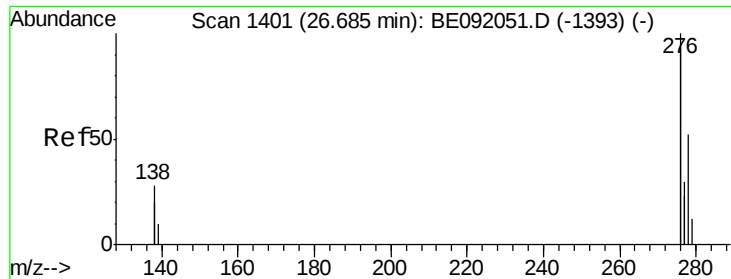


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#44

Dibenzo(a,h)anthracene

Concen: 0.11 ng

RT: 26.70 min Scan# 1402

Delta R.T. 0.02 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.1

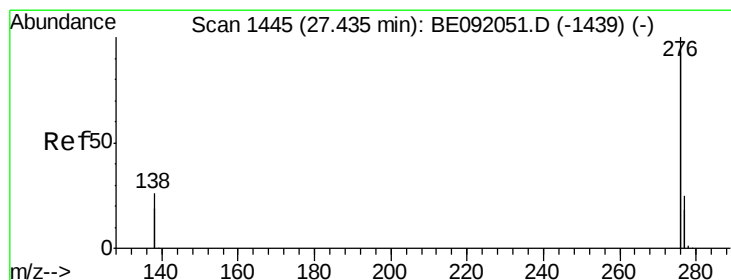
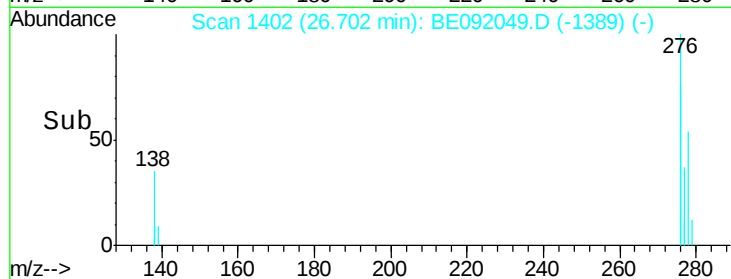
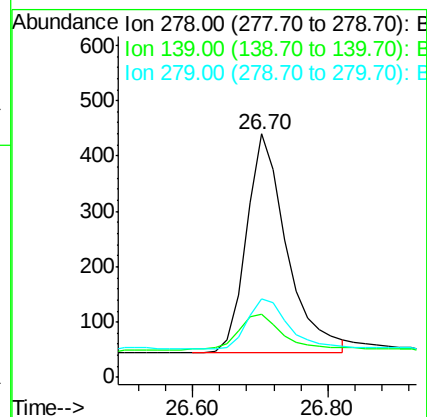
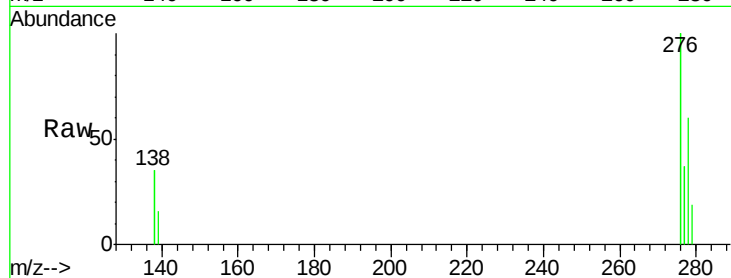
Tgt Ion:278 Resp: 1633

Ion Ratio Lower Upper

278 100

139 26.1 16.7 25.1#

279 32.0 20.3 30.5#



#45

Benzo(g,h,i)perylene

Concen: 0.11 ng

RT: 27.45 min Scan# 1446

Delta R.T. 0.02 min

Lab File: BE092049.D

Acq: 27 Jul 2016 10:06

Tgt Ion:276 Resp: 7077

Ion Ratio Lower Upper

276 100

277 31.2 19.5 29.3#

138 31.0 20.8 31.2

