

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE012915\
 Data File : BE089413.D
 Acq On : 29 Jan 2015 13:19
 Operator : TP/IZ
 Sample : SSTDICCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 LabSampleId :
 SSTDICCC001

Quant Time: Jan 30 02:44:42 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-BE012915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 30 02:34:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.58	152	172715	5.00	ng	0.00
7) Naphthalene-d8	12.50	136	627822	5.00	ng	0.00
13) Acenaphthene-d10	16.68	164	239675	5.00	ng	0.00
17) Phenanthrene-d10	19.99	188	479216	5.00	ng	0.00
20) Chrysene-d12	23.84	240	648652	5.00	ng	0.00
27) Perylene-d12	25.55	264	691358	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	6.74	112	61007	1.10	ng	0.00
4) Phenol-d6	8.85	99	72163	1.06	ng	0.00
8) Nitrobenzene-d5	10.84	82	48746	1.08	ng	0.00
14) 2,4,6-Tribromophenol	18.57	330	6328	1.14	ng	0.00
15) 2-Fluorobiphenyl	15.13	172	64150	0.89	ng	0.00
22) Terphenyl-d14	22.48	244	74711	1.04	ng	0.00

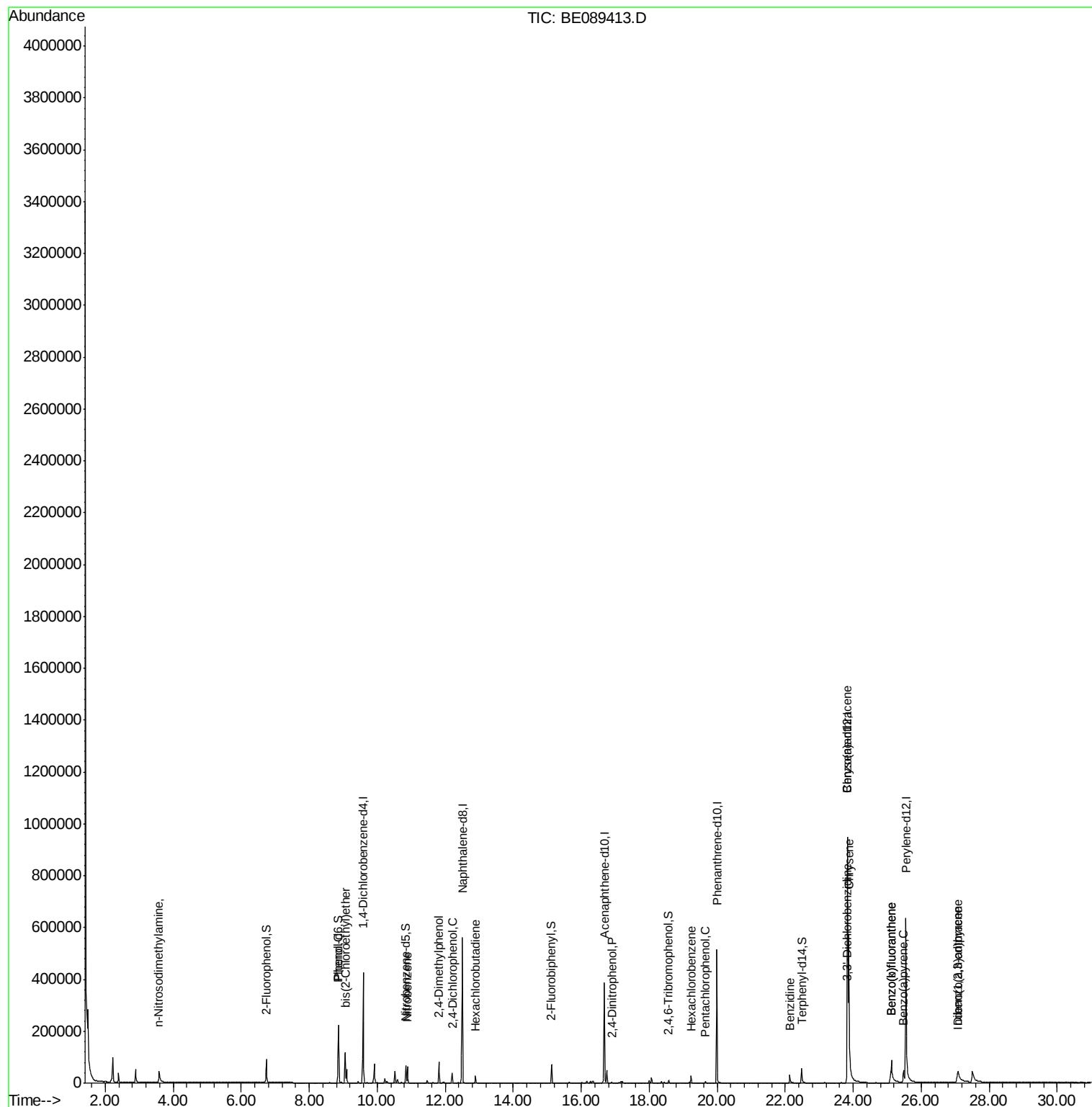
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.58	42	35276	1.20	ng	100
5) Phenol	8.87	94	78953	1.09	ng	100
6) bis(2-Chloroethyl)ether	9.06	93	58655	1.09	ng	# 100
9) Nitrobenzene	10.89	77	55865	1.09	ng	100
10) 2,4-Dimethylphenol	11.82	122	39111	1.02	ng	100
11) 2,4-Dichlorophenol	12.21	162	27808	0.95	ng	100
12) Hexachlorobutadiene	12.89	225	18147	0.88	ng	100
16) 2,4-Dinitrophenol	16.89	184	1173	0.72	ng	100
18) Hexachlorobenzene	19.23	284	22085	0.99	ng	100
19) Pentachlorophenol	19.65	266	3679	0.86	ng	100
21) Benzidine	22.14	184	37078	0.71	ng	100
23) Benzo(a)anthracene	23.83	228	472429	0.80	ng	100
24) 3,3'-Dichlorobenzidine	23.81	252	35384	0.75	ng	100
25) Chrysene	23.87	228	631594	0.87	ng	100
26) Indeno(1,2,3-cd)pyrene	27.06	276	103305	0.62	ng	# 100
28) Benzo(b)fluoranthene	25.13	252	251297	2.87	ng	99
29) Benzo(k)fluoranthene	25.13	252	254520	1.28	ng	100
30) Benzo(a)pyrene	25.48	252	75116	0.71	ng	100
31) Dibenzo(a,h)anthracene	27.08	278	74833	0.69	ng	100

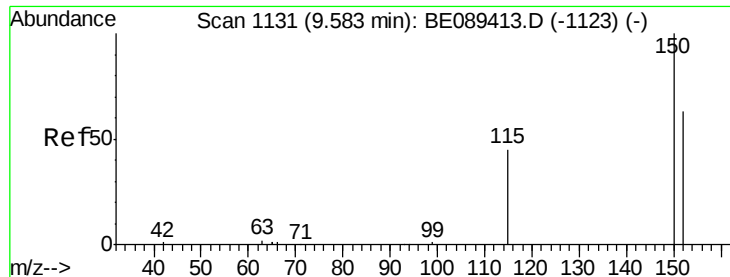
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 9.58 min Scan# 1131

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

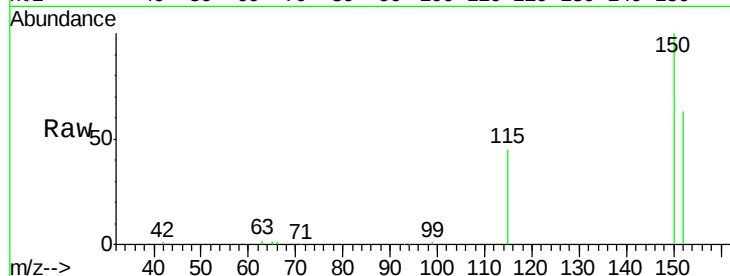
Tgt Ion: 152 Resp: 172715

Ion Ratio Lower Upper

152 100

150 157.6 126.1 189.1

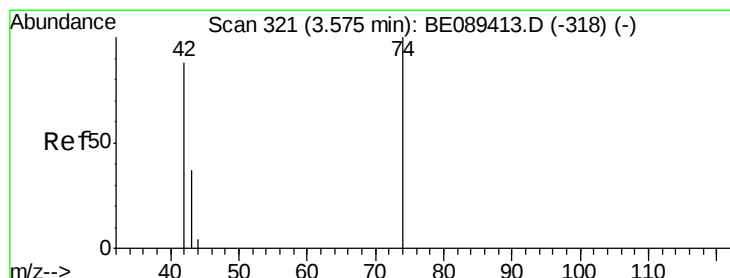
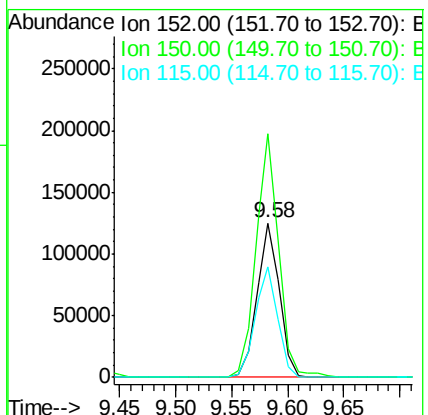
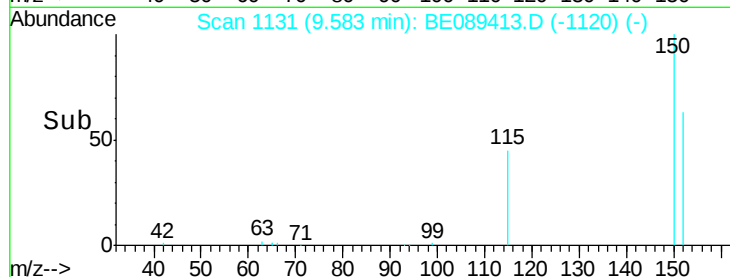
115 71.4 57.1 85.7



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

n-Nitrosodimethylamine

Concen: 1.20 ng

RT: 3.58 min Scan# 321

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

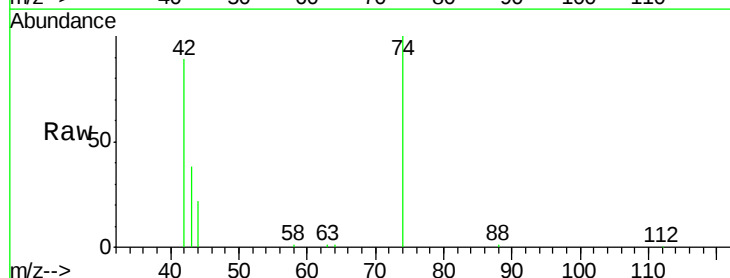
Tgt Ion: 42 Resp: 35276

Ion Ratio Lower Upper

42 100

74 112.7 90.2 135.2

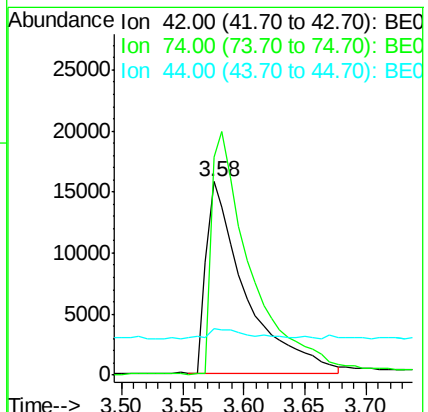
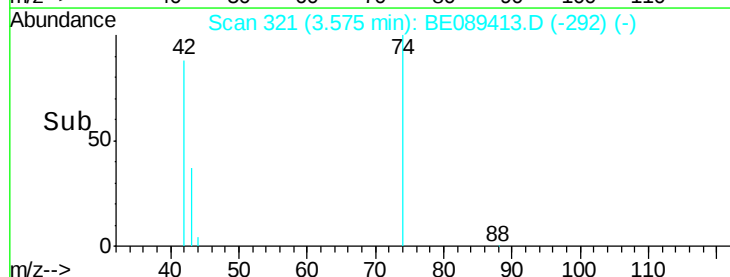
44 24.3 19.4 29.2

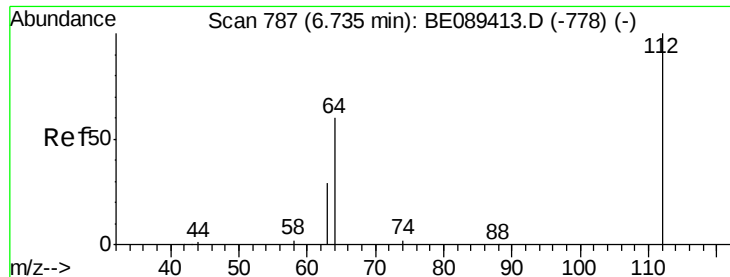


Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

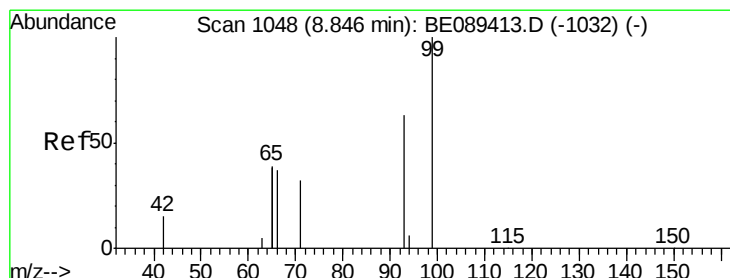
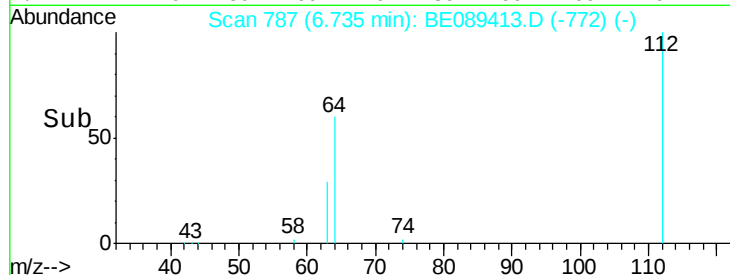
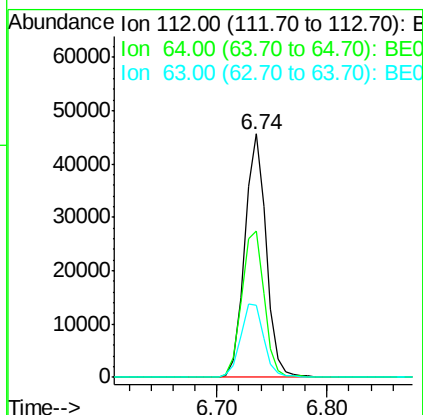
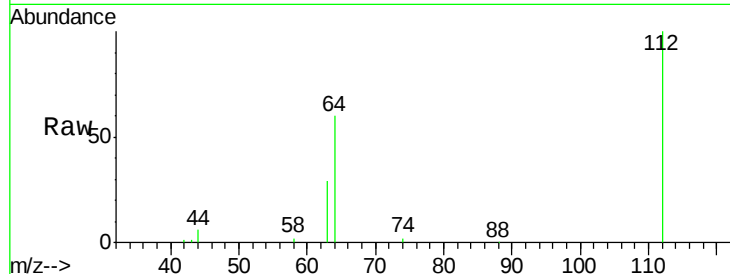




#3
 2-Fluorophenol
 Concen: 1.10 ng
 RT: 6.74 min Scan# 787
 Delta R.T. 0.00 min
 Lab File: BE089413.D
 Acq: 29 Jan 2015 13:19

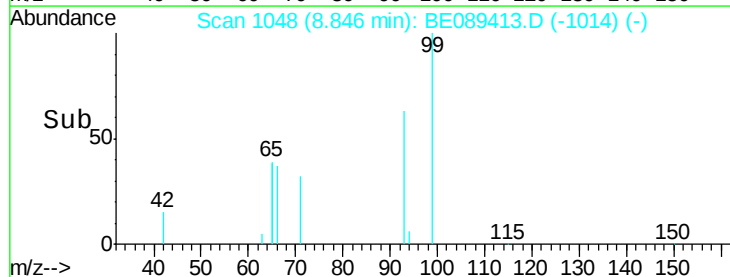
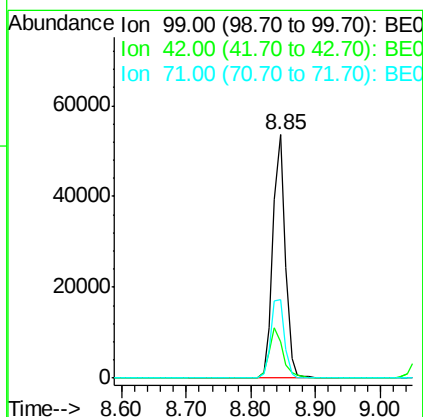
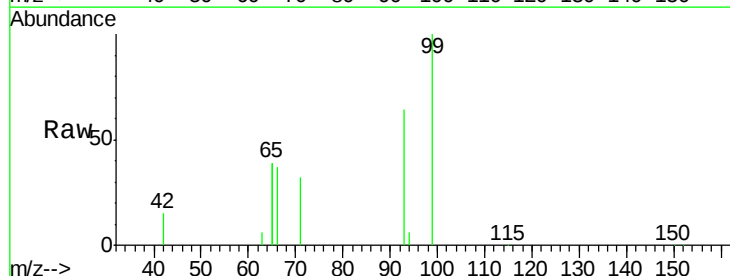
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

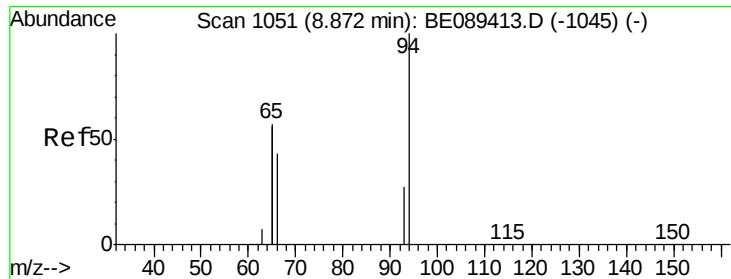
Tgt Ion: 112 Resp: 61007
 Ion Ratio Lower Upper
 112 100
 64 60.3 48.2 72.4
 63 29.4 23.5 35.3



#4
 Phenol-d6
 Concen: 1.06 ng
 RT: 8.85 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: BE089413.D
 Acq: 29 Jan 2015 13:19

Tgt Ion: 99 Resp: 72163
 Ion Ratio Lower Upper
 99 100
 42 14.9 11.9 17.9
 71 32.2 25.8 38.6





#5

Phenol

Concen: 1.09 ng

RT: 8.87 min Scan# 1051

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

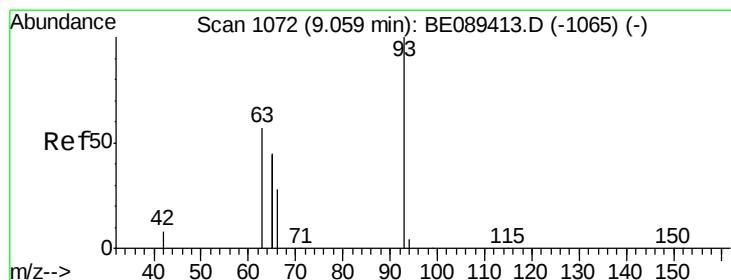
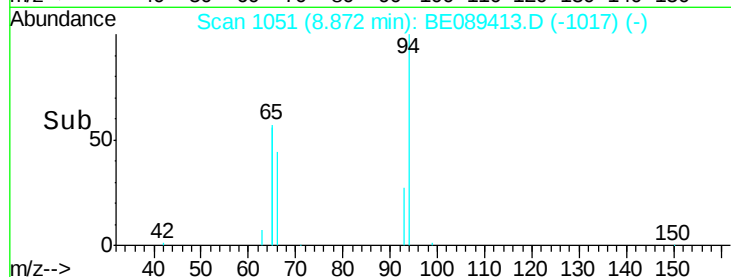
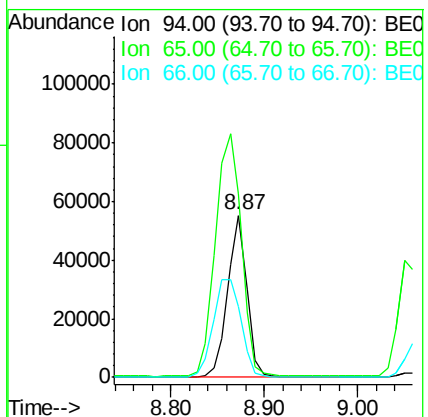
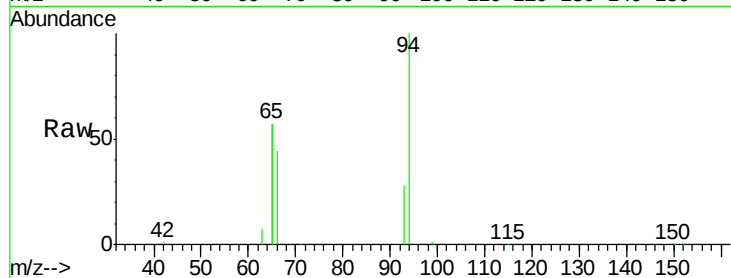
Tgt Ion: 94 Resp: 78953

Ion Ratio Lower Upper

94 100

65 113.3 93.3 133.3

66 43.6 23.6 63.6



#6

bis(2-Chloroethyl)ether

Concen: 1.09 ng

RT: 9.06 min Scan# 1072

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

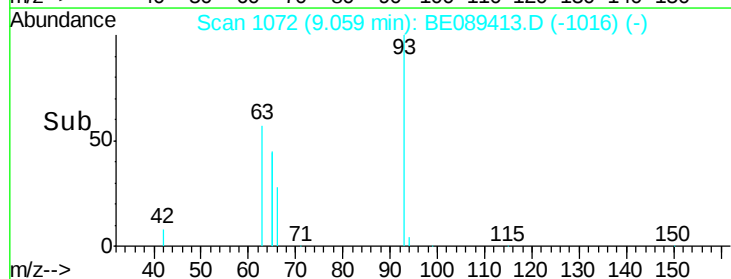
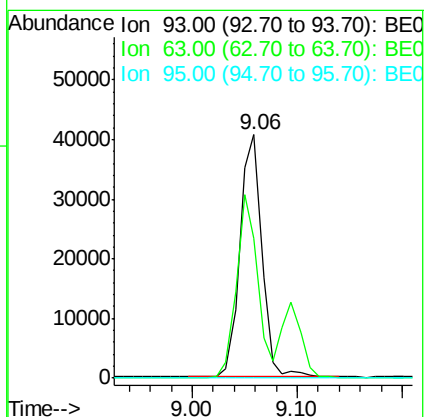
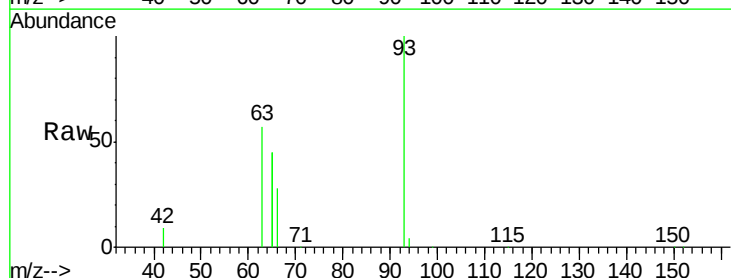
Tgt Ion: 93 Resp: 58655

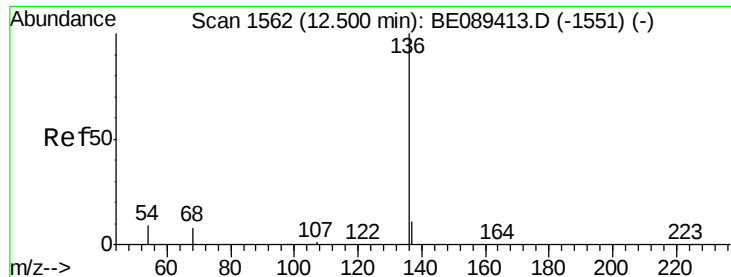
Ion Ratio Lower Upper

93 100

63 73.3 58.6 88.0

95 0.0 0.0 0.0





#7

Naphthalene-d8

Concen: 5.00 ng

RT: 12.50 min Scan# 1562

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

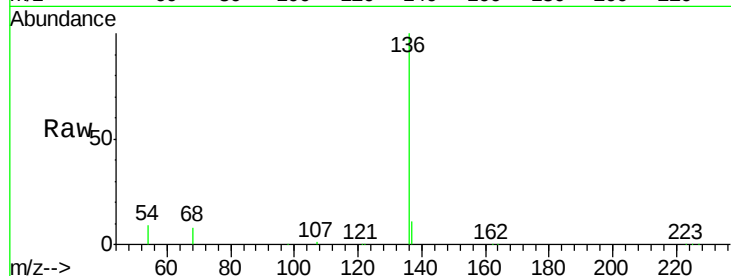
Tgt Ion: 136 Resp: 627822

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

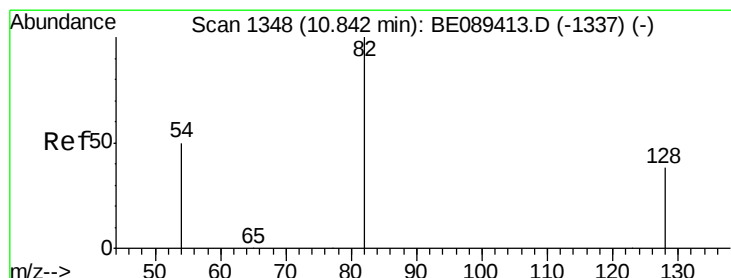
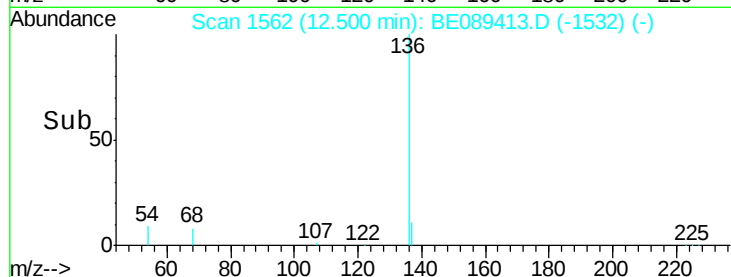
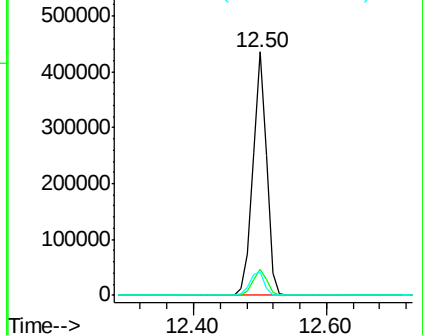
54 9.4 7.5 11.3



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



#8

Nitrobenzene-d5

Concen: 1.08 ng

RT: 10.84 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

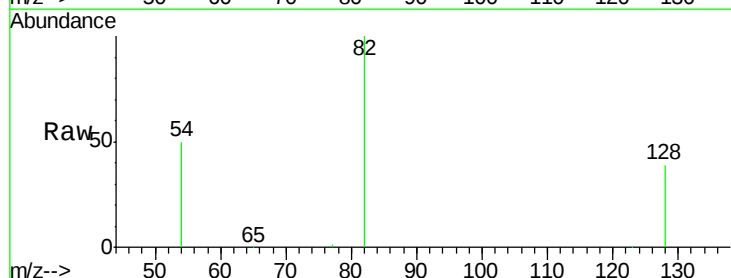
Tgt Ion: 82 Resp: 48746

Ion Ratio Lower Upper

82 100

128 38.7 31.0 46.4

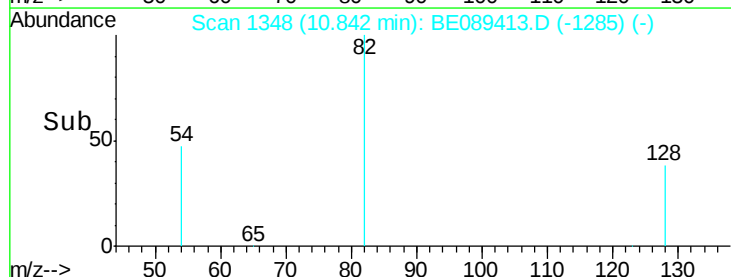
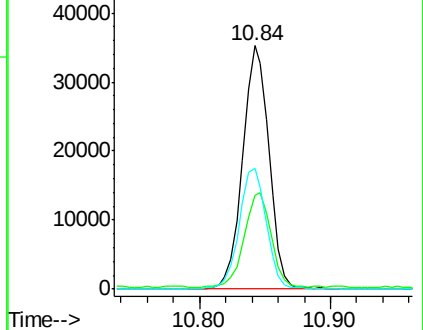
54 49.7 39.8 59.6

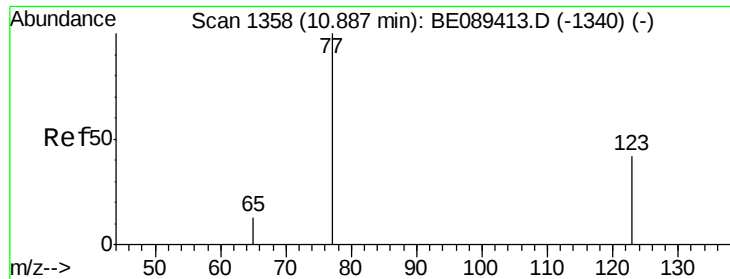


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Nitrobenzene

Concen: 1.09 ng

RT: 10.89 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

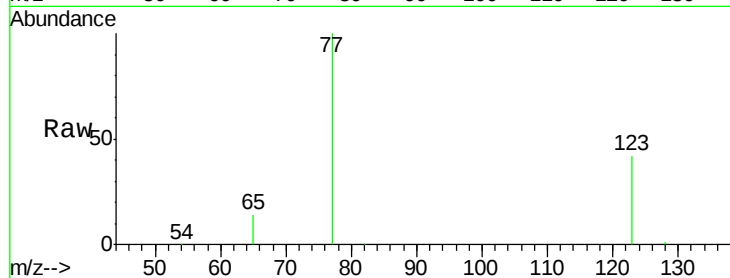
Tgt Ion: 77 Resp: 55865

Ion Ratio Lower Upper

77 100

123 41.0 32.8 49.2

65 13.8 11.0 16.6

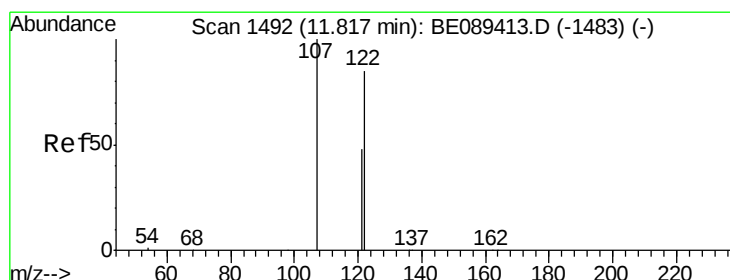
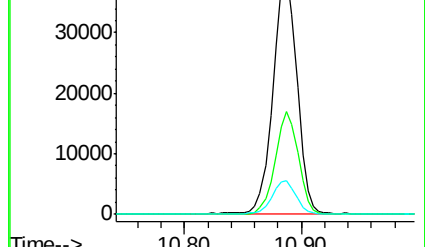
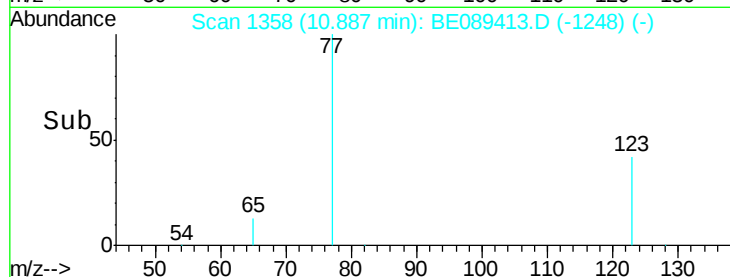


Abundance Ion 77.00 (76.70 to 77.70): BE089413.D (-1340) (-)

Ion 123.00 (122.70 to 123.70): BE089413.D (-1340) (-)

Ion 65.00 (64.70 to 65.70): BE089413.D (-1340) (-)

Time-->



#10

2,4-Dimethylphenol

Concen: 1.02 ng

RT: 11.82 min Scan# 1492

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

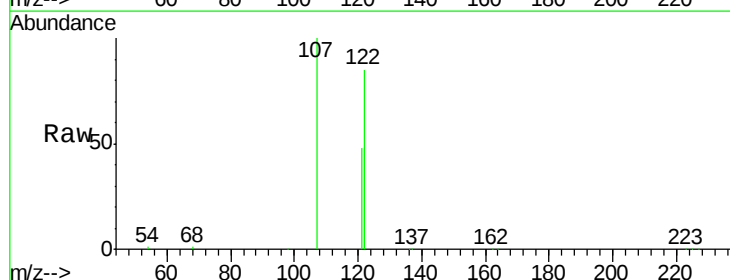
Tgt Ion: 122 Resp: 39111

Ion Ratio Lower Upper

122 100

107 118.3 94.6 142.0

121 57.2 45.8 68.6

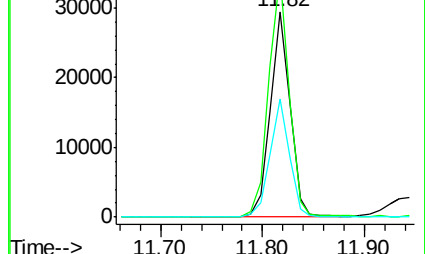
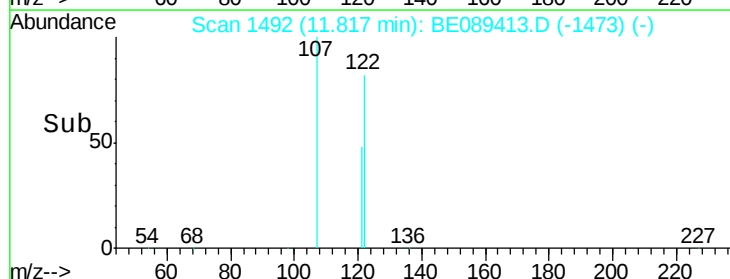


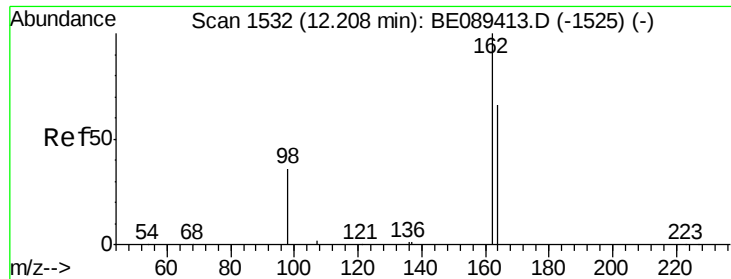
Abundance Ion 122.00 (121.70 to 122.70): BE089413.D (-1483) (-)

Ion 107.00 (106.70 to 107.70): BE089413.D (-1483) (-)

Ion 121.00 (120.70 to 121.70): BE089413.D (-1483) (-)

Time-->

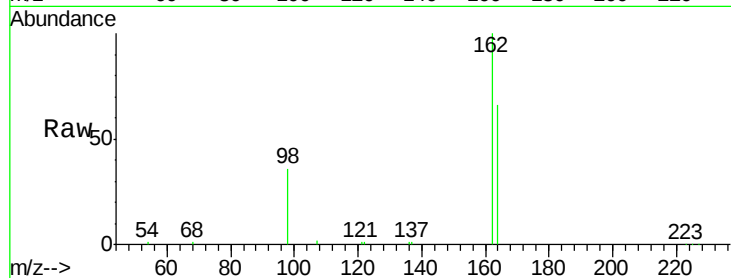




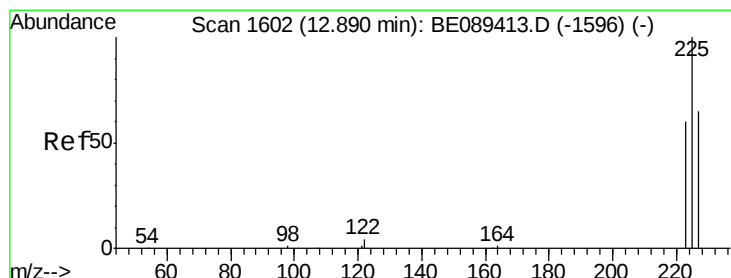
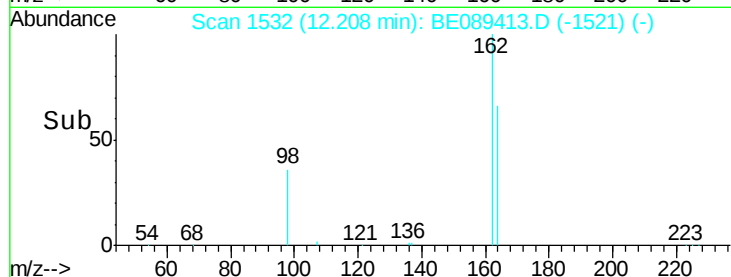
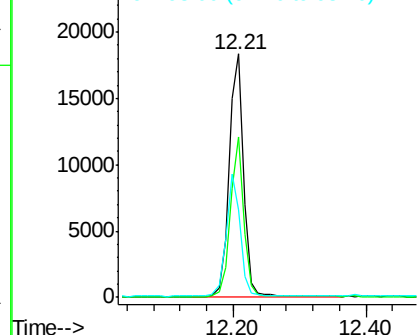
#11
2,4-Dichlorophenol
Concen: 0.95 ng
RT: 12.21 min Scan# 1532
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

Instrument :
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LabSampleId :
SSTDICCC001

Tgt Ion:162 Resp: 27808
Ion Ratio Lower Upper
162 100
164 66.1 46.1 86.1
98 36.2 16.2 56.2

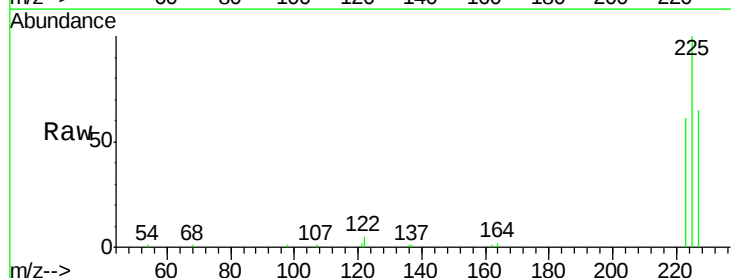


Abundance Ion 162.00 (161.70 to 162.70): E
Ion 164.00 (163.70 to 164.70): E
Ion 98.00 (97.70 to 98.70): BE0

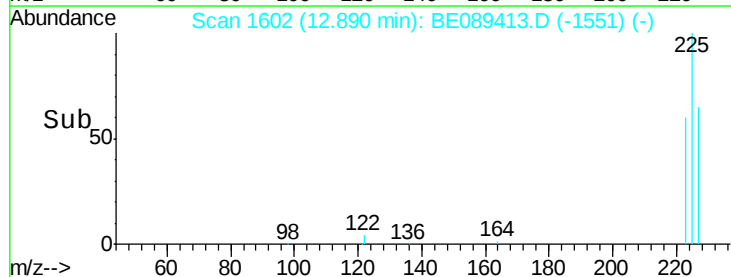
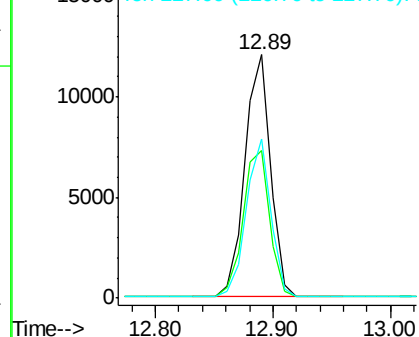


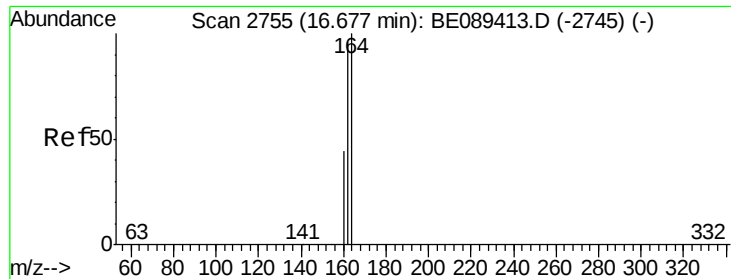
#12
Hexachlorobutadiene
Concen: 0.88 ng
RT: 12.89 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

Tgt Ion:225 Resp: 18147
Ion Ratio Lower Upper
225 100
223 63.0 50.4 75.6
227 62.7 50.2 75.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

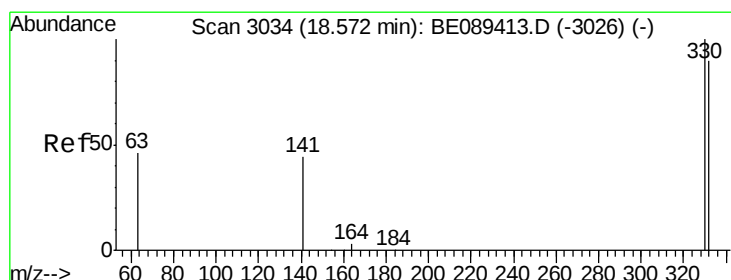
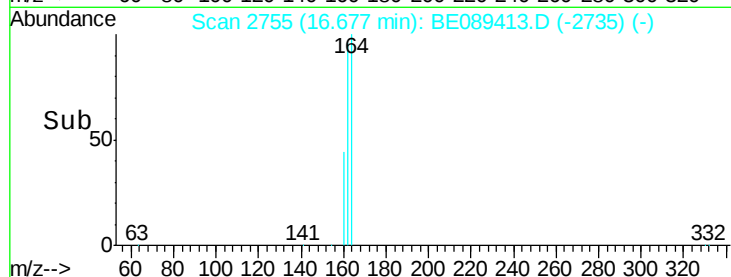
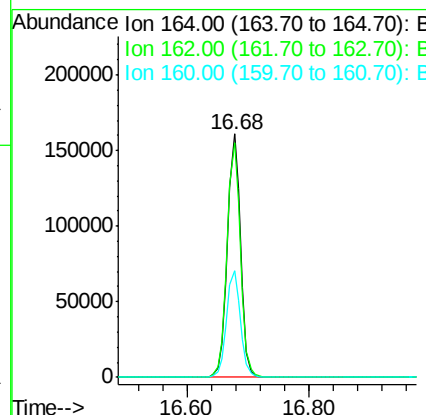
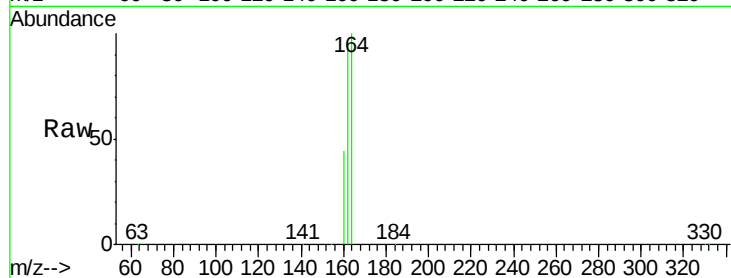




#13
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.68 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BE089413.D
 Acq: 29 Jan 2015 13:19

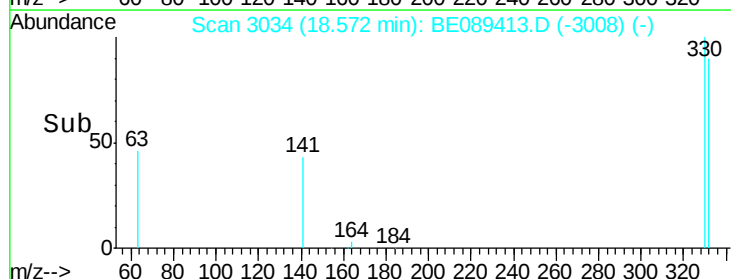
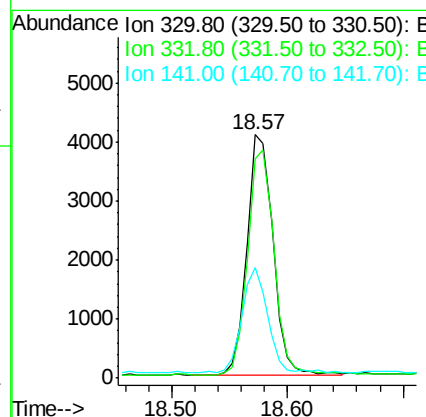
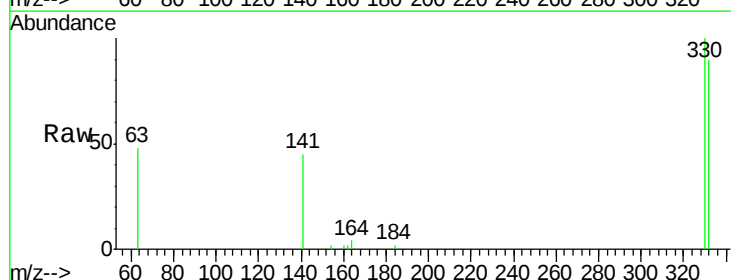
Instrument :
 BNA_E
 LabSampleId :
 SSTDICC001

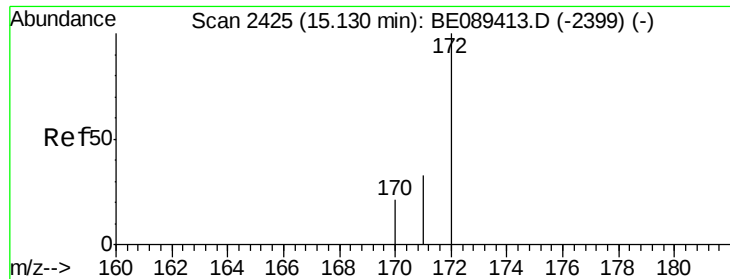
Tgt Ion:164 Resp: 239675
 Ion Ratio Lower Upper
 164 100
 162 96.3 77.0 115.6
 160 43.7 35.0 52.4



#14
 2,4,6-Tribromophenol
 Concen: 1.14 ng
 RT: 18.57 min Scan# 3034
 Delta R.T. 0.00 min
 Lab File: BE089413.D
 Acq: 29 Jan 2015 13:19

Tgt Ion:330 Resp: 6328
 Ion Ratio Lower Upper
 330 100
 332 95.0 76.0 114.0
 141 44.5 35.6 53.4

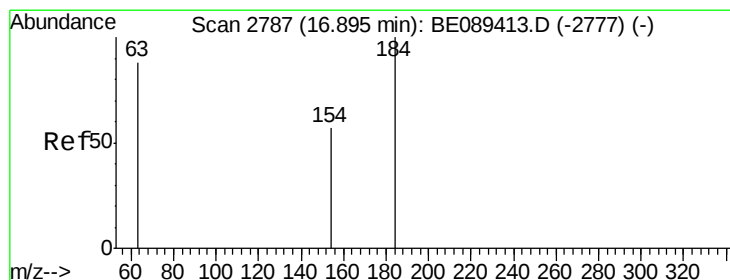
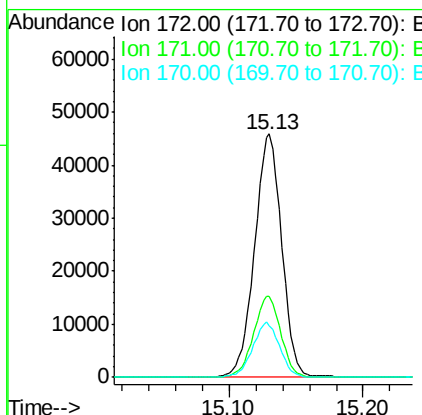
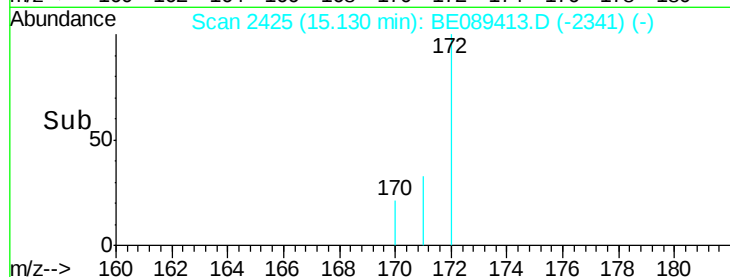
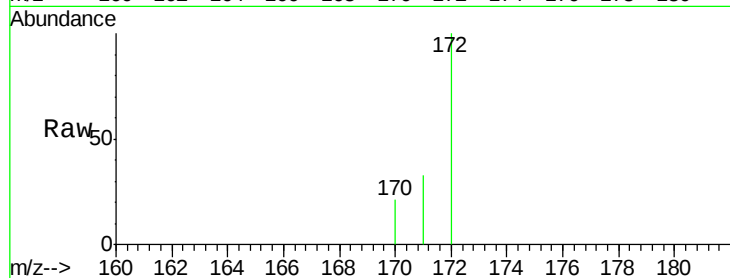




#15
2-Fluorobiphenyl
Concen: 0.89 ng
RT: 15.13 min Scan# 2425
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

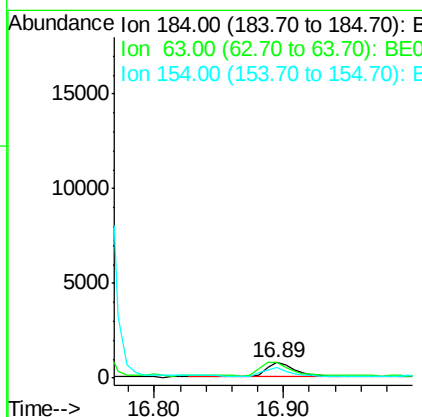
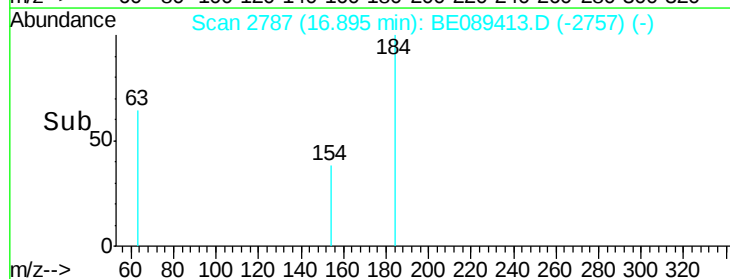
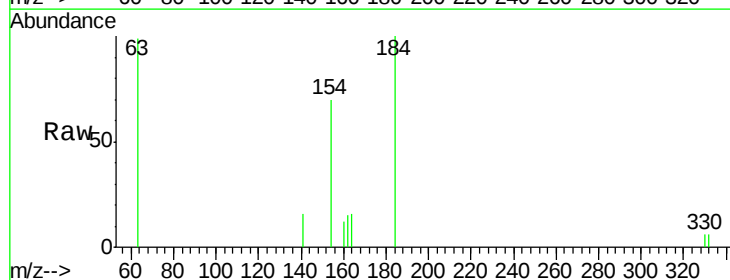
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

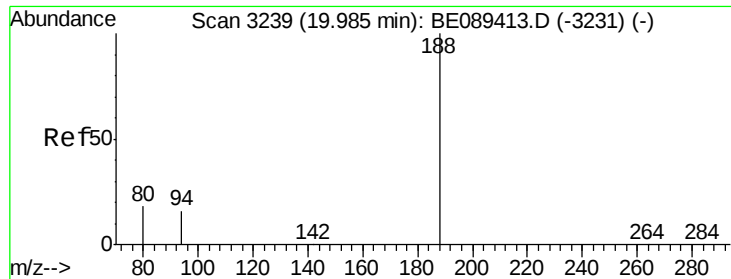
Tgt Ion:172 Resp: 64150
Ion Ratio Lower Upper
172 100
171 33.2 26.6 39.8
170 21.4 17.1 25.7



#16
2,4-Dinitrophenol
Concen: 0.72 ng
RT: 16.89 min Scan# 2787
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

Tgt Ion:184 Resp: 1173
Ion Ratio Lower Upper
184 100
63 98.7 79.0 118.4
154 69.7 55.8 83.6

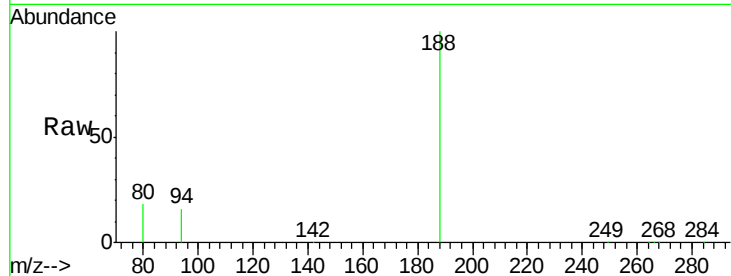




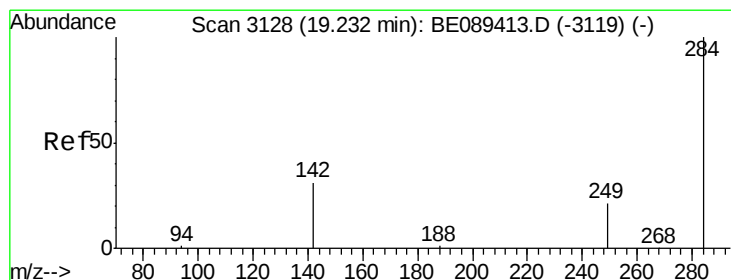
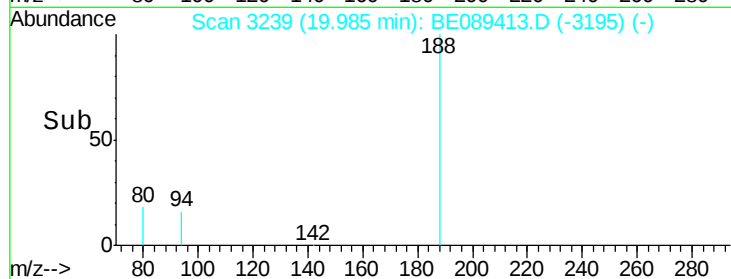
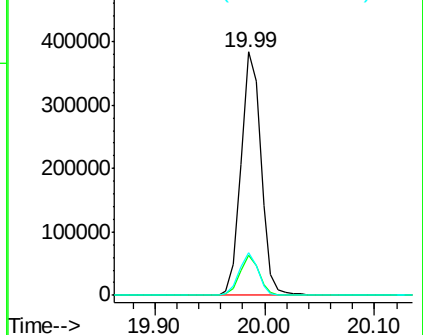
#17
Phenanthrene-d10
Concen: 5.00 ng
RT: 19.99 min Scan# 3239
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

Instrument :
BNA_E
LabSampleId :
SSTDICCC001

Tgt Ion:188 Resp: 479216
Ion Ratio Lower Upper
188 100
94 16.3 13.0 19.6
80 17.8 14.2 21.4

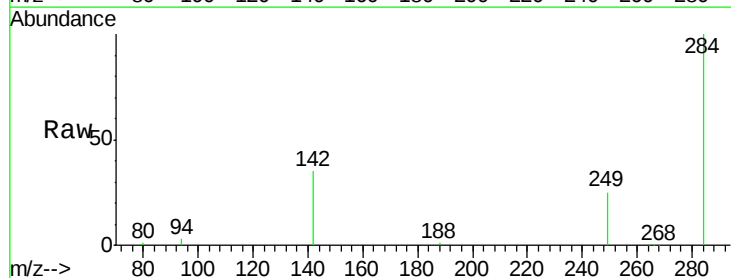


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE
Ion 80.00 (79.70 to 80.70): BE

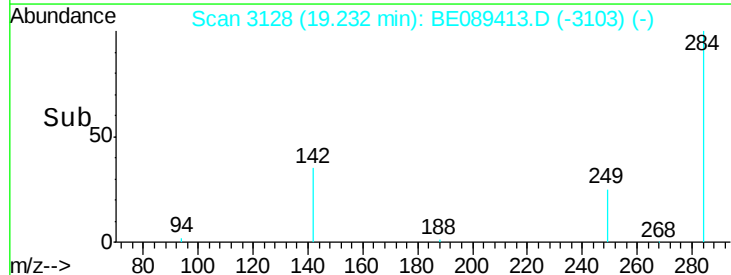
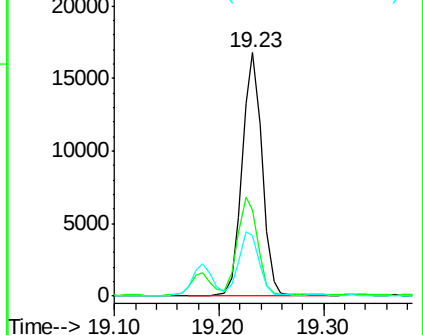


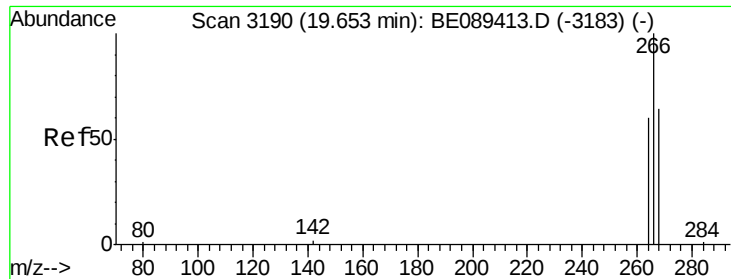
#18
Hexachlorobenzene
Concen: 0.99 ng
RT: 19.23 min Scan# 3128
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

Tgt Ion:284 Resp: 22085
Ion Ratio Lower Upper
284 100
142 35.4 28.3 42.5
249 24.9 19.9 29.9



Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

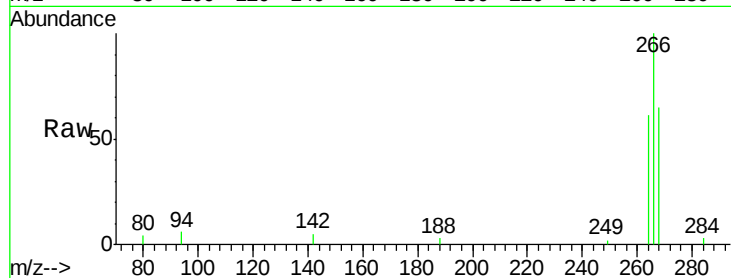




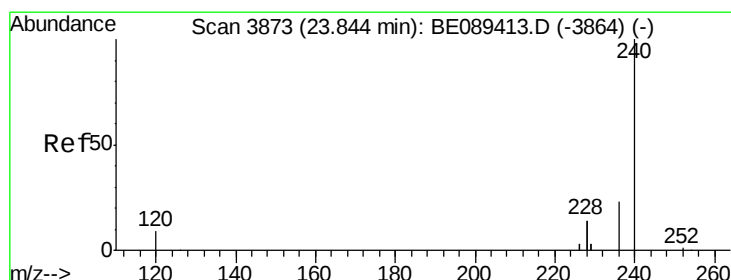
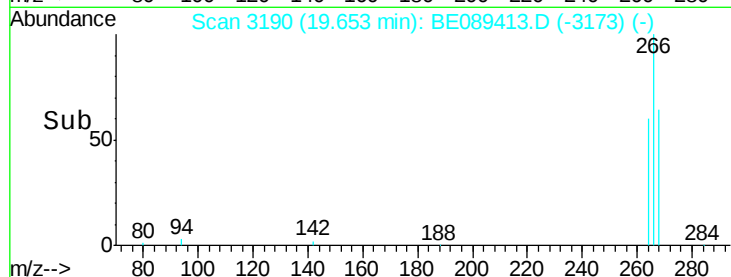
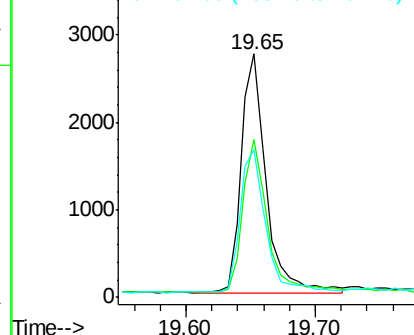
#19
 Pentachlorophenol
 Concen: 0.86 ng
 RT: 19.65 min Scan# 3190
 Delta R.T. 0.00 min
 Lab File: BE089413.D
 Acq: 29 Jan 2015 13:19

Instrument :
 BNA_E
 LabSampleId :
 SSTD1CCC001

Tgt Ion: 266 Resp: 3679
 Ion Ratio Lower Upper
 266 100
 268 64.9 51.9 77.9
 264 60.6 48.5 72.7

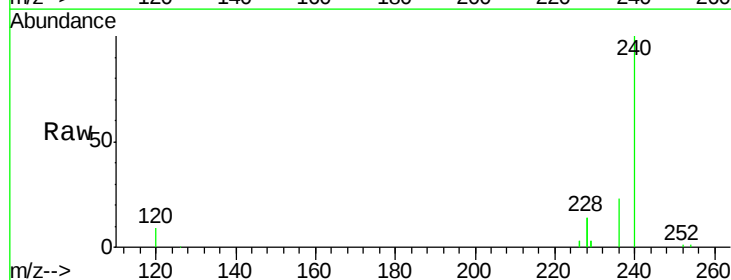


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

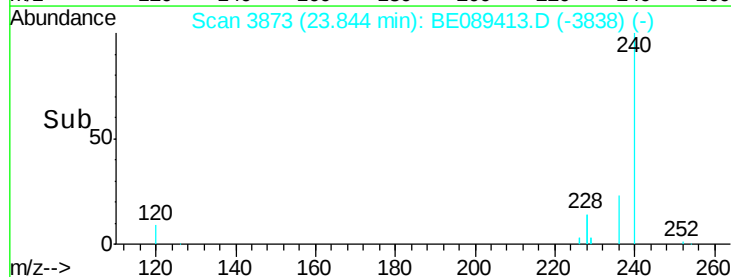
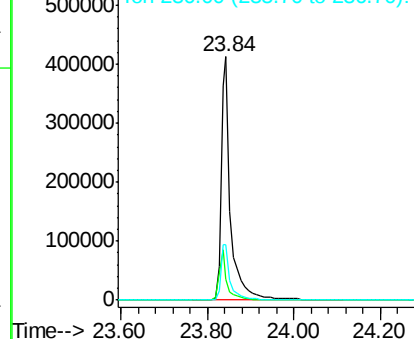


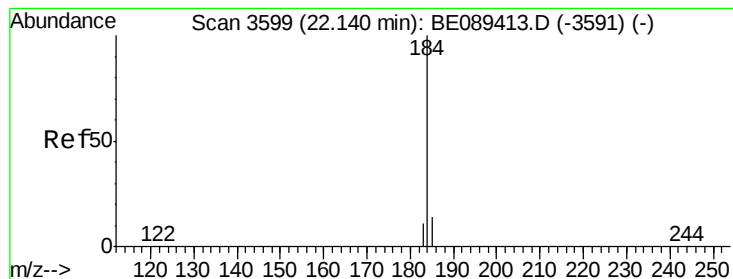
#20
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.84 min Scan# 3873
 Delta R.T. 0.00 min
 Lab File: BE089413.D
 Acq: 29 Jan 2015 13:19

Tgt Ion: 240 Resp: 648652
 Ion Ratio Lower Upper
 240 100
 120 8.6 6.9 10.3
 236 22.7 18.2 27.2



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





#21

Benzidine

Concen: 0.71 ng

RT: 22.14 min Scan# 3599

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

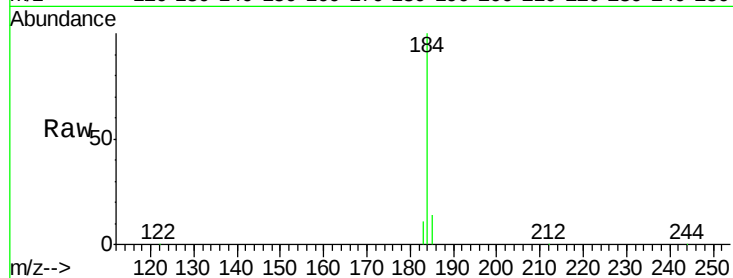
Tgt Ion:184 Resp: 37078

Ion Ratio Lower Upper

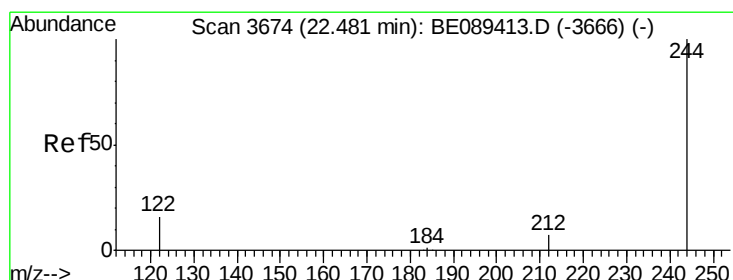
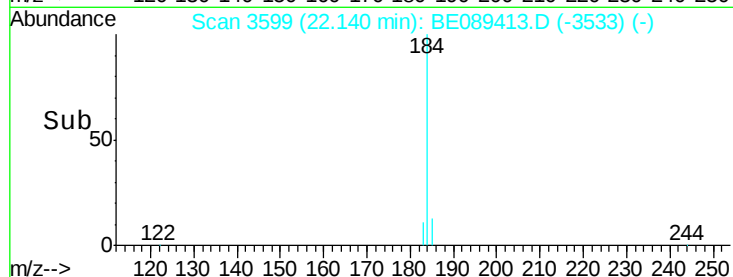
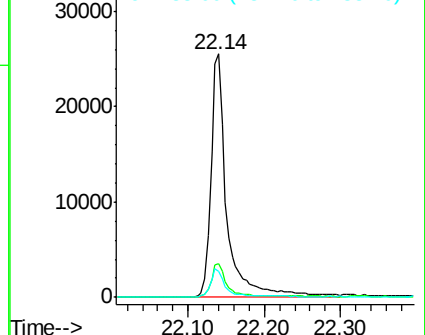
184 100

185 13.8 11.0 16.6

183 10.8 8.6 13.0



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



#22

Terphenyl-d14

Concen: 1.04 ng

RT: 22.48 min Scan# 3674

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

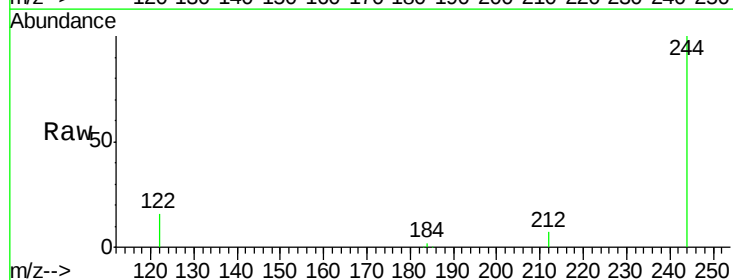
Tgt Ion:244 Resp: 74711

Ion Ratio Lower Upper

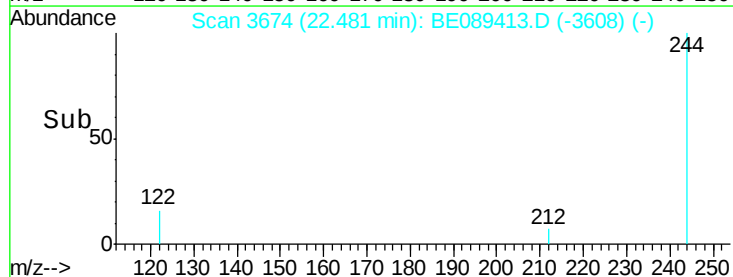
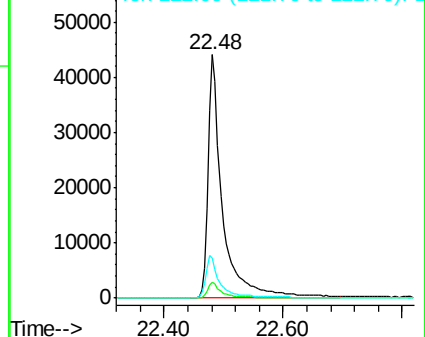
244 100

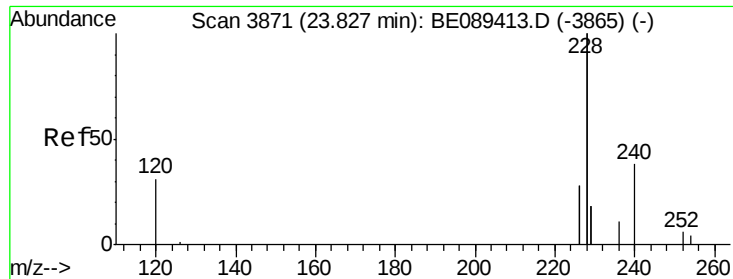
212 6.7 5.4 8.0

122 16.5 13.2 19.8



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

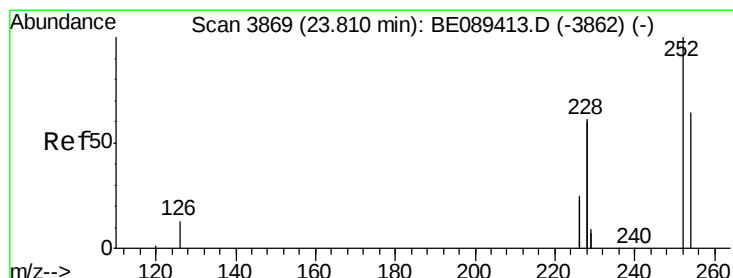
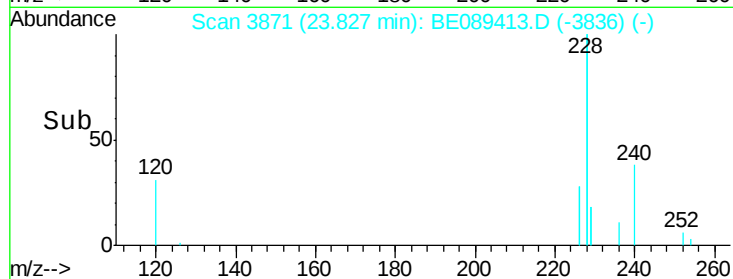
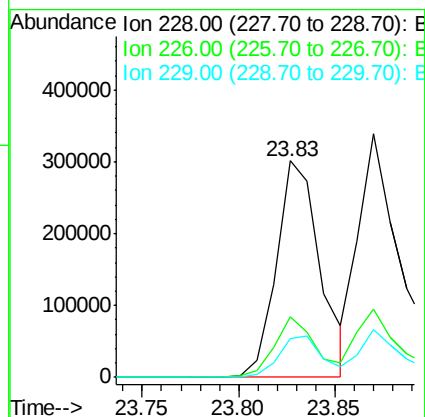
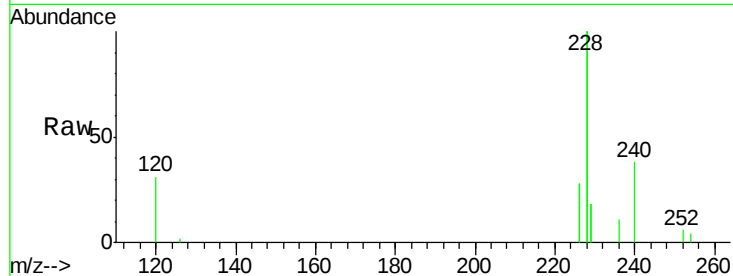




#23
Benzo(a)anthracene
Concen: 0.80 ng
RT: 23.83 min Scan# 3871
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

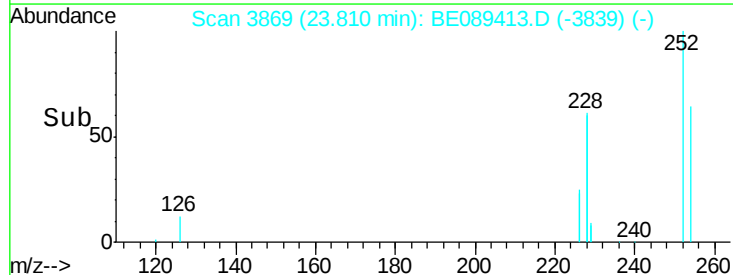
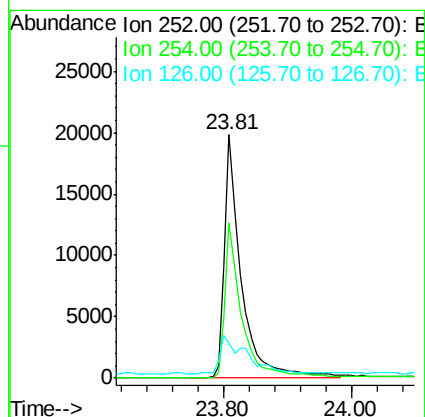
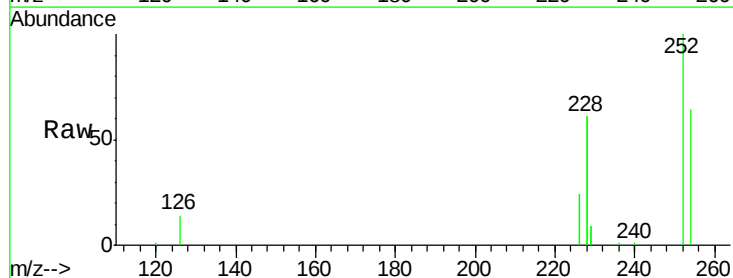
Instrument :
BNA_E
LabSampleId :
SSTDICCC001

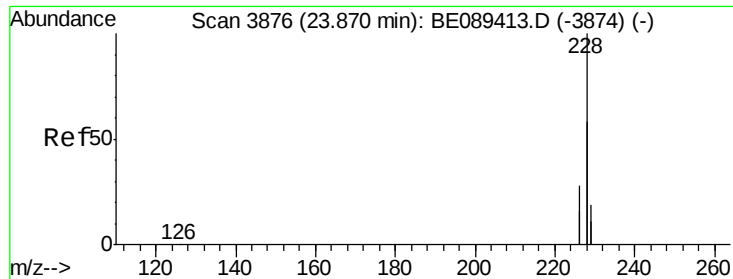
Tgt Ion:228 Resp: 472429
Ion Ratio Lower Upper
228 100
226 28.2 22.6 33.8
229 18.1 14.5 21.7



#24
3,3'-Dichlorobenzidine
Concen: 0.75 ng
RT: 23.81 min Scan# 3869
Delta R.T. 0.00 min
Lab File: BE089413.D
Acq: 29 Jan 2015 13:19

Tgt Ion:252 Resp: 35384
Ion Ratio Lower Upper
252 100
254 63.9 51.1 76.7
126 14.4 11.5 17.3





#25

Chrysene

Concen: 0.87 ng

RT: 23.87 min Scan# 3876

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

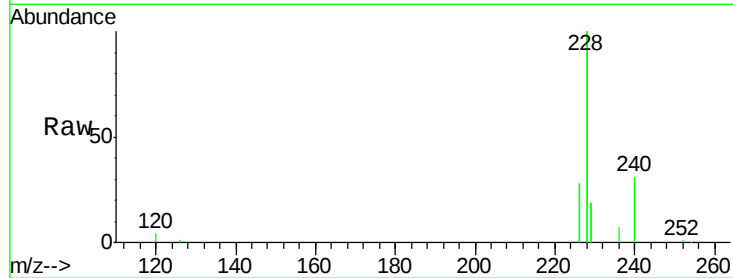
Tgt Ion:228 Resp: 631594

Ion Ratio Lower Upper

228 100

226 28.2 22.6 33.8

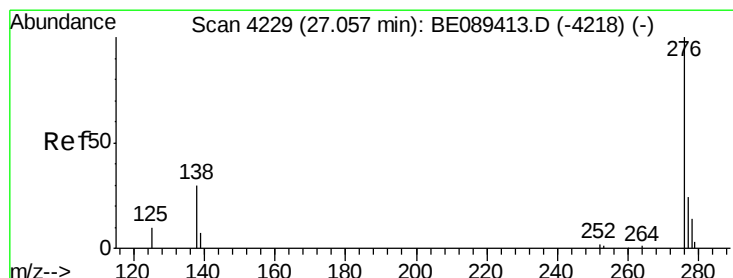
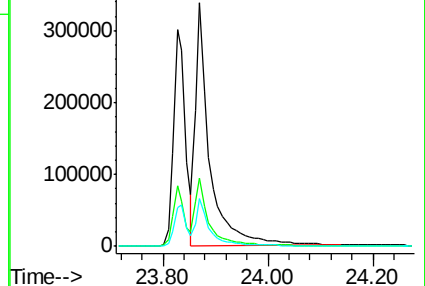
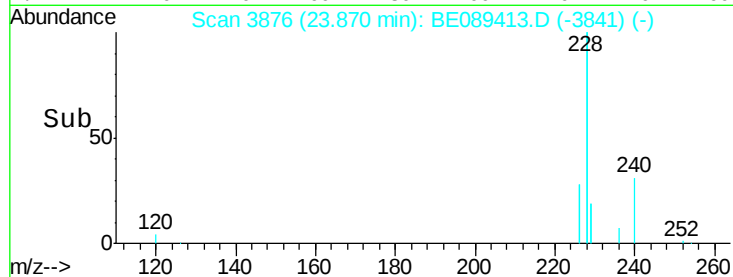
229 19.4 15.5 23.3



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.62 ng

RT: 27.06 min Scan# 4229

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

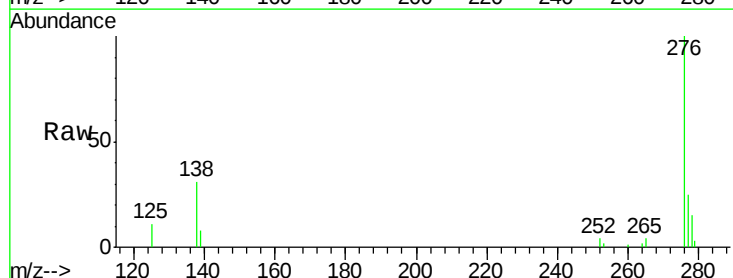
Tgt Ion:276 Resp: 103305

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

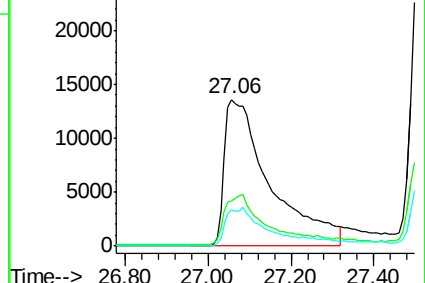
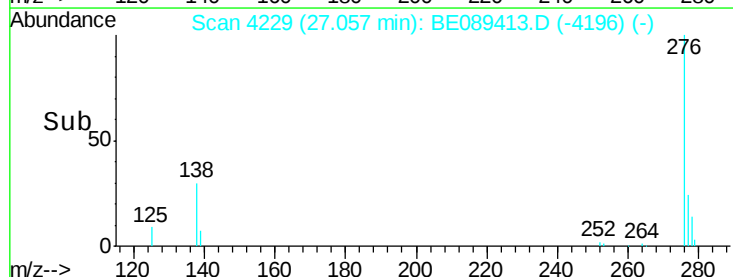
277 0.0 0.0 0.0

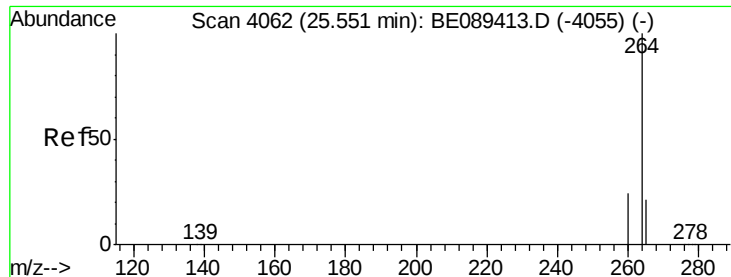


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Perylene-d12

Concen: 5.00 ng

RT: 25.55 min Scan# 4062

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

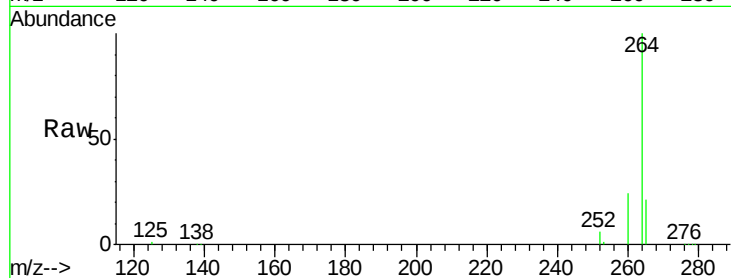
Tgt Ion:264 Resp: 691358

Ion Ratio Lower Upper

264 100

260 24.2 19.4 29.0

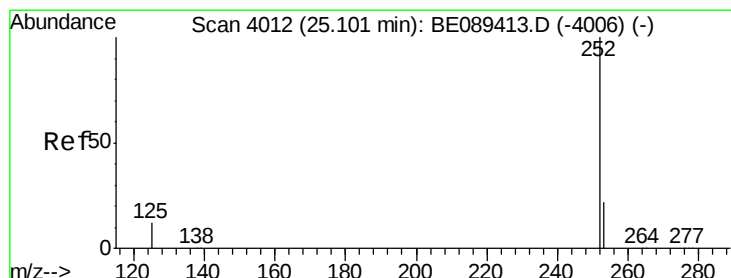
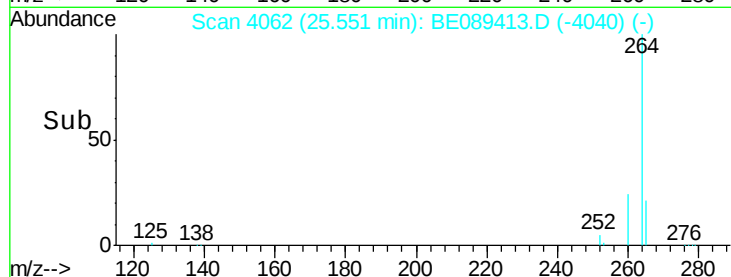
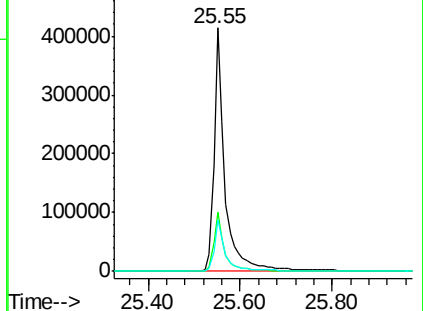
265 21.4 17.1 25.7



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#28

Benzo(b)fluoranthene

Concen: 2.87 ng

RT: 25.13 min Scan# 4015

Delta R.T. 0.03 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

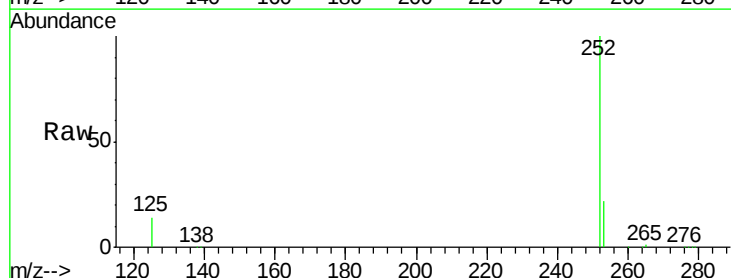
Tgt Ion:252 Resp: 251297

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

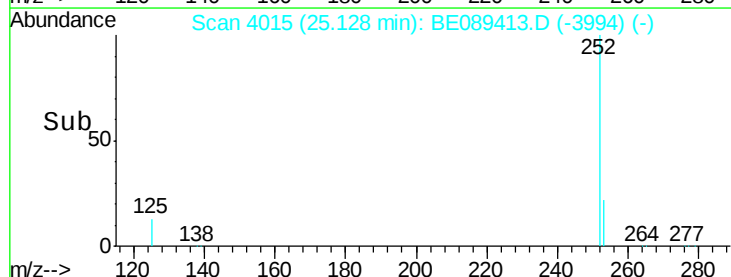
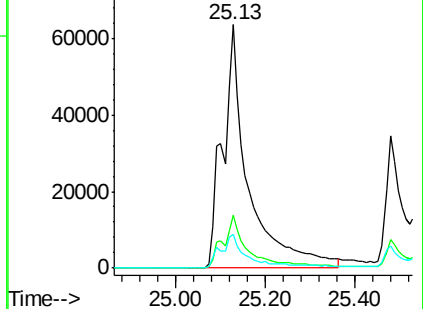
125 13.8 10.5 15.7

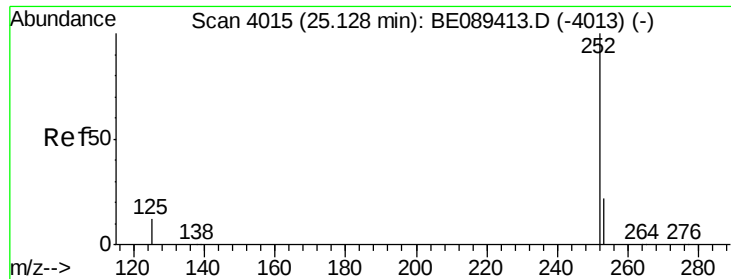


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#29

Benzo(k)fluoranthene

Concen: 1.28 ng

RT: 25.13 min Scan# 4015

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001

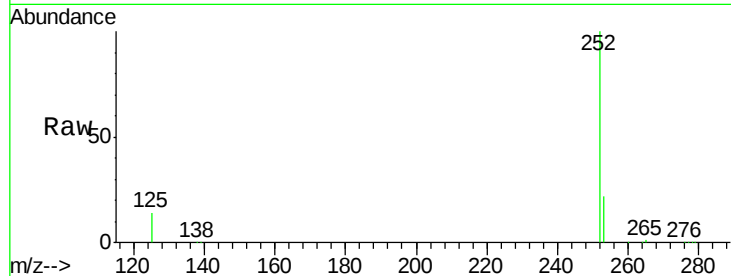
Tgt Ion:252 Resp: 254520

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.2

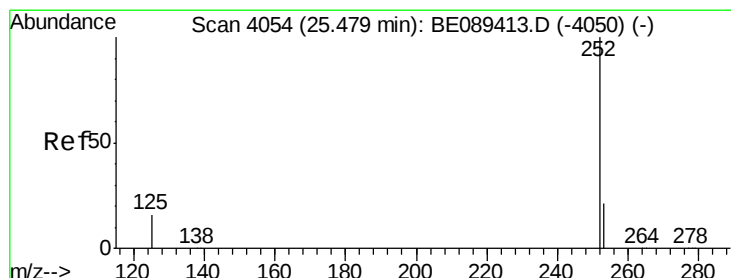
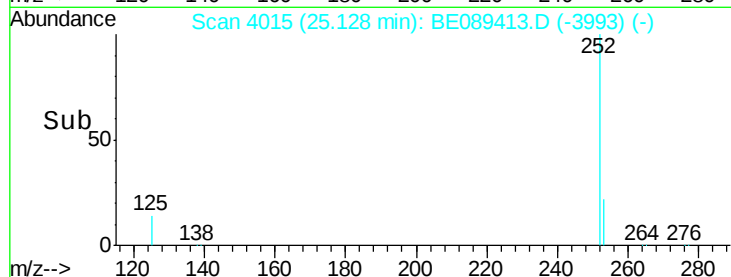
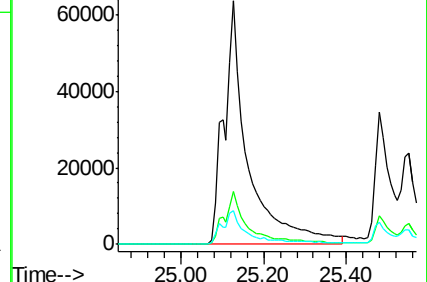
125 13.8 11.0 16.6



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



#30

Benzo(a)pyrene

Concen: 0.71 ng

RT: 25.48 min Scan# 4054

Delta R.T. 0.00 min

Lab File: BE089413.D

Acq: 29 Jan 2015 13:19

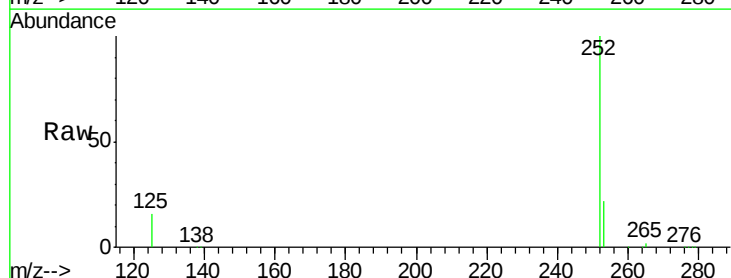
Tgt Ion:252 Resp: 75116

Ion Ratio Lower Upper

252 100

253 21.6 17.3 25.9

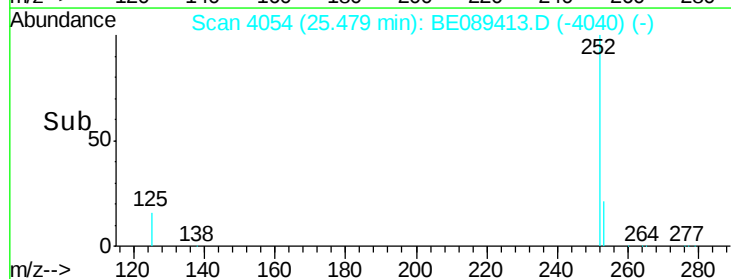
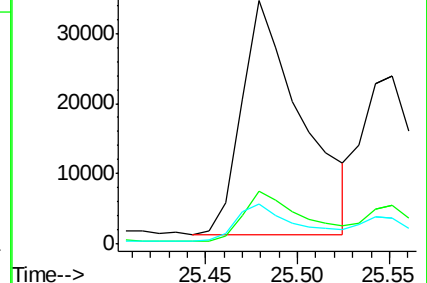
125 16.3 13.0 19.6

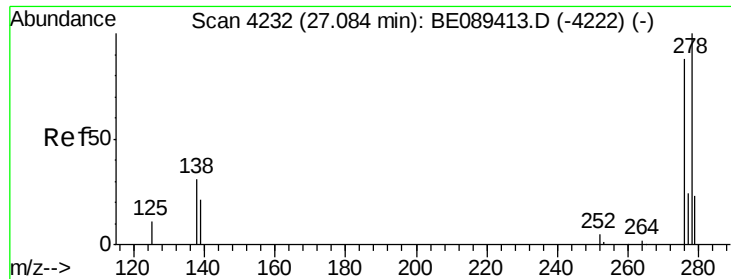


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#31

Dibenzo(a,h)anthracene

Concen: 0.69 ng

RT: 27.08 min Scan# 4232

Delta R.T. 0.00 min

Lab File: BE089413.D

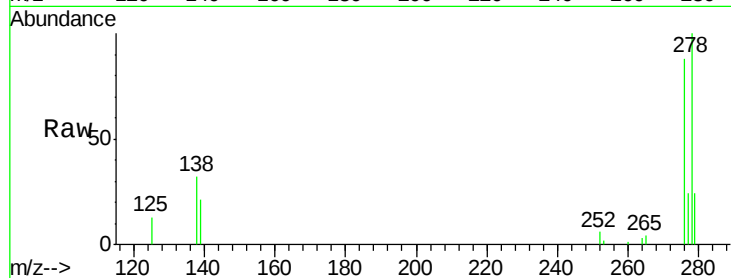
Acq: 29 Jan 2015 13:19

Instrument :

BNA_E

LabSampleId :

SSTDICCC001



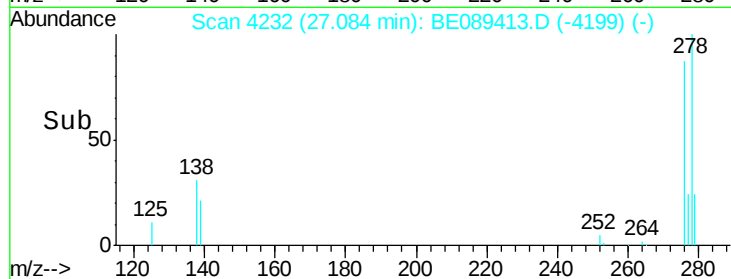
Tgt Ion: 278 Resp: 74833

Ion Ratio Lower Upper

278 100

139 21.5 17.2 25.8

279 24.0 19.2 28.8



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

