

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
 Data File : BE090016.D
 Acq On : 30 Jun 2015 18:31
 Operator : TP/IZ
 Sample : G2824-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650624-150626

Quant Time: Jul 01 05:17:19 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 30 07:01:01 2015
 Response via : Initial Calibration

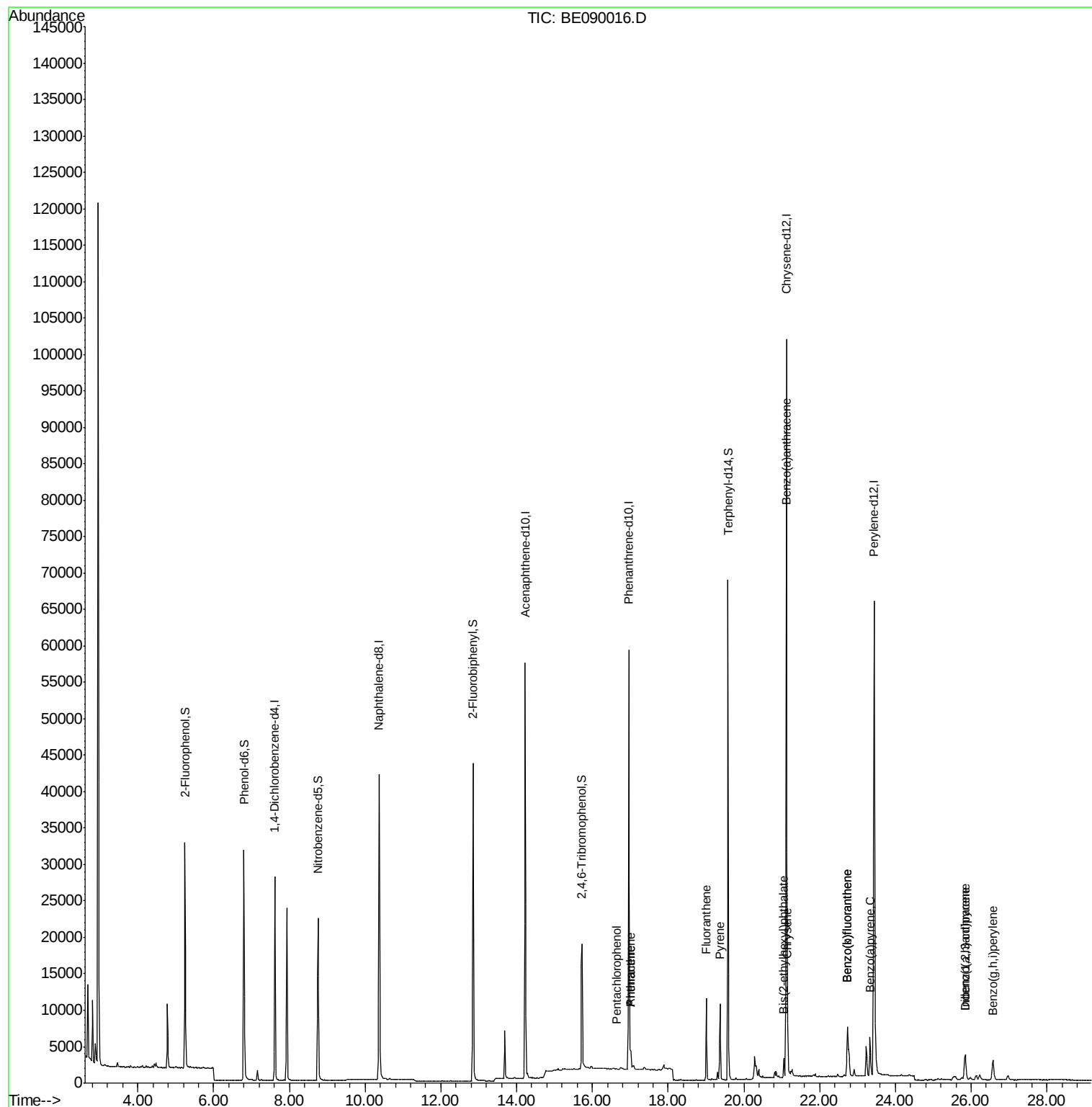
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	13566	5.00	ng	0.00
6) Naphthalene-d8	10.38	136	58809	5.00	ng	0.00
12) Acenaphthene-d10	14.23	164	33048	5.00	ng	0.00
18) Phenanthrene-d10	16.96	188	74554	5.00	ng	-0.02
25) Chrysene-d12	21.12	240	92231	5.00	ng	-0.01
32) Perylene-d12	23.44	264	92376	5.00	ng	-0.02
System Monitoring Compounds						
4) 2-Fluorophenol	5.25	112	22452	7.20	ng	0.00
5) Phenol-d6	6.80	99	33985	7.79	ng	0.00
7) Nitrobenzene-d5	8.75	82	20329	4.35	ng	0.00
13) 2,4,6-Tribromophenol	15.73	330	9157	9.46	ng	0.00
14) 2-Fluorobiphenyl	12.85	172	43574	4.39	ng	0.00
27) Terphenyl-d14	19.58	244	70668	4.60	ng	0.00
Target Compounds						Qvalue
21) Pentachlorophenol	16.63	266	46	0.28	ng	# 67
22) Phenanthrene	17.01	178	2900	0.15	ng	97
23) Anthracene	17.01	178	2888	0.17	ng	98
24) Fluoranthene	19.01	202	9891	0.46	ng	99
26) Pyrene	19.37	202	9588	0.44	ng	96
28) Benzo(a)anthracene	21.11	228	7601	0.33	ng	98
29) Chrysene	21.16	228	8095	0.34	ng	97
30) Bis(2-ethylhexyl)phthalate	21.05	149	2207	0.50	ng	100
31) Indeno(1,2,3-cd)pyrene	25.84	276	5841	0.25	ng	98
33) Benzo(b)fluoranthene	22.74	252	11638	0.57	ng	# 94
34) Benzo(k)fluoranthene	22.74	252	11638	0.51	ng	# 94
35) Benzo(a)pyrene	23.33	252	7559	0.40	ng	# 93
36) Dibenzo(a,h)anthracene	25.85	278	1744	0.09	ng	# 71
37) Benzo(g,h,i)perylene	26.57	276	6092	0.31	ng	93

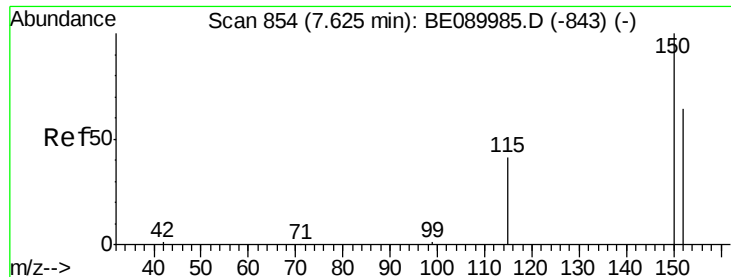
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE063015\
Data File : BE090016.D
Acq On : 30 Jun 2015 18:31
Operator : TP/IZ
Sample : G2824-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
X1SS0650624-150626

Quant Time: Jul 01 05:17:19 2015
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BE062915.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 30 07:01:01 2015
Response via : Initial Calibration



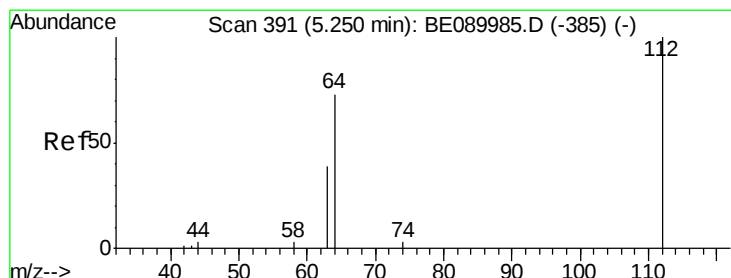
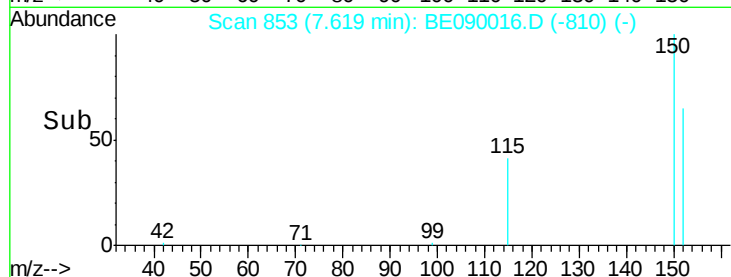
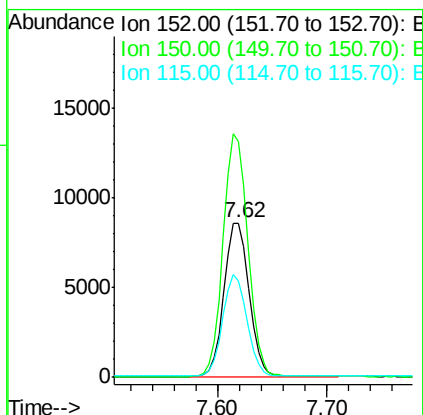
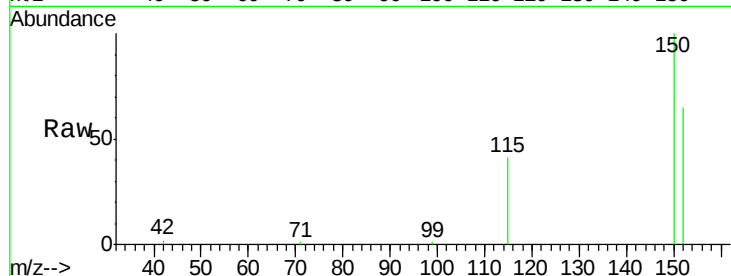


#1

1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.62 min Scan# 853
Delta R.T. -0.01 min
Lab File: BE090016.D
Acq: 30 Jun 2015 18:31

Instrument :
BNA_E
ClientSampleId :
X1SS0650624-150626

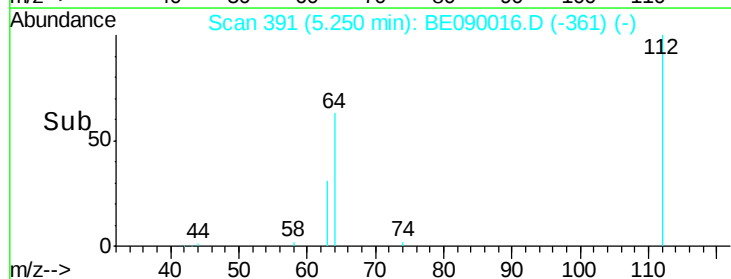
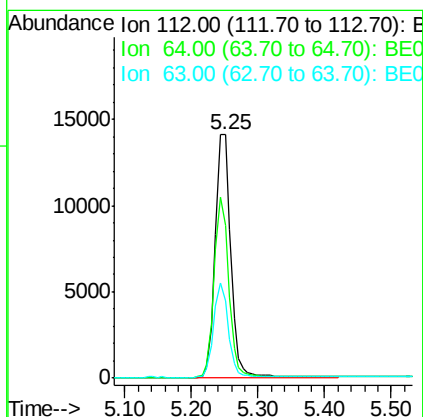
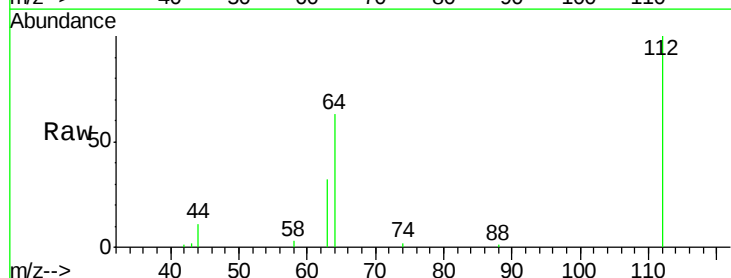
Tgt Ion:152 Resp: 13566
Ion Ratio Lower Upper
152 100
150 153.1 123.9 185.9
115 62.7 50.6 76.0

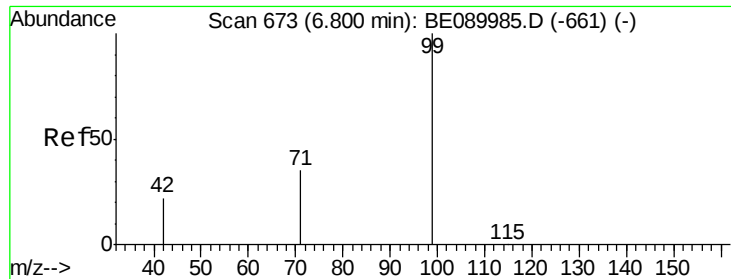


#4

2-Fluorophenol
Concen: 7.20 ng
RT: 5.25 min Scan# 391
Delta R.T. 0.00 min
Lab File: BE090016.D
Acq: 30 Jun 2015 18:31

Tgt Ion:112 Resp: 22452
Ion Ratio Lower Upper
112 100
64 70.5 56.3 84.5
63 36.6 29.8 44.6





#5

Phenol-d6

Concen: 7.79 ng

RT: 6.80 min Scan# 673

Delta R.T. -0.00 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

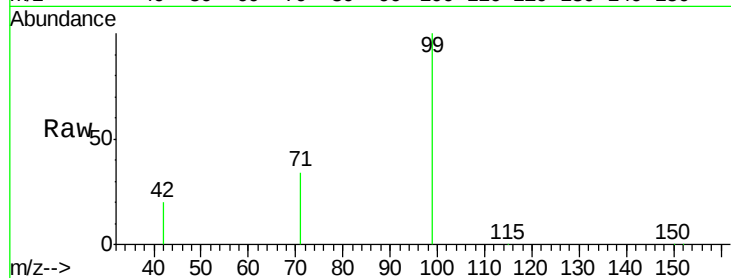
Tgt Ion: 99 Resp: 33985

Ion Ratio Lower Upper

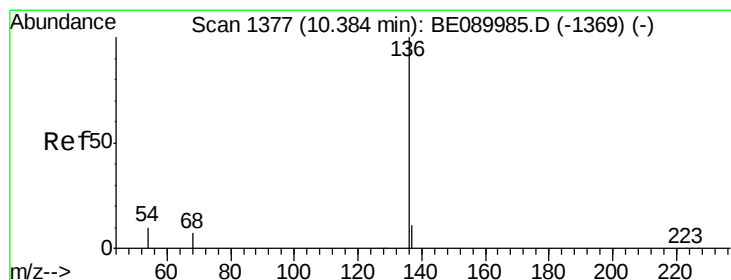
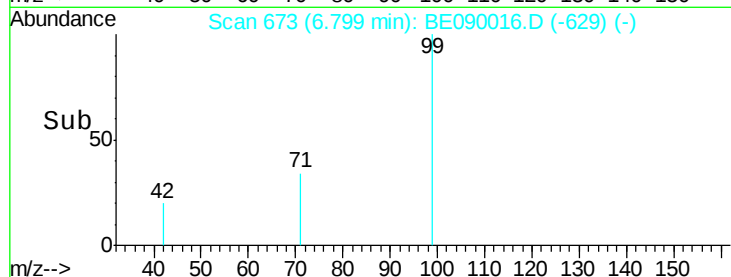
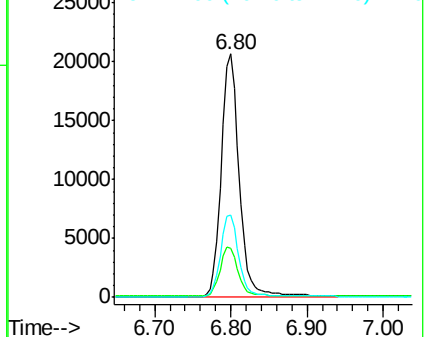
99 100

42 20.3 18.7 28.1

71 33.9 27.5 41.3



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

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 1376

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Tgt Ion: 136 Resp: 58809

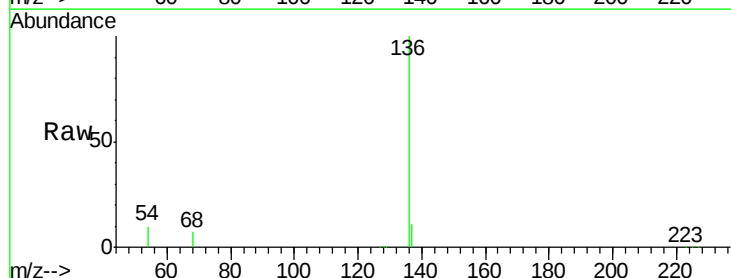
Ion Ratio Lower Upper

136 100

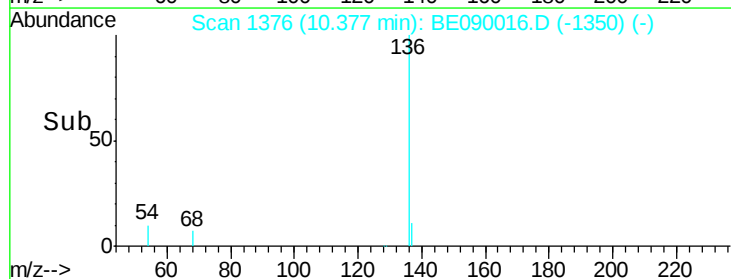
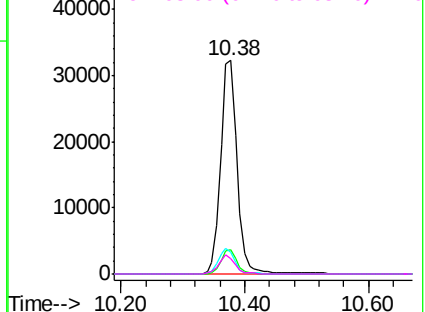
137 11.2 8.9 13.3

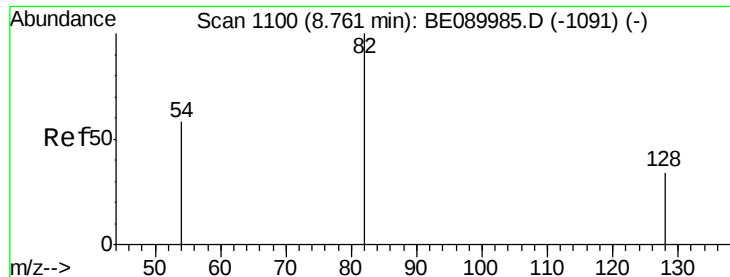
54 10.0 8.2 12.4

68 7.4 5.8 8.8



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BE0
Ion 68.00 (67.70 to 68.70): BE0





#7

Nitrobenzene-d5

Concen: 4.35 ng

RT: 8.75 min Scan# 1098

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

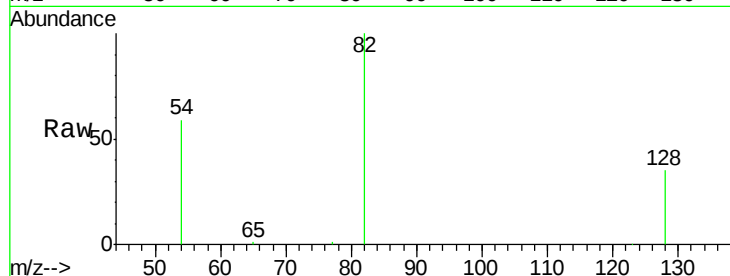
Tgt Ion: 82 Resp: 20329

Ion Ratio Lower Upper

82 100

128 35.1 28.0 42.0

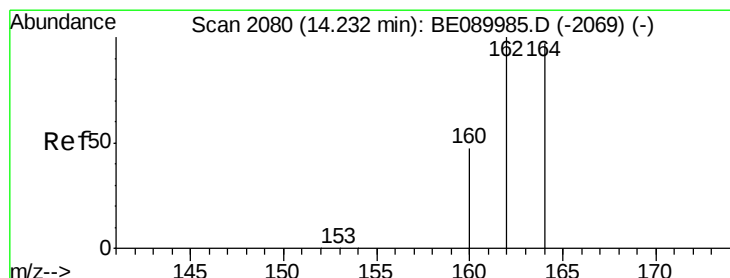
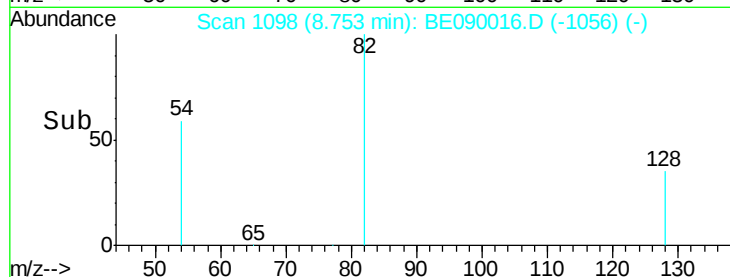
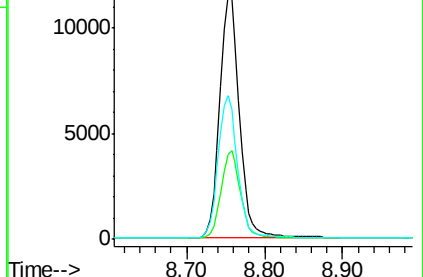
54 59.2 47.6 71.4



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



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.23 min Scan# 2079

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

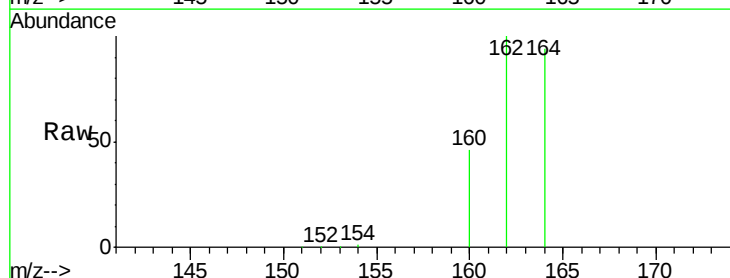
Tgt Ion: 164 Resp: 33048

Ion Ratio Lower Upper

164 100

162 106.3 82.2 123.4

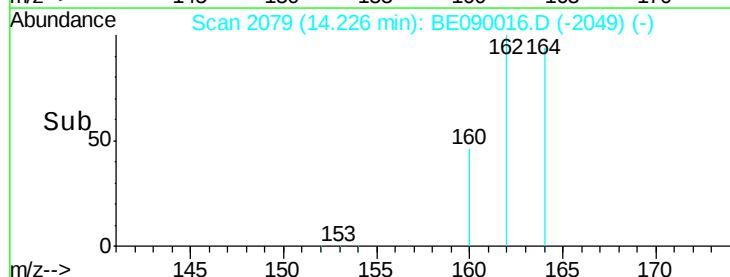
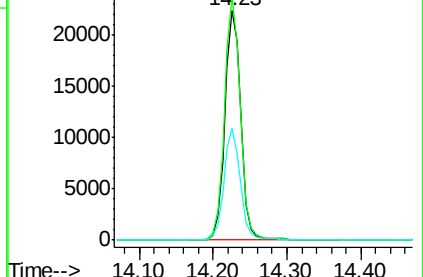
160 49.0 39.0 58.6

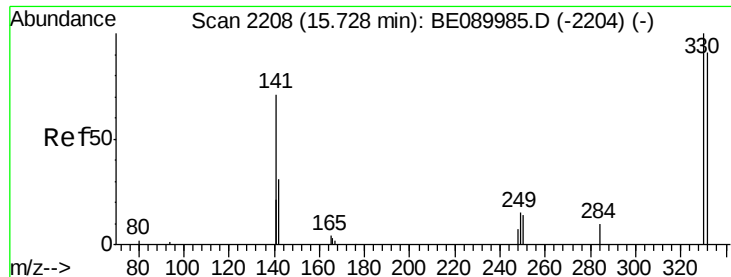


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

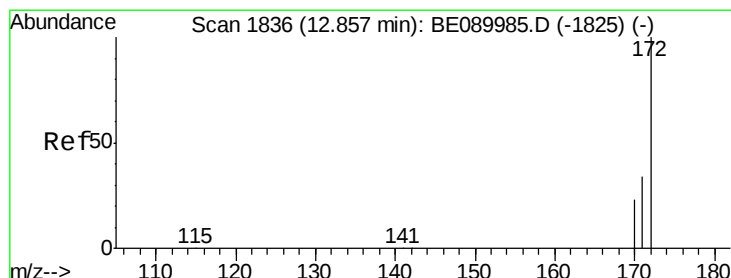
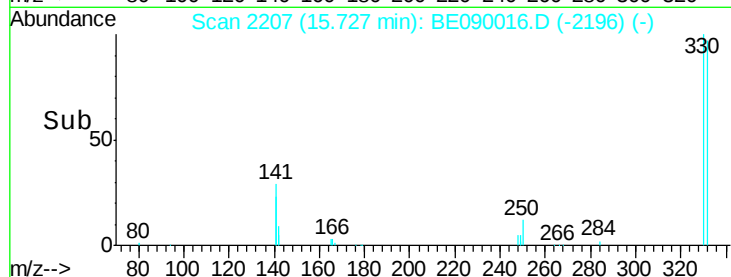
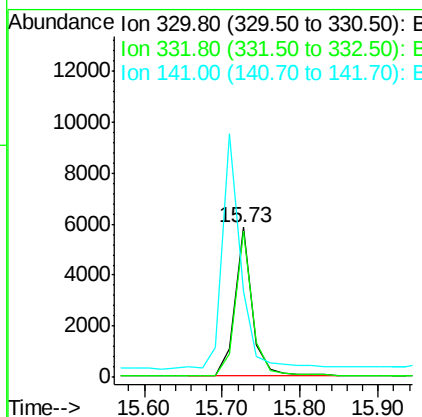
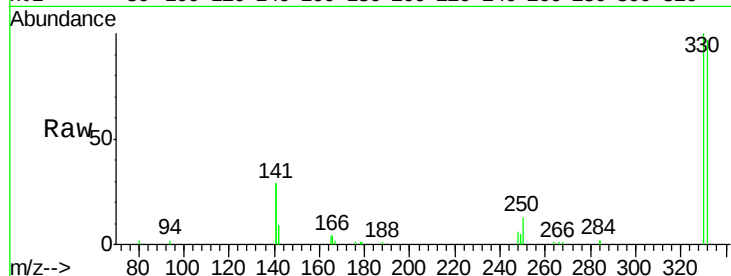




#13
 2,4,6-Tribromophenol
 Concen: 9.46 ng
 RT: 15.73 min Scan# 2207
 Delta R.T. -0.00 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

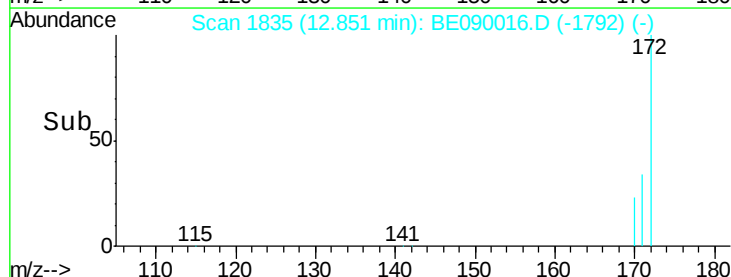
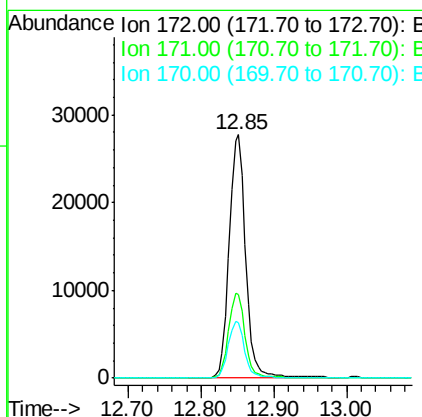
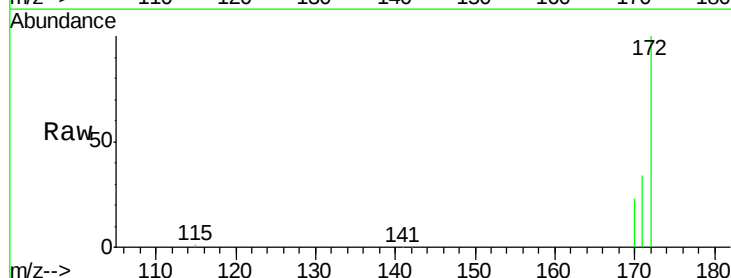
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650624-150626

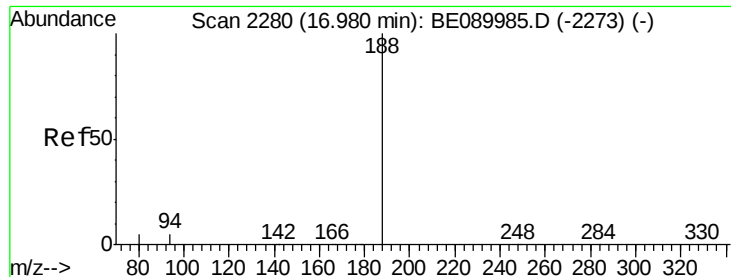
Tgt Ion: 330 Resp: 9157
 Ion Ratio Lower Upper
 330 100
 332 97.0 76.4 114.6
 141 165.5 130.3 195.5



#14
 2-Fluorobiphenyl
 Concen: 4.39 ng
 RT: 12.85 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

Tgt Ion: 172 Resp: 43574
 Ion Ratio Lower Upper
 172 100
 171 34.2 27.8 41.6
 170 22.8 18.3 27.5





#18

Phenanthrene-d10

Concen: 5.00 ng

RT: 16.96 min Scan# 2278

Delta R.T. -0.02 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

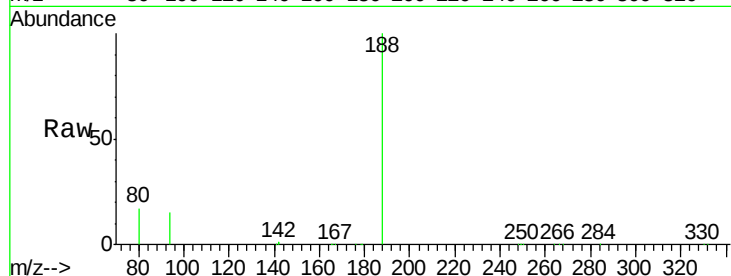
Tgt Ion:188 Resp: 74554

Ion Ratio Lower Upper

188 100

94 15.1 4.1 6.1#

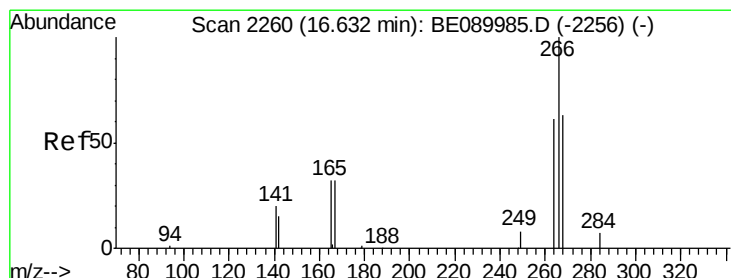
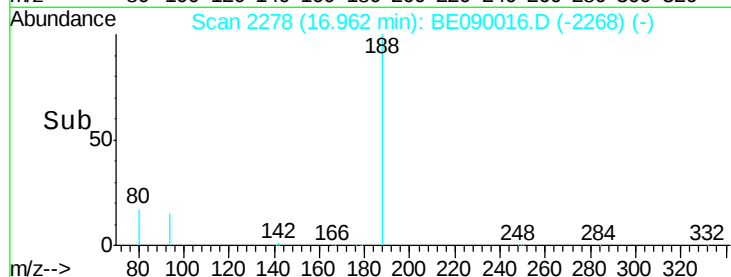
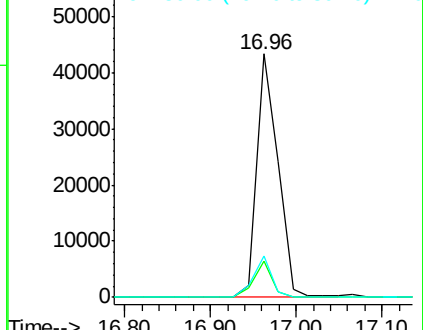
80 17.0 4.2 6.2#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#21

Pentachlorophenol

Concen: 0.28 ng

RT: 16.63 min Scan# 2259

Delta R.T. -0.00 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

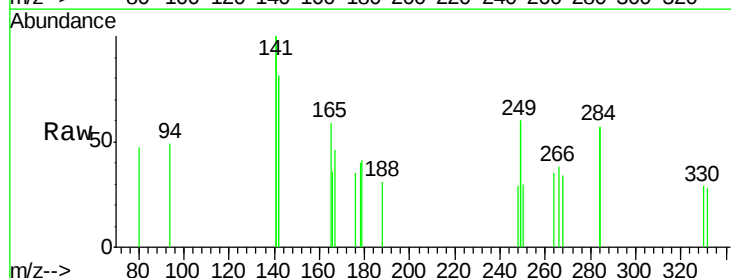
Tgt Ion:266 Resp: 46

Ion Ratio Lower Upper

266 100

268 88.9 51.8 77.8#

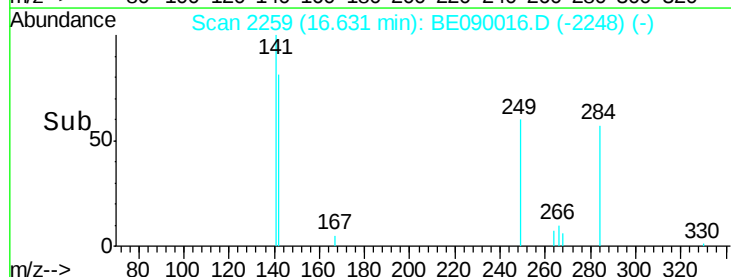
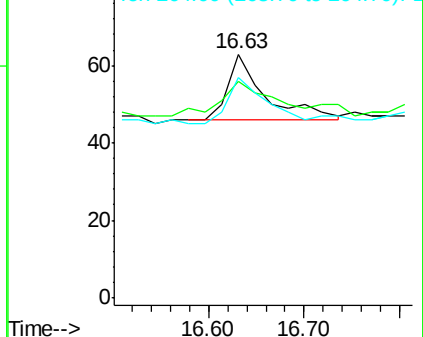
264 90.5 50.2 75.2#

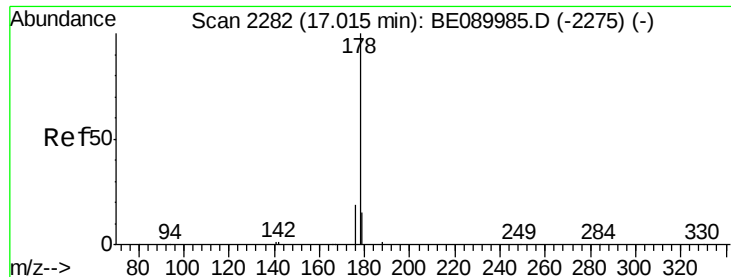


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#22

Phenanthrene

Concen: 0.15 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.00 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

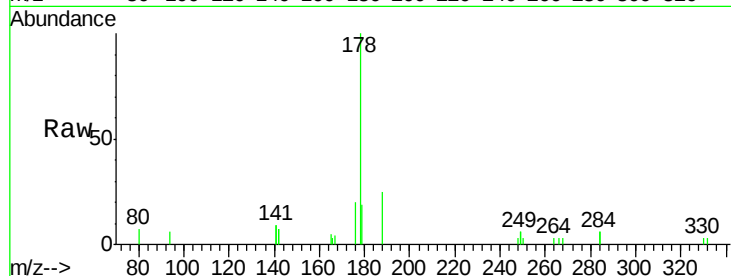
Tgt Ion:178 Resp: 2900

Ion Ratio Lower Upper

178 100

176 19.3 15.3 22.9

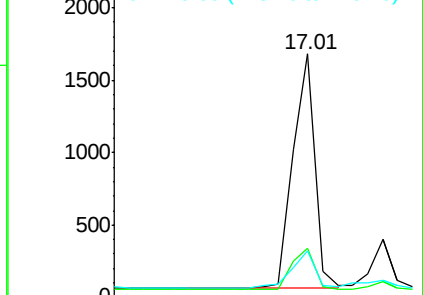
179 17.8 12.4 18.6



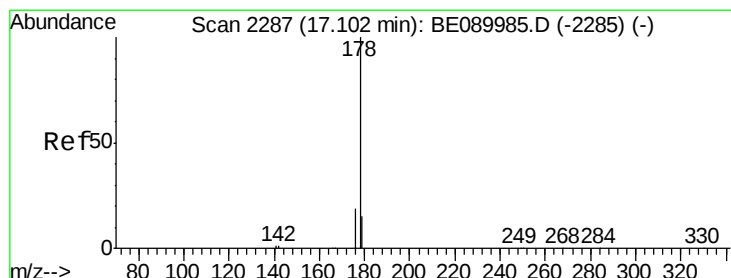
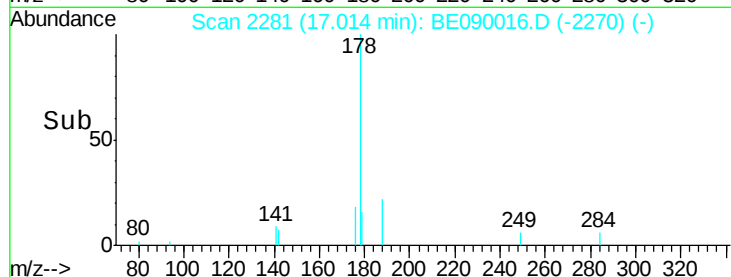
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#23

Anthracene

Concen: 0.17 ng

RT: 17.01 min Scan# 2281

Delta R.T. -0.09 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

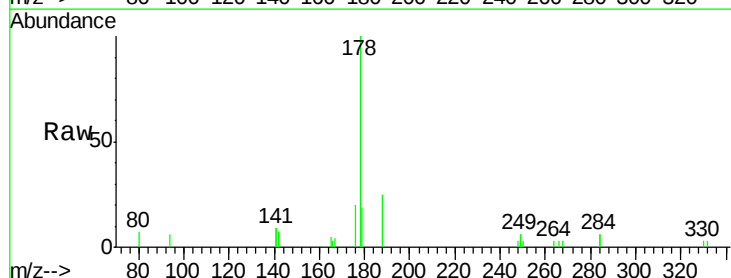
Tgt Ion:178 Resp: 2888

Ion Ratio Lower Upper

178 100

176 18.9 14.7 22.1

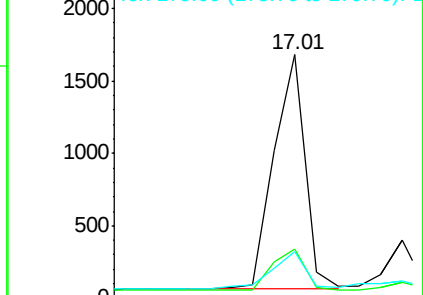
179 16.4 12.1 18.1



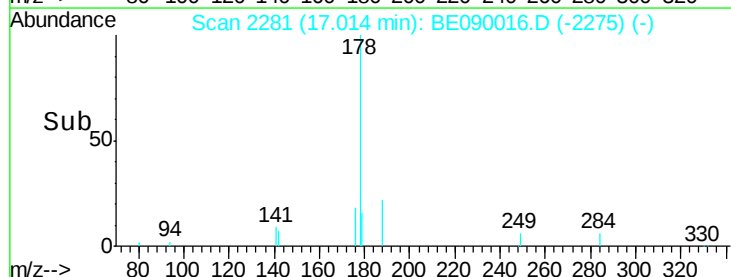
Abundance Ion 178.00 (177.70 to 178.70): E

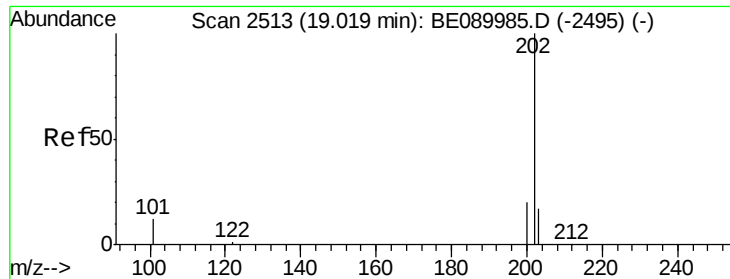
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

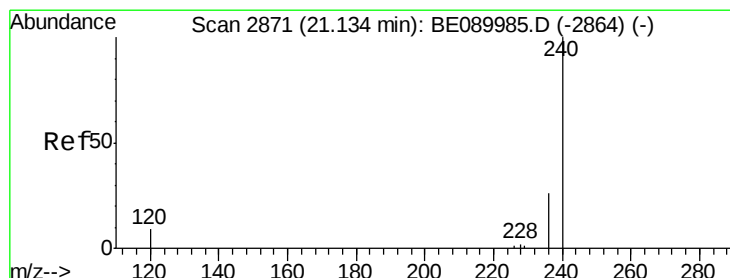
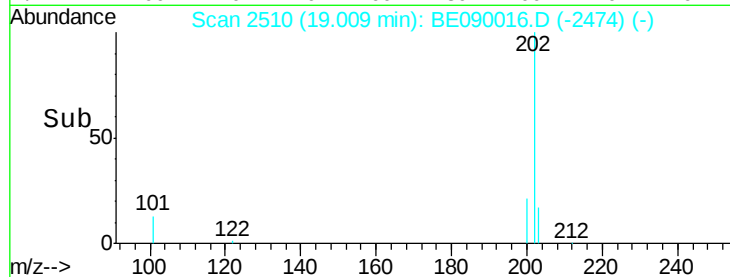
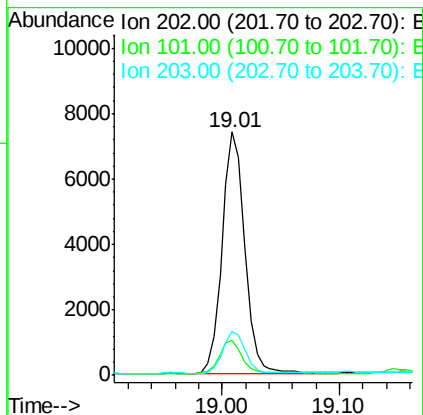
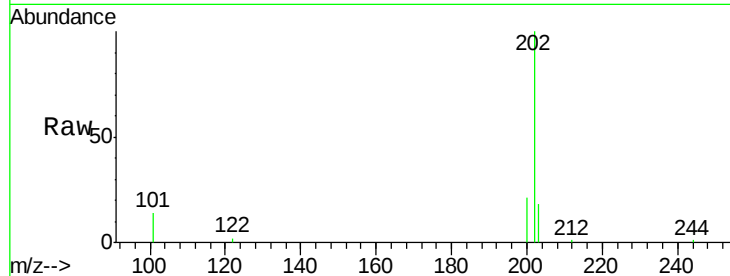




#24
 Fluoranthene
 Concen: 0.46 ng
 RT: 19.01 min Scan# 2510
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

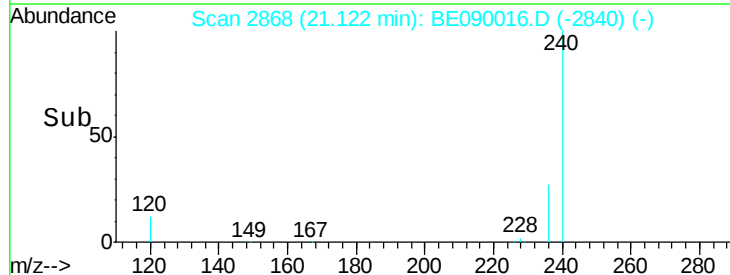
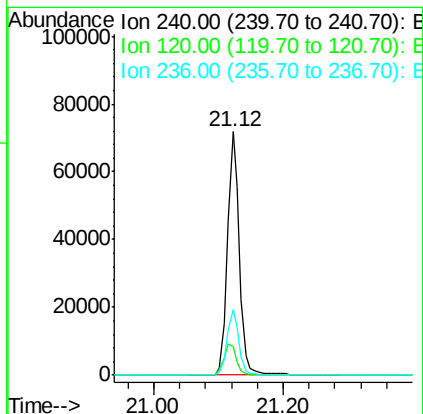
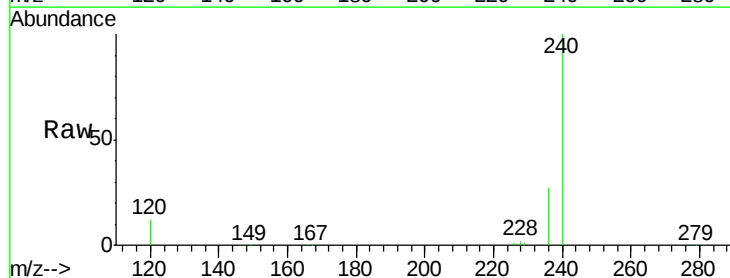
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650624-150626

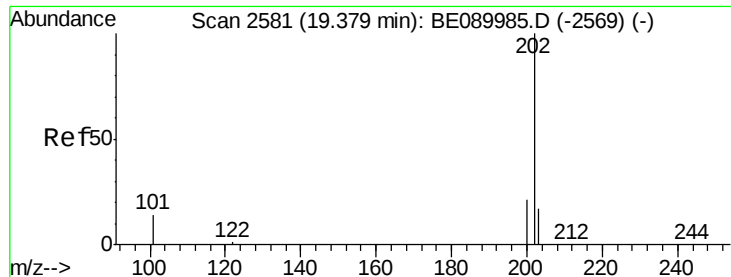
Tgt Ion:202 Resp: 9891
 Ion Ratio Lower Upper
 202 100
 101 13.9 10.6 15.8
 203 17.1 13.8 20.6



#25
 Chrysene-d12
 Concen: 5.00 ng
 RT: 21.12 min Scan# 2868
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

Tgt Ion:240 Resp: 92231
 Ion Ratio Lower Upper
 240 100
 120 11.7 6.9 10.3#
 236 26.9 20.8 31.2

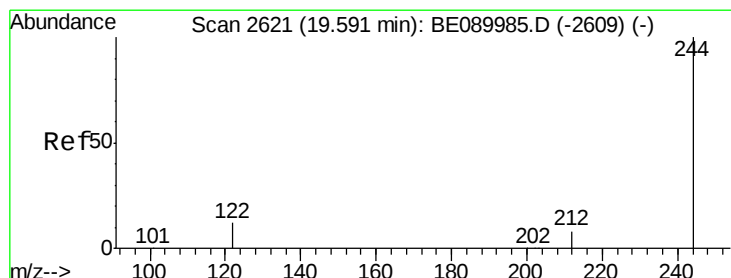
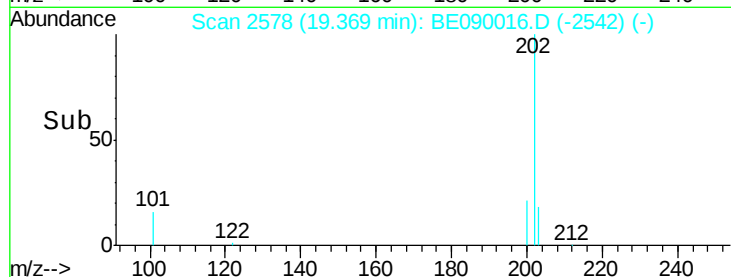
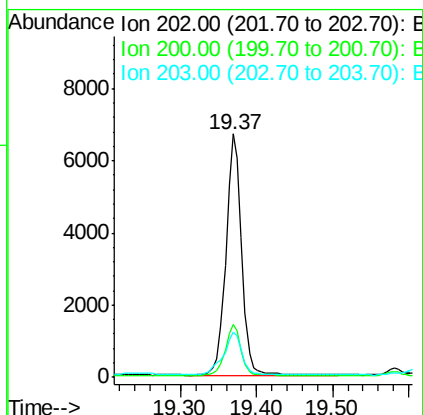
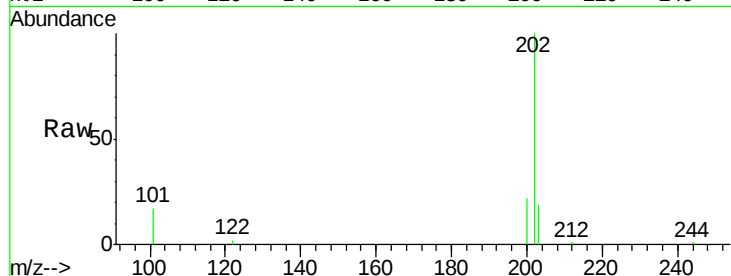




#26
 Pyrene
 Concen: 0.44 ng
 RT: 19.37 min Scan# 2578
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

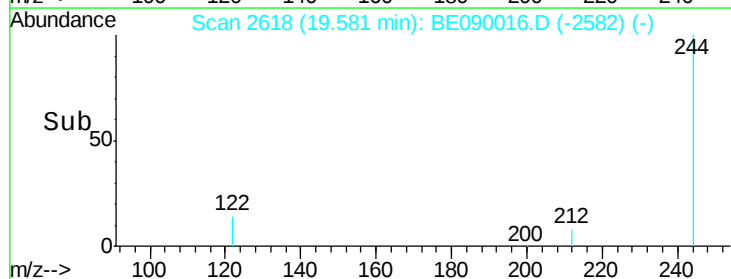
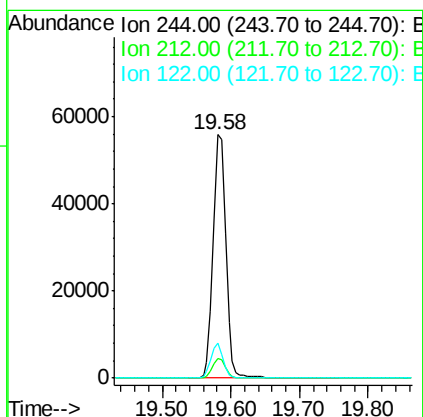
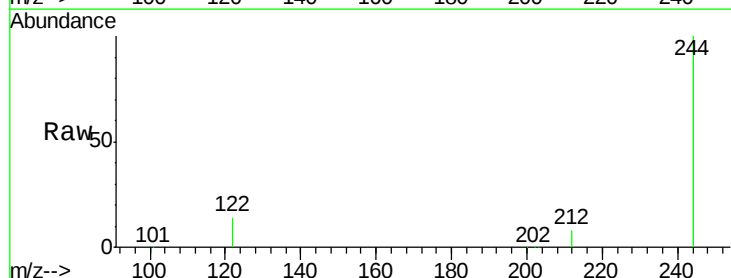
Instrument :
 BNA_E
 ClientSampleId :
 X1SS0650624-150626

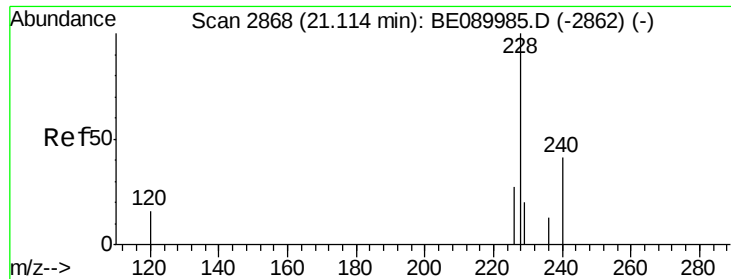
Tgt Ion: 202 Resp: 9588
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.8 25.2
 203 20.8 13.9 20.9



#27
 Terphenyl-d14
 Concen: 4.60 ng
 RT: 19.58 min Scan# 2618
 Delta R.T. -0.01 min
 Lab File: BE090016.D
 Acq: 30 Jun 2015 18:31

Tgt Ion: 244 Resp: 70668
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.6 9.8
 122 14.4 9.8 14.8

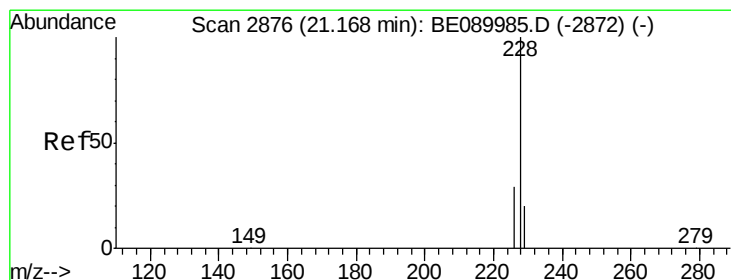
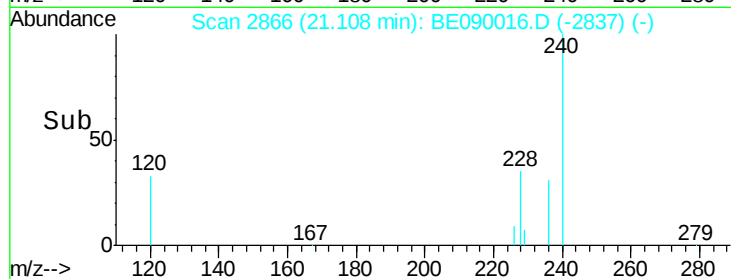
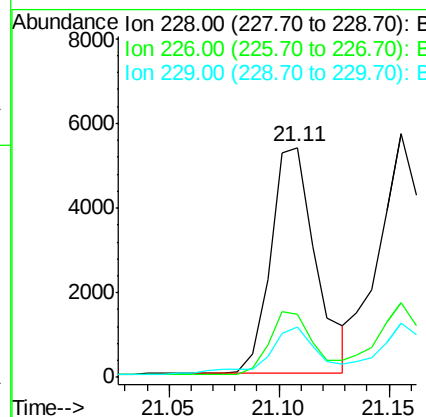
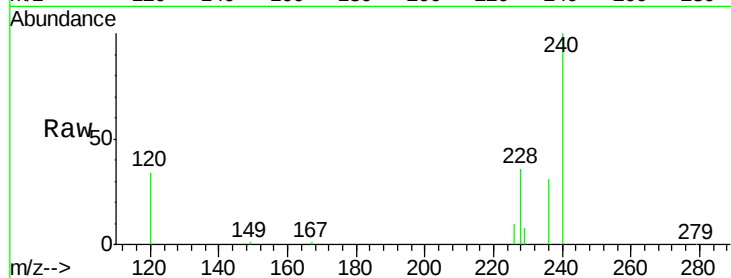




#28
Benzo(a)anthracene
Concen: 0.33 ng
RT: 21.11 min Scan# 2866
Delta R.T. -0.01 min
Lab File: BE090016.D
Acq: 30 Jun 2015 18:31

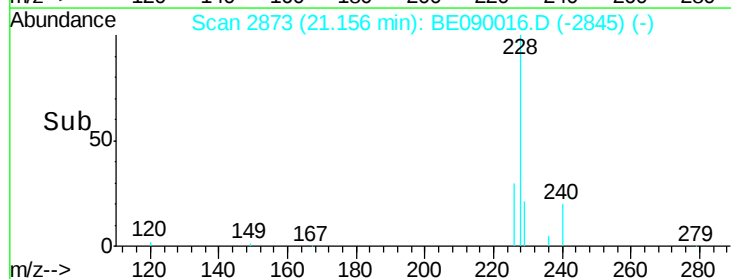
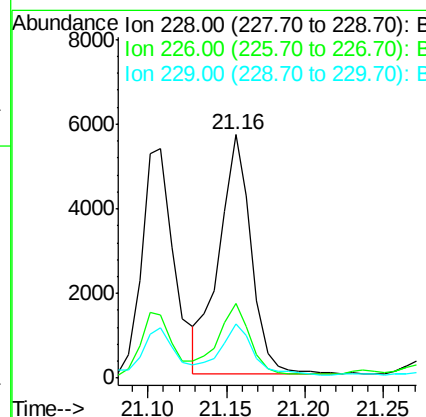
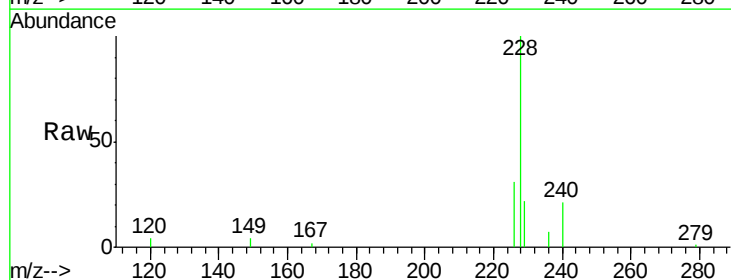
Instrument :
BNA_E
ClientSampleId :
X1SS0650624-150626

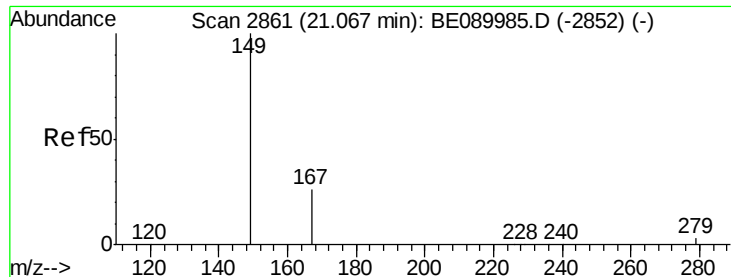
Tgt Ion: 228 Resp: 7601
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.6
229 21.7 15.8 23.6



#29
Chrysene
Concen: 0.34 ng
RT: 21.16 min Scan# 2873
Delta R.T. -0.01 min
Lab File: BE090016.D
Acq: 30 Jun 2015 18:31

Tgt Ion: 228 Resp: 8095
Ion Ratio Lower Upper
228 100
226 30.6 23.4 35.0
229 22.0 16.2 24.2





#30

Bis(2-ethylhexyl)phthalate

Concen: 0.50 ng

RT: 21.05 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

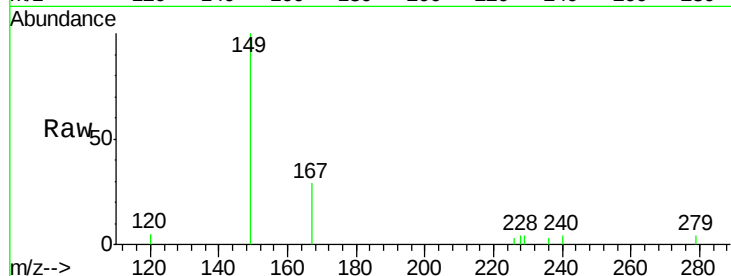
Tgt Ion:149 Resp: 2207

Ion Ratio Lower Upper

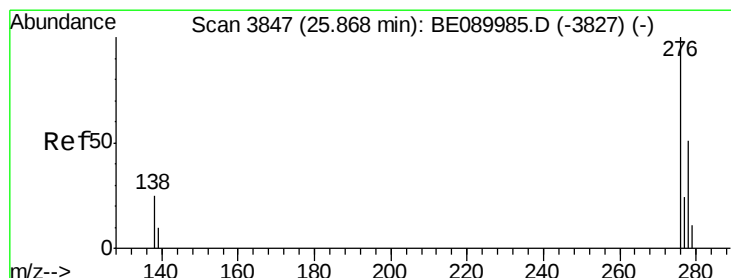
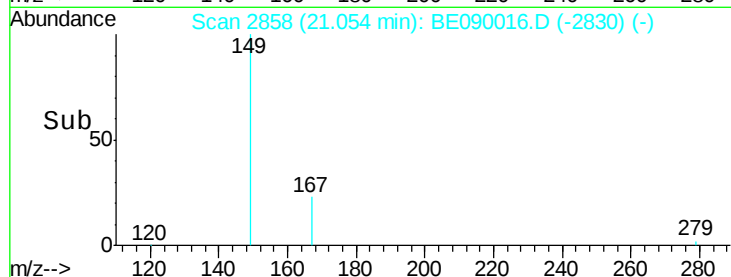
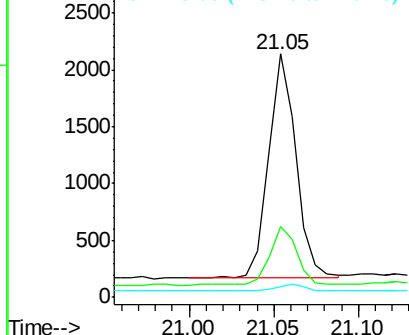
149 100

167 25.6 20.3 30.5

279 3.5 2.6 3.8



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#31

Indeno(1,2,3-cd)pyrene

Concen: 0.25 ng

RT: 25.84 min Scan# 3840

Delta R.T. -0.03 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

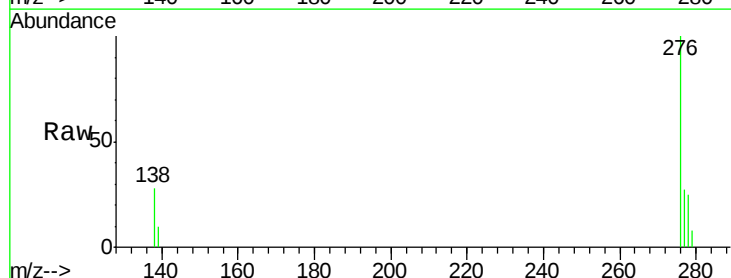
Tgt Ion:276 Resp: 5841

Ion Ratio Lower Upper

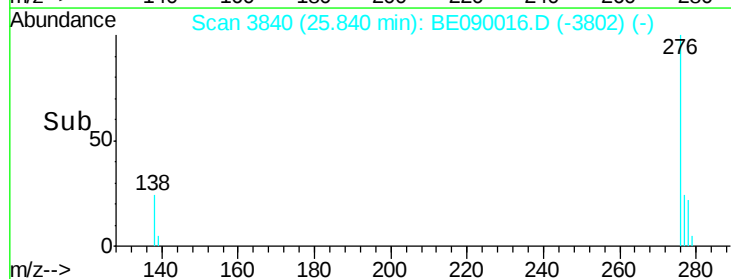
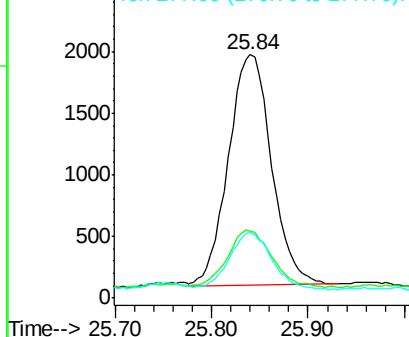
276 100

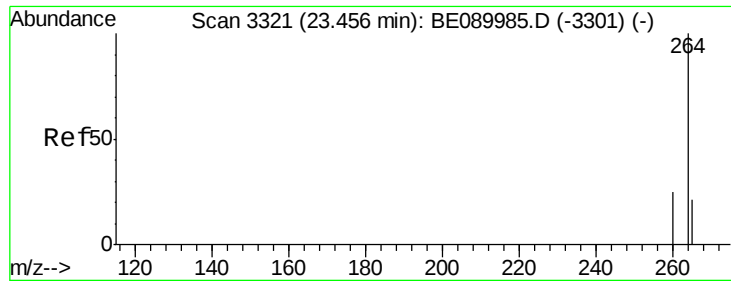
138 25.3 21.3 31.9

277 25.1 19.7 29.5



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#32

Perylene-d12

Concen: 5.00 ng

RT: 23.44 min Scan# 3316

Delta R.T. -0.02 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

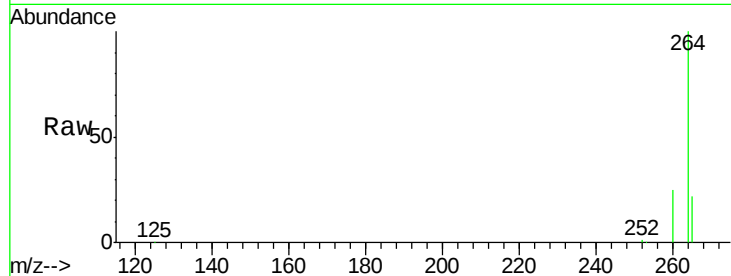
Tgt Ion:264 Resp: 92376

Ion Ratio Lower Upper

264 100

260 25.3 20.2 30.2

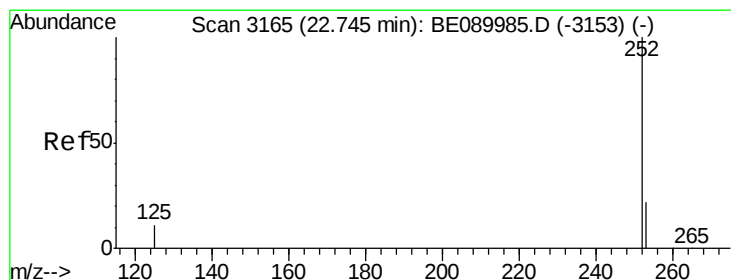
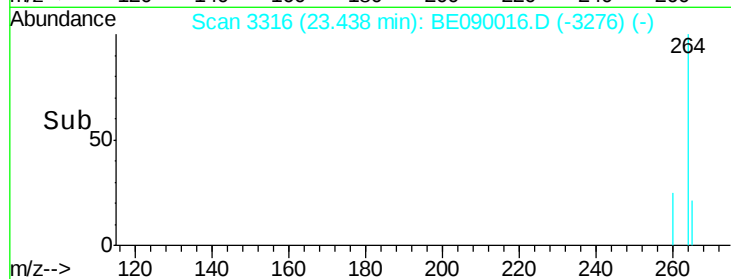
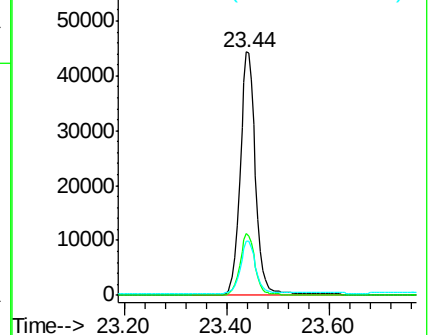
265 22.0 17.1 25.7



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



#33

Benzo(b)fluoranthene

Concen: 0.57 ng

RT: 22.74 min Scan# 3162

Delta R.T. -0.01 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

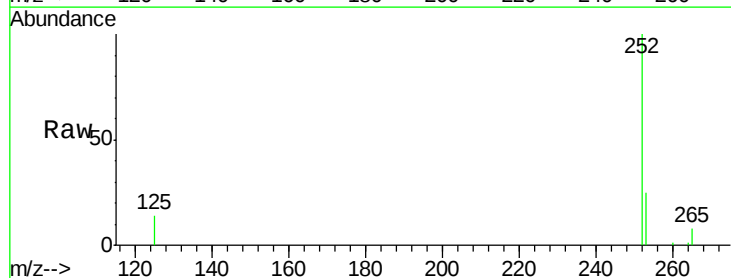
Tgt Ion:252 Resp: 11638

Ion Ratio Lower Upper

252 100

253 24.5 17.8 26.8

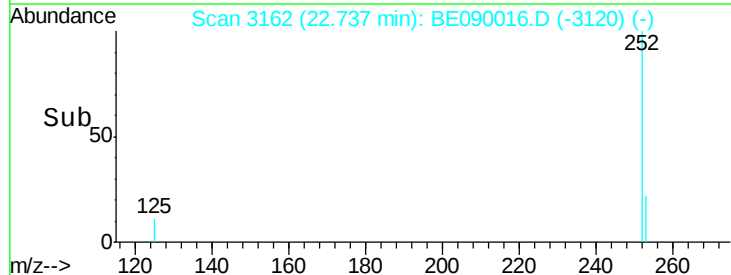
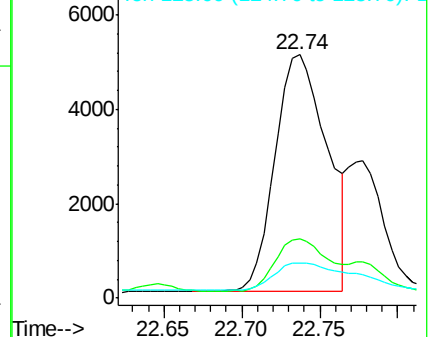
125 14.4 9.0 13.4#

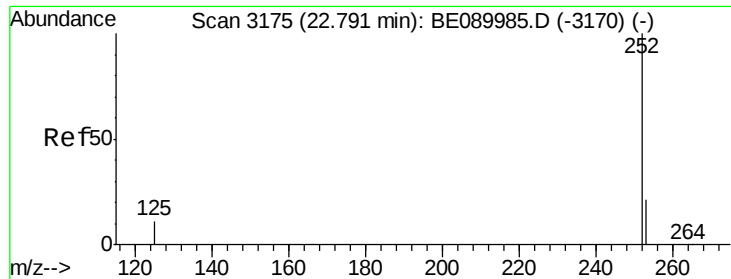


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#34

Benzo(k)fluoranthene

Concen: 0.51 ng

RT: 22.74 min Scan# 3162

Delta R.T. -0.05 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

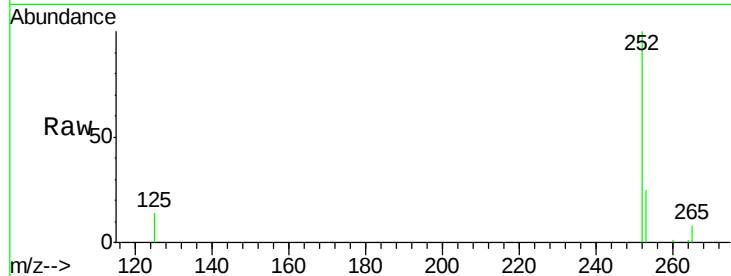
Tgt Ion:252 Resp: 11638

Ion Ratio Lower Upper

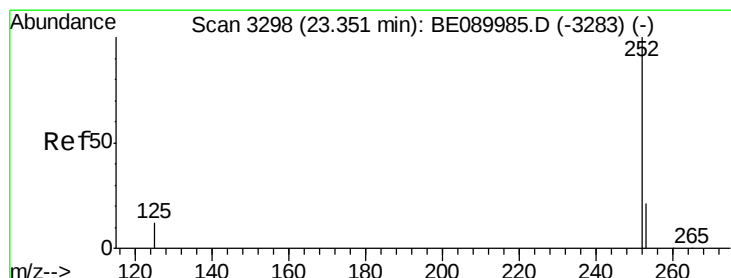
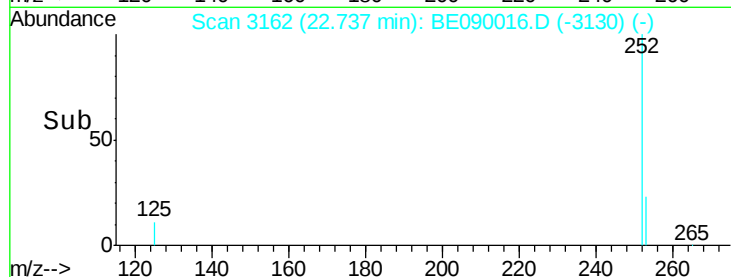
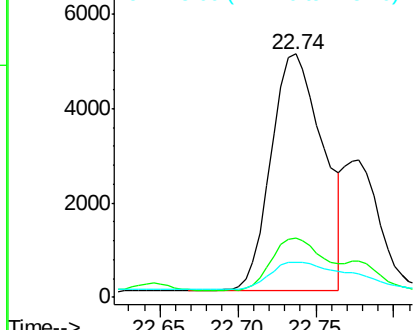
252 100

253 24.5 17.5 26.3

125 14.4 9.5 14.3#



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



#35

Benzo(a)pyrene

Concen: 0.40 ng

RT: 23.33 min Scan# 3293

Delta R.T. -0.02 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

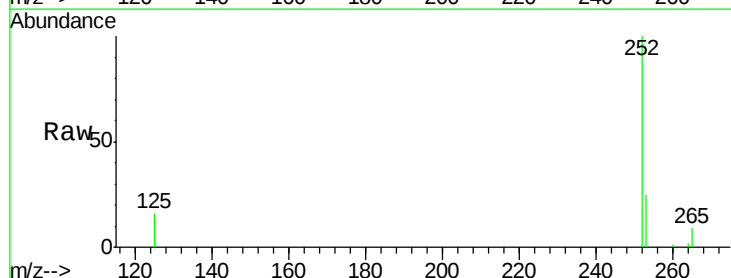
Tgt Ion:252 Resp: 7559

Ion Ratio Lower Upper

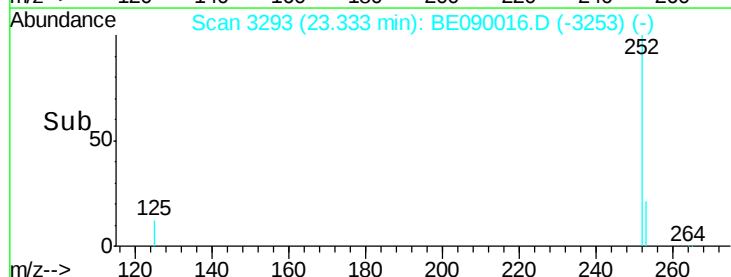
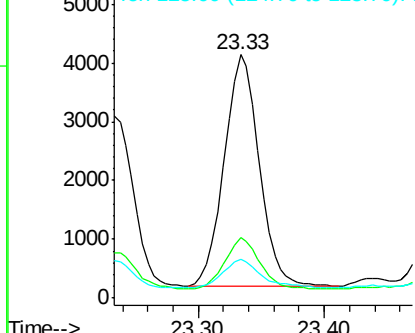
252 100

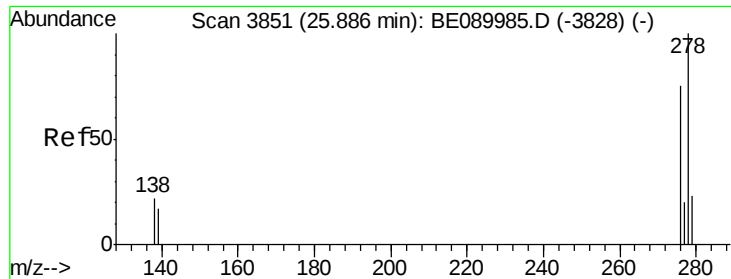
253 24.7 17.4 26.2

125 16.1 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





#36

Dibenzo(a,h)anthracene

Concen: 0.09 ng

RT: 25.85 min Scan# 3843

Delta R.T. -0.03 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

Instrument :

BNA_E

ClientSampleId :

X1SS0650624-150626

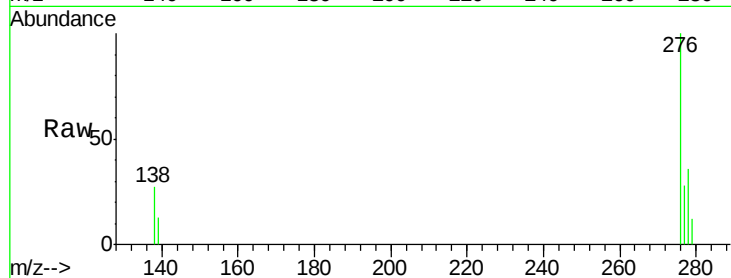
Tgt Ion: 278 Resp: 1744

Ion Ratio Lower Upper

278 100

139 35.5 14.4 21.6#

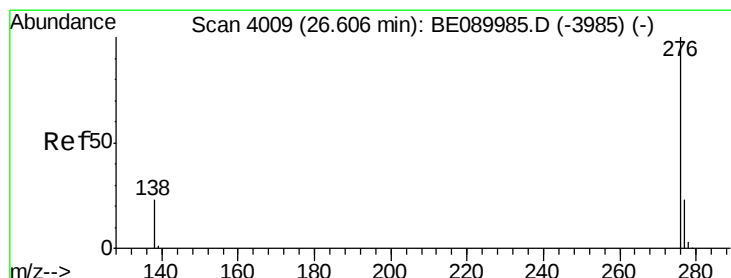
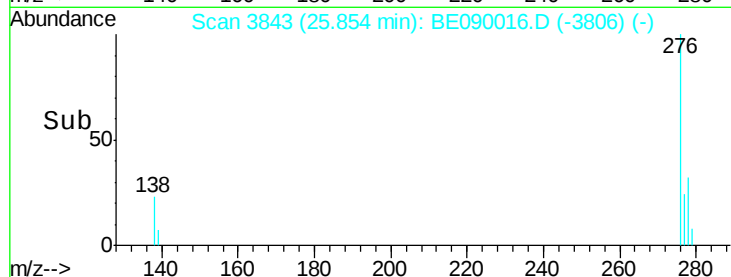
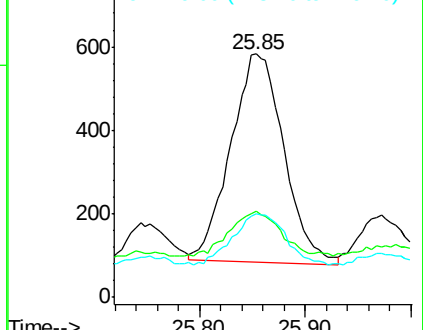
279 34.3 19.0 28.6#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#37

Benzo(g,h,i)perylene

Concen: 0.31 ng

RT: 26.57 min Scan# 4001

Delta R.T. -0.03 min

Lab File: BE090016.D

Acq: 30 Jun 2015 18:31

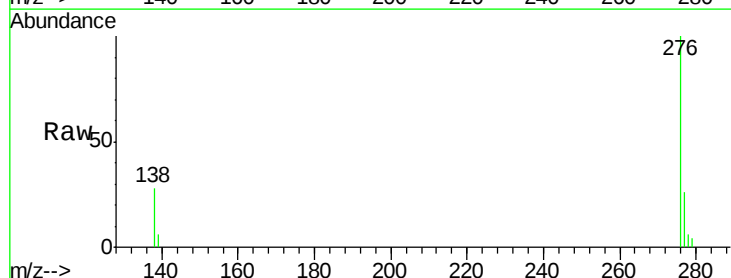
Tgt Ion: 276 Resp: 6092

Ion Ratio Lower Upper

276 100

277 26.2 18.8 28.2

138 27.7 18.6 27.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

