

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088425.D
 Acq On : 31 Oct 2014 16:28
 Operator : TP/JJ
 Sample : SSTDICC0.8
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Quant Time: Nov 01 00:24:58 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE103114.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:20:37 2014
 Response via : Initial Calibration

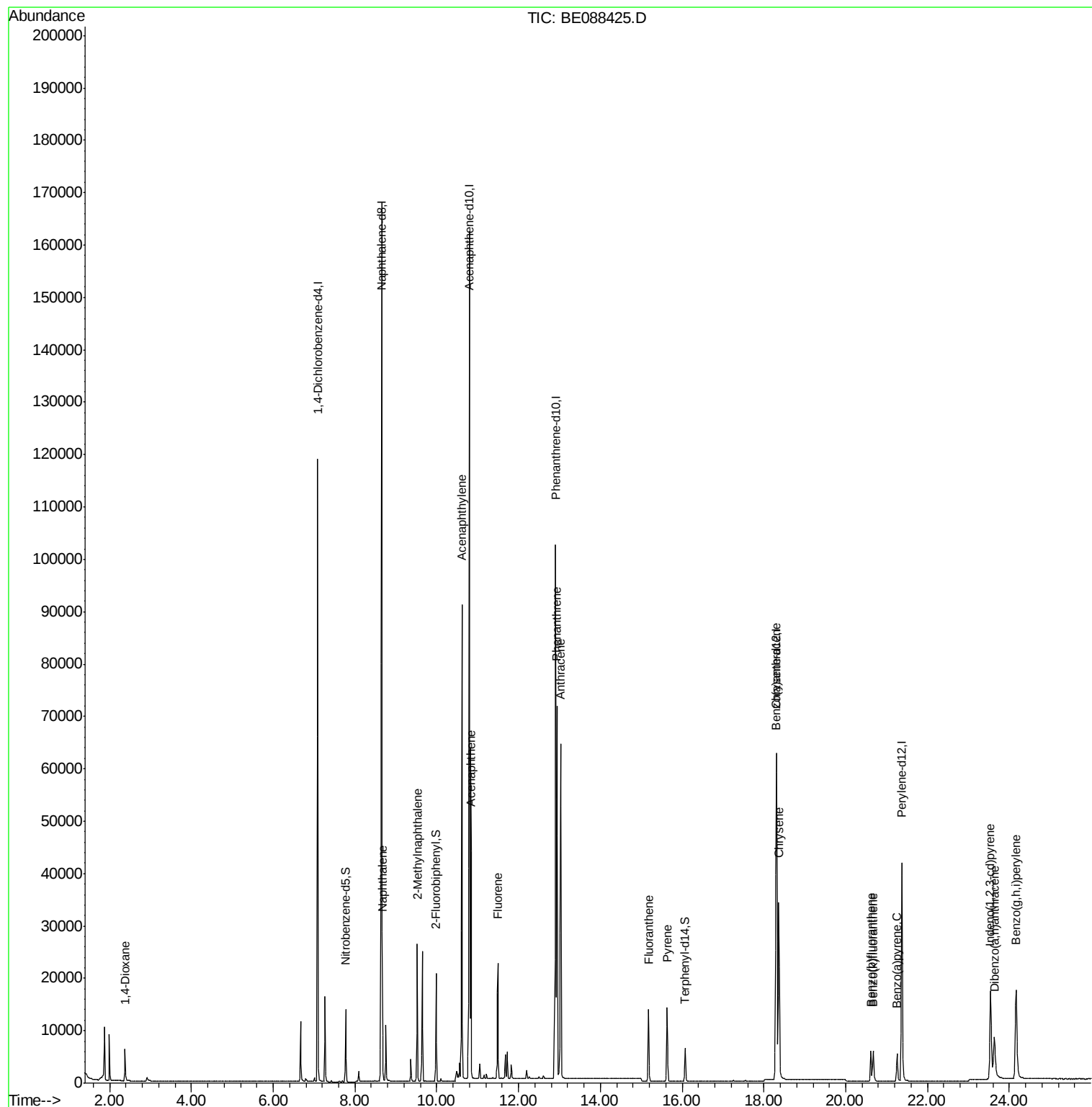
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.09	152	39809	5.00	ng	0.00
3) Naphthalene-d8	8.65	136	152540	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	72025	5.00	ng	0.00
12) Phenanthrene-d10	12.90	188	136446	5.00	ng	0.00
16) Chrysene-d12	18.31	240	66224	5.00	ng	0.00
22) Perylene-d12	21.37	264	57595	5.00	ng	0.00
System Monitoring Compounds						
4) Nitrobenzene-d5	7.77	82	7452	0.67	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	13684	0.67	ng	0.00
18) Terphenyl-d14	16.07	244	8112	0.67	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.37	88	3493	0.67	ng	99
5) Naphthalene	8.67	128	21374	0.67	ng	100
6) 2-Methylnaphthalene	9.52	142	13287	0.67	ng	99
9) Acenaphthylene	10.62	152	78333	0.66	ng	99
10) Acenaphthene	10.84	154	11565	0.66	ng	98
11) Fluorene	11.50	166	12610	0.68	ng	100
13) Phenanthrene	12.94	178	91607	0.66	ng	99
14) Anthracene	13.02	178	68387	0.68	ng	99
15) Fluoranthene	15.18	202	13654	0.68	ng	100
17) Pyrene	15.63	202	14502	0.67	ng	100
19) Benzo(a)anthracene	18.29	228	40803	0.65	ng	99
20) Chrysene	18.36	228	40800	0.66	ng	99
21) Indeno(1,2,3-cd)pyrene	23.54	276	29386	0.50	ng	# 87
23) Benzo(b)fluoranthene	20.61	252	8322	0.66	ng	100
24) Benzo(k)fluoranthene	20.67	252	9382	0.67	ng	99
25) Benzo(a)pyrene	21.26	252	8057	0.67	ng	99
26) Dibenzo(a,h)anthracene	23.64	278	7534	0.67	ng	98
27) Benzo(g,h,i)perylene	24.17	276	34508	0.67	ng	99

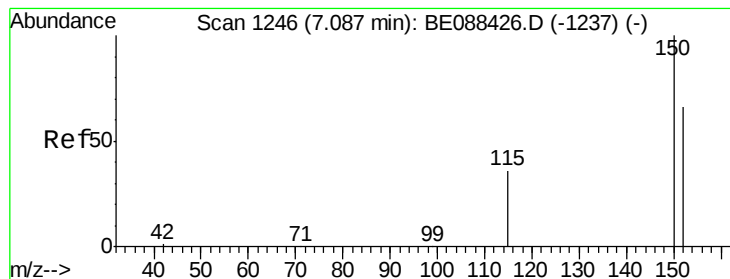
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.09 min Scan# 1246

Delta R.T. -0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

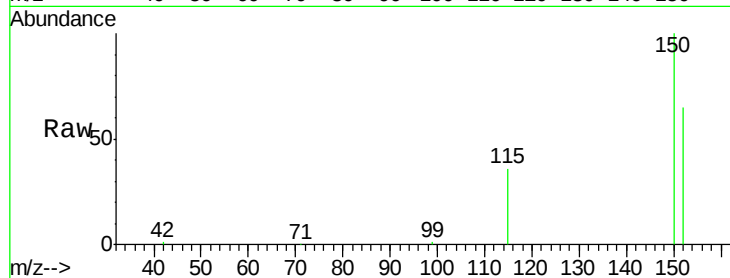
Tgt Ion:152 Resp: 39809

Ion Ratio Lower Upper

152 100

150 154.5 121.8 182.8

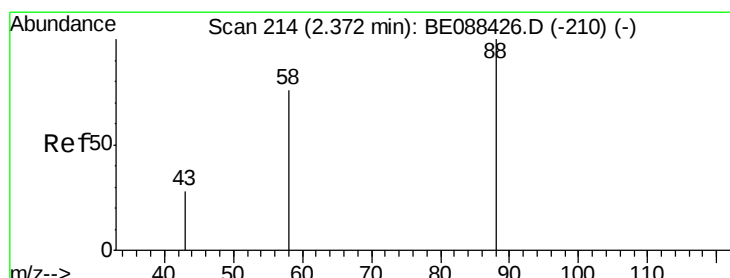
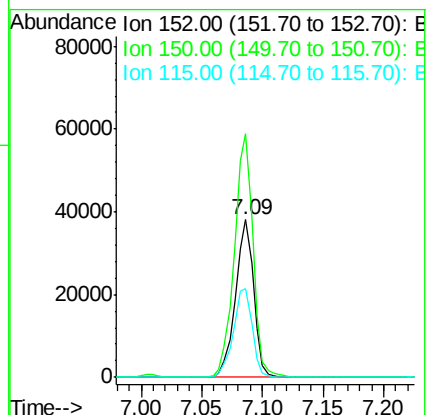
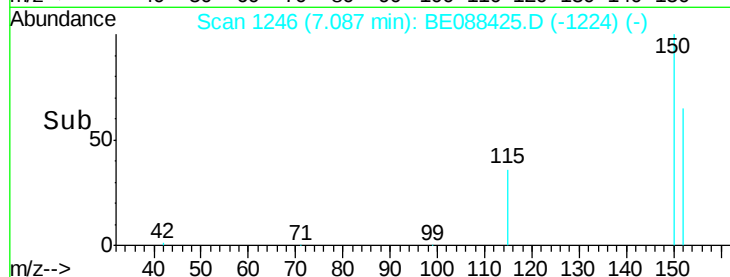
115 56.4 43.9 65.9



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 0.67 ng

RT: 2.37 min Scan# 215

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

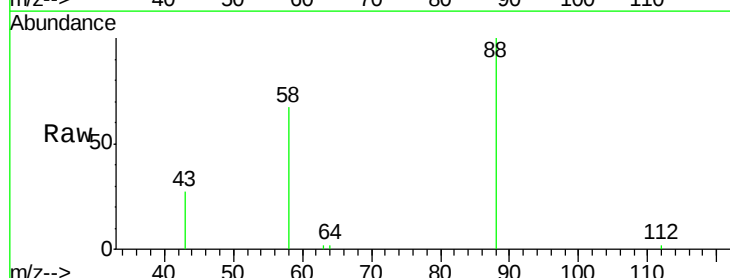
Tgt Ion: 88 Resp: 3493

Ion Ratio Lower Upper

88 100

58 74.1 59.1 88.7

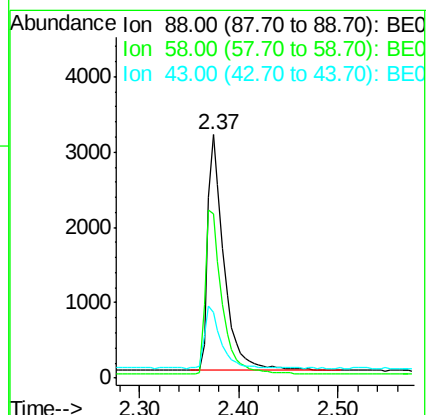
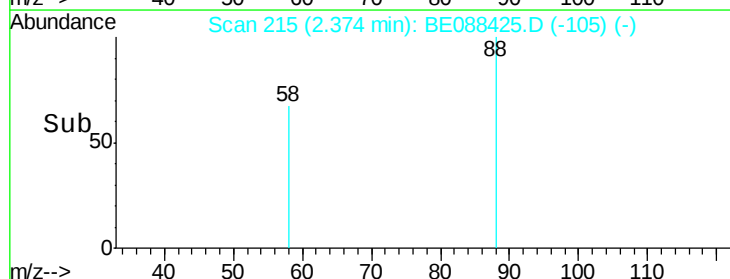
43 26.5 21.9 32.9

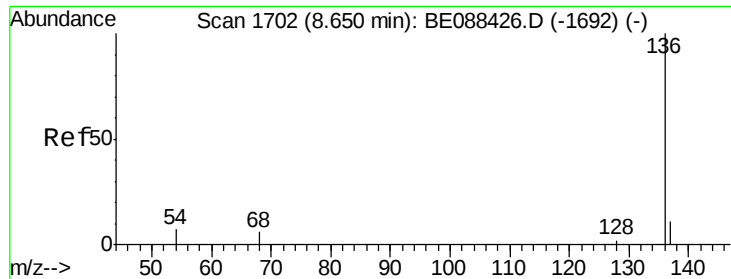


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0

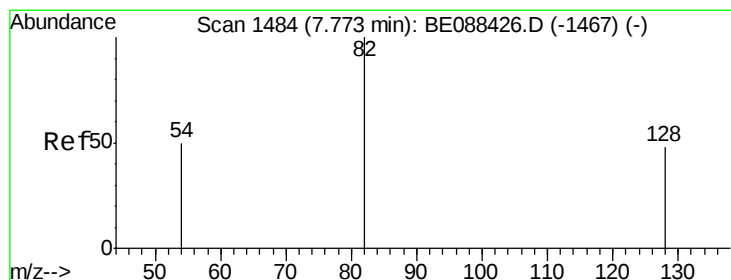
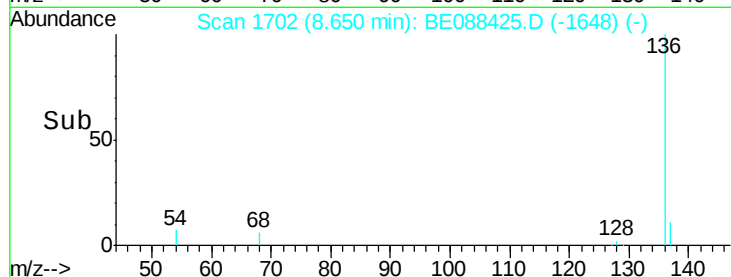
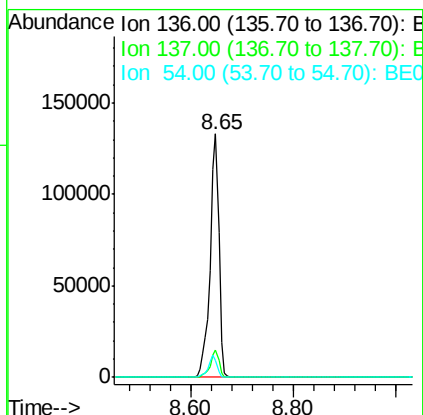
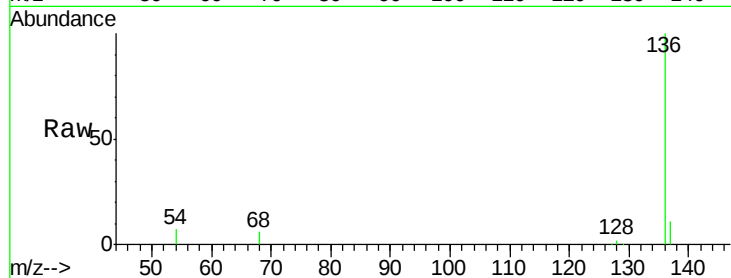




#3
Naphthalene-d8
Concen: 5.00 ng
RT: 8.65 min Scan# 1702
Delta R.T. -0.00 min
Lab File: BE088425.D
Acq: 31 Oct 2014 16:28

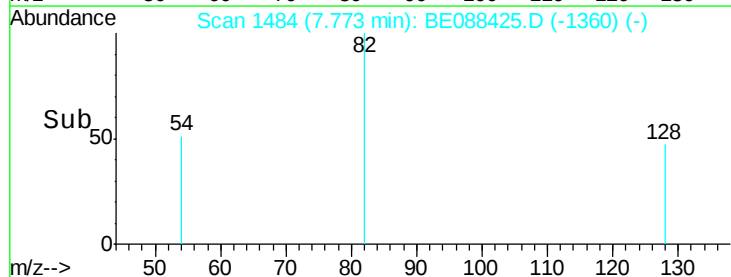
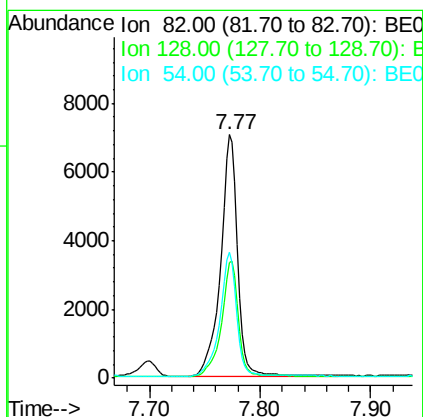
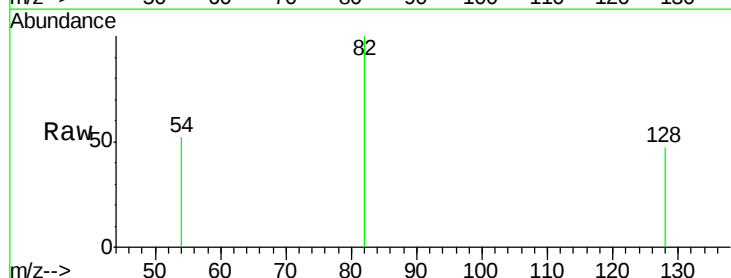
Instrument :
BNA_E
ClientSampleId :
SSTDIC0.8

Tgt Ion: 136 Resp: 152540
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 6.8 5.3 7.9



#4
Nitrobenzene-d5
Concen: 0.67 ng
RT: 7.77 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE088425.D
Acq: 31 Oct 2014 16:28

Tgt Ion: 82 Resp: 7452
Ion Ratio Lower Upper
82 100
128 47.5 38.4 57.6
54 51.5 40.2 60.2





#5

Naphthalene

Concen: 0.67 ng

RT: 8.67 min Scan# 1706

Delta R.T. -0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

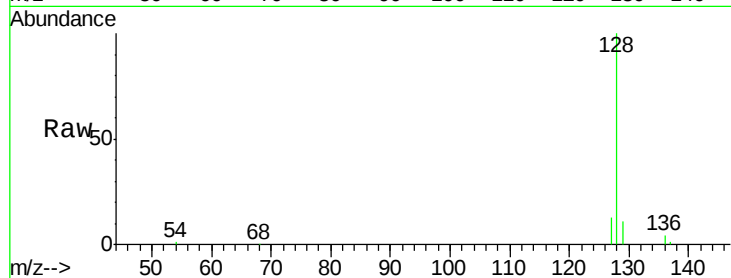
Tgt Ion:128 Resp: 21374

Ion Ratio Lower Upper

128 100

129 10.8 8.6 12.8

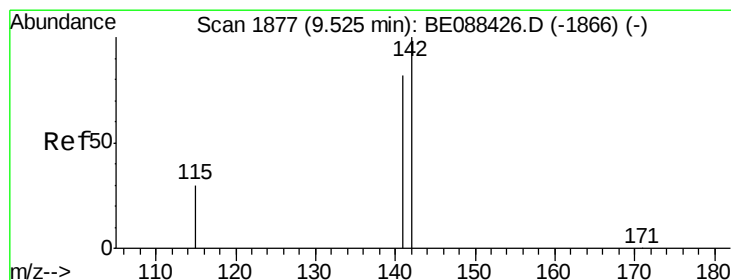
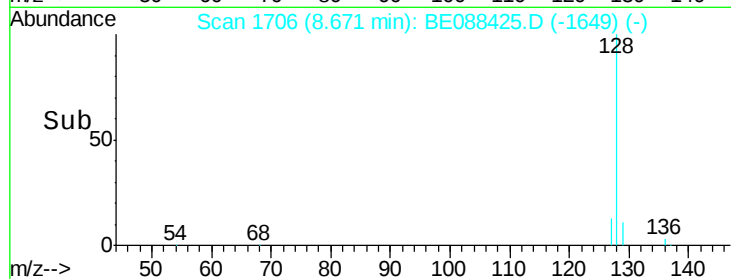
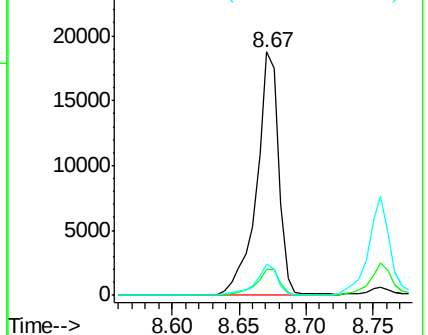
127 12.7 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#6

2-Methylnaphthalene

Concen: 0.67 ng

RT: 9.52 min Scan# 1877

Delta R.T. -0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

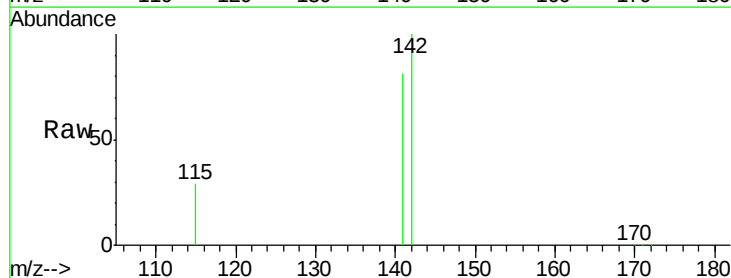
Tgt Ion:142 Resp: 13287

Ion Ratio Lower Upper

142 100

141 81.4 65.8 98.8

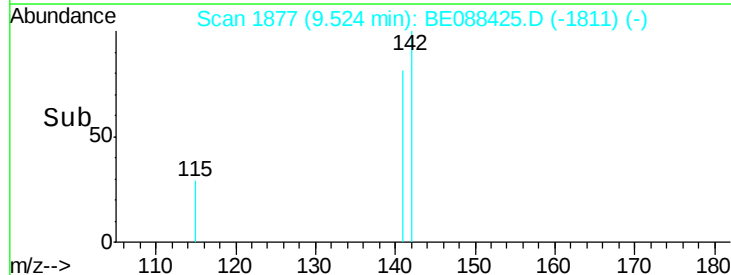
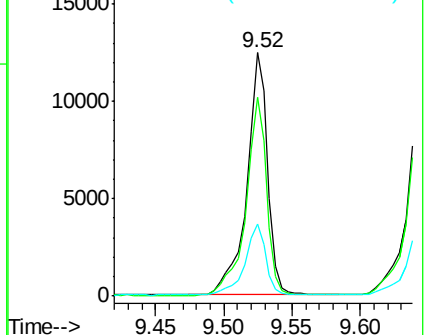
115 29.4 24.2 36.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.79 min Scan# 2109

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

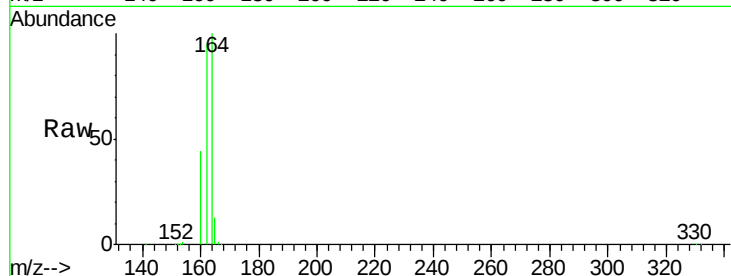
Tgt Ion:164 Resp: 72025

Ion Ratio Lower Upper

164 100

162 95.0 77.0 115.4

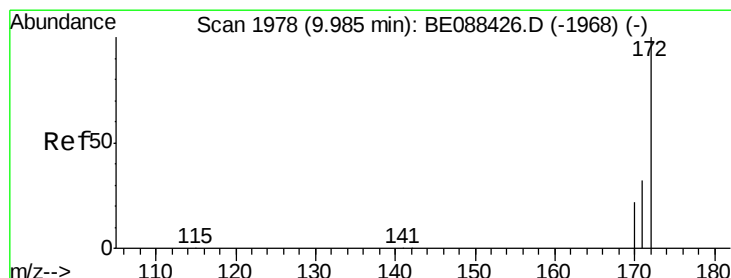
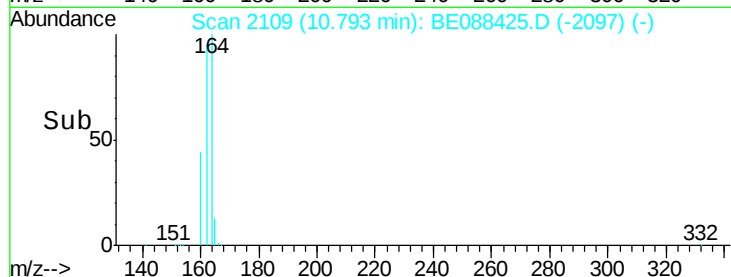
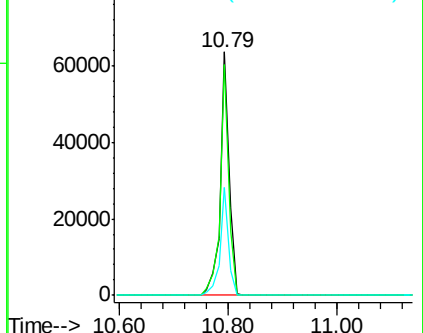
160 44.3 36.8 55.2



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



#8

2-Fluorobiphenyl

Concen: 0.67 ng

RT: 9.98 min Scan# 1978

Delta R.T. -0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

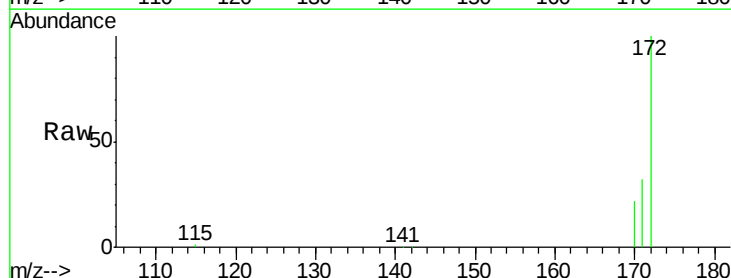
Tgt Ion:172 Resp: 13684

Ion Ratio Lower Upper

172 100

171 32.2 26.0 39.0

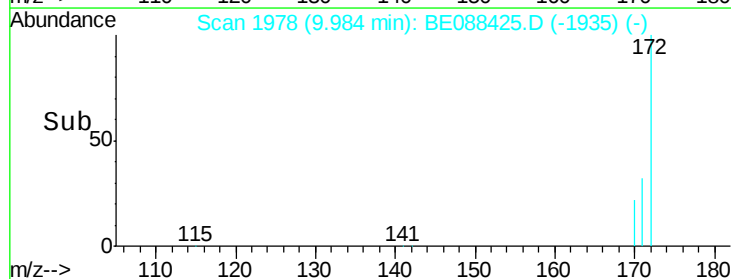
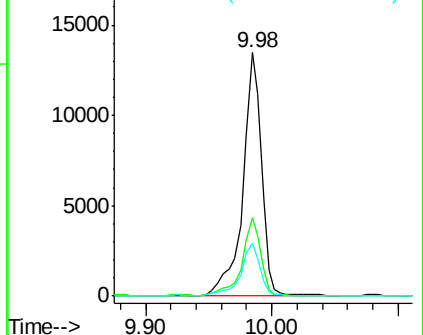
170 21.9 17.6 26.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#9

Acenaphthylene

Concen: 0.66 ng

RT: 10.62 min Scan# 2093

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

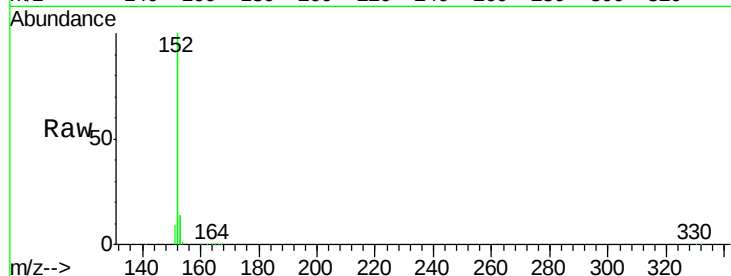
Tgt Ion:152 Resp: 78333

Ion Ratio Lower Upper

152 100

151 4.7 4.4 6.6

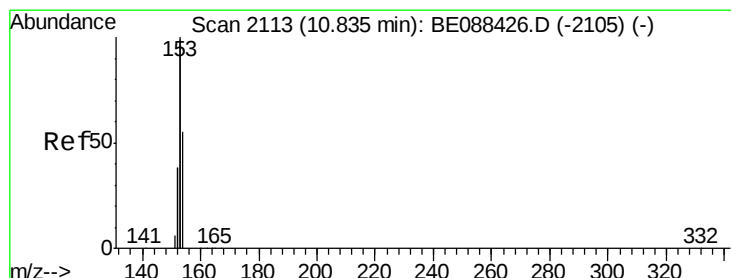
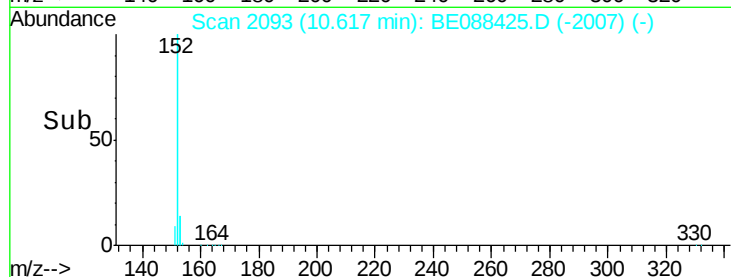
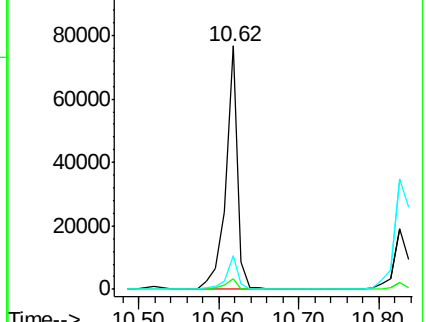
153 13.0 10.5 15.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#10

Acenaphthene

Concen: 0.66 ng

RT: 10.84 min Scan# 2113

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

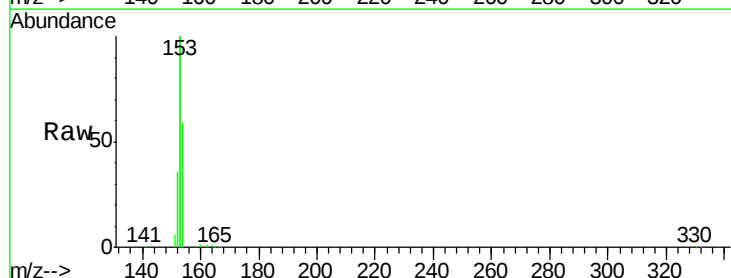
Tgt Ion:154 Resp: 11565

Ion Ratio Lower Upper

154 100

153 400.9 324.3 486.5

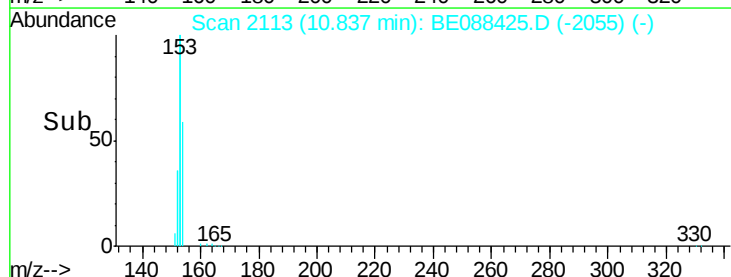
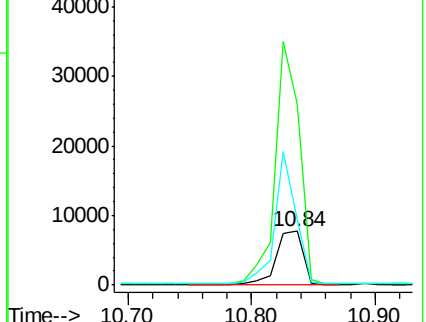
152 191.2 154.9 232.3

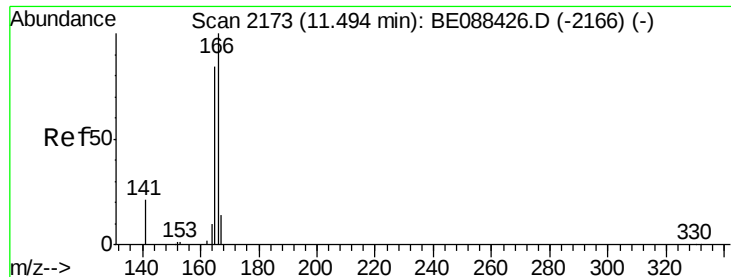


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#11

Fluorene

Concen: 0.68 ng

RT: 11.50 min Scan# 2173

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

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ClientSampleId :

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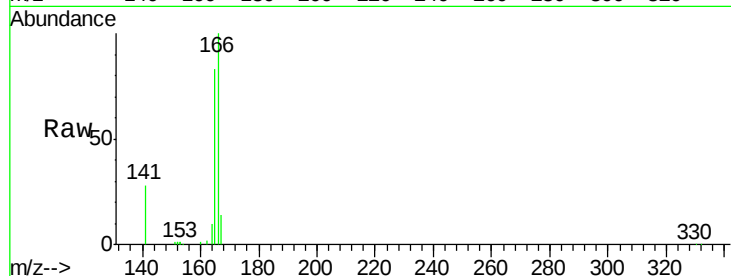
Tgt Ion:166 Resp: 12610

Ion Ratio Lower Upper

166 100

165 89.2 71.3 106.9

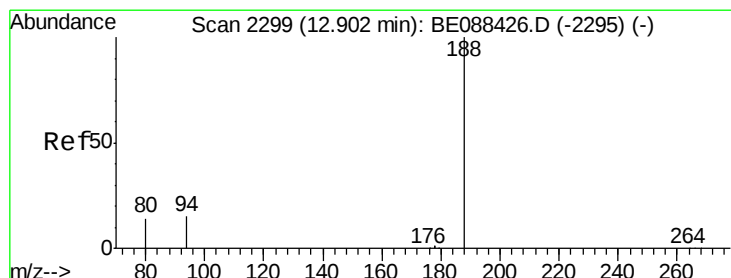
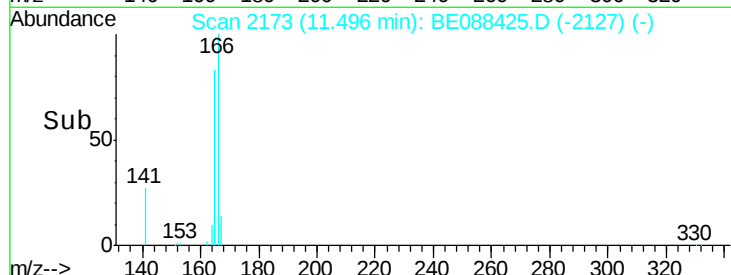
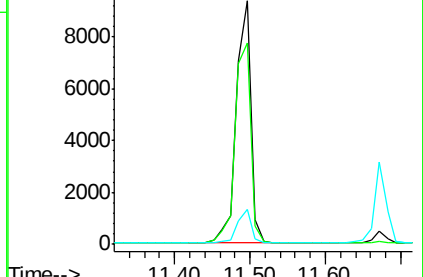
167 13.4 10.7 16.1



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



#12

Phenanthrene-d10

Concen: 5.00 ng

RT: 12.90 min Scan# 2299

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

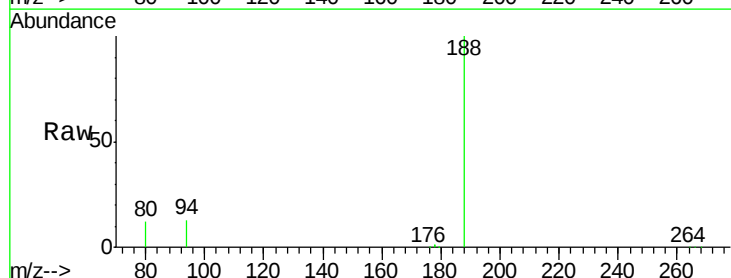
Tgt Ion:188 Resp: 136446

Ion Ratio Lower Upper

188 100

94 13.5 11.8 17.8

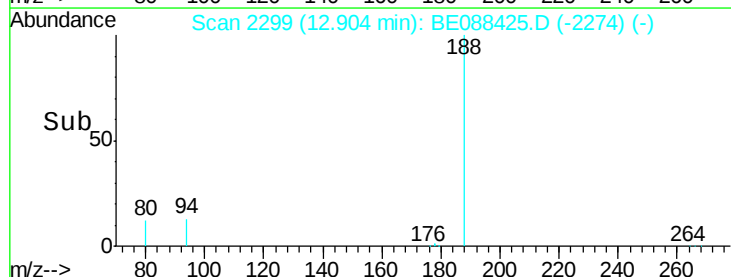
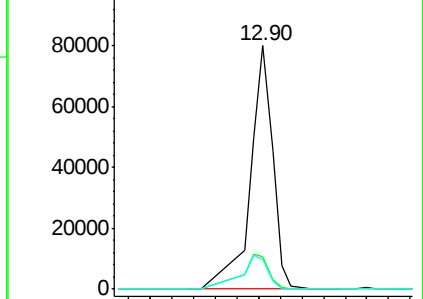
80 12.1 10.9 16.3

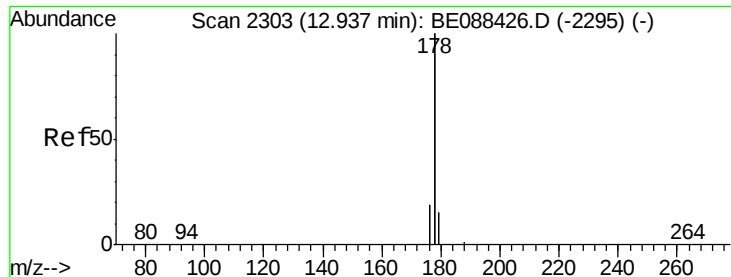


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: 0.66 ng

RT: 12.94 min Scan# 2303

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

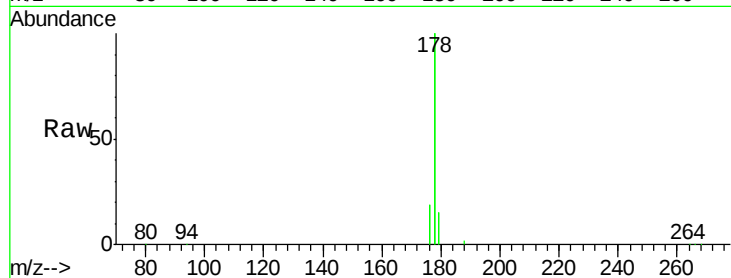
Tgt Ion:178 Resp: 91607

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.2

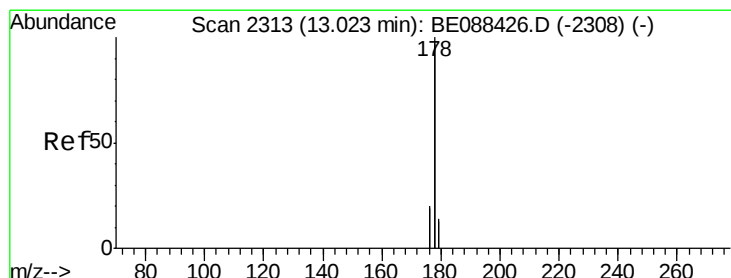
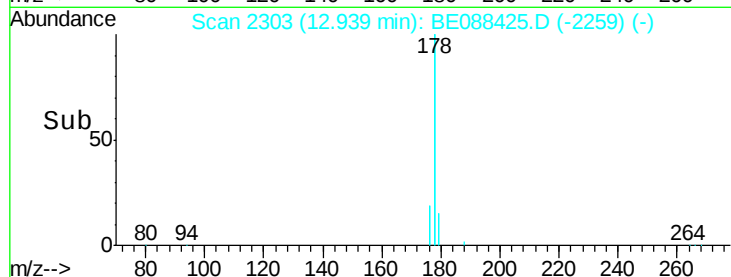
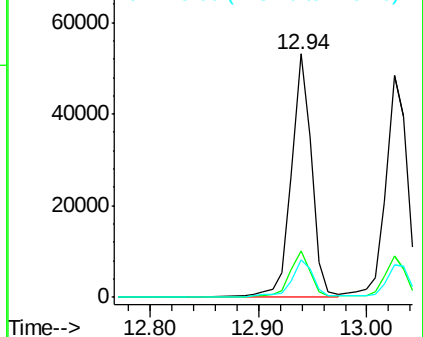
179 16.9 12.8 19.2



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



#14

Anthracene

Concen: 0.68 ng

RT: 13.02 min Scan# 2313

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

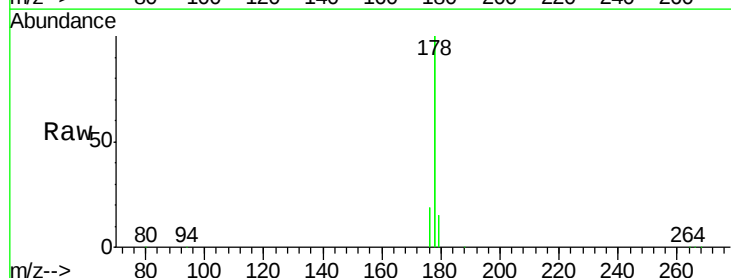
Tgt Ion:178 Resp: 68387

Ion Ratio Lower Upper

178 100

176 18.3 15.0 22.4

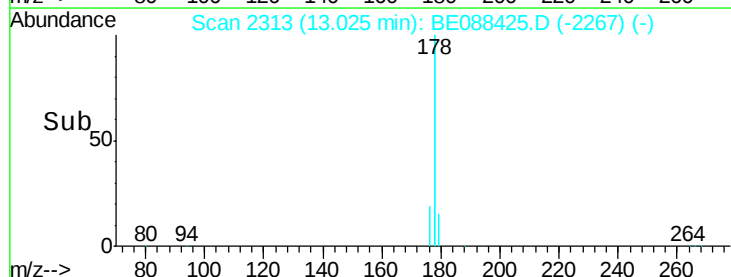
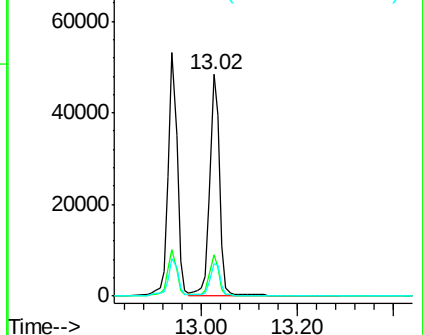
179 15.6 12.5 18.7

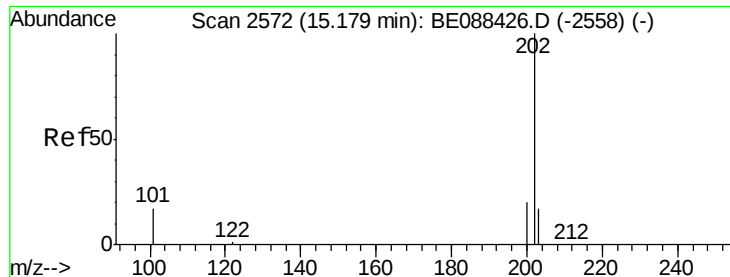


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

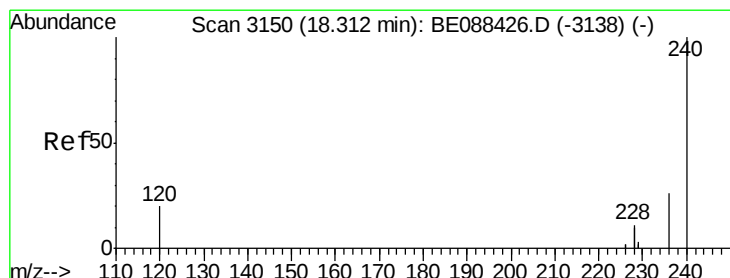
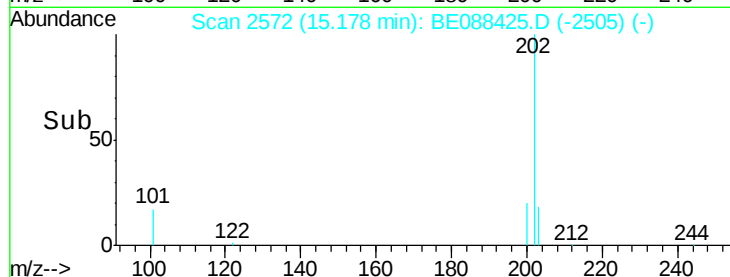
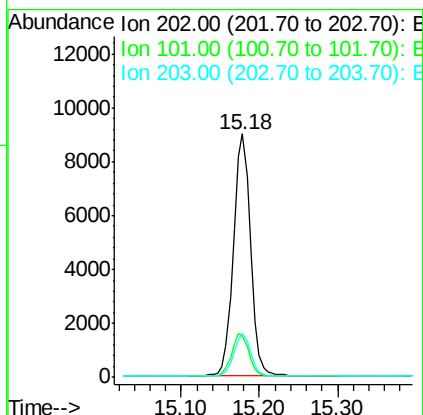
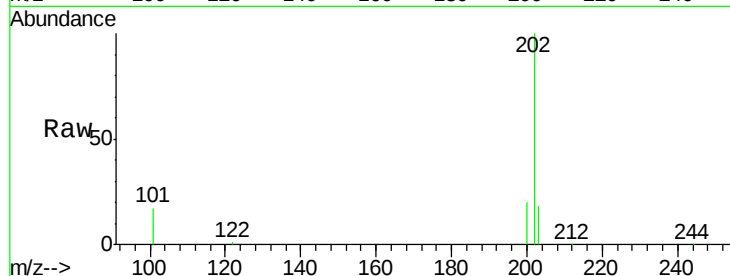




#15
 Fluoranthene
 Concen: 0.68 ng
 RT: 15.18 min Scan# 2572
 Delta R.T. -0.00 min
 Lab File: BE088425.D
 Acq: 31 Oct 2014 16:28

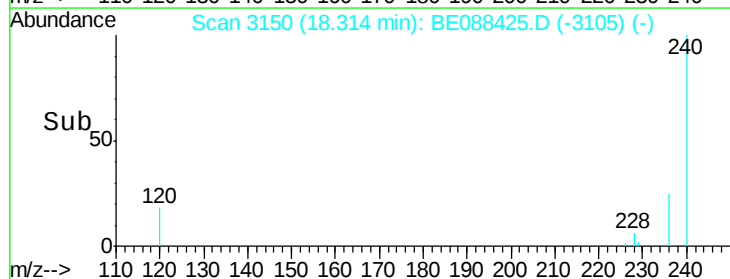
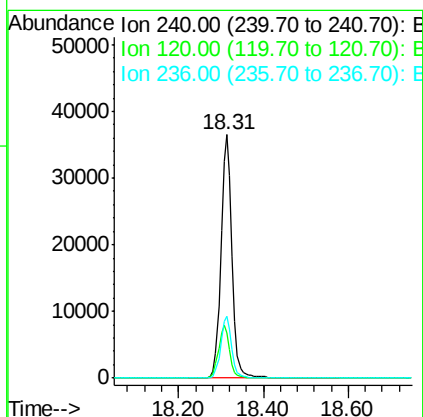
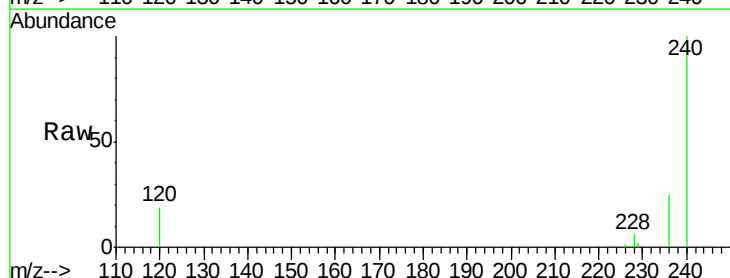
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

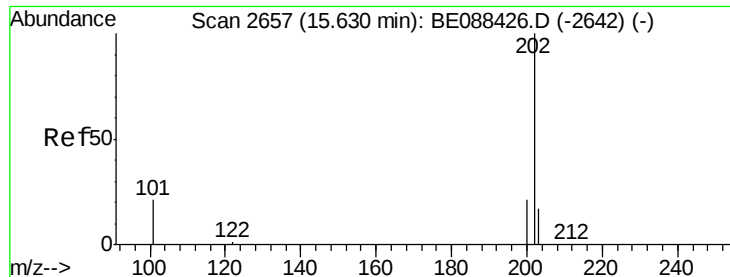
Tgt Ion: 202 Resp: 13654
 Ion Ratio Lower Upper
 202 100
 101 17.7 14.3 21.5
 203 17.2 13.6 20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 18.31 min Scan# 3150
 Delta R.T. 0.00 min
 Lab File: BE088425.D
 Acq: 31 Oct 2014 16:28

Tgt Ion: 240 Resp: 66224
 Ion Ratio Lower Upper
 240 100
 120 18.6 16.4 24.6
 236 25.2 20.5 30.7

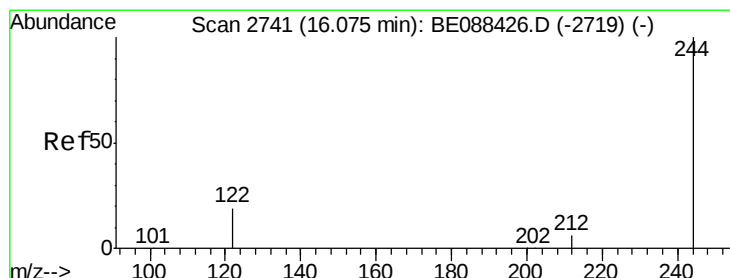
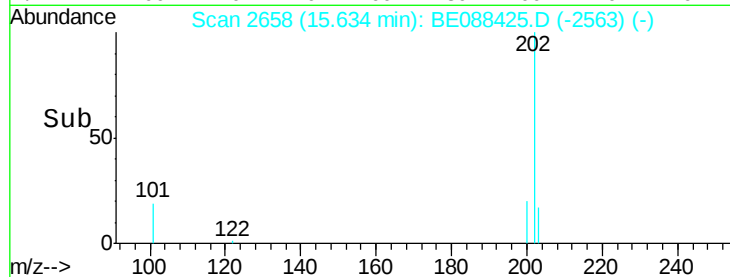
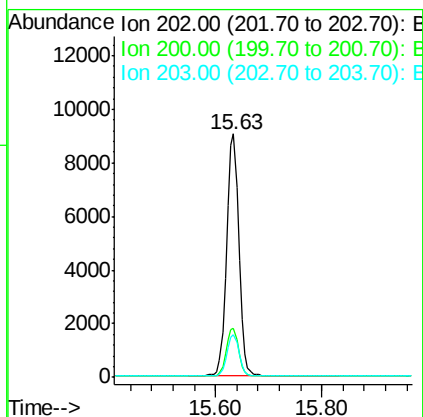
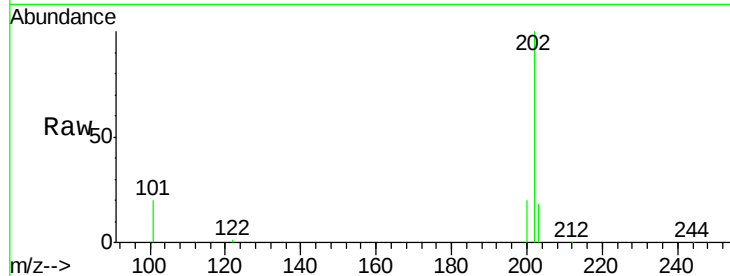




#17
 Pyrene
 Concen: 0.67 ng
 RT: 15.63 min Scan# 2658
 Delta R.T. 0.00 min
 Lab File: BE088425.D
 Acq: 31 Oct 2014 16:28

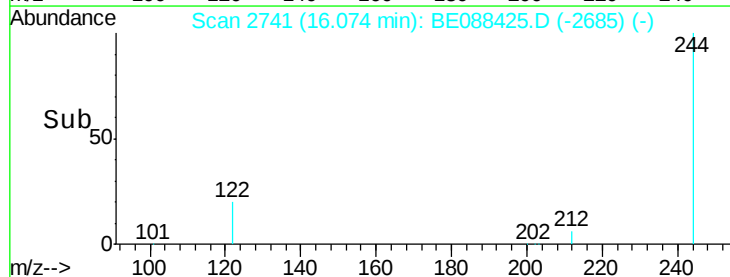
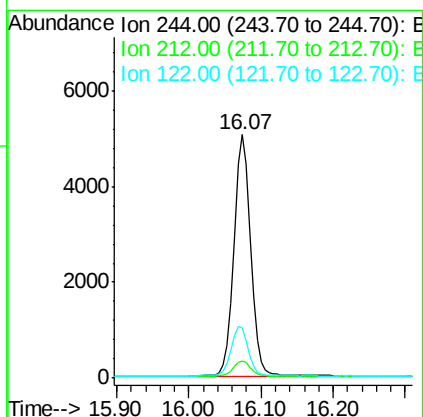
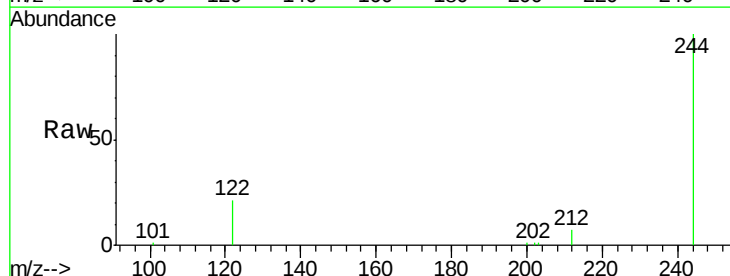
Instrument :
 BNA_E
 ClientSampleId :
 SSTDICC0.8

Tgt Ion: 202 Resp: 14502
 Ion Ratio Lower Upper
 202 100
 200 19.9 16.1 24.1
 203 17.2 13.8 20.8



#18
 Terphenyl-d14
 Concen: 0.67 ng
 RT: 16.07 min Scan# 2741
 Delta R.T. -0.00 min
 Lab File: BE088425.D
 Acq: 31 Oct 2014 16:28

Tgt Ion: 244 Resp: 8112
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 20.5 15.6 23.4





#19

Benzo(a)anthracene

Concen: 0.65 ng

RT: 18.29 min Scan# 3147

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDICC0.8

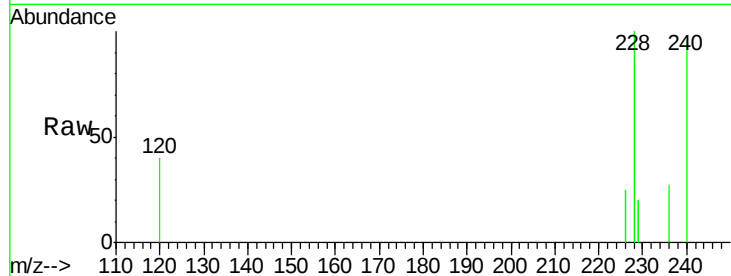
Tgt Ion:228 Resp: 40803

Ion Ratio Lower Upper

228 100

226 25.0 19.8 29.6

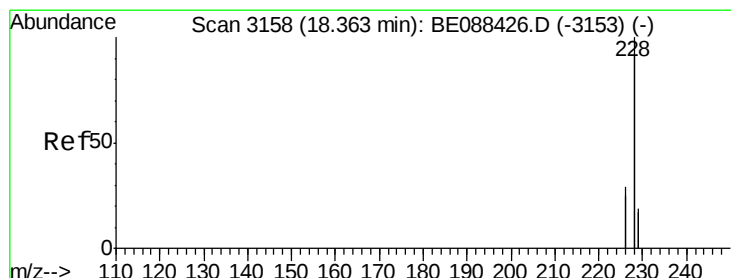
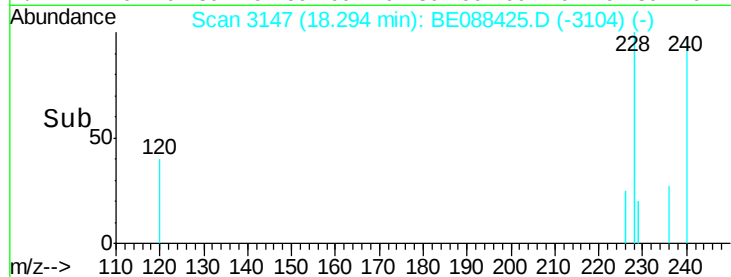
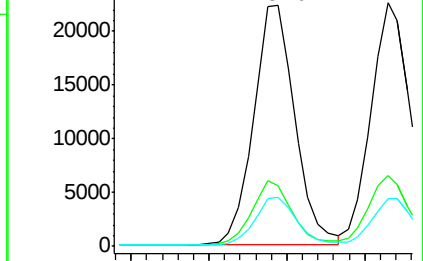
229 20.5 16.0 24.0



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



#20

Chrysene

Concen: 0.66 ng

RT: 18.36 min Scan# 3158

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

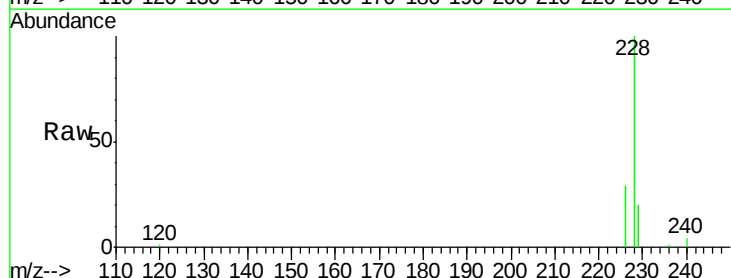
Tgt Ion:228 Resp: 40800

Ion Ratio Lower Upper

228 100

226 29.1 23.6 35.4

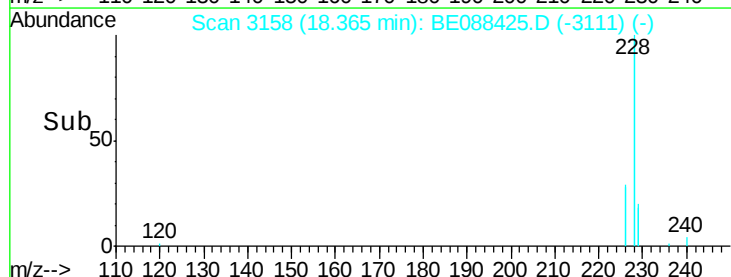
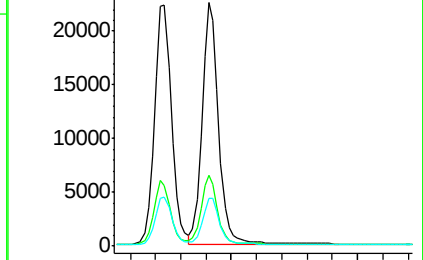
229 19.7 15.4 23.2

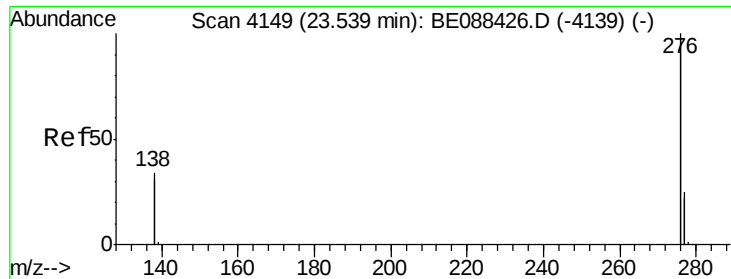


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Indeno(1,2,3-cd)pyrene

Concen: 0.50 ng

RT: 23.54 min Scan# 4149

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

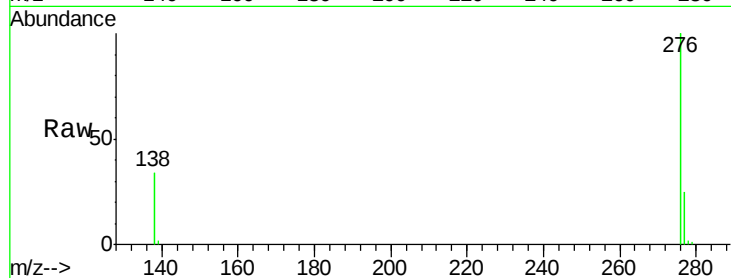
Tgt Ion:276 Resp: 29386

Ion Ratio Lower Upper

276 100

138 32.2 20.2 30.2#

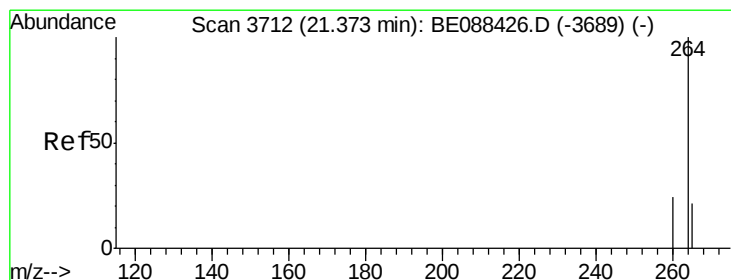
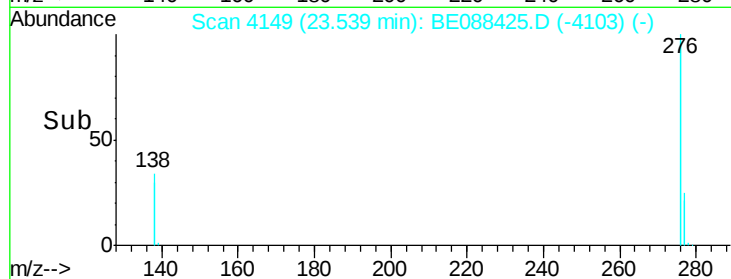
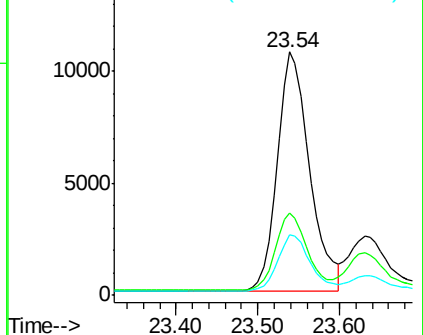
277 23.7 14.8 22.2#



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.37 min Scan# 3712

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

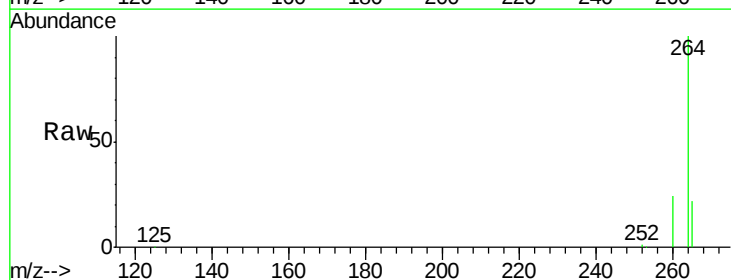
Tgt Ion:264 Resp: 57595

Ion Ratio Lower Upper

264 100

260 23.6 18.9 28.3

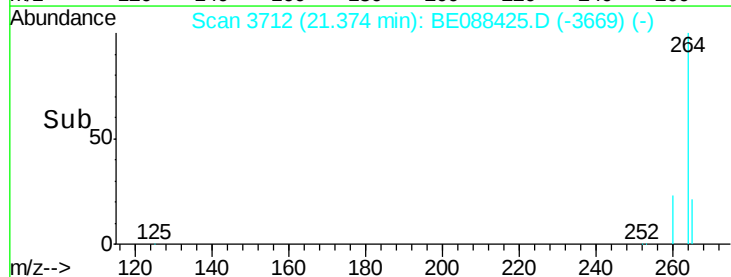
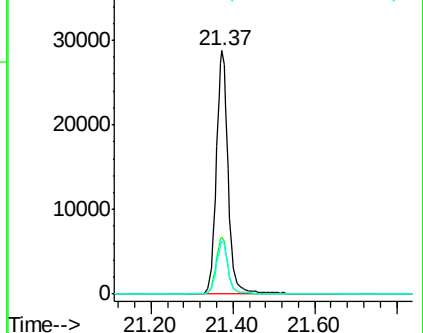
265 21.6 17.2 25.8

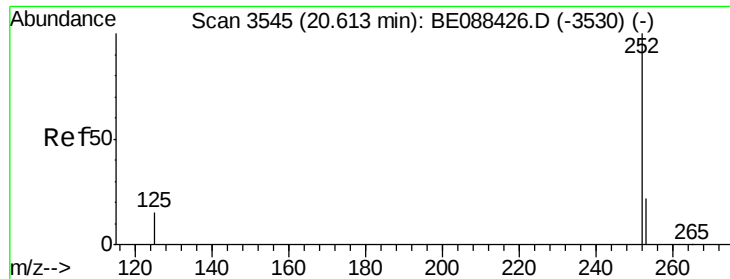


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#23

Benzo(b)fluoranthene

Concen: 0.66 ng

RT: 20.61 min Scan# 3545

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

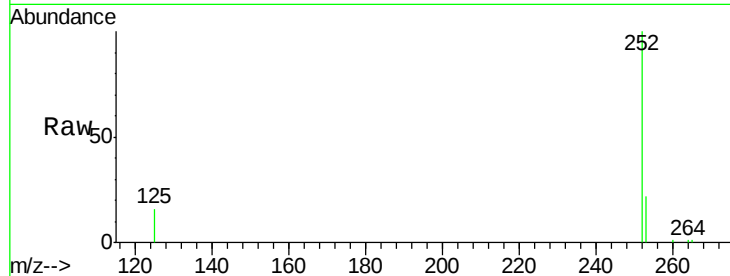
Tgt Ion:252 Resp: 8322

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

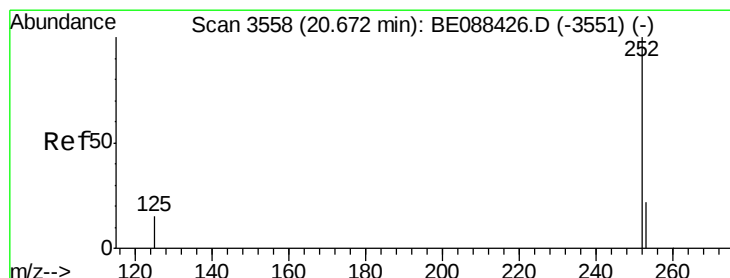
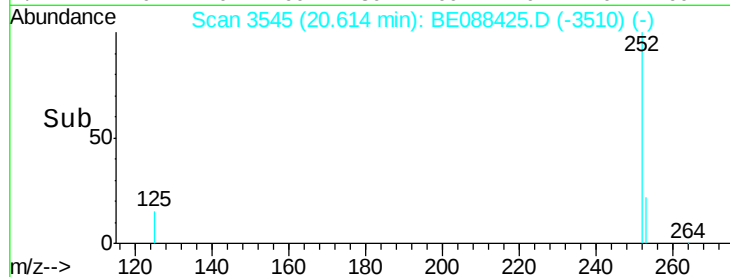
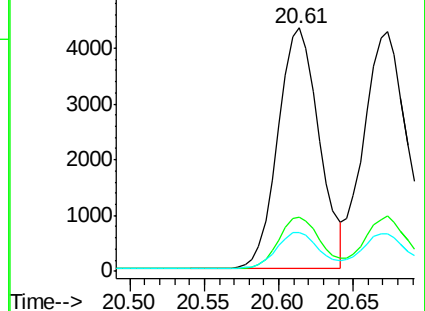
125 15.7 12.3 18.5



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



#24

Benzo(k)fluoranthene

Concen: 0.67 ng

RT: 20.67 min Scan# 3558

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

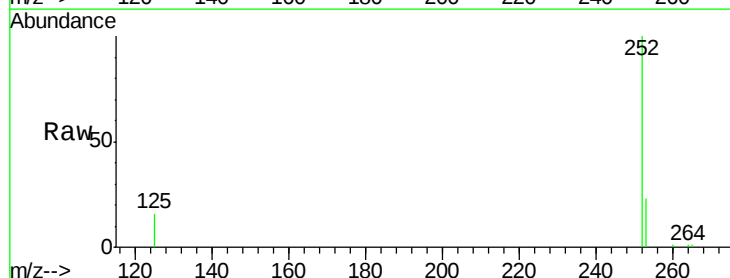
Tgt Ion:252 Resp: 9382

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

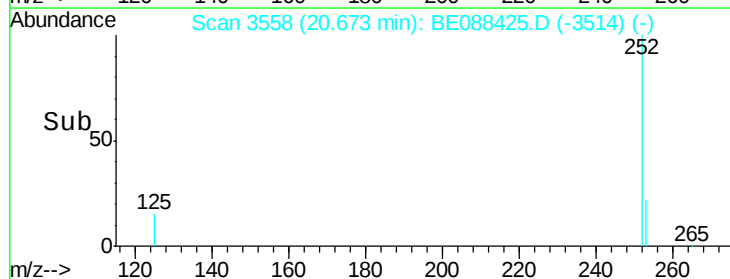
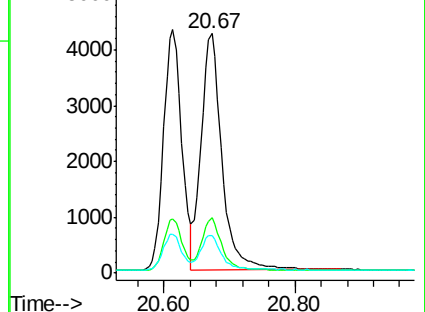
125 15.9 12.2 18.4



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





#25

Benzo(a)pyrene

Concen: 0.67 ng

RT: 21.26 min Scan# 3686

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8

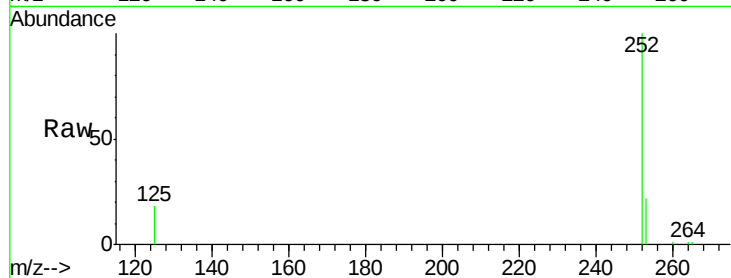
Tgt Ion:252 Resp: 8057

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.4

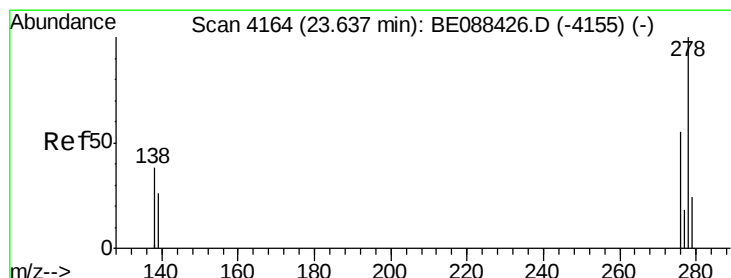
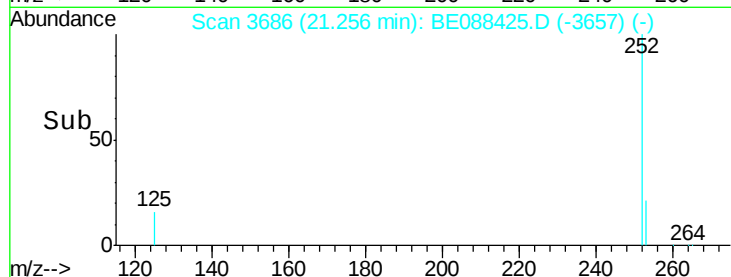
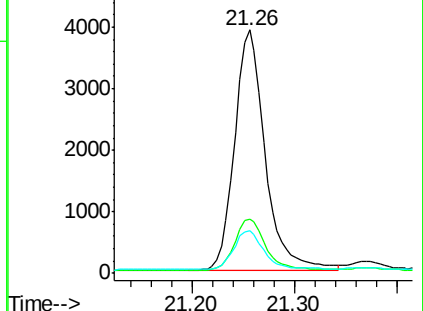
125 17.6 13.7 20.5



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



#26

Dibenzo(a,h)anthracene

Concen: 0.67 ng

RT: 23.64 min Scan# 4164

Delta R.T. 0.00 min

Lab File: BE088425.D

Acq: 31 Oct 2014 16:28

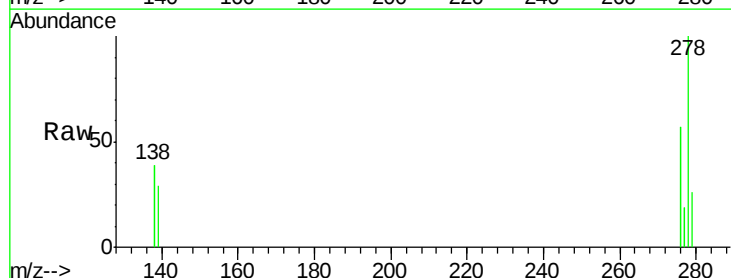
Tgt Ion:278 Resp: 7534

Ion Ratio Lower Upper

278 100

139 28.6 22.1 33.1

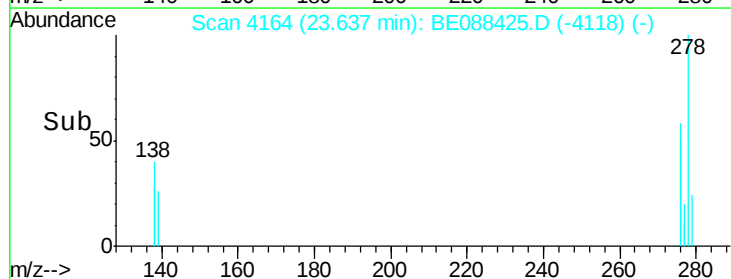
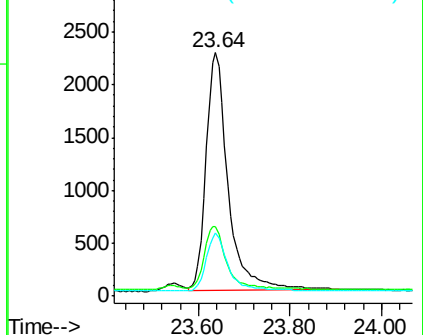
279 25.7 19.7 29.5



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





#27

Benzo(g,h,i)perylene

Concen: 0.67 ng

RT: 24.17 min Scan# 4245

Delta R.T. 0.00 min

Lab File: BE088425.D

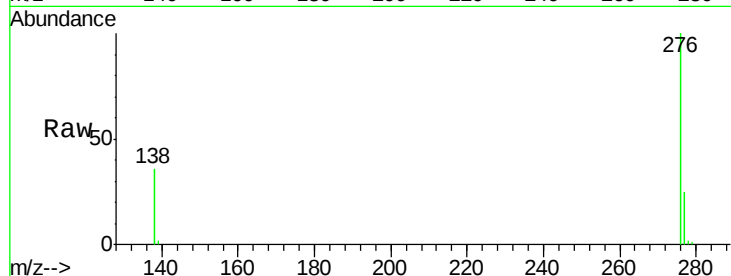
Acq: 31 Oct 2014 16:28

Instrument :

BNA_E

ClientSampleId :

SSTDIC0.8



Tgt Ion: 276 Resp: 34508

Ion Ratio Lower Upper

276 100

277 24.9 19.8 29.6

138 36.1 29.3 43.9

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

