

Data Path : Z:\HPCHEM1\BNA_E\Data\BE102014\
 Data File : BE088133.D
 Acq On : 21 Oct 2014 9:40
 Operator : TP/JJ
 Sample : F4303-18RE
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-EB01-101414-SO

Quant Time: Oct 21 14:59:30 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SIM-PAH-BE102014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 21 02:11:14 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	41912	5.00	ng	0.00
3) Naphthalene-d8	8.70	136	154967	5.00	ng	0.00
7) Acenaphthene-d10	10.85	164	69622	5.00	ng	0.00
12) Phenanthrene-d10	12.96	188	125470	5.00	ng	0.00
16) Chrysene-d12	18.38	240	88349	5.00	ng	0.00
22) Perylene-d12	21.44	264	84188	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.82	82	85443	7.65	ng	0.00
8) 2-Fluorobiphenyl	10.03	172	140150	7.29	ng	0.00
18) Terphenyl-d14	16.15	244	116372	8.19	ng	0.00

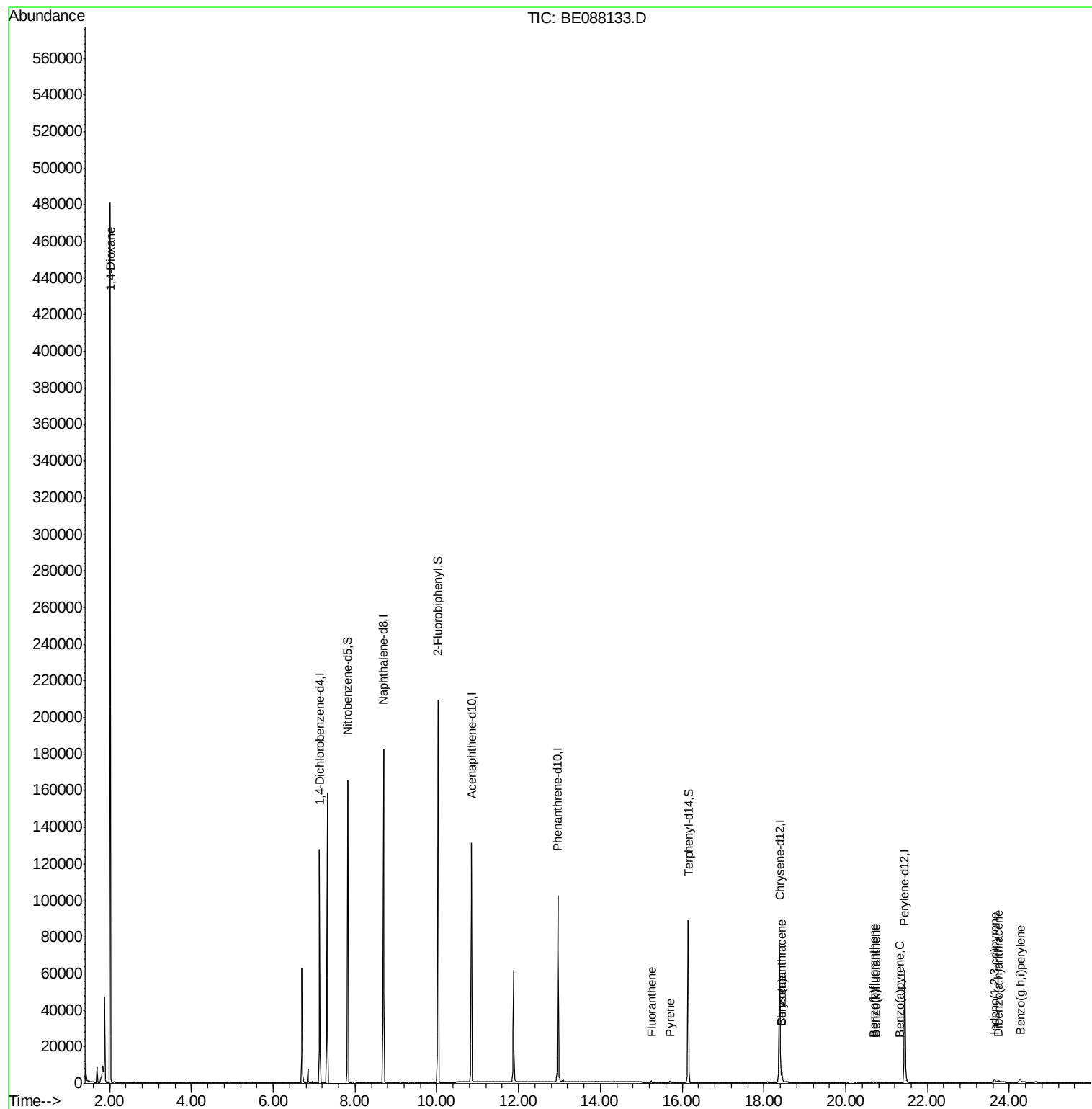
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.02	88	15377	2.55	ng	# 1
13) Phenanthrene	13.01	178	3698	Below Cal		# 10
15) Fluoranthene	15.25	202	1471	0.06	ng	98
17) Pyrene	15.70	202	1622	0.07	ng	99
19) Benzo(a)anthracene	18.43	228	7211	0.09	ng	91
20) Chrysene	18.43	228	7211	0.09	ng	94
21) Indeno(1,2,3-cd)pyrene	23.63	276	3614	0.04	ng	# 80
23) Benzo(b)fluoranthene	20.68	252	1169	0.06	ng	# 86
24) Benzo(k)fluoranthene	20.74	252	1329	0.06	ng	# 84
25) Benzo(a)pyrene	21.32	252	818	0.04	ng	# 78
26) Dibenzo(a,h)anthracene	23.73	278	813	0.04	ng	# 71
27) Benzo(g,h,i)perylene	24.26	276	4194	0.05	ng	# 82

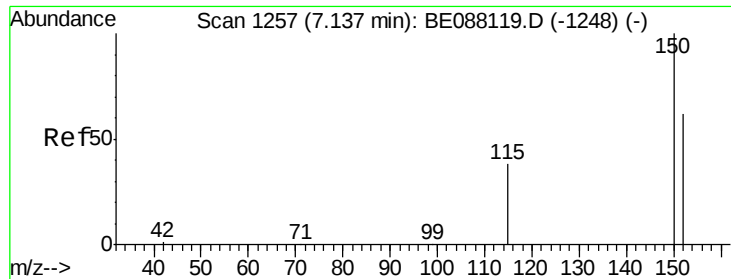
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.14 min Scan# 1258

Delta R.T. 0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO

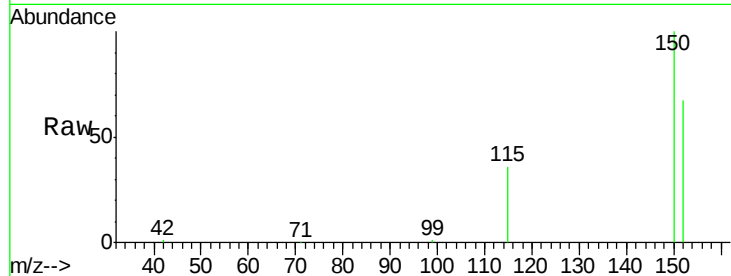
Tgt Ion:152 Resp: 41912

Ion Ratio Lower Upper

152 100

150 148.4 129.2 193.8

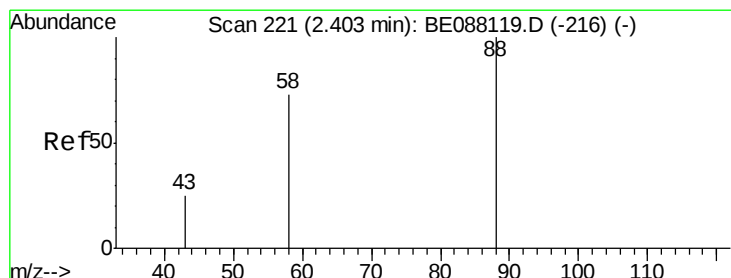
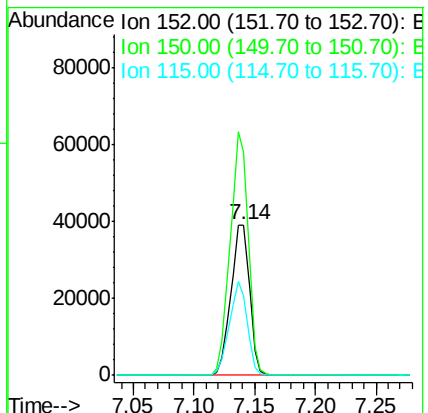
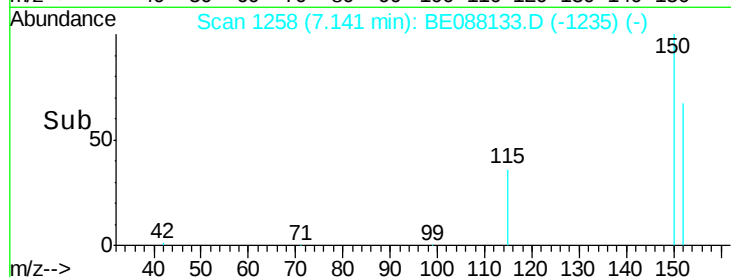
115 52.9 49.3 73.9



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: 2.55 ng

RT: 2.02 min Scan# 137

Delta R.T. -0.38 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

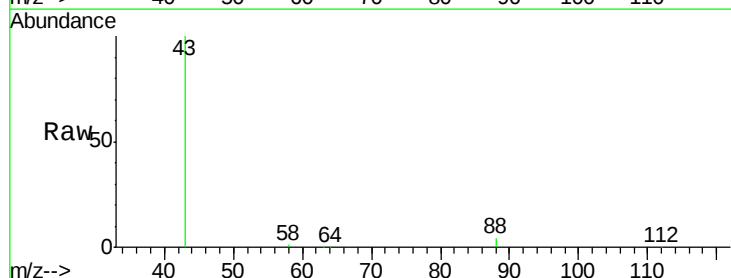
Tgt Ion: 88 Resp: 15377

Ion Ratio Lower Upper

88 100

58 28.5 59.5 89.3#

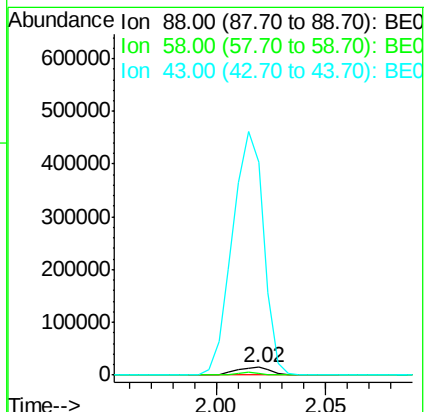
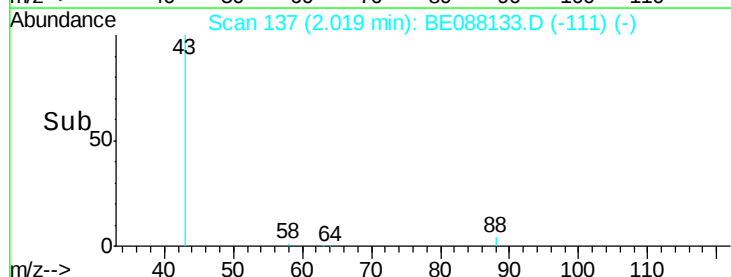
43 2991.3 21.2 31.8#

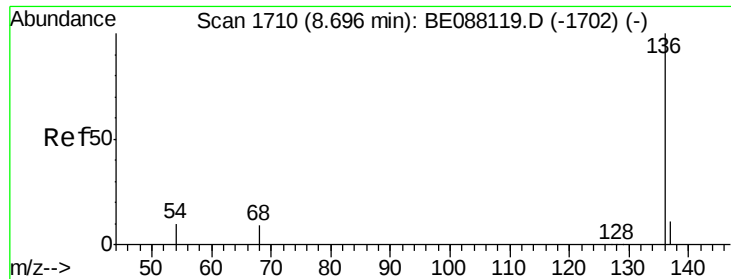


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 8.70 min Scan# 1711

Delta R.T. 0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

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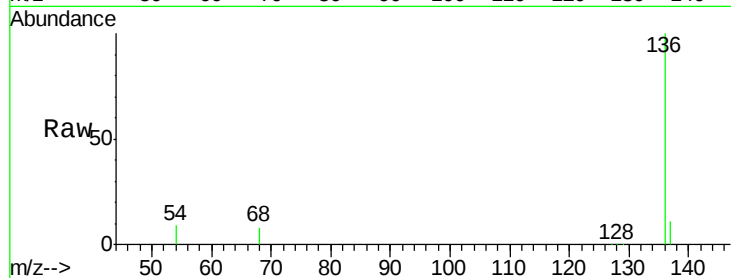
Tgt Ion: 136 Resp: 154967

Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

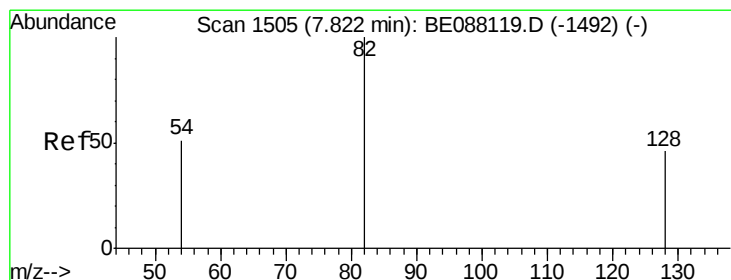
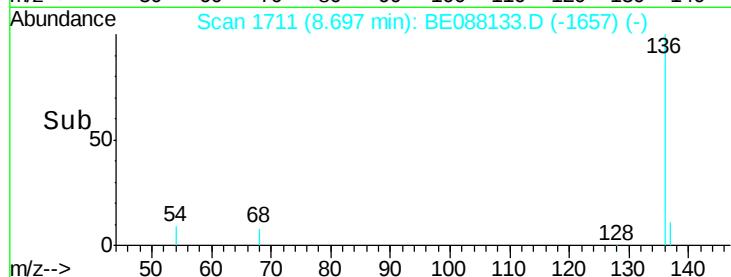
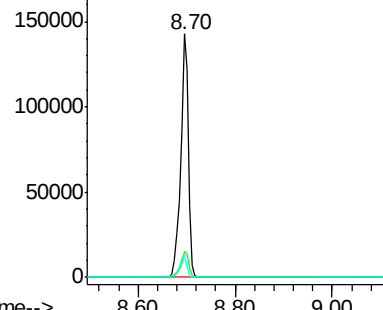
54 8.9 7.7 11.5



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



#4

Nitrobenzene-d5

Concen: 7.65 ng

RT: 7.82 min Scan# 1506

Delta R.T. 0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

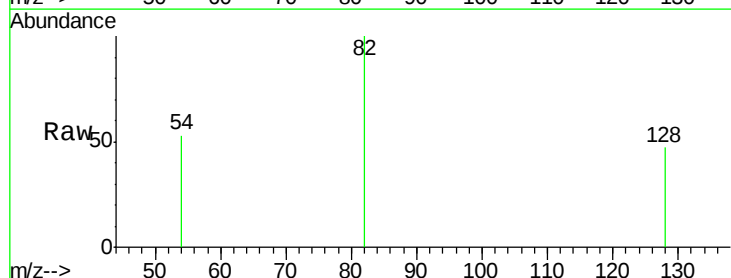
Tgt Ion: 82 Resp: 85443

Ion Ratio Lower Upper

82 100

128 47.0 37.1 55.7

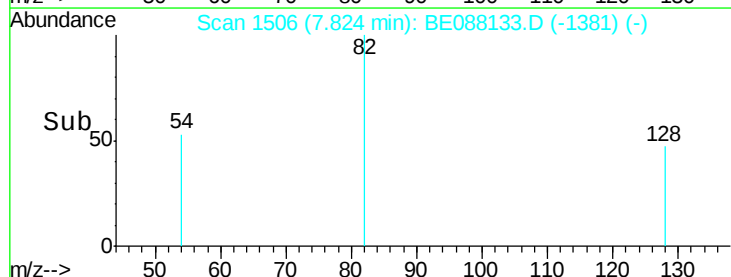
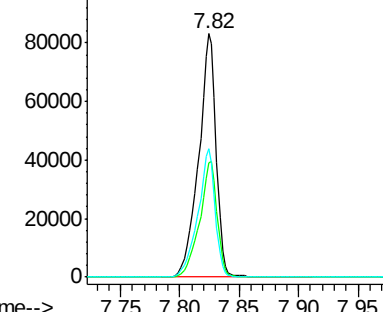
54 52.6 41.1 61.7

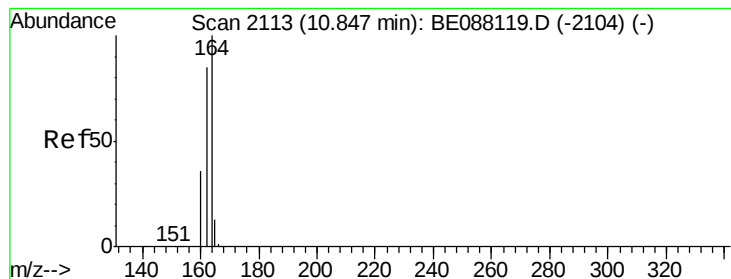


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#7

Acenaphthene-d10

Concen: 5.00 ng

RT: 10.85 min Scan# 2114

Delta R.T. 0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO

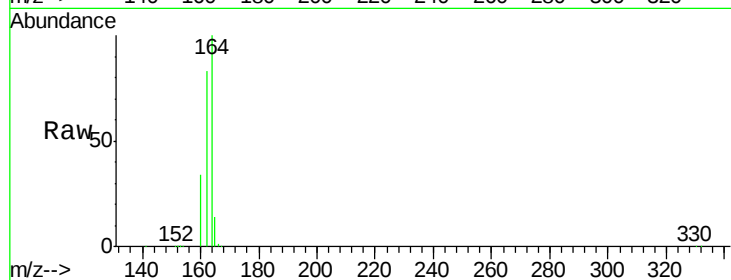
Tgt Ion:164 Resp: 69622

Ion Ratio Lower Upper

164 100

162 82.7 68.3 102.5

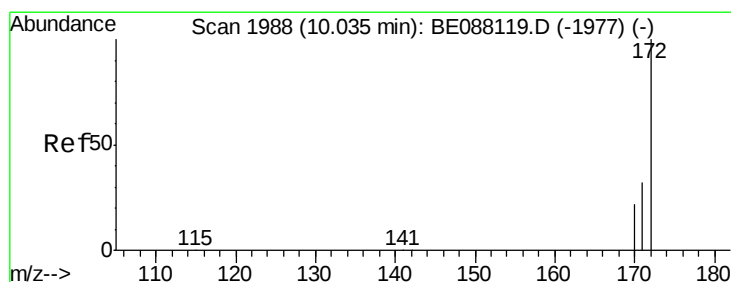
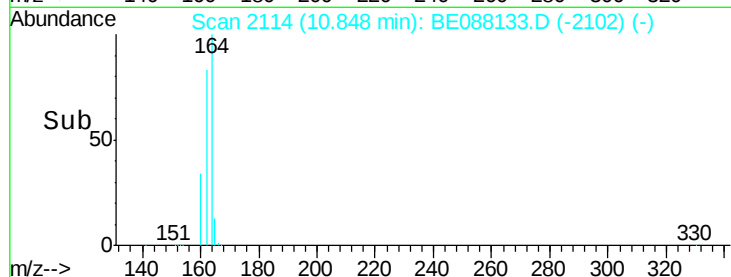
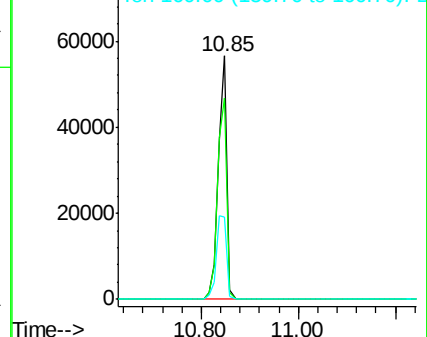
160 33.9 28.7 43.1



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: 7.29 ng

RT: 10.03 min Scan# 1989

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

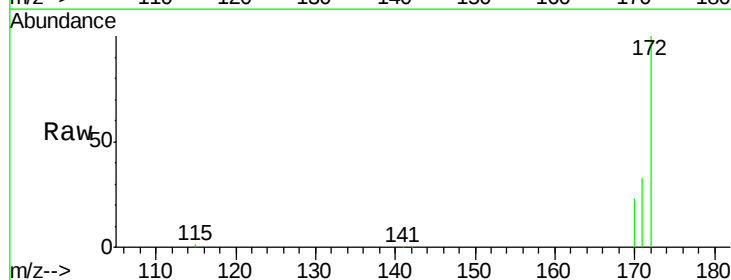
Tgt Ion:172 Resp: 140150

Ion Ratio Lower Upper

172 100

171 32.7 25.4 38.2

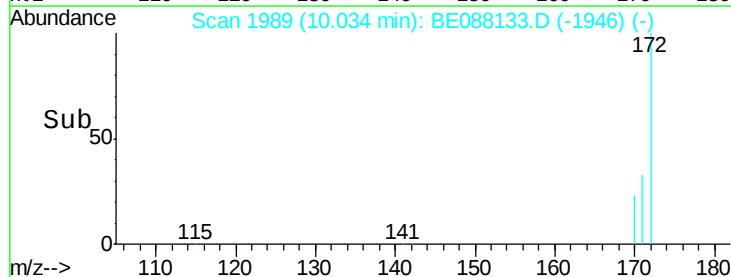
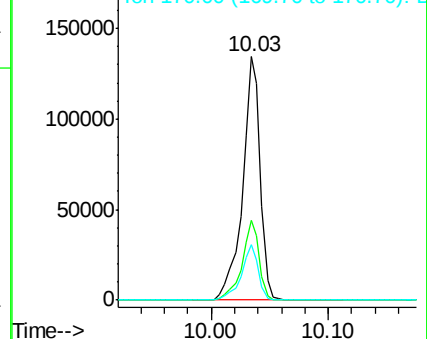
170 22.6 17.4 26.2

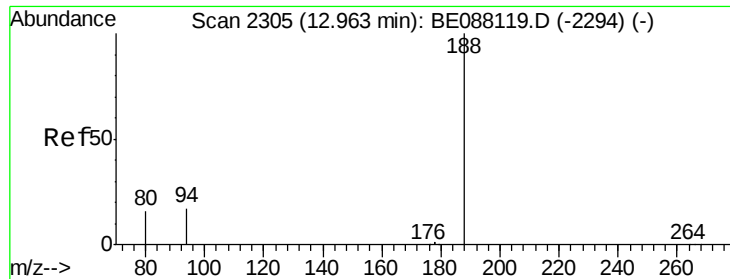


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

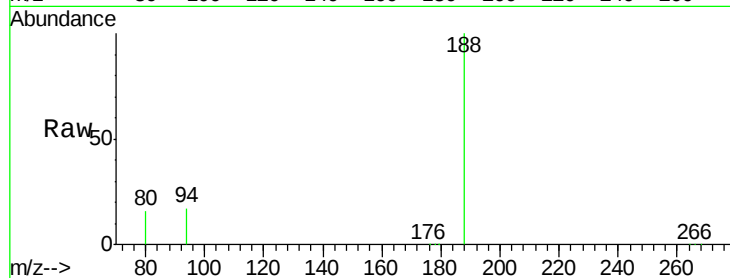




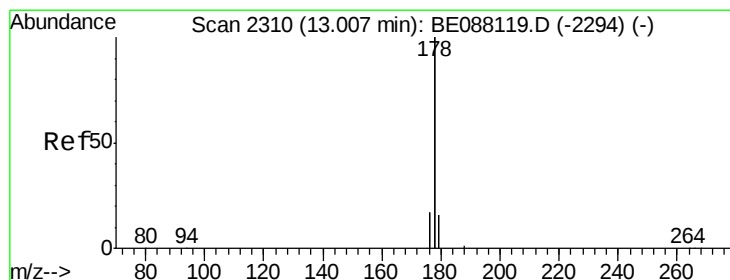
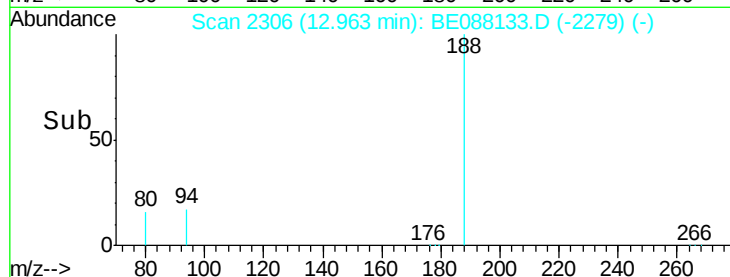
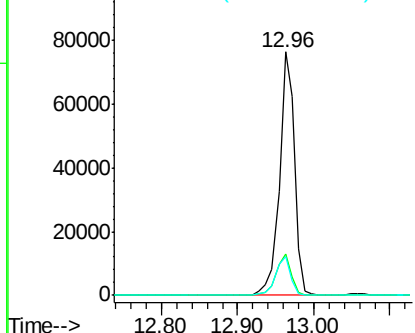
#12
Phenanthrene-d10
Concen: 5.00 ng
RT: 12.96 min Scan# 2306
Delta R.T. -0.00 min
Lab File: BE088133.D
Acq: 21 Oct 2014 9:40

Instrument :
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YS19-EB01-101414-SO

Tgt Ion:188 Resp: 125470
Ion Ratio Lower Upper
188 100
94 17.1 13.9 20.9
80 15.9 12.9 19.3

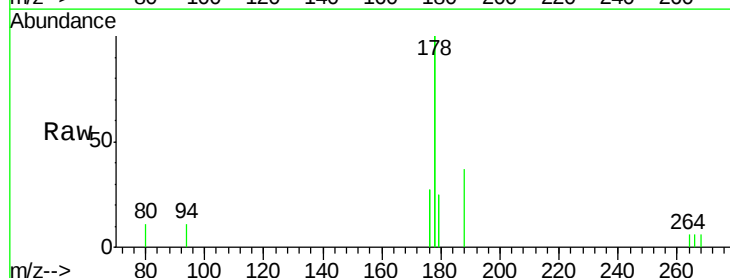


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BE0
Ion 80.00 (79.70 to 80.70): BE0

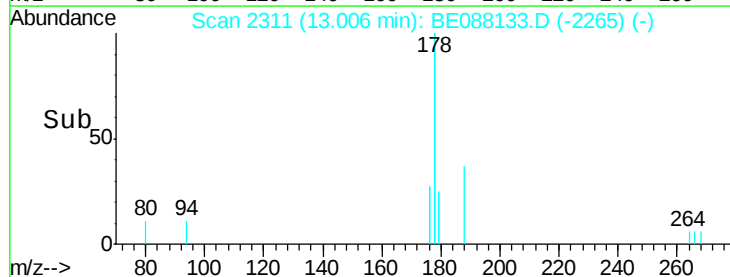
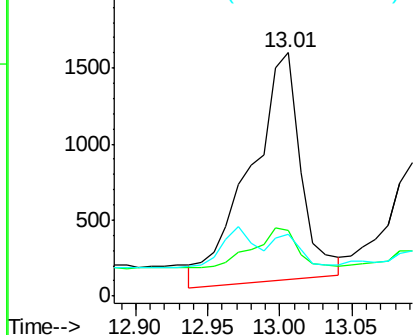


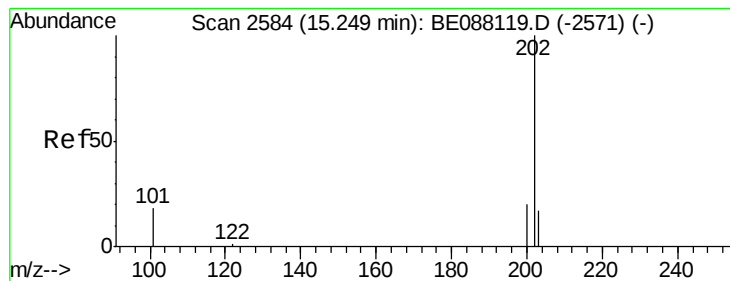
#13
Phenanthrene
Concen: Below Cal
RT: 13.01 min Scan# 2311
Delta R.T. -0.00 min
Lab File: BE088133.D
Acq: 21 Oct 2014 9:40

Tgt Ion:178 Resp: 3698
Ion Ratio Lower Upper
178 100
176 76.4 12.5 18.7#
179 0.0 13.5 20.3#



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: 0.06 ng

RT: 15.25 min Scan# 2585

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO

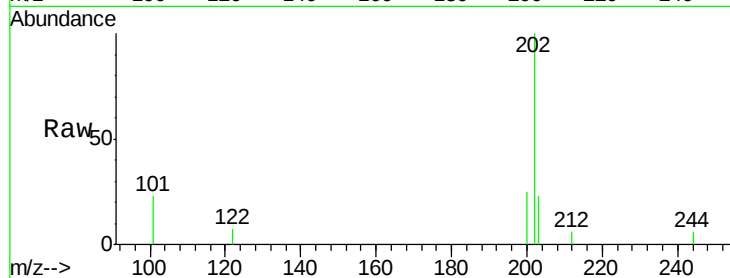
Tgt Ion: 202 Resp: 1471

Ion Ratio Lower Upper

202 100

101 16.9 14.8 22.2

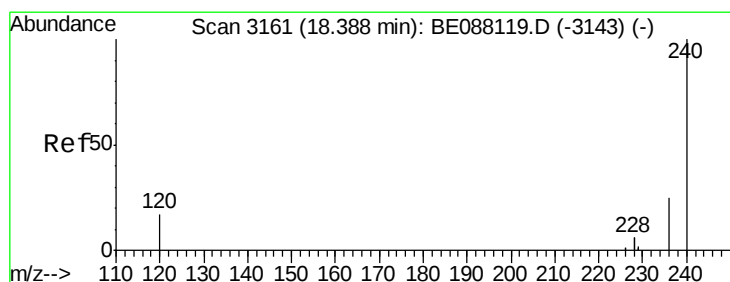
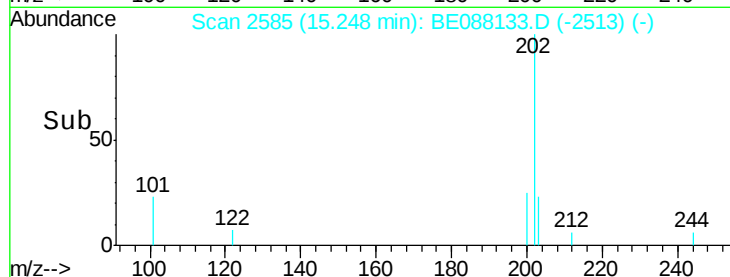
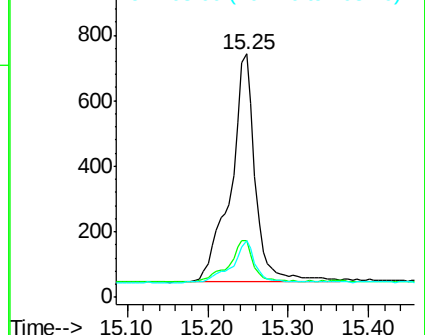
203 16.3 13.5 20.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.38 min Scan# 3161

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

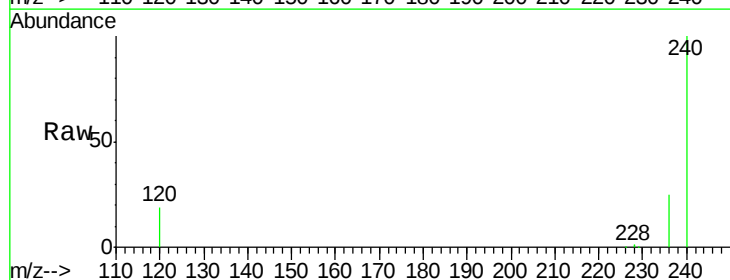
Tgt Ion: 240 Resp: 88349

Ion Ratio Lower Upper

240 100

120 18.8 13.9 20.9

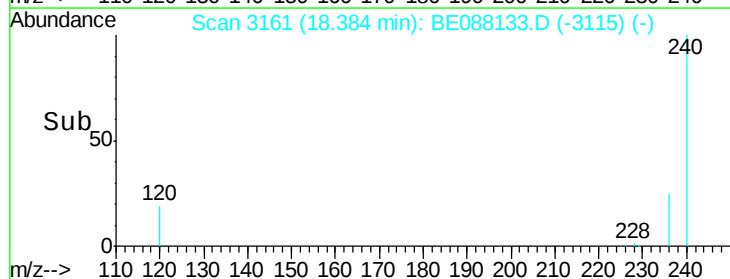
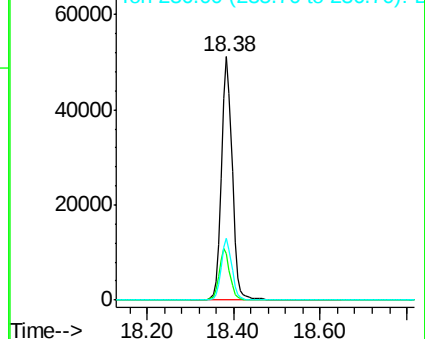
236 25.5 19.9 29.9

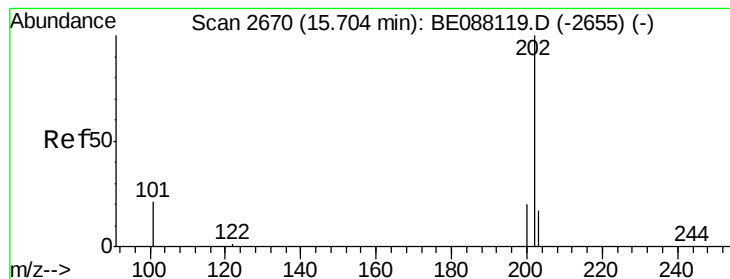


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#17

Pyrene

Concen: 0.07 ng

RT: 15.70 min Scan# 2671

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

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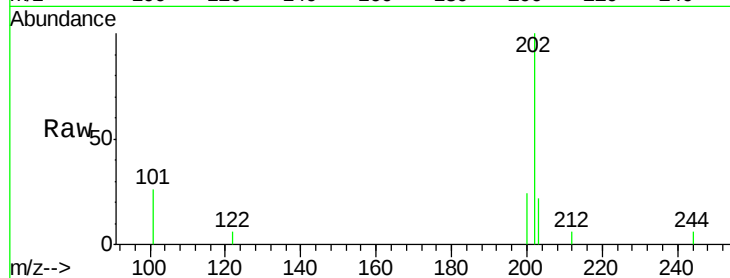
Tgt Ion: 202 Resp: 1622

Ion Ratio Lower Upper

202 100

200 19.4 16.1 24.1

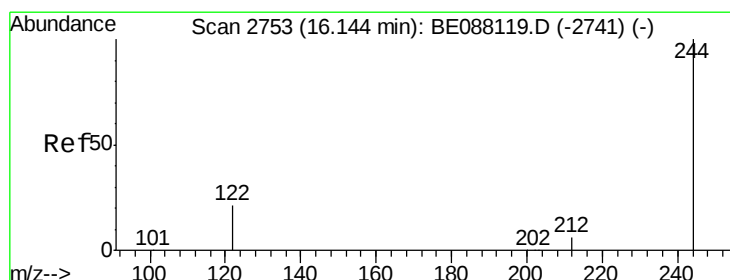
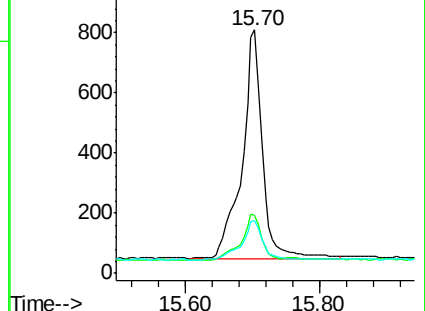
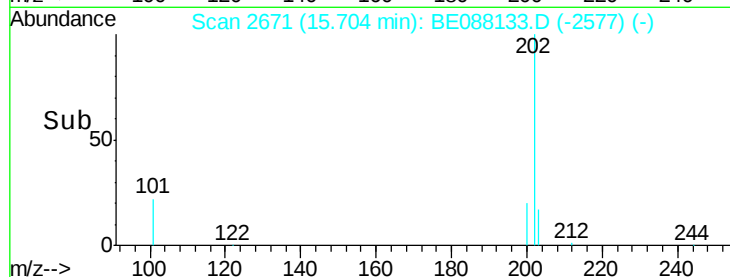
203 17.6 13.9 20.9



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#18

Terphenyl-d14

Concen: 8.19 ng

RT: 16.15 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

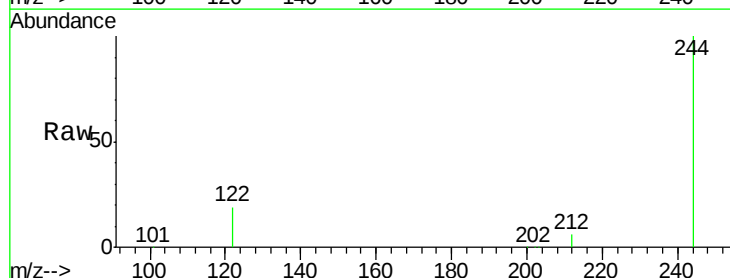
Tgt Ion: 244 Resp: 116372

Ion Ratio Lower Upper

244 100

212 6.3 5.4 8.0

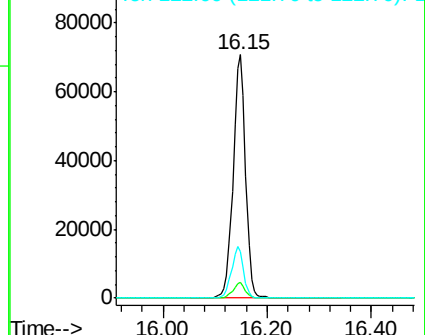
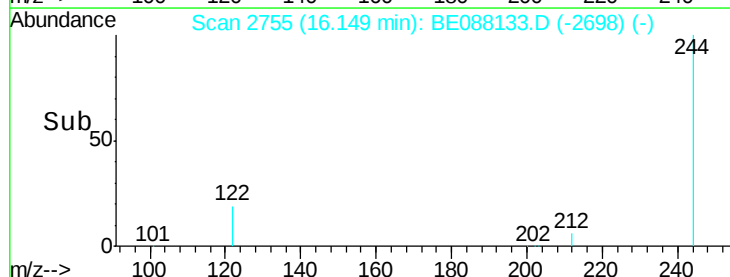
122 18.9 17.5 26.3

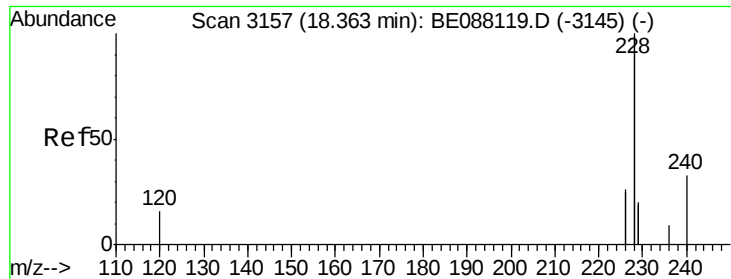


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#19

Benzo(a)anthracene

Concen: 0.09 ng

RT: 18.43 min Scan# 3169

Delta R.T. 0.07 min

Lab File: BE088133.D

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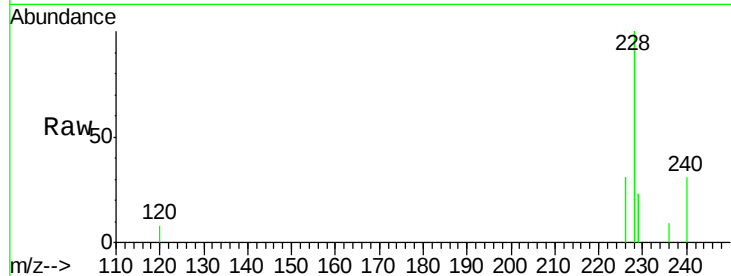
Tgt Ion:228 Resp: 7211

Ion Ratio Lower Upper

228 100

226 31.1 20.8 31.2

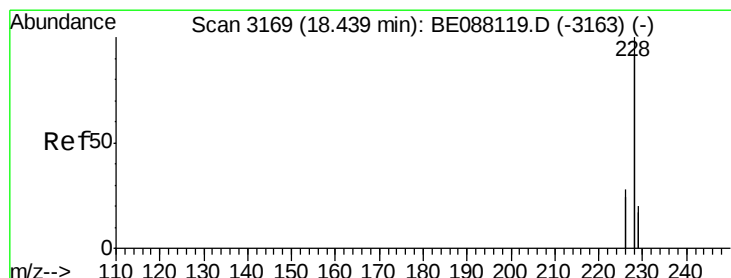
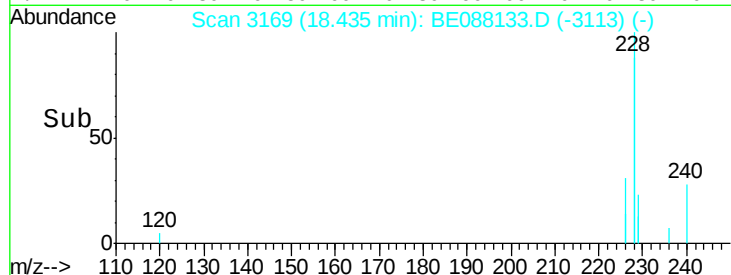
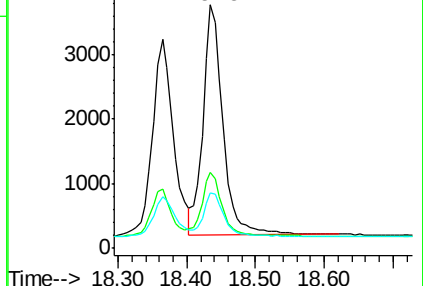
229 22.8 15.6 23.4



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: 0.09 ng

RT: 18.43 min Scan# 3169

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

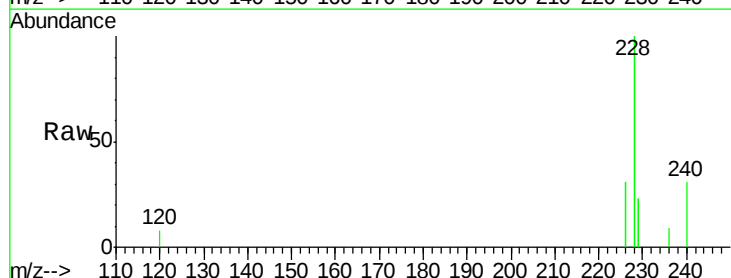
Tgt Ion:228 Resp: 7211

Ion Ratio Lower Upper

228 100

226 31.1 22.7 34.1

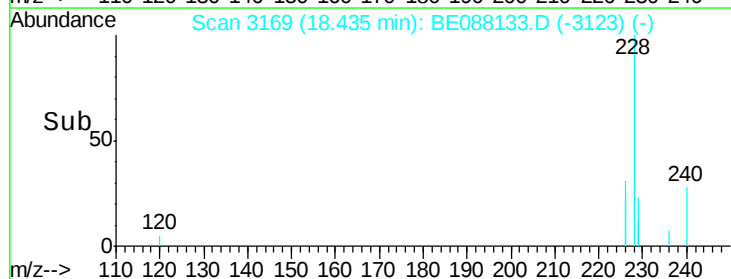
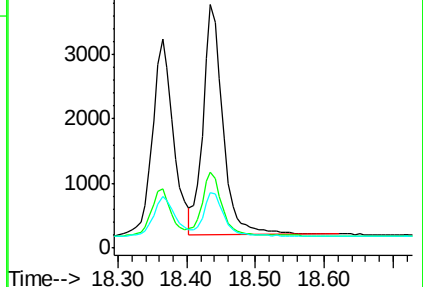
229 22.8 15.8 23.6

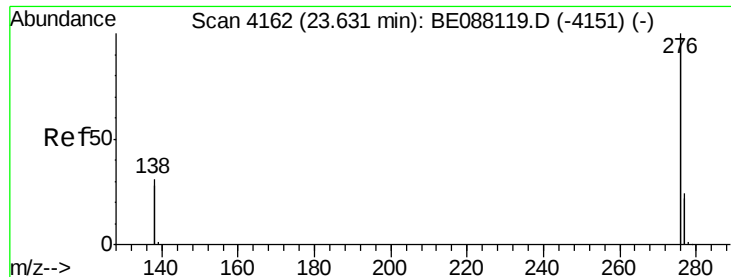


Abundance Ion 228.00 (227.70 to 228.70): E

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: 0.04 ng

RT: 23.63 min Scan# 4163

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO

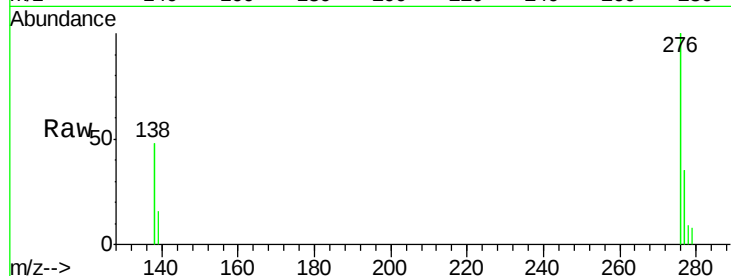
Tgt Ion: 276 Resp: 3614

Ion Ratio Lower Upper

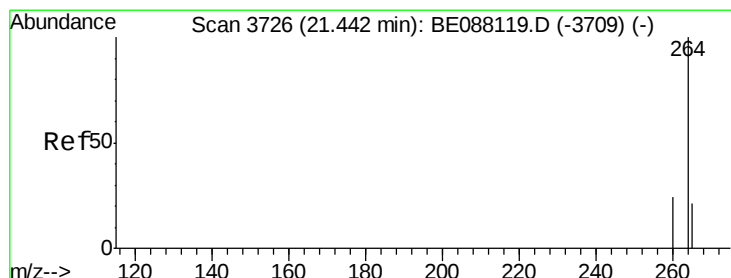
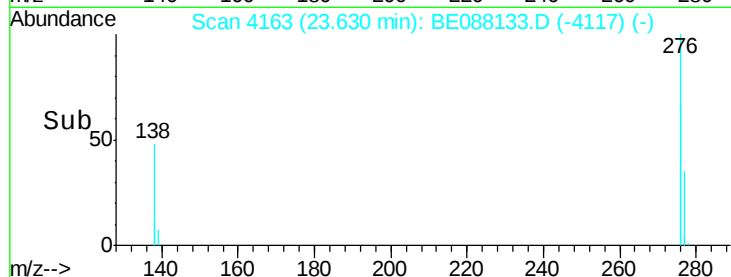
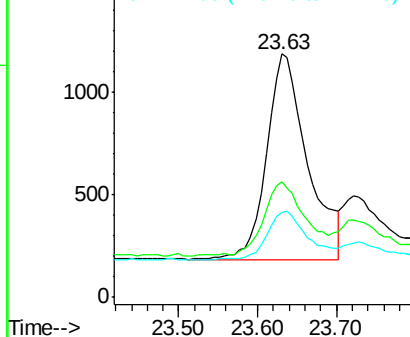
276 100

138 36.6 18.5 27.7#

277 23.1 14.6 21.8#



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.44 min Scan# 3727

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

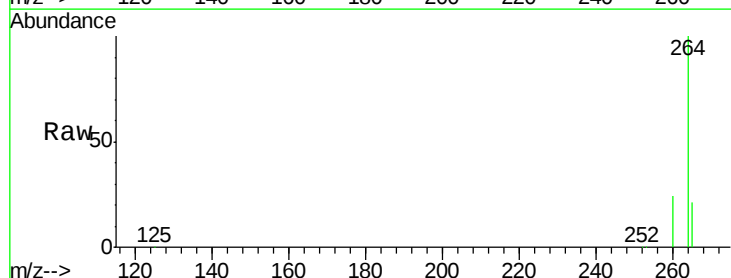
Tgt Ion: 264 Resp: 84188

Ion Ratio Lower Upper

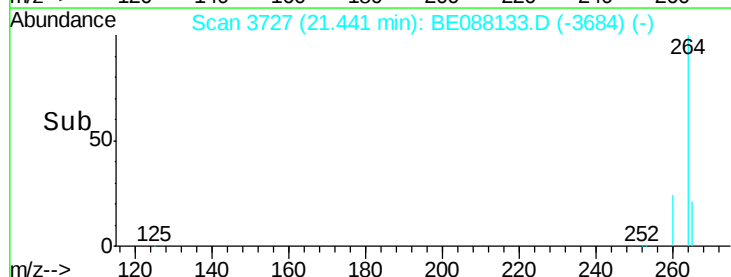
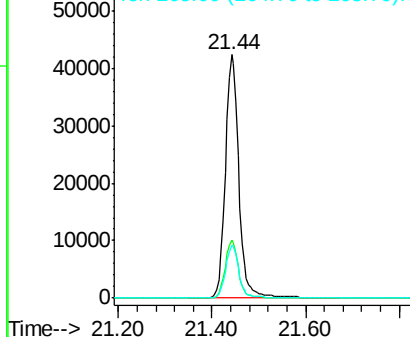
264 100

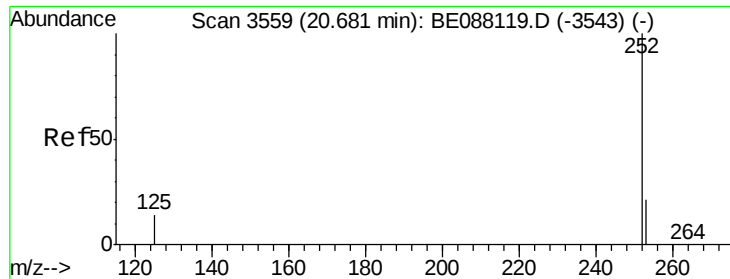
260 23.8 19.0 28.4

265 21.5 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: 0.06 ng

RT: 20.68 min Scan# 3560

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO

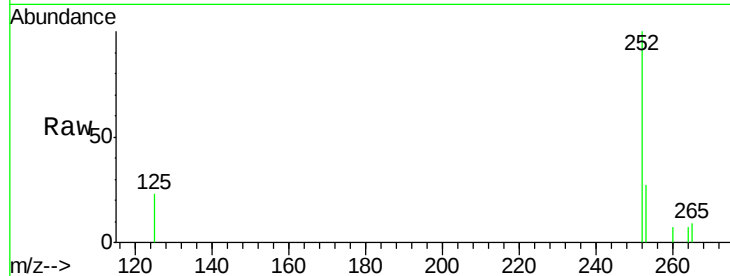
Tgt Ion:252 Resp: 1169

Ion Ratio Lower Upper

252 100

253 27.0 17.4 26.0#

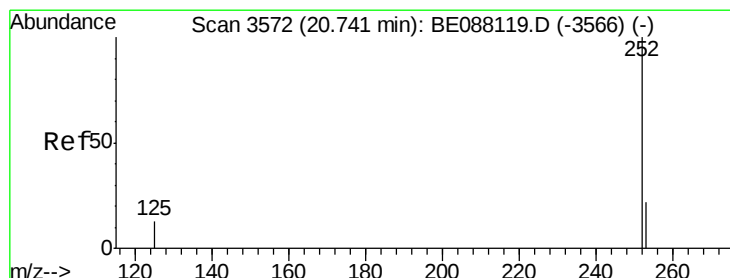
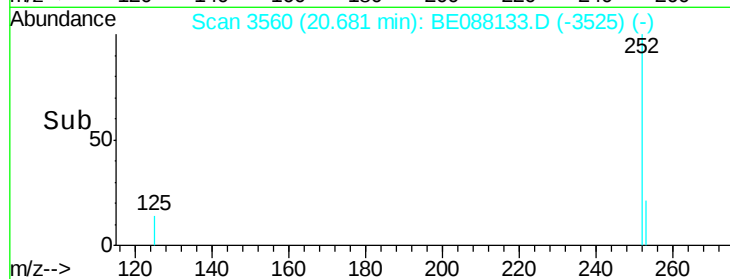
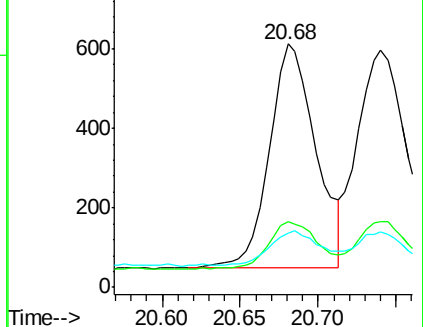
125 22.5 11.8 17.8#



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: 0.06 ng

RT: 20.74 min Scan# 3573

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

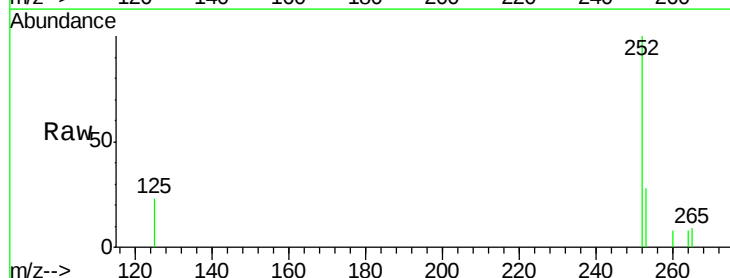
Tgt Ion:252 Resp: 1329

Ion Ratio Lower Upper

252 100

253 28.0 17.6 26.4#

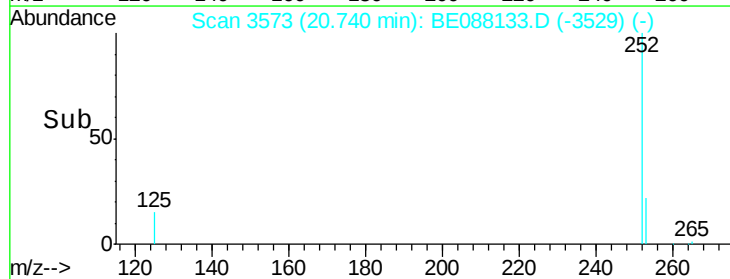
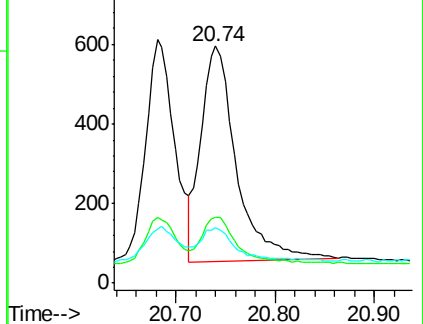
125 23.3 11.5 17.3#

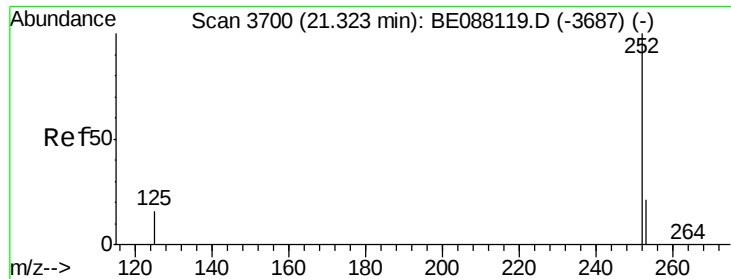


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.04 ng

RT: 21.32 min Scan# 3701

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO

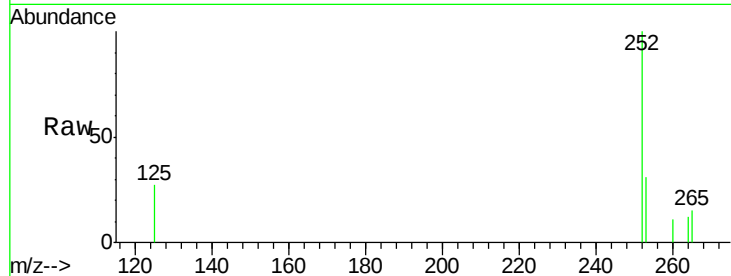
Tgt Ion: 252 Resp: 818

Ion Ratio Lower Upper

252 100

253 31.0 17.5 26.3#

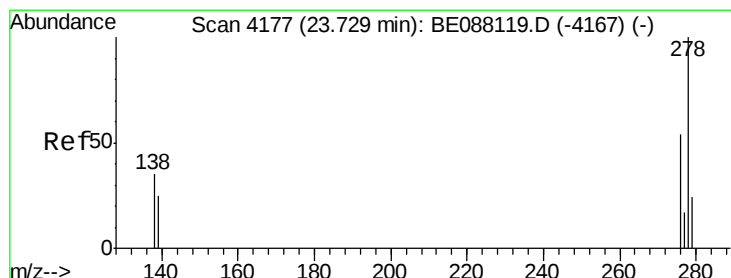
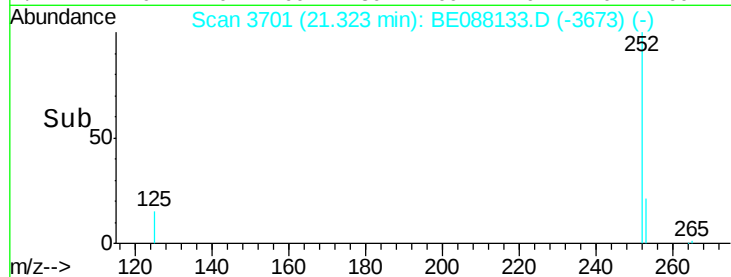
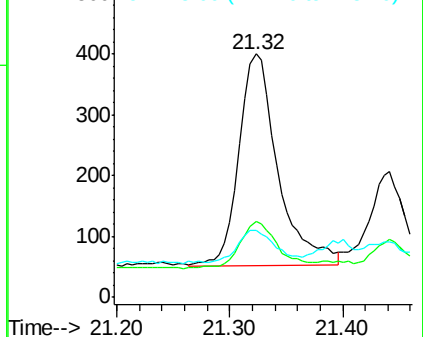
125 27.3 13.0 19.6#



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



#26

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 23.73 min Scan# 4178

Delta R.T. -0.00 min

Lab File: BE088133.D

Acq: 21 Oct 2014 9:40

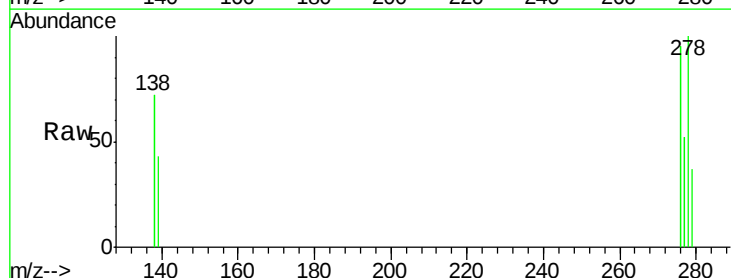
Tgt Ion: 278 Resp: 813

Ion Ratio Lower Upper

278 100

139 43.4 20.9 31.3#

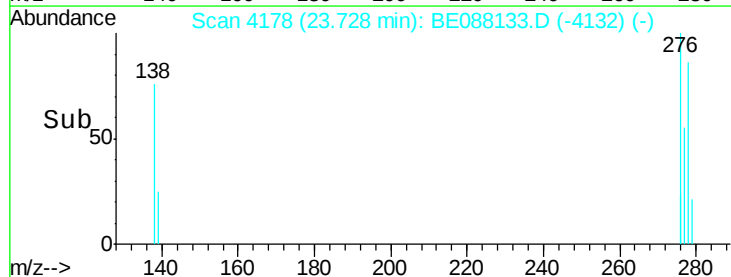
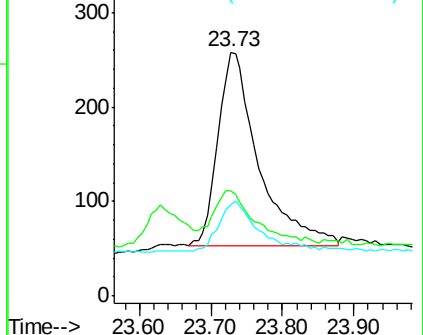
279 37.2 19.8 29.8#

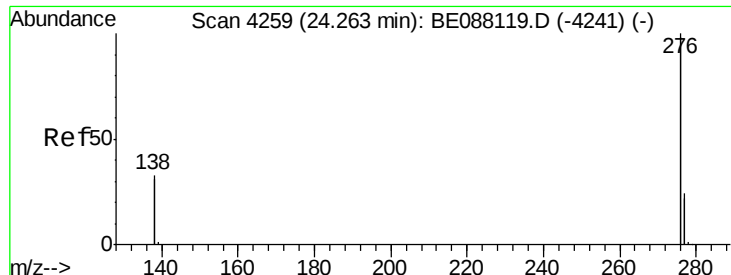


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#27

Benzo(g,h,i)perylene

Concen: 0.05 ng

RT: 24.26 min Scan# 4260

Delta R.T. -0.00 min

Lab File: BE088133.D

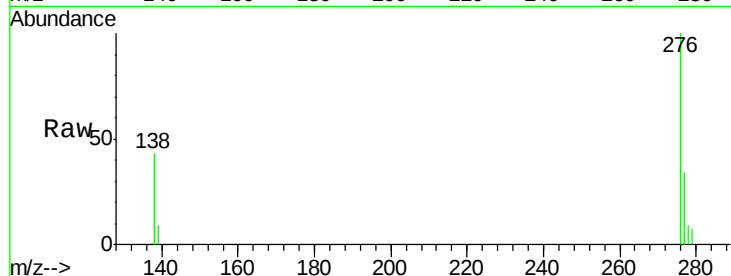
Acq: 21 Oct 2014 9:40

Instrument :

BNA_E

ClientSampleId :

YS19-EB01-101414-SO



Tgt Ion: 276 Resp: 4194

Ion Ratio Lower Upper

276 100

277 34.0 19.2 28.8#

138 42.9 26.6 40.0#

