

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088455.D
 Acq On : 1 Nov 2014 17:35
 Operator : TP/JJ
 Sample : F4379-09
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 YS19-SS35-1014

Quant Time: Nov 02 04:17:54 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 00:42:07 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	31084	5.00	ng	0.00
3) Naphthalene-d8	8.64	136	111883	5.00	ng	0.00
7) Acenaphthene-d10	10.79	164	51880	5.00	ng	0.00
12) Phenanthrene-d10	12.89	188	99397	5.00	ng	0.00
16) Chrysene-d12	18.30	240	61947	5.00	ng	-0.01
22) Perylene-d12	21.36	264	60030	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) Nitrobenzene-d5	7.78	82	408520	49.79	ng	0.00
8) 2-Fluorobiphenyl	9.98	172	513578	35.12	ng	0.00
18) Terphenyl-d14	16.08	244	400916	35.23	ng	0.00

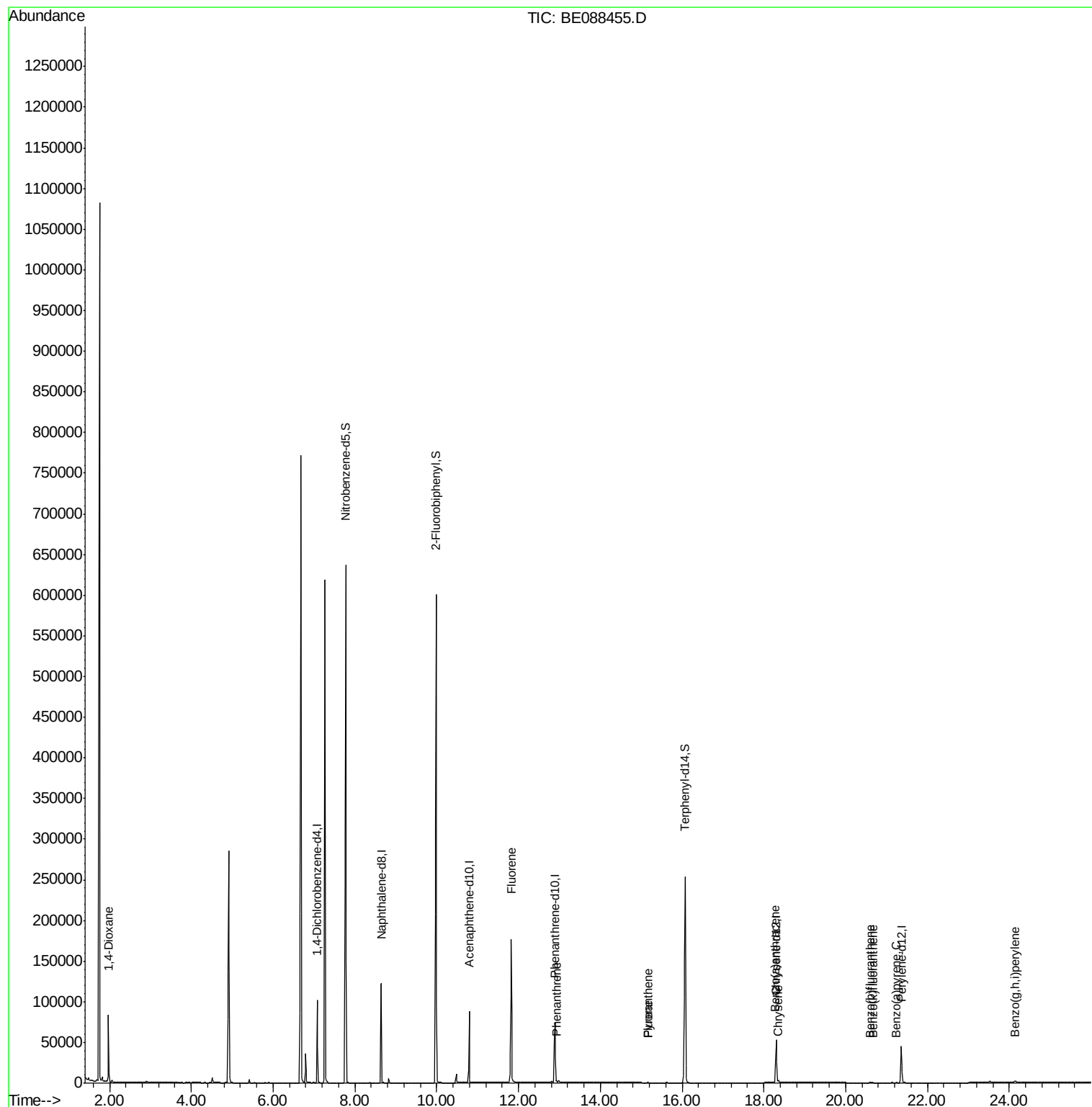
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	1.98	88	2698	0.66	ng	# 1
11) Fluorene	11.82	166	6671	0.50	ng	# 80
13) Phenanthrene	12.93	178	4222	0.05	ng	# 60
15) Fluoranthene	15.16	202	925	0.06	ng	98
17) Pyrene	15.16	202	918	0.05	ng	98
19) Benzo(a)anthracene	18.28	228	2600	0.04	ng	# 81
20) Chrysene	18.35	228	3399	0.06	ng	# 85
23) Benzo(b)fluoranthene	20.60	252	1197	0.09	ng	# 71
24) Benzo(k)fluoranthene	20.65	252	439	0.03	ng	# 50
25) Benzo(a)pyrene	21.24	252	639	0.05	ng	# 65
27) Benzo(g,h,i)perylene	24.15	276	3216	0.06	ng	# 70

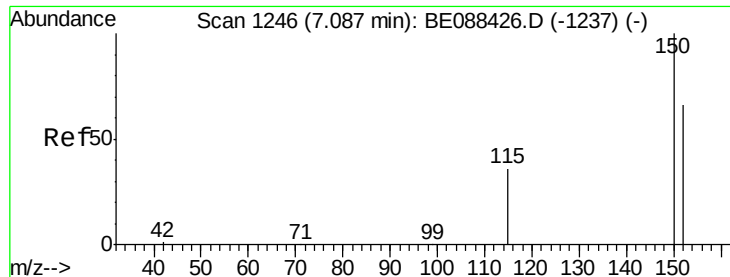
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.08 min Scan# 1244

Delta R.T. -0.01 min

Lab File: BE088455.D

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Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

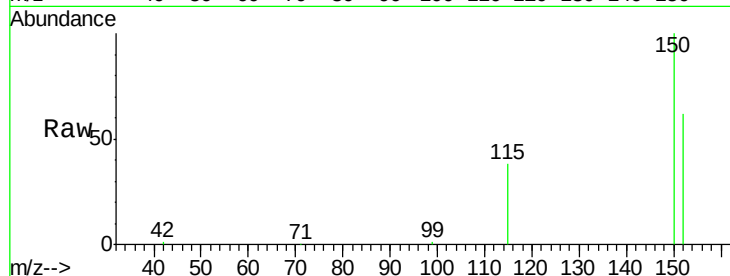
Tgt Ion:152 Resp: 31084

Ion Ratio Lower Upper

152 100

150 161.5 121.8 182.8

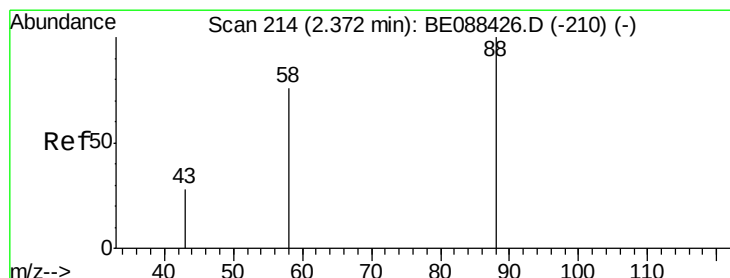
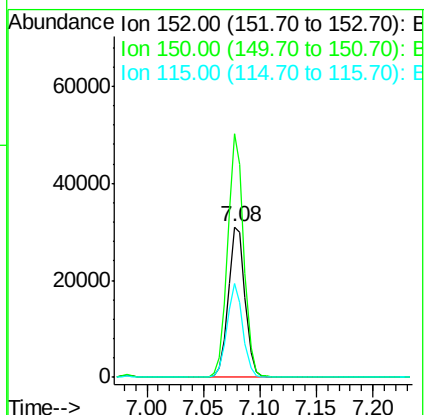
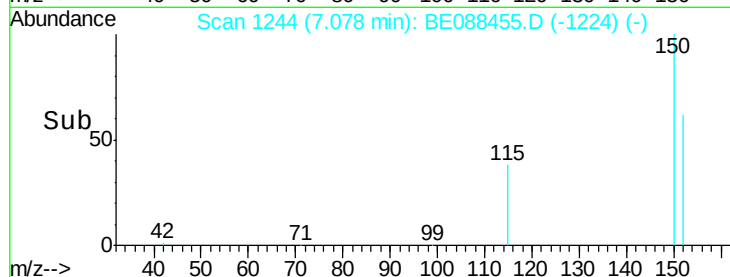
115 62.1 43.9 65.9



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: 0.66 ng

RT: 1.98 min Scan# 128

Delta R.T. -0.39 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

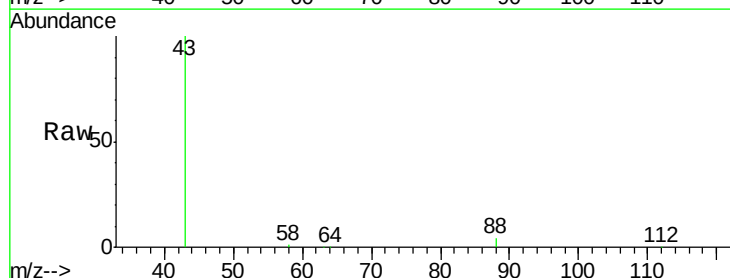
Tgt Ion: 88 Resp: 2698

Ion Ratio Lower Upper

88 100

58 25.9 59.1 88.7#

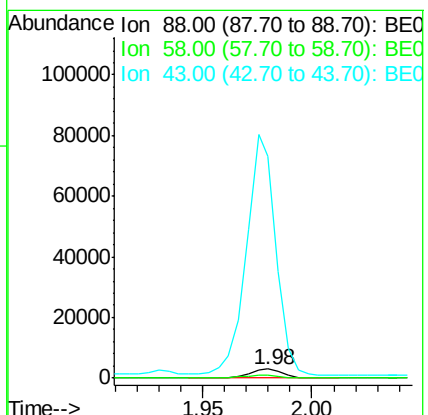
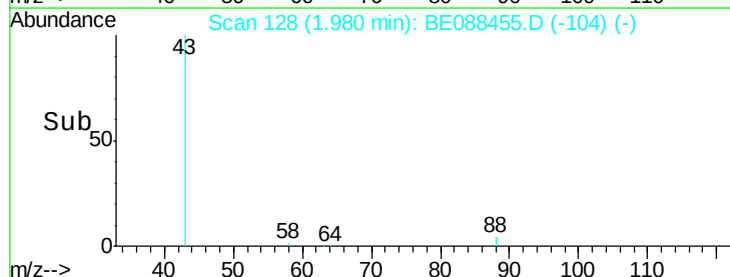
43 2798.7 21.9 32.9#

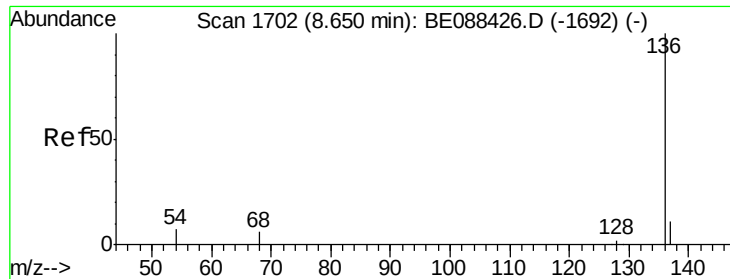


Abundance Ion 88.00 (87.70 to 88.70): BE0

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: 8.64 min Scan# 1700

Delta R.T. -0.01 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

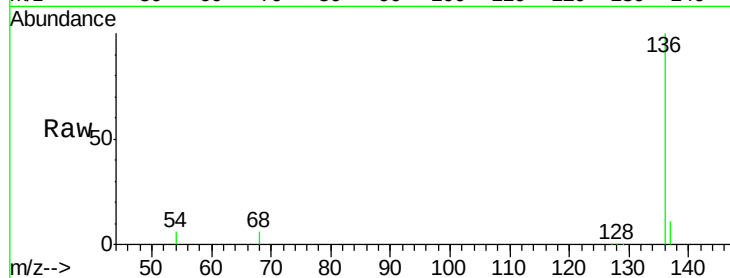
Tgt Ion:136 Resp: 111883

Ion Ratio Lower Upper

136 100

137 11.2 8.8 13.2

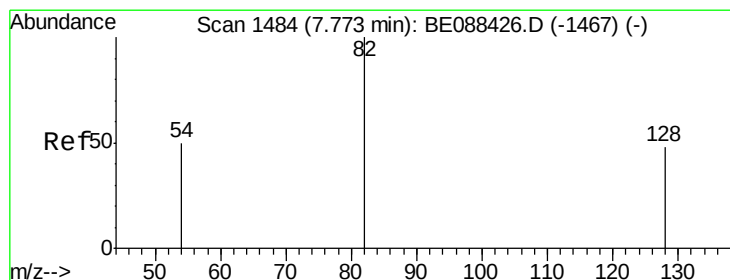
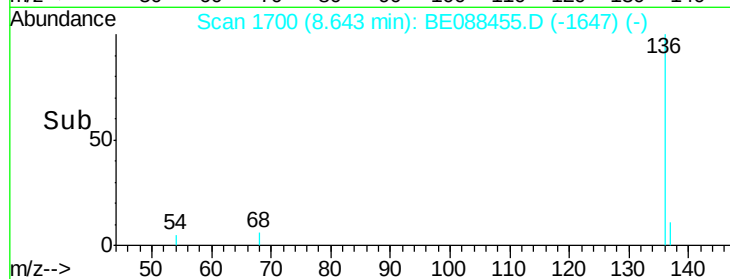
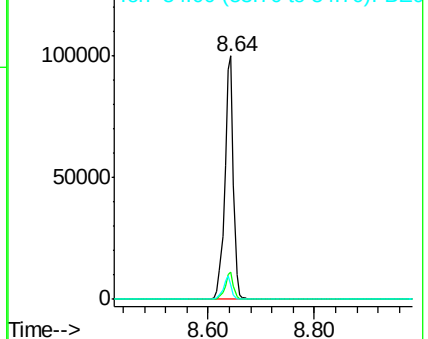
54 5.7 5.3 7.9



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: 49.79 ng

RT: 7.78 min Scan# 1485

Delta R.T. 0.00 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

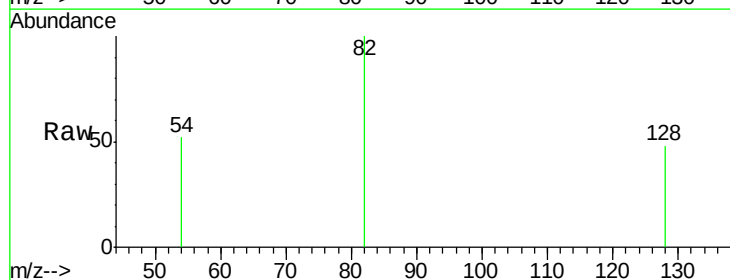
Tgt Ion: 82 Resp: 408520

Ion Ratio Lower Upper

82 100

128 47.6 38.4 57.6

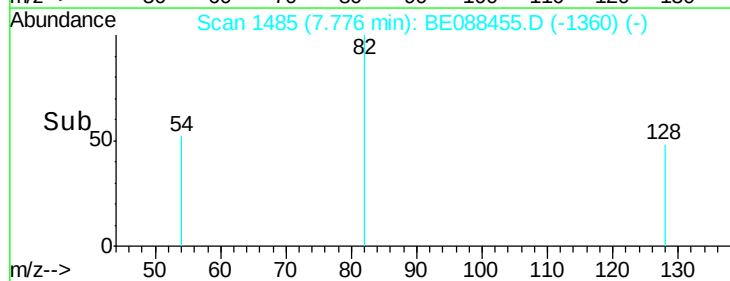
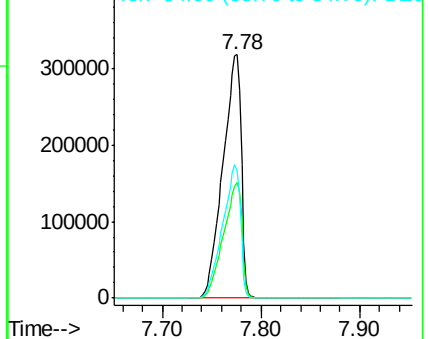
54 52.4 40.2 60.2

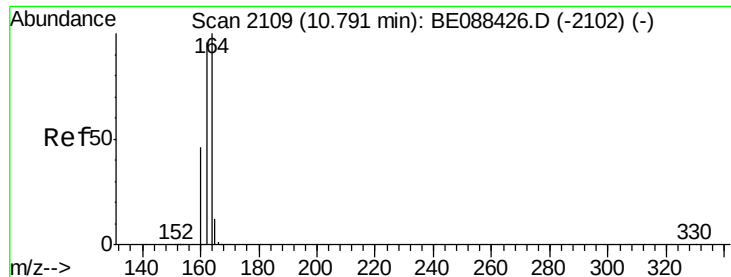


Abundance Ion 82.00 (81.70 to 82.70): BE0

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: 10.79 min Scan# 2108

Delta R.T. 0.00 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

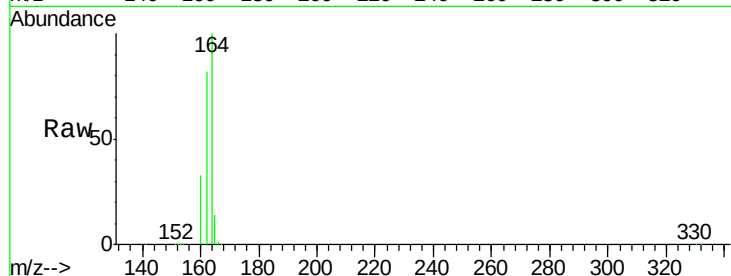
Tgt Ion:164 Resp: 51880

Ion Ratio Lower Upper

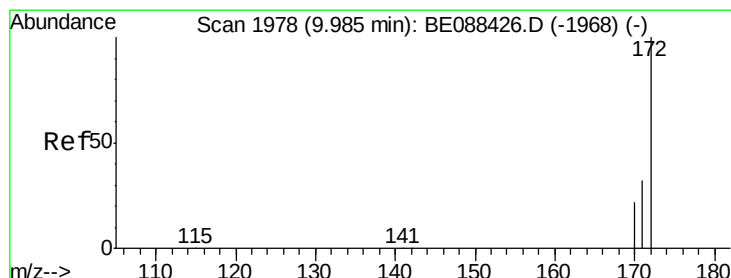
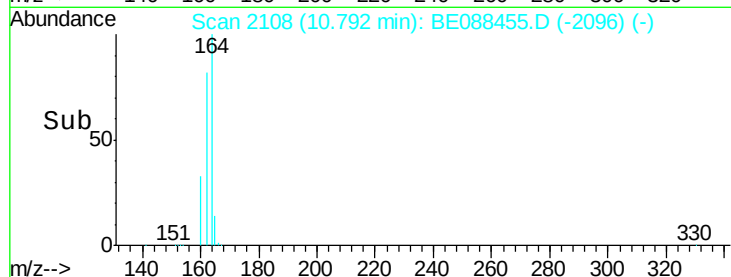
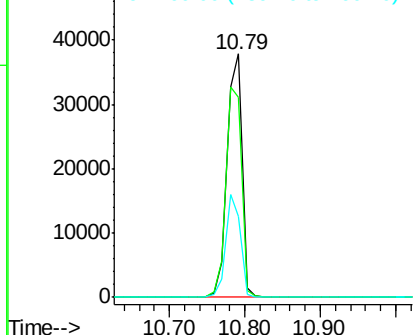
164 100

162 82.0 77.0 115.4

160 33.3 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: 35.12 ng

RT: 9.98 min Scan# 1977

Delta R.T. 0.00 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

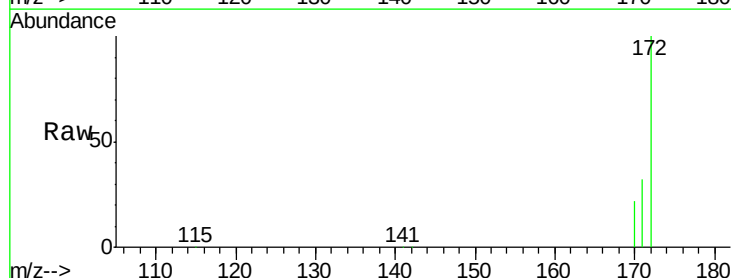
Tgt Ion:172 Resp: 513578

Ion Ratio Lower Upper

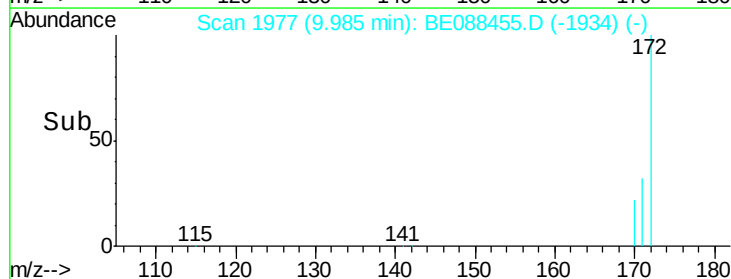
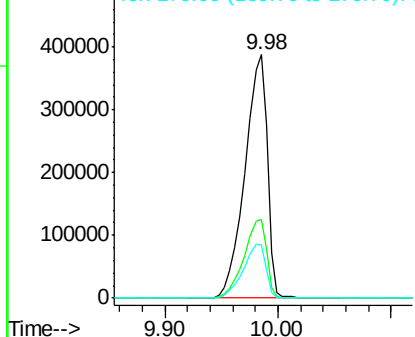
172 100

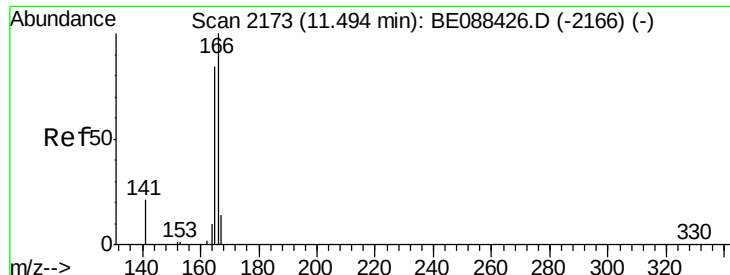
171 32.5 26.0 39.0

170 21.8 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





#11

Fluorene

Concen: 0.50 ng

RT: 11.82 min Scan# 2202

Delta R.T. 0.33 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

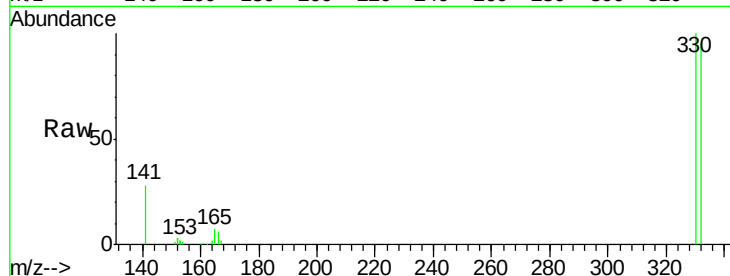
Tgt Ion:166 Resp: 6671

Ion Ratio Lower Upper

166 100

165 103.3 71.3 106.9

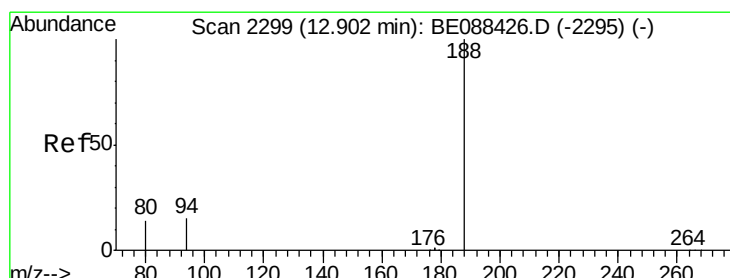
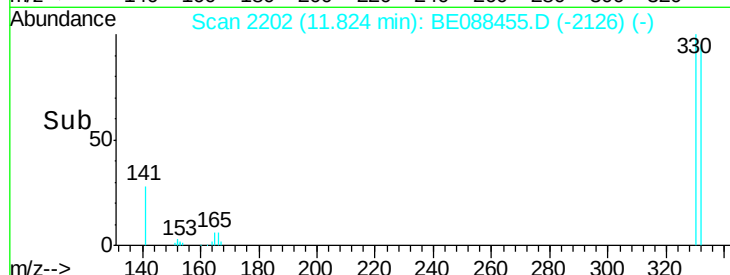
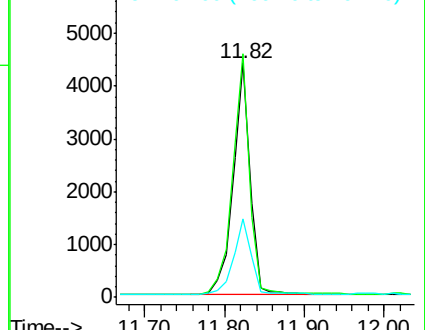
167 33.6 10.7 16.1#



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: 12.89 min Scan# 2297

Delta R.T. -0.01 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

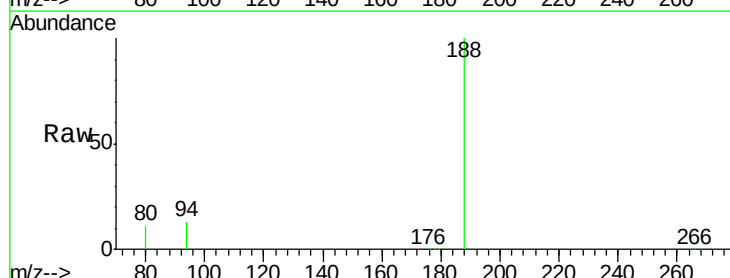
Tgt Ion:188 Resp: 99397

Ion Ratio Lower Upper

188 100

94 12.5 11.8 17.8

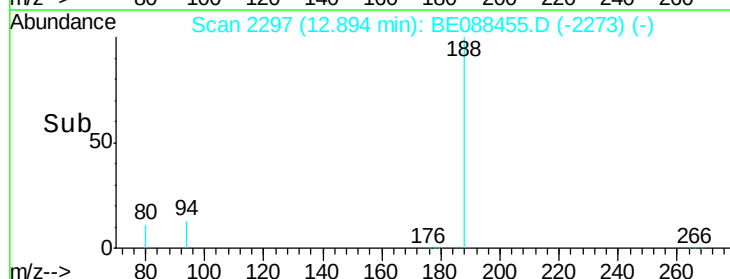
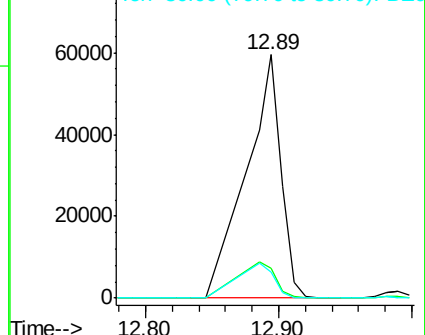
80 10.9 10.9 16.3

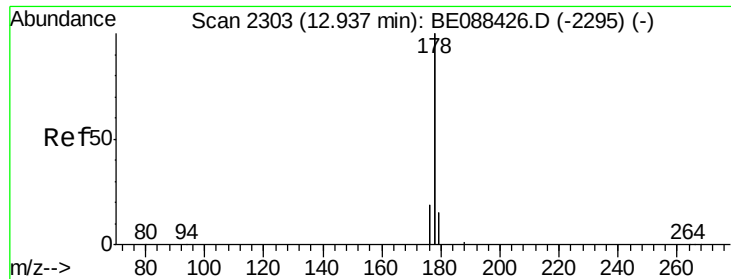


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0





#13

Phenanthrene

Concen: 0.05 ng

RT: 12.93 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

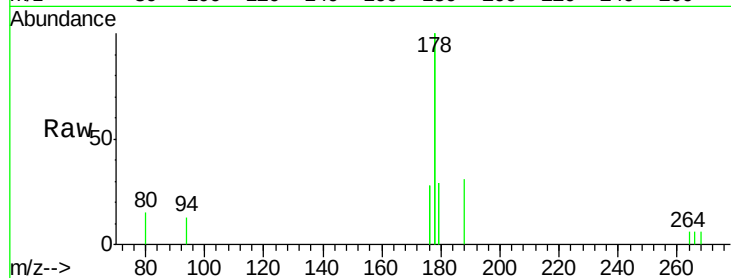
Tgt Ion:178 Resp: 4222

Ion Ratio Lower Upper

178 100

176 46.9 15.4 23.2#

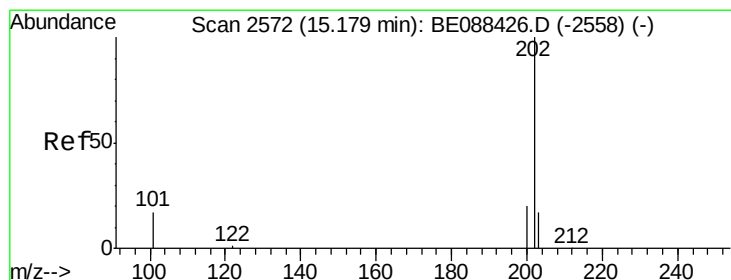
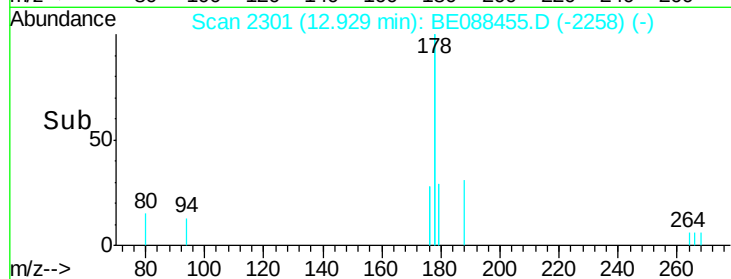
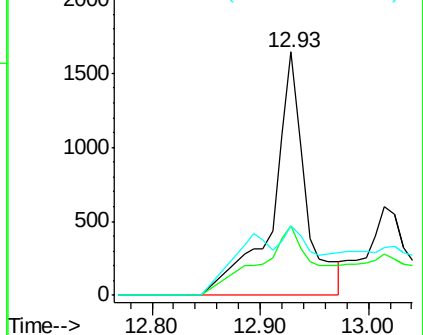
179 9.7 12.8 19.2#



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



#15

Fluoranthene

Concen: 0.06 ng

RT: 15.16 min Scan# 2568

Delta R.T. -0.02 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

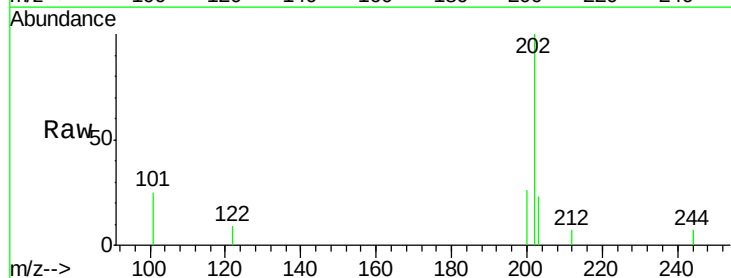
Tgt Ion:202 Resp: 925

Ion Ratio Lower Upper

202 100

101 19.0 14.3 21.5

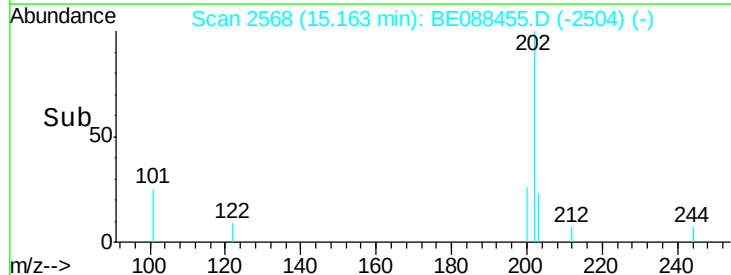
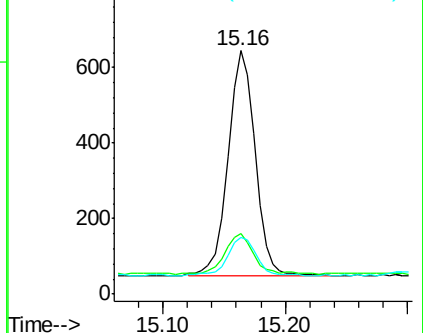
203 17.5 13.6 20.4

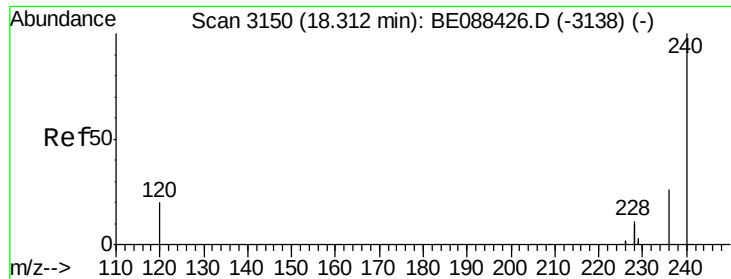


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#16

Chrysene-d12

Concen: 5.00 ng

RT: 18.30 min Scan# 3147

Delta R.T. -0.01 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

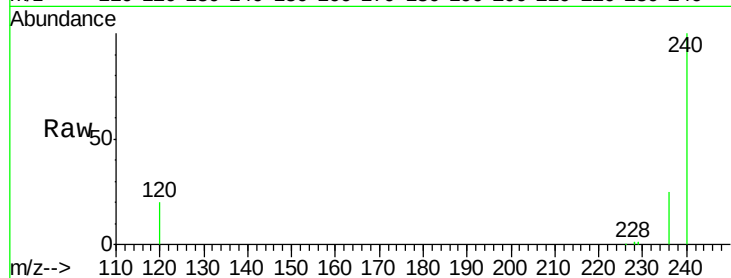
Tgt Ion:240 Resp: 61947

Ion Ratio Lower Upper

240 100

120 19.7 16.4 24.6

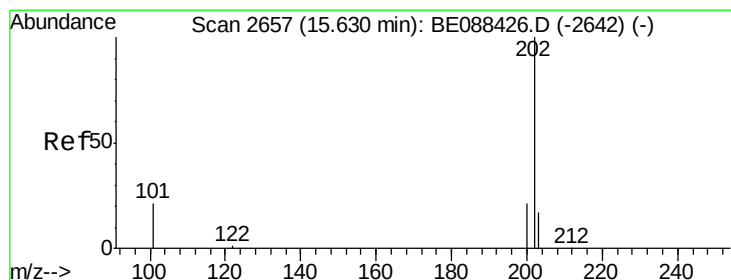
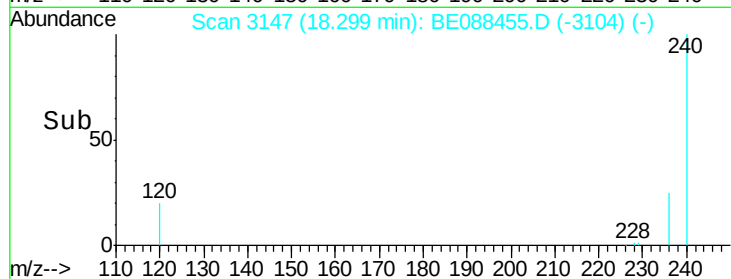
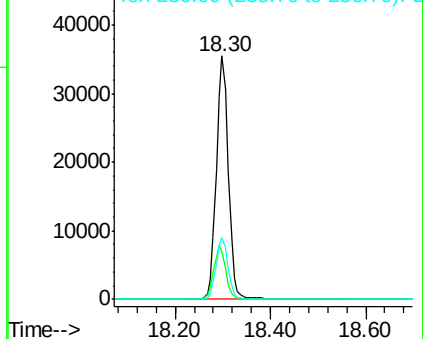
236 25.2 20.5 30.7



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: 0.05 ng

RT: 15.16 min Scan# 2568

Delta R.T. -0.47 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

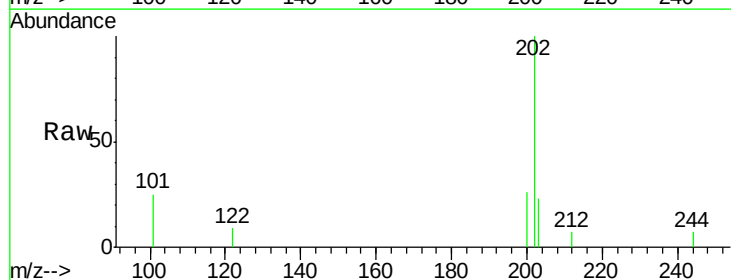
Tgt Ion:202 Resp: 918

Ion Ratio Lower Upper

202 100

200 19.2 16.1 24.1

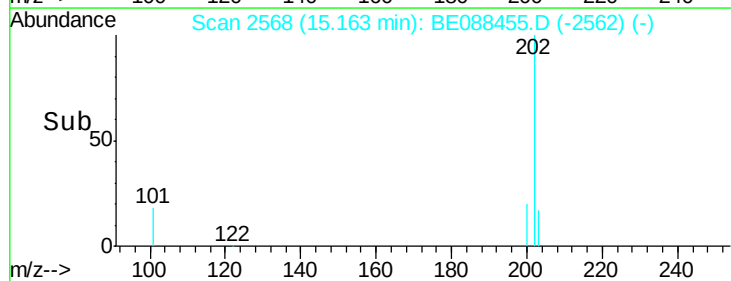
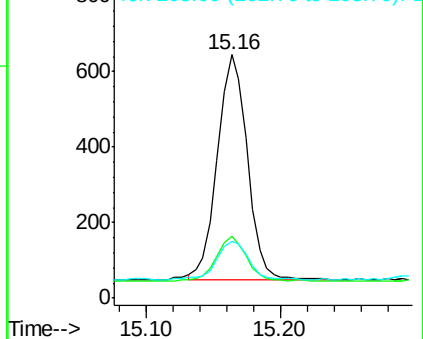
203 17.9 13.8 20.8

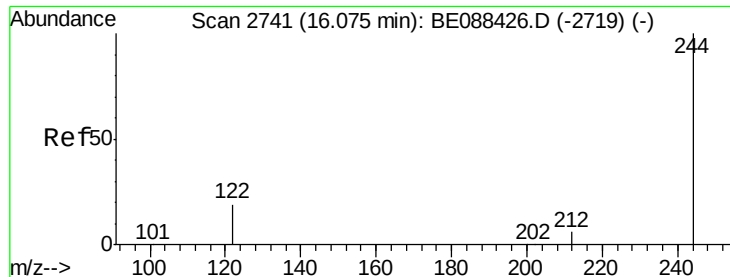


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

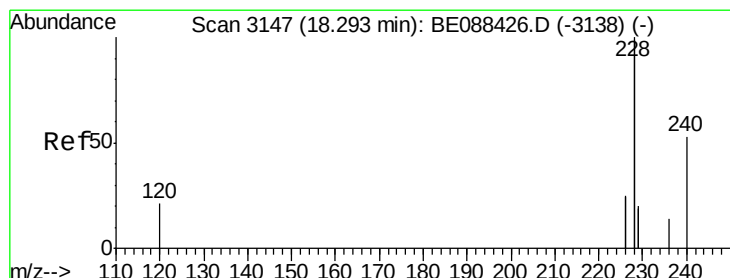
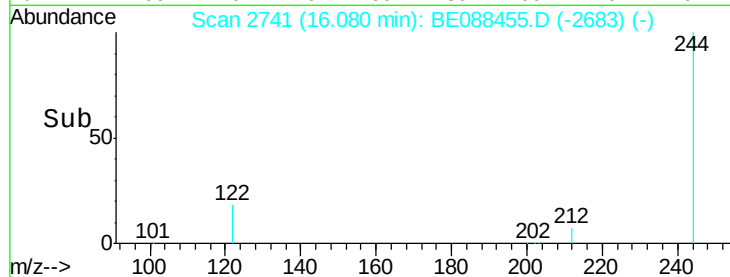
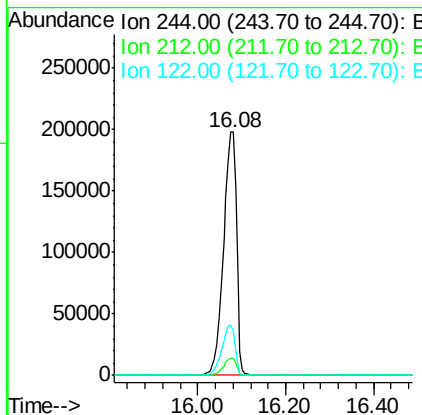
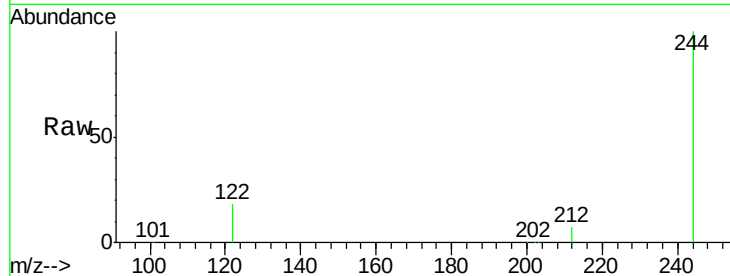




#18
 Terphenyl-d14
 Concen: 35.23 ng
 RT: 16.08 min Scan# 2741
 Delta R.T. 0.01 min
 Lab File: BE088455.D
 Acq: 1 Nov 2014 17:35

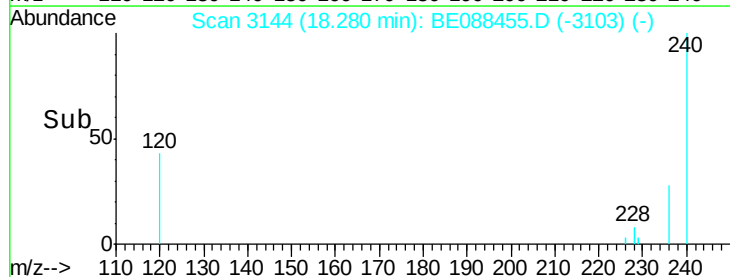
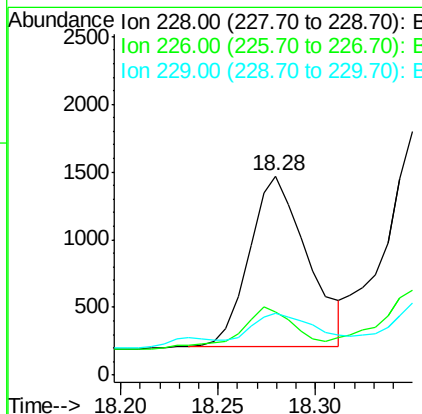
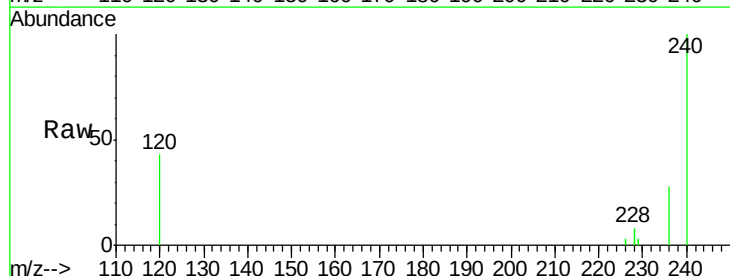
Instrument :
 BNA_E
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 YS19-SS35-1014

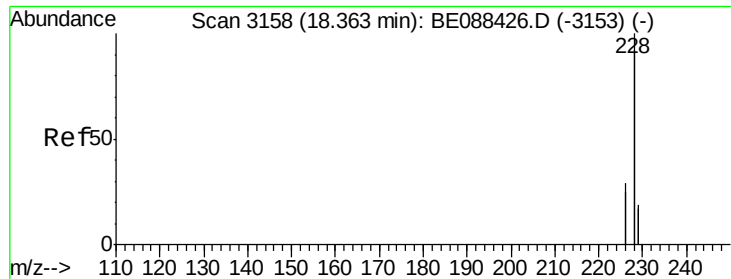
Tgt Ion: 244 Resp: 400916
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 18.3 15.6 23.4



#19
 Benzo(a)anthracene
 Concen: 0.04 ng
 RT: 18.28 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BE088455.D
 Acq: 1 Nov 2014 17:35

Tgt Ion: 228 Resp: 2600
 Ion Ratio Lower Upper
 228 100
 226 32.0 19.8 29.6#
 229 31.2 16.0 24.0#





#20

Chrysene

Concen: 0.06 ng

RT: 18.35 min Scan# 3155

Delta R.T. -0.01 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

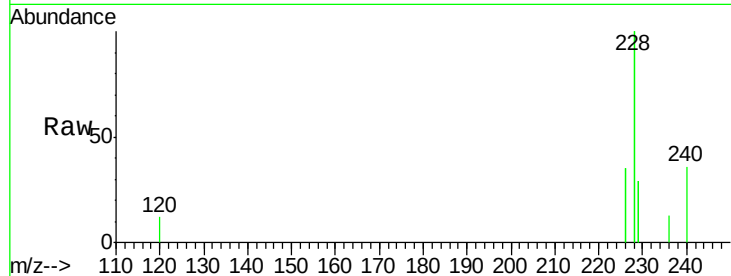
Tgt Ion:228 Resp: 3399

Ion Ratio Lower Upper

228 100

226 35.0 23.6 35.4

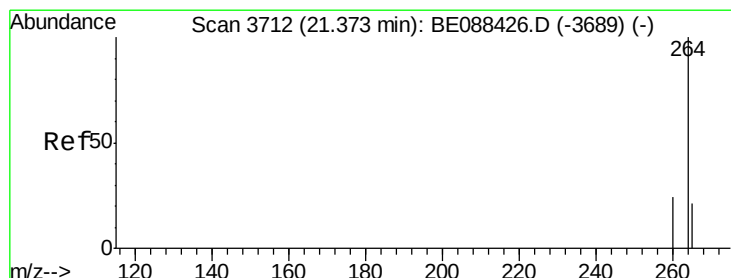
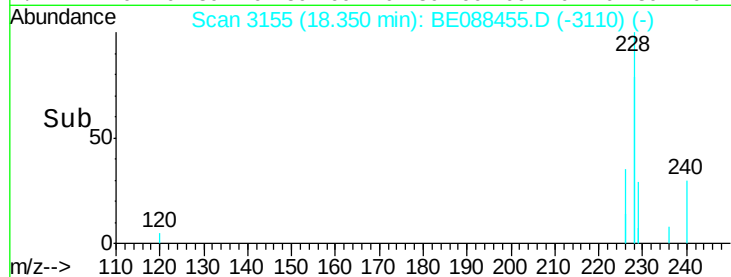
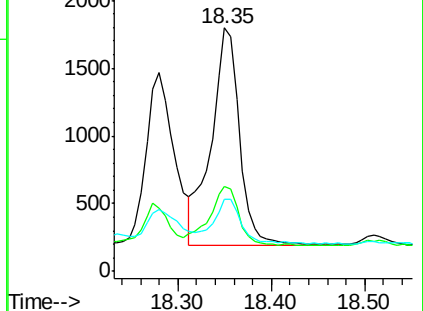
229 29.5 15.4 23.2#



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



#22

Perylene-d12

Concen: 5.00 ng

RT: 21.36 min Scan# 3708

Delta R.T. -0.01 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

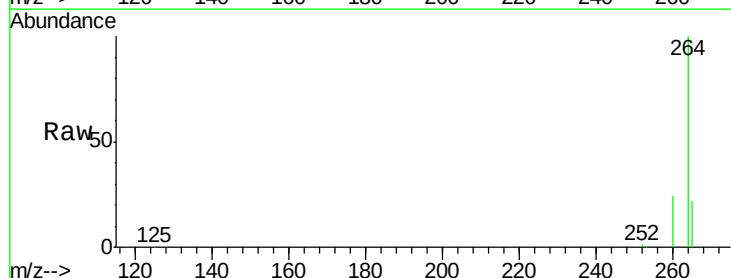
Tgt Ion:264 Resp: 60030

Ion Ratio Lower Upper

264 100

260 23.5 18.9 28.3

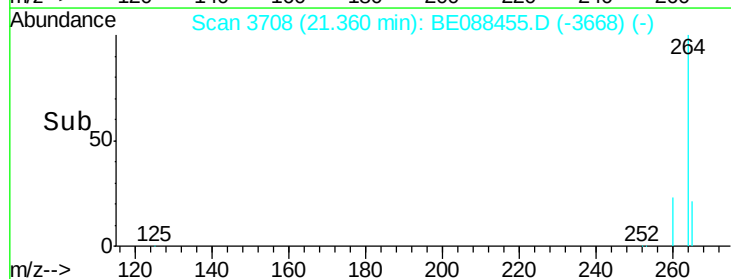
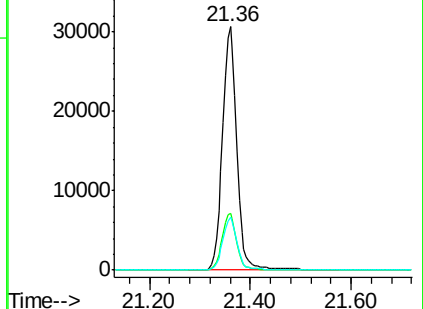
265 21.6 17.2 25.8

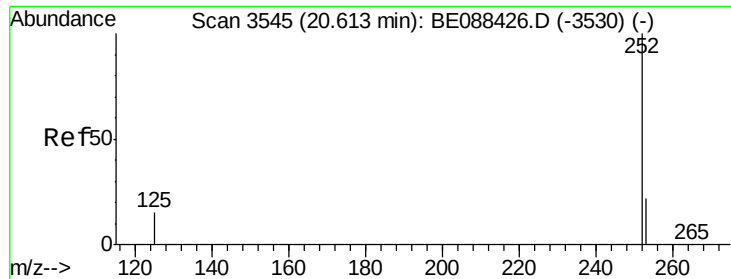


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

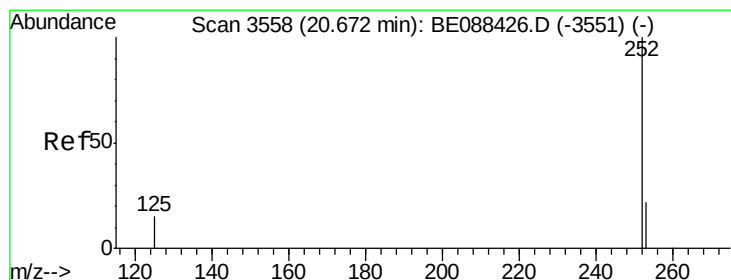
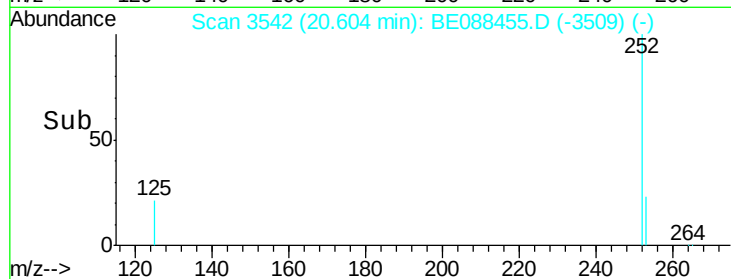
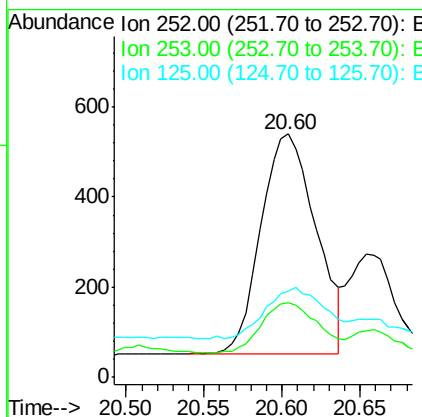
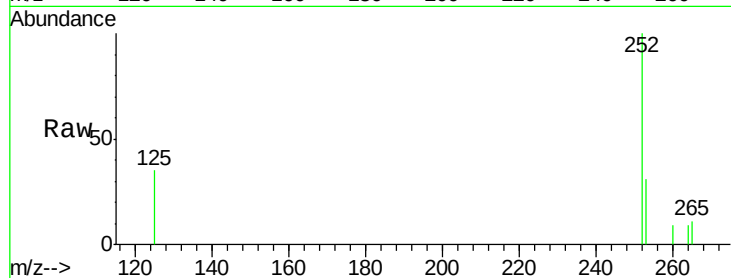




#23
Benzo(b)fluoranthene
Concen: 0.09 ng
RT: 20.60 min Scan# 3542
Delta R.T. -0.01 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

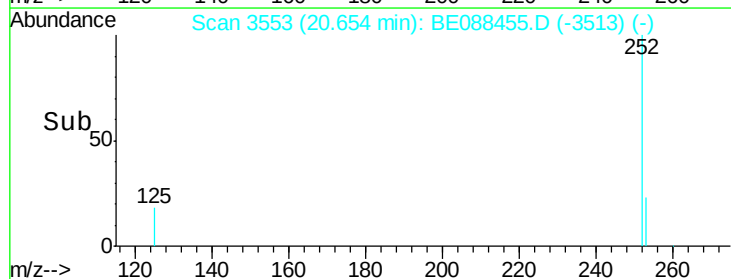
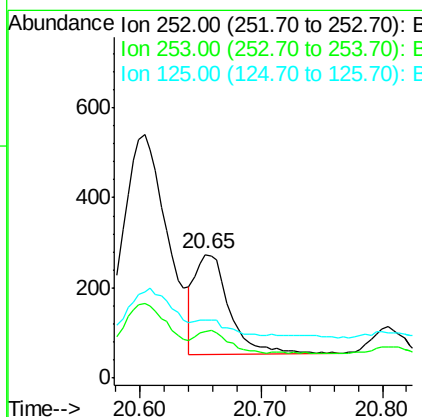
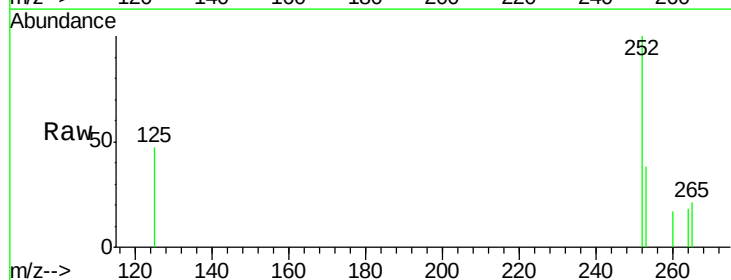
Instrument :
BNA_E
ClientSampleId :
YS19-SS35-1014

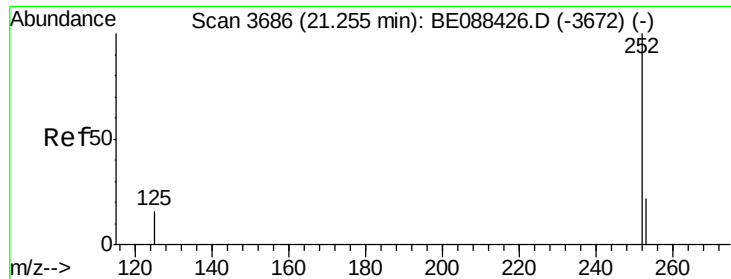
Tgt Ion: 252 Resp: 1197
Ion Ratio Lower Upper
252 100
253 30.6 17.8 26.8#
125 35.2 12.3 18.5#



#24
Benzo(k)fluoranthene
Concen: 0.03 ng
RT: 20.65 min Scan# 3553
Delta R.T. -0.02 min
Lab File: BE088455.D
Acq: 1 Nov 2014 17:35

Tgt Ion: 252 Resp: 439
Ion Ratio Lower Upper
252 100
253 37.6 17.8 26.8#
125 47.4 12.2 18.4#





#25

Benzo(a)pyrene

Concen: 0.05 ng

RT: 21.24 min Scan# 3682

Delta R.T. -0.01 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

Instrument :

BNA_E

ClientSampleId :

YS19-SS35-1014

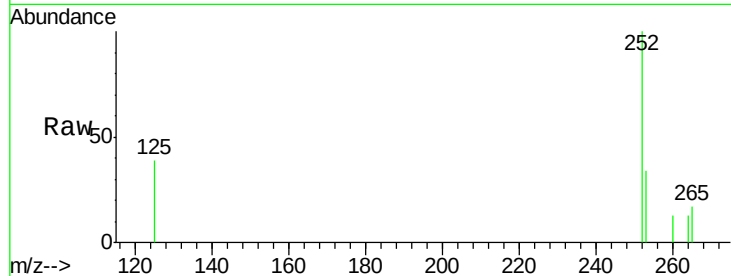
Tgt Ion: 252 Resp: 639

Ion Ratio Lower Upper

252 100

253 34.5 18.2 27.4#

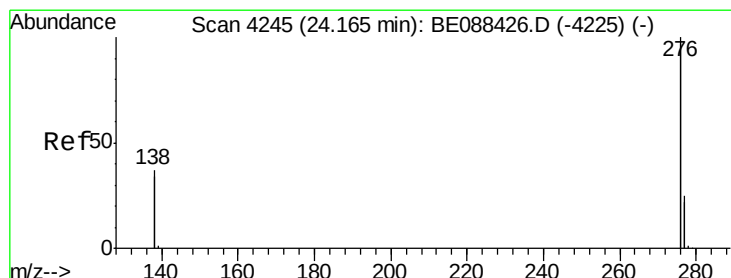
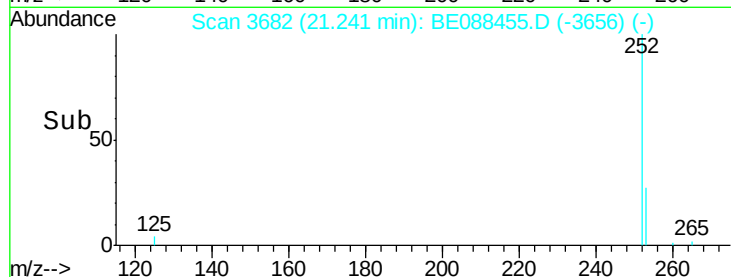
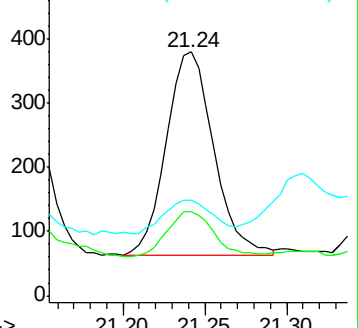
125 38.9 13.7 20.5#



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



#27

Benzo(g,h,i)perylene

Concen: 0.06 ng

RT: 24.15 min Scan# 4241

Delta R.T. -0.02 min

Lab File: BE088455.D

Acq: 1 Nov 2014 17:35

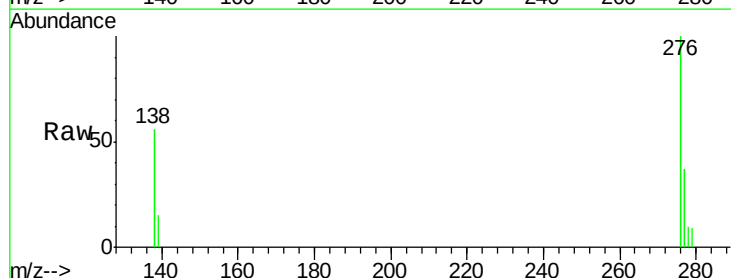
Tgt Ion: 276 Resp: 3216

Ion Ratio Lower Upper

276 100

277 37.3 19.8 29.6#

138 55.8 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

