

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088419.D
 Acq On : 31 Oct 2014 12:11
 Operator : TP/JJ
 Sample : F4342-08
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 X1D04

Quant Time: Nov 01 00:59:01 2014
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE103014.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Nov 01 00:56:22 2014
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.08	152	2357	0.40	ng/ul	0.00
2) Naphthalene-d8	8.65	136	9218	0.40	ng/ul	0.00
6) Acenaphthene-d10	10.80	164	4497	0.40	ng/ul	0.00
10) Phenanthrene-d10	13.01	188	287390	0.40	ng/ul	0.11
16) Chrysene-d12	18.31	240	3639	0.40	ng/ul	0.00
20) Perylene-d12	21.24	264	212282	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	9.49	152	4972	0.44	ng/ul	0.00
14) Fluoranthene-d10	15.14	212	4969	0.01	ng/ul	0.00

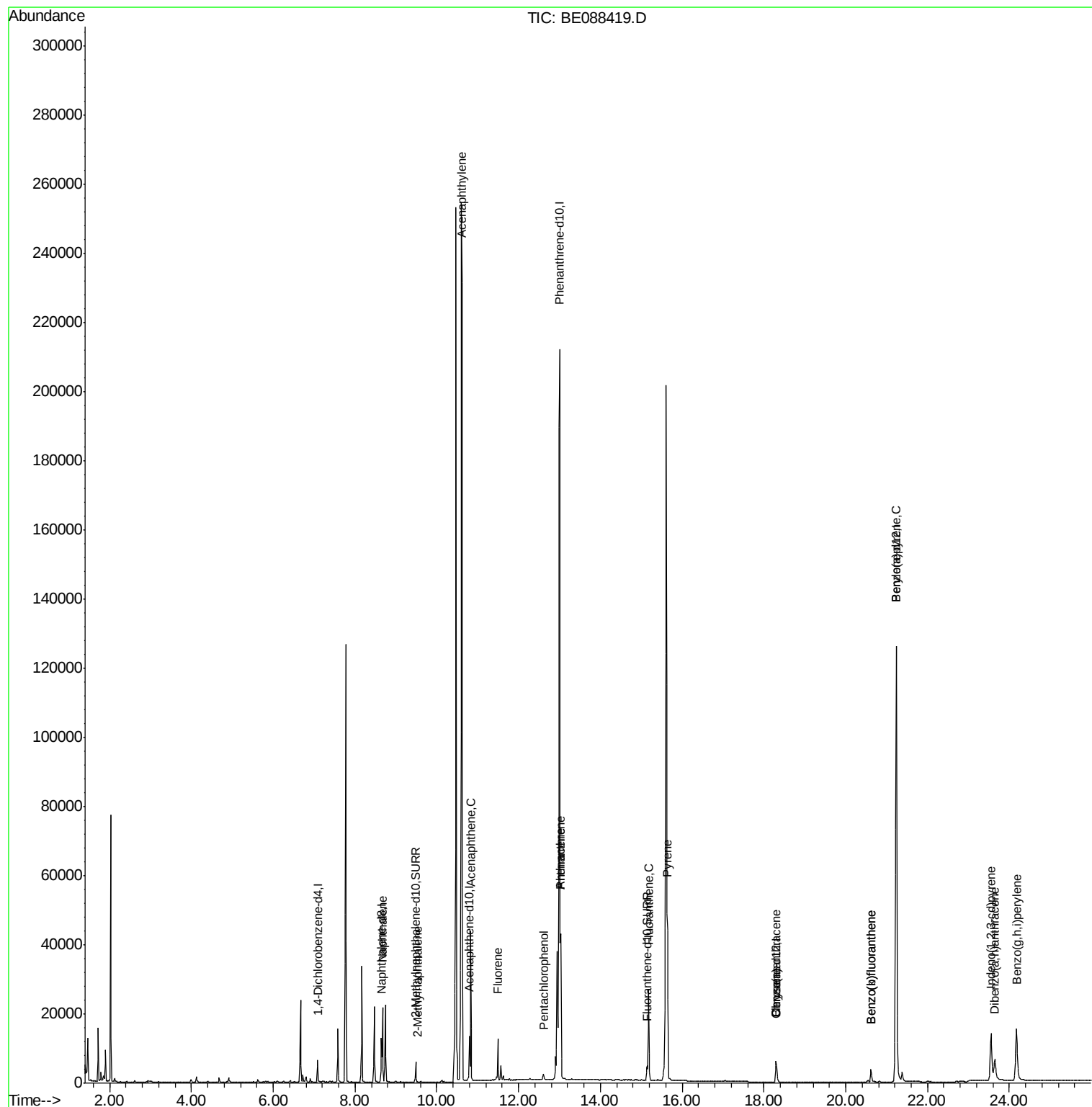
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	8.67	128	17898	0.76	ng/ul	99
5) 2-Methylnaphthalene	9.53	142	91	0.01	ng/ul	92
7) Acenaphthylene	10.62	152	36384	0.43	ng/ul	99
8) Acenaphthene	10.83	153	25242	0.49	ng/ul	92
9) Fluorene	11.50	166	6232	0.44	ng/ul	96
11) Pentachlorophenol	12.61	266	1287	0.02	ng/ul	97
12) Phenanthrene	13.03	178	37852	0.01	ng/ul	99
13) Anthracene	13.03	178	37852	0.01	ng/ul	98
15) Fluoranthene	15.18	202	32963	0.01	ng/ul	100
17) Pyrene	15.65	202	45931	0.79	ng/ul	98
18) Benzo(a)anthracene	18.29	228	6784	0.62	ng/ul	99
19) Chrysene	18.29	228	6784	0.64	ng/ul	97
21) Benzo(b)fluoranthene	20.62	252	5668	0.01	ng/ul	97
22) Benzo(k)fluoranthene	20.62	252	5668	0.01	ng/ul	98
23) Benzo(a)pyrene	21.24	252	621	0.00	ng/ul#	49
24) Indeno(1,2,3-cd)pyrene	23.55	276	25689	0.01	ng/ul	99
25) Dibenzo(a,h)anthracene	23.64	278	5838	0.01	ng/ul	97
26) Benzo(g,h,i)perylene	24.17	276	29679	0.01	ng/ul	96

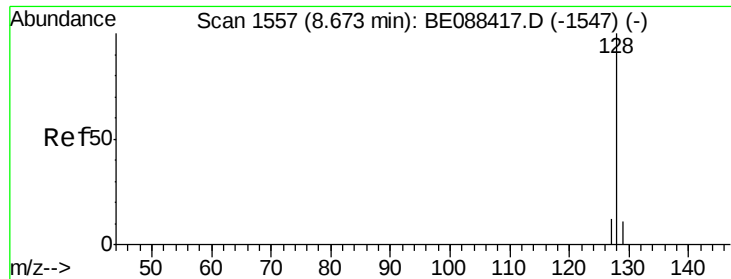
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.76 ng/ul

RT: 8.67 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

Instrument :

BNA_E

ClientSampleId :

X1D04

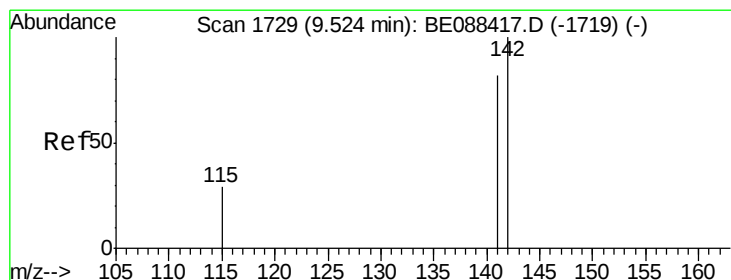
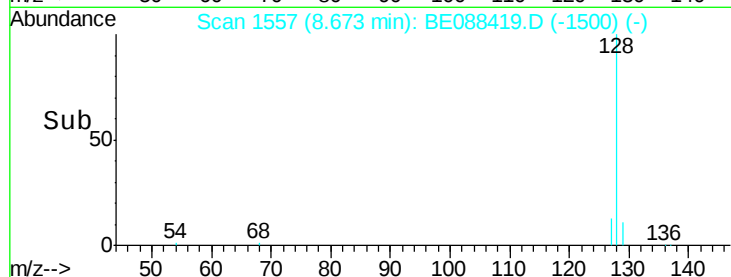
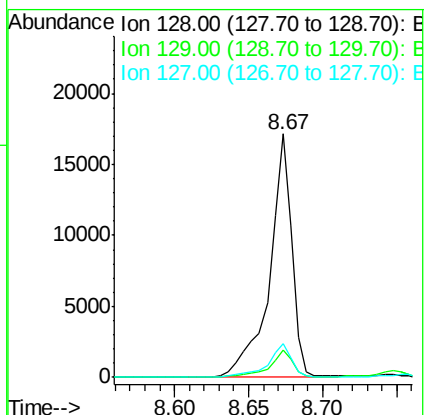
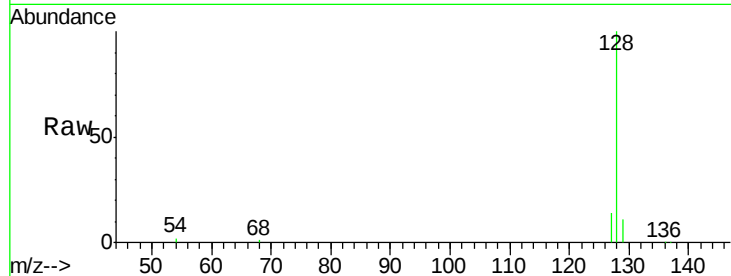
Tgt Ion:128 Resp: 17898

Ion Ratio Lower Upper

128 100

129 11.3 9.0 13.4

127 13.6 10.3 15.5



#5

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 9.53 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BE088419.D

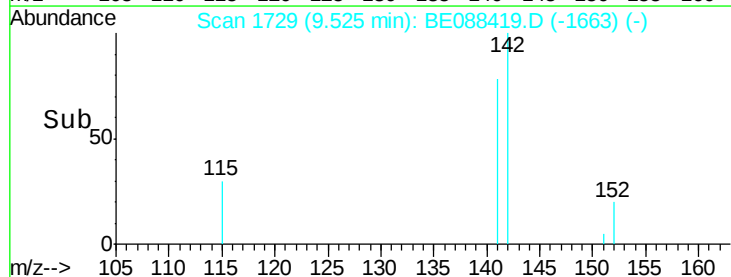
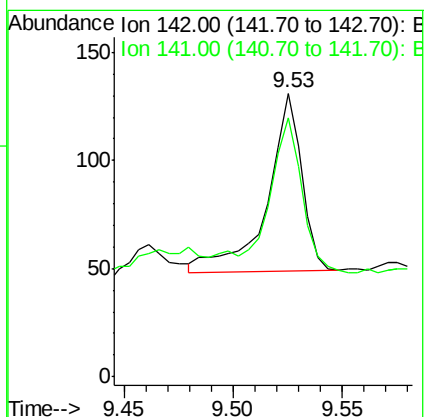
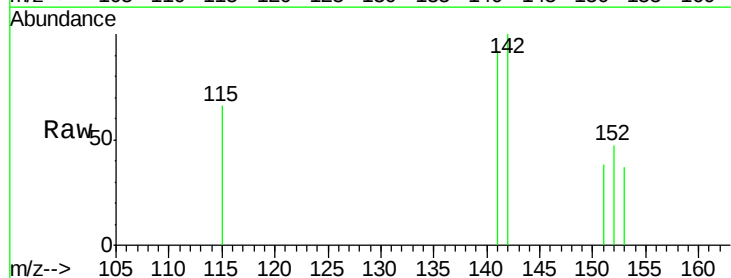
Acq: 31 Oct 2014 12:11

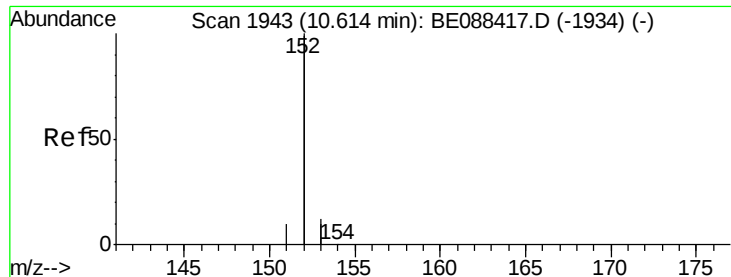
Tgt Ion:142 Resp: 91

Ion Ratio Lower Upper

142 100

141 87.9 64.6 97.0





#7

Acenaphthylene

Concen: 0.43 ng/ul

RT: 10.62 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

Instrument :

BNA_E

ClientSampleId :

X1D04

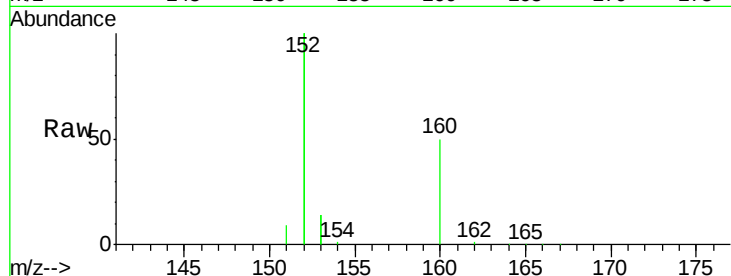
Tgt Ion:152 Resp: 36384

Ion Ratio Lower Upper

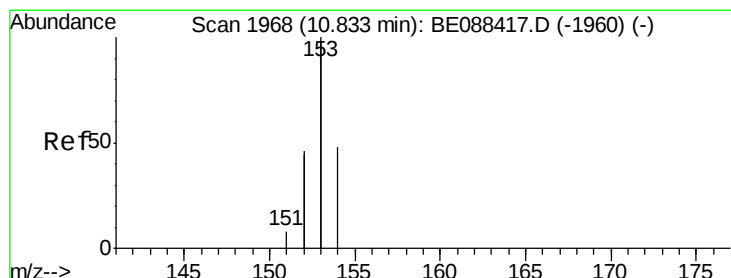
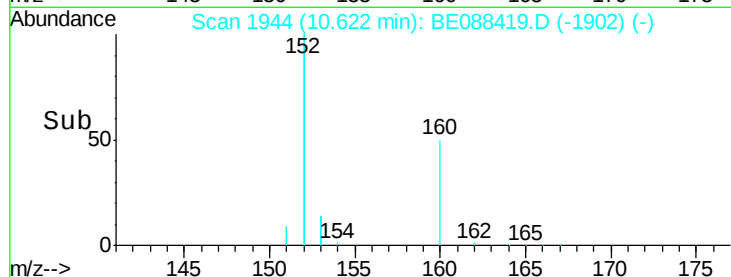
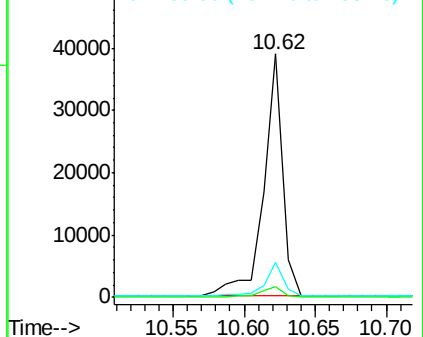
152 100

151 4.4 3.6 5.4

153 14.2 10.9 16.3



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



#8

Acenaphthene

Concen: 0.49 ng/ul

RT: 10.83 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

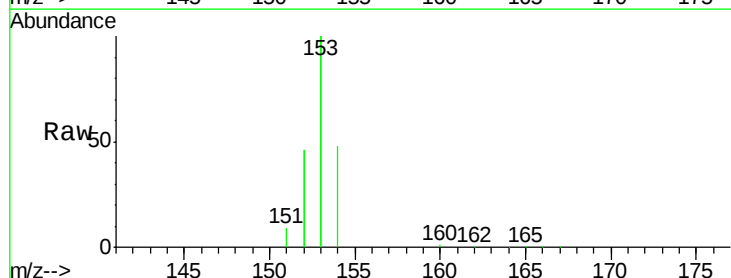
Tgt Ion:153 Resp: 25242

Ion Ratio Lower Upper

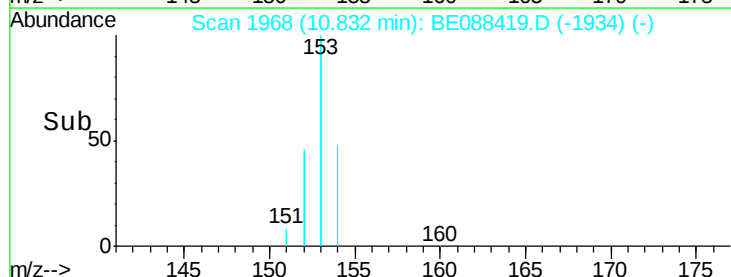
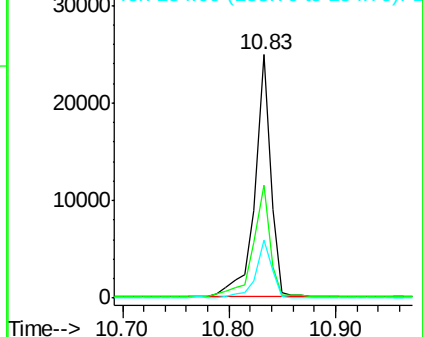
153 100

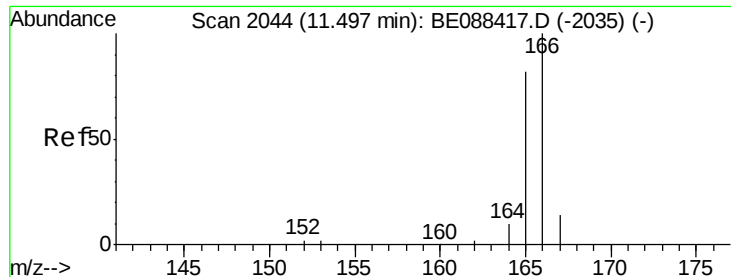
152 46.3 42.7 64.1

154 24.0 17.5 26.3



Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E

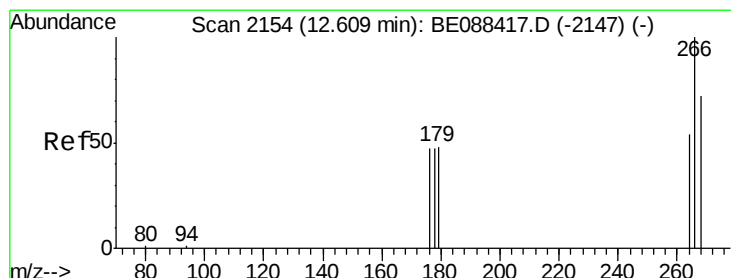
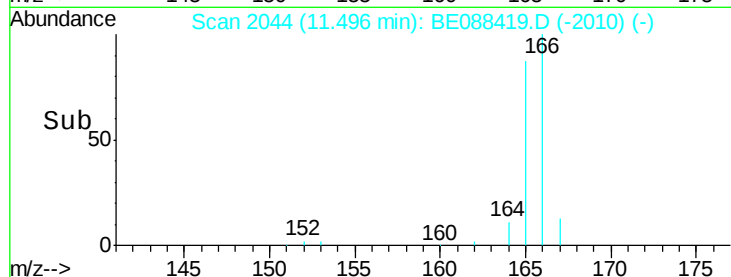
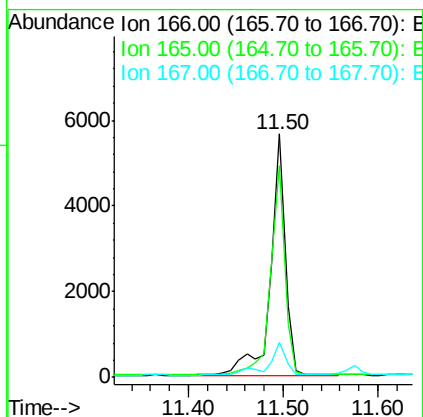
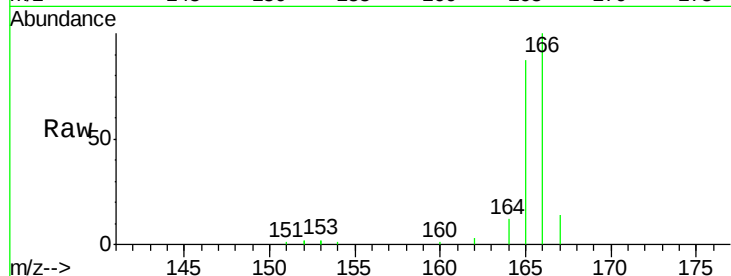




#9
Fluorene
 Concen: 0.44 ng/ul
 RT: 11.50 min Scan# 2044
 Delta R.T. -0.00 min
 Lab File: BE088419.D
 Acq: 31 Oct 2014 12:11

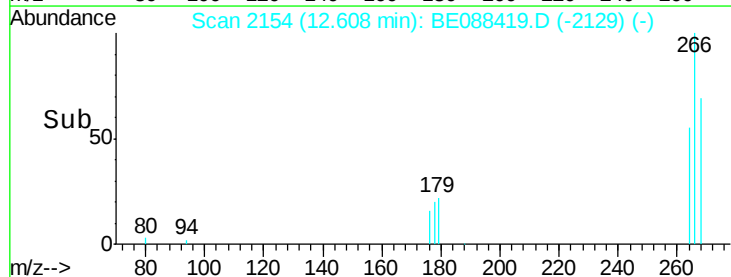
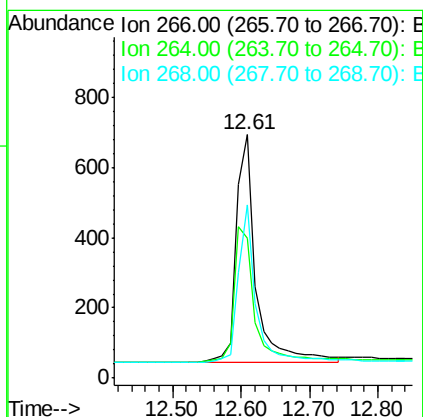
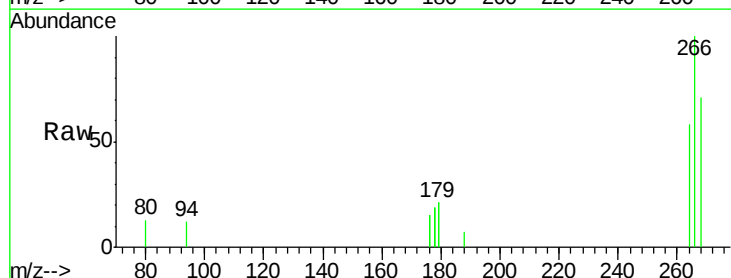
Instrument :
 BNA_E
 ClientSampleId :
 X1D04

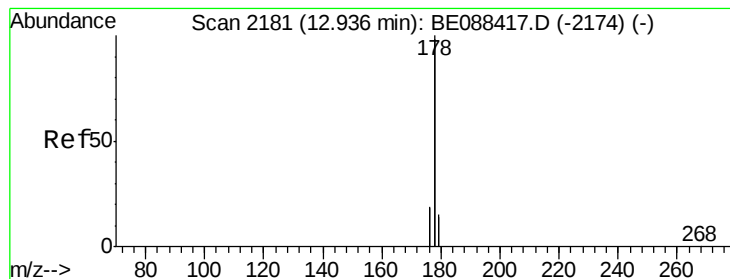
Tgt Ion:166 Resp: 6232
 Ion Ratio Lower Upper
 166 100
 165 87.0 73.0 109.4
 167 14.1 10.8 16.2



#11
Pentachlorophenol
 Concen: 0.02 ng/ul
 RT: 12.61 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BE088419.D
 Acq: 31 Oct 2014 12:11

Tgt Ion:266 Resp: 1287
 Ion Ratio Lower Upper
 266 100
 264 67.6 52.2 78.2
 268 66.1 55.3 82.9





#12

Phenanthrene

Concen: 0.01 ng/ul

RT: 13.03 min Scan# 2189

Delta R.T. 0.10 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

Instrument :

BNA_E

ClientSampleId :

X1D04

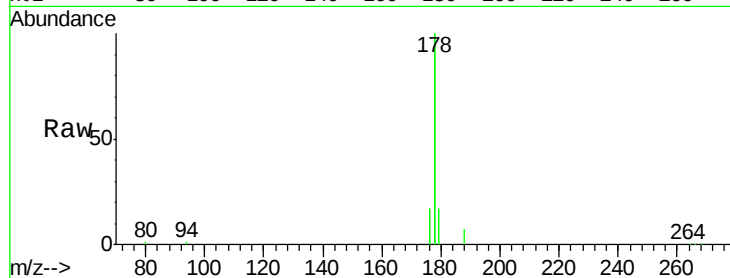
Tgt Ion:178 Resp: 37852

Ion Ratio Lower Upper

178 100

176 16.6 13.9 20.9

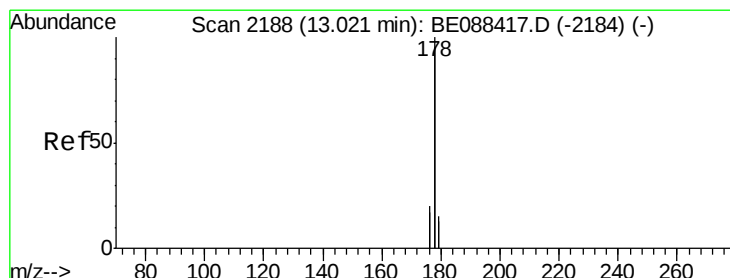
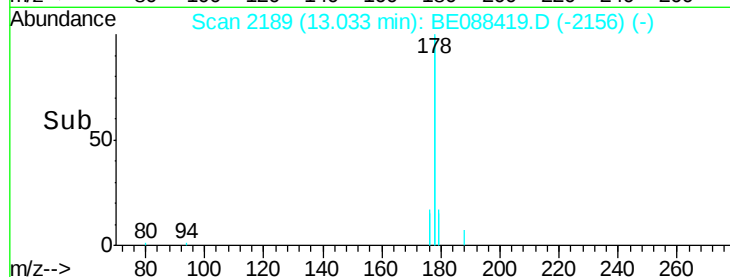
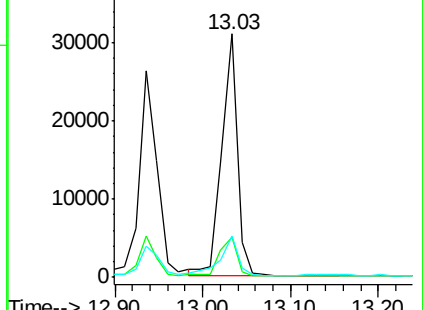
179 17.0 13.5 20.3



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



#13

Anthracene

Concen: 0.01 ng/ul

RT: 13.03 min Scan# 2189

Delta R.T. 0.01 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

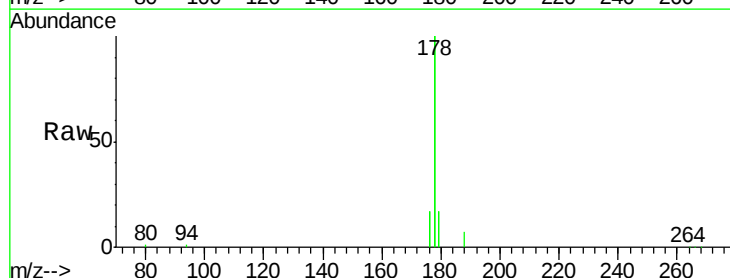
Tgt Ion:178 Resp: 37852

Ion Ratio Lower Upper

178 100

176 16.6 14.1 21.1

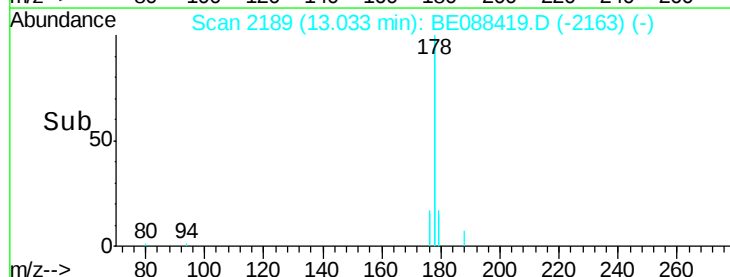
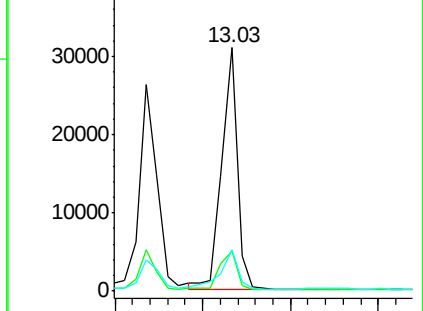
179 17.0 13.3 19.9

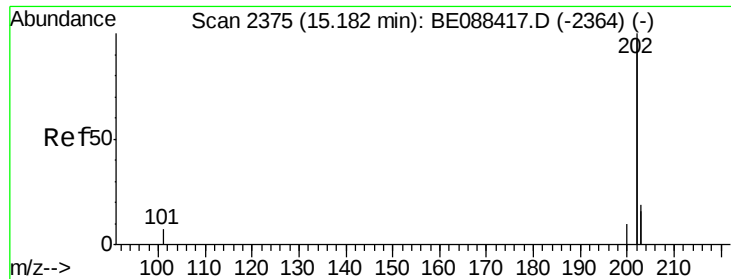


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.01 ng/ul

RT: 15.18 min Scan# 2375

Delta R.T. -0.00 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

Instrument :

BNA_E

ClientSampleId :

X1D04

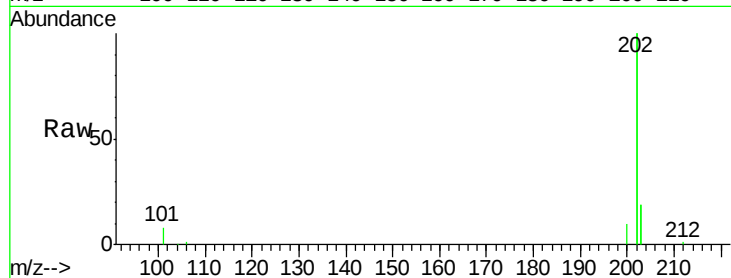
Tgt Ion:202 Resp: 32963

Ion Ratio Lower Upper

202 100

101 4.0 0.0 24.3

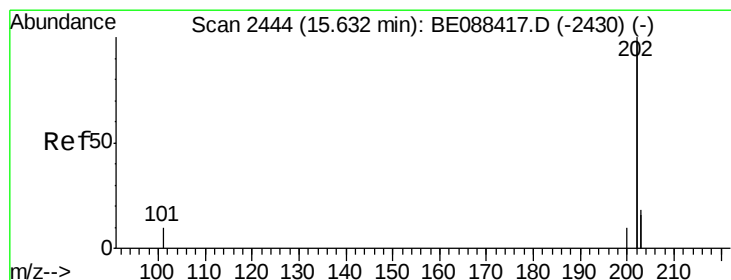
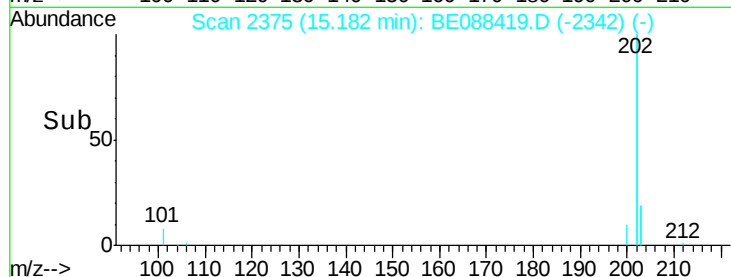
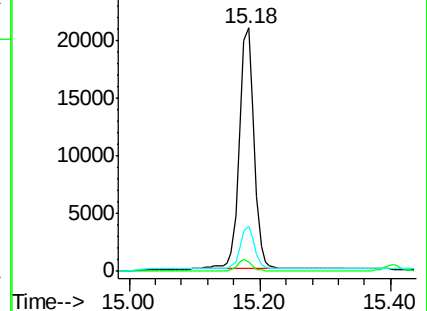
203 18.7 0.0 38.7



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



#17

Pyrene

Concen: 0.79 ng/ul

RT: 15.65 min Scan# 2446

Delta R.T. 0.01 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

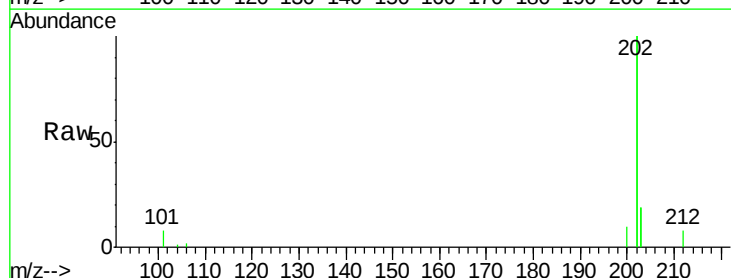
Tgt Ion:202 Resp: 45931

Ion Ratio Lower Upper

202 100

200 4.8 4.3 6.5

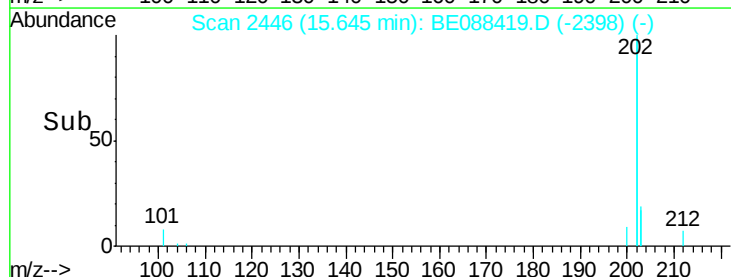
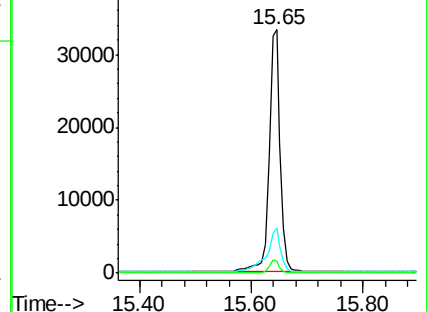
203 18.6 14.4 21.6

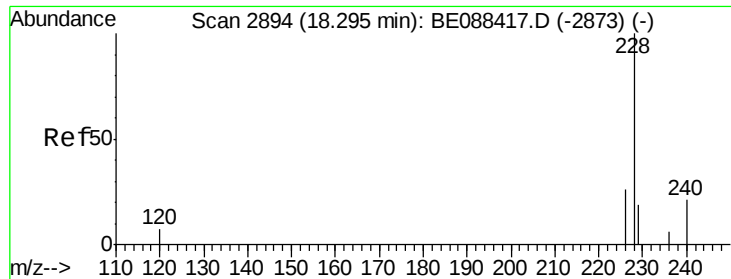


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.62 ng/ul

RT: 18.29 min Scan# 2894

Delta R.T. -0.00 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

Instrument :

BNA_E

ClientSampleId :

X1D04

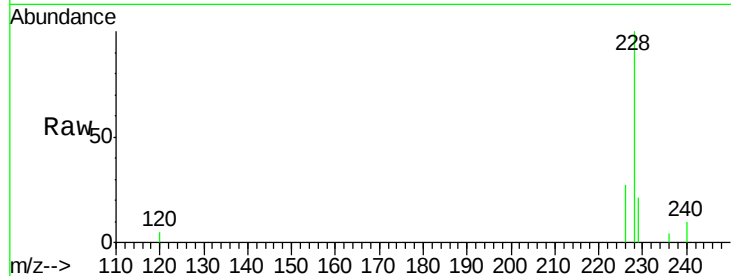
Tgt Ion:228 Resp: 6784

Ion Ratio Lower Upper

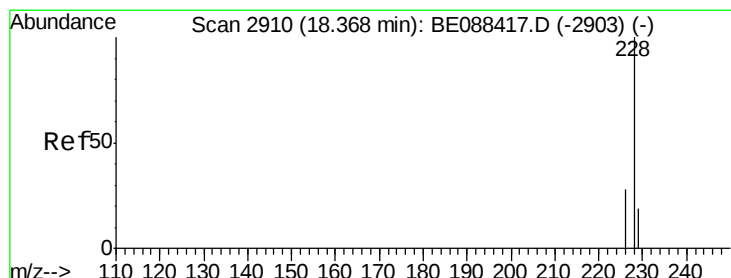
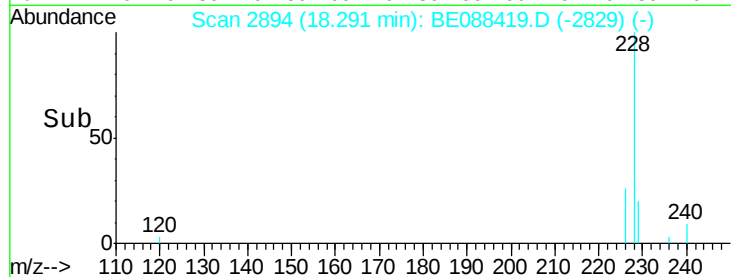
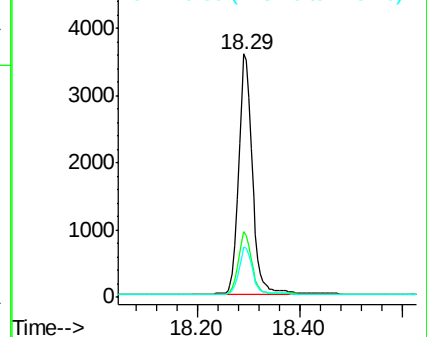
228 100

226 26.7 21.1 31.7

229 20.6 17.0 25.4



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



#19

Chrysene

Concen: 0.64 ng/ul

RT: 18.29 min Scan# 2894

Delta R.T. -0.08 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

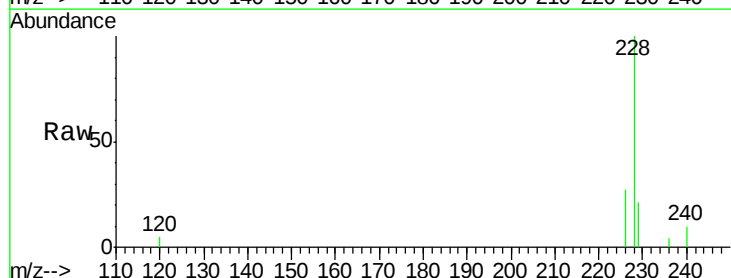
Tgt Ion:228 Resp: 6784

Ion Ratio Lower Upper

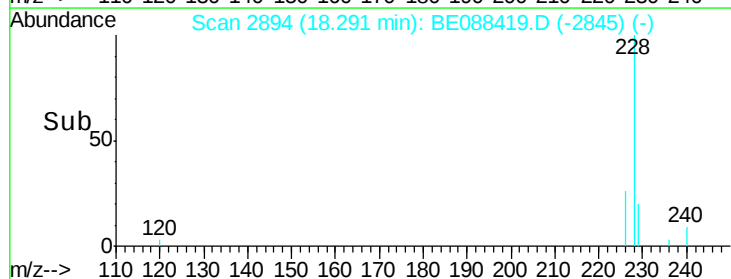
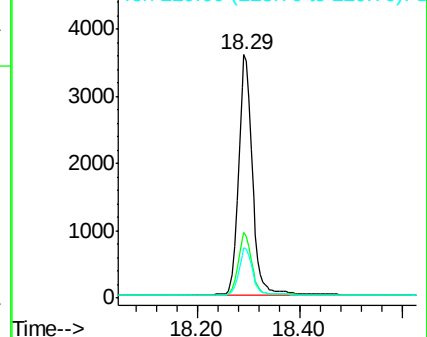
228 100

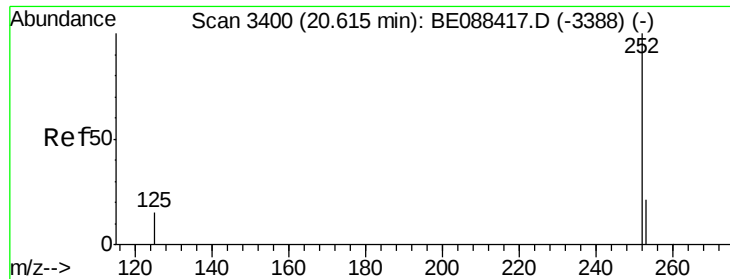
226 26.7 23.1 34.7

229 20.6 16.6 25.0



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





#21

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 20.62 min Scan# 3401

Delta R.T. 0.00 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

Instrument :

BNA_E

ClientSampleId :

X1D04

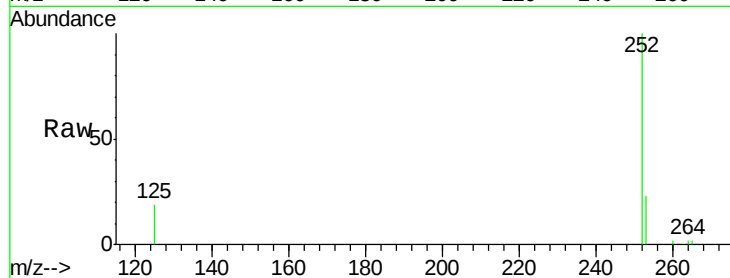
Tgt Ion:252 Resp: 5668

Ion Ratio Lower Upper

252 100

253 22.8 0.0 48.2

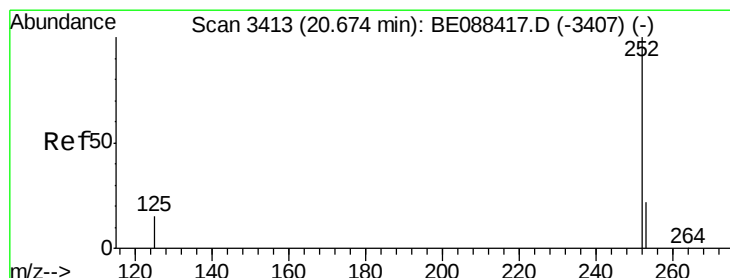
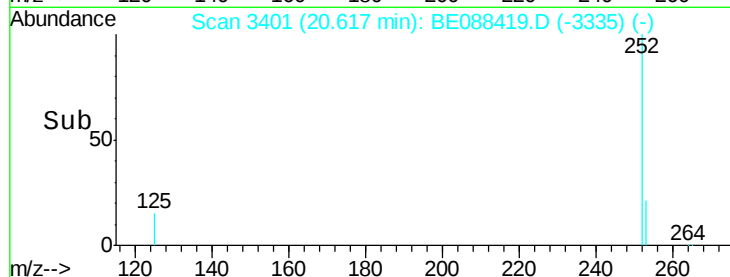
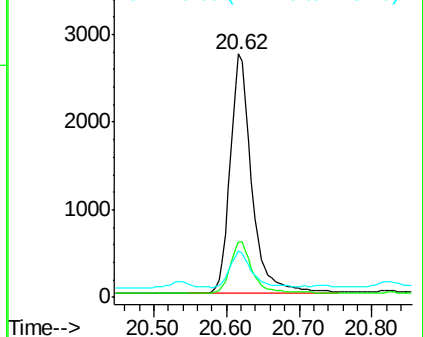
125 19.3 0.0 36.0



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



#22

Benzo(k)fluoranthene

Concen: 0.01 ng/ul

RT: 20.62 min Scan# 3401

Delta R.T. -0.06 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

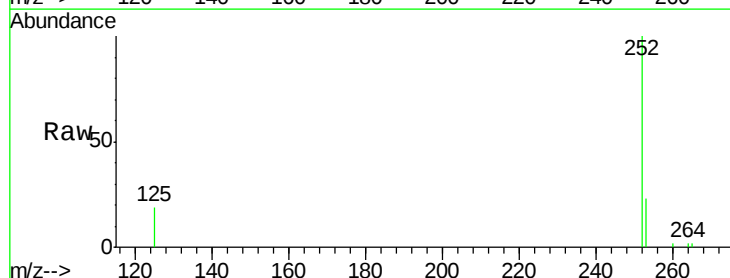
Tgt Ion:252 Resp: 5668

Ion Ratio Lower Upper

252 100

253 22.8 18.8 28.2

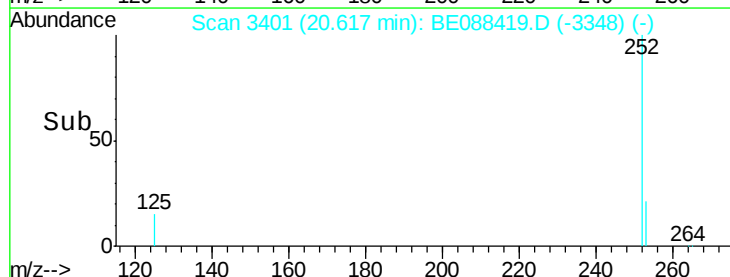
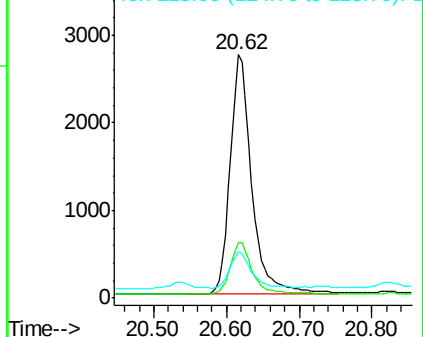
125 19.3 14.3 21.5

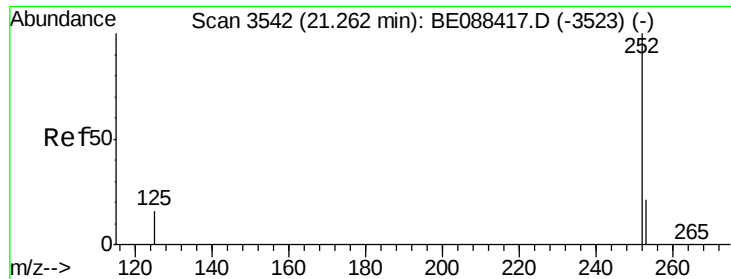


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.00 ng/ul

RT: 21.24 min Scan# 3537

Delta R.T. -0.03 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

Instrument :

BNA_E

ClientSampleId :

X1D04

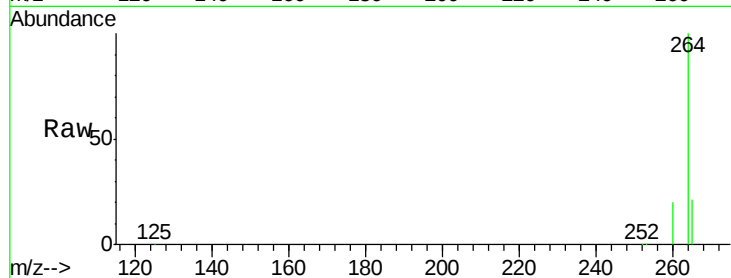
Tgt Ion: 252 Resp: 621

Ion Ratio Lower Upper

252 100

253 41.9 19.0 28.4#

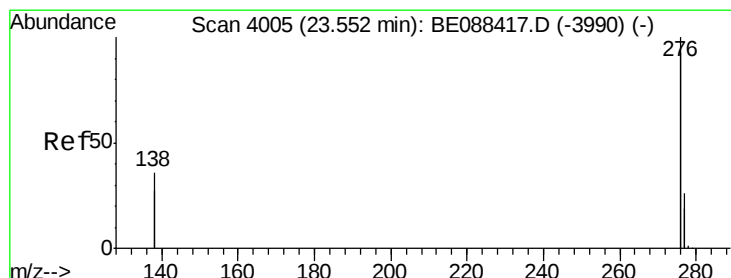
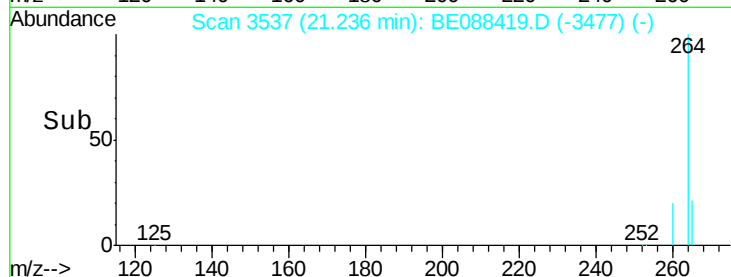
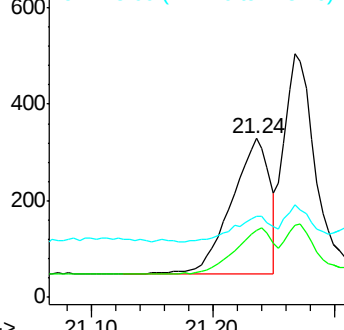
125 51.1 16.0 24.0#



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

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 23.55 min Scan# 4006

Delta R.T. -0.00 min

Lab File: BE088419.D

Acq: 31 Oct 2014 12:11

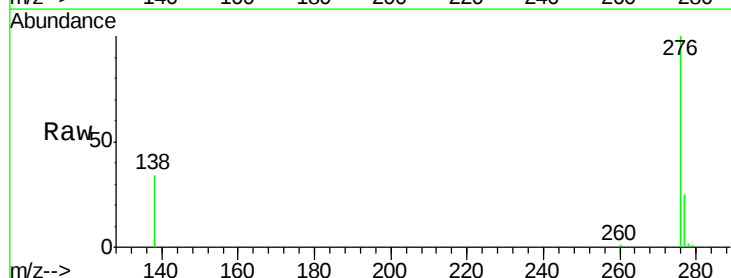
Tgt Ion: 276 Resp: 25689

Ion Ratio Lower Upper

276 100

138 32.3 25.4 38.0

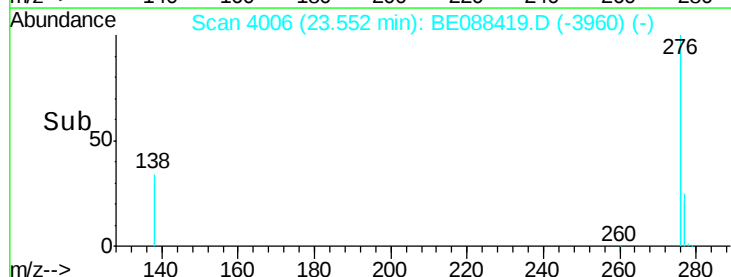
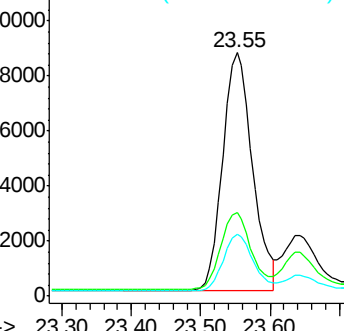
277 24.1 18.6 28.0

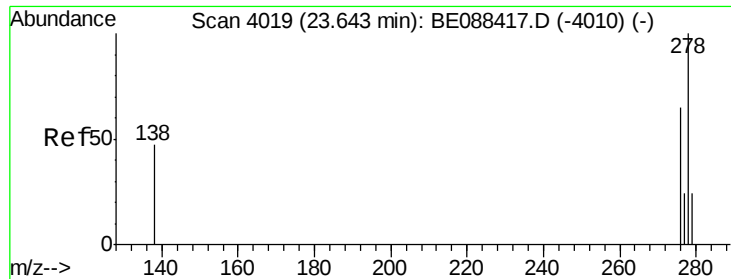


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



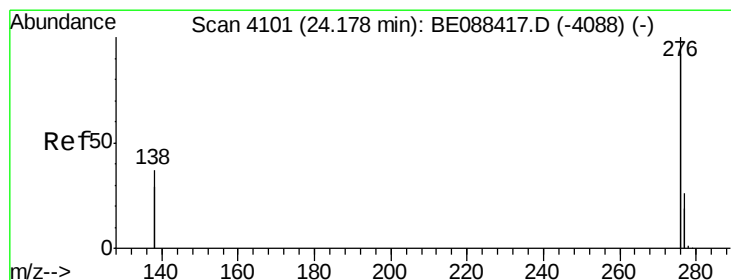
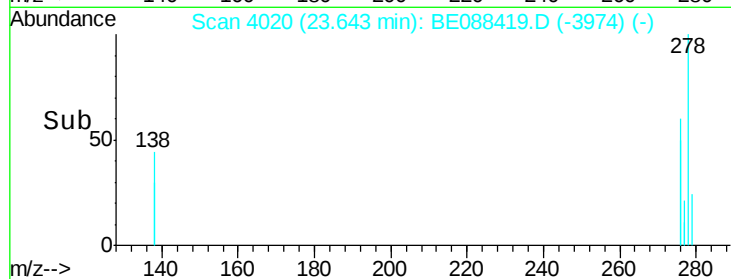
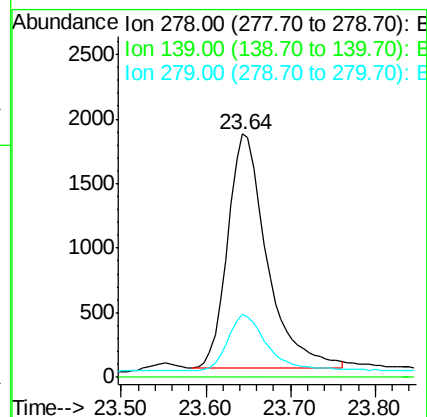
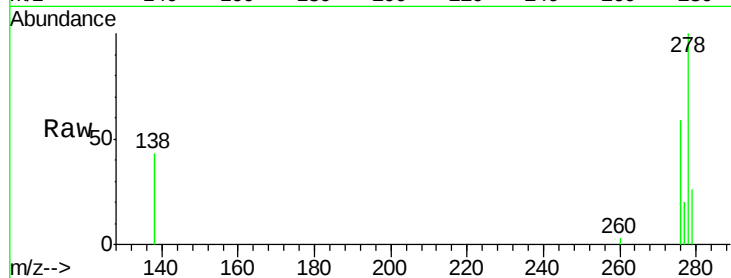


#25
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 23.64 min Scan# 4020
Delta R.T. -0.00 min
Lab File: BE088419.D
Acq: 31 Oct 2014 12:11

Instrument :
BNA_E
ClientSampleId :
X1D04

Tgt Ion: 278 Resp: 5838

Ion	Ratio	Lower	Upper
278	100		
139	0.0	0.0	0.0
279	25.9	22.2	33.2



#26
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 24.17 min Scan# 4101
Delta R.T. -0.01 min
Lab File: BE088419.D
Acq: 31 Oct 2014 12:11

Tgt Ion: 276 Resp: 29679

Ion	Ratio	Lower	Upper
276	100		
277	24.8	21.4	32.2
138	37.9	31.9	47.9

