

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE103114\
 Data File : BE088420.D
 Acq On : 31 Oct 2014 13:20
 Operator : TP/JJ
 Sample : SSTD0.442
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.442

Quant Time: Nov 01 00:59:10 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	2816	0.40	ng/ul	0.00
2) Naphthalene-d8	8.65	136	10789	0.40	ng/ul	0.00
6) Acenaphthene-d10	10.80	164	5116	0.40	ng/ul	0.00
10) Phenanthrene-d10	12.90	188	7414	0.40	ng/ul	0.00
16) Chrysene-d12	18.31	240	4535	0.40	ng/ul	0.00
20) Perylene-d12	21.38	264	3827	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	9.49	152	5025	0.38	ng/ul	0.00
14) Fluoranthene-d10	15.14	212	4873	0.35	ng/ul	0.00

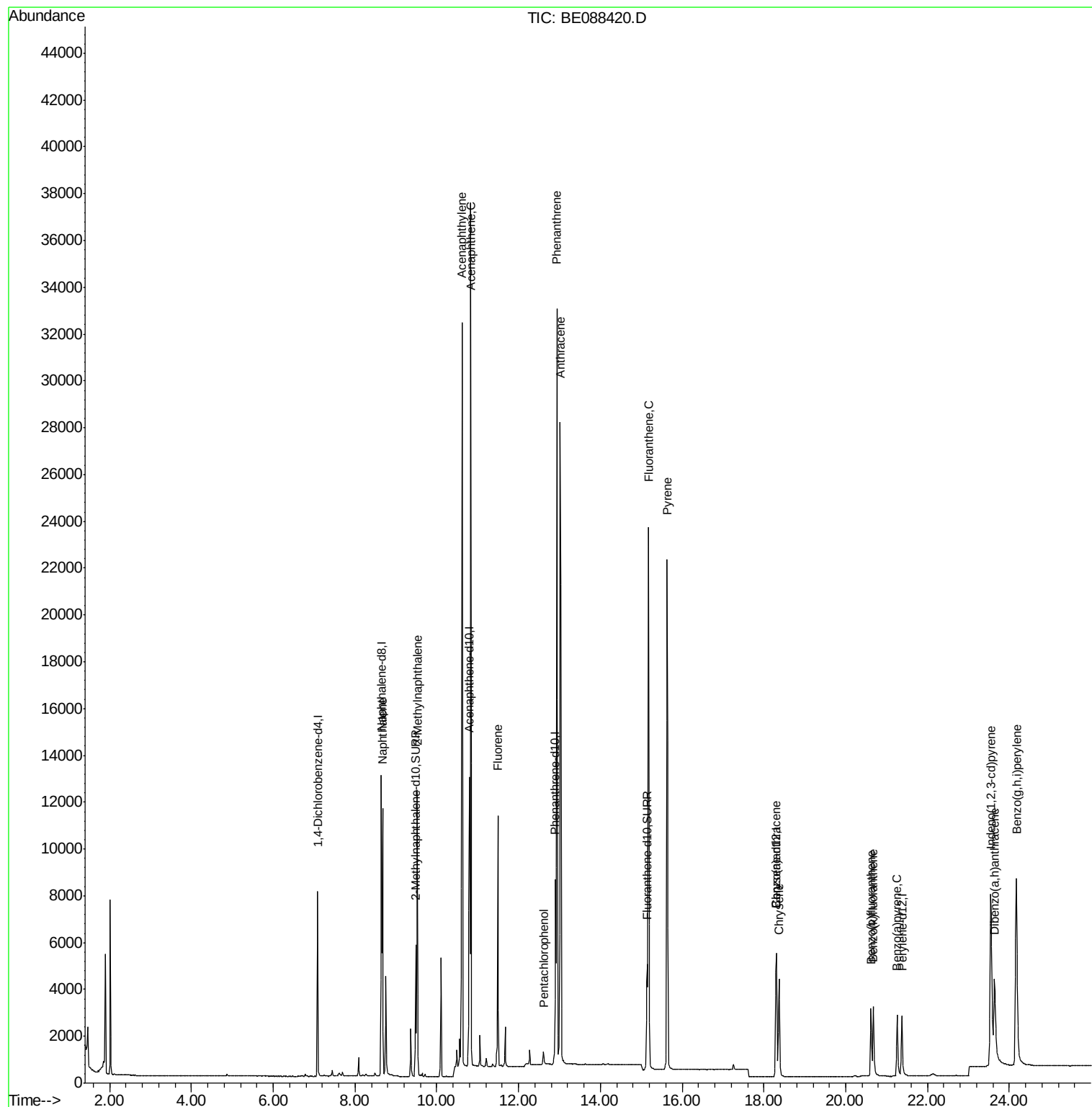
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	8.67	128	10348	0.37	ng/ul	99
5) 2-Methylnaphthalene	9.53	142	6525	0.38	ng/ul	100
7) Acenaphthylene	10.62	152	35660	0.37	ng/ul	97
8) Acenaphthene	10.83	153	22232	0.38	ng/ul	93
9) Fluorene	11.50	166	6012	0.37	ng/ul	94
11) Pentachlorophenol	12.61	266	544	0.32	ng/ul	94
12) Phenanthrene	12.94	178	32794	0.37	ng/ul	96
13) Anthracene	13.02	178	32279	0.38	ng/ul	96
15) Fluoranthene	15.18	202	28491	0.36	ng/ul	100
17) Pyrene	15.63	202	28315	0.39	ng/ul	100
18) Benzo(a)anthracene	18.30	228	5003	0.36	ng/ul	99
19) Chrysene	18.37	228	5235	0.40	ng/ul	99
21) Benzo(b)fluoranthene	20.62	252	4187	0.36	ng/ul	99
22) Benzo(k)fluoranthene	20.67	252	4872	0.41	ng/ul	99
23) Benzo(a)pyrene	21.26	252	4332	0.38	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	23.55	276	14620	0.36	ng/ul	100
25) Dibenzo(a,h)anthracene	23.64	278	3651	0.36	ng/ul	98
26) Benzo(g,h,i)perylene	24.17	276	16984	0.39	ng/ul	97

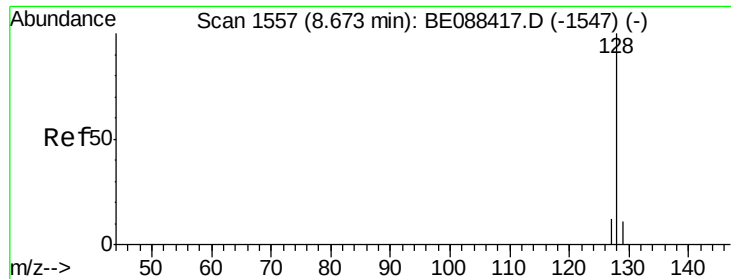
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.37 ng/ul

RT: 8.67 min Scan# 1557

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

Instrument :

BNA_E

ClientSampleId :

SSTD0.442

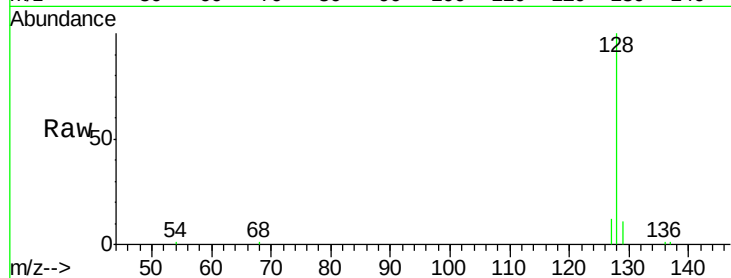
Tgt Ion:128 Resp: 10348

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.4

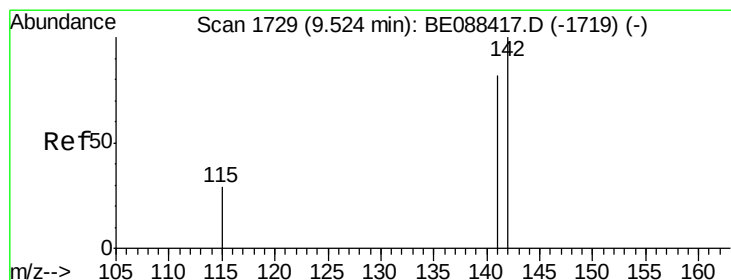
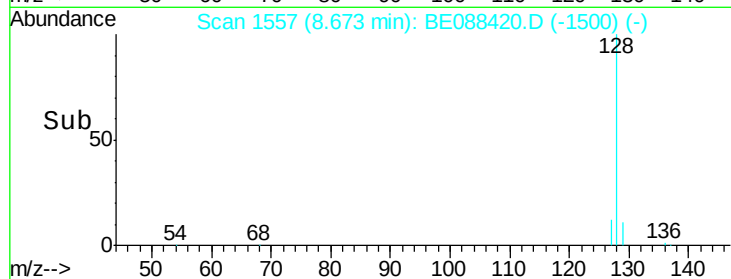
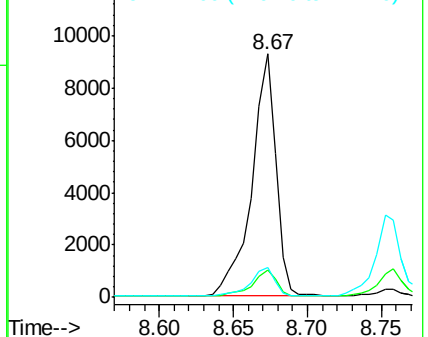
127 12.1 10.3 15.5



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



#5

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 9.53 min Scan# 1729

Delta R.T. 0.00 min

Lab File: BE088420.D

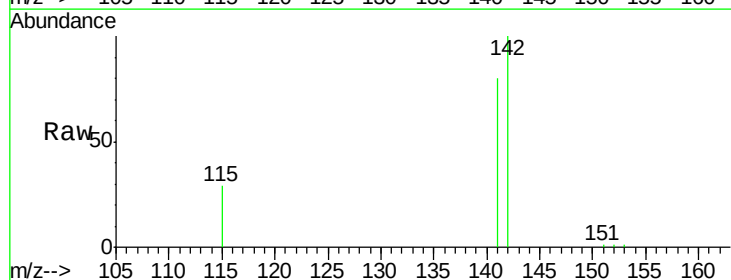
Acq: 31 Oct 2014 13:20

Tgt Ion:142 Resp: 6525

Ion Ratio Lower Upper

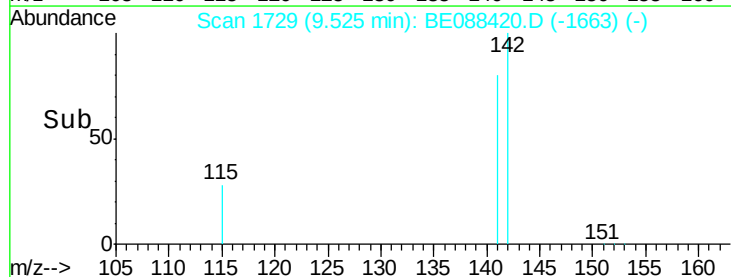
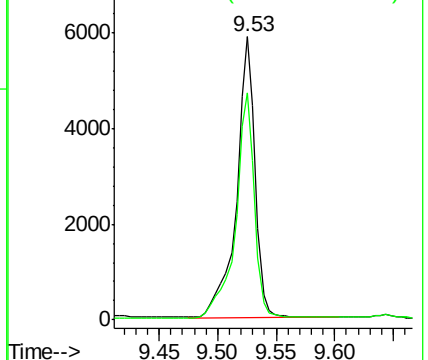
142 100

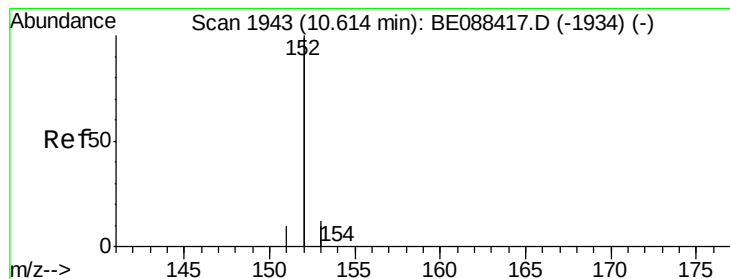
141 81.0 64.6 97.0



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.37 ng/ul

RT: 10.62 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

Instrument :

BNA_E

ClientSampleId :

SSTD0.442

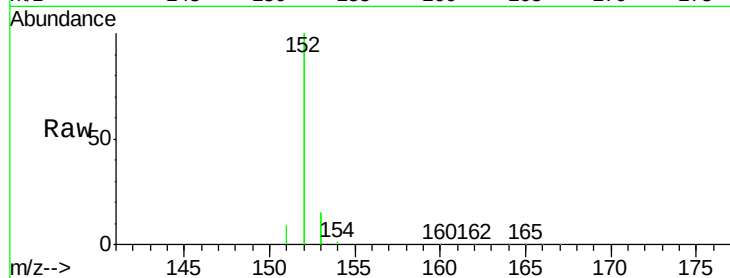
Tgt Ion:152 Resp: 35660

Ion Ratio Lower Upper

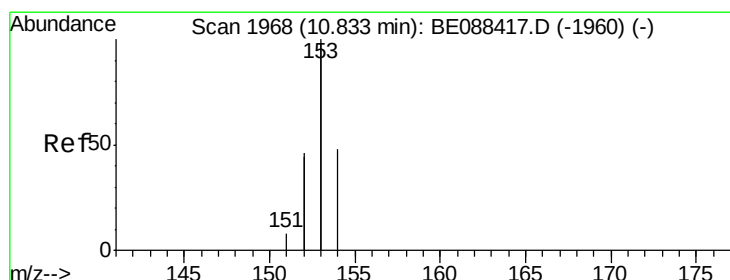
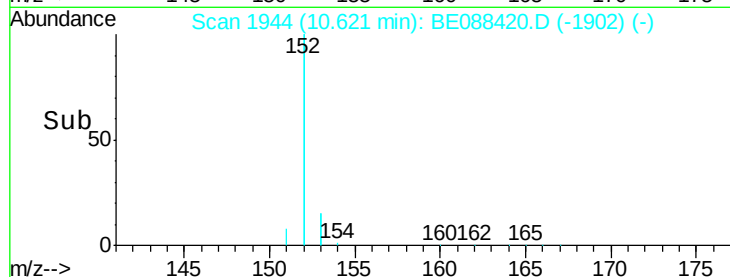
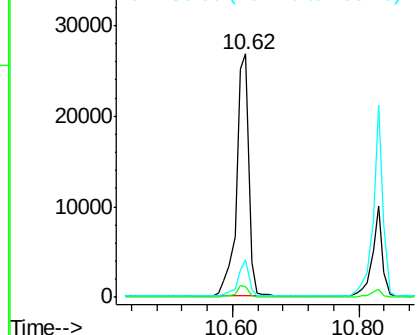
152 100

151 4.3 3.6 5.4

153 15.2 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: 0.38 ng/ul

RT: 10.83 min Scan# 1968

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

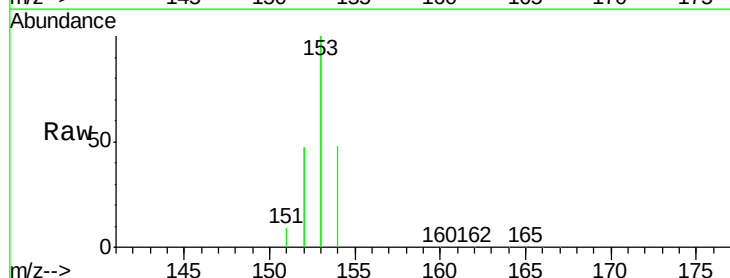
Tgt Ion:153 Resp: 22232

Ion Ratio Lower Upper

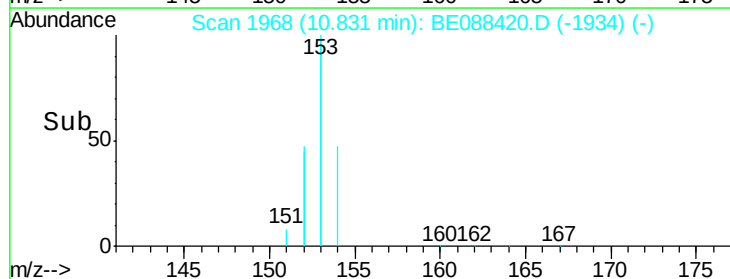
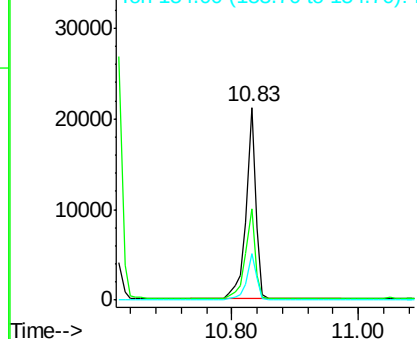
153 100

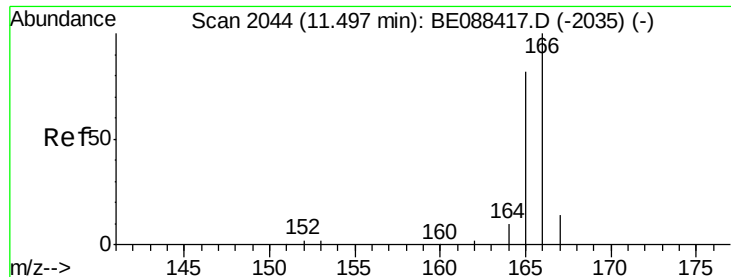
152 47.2 42.7 64.1

154 23.8 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

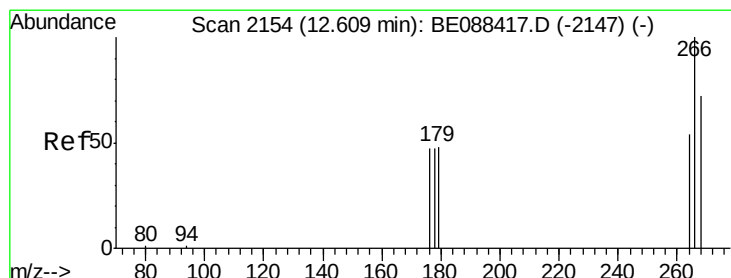
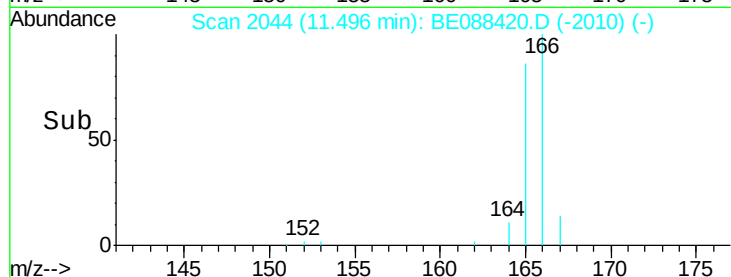
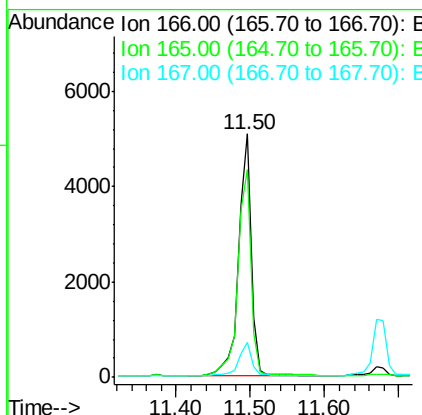
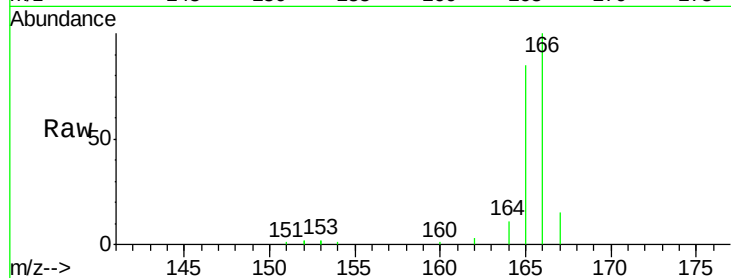




#9
Fluorene
 Concen: 0.37 ng/ul
 RT: 11.50 min Scan# 2044
 Delta R.T. -0.00 min
 Lab File: BE088420.D
 Acq: 31 Oct 2014 13:20

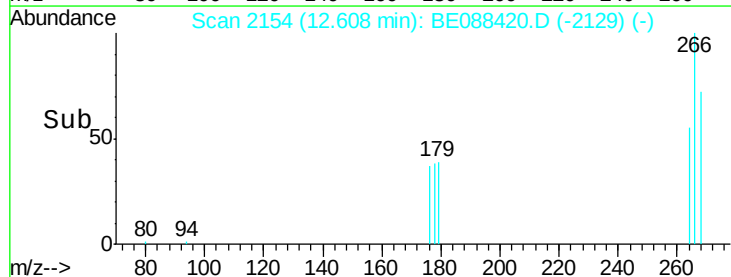
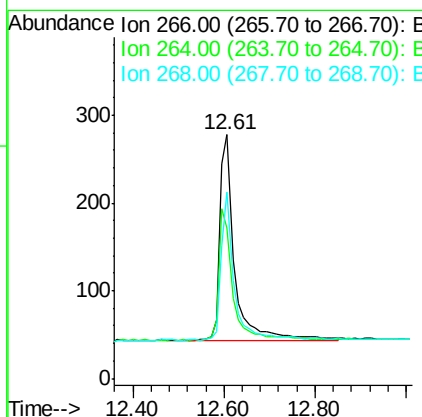
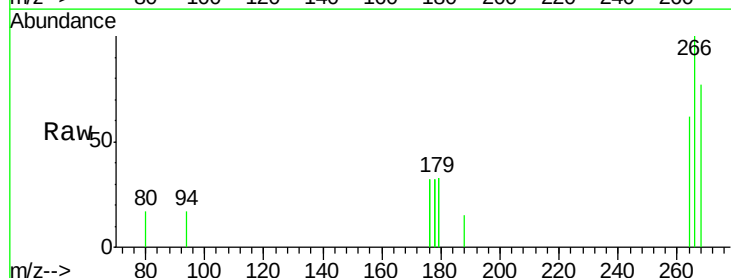
Instrument :
 BNA_E
 ClientSampleId :
 SST0.442

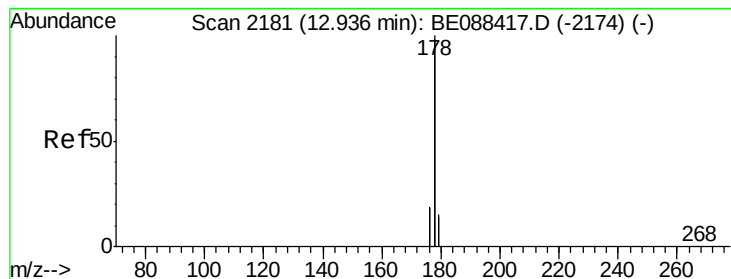
Tgt Ion:166 Resp: 6012
 Ion Ratio Lower Upper
 166 100
 165 85.2 73.0 109.4
 167 14.6 10.8 16.2



#11
Pentachlorophenol
 Concen: 0.32 ng/ul
 RT: 12.61 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: BE088420.D
 Acq: 31 Oct 2014 13:20

Tgt Ion:266 Resp: 544
 Ion Ratio Lower Upper
 266 100
 264 61.6 52.2 78.2
 268 63.6 55.3 82.9





#12

Phenanthrene

Concen: 0.37 ng/ul

RT: 12.94 min Scan# 2181

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

Instrument :

BNA_E

ClientSampleId :

SSTD0.442

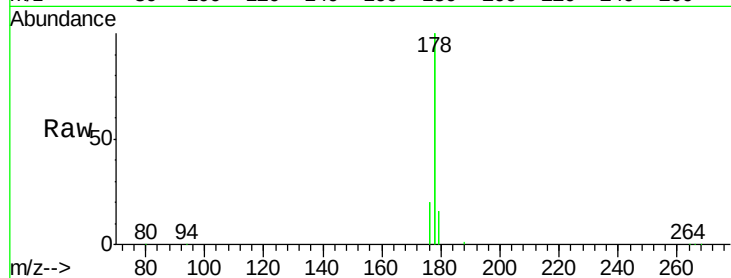
Tgt Ion:178 Resp: 32794

Ion Ratio Lower Upper

178 100

176 19.8 13.9 20.9

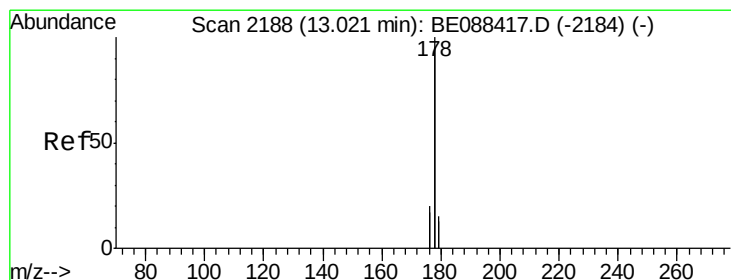
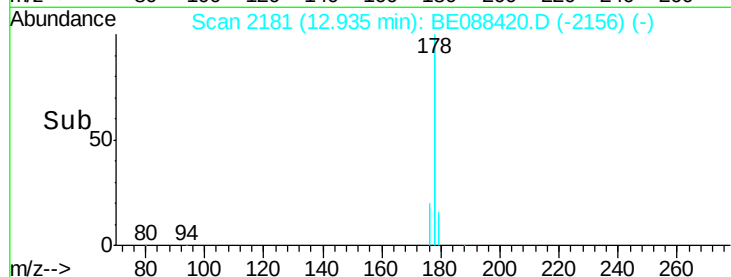
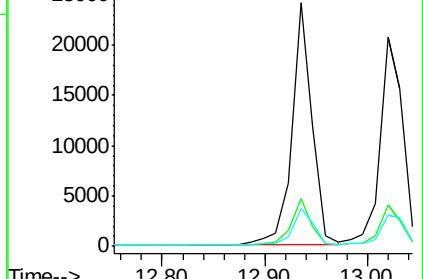
179 15.6 13.5 20.3



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: 0.38 ng/ul

RT: 13.02 min Scan# 2188

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

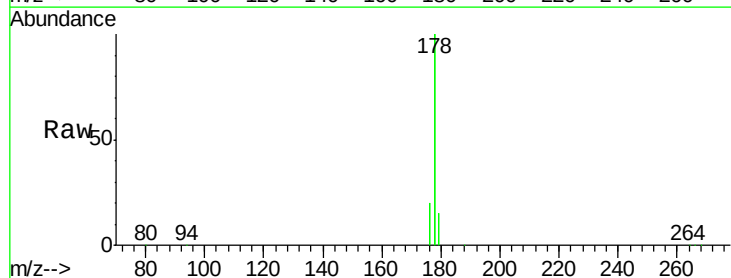
Tgt Ion:178 Resp: 32279

Ion Ratio Lower Upper

178 100

176 19.7 14.1 21.1

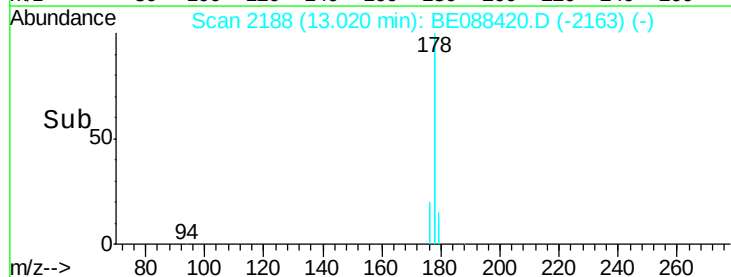
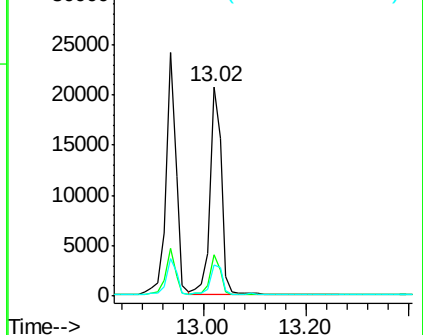
179 14.8 13.3 19.9

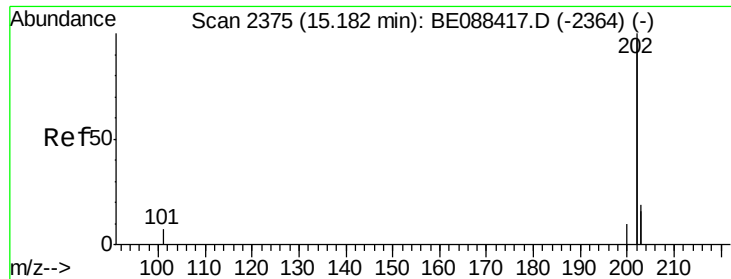


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.36 ng/ul

RT: 15.18 min Scan# 2375

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

Instrument :

BNA_E

ClientSampleId :

SSTD0.442

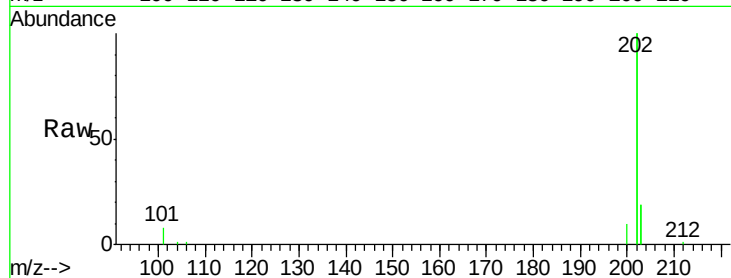
Tgt Ion:202 Resp: 28491

Ion Ratio Lower Upper

202 100

101 3.8 0.0 24.3

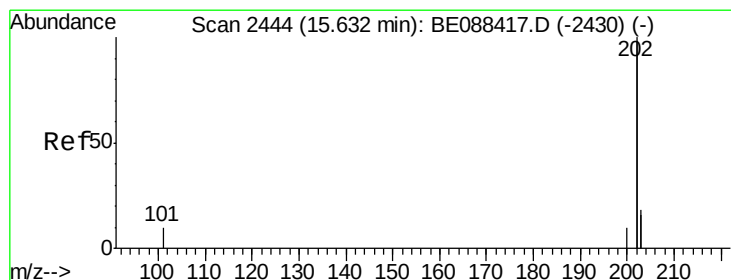
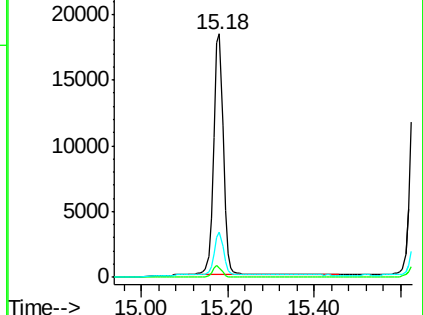
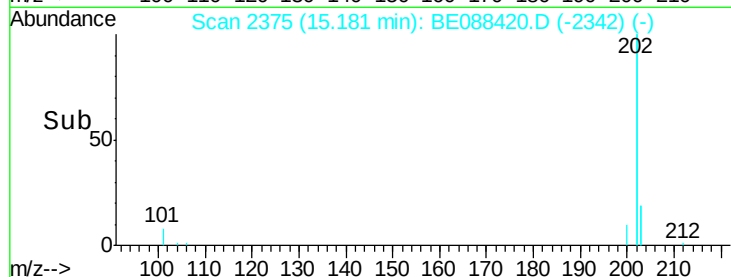
203 18.6 0.0 38.7



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: 0.39 ng/ul

RT: 15.63 min Scan# 2444

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

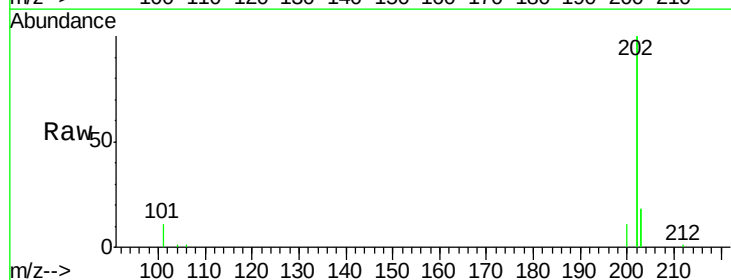
Tgt Ion:202 Resp: 28315

Ion Ratio Lower Upper

202 100

200 5.4 4.3 6.5

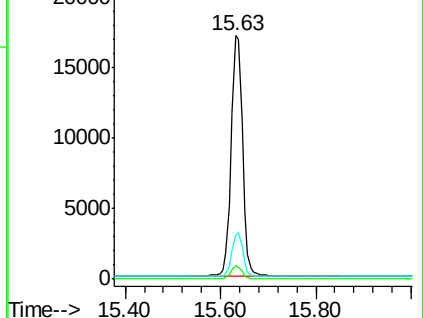
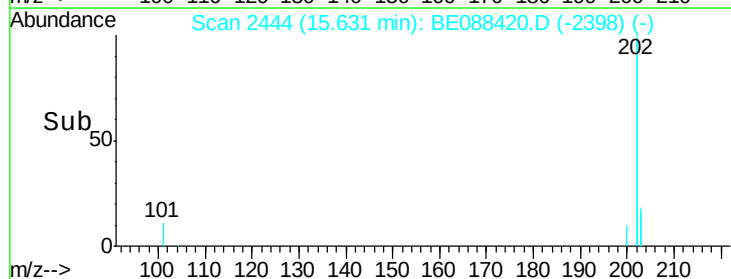
203 18.1 14.4 21.6

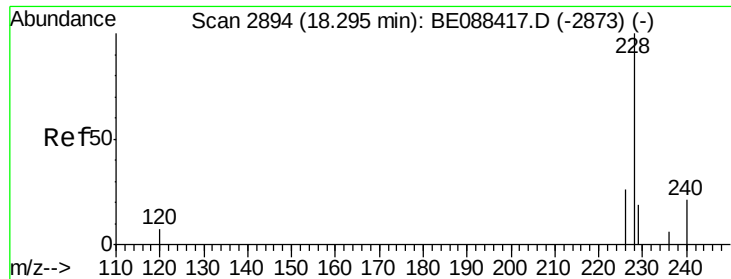


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.36 ng/ul

RT: 18.30 min Scan# 2895

Delta R.T. 0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

Instrument :

BNA_E

ClientSampleId :

SSTD0.442

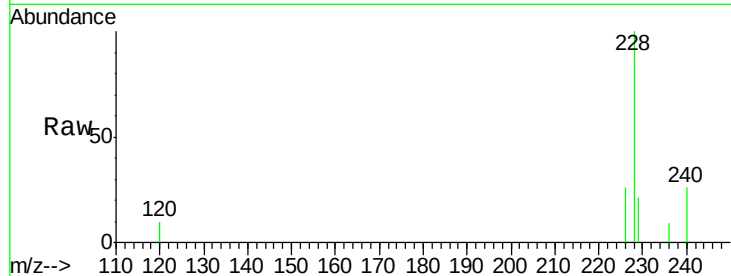
Tgt Ion:228 Resp: 5003

Ion Ratio Lower Upper

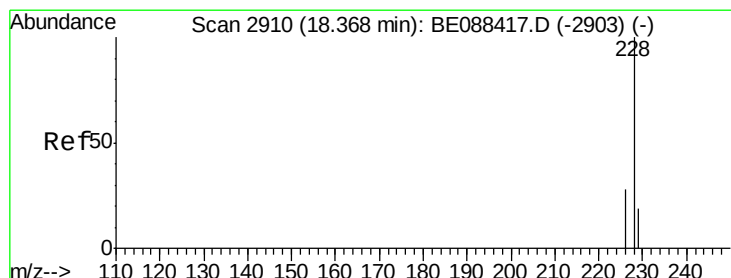
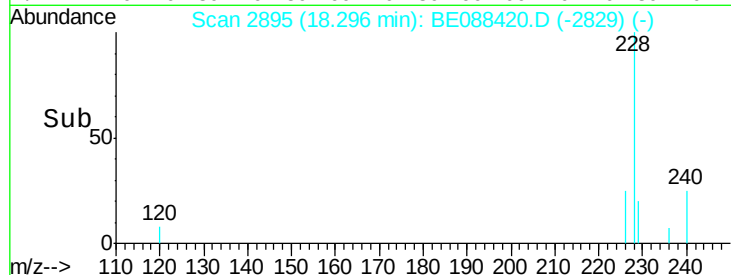
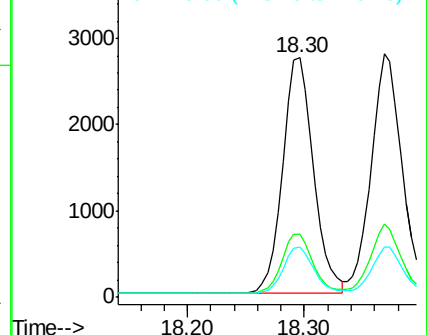
228 100

226 26.1 21.1 31.7

229 20.8 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: 0.40 ng/ul

RT: 18.37 min Scan# 2911

Delta R.T. 0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

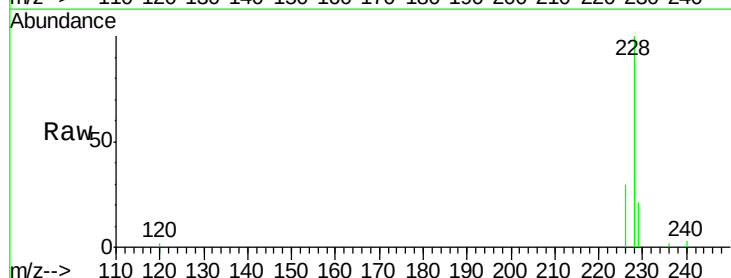
Tgt Ion:228 Resp: 5235

Ion Ratio Lower Upper

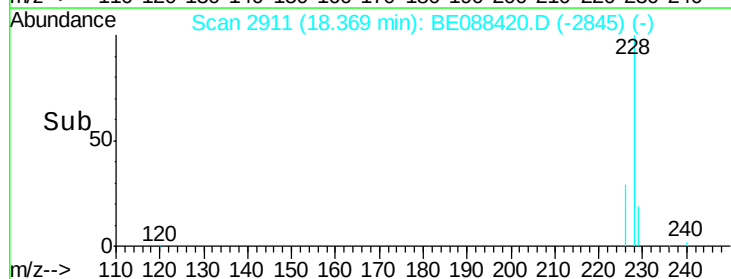
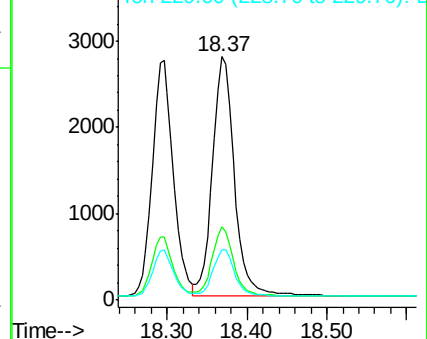
228 100

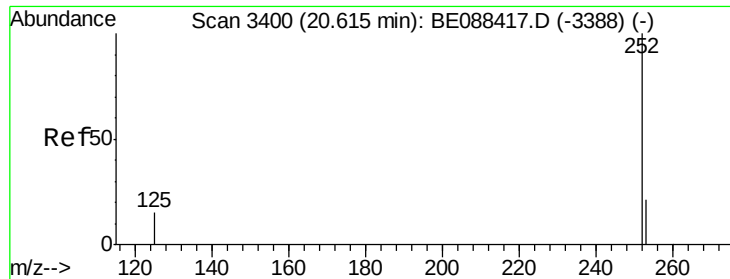
226 29.9 23.1 34.7

229 20.7 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: 0.36 ng/ul

RT: 20.62 min Scan# 3401

Delta R.T. 0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

Instrument :

BNA_E

ClientSampleId :

SSTD0.442

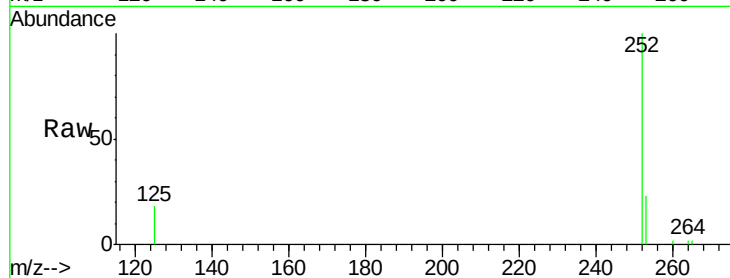
Tgt Ion:252 Resp: 4187

Ion Ratio Lower Upper

252 100

253 23.4 0.0 48.2

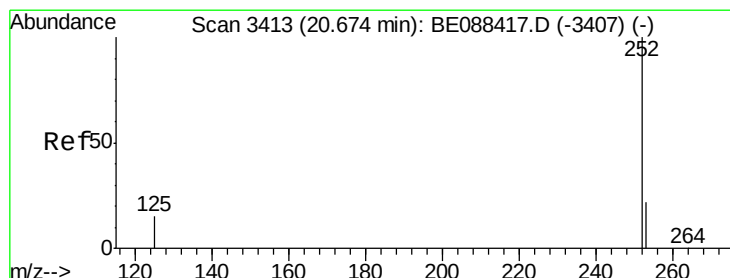
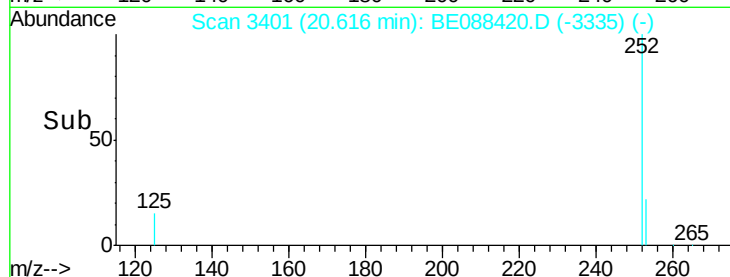
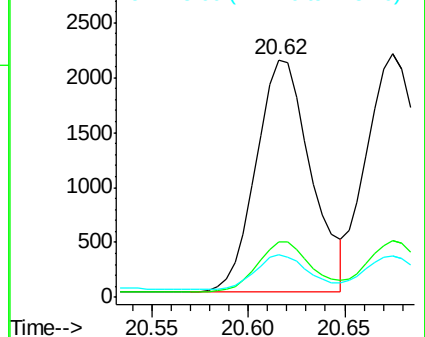
125 17.8 0.0 36.0



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: 0.41 ng/ul

RT: 20.67 min Scan# 3414

Delta R.T. 0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

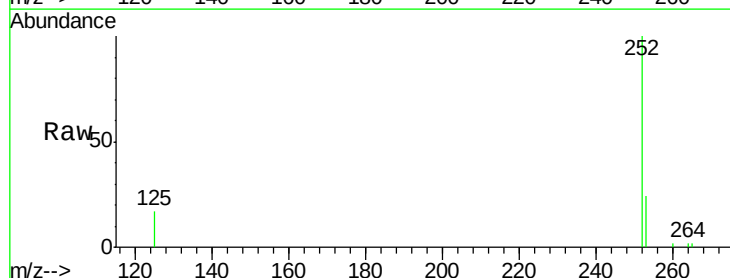
Tgt Ion:252 Resp: 4872

Ion Ratio Lower Upper

252 100

253 23.5 18.8 28.2

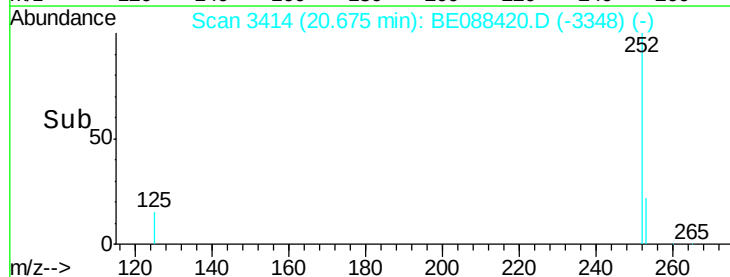
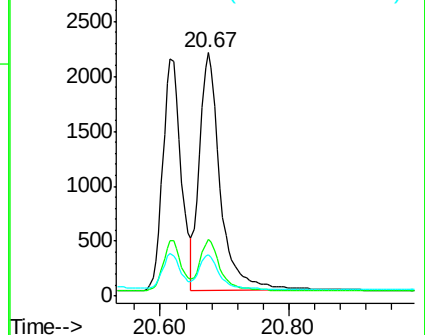
125 17.2 14.3 21.5

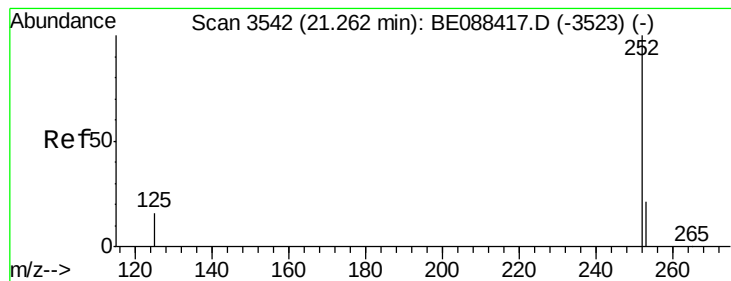


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.38 ng/ul

RT: 21.26 min Scan# 3542

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

Instrument :

BNA_E

ClientSampleId :

SSTD0.442

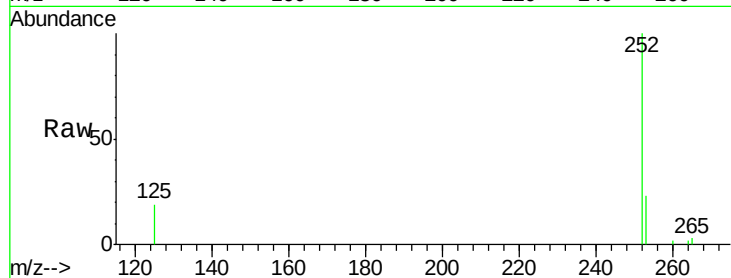
Tgt Ion:252 Resp: 4332

Ion Ratio Lower Upper

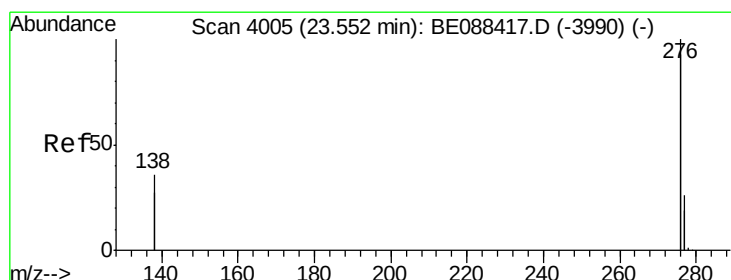
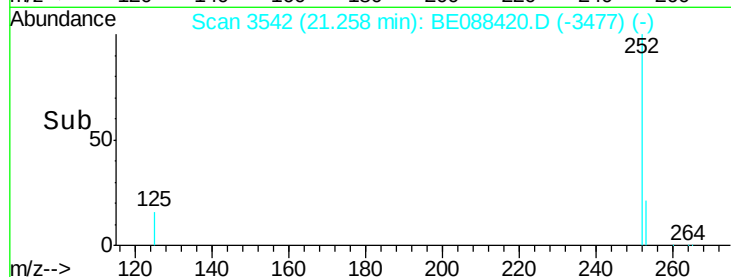
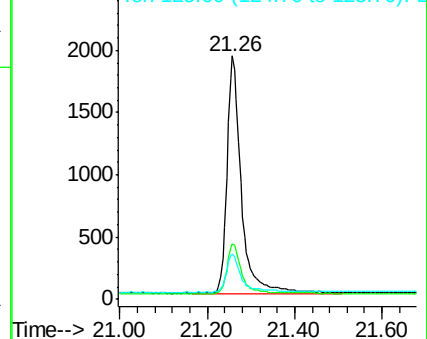
252 100

253 23.0 19.0 28.4

125 18.6 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: 0.36 ng/ul

RT: 23.55 min Scan# 4006

Delta R.T. -0.00 min

Lab File: BE088420.D

Acq: 31 Oct 2014 13:20

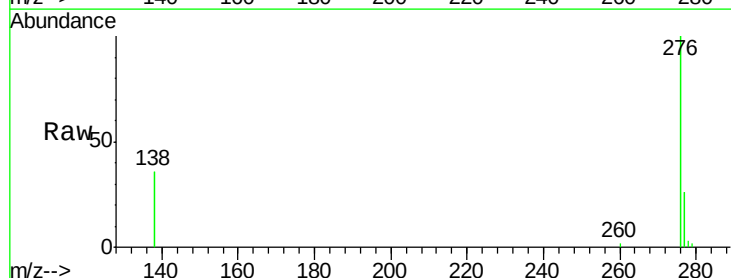
Tgt Ion:276 Resp: 14620

Ion Ratio Lower Upper

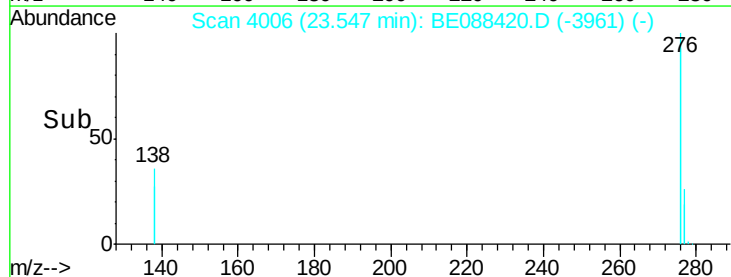
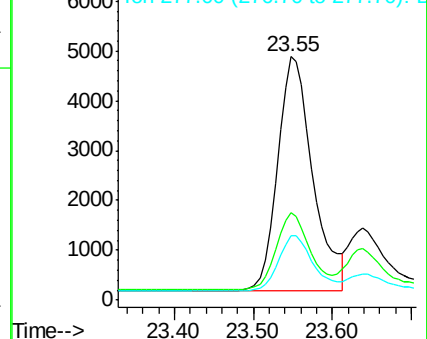
276 100

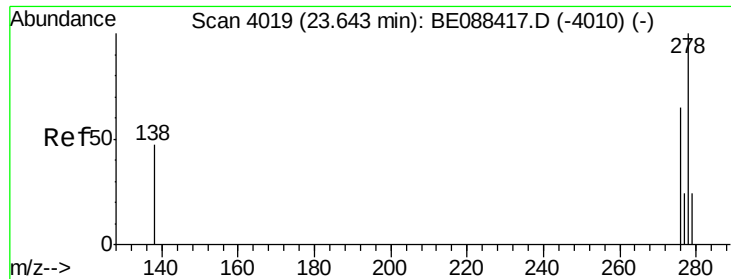
138 31.5 25.4 38.0

277 23.2 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

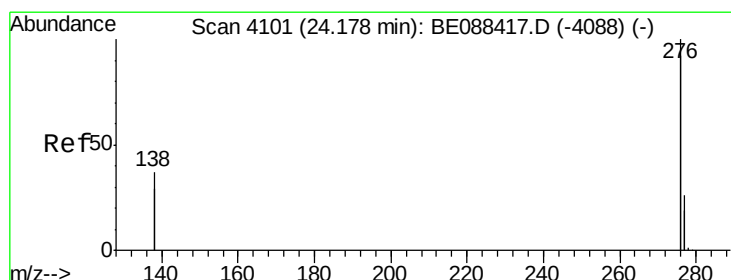
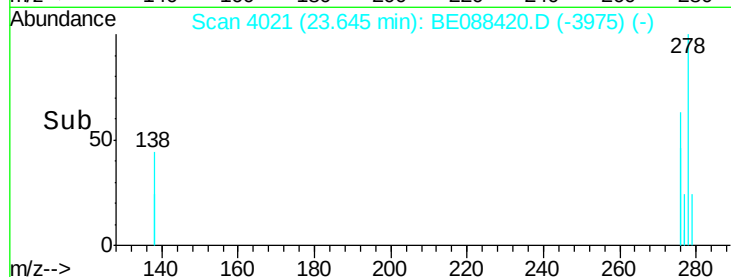
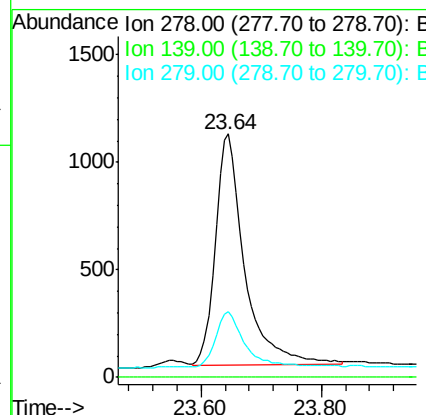
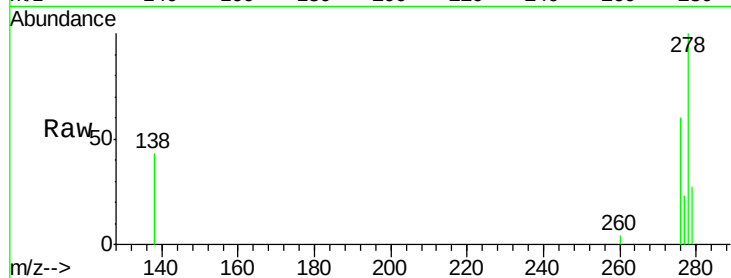




#25
Dibenzo(a,h)anthracene
Concen: 0.36 ng/ul
RT: 23.64 min Scan# 4021
Delta R.T. 0.00 min
Lab File: BE088420.D
Acq: 31 Oct 2014 13:20

Instrument :
BNA_E
ClientSampleId :
SSTD0.442

Tgt Ion: 278 Resp: 3651
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 26.8 22.2 33.2



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 24.17 min Scan# 4102
Delta R.T. -0.00 min
Lab File: BE088420.D
Acq: 31 Oct 2014 13:20

Tgt Ion: 276 Resp: 16984
Ion Ratio Lower Upper
276 100
277 26.4 21.4 32.2
138 37.4 31.9 47.9

