

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE072815\
 Data File : BE090270.D
 Acq On : 28 Jul 2015 14:19
 Operator : TP/IZ
 Sample : SSTD0.845
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :
 SSTD0.845

Quant Time: Jul 29 04:03:43 2015
 Quant Method : Z:\HPCHEM1\BNA_E\METHODS\SOM02.2-EPA-SIM-BE072815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 04:02:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	1056	0.40	ng/ul	0.00
2) Naphthalene-d8	10.35	136	4423	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.20	164	2501	0.40	ng/ul	0.00
10) Phenanthrene-d10	16.94	188	5714	0.40	ng/ul	0.00
16) Chrysene-d12	21.11	240	4337	0.40	ng/ul	0.00
20) Perylene-d12	23.42	264	2623	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	11.94	152	5661	0.85	ng/ul	0.00
14) Fluoranthene-d10	18.96	212	12666	0.80	ng/ul	0.00

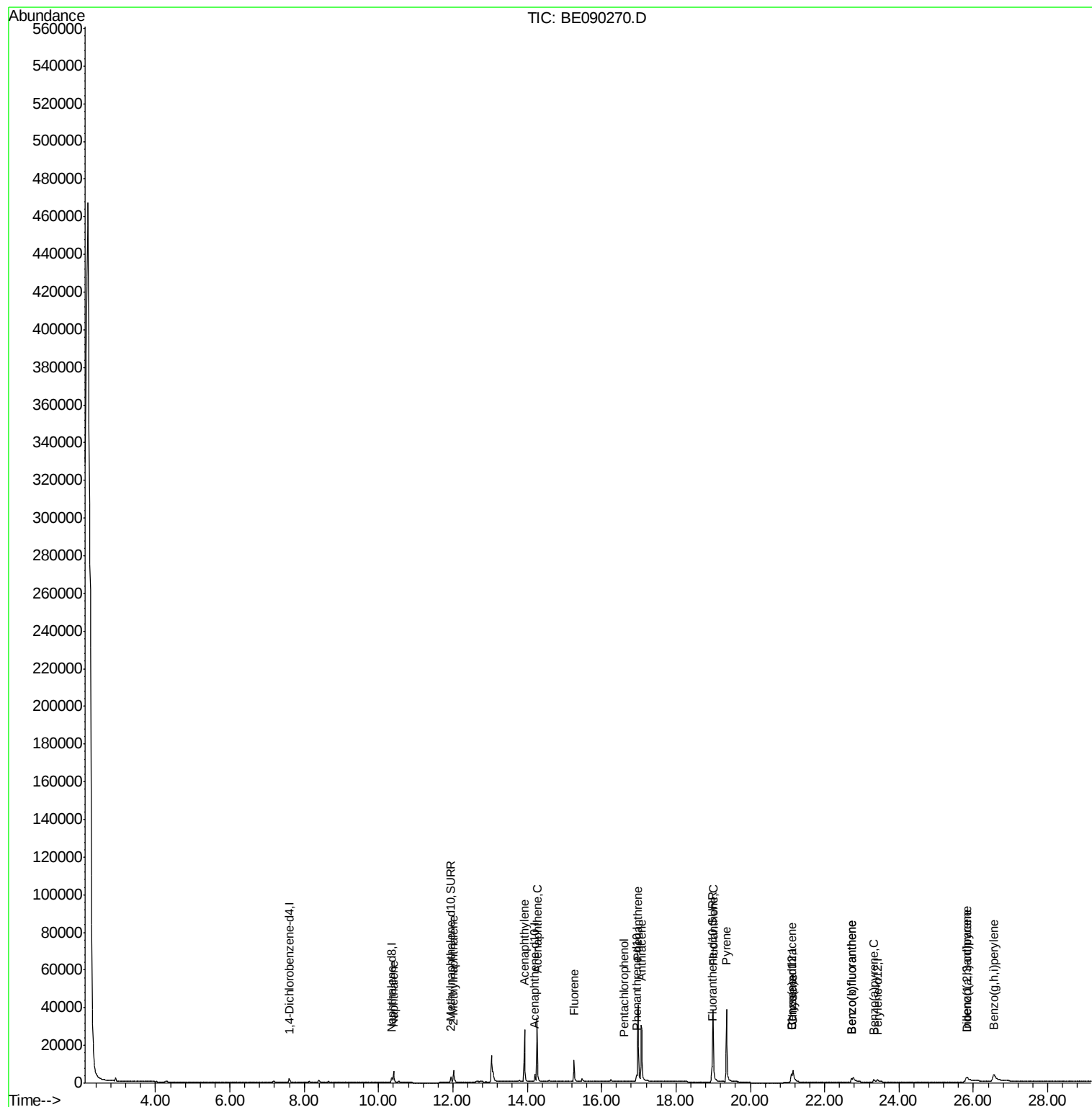
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.40	128	9243	0.79	ng/ul	97
5) 2-Methylnaphthalene	12.02	142	6318	0.85	ng/ul	99
7) Acenaphthylene	13.92	152	41787	0.80	ng/ul	99
8) Acenaphthene	14.26	153	30188	0.79	ng/ul	96
9) Fluorene	15.25	166	8126	0.79	ng/ul	97
11) Pentachlorophenol	16.61	266	289	0.62	ng/ul	91
12) Phenanthrene	16.98	178	50061	0.80	ng/ul	97
13) Anthracene	17.06	178	49401	0.79	ng/ul	97
15) Fluoranthene	19.00	202	56625	0.78	ng/ul	98
17) Pyrene	19.36	202	57636	0.78	ng/ul	100
18) Benzo(a)anthracene	21.10	228	5363	0.78	ng/ul	96
19) Chrysene	21.15	228	13542	0.70	ng/ul	100
21) Benzo(b)fluoranthene	22.72	252	2954	0.72	ng/ul	94
22) Benzo(k)fluoranthene	22.72	252	2954	0.22	ng/ul	97
23) Benzo(a)pyrene	23.32	252	5701	1.01	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	25.81	276	14047	0.85	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.83	278	1228	0.49	ng/ul#	86
26) Benzo(g,h,i)perylene	26.55	276	19626	0.78	ng/ul	93

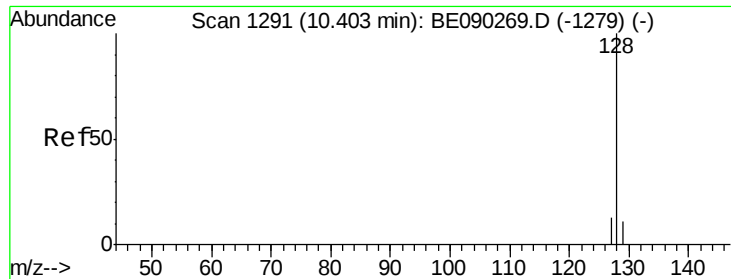
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.79 ng/ul

RT: 10.40 min Scan# 1291

Delta R.T. -0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Instrument :

BNA_E

ClientSampleId :

SSTD0.845

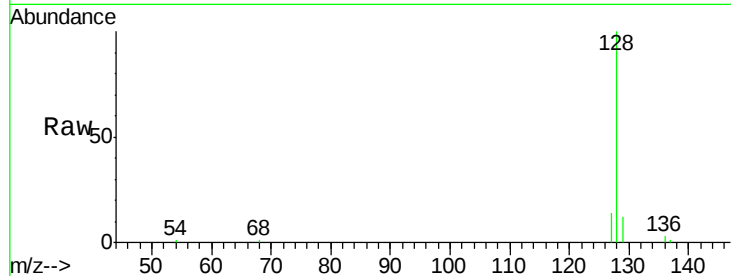
Tgt Ion:128 Resp: 9243

Ion Ratio Lower Upper

128 100

129 11.6 10.4 15.6

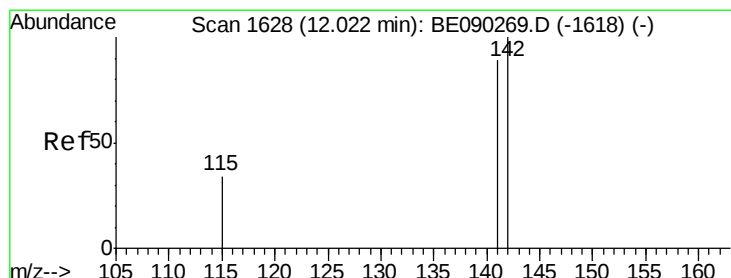
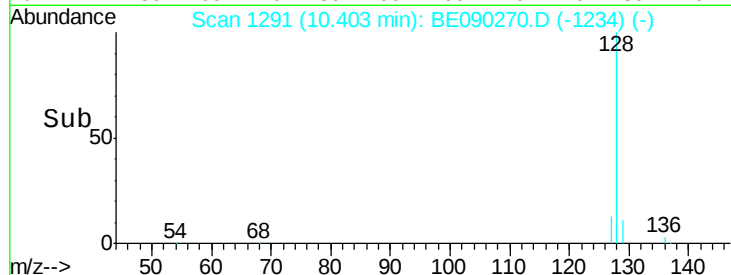
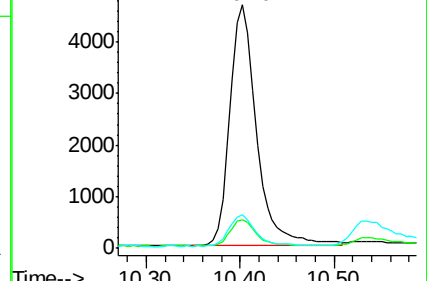
127 13.6 12.1 18.1



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



#5

2-Methylnaphthalene

Concen: 0.85 ng/ul

RT: 12.02 min Scan# 1627

Delta R.T. -0.01 min

Lab File: BE090270.D

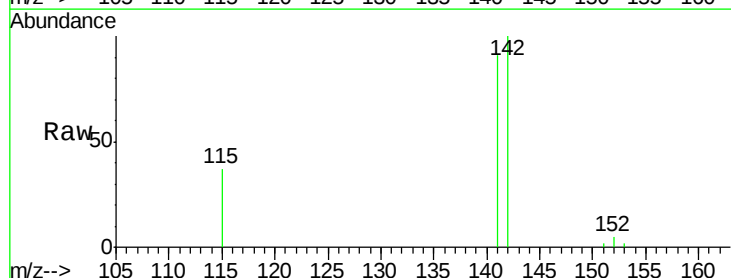
Acq: 28 Jul 2015 14:19

Tgt Ion:142 Resp: 6318

Ion Ratio Lower Upper

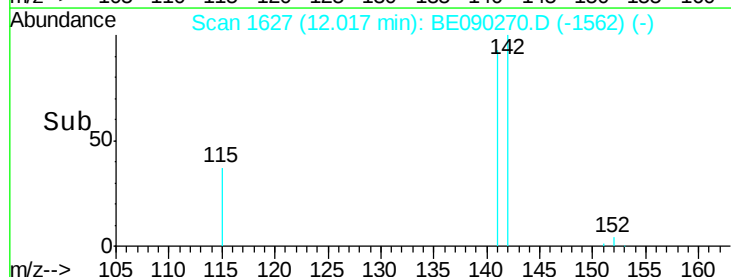
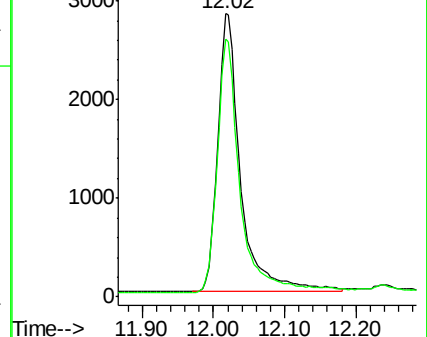
142 100

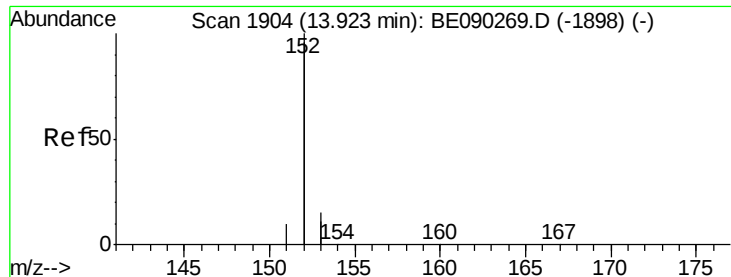
141 91.9 73.0 109.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.80 ng/ul

RT: 13.92 min Scan# 1904

Delta R.T. 0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

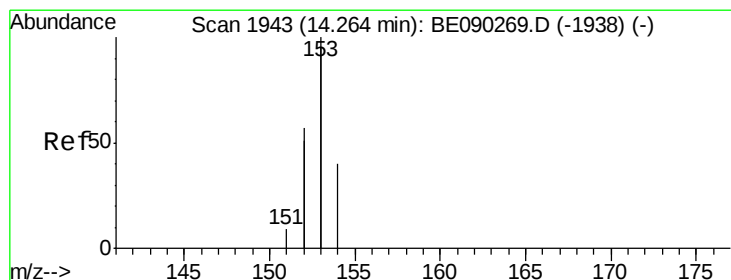
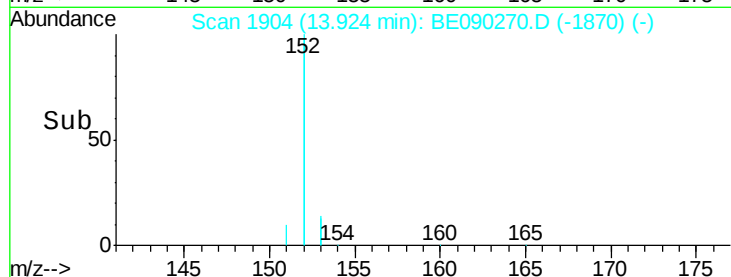
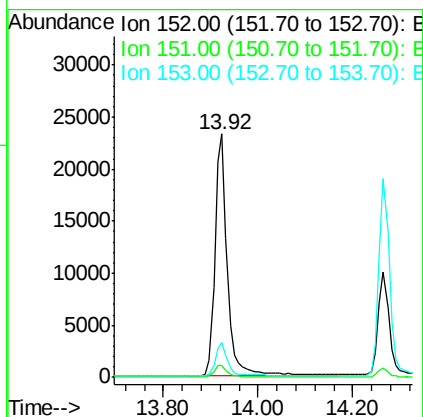
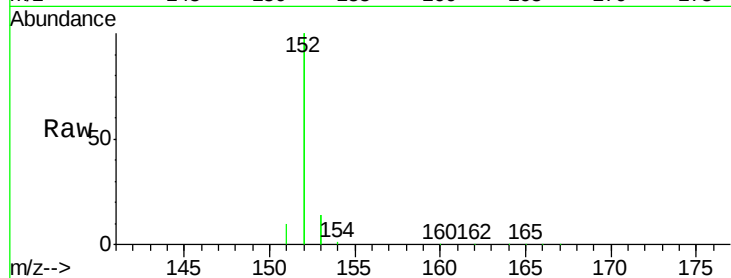
Instrument :

BNA_E

ClientSampleId :

SSTD0.845

Tgt Ion:	152	Resp:	41787
Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.3	6.5
153	14.2	11.9	17.9



#8

Acenaphthene

Concen: 0.79 ng/ul

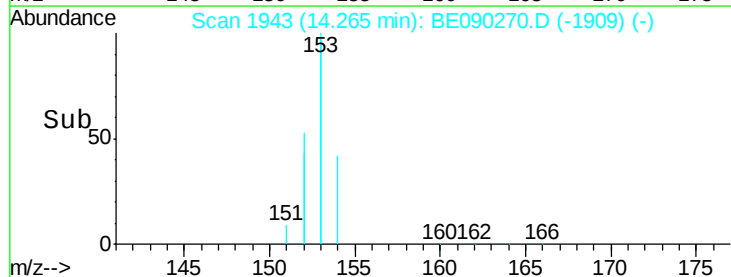
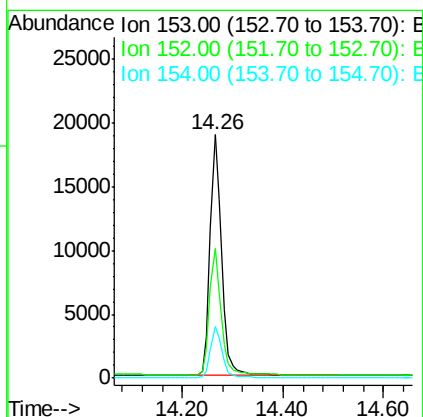
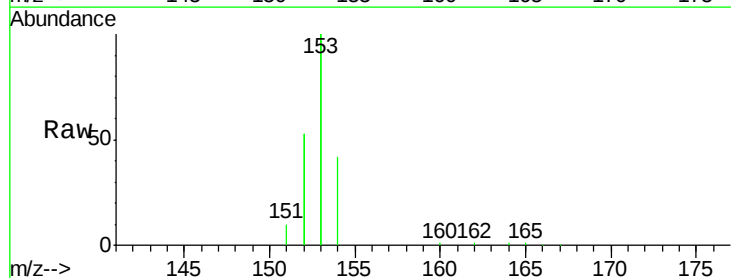
RT: 14.26 min Scan# 1943

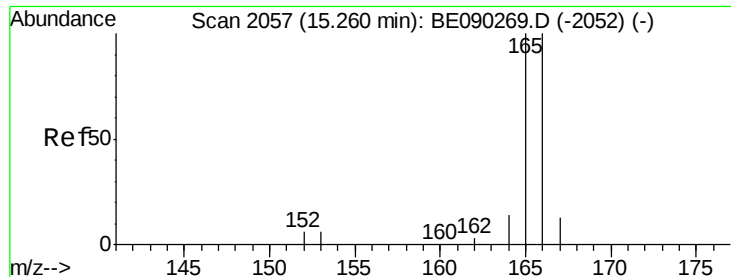
Delta R.T. 0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Tgt Ion:	153	Resp:	30188
Ion	Ratio	Lower	Upper
153	100		
152	53.3	45.7	68.5
154	21.2	16.4	24.6





#9

Fluorene

Concen: 0.79 ng/ul

RT: 15.25 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

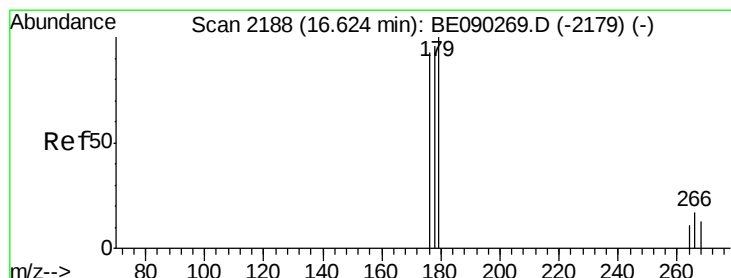
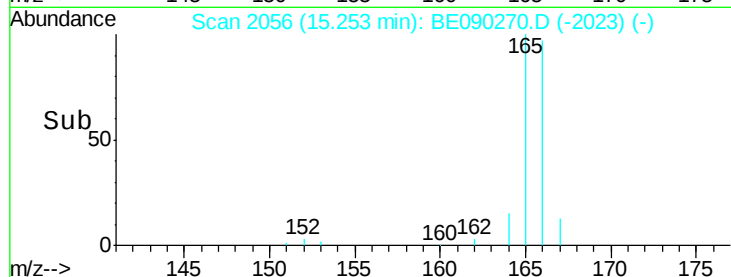
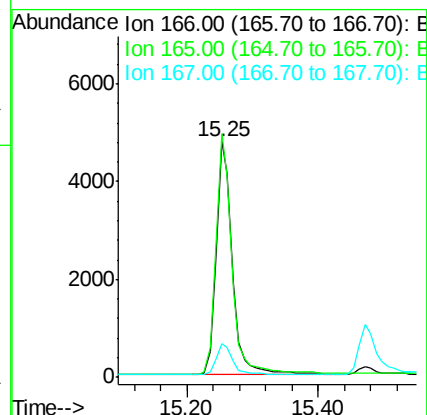
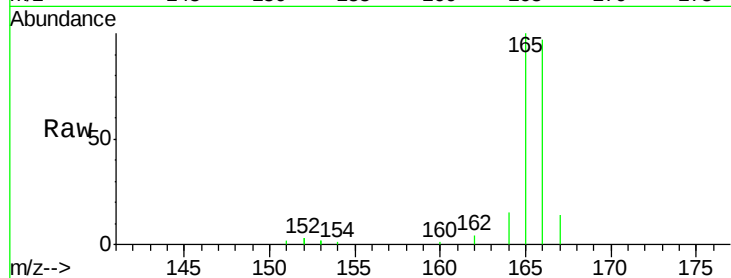
Instrument :

BNA_E

ClientSampleId :

SSTD0.845

Tgt Ion:	166	Resp:	8126
Ion	Ratio	Lower	Upper
166	100		
165	103.4	80.3	120.5
167	14.2	12.4	18.6



#11

Pentachlorophenol

Concen: 0.62 ng/ul

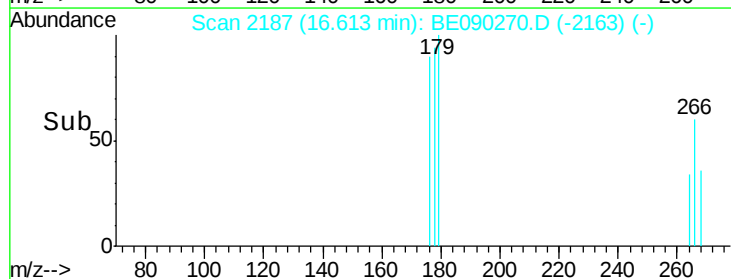
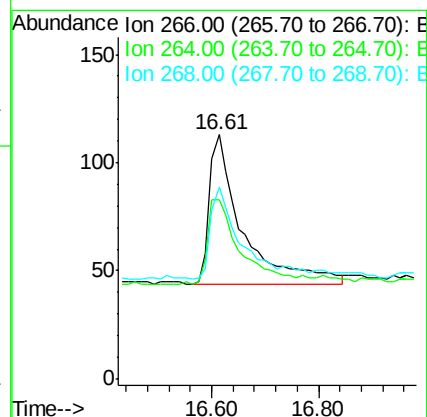
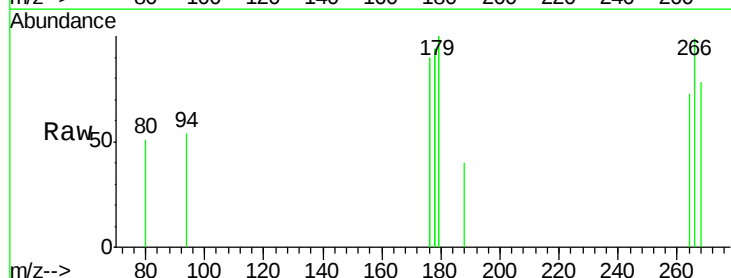
RT: 16.61 min Scan# 2187

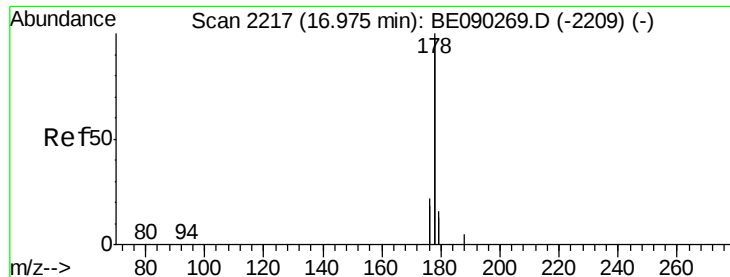
Delta R.T. -0.01 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Tgt Ion:	266	Resp:	289
Ion	Ratio	Lower	Upper
266	100		
264	57.8	43.4	65.0
268	65.4	44.6	66.8





#12

Phenanthrene

Concen: 0.80 ng/ul

RT: 16.98 min Scan# 2217

Delta R.T. 0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Instrument :

BNA_E

ClientSampleId :

SSTD0.845

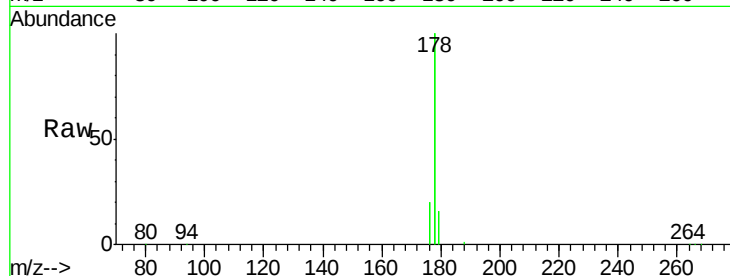
Tgt Ion:178 Resp: 50061

Ion Ratio Lower Upper

178 100

176 19.7 17.3 25.9

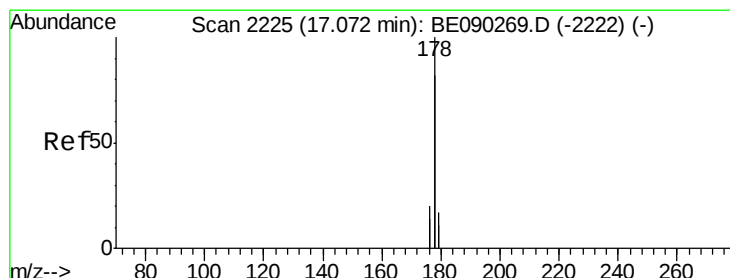
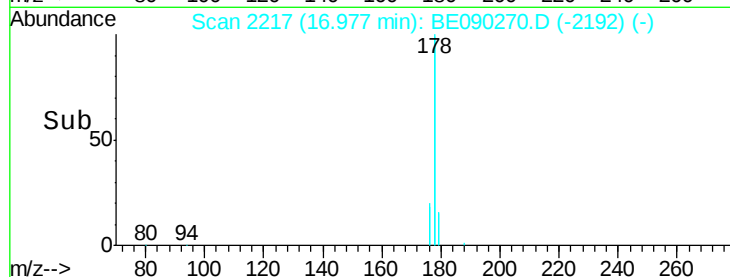
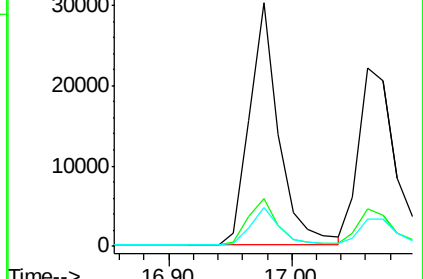
179 16.0 13.1 19.7



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



#13

Anthracene

Concen: 0.79 ng/ul

RT: 17.06 min Scan# 2224

Delta R.T. -0.01 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

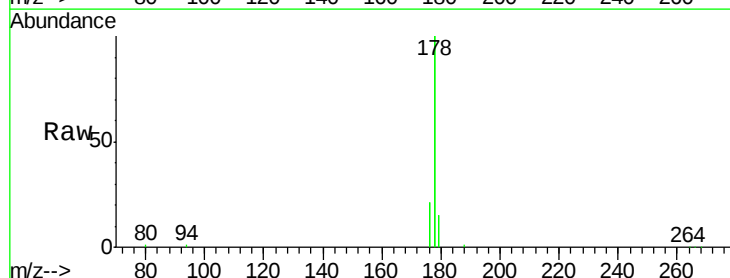
Tgt Ion:178 Resp: 49401

Ion Ratio Lower Upper

178 100

176 21.0 16.4 24.6

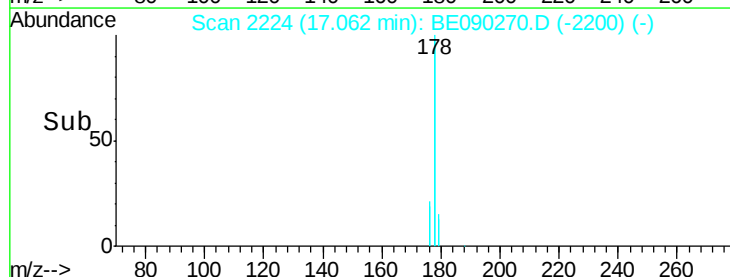
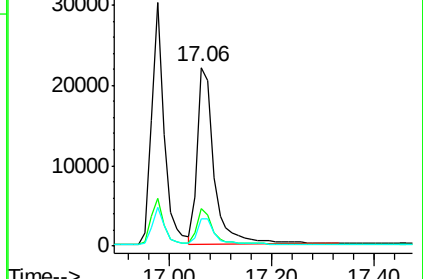
179 15.1 13.9 20.9

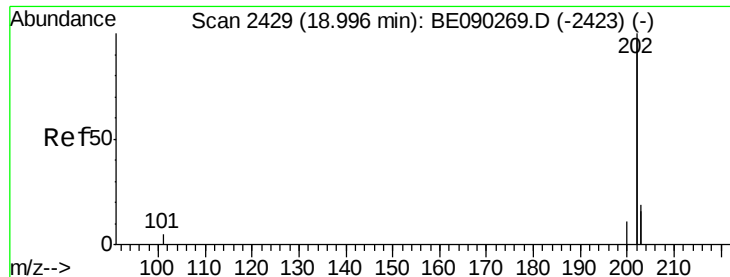


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.78 ng/ul

RT: 19.00 min Scan# 2429

Delta R.T. 0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Instrument :

BNA_E

ClientSampleId :

SSTD0.845

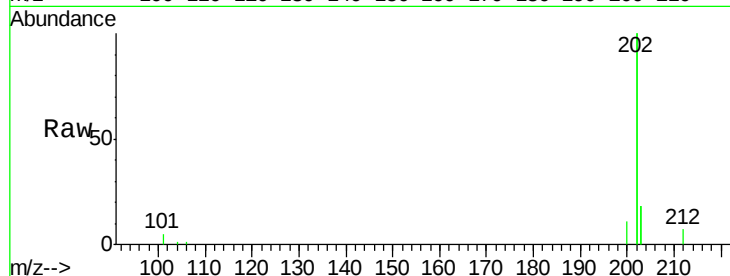
Tgt Ion:202 Resp: 56625

Ion Ratio Lower Upper

202 100

101 2.5 0.0 22.9

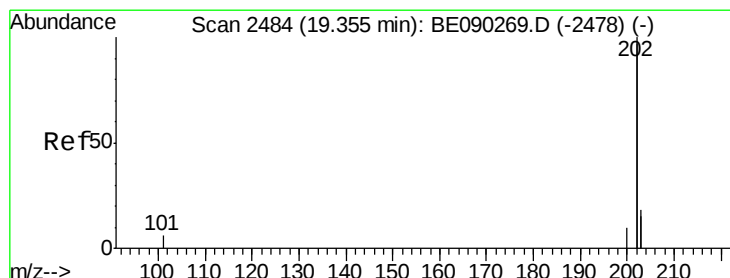
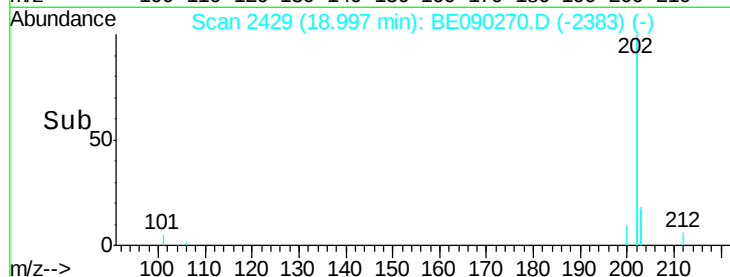
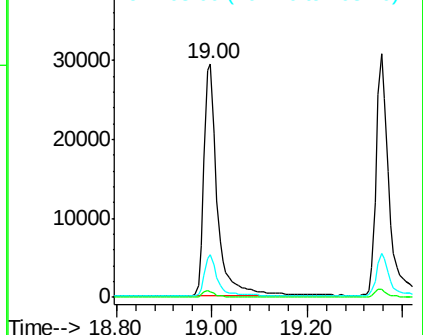
203 18.2 0.0 39.0



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: 0.78 ng/ul

RT: 19.36 min Scan# 2484

Delta R.T. 0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

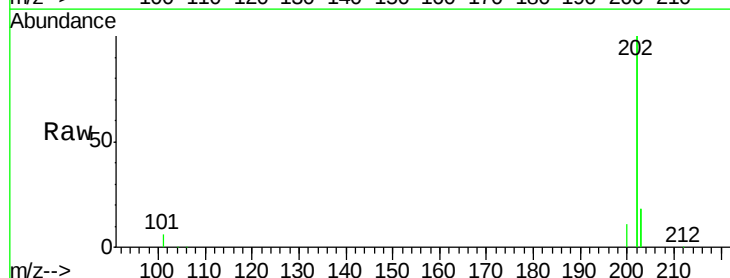
Tgt Ion:202 Resp: 57636

Ion Ratio Lower Upper

202 100

200 5.3 4.5 6.7

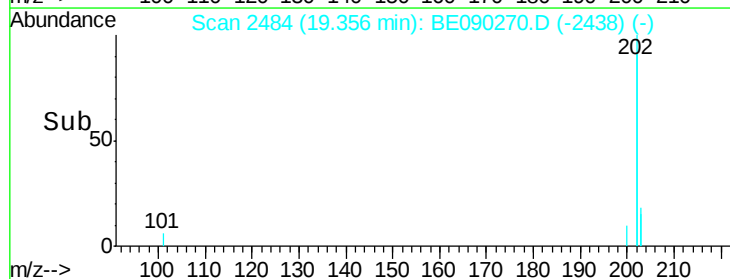
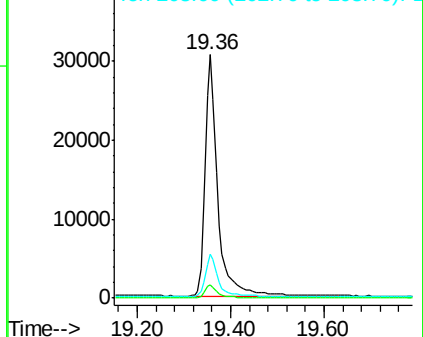
203 18.0 14.4 21.6

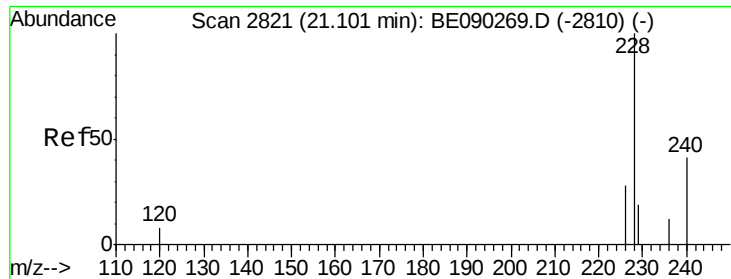


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.78 ng/ul

RT: 21.10 min Scan# 2819

Delta R.T. -0.01 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Instrument :

BNA_E

ClientSampleId :

SSTD0.845

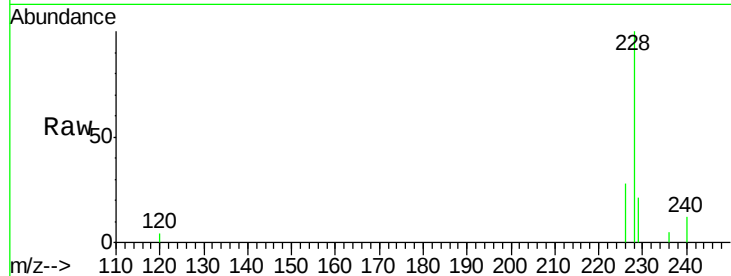
Tgt Ion:228 Resp: 5363

Ion Ratio Lower Upper

228 100

226 28.2 24.6 36.8

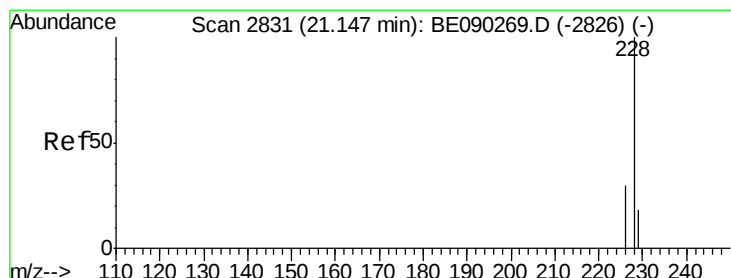
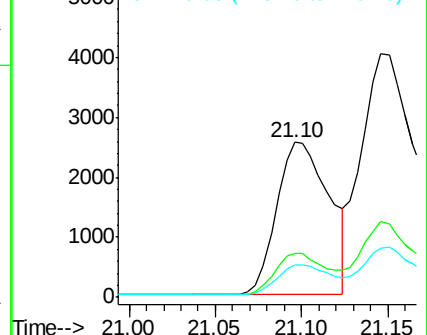
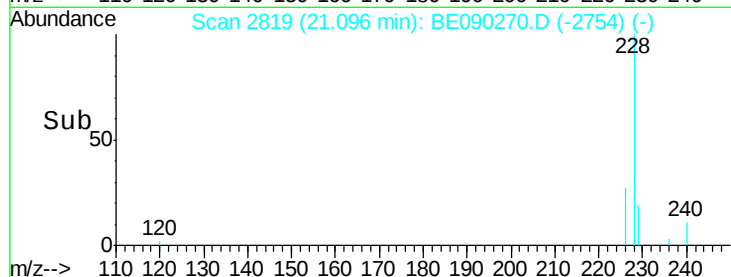
229 20.9 17.9 26.9



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: 0.70 ng/ul

RT: 21.15 min Scan# 2830

Delta R.T. -0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

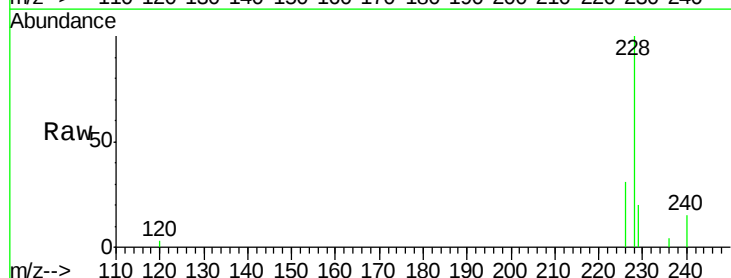
Tgt Ion:228 Resp: 13542

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.4

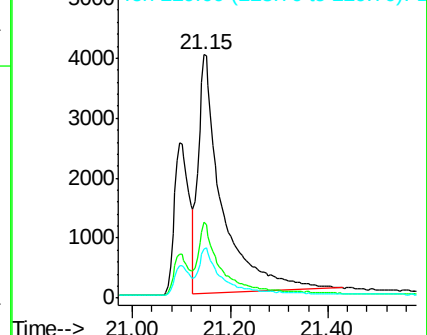
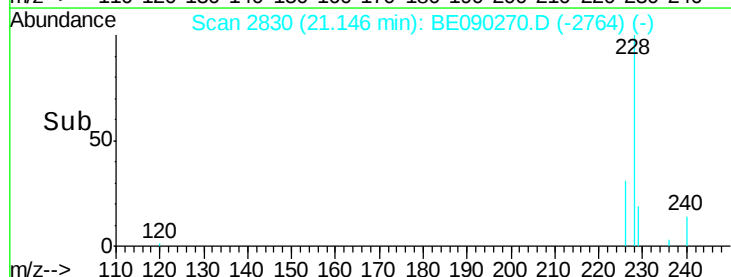
229 20.3 16.6 24.8

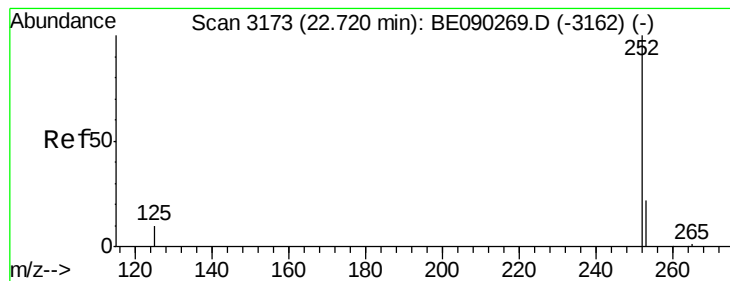


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.72 ng/u1

RT: 22.72 min Scan# 3172

Delta R.T. -0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Instrument :

BNA_E

ClientSampleId :

SSTD0.845

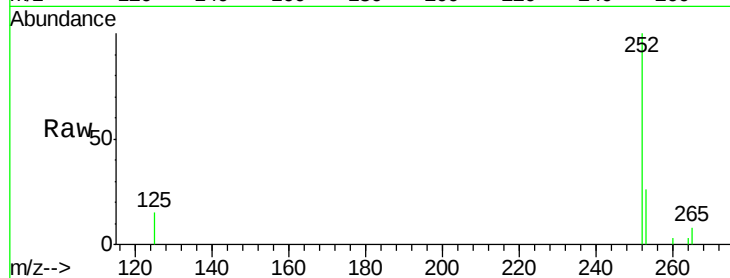
Tgt Ion:252 Resp: 2954

Ion Ratio Lower Upper

252 100

253 25.5 0.0 57.2

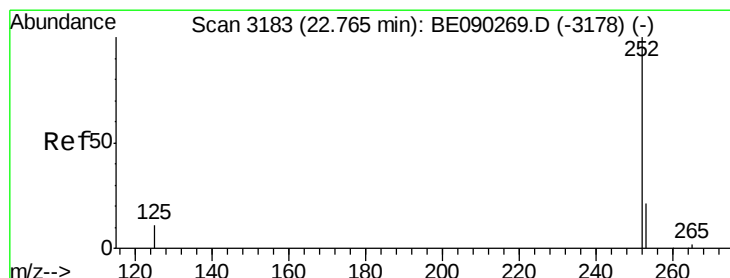
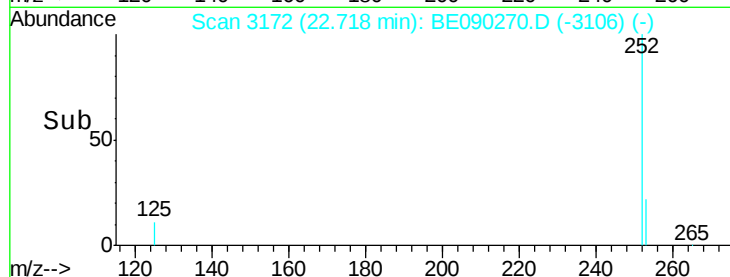
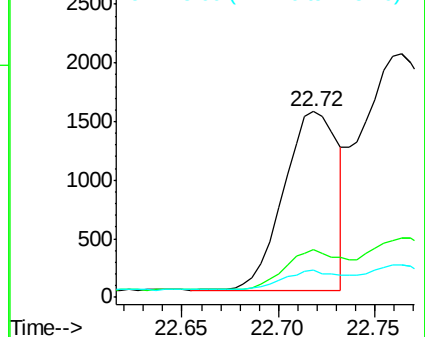
125 14.6 0.0 34.6



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



#22

Benzo(k)fluoranthene

Concen: 0.22 ng/u1

RT: 22.72 min Scan# 3172

Delta R.T. -0.05 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

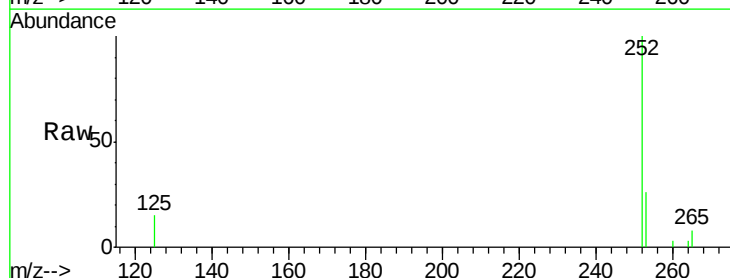
Tgt Ion:252 Resp: 2954

Ion Ratio Lower Upper

252 100

253 25.5 21.3 31.9

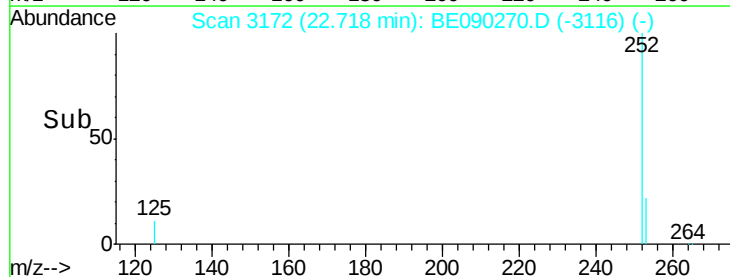
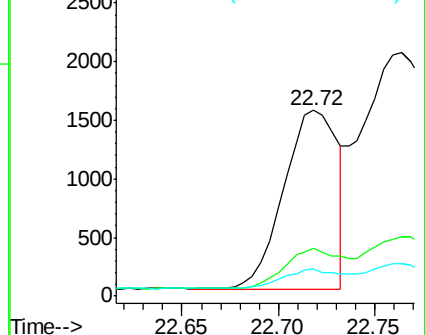
125 14.6 13.3 19.9

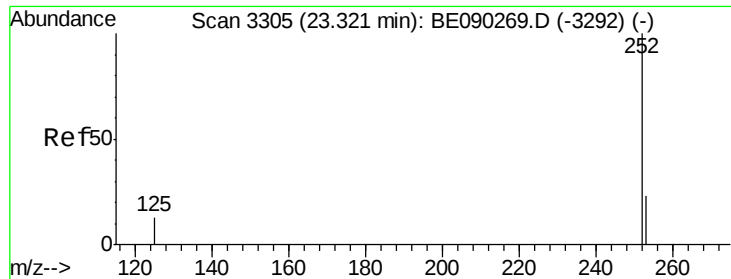


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 1.01 ng/ul

RT: 23.32 min Scan# 3304

Delta R.T. -0.00 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

Instrument :

BNA_E

ClientSampleId :

SSTD0.845

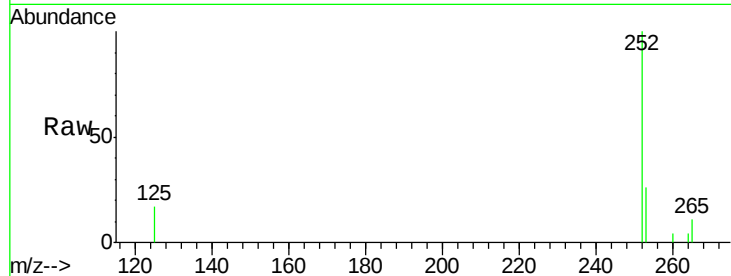
Tgt Ion:252 Resp: 5701

Ion Ratio Lower Upper

252 100

253 26.2 24.9 37.3

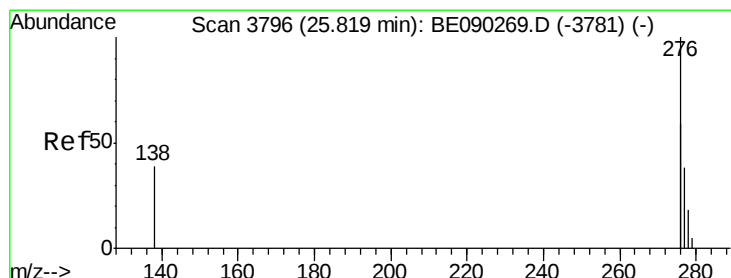
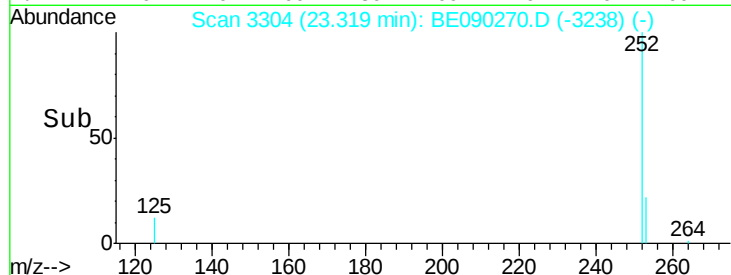
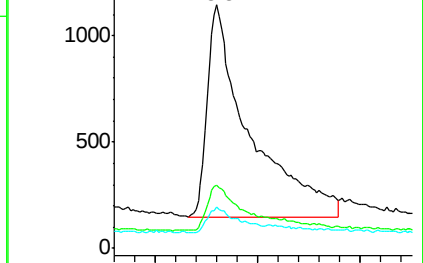
125 16.9 17.5 26.3#



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.85 ng/ul

RT: 25.81 min Scan# 3795

Delta R.T. -0.01 min

Lab File: BE090270.D

Acq: 28 Jul 2015 14:19

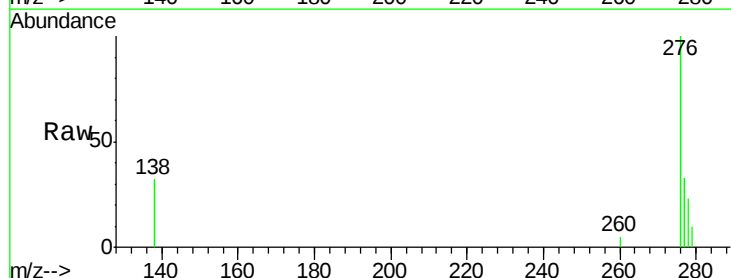
Tgt Ion:276 Resp: 14047

Ion Ratio Lower Upper

276 100

138 13.4 13.5 20.3#

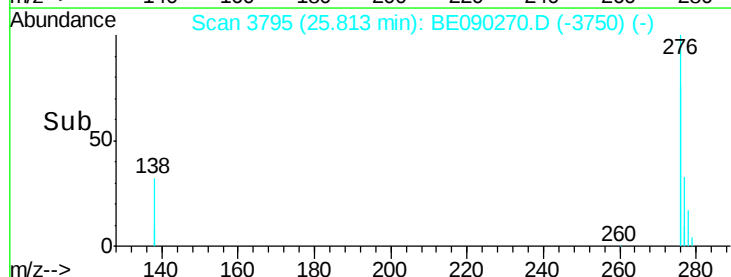
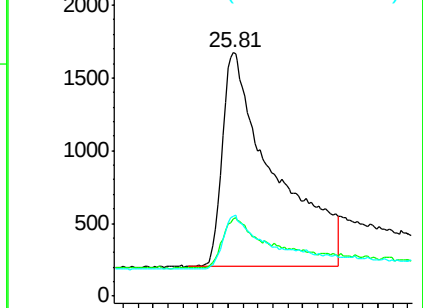
277 18.3 16.4 24.6

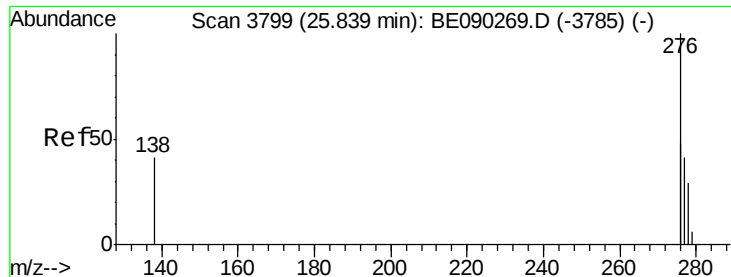


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

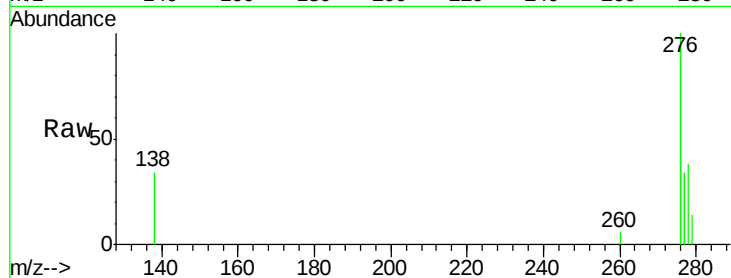




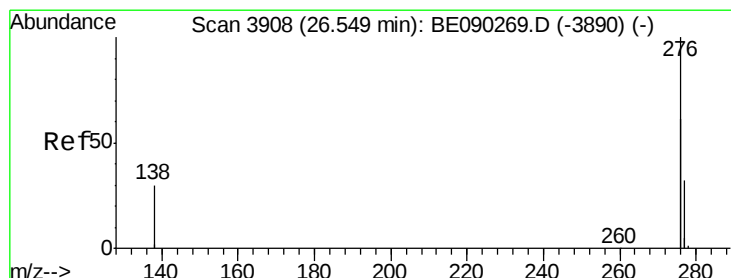
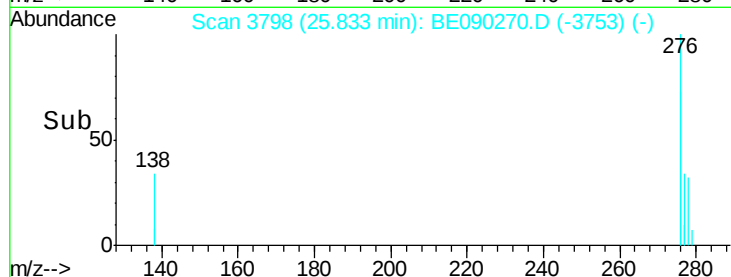
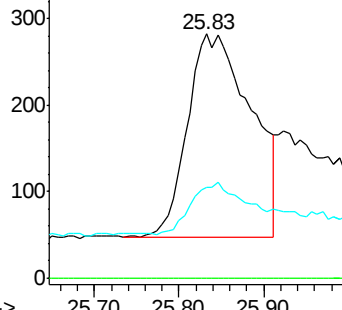
#25
Dibenzo(a,h)anthracene
Concen: 0.49 ng/ul
RT: 25.83 min Scan# 3798
Delta R.T. -0.01 min
Lab File: BE090270.D
Acq: 28 Jul 2015 14:19

Instrument :
BNA_E
ClientSampleId :
SSTD0.845

Tgt Ion: 278 Resp: 1228
Ion Ratio Lower Upper
278 100
139 0.0 0.0 0.0
279 37.2 37.4 56.0#

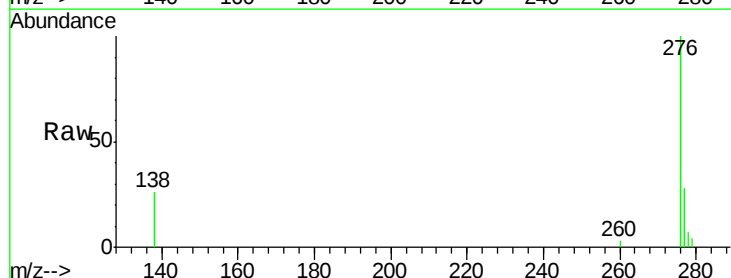


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#26
Benzo(g,h,i)perylene
Concen: 0.78 ng/ul
RT: 26.55 min Scan# 3908
Delta R.T. 0.00 min
Lab File: BE090270.D
Acq: 28 Jul 2015 14:19

Tgt Ion: 276 Resp: 19626
Ion Ratio Lower Upper
276 100
277 28.1 25.5 38.3
138 25.8 23.9 35.9



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

