

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE020615\
 Data File : BE089575.D
 Acq On : 8 Feb 2015 2:58
 Operator : TP/IZ
 Sample : SSTDCCC001
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_E
 ClientSampleId :

Quant Time: Feb 09 00:25:41 2015
 Quant Method : Z:\HPCHEM1\BNA_E\methods\SIMPAH-BE020615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Feb 07 04:07:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.42	152	26150	5.00	ng	0.00
2) Naphthalene-d8	12.33	136	101005	5.00	ng	0.00
6) Acenaphthene-d10	16.51	164	43185	5.00	ng	0.00
11) Phenanthrene-d10	19.84	188	82886	5.00	ng	0.00
16) Chrysene-d12	23.72	240	86066	5.00	ng	0.00
22) Perylene-d12	25.41	264	74149	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) Nitrobenzene-d5	10.69	82	5340	0.80	ng	0.00
7) 2-Fluorobiphenyl	14.96	172	10957	0.95	ng	0.00
18) Terphenyl-d14	22.36	244	12053	1.06	ng	0.00

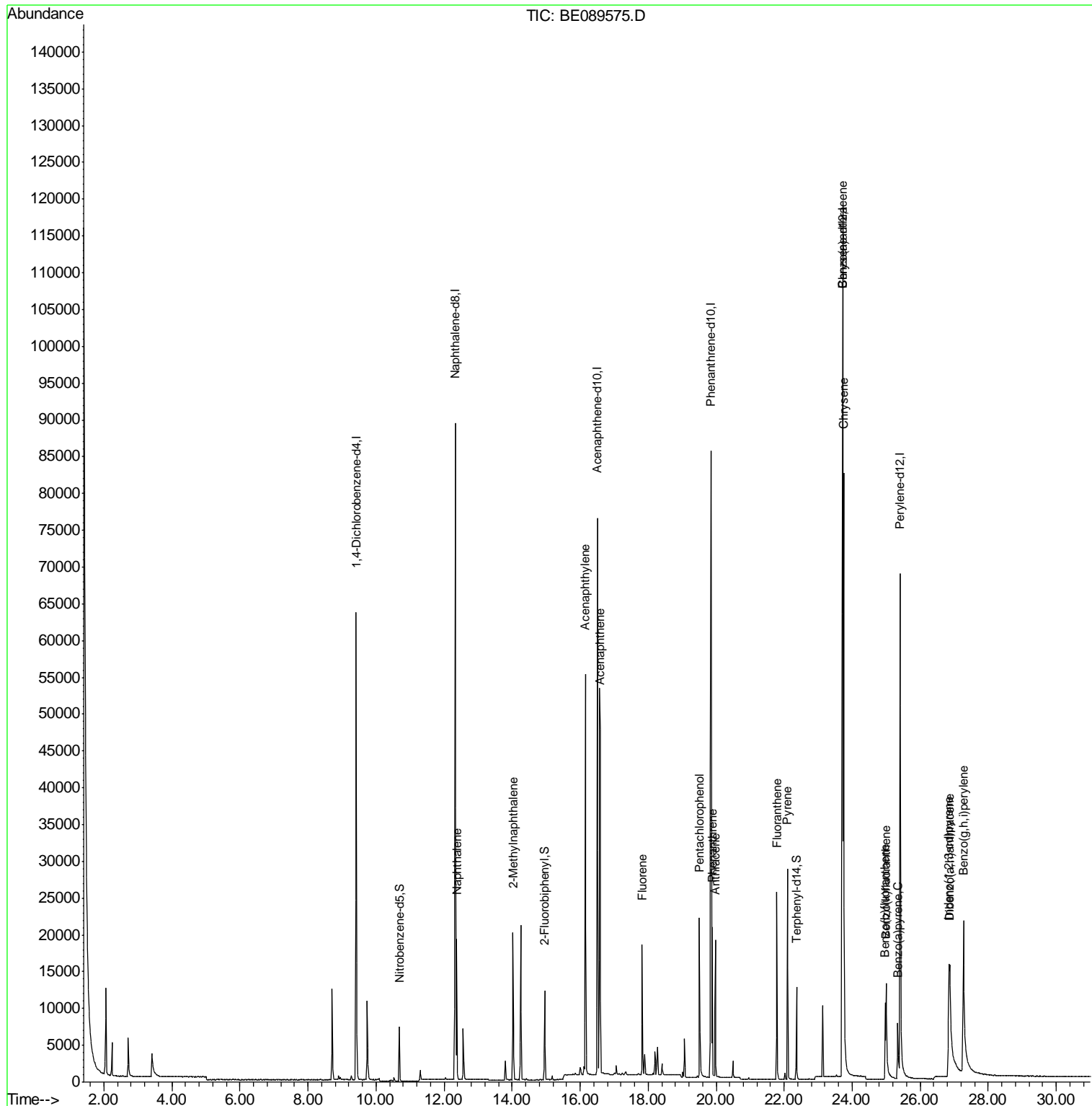
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Naphthalene	12.37	128	21692	0.95	ng	100
5) 2-Methylnaphthalene	14.03	142	12457	0.96	ng	95
8) Acenaphthylene	16.16	152	69160	0.95	ng	99
9) Acenaphthene	16.59	154	10977	0.95	ng	95
10) Fluorene	17.83	166	12128	0.99	ng	99
12) Pentachlorophenol	19.51	266	14259	12.19	ng	88
13) Phenanthrene	19.89	178	19540	0.95	ng	99
14) Anthracene	19.98	178	16181	0.93	ng	99
15) Fluoranthene	21.78	202	17595	0.92	ng	98
17) Pyrene	22.10	202	20863	1.14	ng	99
19) Benzo(a)anthracene	23.70	228	66089	0.86	ng	97
20) Chrysene	23.75	228	76806	0.99	ng	99
21) Indeno(1,2,3-cd)pyrene	26.84	276	51746	0.48	ng	# 79
23) Benzo(b)fluoranthene	24.97	252	9869	0.69	ng	98
24) Benzo(k)fluoranthene	25.00	252	19981	1.12	ng	98
25) Benzo(a)pyrene	25.34	252	10004	0.70	ng	97
26) Dibenzo(a,h)anthracene	26.87	278	9395	0.53	ng	99
27) Benzo(g,h,i)perylene	27.27	276	49236	0.69	ng	97

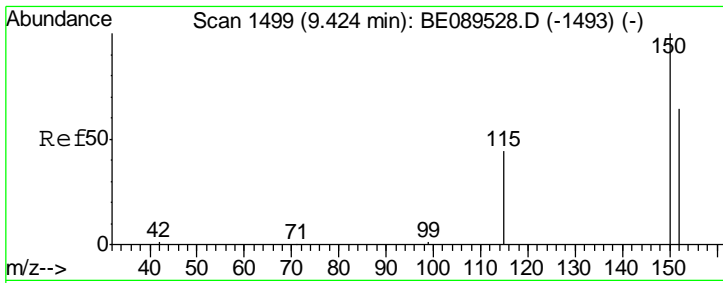
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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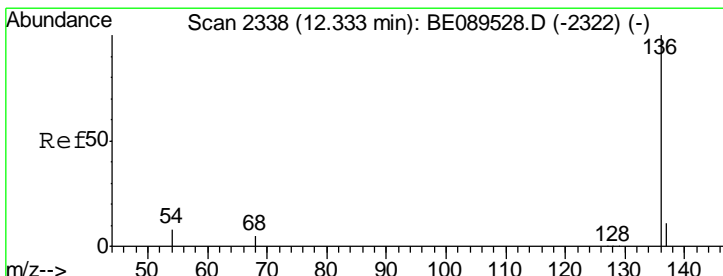
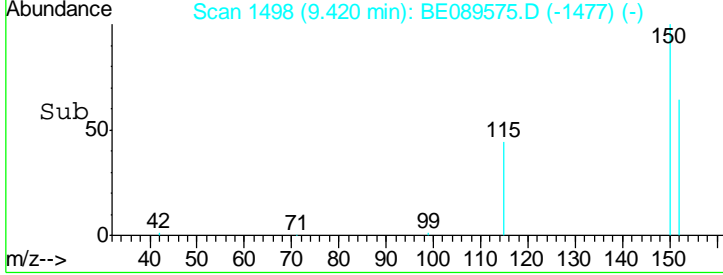
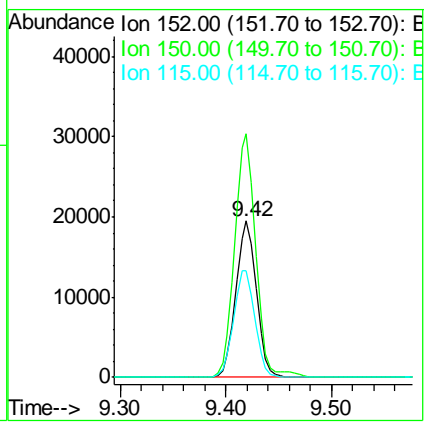
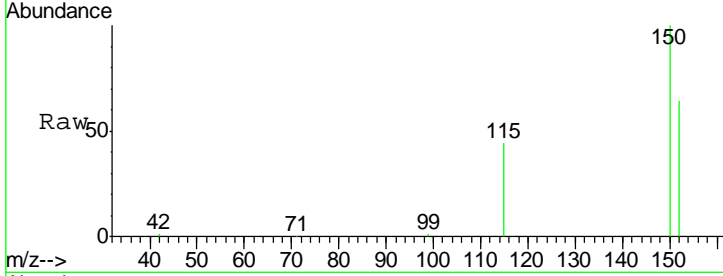


#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 9.42 min Scan# 1498
 Delta R.T. -0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion:152 Resp: 26150

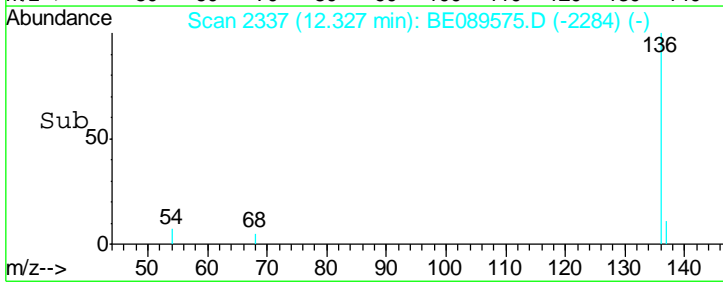
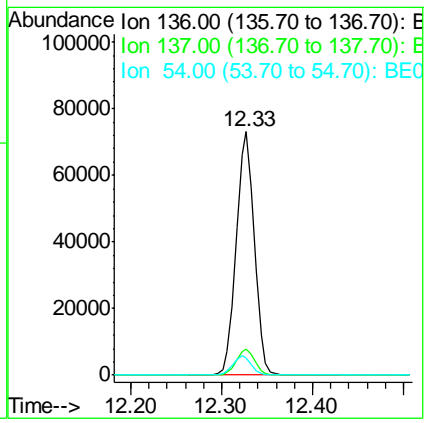
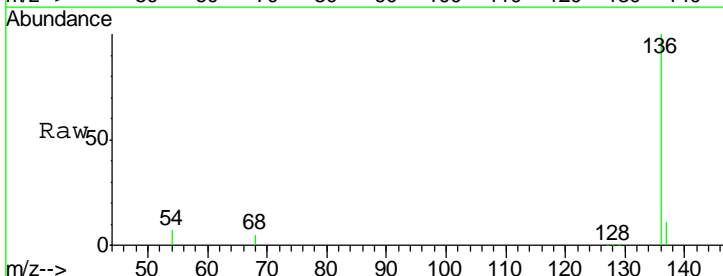
Ion	Ratio	Lower	Upper
152	100		
150	156.0	125.7	188.5
115	68.2	55.6	83.4

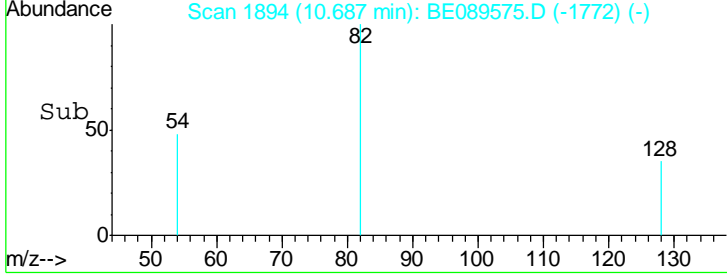
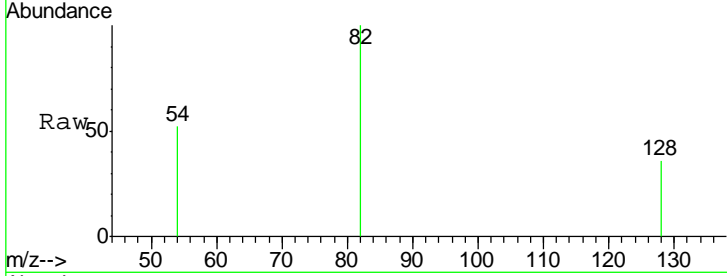
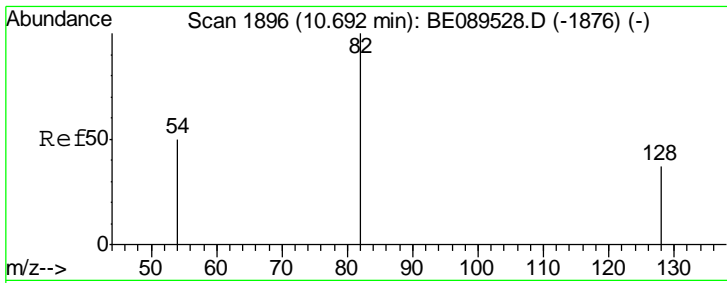


#2
 Naphthalene-d8
 Concen: 5.00 ng
 RT: 12.33 min Scan# 2337
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion:136 Resp: 101005

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	6.8	6.1	9.1

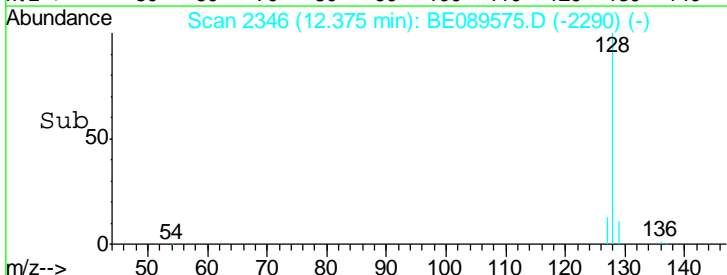
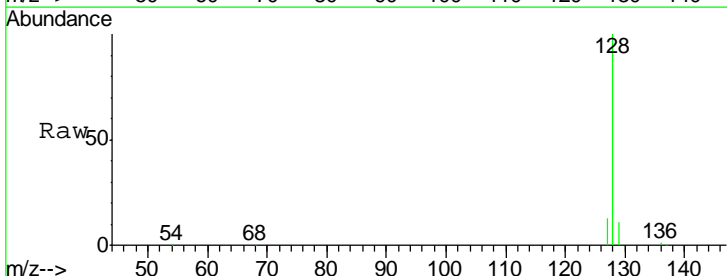
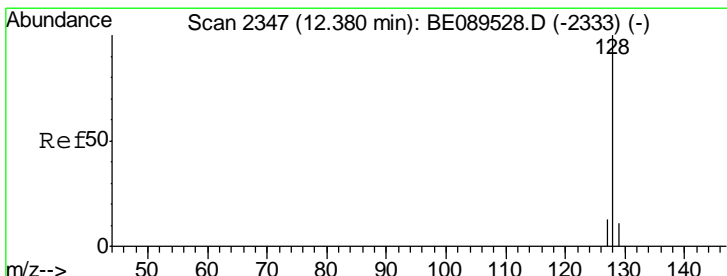
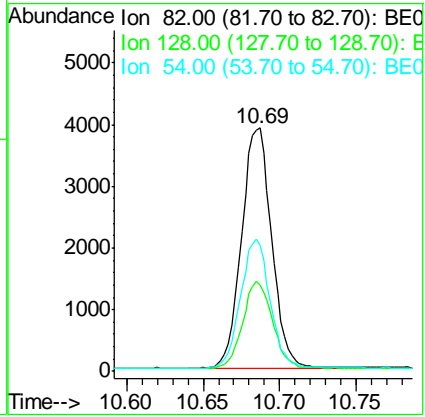




#3
 Nitrobenzene-d5
 Concen: 0.80 ng
 RT: 10.69 min Scan# 1894
 Delta R.T. -0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

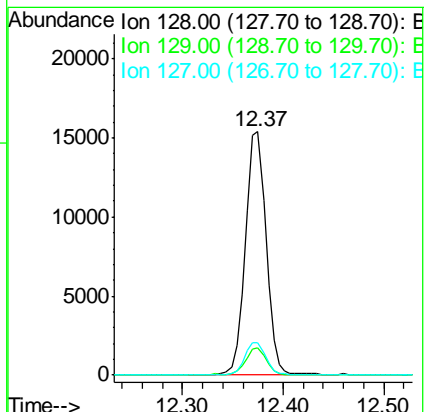
Instrument :
 BNA_E
 ClientSampled :

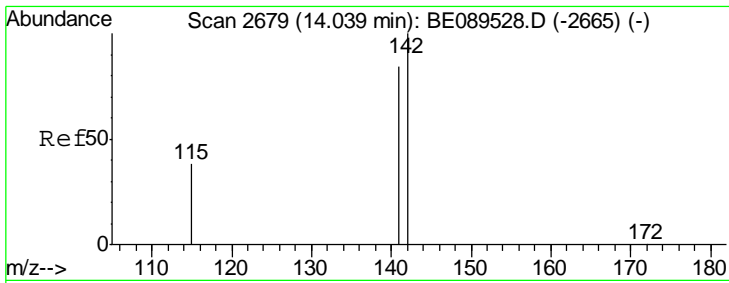
Tgt Ion	Resp	Lower	Upper
82	5340		
128	35.6	30.2	45.4
54	51.8	40.6	60.8



#4
 Naphthalene
 Concen: 0.95 ng
 RT: 12.37 min Scan# 2346
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
128	21692		
129	11.3	9.1	13.7
127	13.1	10.5	15.7

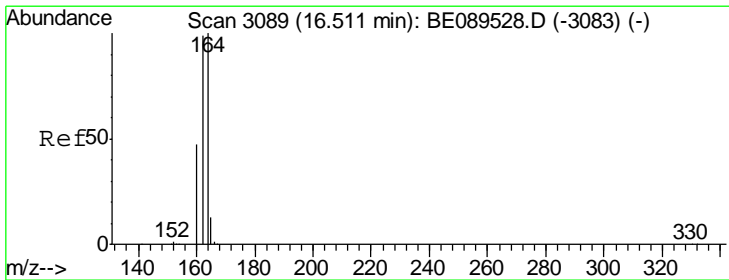
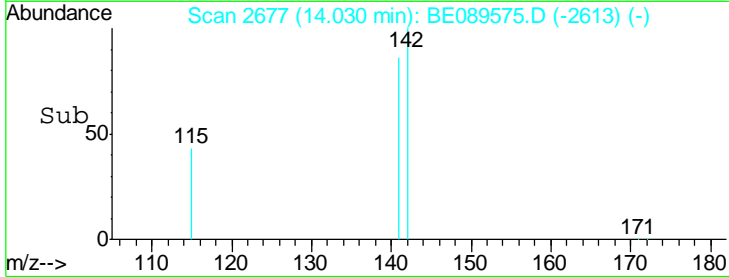
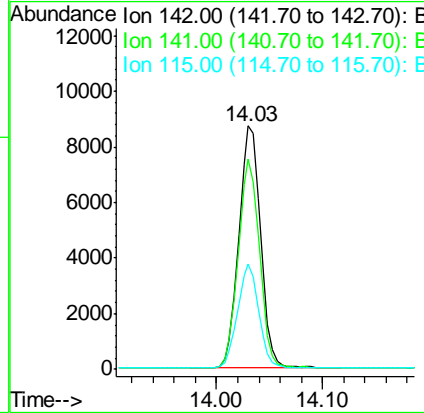
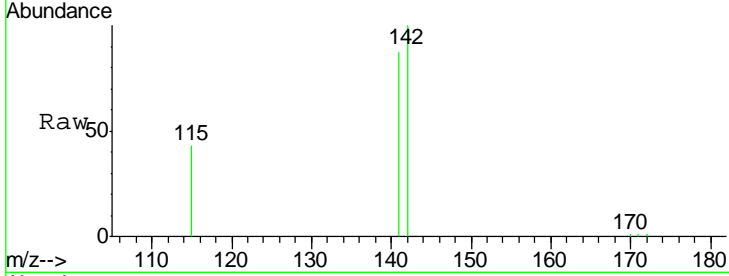




#5
 2-Methylnaphthalene
 Concen: 0.96 ng
 RT: 14.03 min Scan# 2677
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

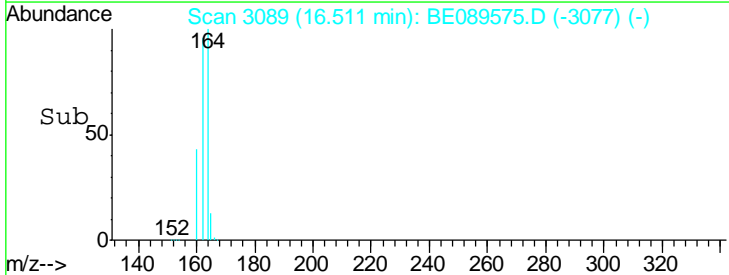
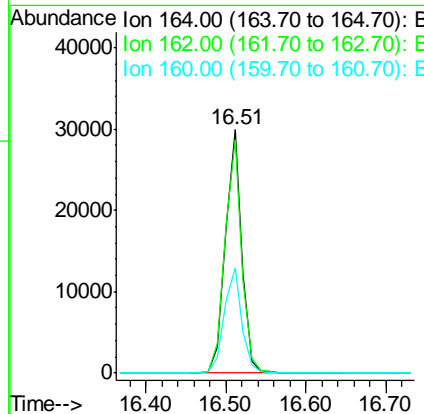
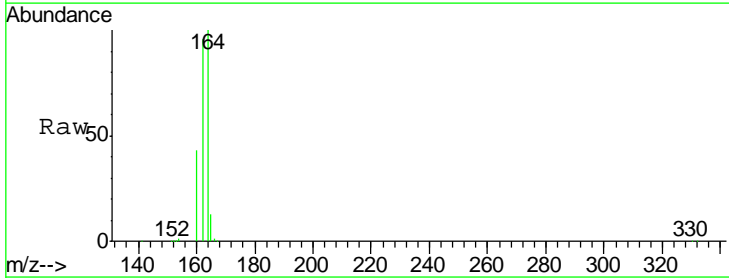
Instrument :
 BNA_E
 ClientSampled :

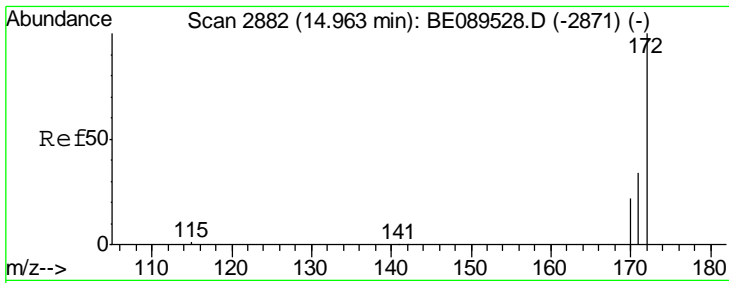
Tgt Ion	Resp	Lower	Upper
142	12457		
141	86.5	67.0	100.6
115	43.5	30.6	45.8



#6
 Acenaphthene-d10
 Concen: 5.00 ng
 RT: 16.51 min Scan# 3089
 Delta R.T. 0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
164	43185		
162	95.9	79.5	119.3
160	43.1	37.6	56.4

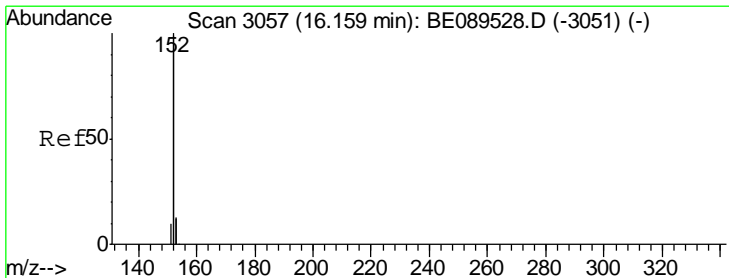
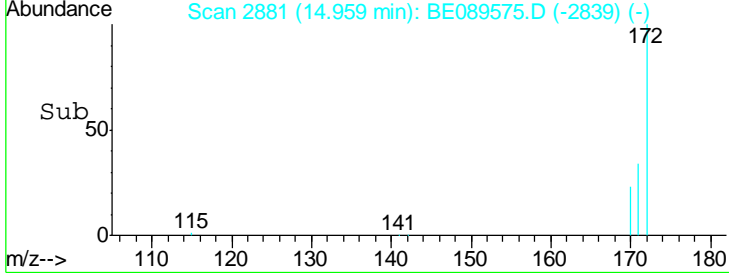
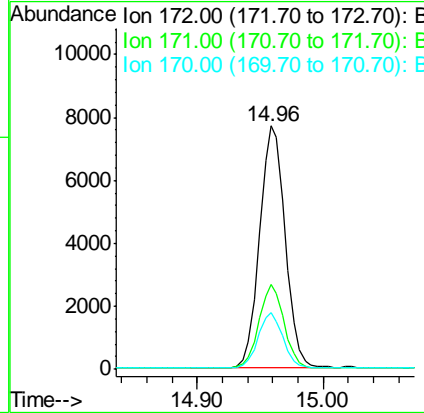
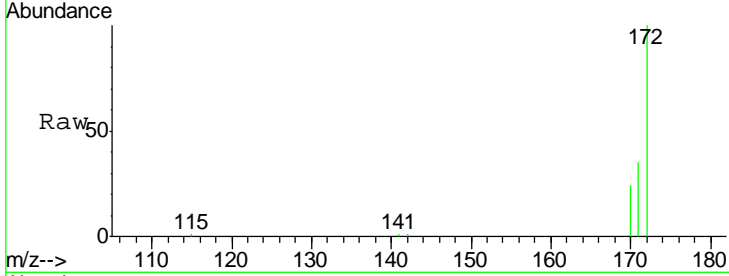




#7
 2-Fluorobiphenyl
 Concen: 0.95 ng
 RT: 14.96 min Scan# 2881
 Delta R.T. -0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

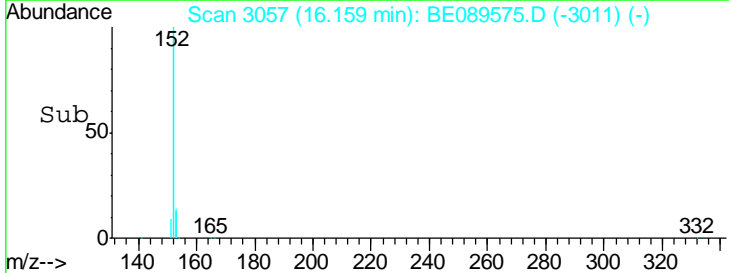
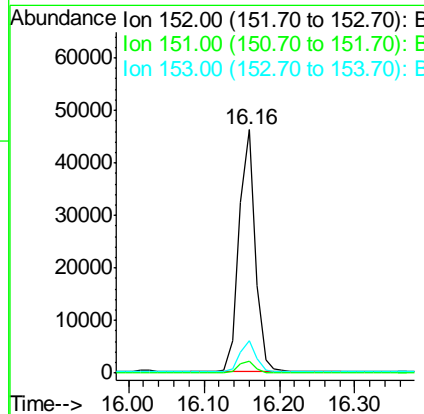
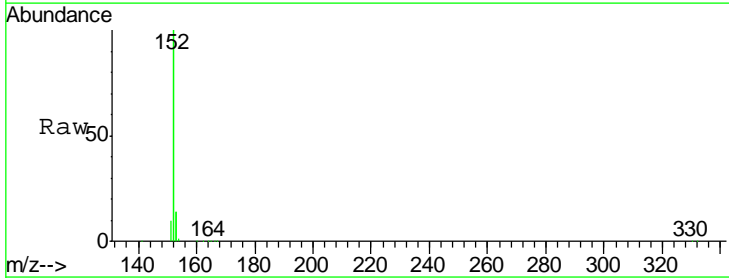
Instrument :
 BNA_E
 ClientSampled :

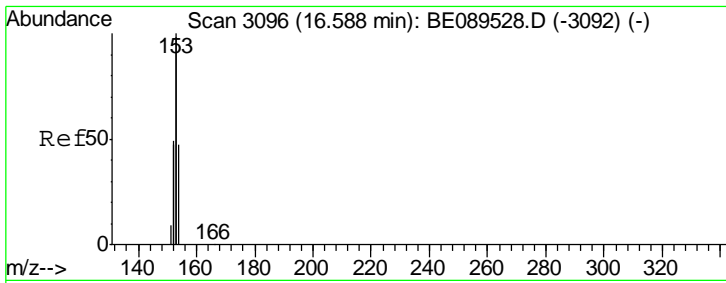
Tgt Ion	Resp	Lower	Upper
172	10957		
171	34.8	27.7	41.5
170	23.5	18.3	27.5



#8
 Acenaphthylene
 Concen: 0.95 ng
 RT: 16.16 min Scan# 3057
 Delta R.T. 0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
152	69160		
151	4.9	4.0	6.0
153	12.9	10.6	15.8

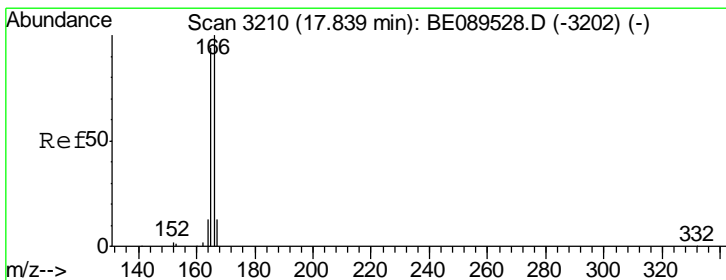
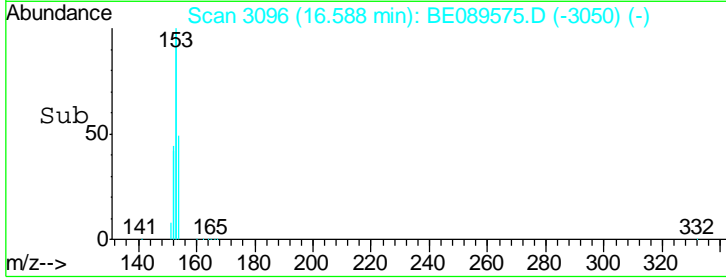
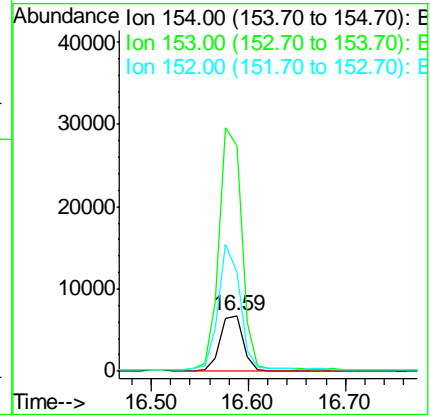
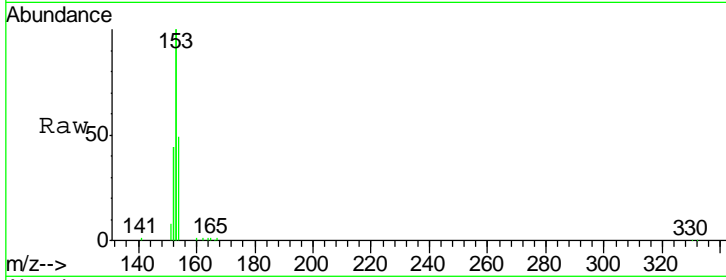




#9
 Acenaphthene
 Concen: 0.95 ng
 RT: 16.59 min Scan# 3096
 Delta R.T. 0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

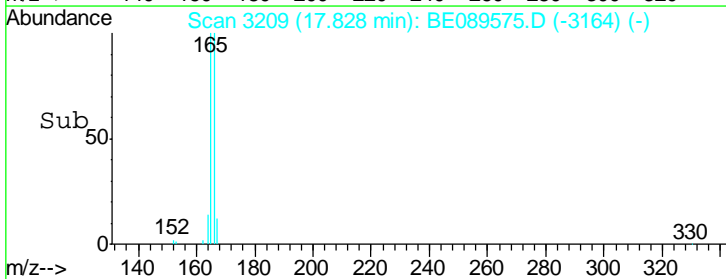
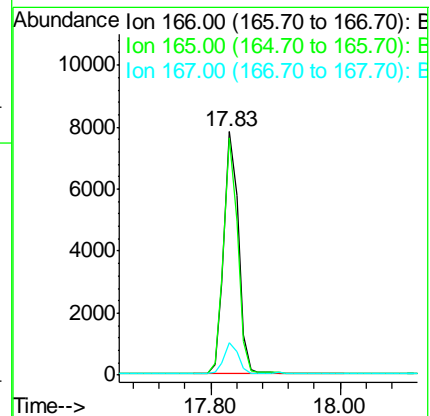
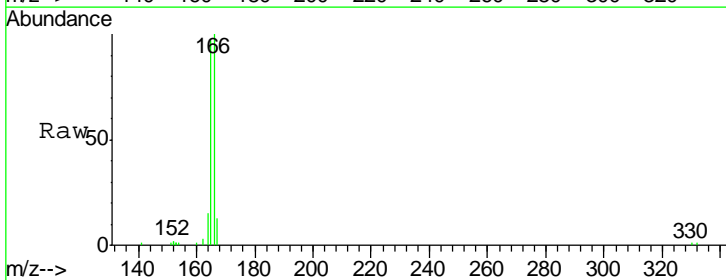
Instrument :
 BNA_E
 ClientSampled :

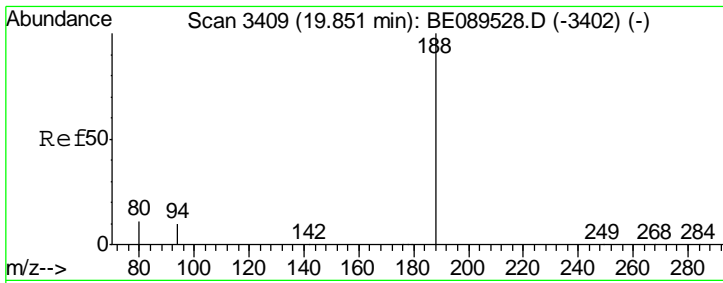
Tgt Ion	Resp	Lower	Upper
154	10977		
153	438.1	340.8	511.2
152	213.1	165.5	248.3



#10
 Fluorene
 Concen: 0.99 ng
 RT: 17.83 min Scan# 3209
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
166	12128		
165	93.3	75.5	113.3
167	12.8	10.9	16.3

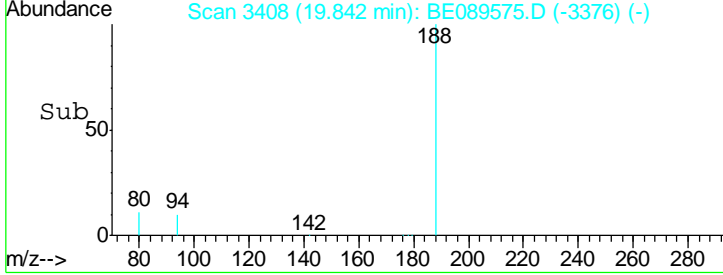
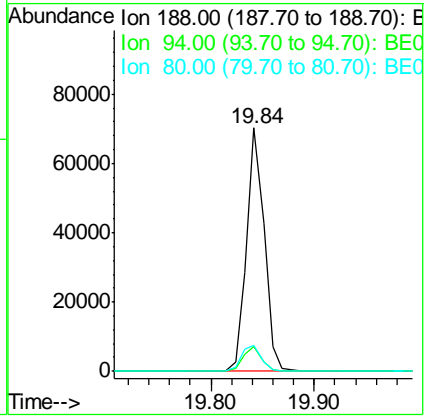
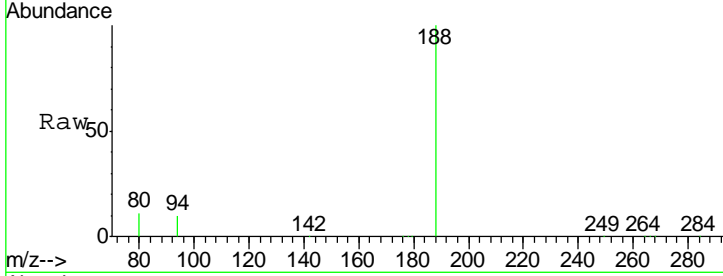




#11
 Phenanthrene-d10
 Concen: 5.00 ng
 RT: 19.84 min Scan# 3408
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

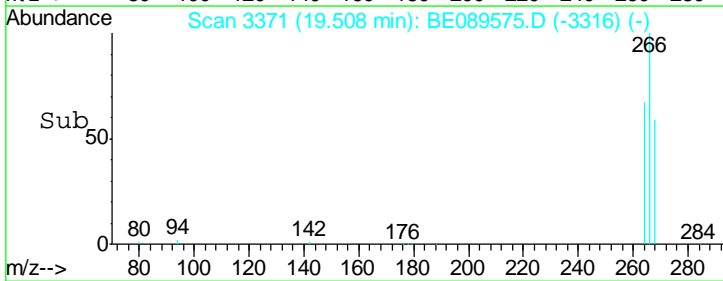
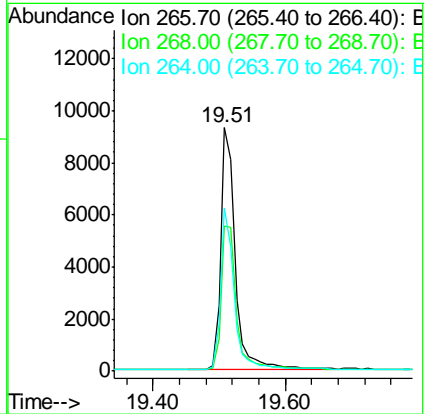
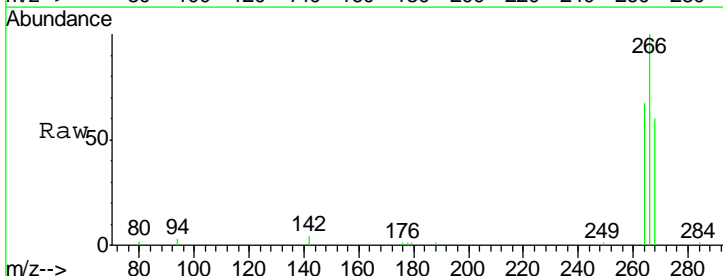
Instrument :
 BNA_E
 ClientSampled :

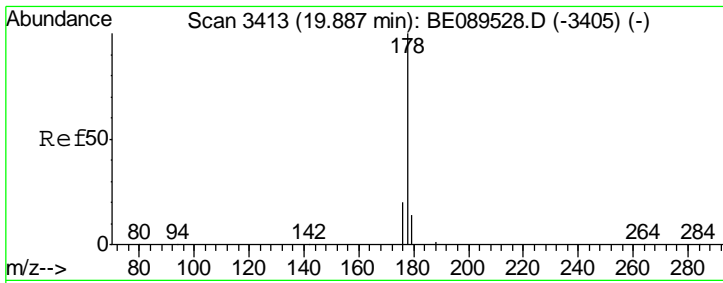
Tgt Ion	Resp	Lower	Upper
188	100		
94	10.3	8.4	12.6
80	10.8	8.6	12.8



#12
 Pentachlorophenol
 Concen: 12.19 ng
 RT: 19.51 min Scan# 3371
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
266	100		
268	59.5	57.9	86.9
264	67.1	60.2	90.4

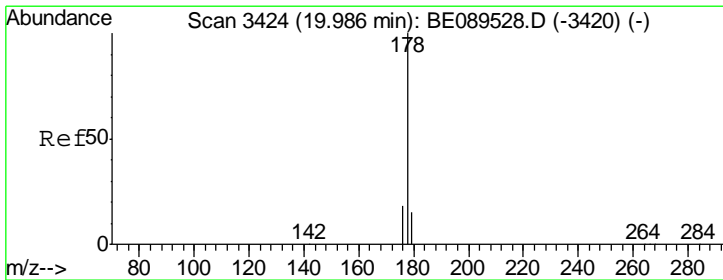
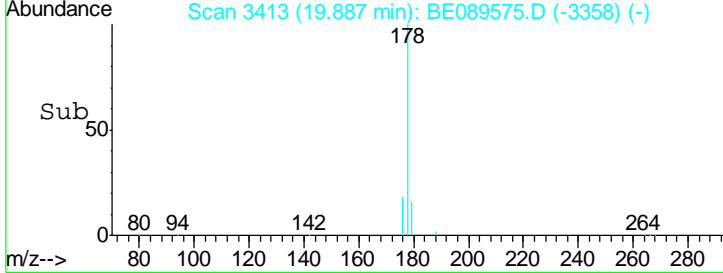
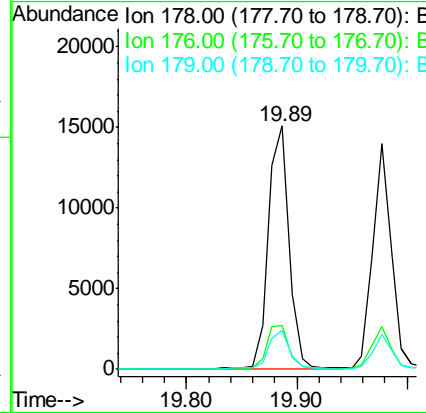
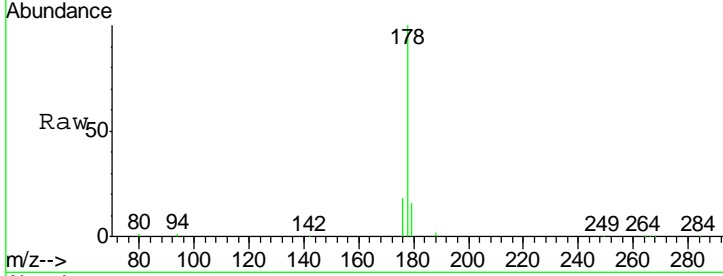




#13
 Phenanthrene
 Concen: 0.95 ng
 RT: 19.89 min Scan# 3413
 Delta R.T. 0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

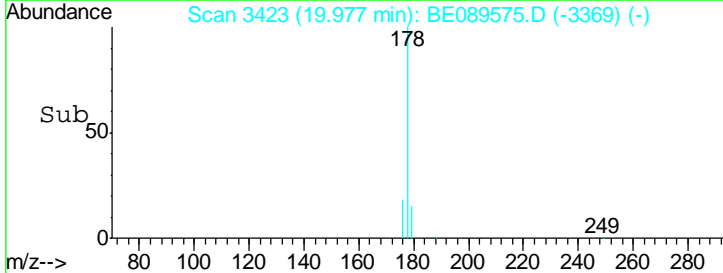
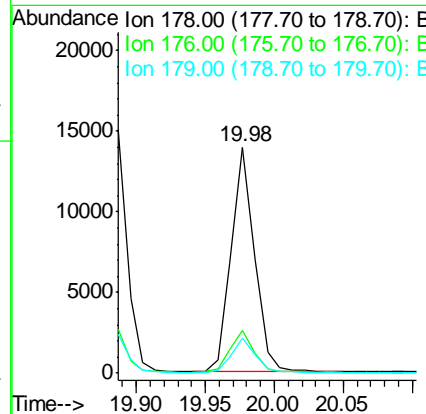
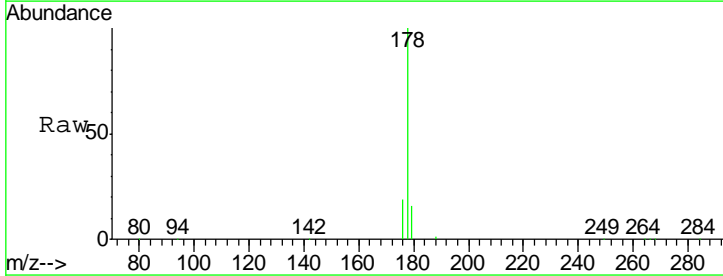
Instrument :
 BNA_E
 ClientSampled :

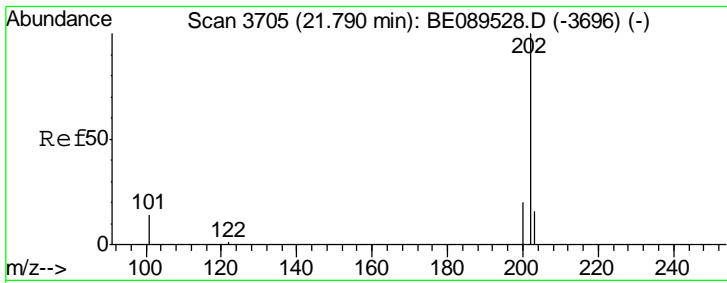
Tgt Ion	Resp	Lower	Upper
178	19540		
176	18.9	15.4	23.0
179	15.6	12.2	18.2



#14
 Anthracene
 Concen: 0.93 ng
 RT: 19.98 min Scan# 3423
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
178	16181		
176	18.6	14.5	21.7
179	15.1	12.2	18.2

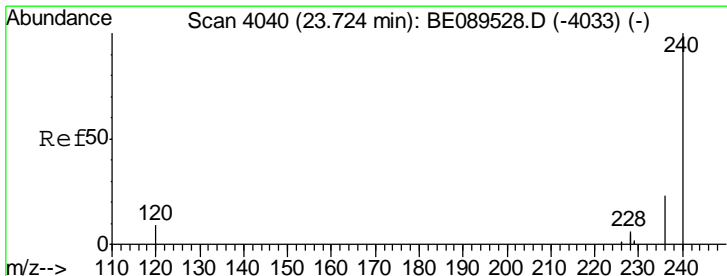
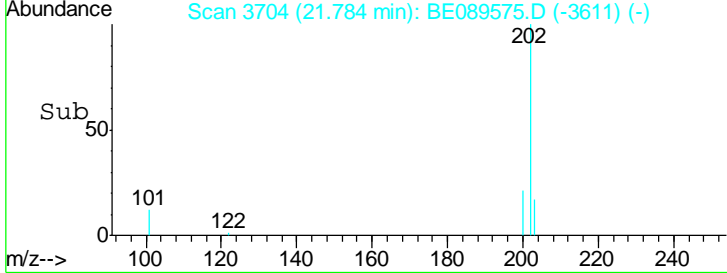
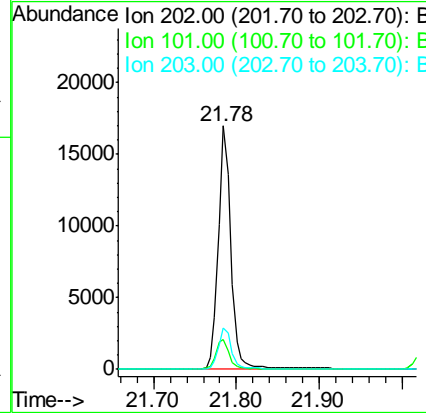
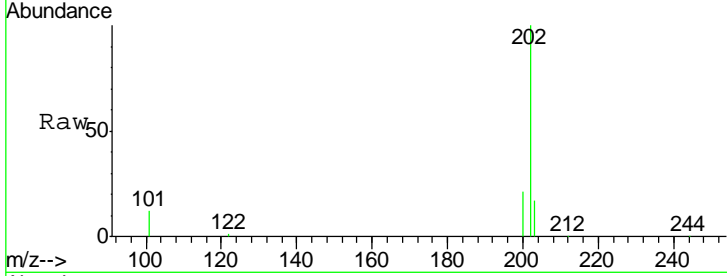




#15
 Fluoranthene
 Concen: 0.92 ng
 RT: 21.78 min Scan# 3704
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

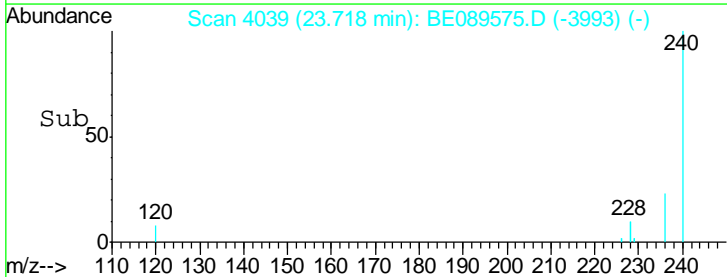
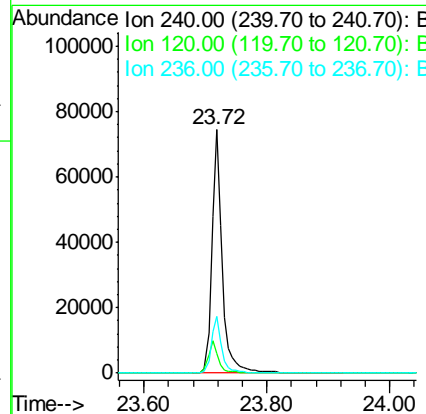
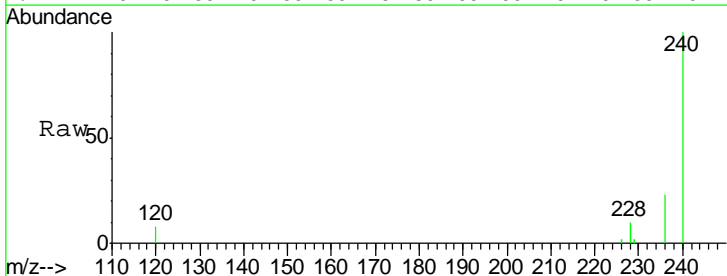
Instrument :
 BNA_E
 ClientSampled :

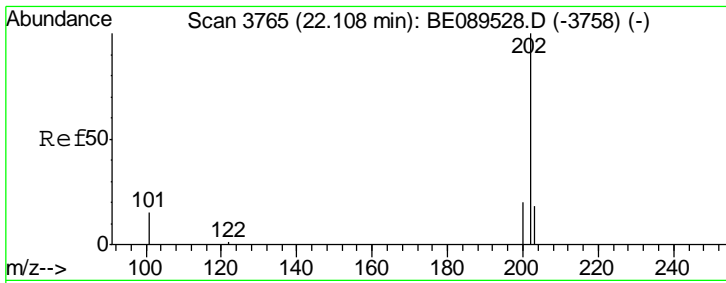
Tgt Ion	Resp	Lower	Upper
202	17595		
101	12.5	11.6	17.4
203	17.1	13.6	20.4



#16
 Chrysene-d12
 Concen: 5.00 ng
 RT: 23.72 min Scan# 4039
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
240	86066		
120	8.3	7.2	10.8
236	23.2	18.5	27.7

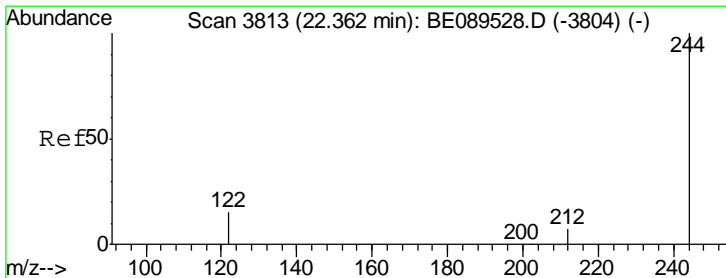
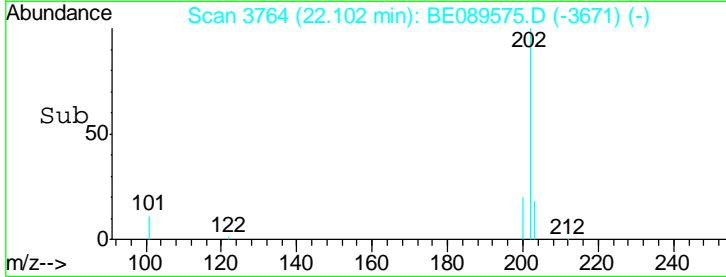
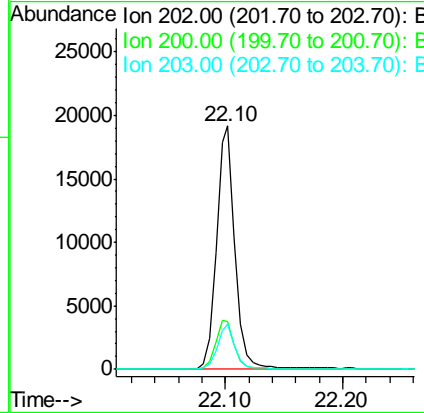
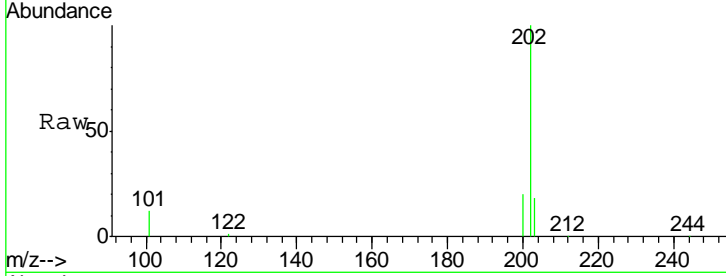




#17
 Pyrene
 Concen: 1.14 ng
 RT: 22.10 min Scan# 3764
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

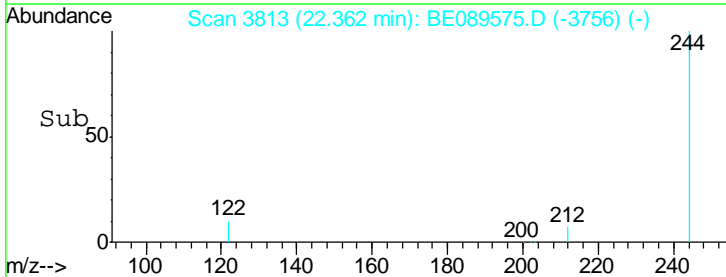
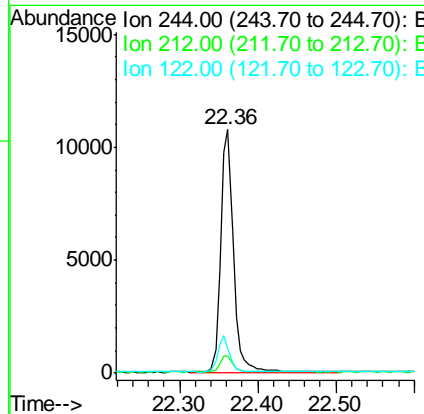
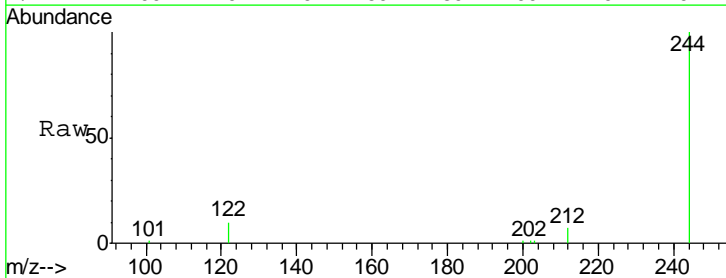
Instrument :
 BNA_E
 ClientSampled :

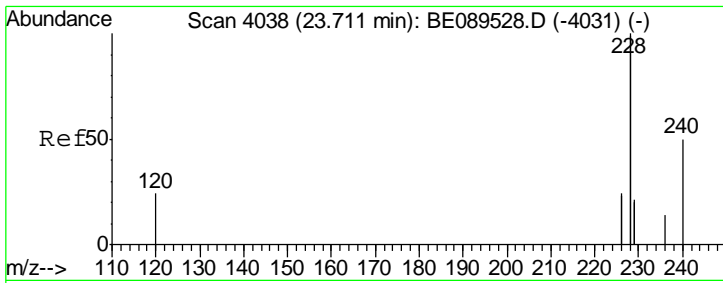
Tgt Ion	Resp	Lower	Upper
202	20863		
200	20.5	16.3	24.5
203	17.5	13.5	20.3



#18
 Terphenyl-d14
 Concen: 1.06 ng
 RT: 22.36 min Scan# 3813
 Delta R.T. -0.00 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
244	12053		
212	7.0	5.8	8.8
122	10.3	12.6	19.0#



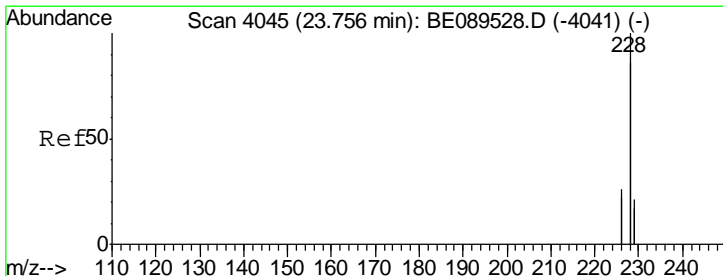
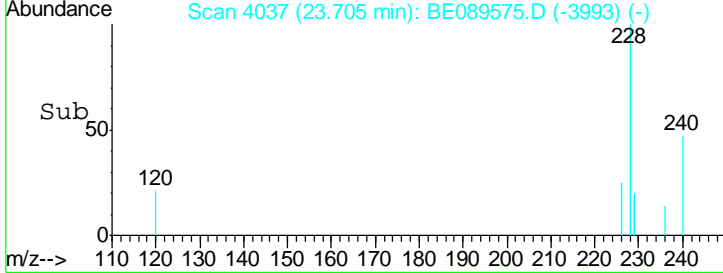
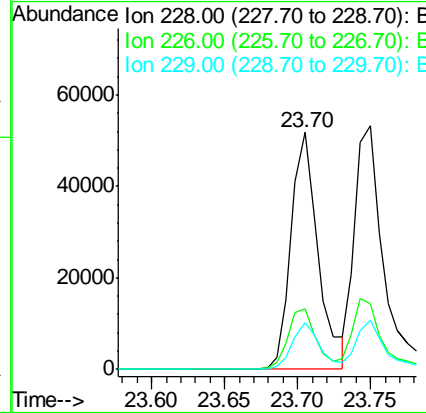
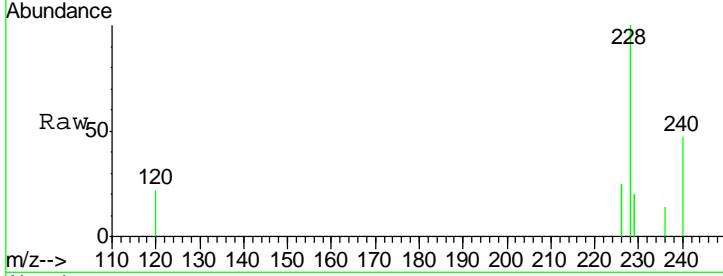


#19
 Benzo(a)anthracene
 Concen: 0.86 ng
 RT: 23.70 min Scan# 4037
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion: 228 Resp: 66089

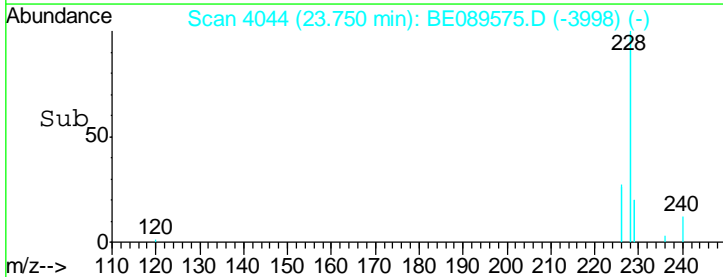
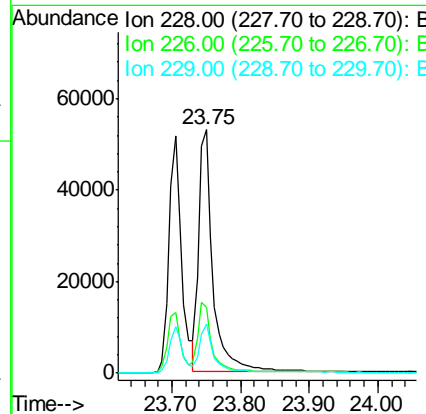
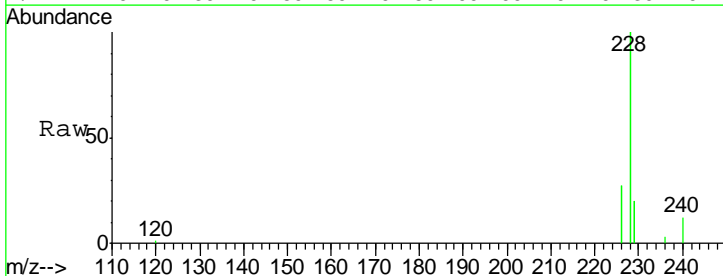
Ion	Ratio	Lower	Upper
228	100		
226	25.5	19.0	28.4
229	19.7	16.8	25.2

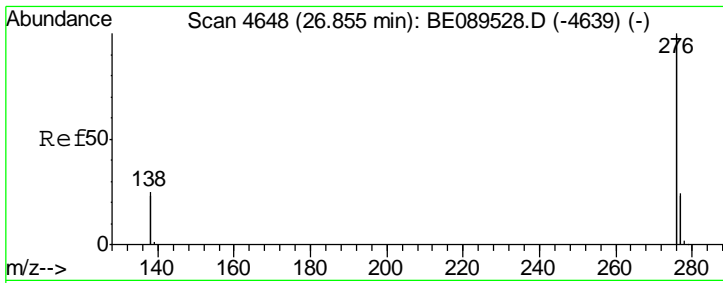


#20
 Chrysene
 Concen: 0.99 ng
 RT: 23.75 min Scan# 4044
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion: 228 Resp: 76806

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.0	31.4
229	20.4	16.7	25.1

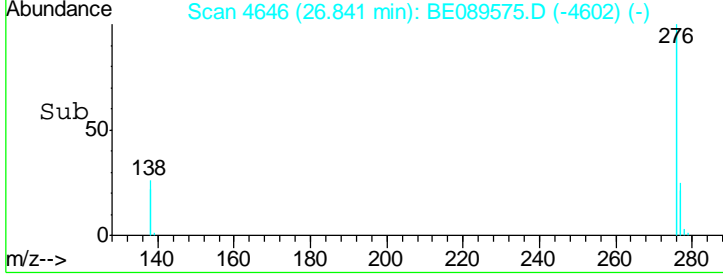
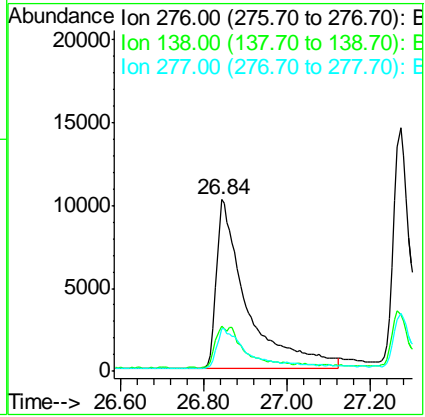
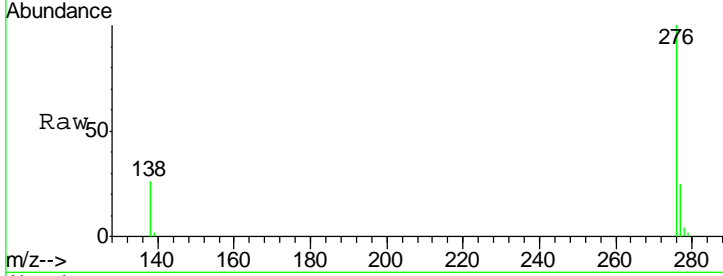




#21
 Indeno(1,2,3-cd)pyrene
 Concen: 0.48 ng
 RT: 26.84 min Scan# 4646
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

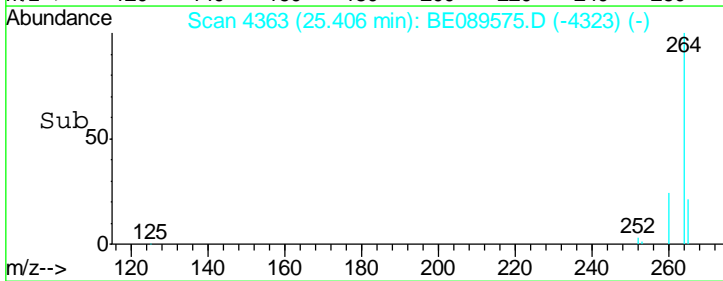
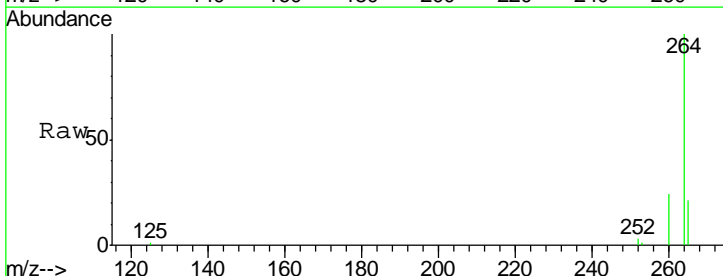
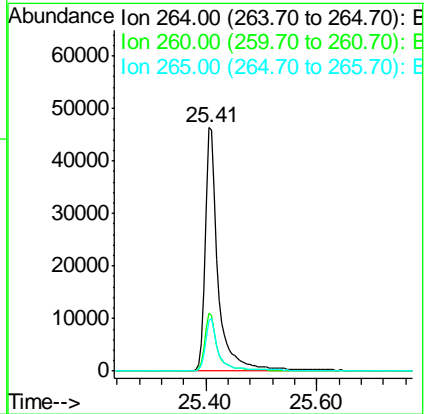
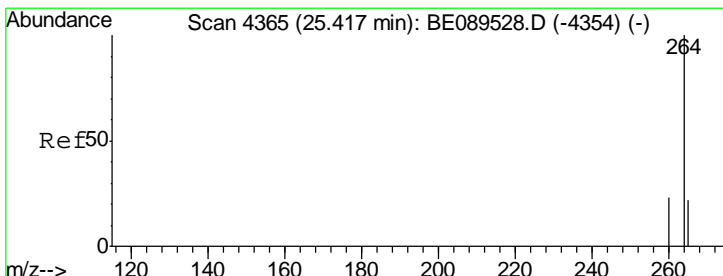
Instrument :
 BNA_E
 ClientSampled :

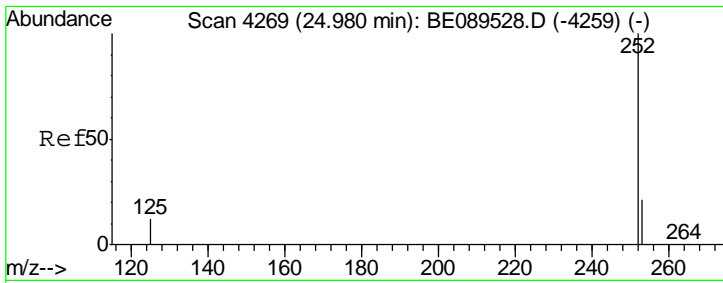
Tgt Ion	Resp	Lower	Upper
276	51746		
138	9.4	23.0	34.4#
277	23.0	19.9	29.9



#22
 Perylene-d12
 Concen: 5.00 ng
 RT: 25.41 min Scan# 4363
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
264	74149		
260	24.0	18.7	28.1
265	20.7	17.5	26.3



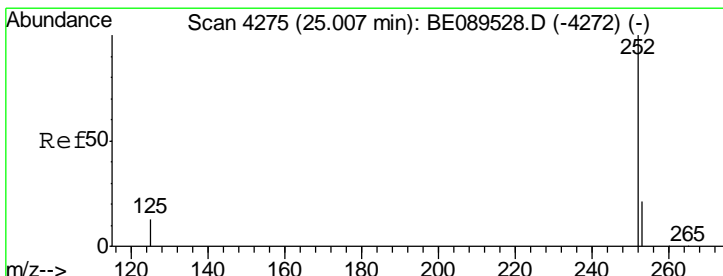
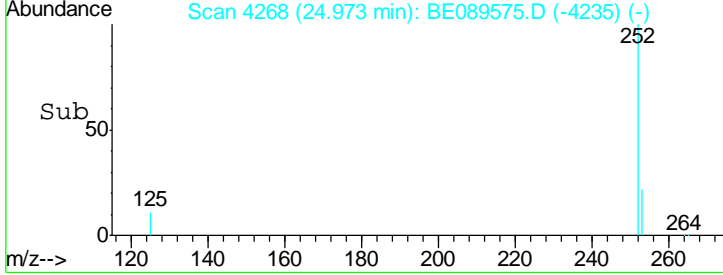
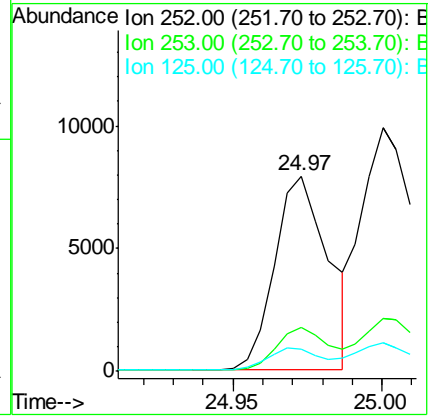
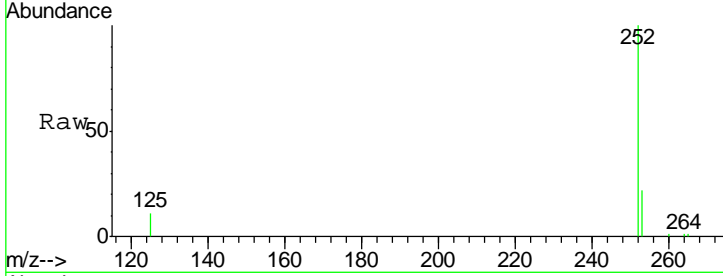


#23
 Benzo(b)fluoranthene
 Concen: 0.69 ng
 RT: 24.97 min Scan# 4268
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion: 252 Resp: 9869

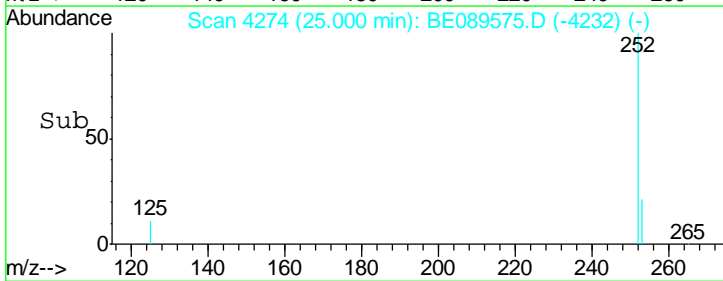
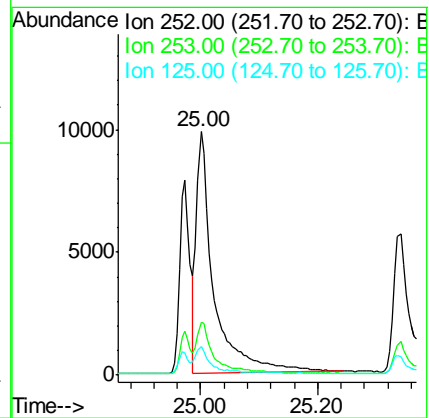
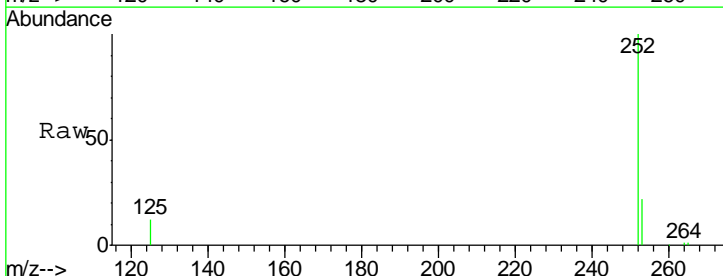
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	11.3	10.4	15.6

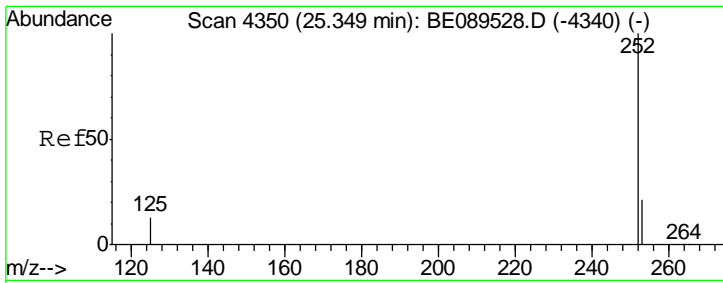


#24
 Benzo(k)fluoranthene
 Concen: 1.12 ng
 RT: 25.00 min Scan# 4274
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion: 252 Resp: 19981

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.2	25.8
125	11.6	10.6	15.8

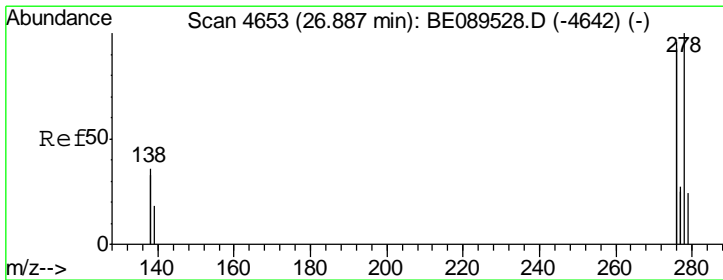
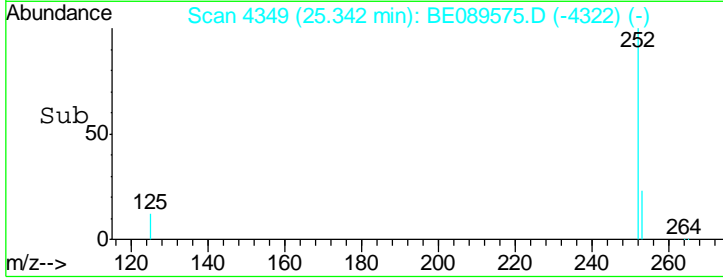
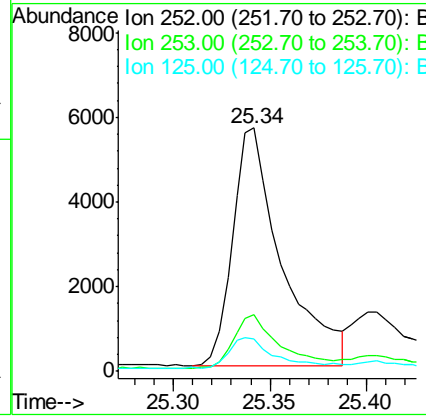
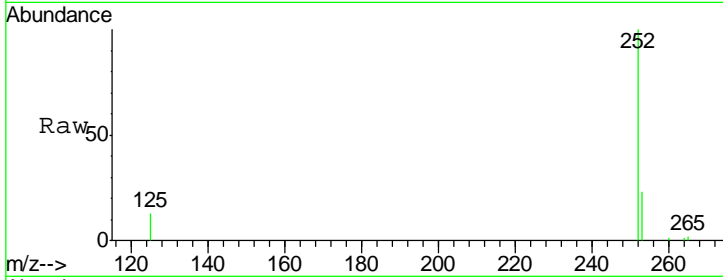




#25
 Benzo(a)pyrene
 Concen: 0.70 ng
 RT: 25.34 min Scan# 4349
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

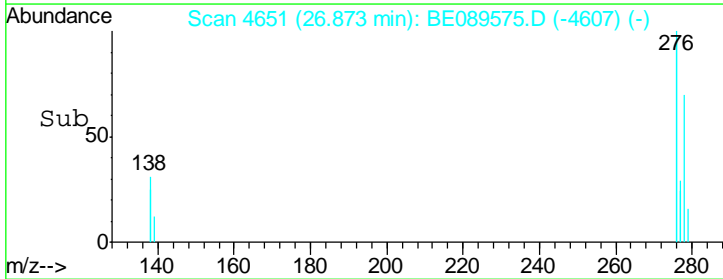
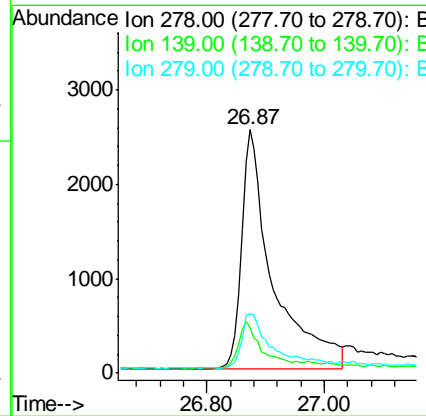
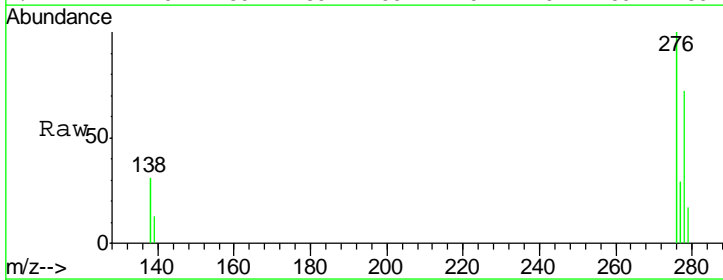
Instrument :
 BNA_E
 ClientSampled :

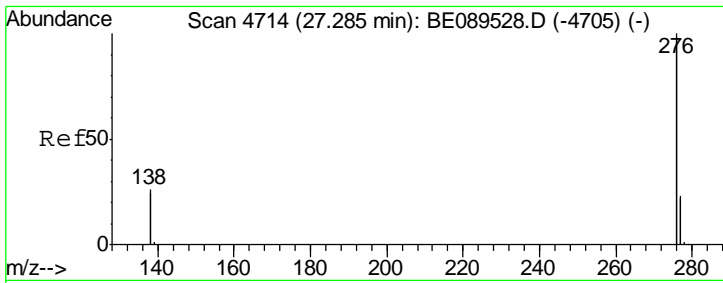
Tgt Ion	Resp	Lower	Upper
252	10004		
253	23.5	17.8	26.6
125	13.4	11.4	17.2



#26
 Dibenzo(a,h)anthracene
 Concen: 0.53 ng
 RT: 26.87 min Scan# 4651
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Tgt Ion	Resp	Lower	Upper
278	9395		
139	18.7	15.7	23.5
279	24.1	19.5	29.3





#27
 Benzo(g,h,i)perylene
 Concen: 0.69 ng
 RT: 27.27 min Scan# 4712
 Delta R.T. -0.01 min
 Lab File: BE089575.D
 Acq: 8 Feb 2015 2:58

Instrument :
 BNA_E
 ClientSampled :

Tgt Ion	Resp	Lower	Upper
276	49236		
276	100		
277	23.7	18.6	27.8
138	23.5	20.9	31.3

