Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100715\
Data File : BE090989.D
Acq On : 7 Oct 2015 17:00
Operator : UM/IZ
Sample : PB85999BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB85999BS

Quant Time: Oct 08 01:46:50 2015
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 08 01:45:47 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	60269	5.00	ng		0.00
7) Naphthalene-d8	9.64	136	279573	5.00	ng		0.00
13) Acenaphthene-d10	13.46	164	152969	5.00	ng		0.00
19) Phenanthrene-d10	16.19	188	348019	5.00	ng		0.00
26) Chrysene-d12	20.33	240	460320	5.00	ng		0.00
35) Perylene-d12	22.25	264	488450	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.99	112	104283	8.53	ng		-0.01
5) Phenol-d6	6.61	99	128462	8.33	ng		-0.01
8) Nitrobenzene-d5	8.22	82	84267	4.58	ng		-0.01
14) 2,4,6-Tribromophenol	14.99	330	43849	8.27	ng		0.00
15) 2-Fluorobiphenyl	12.09	172	166518	4.02	ng		0.00
29) Terphenyl-d14	18.74	244	244458	4.31	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.18	88	25800	3.24	ng		91
3) n-Nitrosodimethylamine	3.61	42	31620	3.35	ng	#	90
6) bis(2-Chloroethyl)ether	6.62	93	121305	7.36	ng	#	28
9) Nitrobenzene	8.26	77	89997	4.32	ng		99
10) Naphthalene	9.68	128	210545	3.91	ng		98
11) Hexachlorobutadiene	9.91	225	30378	3.54	ng		98
12) 2-Methylnaphthalene	11.21	142	145328	4.10	ng		98
16) Acenaphthylene	13.20	152	963776	3.77	ng		100
17) Acenaphthene	13.52	154	147929	3.62	ng		90
18) Fluorene	14.50	166	190588	3.78	ng		99
20) 4-Bromophenyl-phenylether	15.36	248	52186	3.97	ng		91
21) Hexachlorobenzene	15.45	284	57447	0.88	ng		99
22) Pentachlorophenol	15.93	266	42492	7.59	ng		90
23) Phenanthrene	16.21	178	327250	4.13	ng		100
24) Anthracene	16.29	178	316703	4.19	ng		99
25) Fluoranthene	18.20	202	385351	4.26	ng		100
27) Benzidine	18.57	184	244721	10.34	ng	#	76
28) Pyrene	18.59	202	410739	3.88	ng		99
30) Benzo(a)anthracene	20.31	228	416372	4.07	ng		99
32) Chrysene	20.36	228	412534	3.81	ng		97
33) Bis(2-ethylhexyl)phthalate	20.02	149	222393	4.88	ng		98
34) Indeno(1,2,3-cd)pyrene	23.92	276	481438	4.19	ng	#	92
36) Benzo(b)fluoranthene	21.68	252	446518	4.15	ng		99
37) Benzo(k)fluoranthene	21.71	252	466780	3.57	ng		99
38) Benzo(a)pyrene	22.15	252	442774	4.43	ng		100
39) Dibenzo(a,h)anthracene	23.88	278	481979	4.89	ng		99
40) Benzo(g,h,i)perylene	24.49	276	494984	4.62	ng		99

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

Quantitation Report (Not Reviewed)

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Acq On : 7 Oct 2015 17:00
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Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Quant Time: Oct 08 01:46:50 2015
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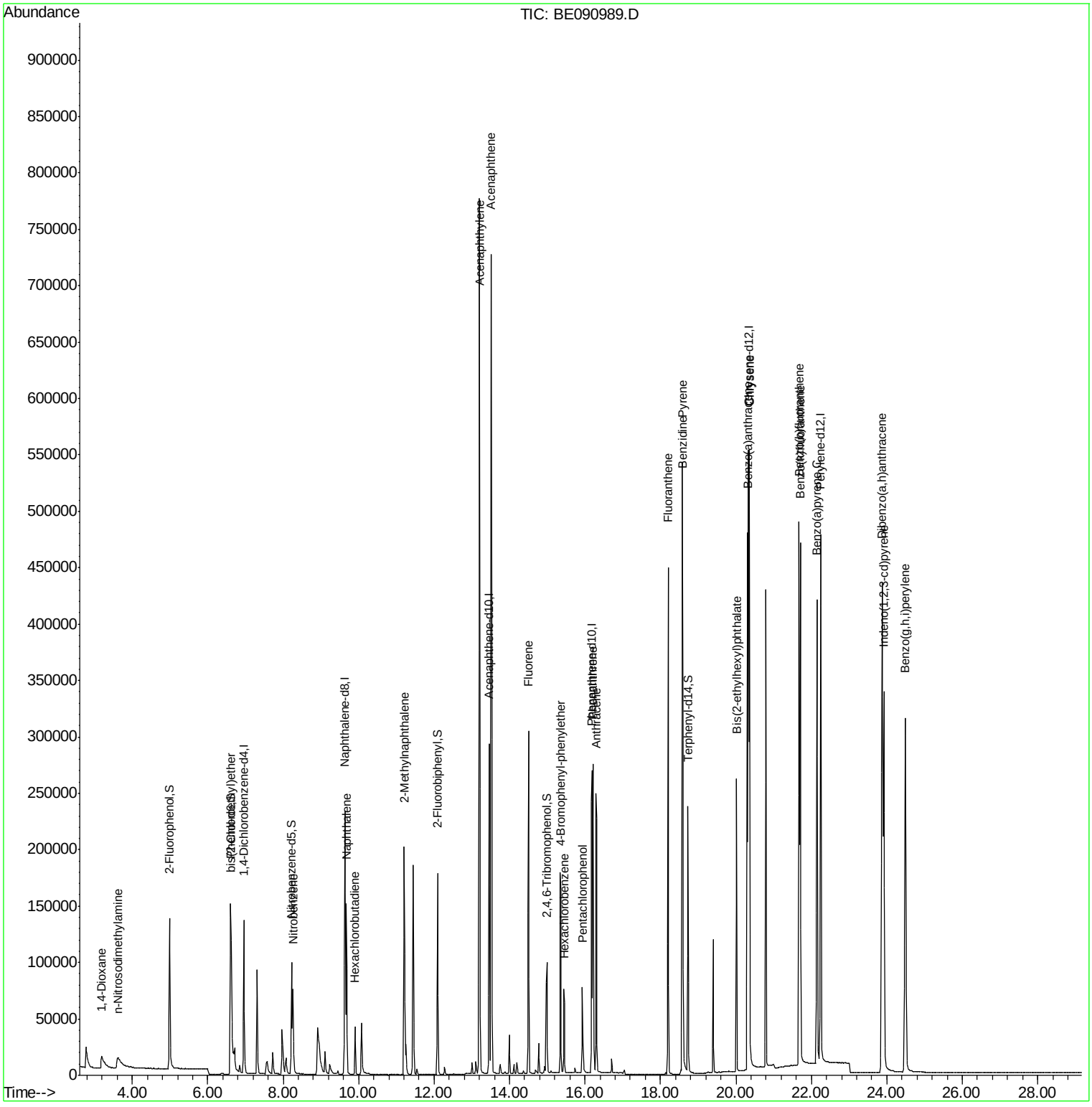
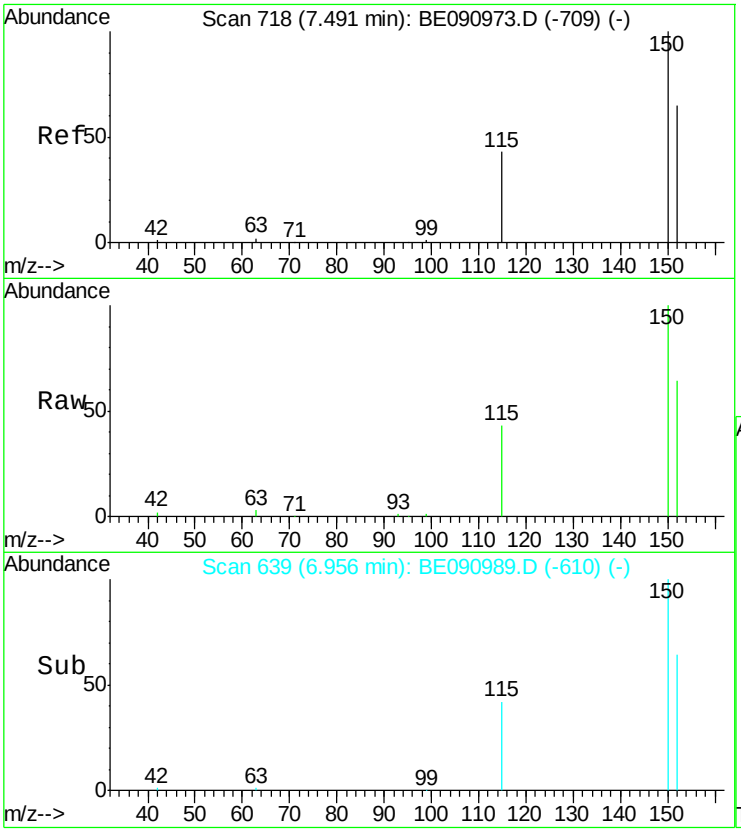
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 08 01:45:47 2015
Response via : Initial Calibration



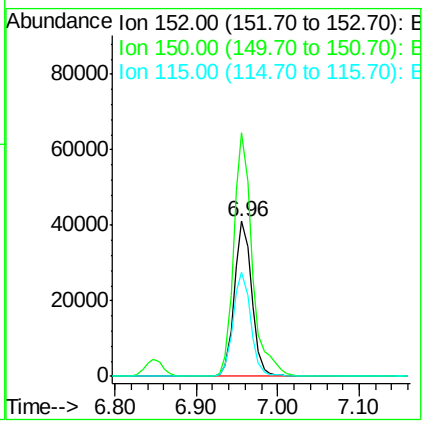


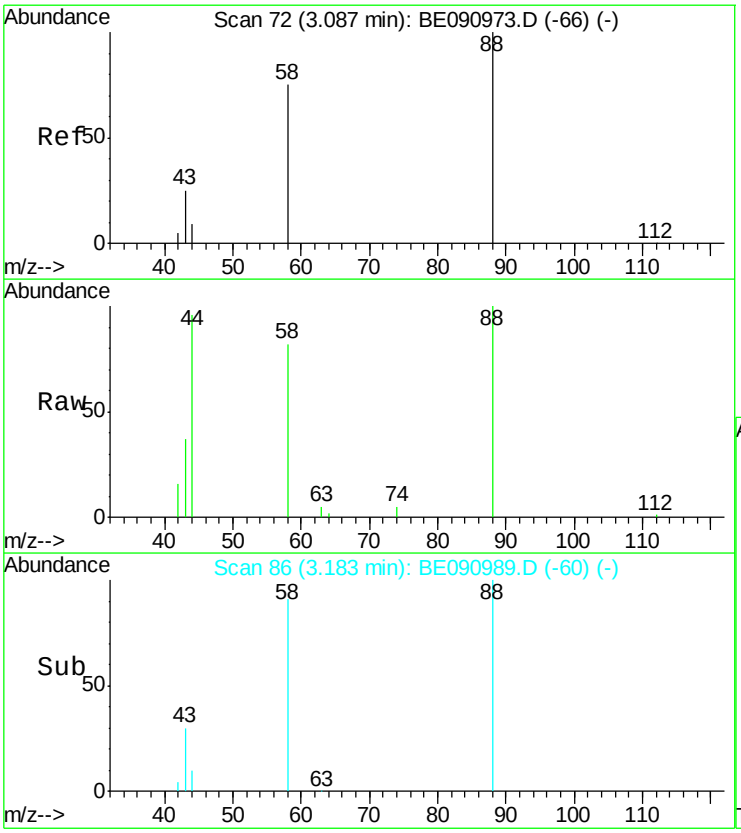
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.96 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:152 Resp: 60269

Ion	Ratio	Lower	Upper
152	100		
150	157.1	122.6	183.8
115	66.8	52.8	79.2

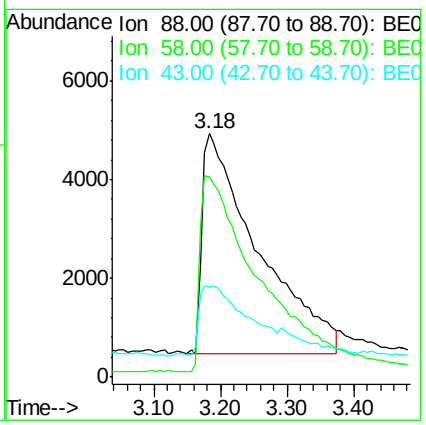


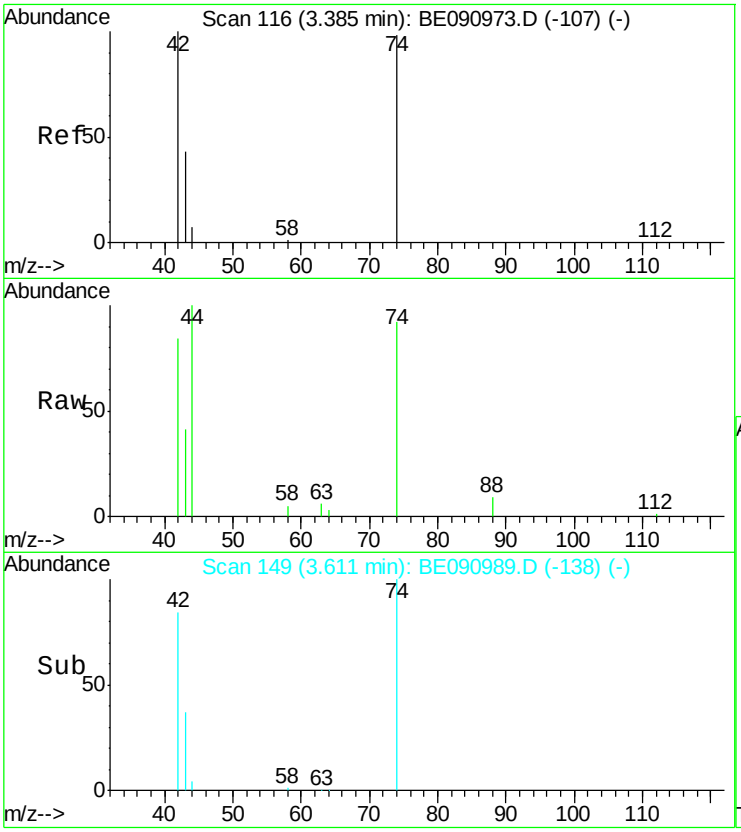


#2
1,4-Dioxane
Concen: 3.24 ng
RT: 3.18 min Scan# 86
Delta R.T. -0.02 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion: 88 Resp: 25800

Ion	Ratio	Lower	Upper
88	100		
58	92.7	65.8	98.6
43	33.2	25.3	37.9



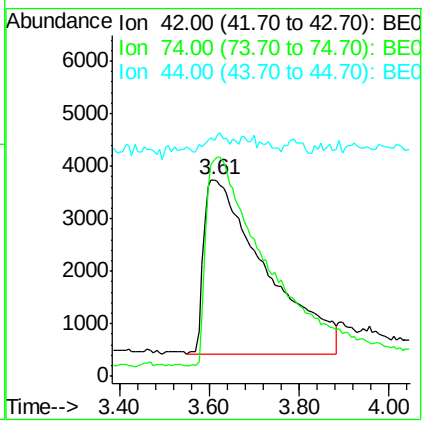


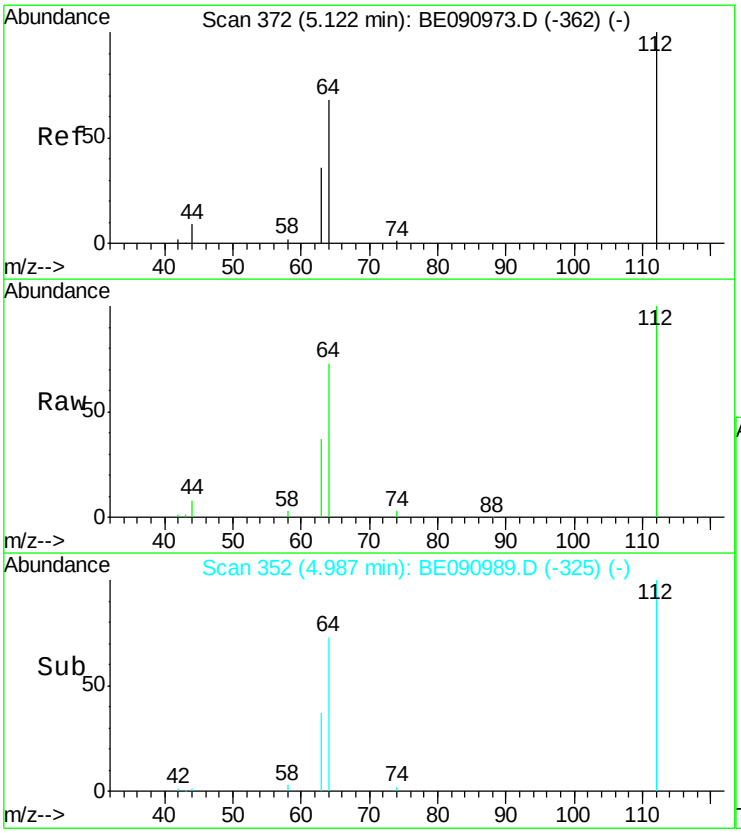
#3
n-Nitrosodimethylamine
Concen: 3.35 ng
RT: 3.61 min Scan# 149
Delta R.T. -0.12 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion: 42 Resp: 31620

Ion	Ratio	Lower	Upper
42	100		
74	119.8	87.9	131.9
44	3.1	6.6	9.8#

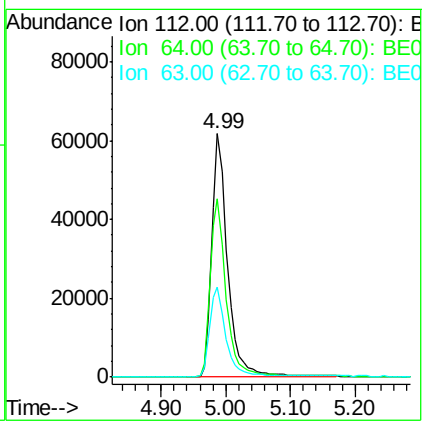


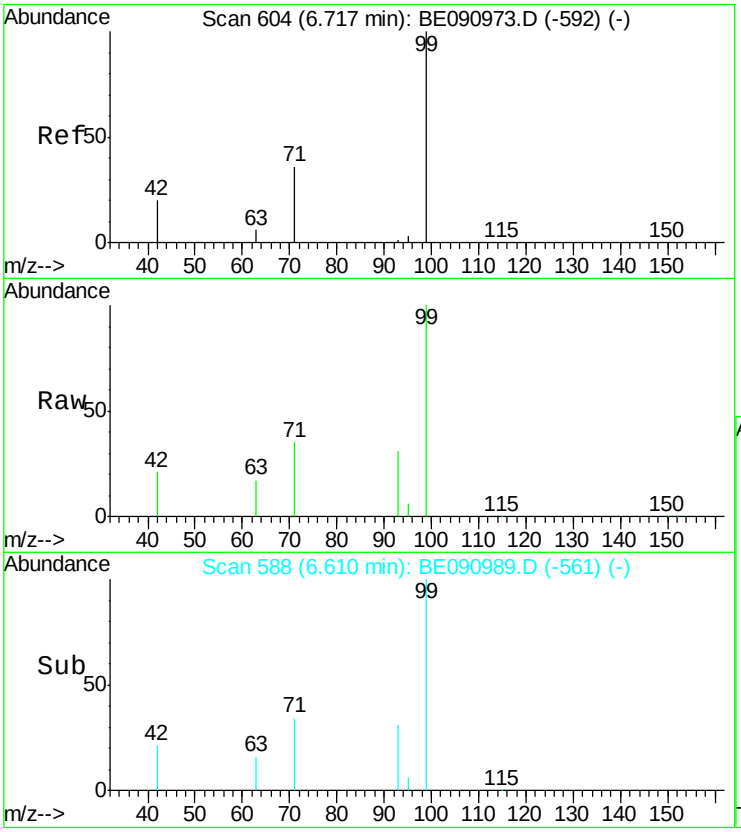


#4
2-Fluorophenol
Concen: 8.53 ng
RT: 4.99 min Scan# 352
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:112 Resp: 104283

Ion	Ratio	Lower	Upper
112	100		
64	73.7	30.9	46.3#
63	36.6	16.7	25.1#



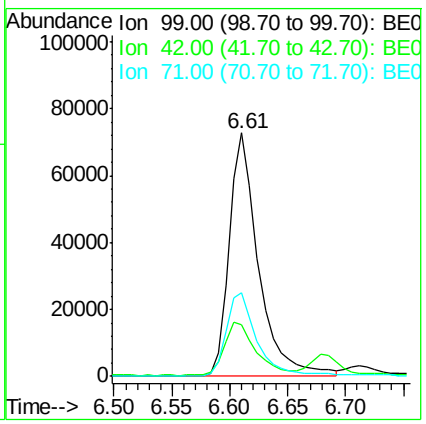


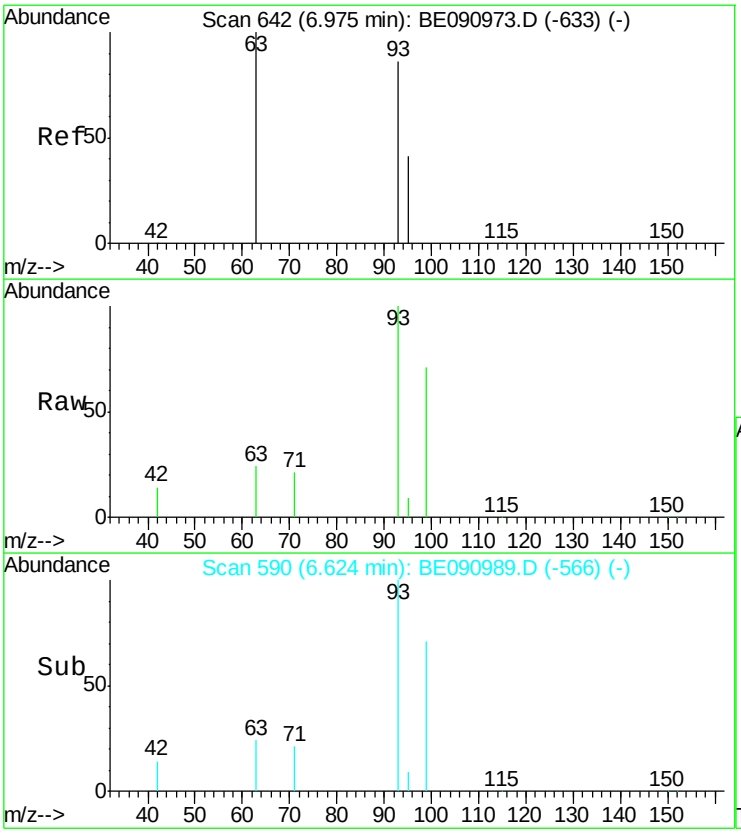
#5
Phenol-d6
Concen: 8.33 ng
RT: 6.61 min Scan# 588
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion: 99 Resp: 128462

Ion	Ratio	Lower	Upper
99	100		
42	23.9	16.2	24.2
71	37.2	29.0	43.4

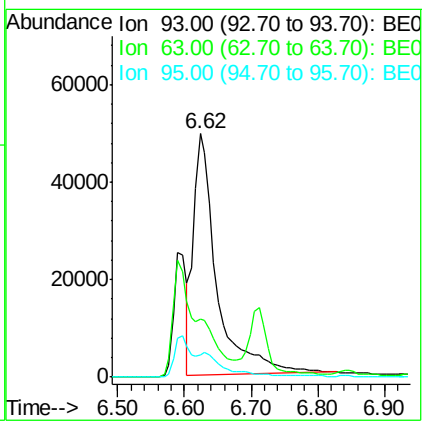


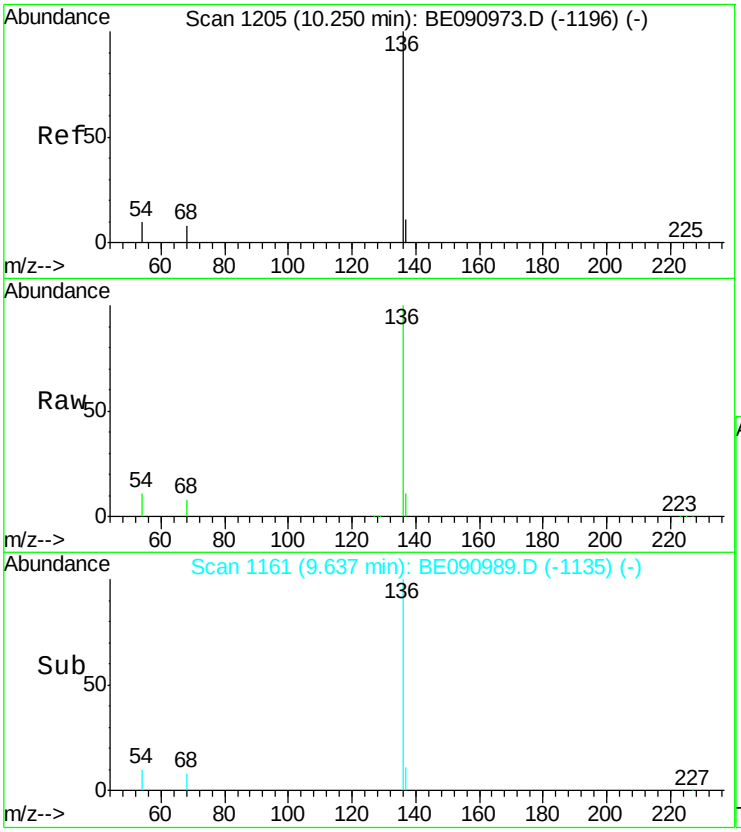


#6
bis(2-Chloroethyl)ether
Concen: 7.36 ng
RT: 6.62 min Scan# 590
Delta R.T. -0.03 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion: 93 Resp: 121305

Ion	Ratio	Lower	Upper
93	100		
63	0.0	49.5	74.3#
95	0.0	22.2	33.4#



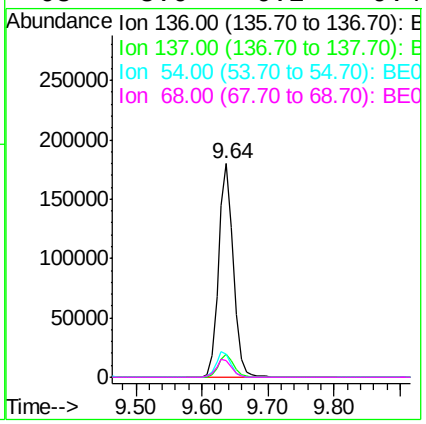


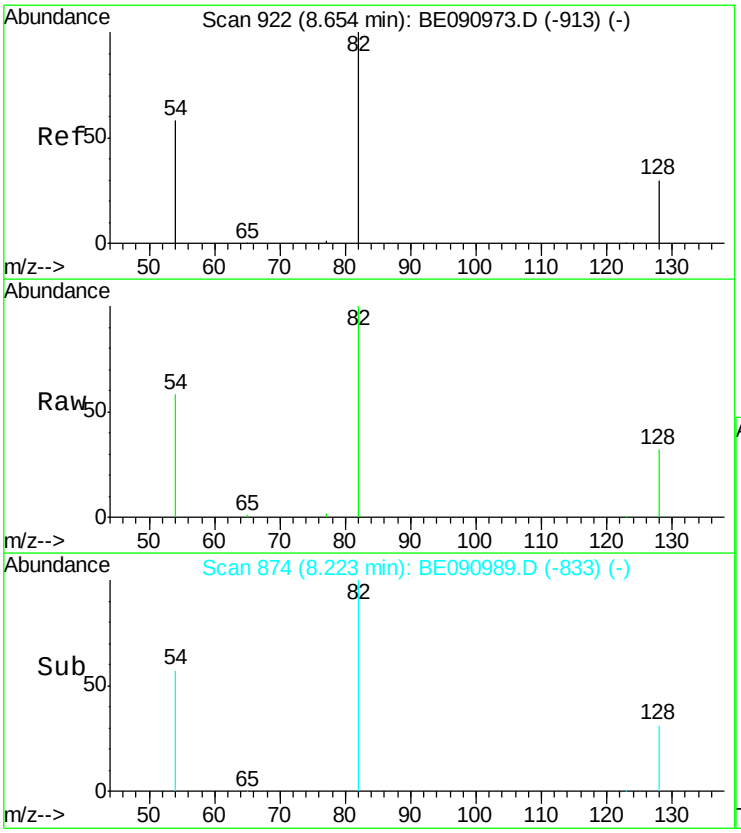
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 9.64 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:136 Resp: 279573

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	11.0	8.2	12.4
68	8.0	6.2	9.4

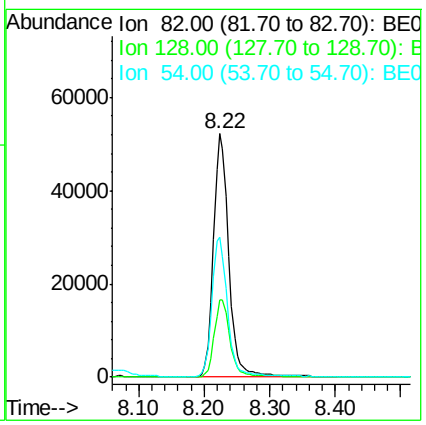


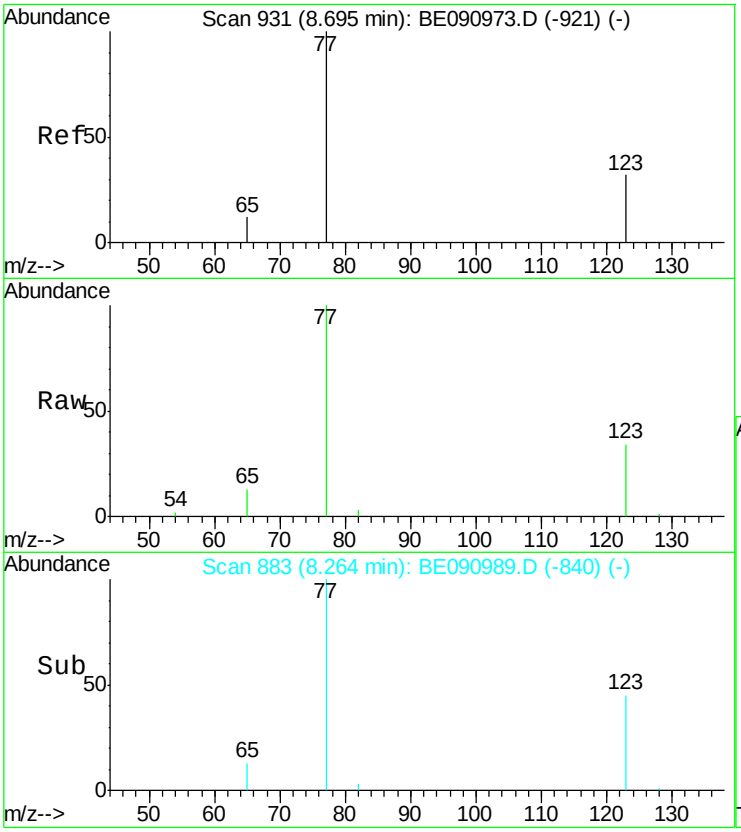


#8
Nitrobenzene-d5
Concen: 4.58 ng
RT: 8.22 min Scan# 874
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion: 82 Resp: 84267

Ion	Ratio	Lower	Upper
82	100		
128	31.5	25.4	38.0
54	57.7	48.4	72.6



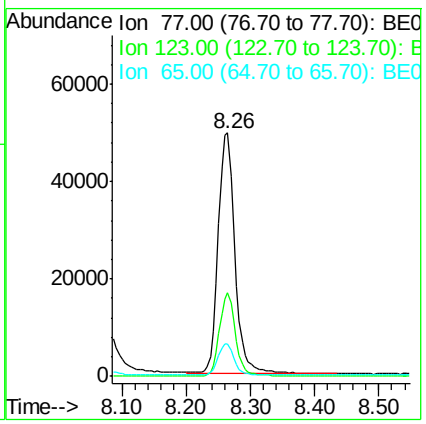


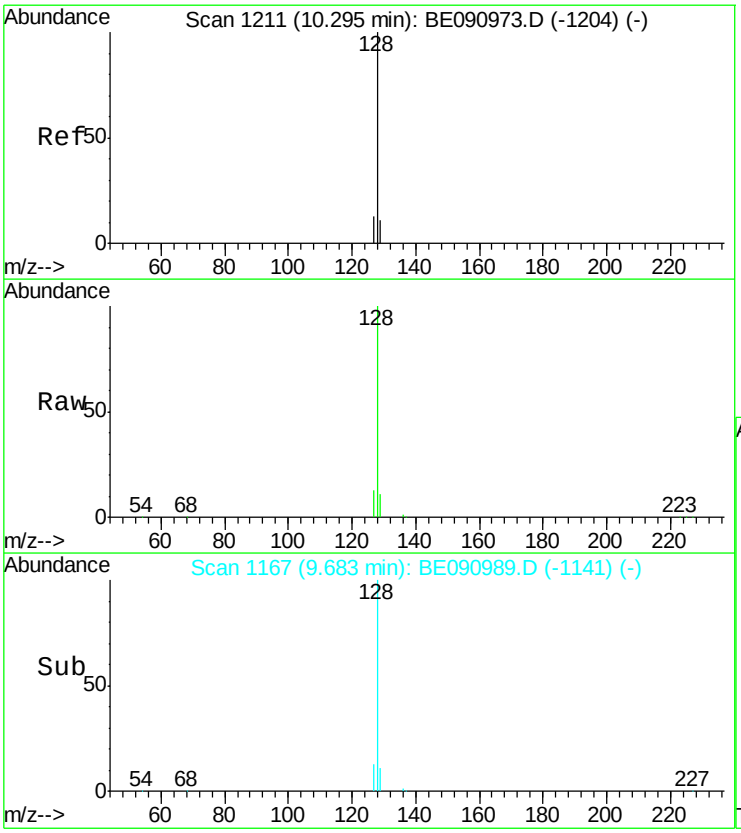
#9
Nitrobenzene
Concen: 4.32 ng
RT: 8.26 min Scan# 883
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion: 77 Resp: 89997

Ion	Ratio	Lower	Upper
77	100		
123	33.1	26.9	40.3
65	12.7	9.4	14.2

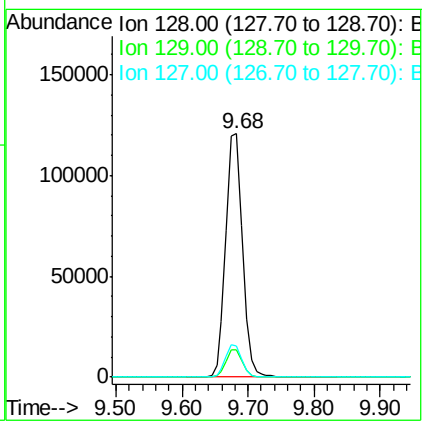


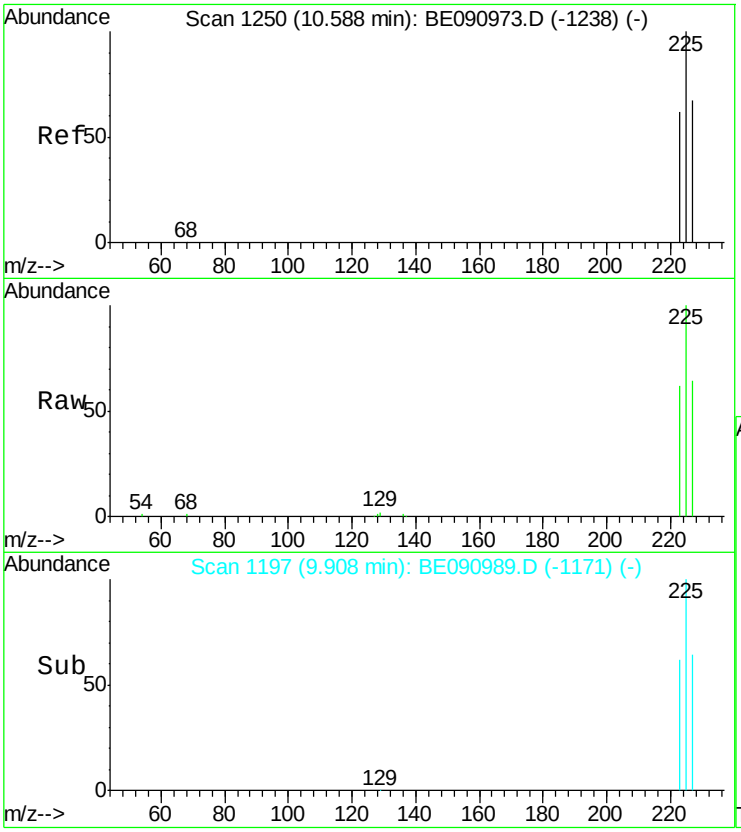


#10
Naphthalene
Concen: 3.91 ng
RT: 9.68 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:128 Resp: 210545

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.3	13.9
127	12.7	10.7	16.1



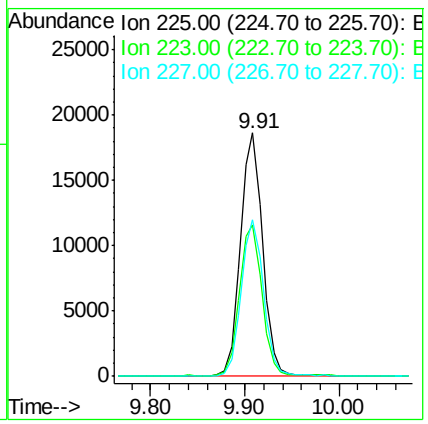


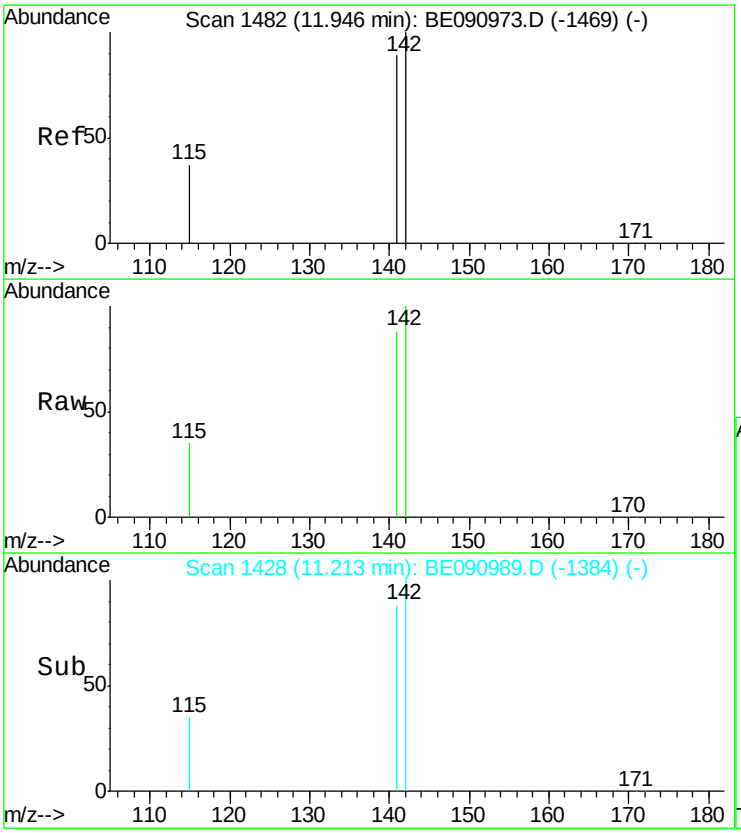
#11
Hexachlorobutadiene
Concen: 3.54 ng
RT: 9.91 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:225 Resp: 30378

Ion	Ratio	Lower	Upper
225	100		
223	62.8	49.0	73.6
227	64.5	50.3	75.5

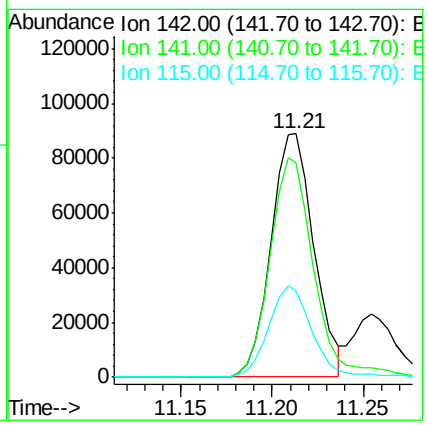


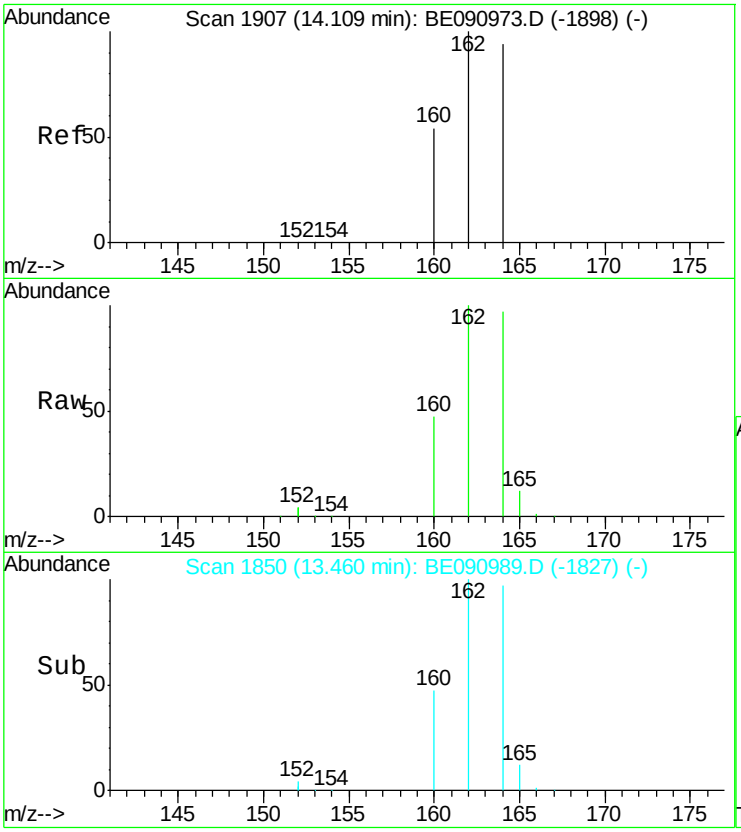


#12
2-Methylnaphthalene
Concen: 4.10 ng
RT: 11.21 min Scan# 1428
Delta R.T. -0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:142 Resp: 145328

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.4	107.0
115	35.2	30.3	45.5



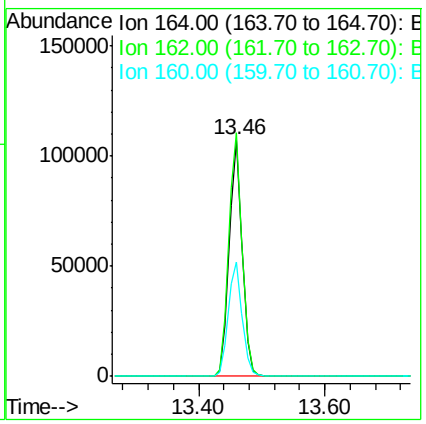


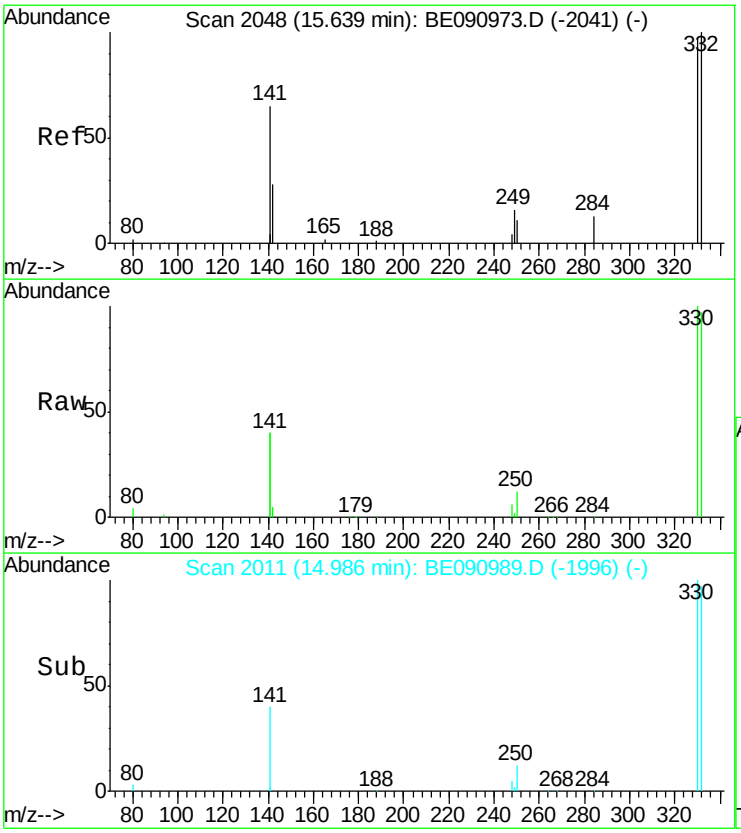
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.46 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:164 Resp: 152969

Ion	Ratio	Lower	Upper
164	100		
162	103.0	85.3	127.9
160	48.4	46.2	69.2

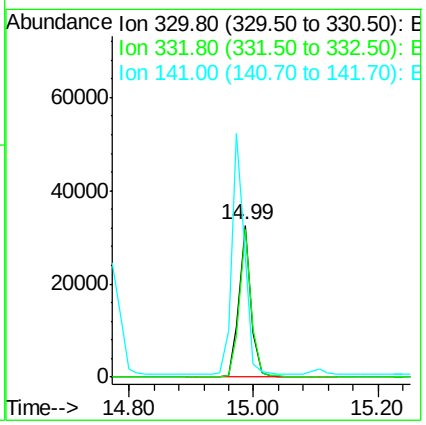


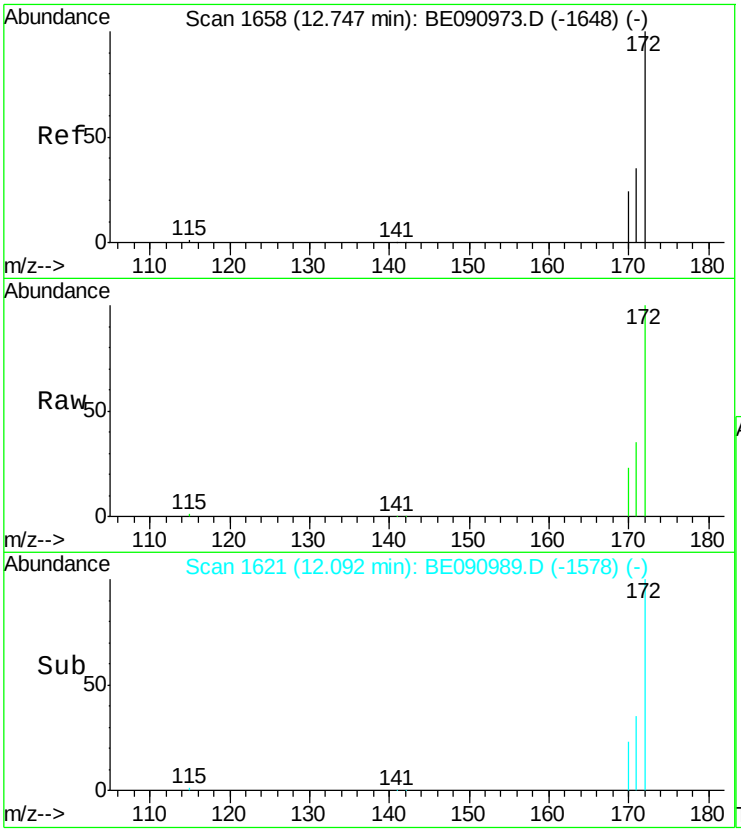


#14
2,4,6-Tribromophenol
Concen: 8.27 ng
RT: 14.99 min Scan# 2011
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:330 Resp: 43849

Ion	Ratio	Lower	Upper
330	100		
332	96.5	79.1	118.7
141	164.5	125.4	188.0



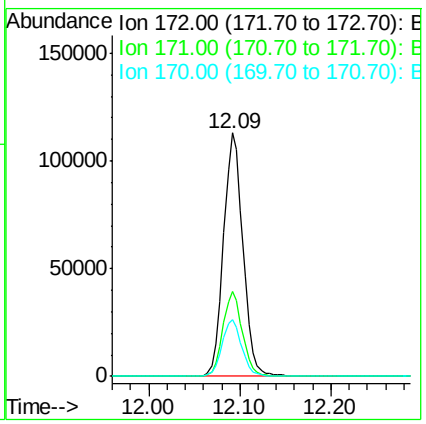


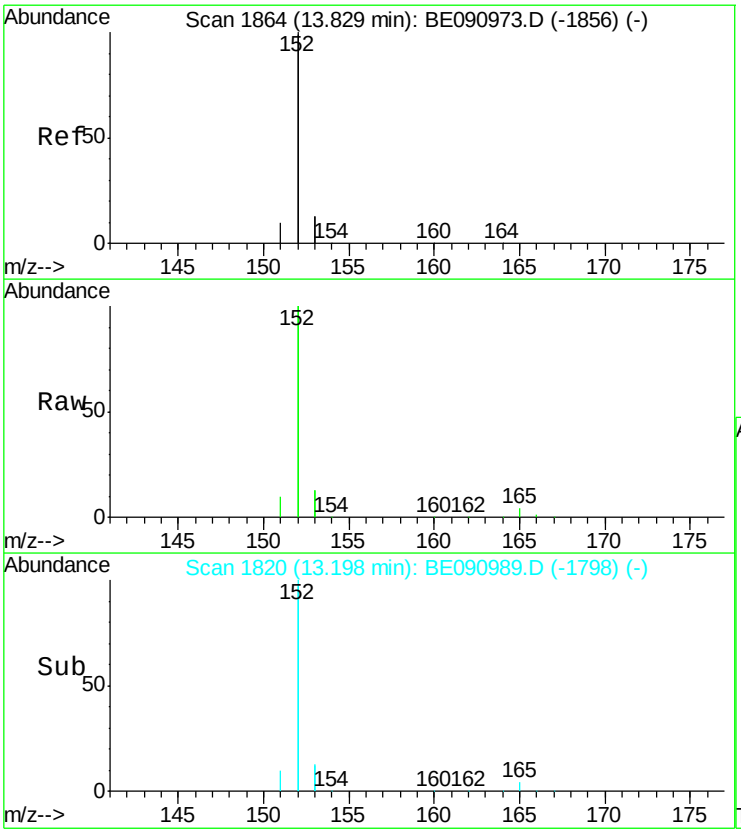
#15
2-Fluorobiphenyl
Concen: 4.02 ng
RT: 12.09 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:172 Resp: 166518

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.8	43.2
170	23.2	19.3	28.9

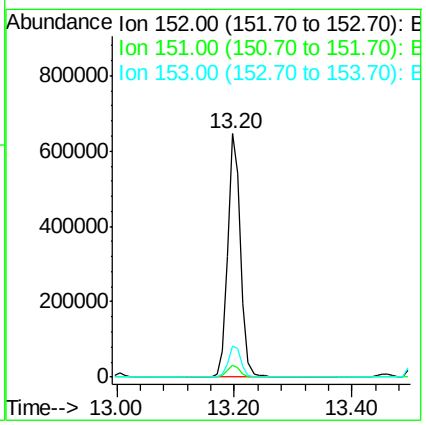


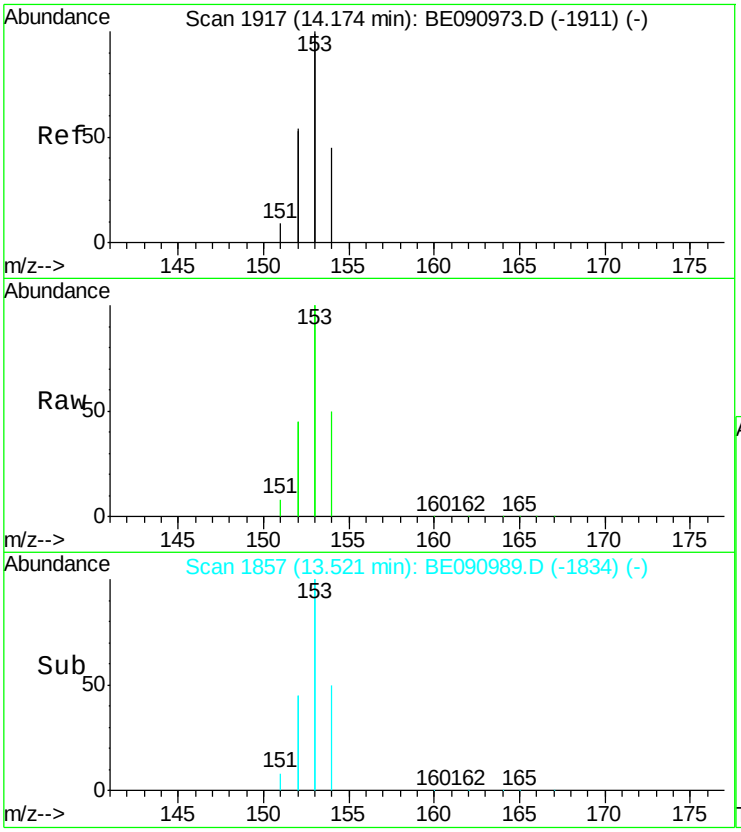


#16
Acenaphthylene
Concen: 3.77 ng
RT: 13.20 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:152 Resp: 963776

Ion	Ratio	Lower	Upper
152	100		
151	4.8	3.9	5.9
153	13.0	10.3	15.5



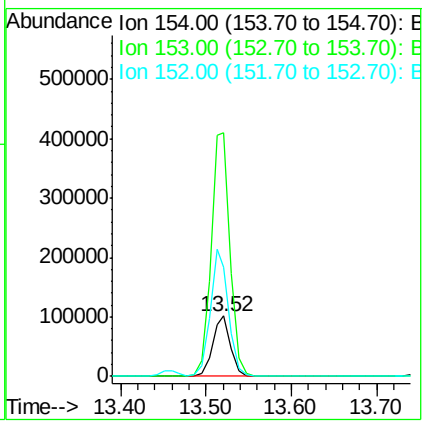


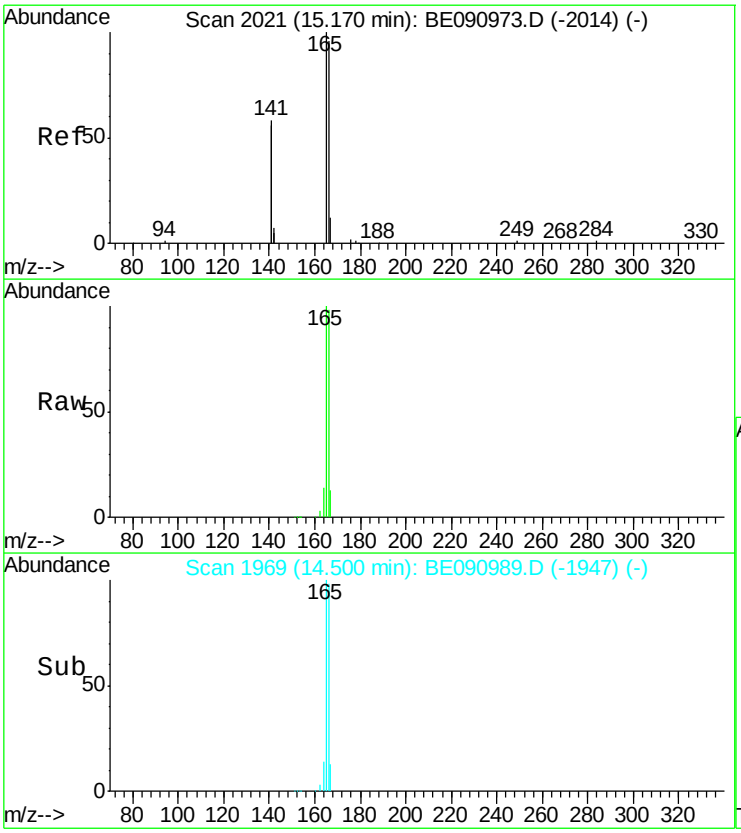
#17
Acenaphthene
Concen: 3.62 ng
RT: 13.52 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:154 Resp: 147929

Ion	Ratio	Lower	Upper
154	100		
153	431.8	352.0	528.0
152	214.1	200.0	300.0

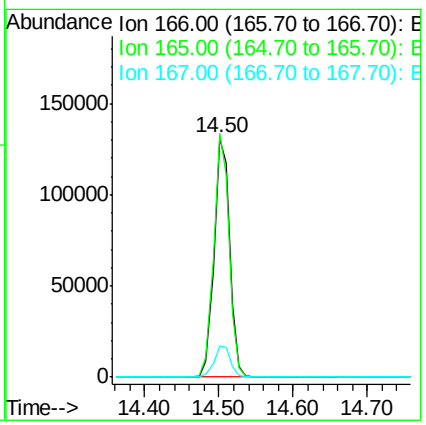


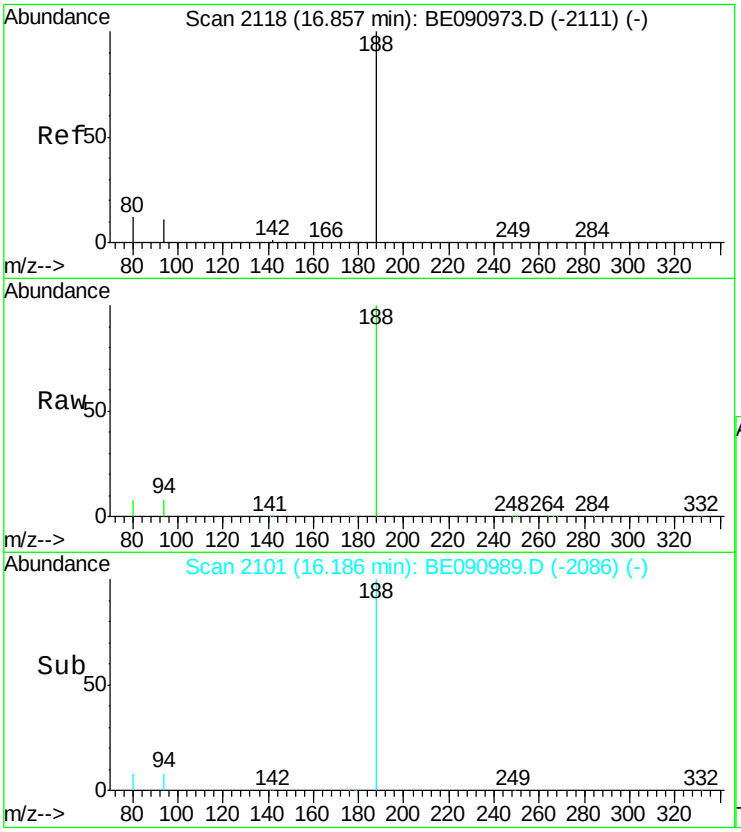


#18
Fluorene
Concen: 3.78 ng
RT: 14.50 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:166 Resp: 190588

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.8	121.2
167	13.4	10.9	16.3



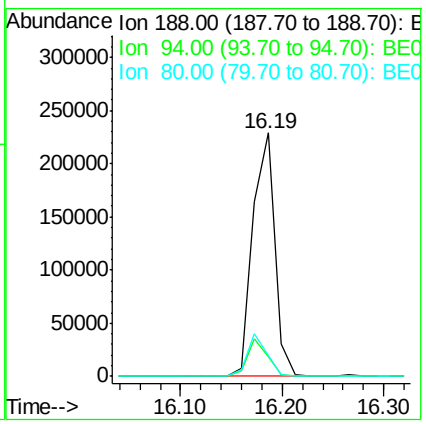


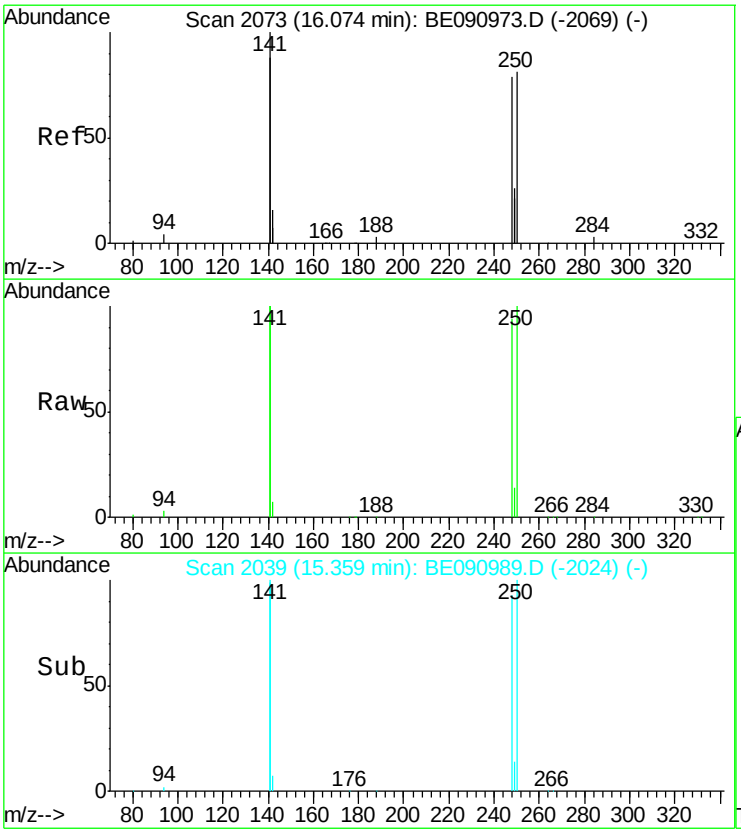
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.19 min Scan# 2101
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:188 Resp: 348019

Ion	Ratio	Lower	Upper
188	100		
94	8.2	8.7	13.1#
80	8.3	9.4	14.0#

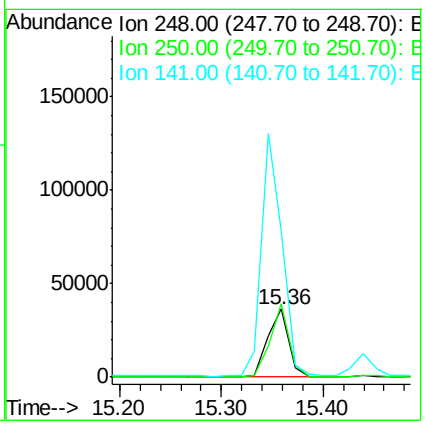


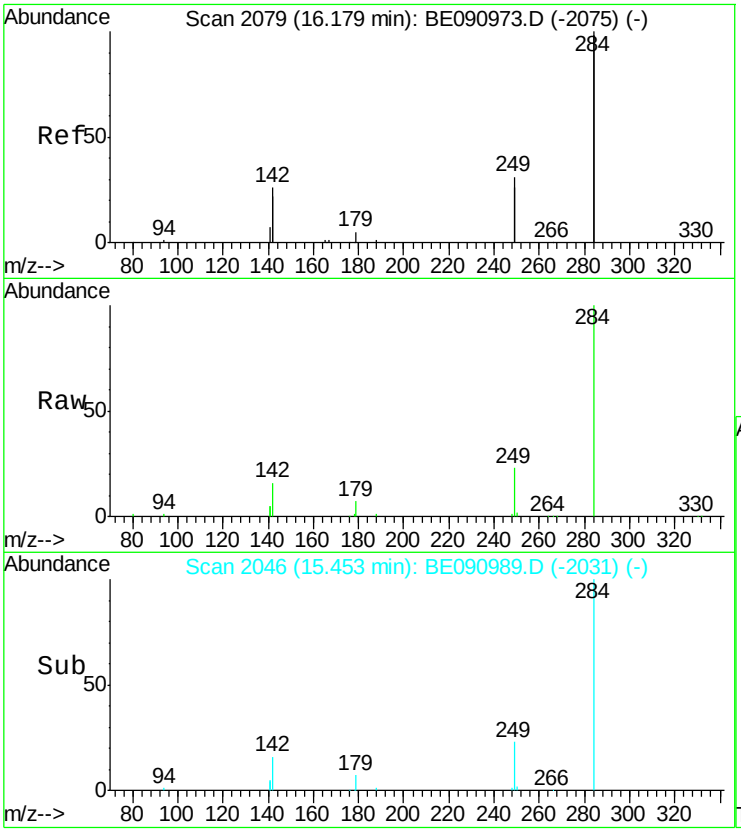


#20
4-Bromophenyl-phenylether
Concen: 3.97 ng
RT: 15.36 min Scan# 2039
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:248 Resp: 52186

Ion	Ratio	Lower	Upper
248	100		
250	97.3	80.5	120.7
141	349.2	261.9	392.9



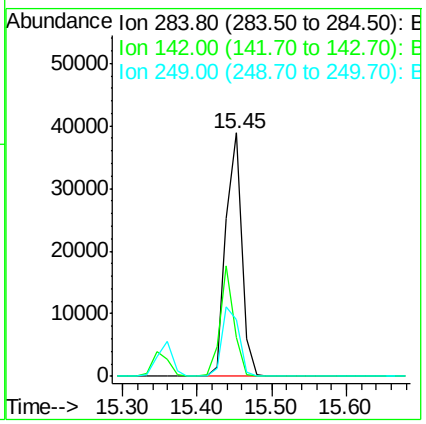


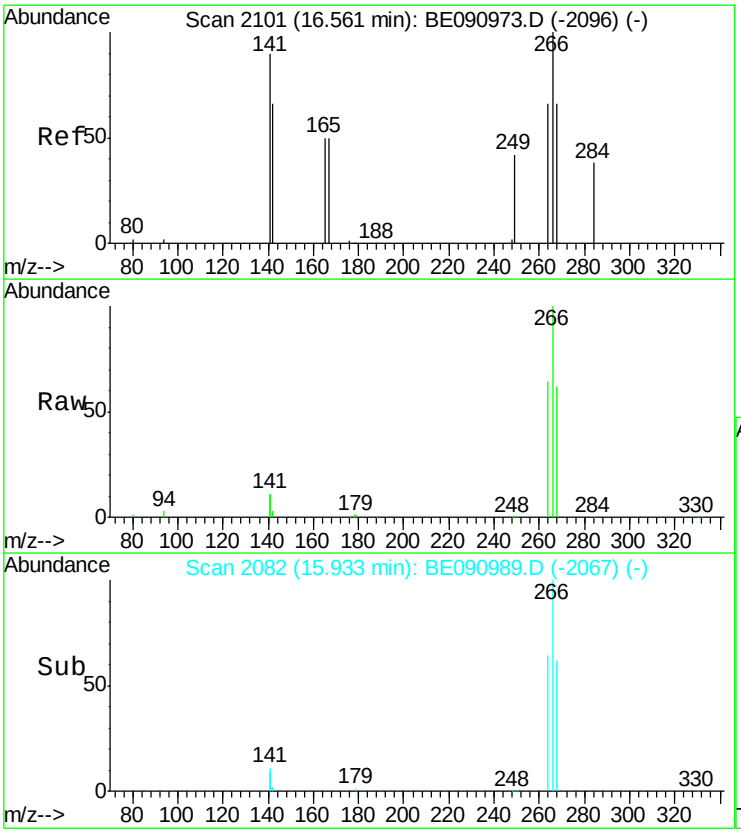
#21
Hexachlorobenzene
Concen: 0.88 ng
RT: 15.45 min Scan# 2046
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:284 Resp: 57447

Ion	Ratio	Lower	Upper
284	100		
142	39.8	32.2	48.2
249	30.6	25.4	38.2

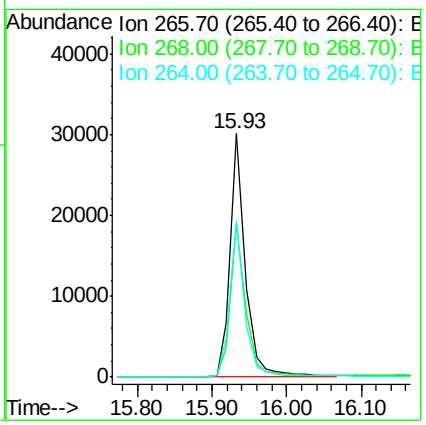


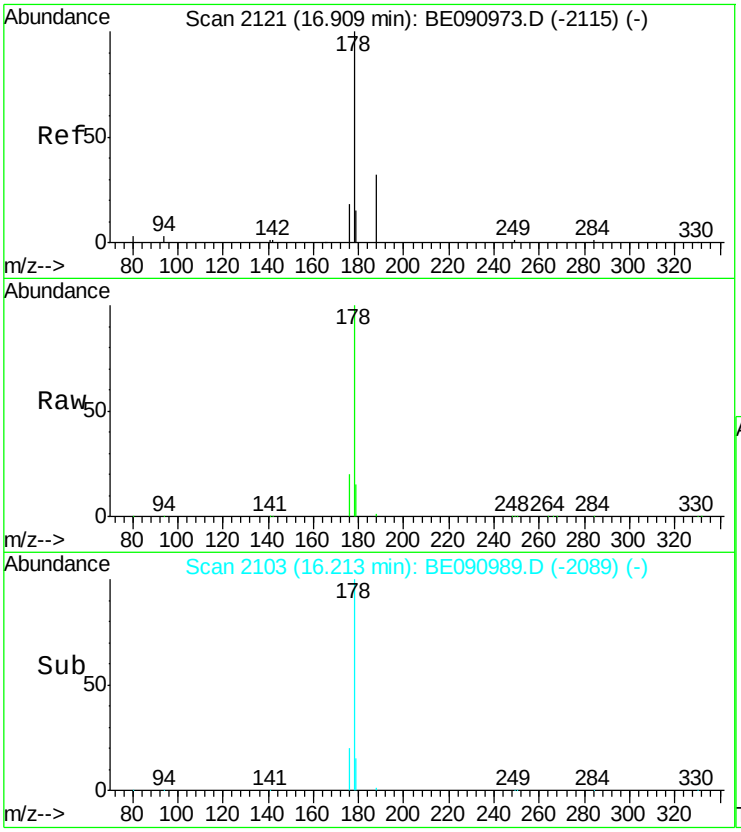


#22
Pentachlorophenol
Concen: 7.59 ng
RT: 15.93 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:266 Resp: 42492

Ion	Ratio	Lower	Upper
266	100		
268	62.5	58.2	87.2
264	64.2	56.2	84.4



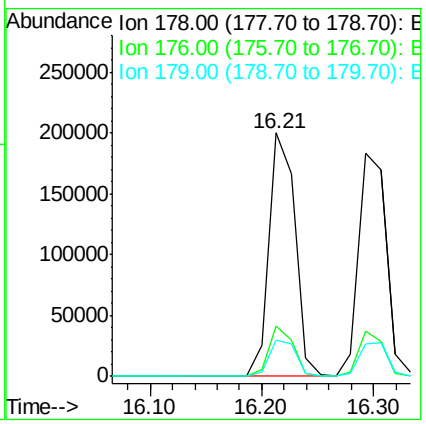


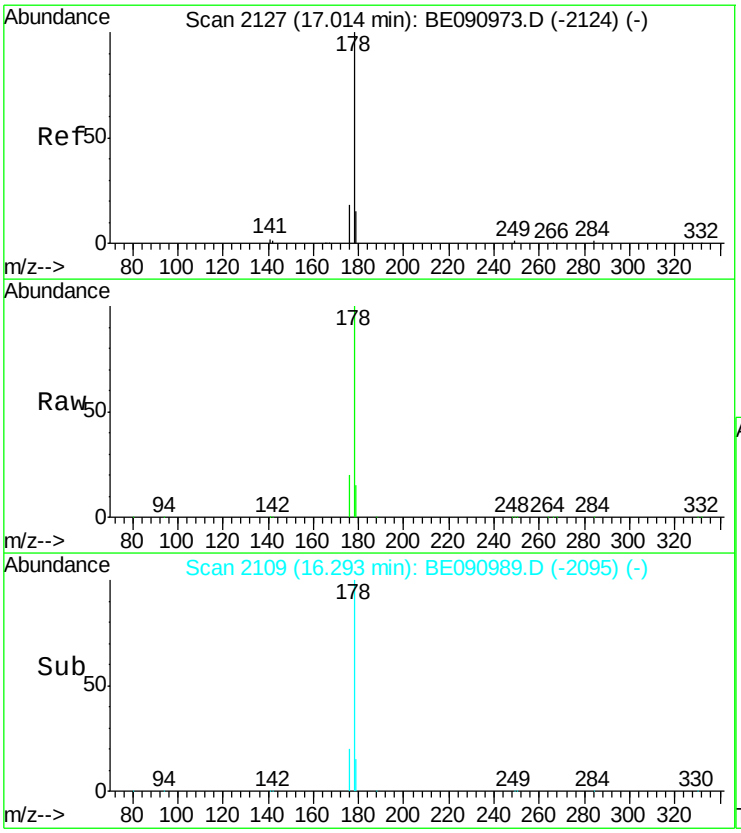
#23
Phenanthrene
Concen: 4.13 ng
RT: 16.21 min Scan# 2103
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:178 Resp: 327250

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.5	12.6	18.8

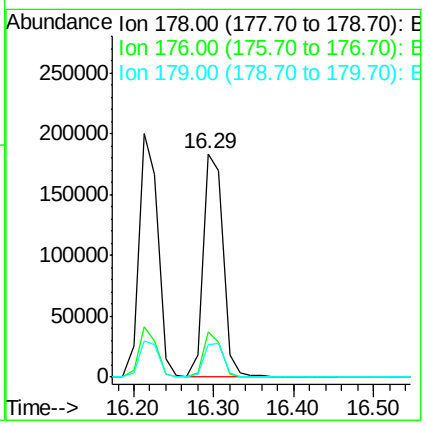


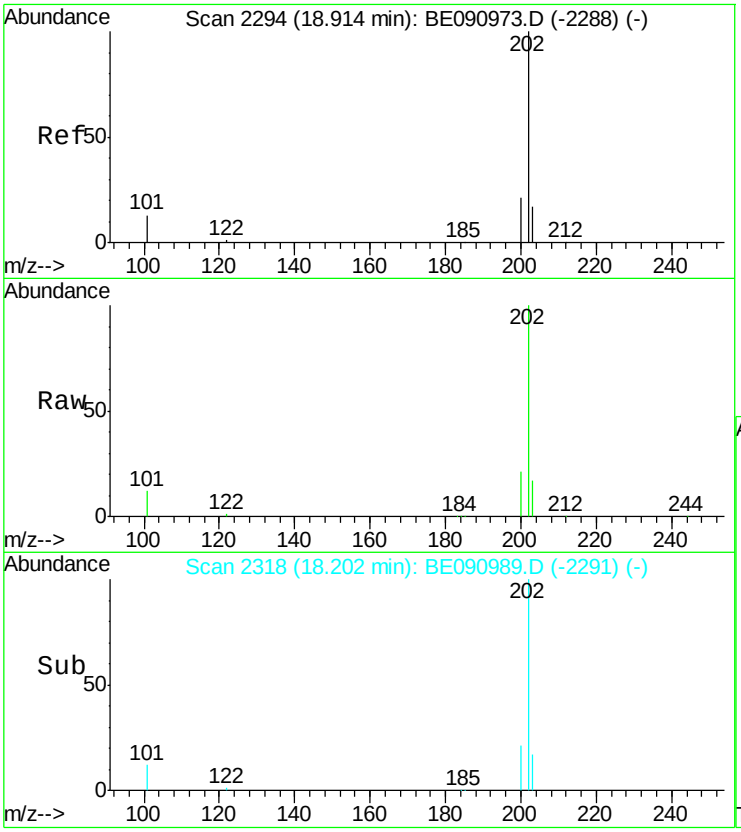


#24
Anthracene
Concen: 4.19 ng
RT: 16.29 min Scan# 2109
Delta R.T. -0.01 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:178 Resp: 316703

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.6	21.8
179	15.3	11.8	17.6



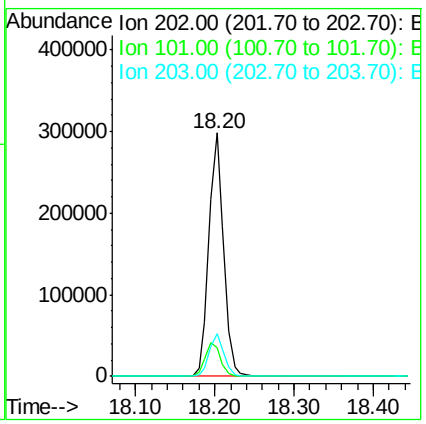


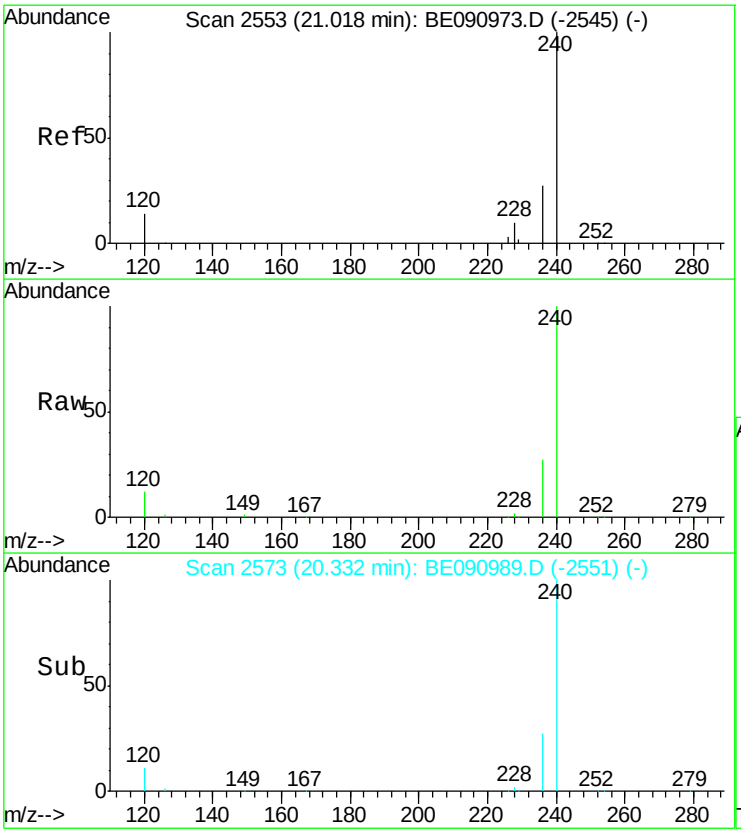
#25
Fluoranthene
Concen: 4.26 ng
RT: 18.20 min Scan# 2318
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:202 Resp: 385351

Ion	Ratio	Lower	Upper
202	100		
101	14.1	11.0	16.6
203	17.4	13.9	20.9

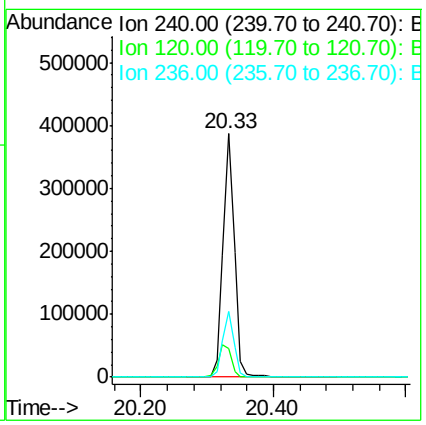


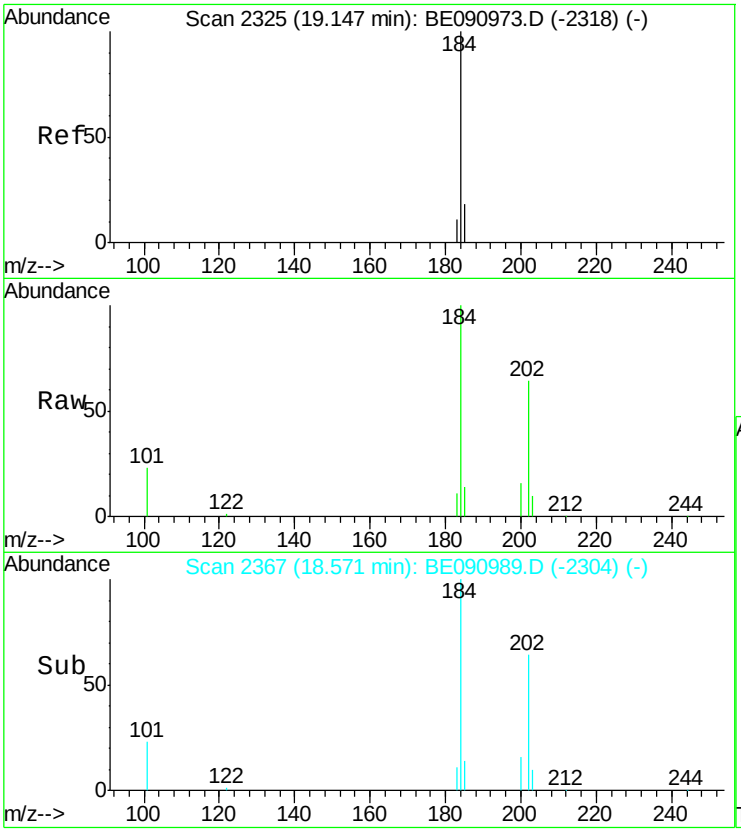


#26
Chrysene-d12
Concen: 5.00 ng
RT: 20.33 min Scan# 2573
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:240 Resp: 460320

Ion	Ratio	Lower	Upper
240	100		
120	11.5	11.0	16.4
236	27.2	21.7	32.5



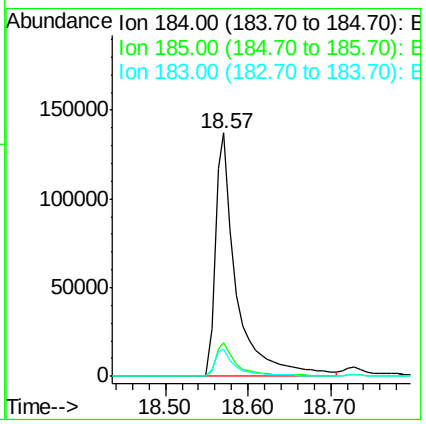


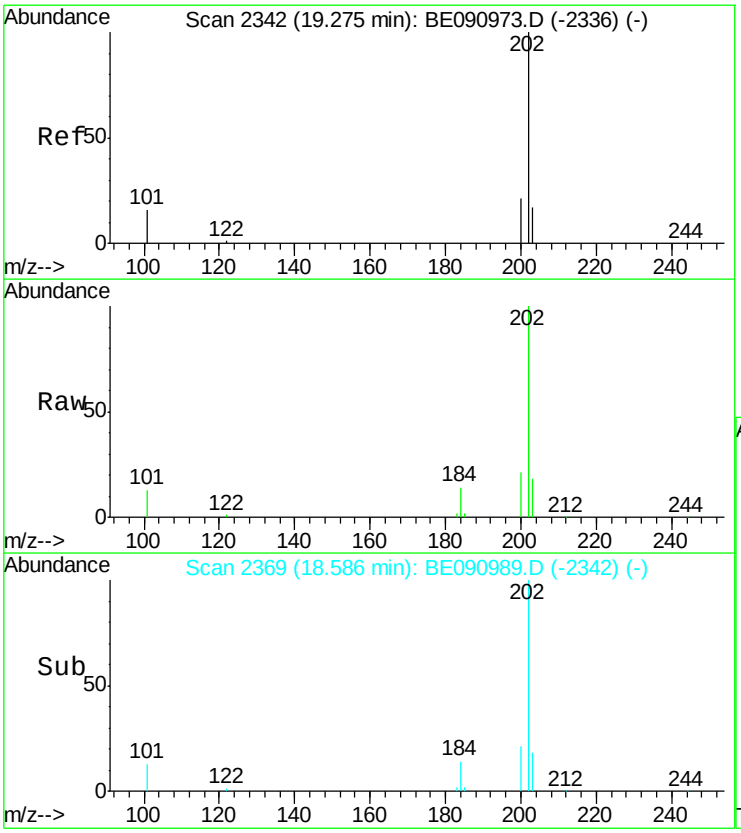
#27
Benzidine
Concen: 10.34 ng
RT: 18.57 min Scan# 2367
Delta R.T. -0.02 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:184 Resp: 244721

Ion	Ratio	Lower	Upper
184	100		
185	14.1	22.3	33.5#
183	11.2	16.4	24.6#

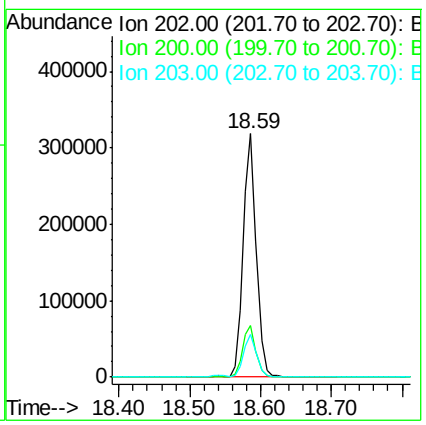


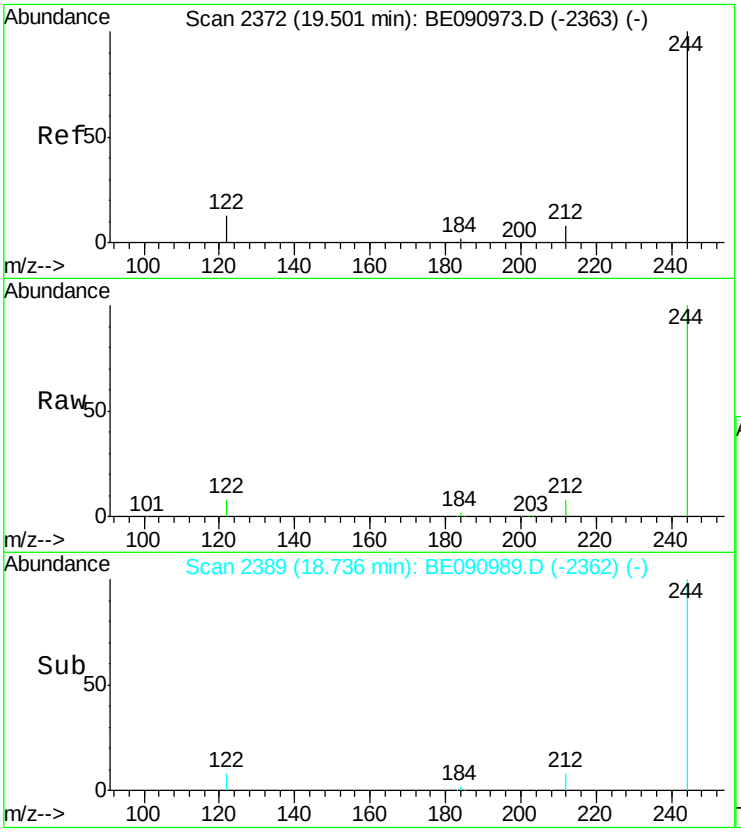


#28
Pyrene
Concen: 3.88 ng
RT: 18.59 min Scan# 2369
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:202 Resp: 410739

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	17.3	14.0	21.0



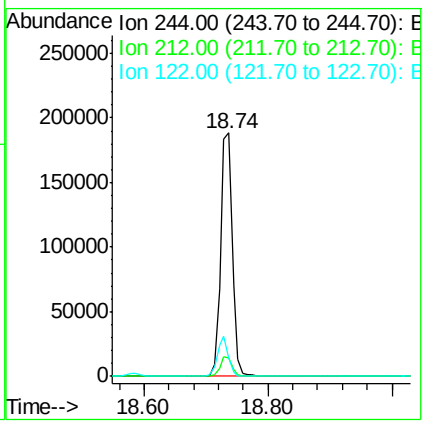


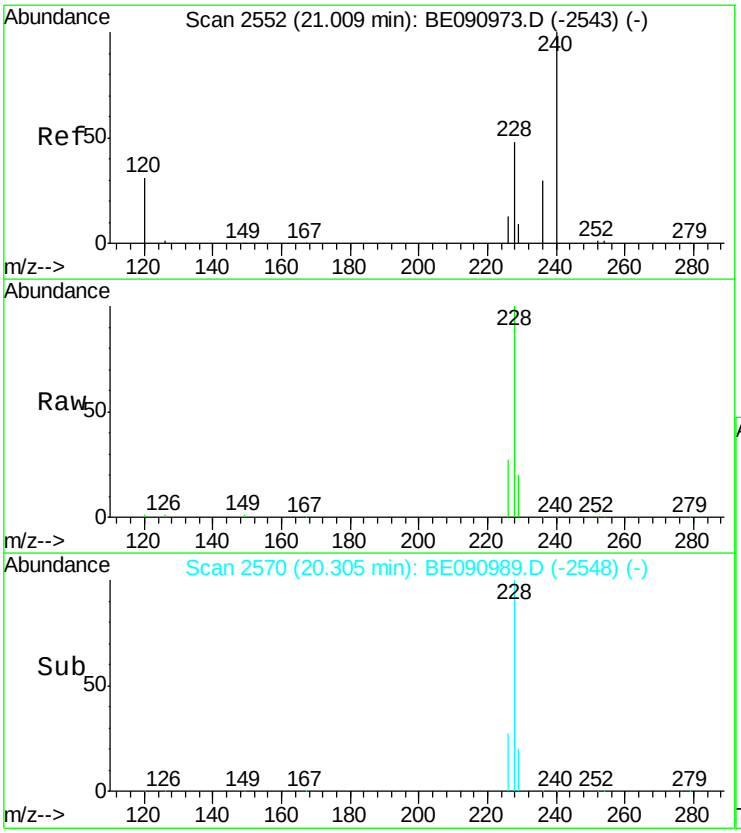
#29
Terphenyl-d14
Concen: 4.31 ng
RT: 18.74 min Scan# 2389
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:244 Resp: 244458

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	7.6	11.0	16.4#

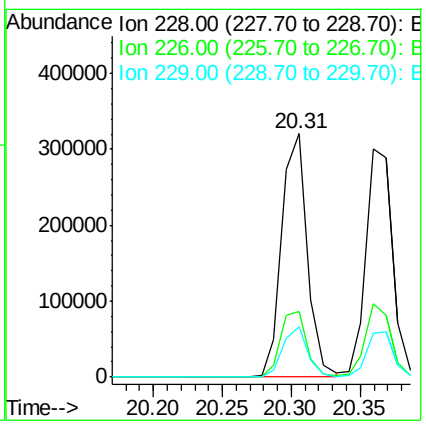


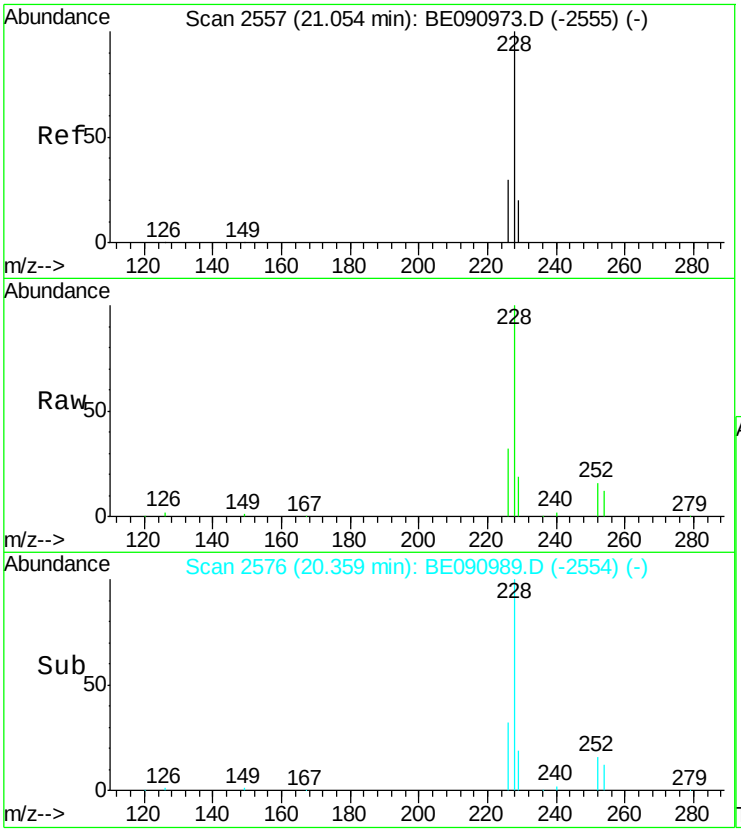


#30
Benzo(a)anthracene
Concen: 4.07 ng
RT: 20.31 min Scan# 2570
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:228 Resp: 416372

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.0	31.4
229	20.4	15.7	23.5



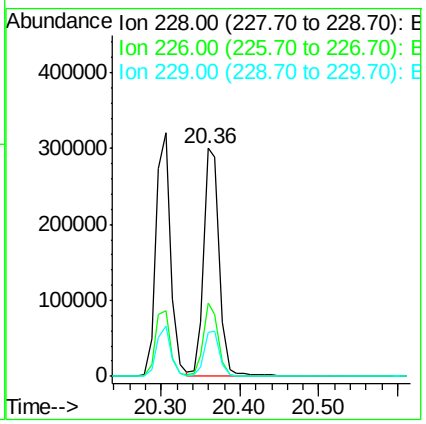


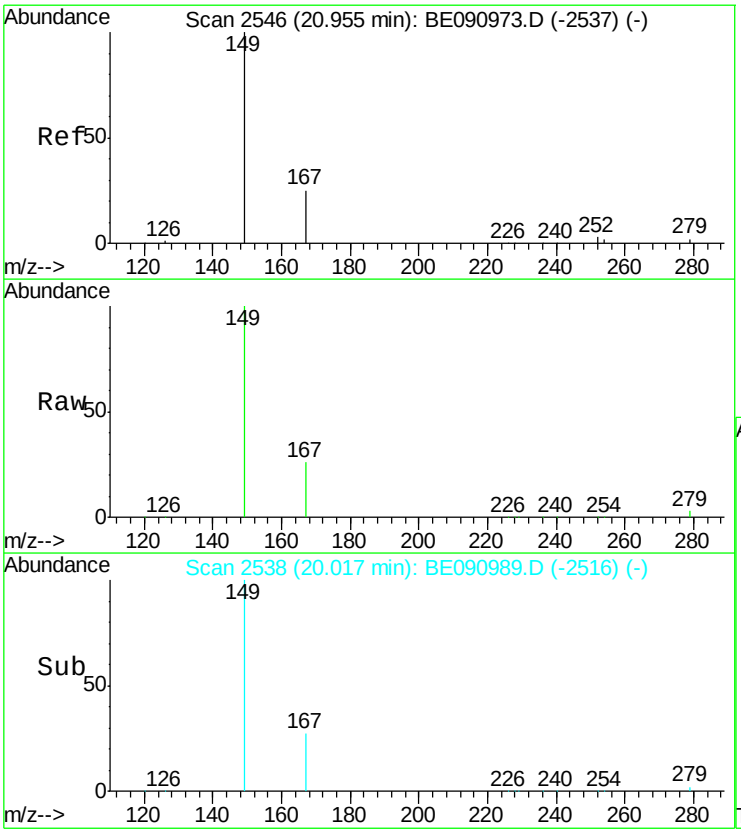
#32
Chrysene
Concen: 3.81 ng
RT: 20.36 min Scan# 2576
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:228 Resp: 412534

Ion	Ratio	Lower	Upper
228	100		
226	32.0	24.0	36.0
229	19.0	15.9	23.9

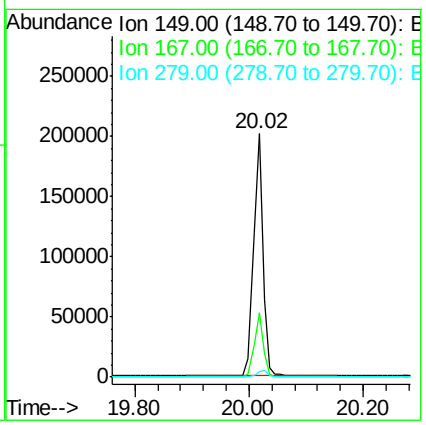


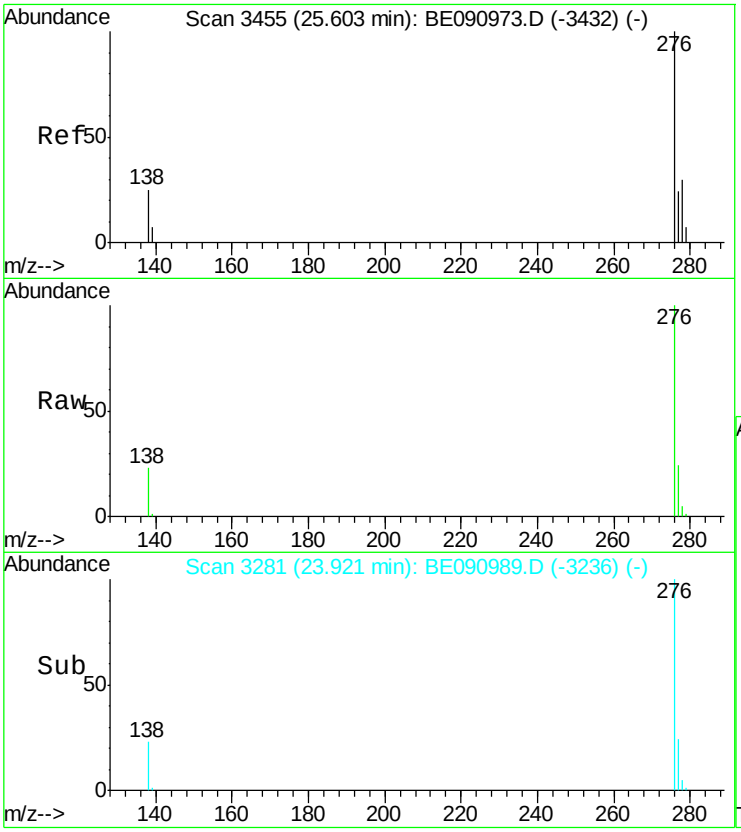


#33
Bis(2-ethylhexyl)phthalate
Concen: 4.88 ng
RT: 20.02 min Scan# 2538
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:149 Resp: 222393

Ion	Ratio	Lower	Upper
149	100		
167	25.5	19.5	29.3
279	3.1	2.3	3.5



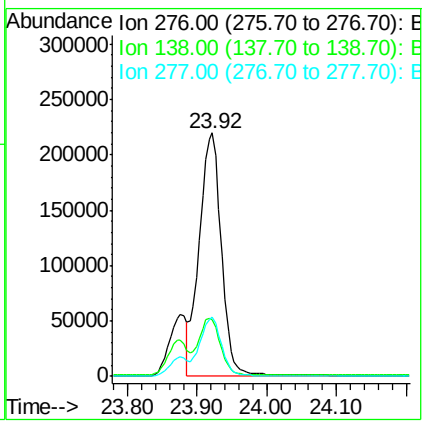


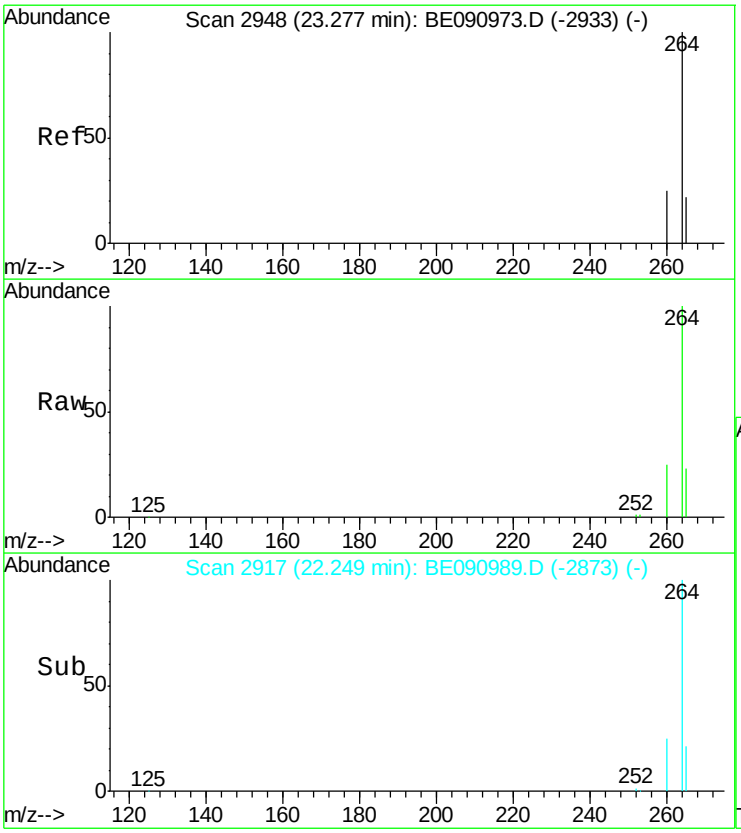
#34
Indeno(1,2,3-cd)pyrene
Concen: 4.19 ng
RT: 23.92 min Scan# 3281
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:276 Resp: 481438

Ion	Ratio	Lower	Upper
276	100		
138	23.0	23.4	35.2#
277	23.4	19.8	29.8

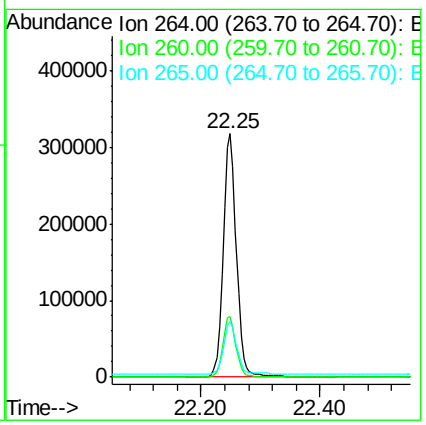


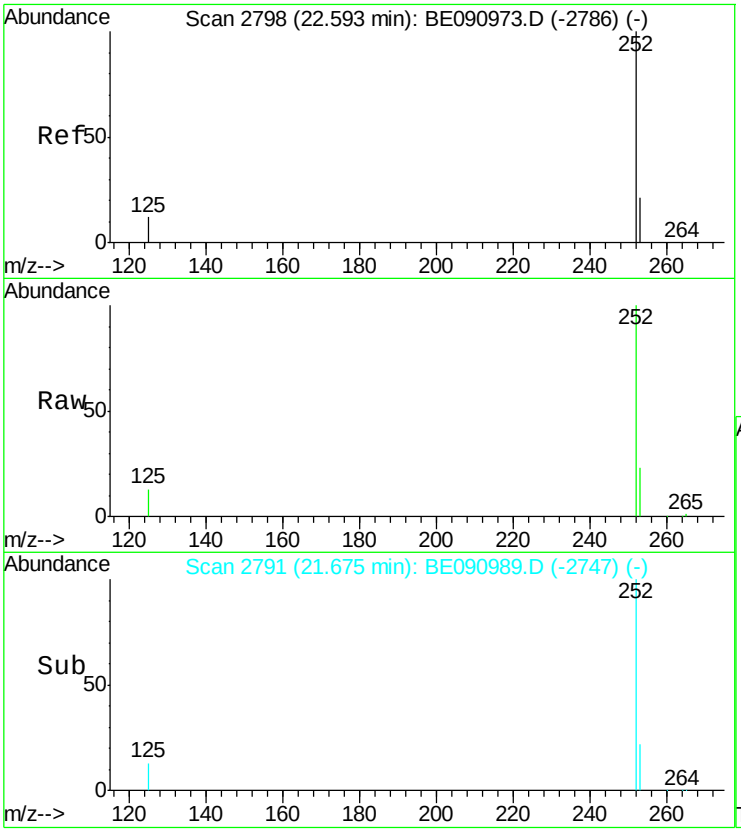


#35
Perylene-d12
Concen: 5.00 ng
RT: 22.25 min Scan# 2917
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:264 Resp: 488450

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.0	30.0
265	22.7	17.5	26.3



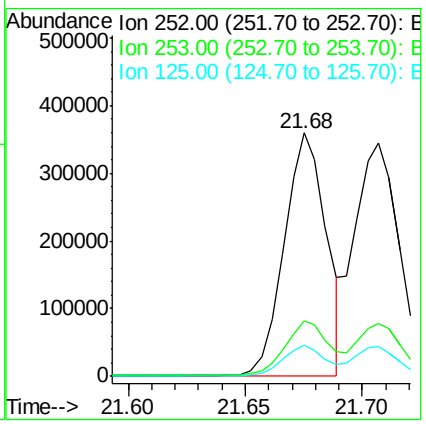


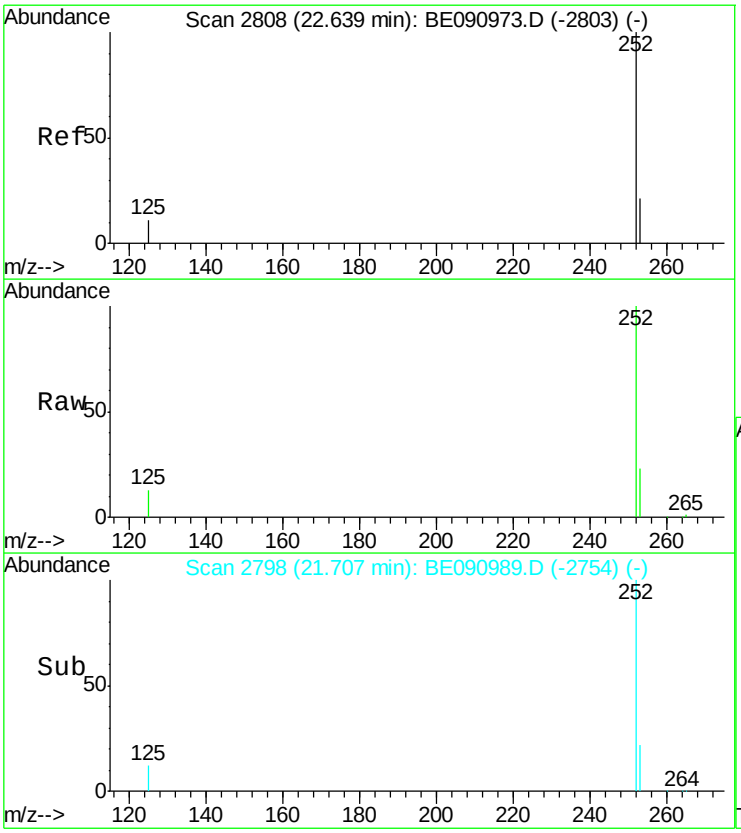
#36
Benzo(b)fluoranthene
Concen: 4.15 ng
RT: 21.68 min Scan# 2791
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:252 Resp: 446518

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	12.8	10.2	15.2

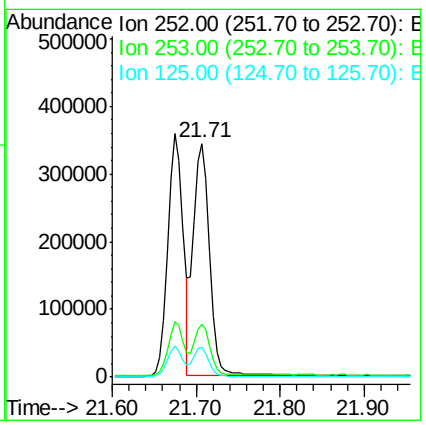


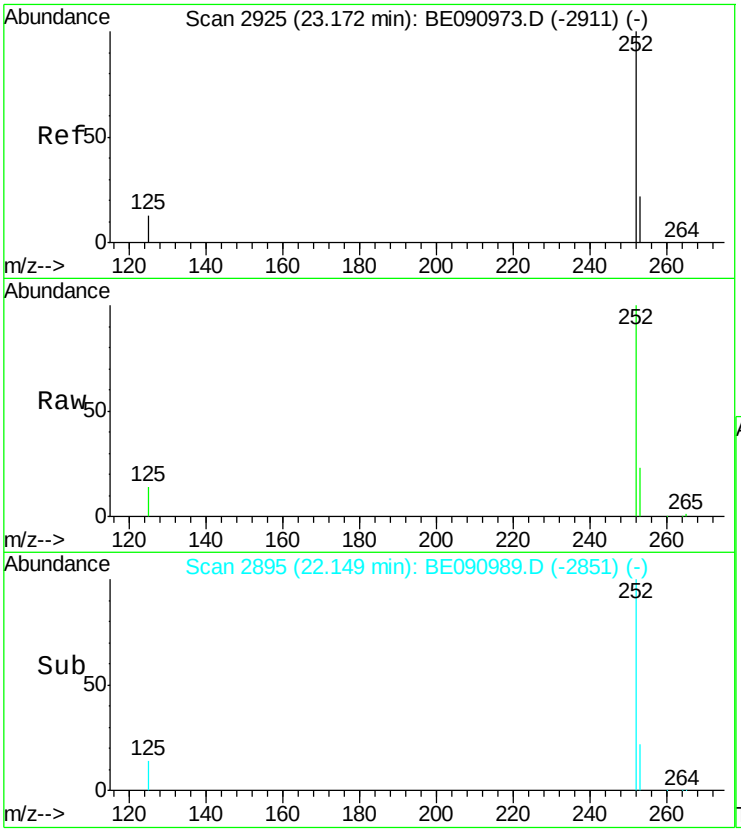


#37
Benzo(k)fluoranthene
Concen: 3.57 ng
RT: 21.71 min Scan# 2798
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:252 Resp: 466780

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.6	26.4
125	12.6	9.9	14.9



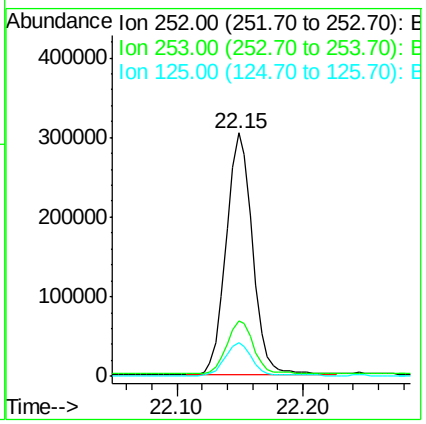


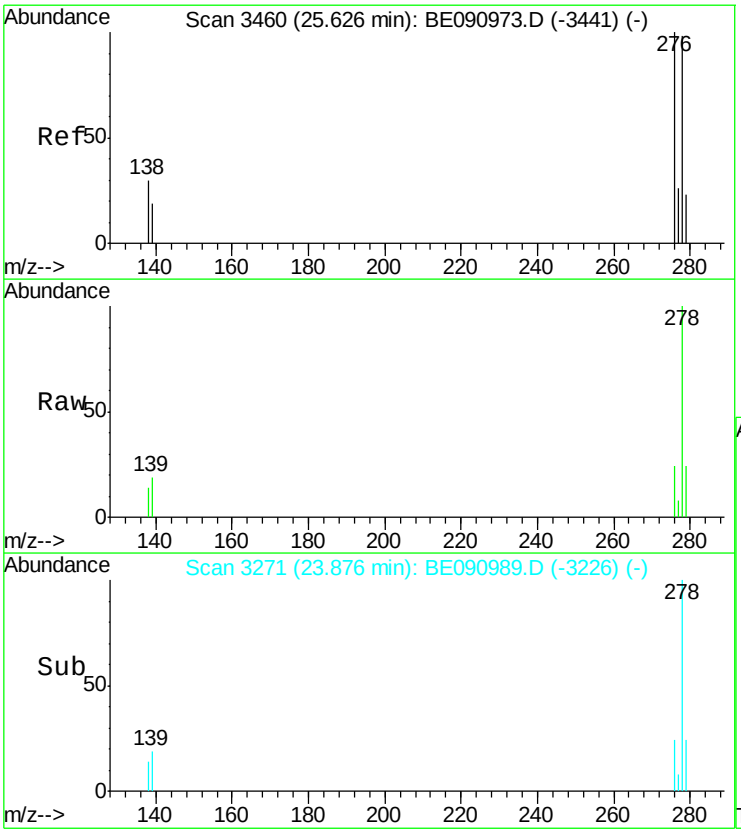
#38
Benzo(a)pyrene
Concen: 4.43 ng
RT: 22.15 min Scan# 2895
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:252 Resp: 442774

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.9	11.0	16.4

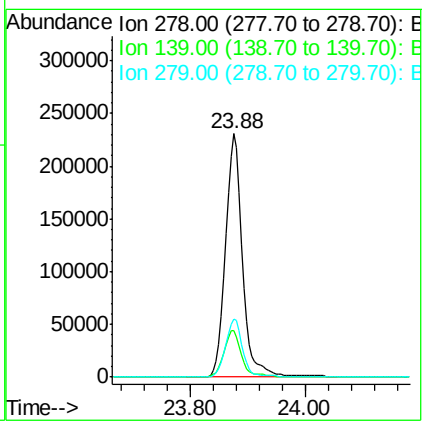


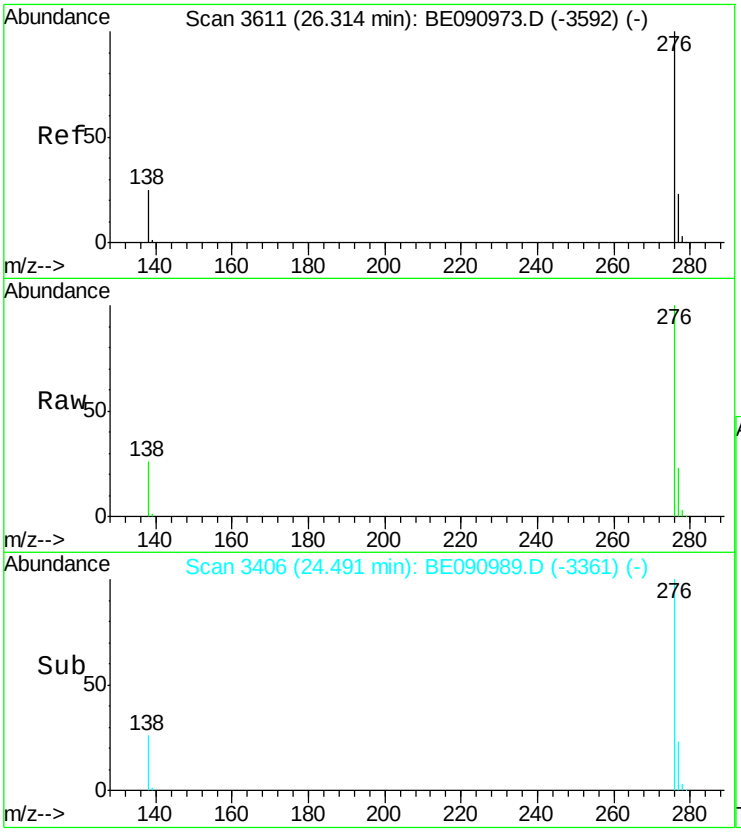


#39
Dibenzo(a,h)anthracene
Concen: 4.89 ng
RT: 23.88 min Scan# 3271
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Tgt Ion:278 Resp: 481979

Ion	Ratio	Lower	Upper
278	100		
139	19.0	16.0	24.0
279	24.1	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 4.62 ng
RT: 24.49 min Scan# 3406
Delta R.T. 0.00 min
Lab File: BE090989.D
Acq: 7 Oct 2015 17:00

Instrument :
BNA_E
ClientSampleId :
PB85999BS

Tgt Ion:276 Resp: 494984

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.6	28.0
138	26.4	20.4	30.6