Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100715\
Data File : BE090990.D
Acq On : 7 Oct 2015 17:36
Operator : UM/IZ
Sample : PB85999BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB85999BSD

Quant Time: Oct 08 01:47:07 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	59818	5.00	ng		0.00
7) Naphthalene-d8	9.64	136	278272	5.00	ng		0.00
13) Acenaphthene-d10	13.46	164	152826	5.00	ng		0.00
19) Phenanthrene-d10	16.19	188	351177	5.00	ng		0.00
26) Chrysene-d12	20.33	240	454195	5.00	ng		0.00
35) Perylene-d12	22.25	264	492387	5.00	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	4.99	112	95408	7.87	ng		-0.02
5) Phenol-d6	6.61	99	120640	7.88	ng		-0.01
8) Nitrobenzene-d5	8.22	82	79137	4.34	ng		-0.01
14) 2,4,6-Tribromophenol	14.99	330	41057	7.76	ng		0.00
15) 2-Fluorobiphenyl	12.09	172	157435	3.80	ng		0.00
29) Terphenyl-d14	18.74	244	229901	4.11	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	22681	2.84	ng		93
3) n-Nitrosodimethylamine	3.62	42	28432	3.03	ng	#	90
6) bis(2-Chloroethyl)ether	6.62	93	147410	9.01	ng	#	28
9) Nitrobenzene	8.26	77	80753	3.92	ng		99
10) Naphthalene	9.68	128	191615	3.56	ng		99
11) Hexachlorobutadiene	9.91	225	27362	3.18	ng		99
12) 2-Methylnaphthalene	11.21	142	132723	3.76	ng		99
16) Acenaphthylene	13.20	152	880573	3.45	ng		100
17) Acenaphthene	13.52	154	136320	3.34	ng		91
18) Fluorene	14.50	166	176851	3.51	ng		99
20) 4-Bromophenyl-phenylether	15.36	248	47708	3.60	ng		90
21) Hexachlorobenzene	15.45	284	53353	0.80	ng		99
22) Pentachlorophenol	15.93	266	38116	6.96	ng		90
23) Phenanthrene	16.21	178	303507	3.79	ng		99
24) Anthracene	16.29	178	290292	3.81	ng		99
25) Fluoranthene	18.20	202	351077	3.84	ng		99
27) Benzidine	18.57	184	226128	9.98	ng	#	77
28) Pyrene	18.59	202	382809	3.67	ng		99
30) Benzo(a)anthracene	20.31	228	387966	3.84	ng		99
32) Chrysene	20.36	228	380461	3.55	ng		97
33) Bis(2-ethylhexyl)phthalate	20.02	149	207186	4.67	ng		98
34) Indeno(1,2,3-cd)pyrene	23.92	276	441812	3.91	ng	#	93
36) Benzo(b)fluoranthene	21.67	252	418818	3.86	ng		98
37) Benzo(k)fluoranthene	21.71	252	432932	3.27	ng		99
38) Benzo(a)pyrene	22.15	252	409217	4.07	ng		99
39) Dibenzo(a,h)anthracene	23.88	278	446273	4.49	ng		98
40) Benzo(g,h,i)perylene	24.49	276	458161	4.24	ng		98

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

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Acq On : 7 Oct 2015 17:36
Operator : UM/IZ
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Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
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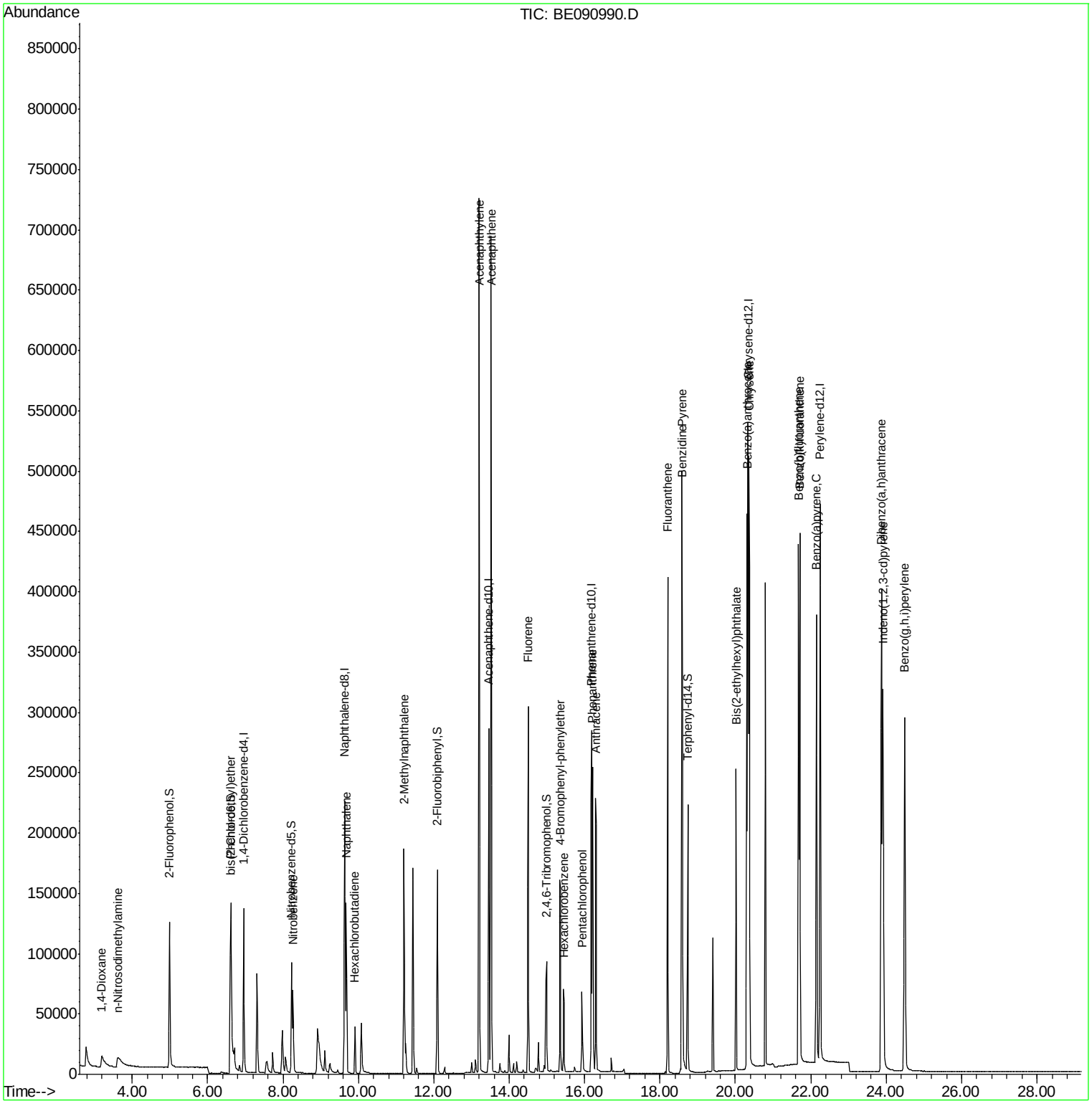
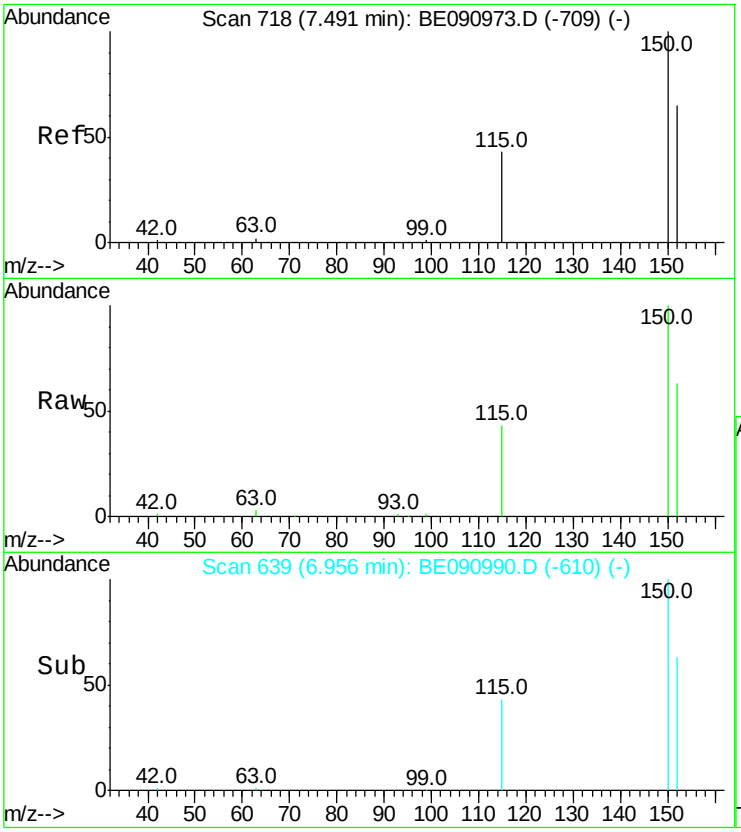
ClientSampleId :
PB85999BSD

Quant Time: Oct 08 01:47:07 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



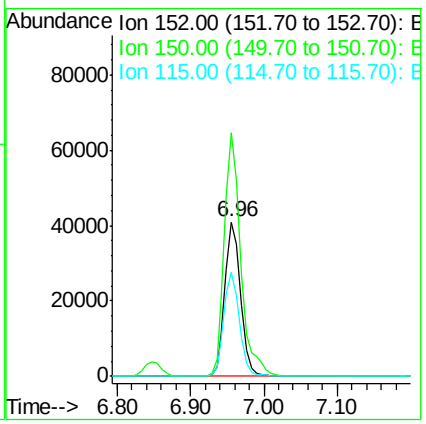


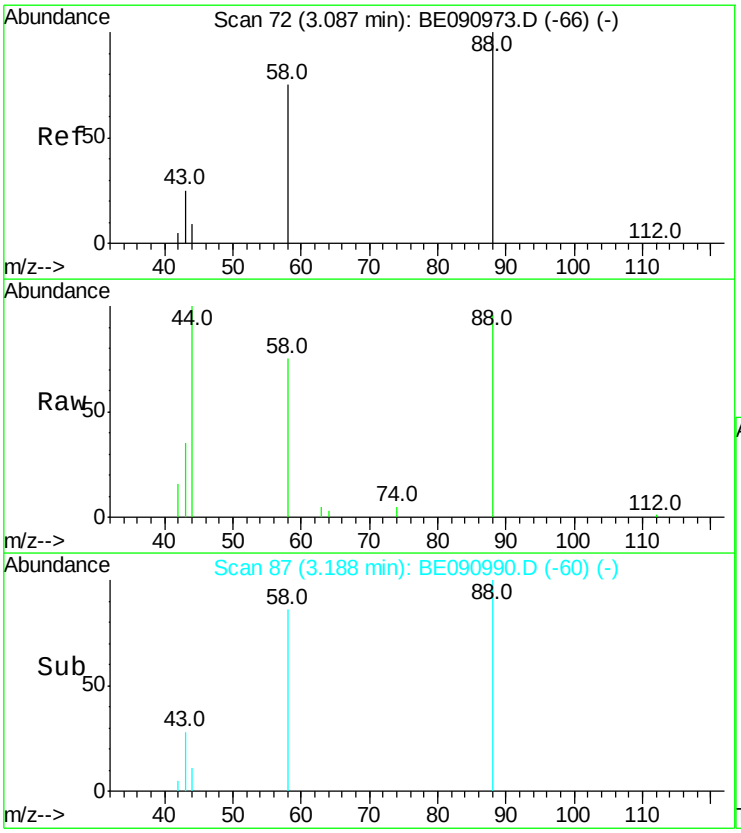
#1
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 6.96 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:152 Resp: 59818

Ion	Ratio	Lower	Upper
152	100		
150	157.8	122.6	183.8
115	67.6	52.8	79.2

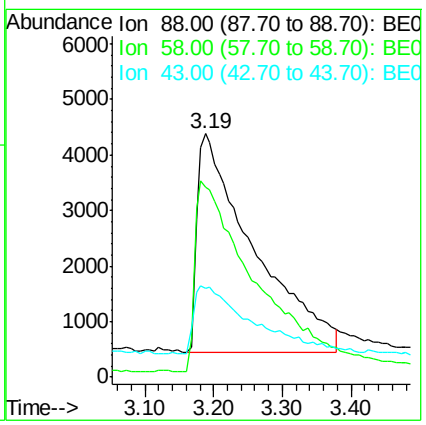


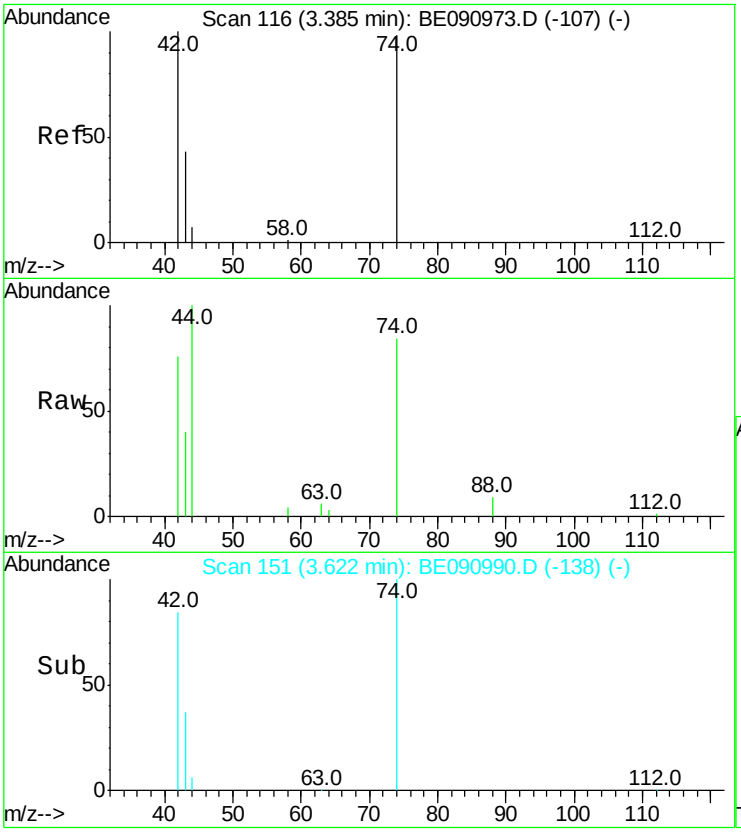


#2
1,4-Dioxane
Concen: 2.84 ng
RT: 3.19 min Scan# 87
Delta R.T. -0.02 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion: 88 Resp: 22681

Ion	Ratio	Lower	Upper
88	100		
58	90.7	65.8	98.6
43	31.5	25.3	37.9



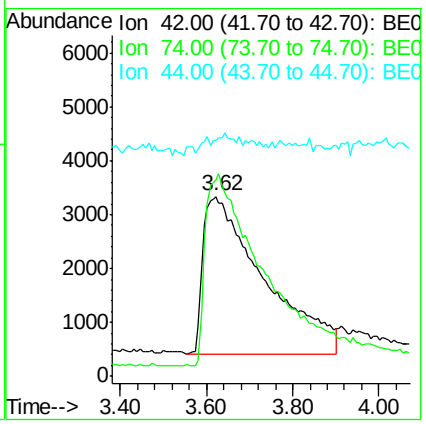


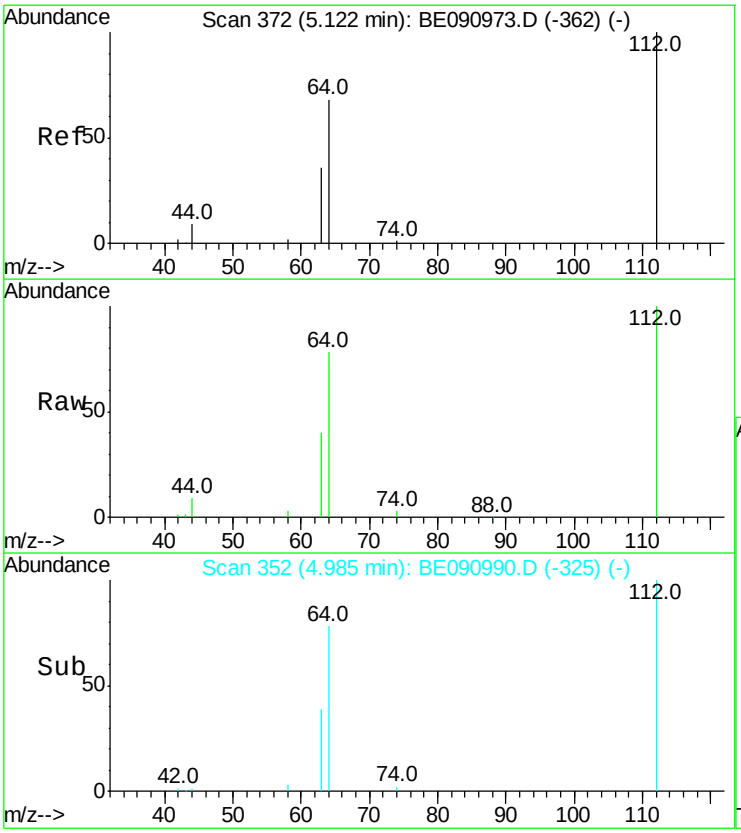
#3
n-Nitrosodimethylamine
Concen: 3.03 ng
RT: 3.62 min Scan# 151
Delta R.T. -0.11 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion: 42 Resp: 28432

Ion	Ratio	Lower	Upper
42	100		
74	119.8	87.9	131.9
44	0.0	6.6	9.8#

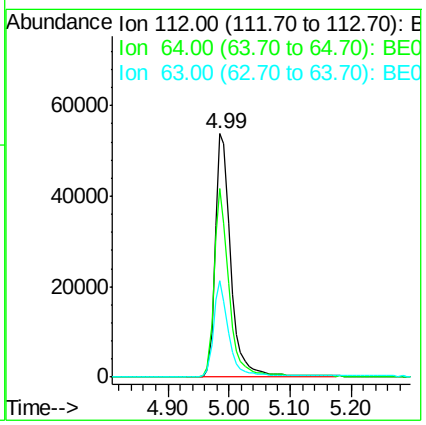


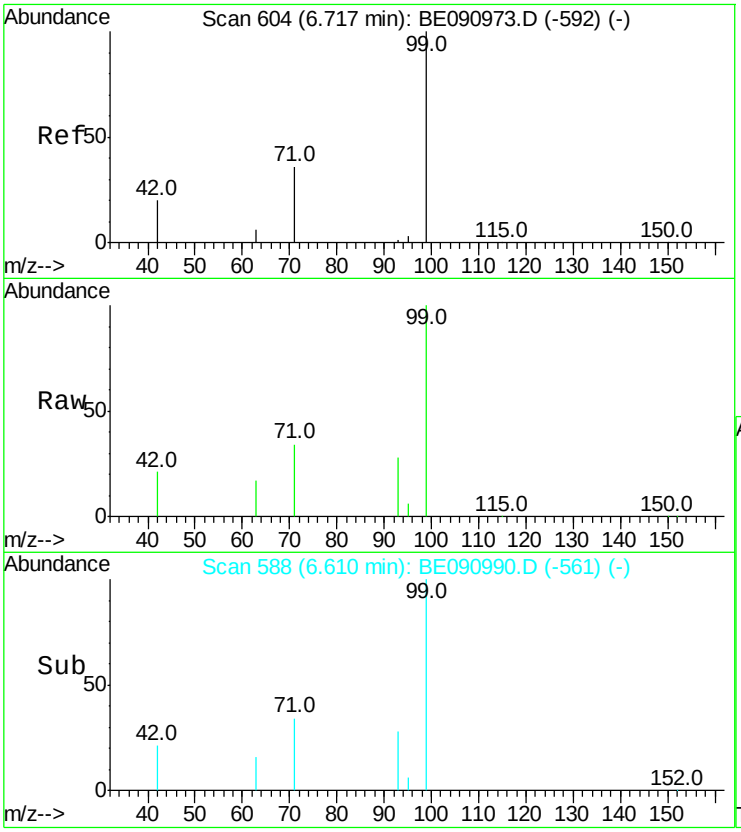


#4
2-Fluorophenol
Concen: 7.87 ng
RT: 4.99 min Scan# 352
Delta R.T. -0.02 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:112 Resp: 95408

Ion	Ratio	Lower	Upper
112	100		
64	73.8	30.9	46.3#
63	37.8	16.7	25.1#



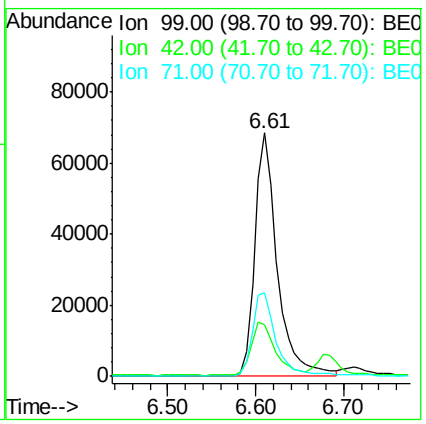


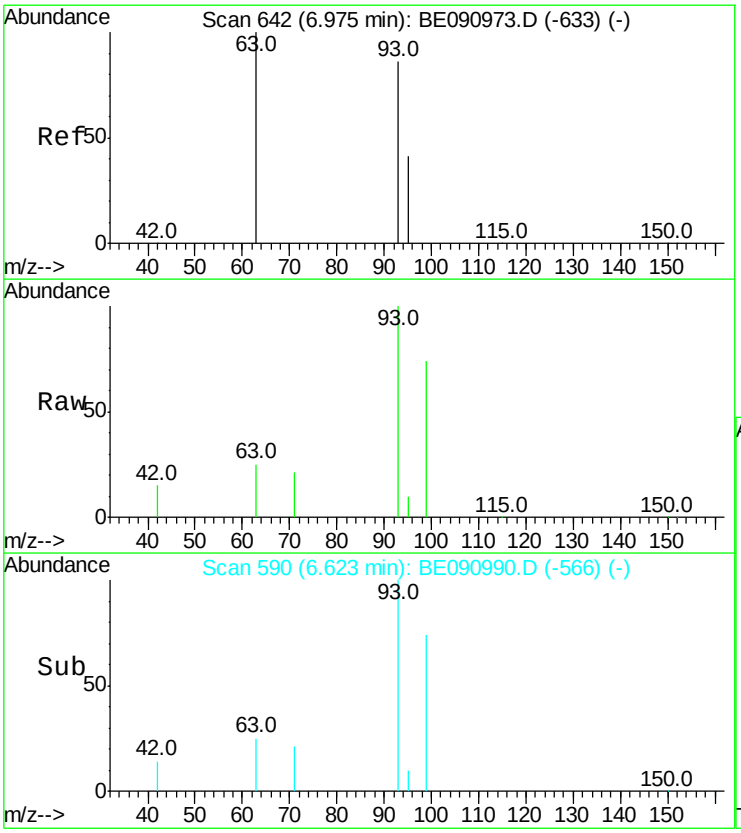
#5
Phenol-d6
Concen: 7.88 ng
RT: 6.61 min Scan# 588
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion: 99 Resp: 120640

Ion	Ratio	Lower	Upper
99	100		
42	23.8	16.2	24.2
71	37.1	29.0	43.4

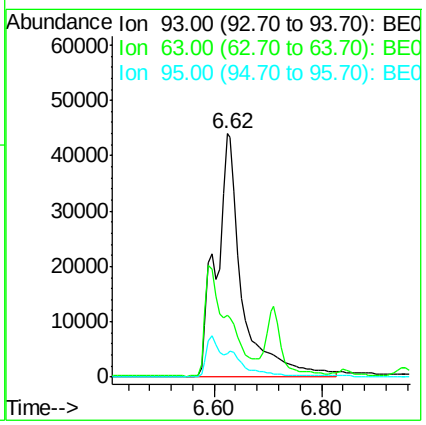


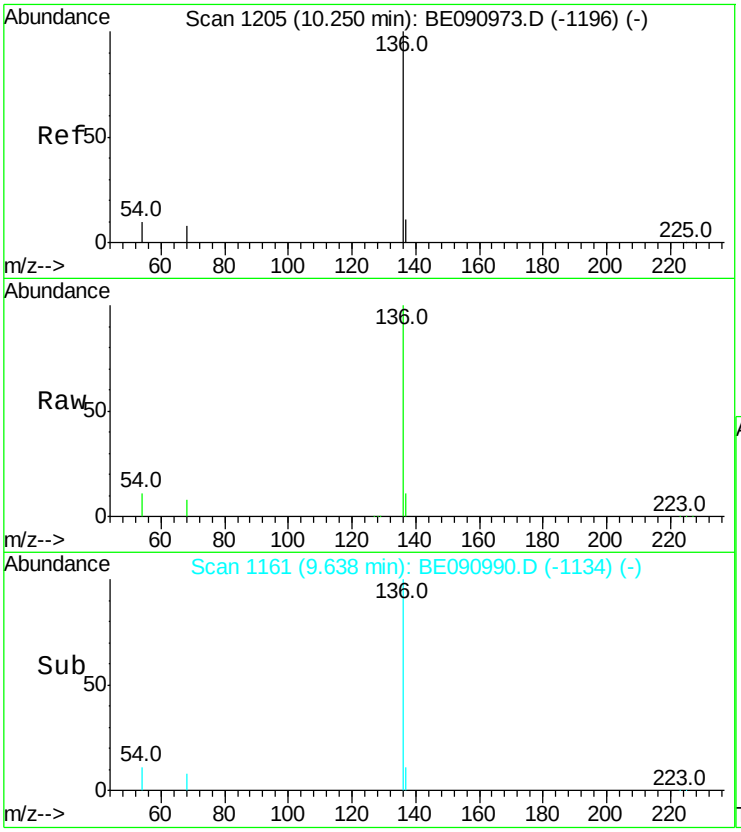


#6
bis(2-Chloroethyl)ether
Concen: 9.01 ng
RT: 6.62 min Scan# 590
Delta R.T. -0.03 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion: 93 Resp: 147410

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



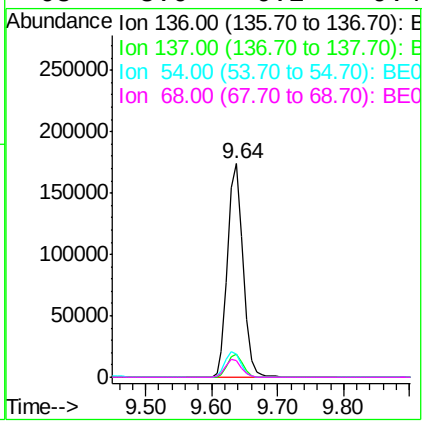


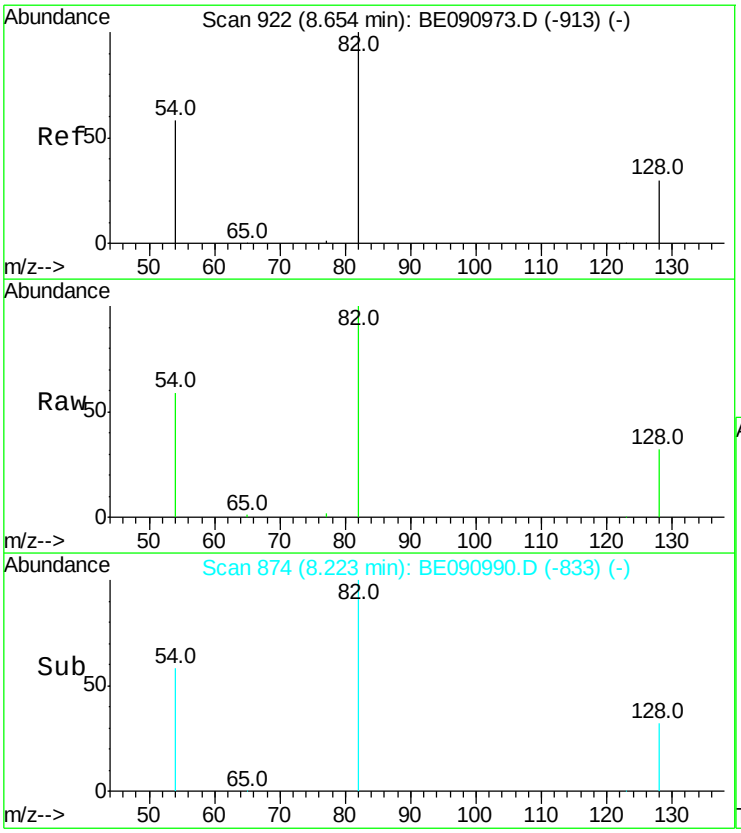
#7
Naphthalene-d8
Concen: 5.00 ng
RT: 9.64 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:136 Resp: 278272

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	10.9	8.2	12.4
68	8.0	6.2	9.4

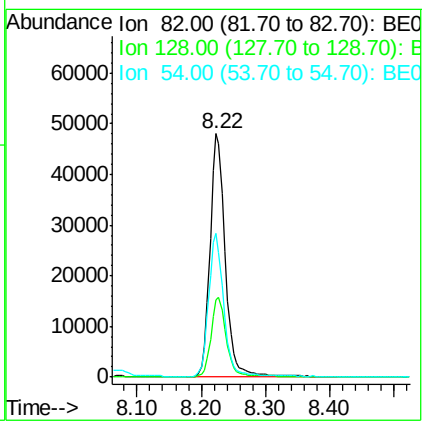


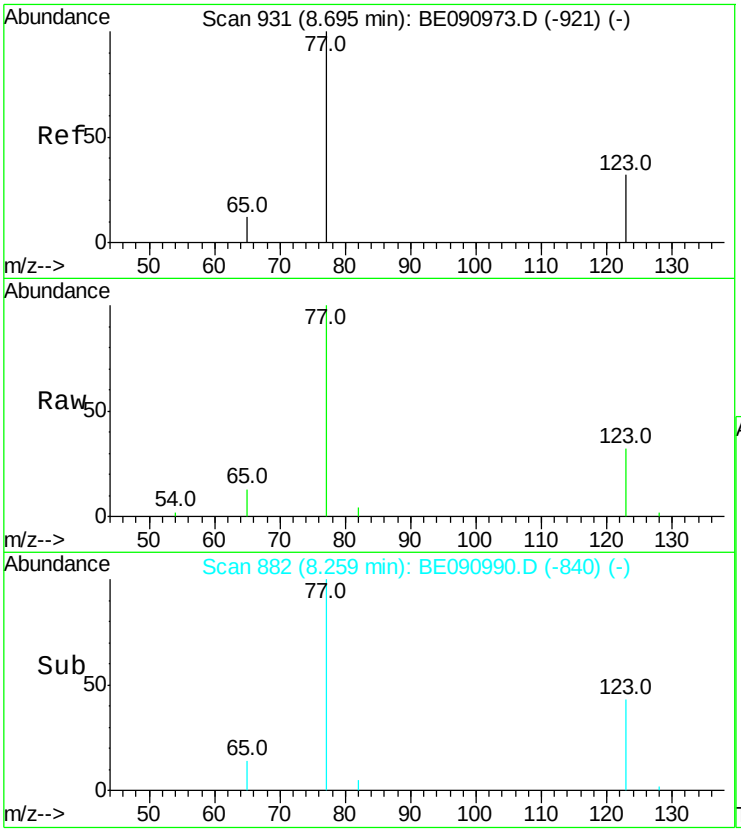


#8
Nitrobenzene-d5
Concen: 4.34 ng
RT: 8.22 min Scan# 874
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion: 82 Resp: 79137

Ion	Ratio	Lower	Upper
82	100		
128	31.7	25.4	38.0
54	59.1	48.4	72.6



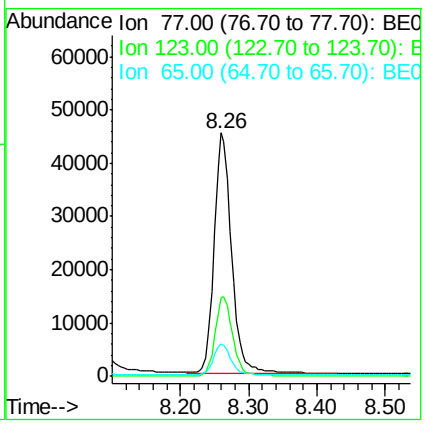


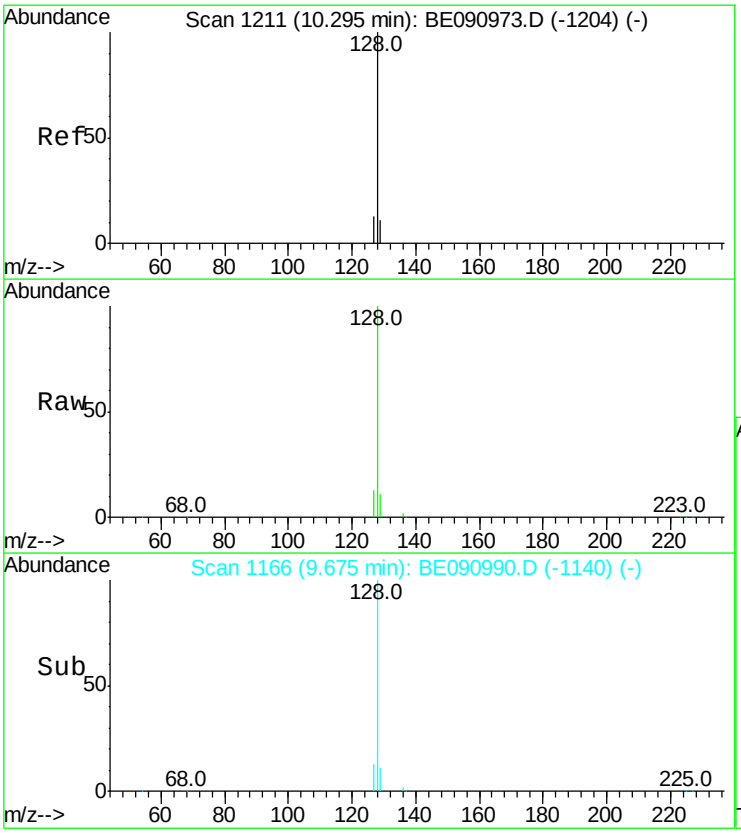
#9
Nitrobenzene
Concen: 3.92 ng
RT: 8.26 min Scan# 882
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion: 77 Resp: 80753

Ion	Ratio	Lower	Upper
77	100		
123	33.3	26.9	40.3
65	12.9	9.4	14.2

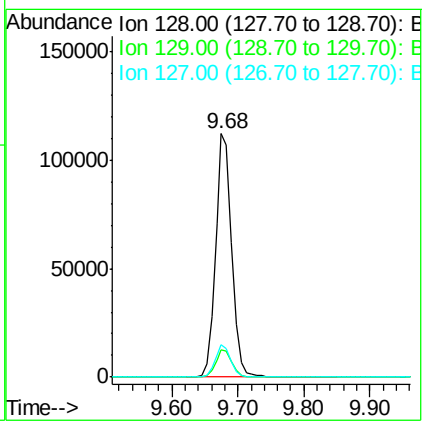


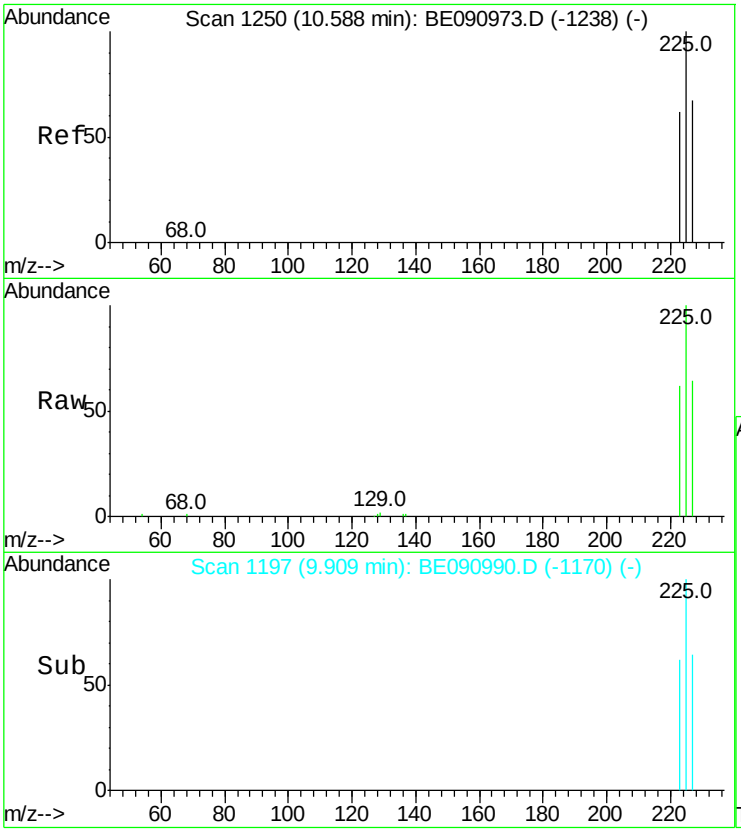


#10
Naphthalene
Concen: 3.56 ng
RT: 9.68 min Scan# 1166
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:128 Resp: 191615

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.3	13.9
127	13.3	10.7	16.1



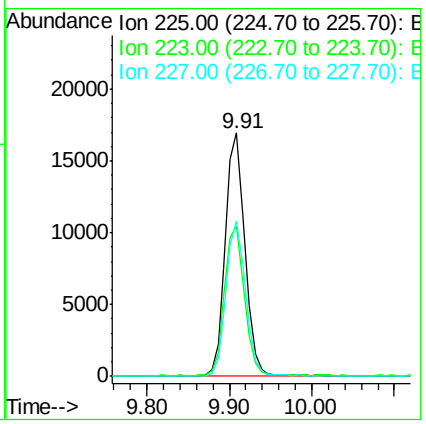


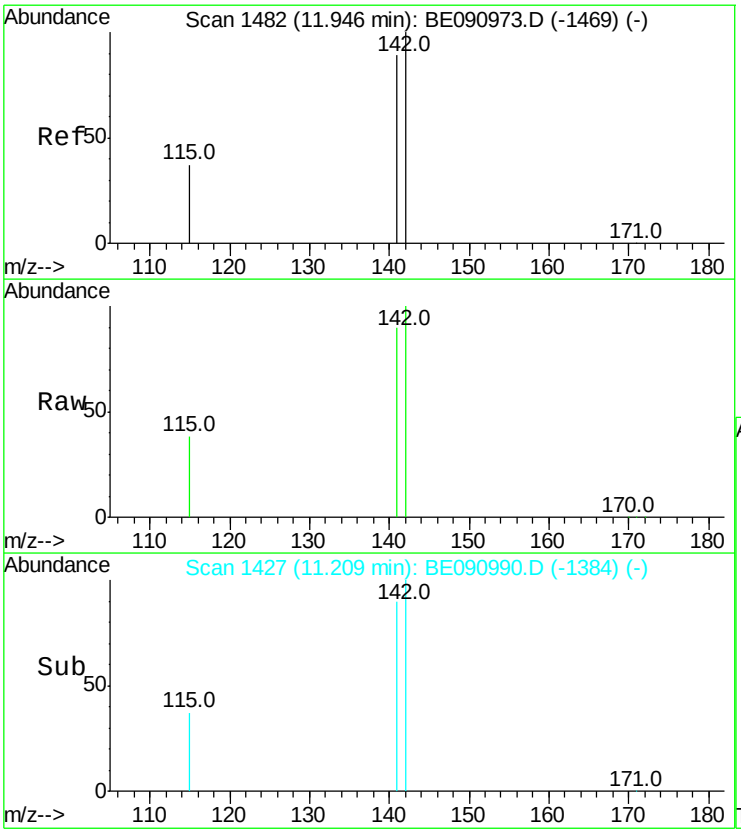
#11
Hexachlorobutadiene
Concen: 3.18 ng
RT: 9.91 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:225 Resp: 27362

Ion	Ratio	Lower	Upper
225	100		
223	62.7	49.0	73.6
227	63.7	50.3	75.5

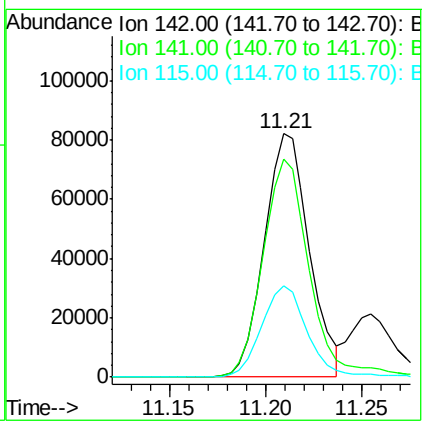


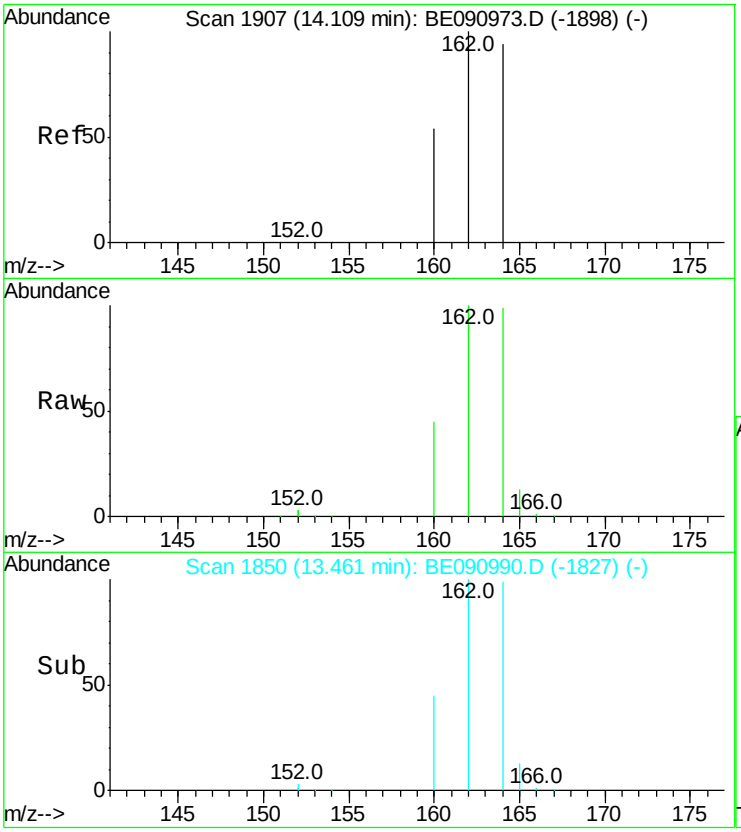


#12
2-Methylnaphthalene
Concen: 3.76 ng
RT: 11.21 min Scan# 1427
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:142 Resp: 132723

Ion	Ratio	Lower	Upper
142	100		
141	89.8	71.4	107.0
115	37.6	30.3	45.5



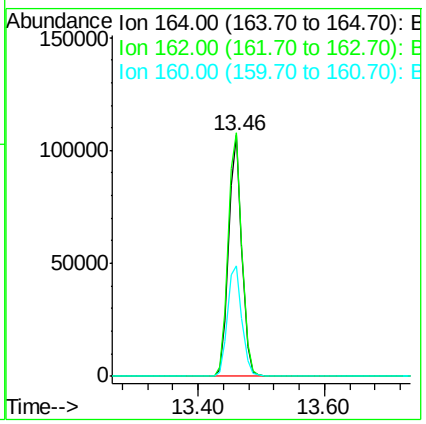


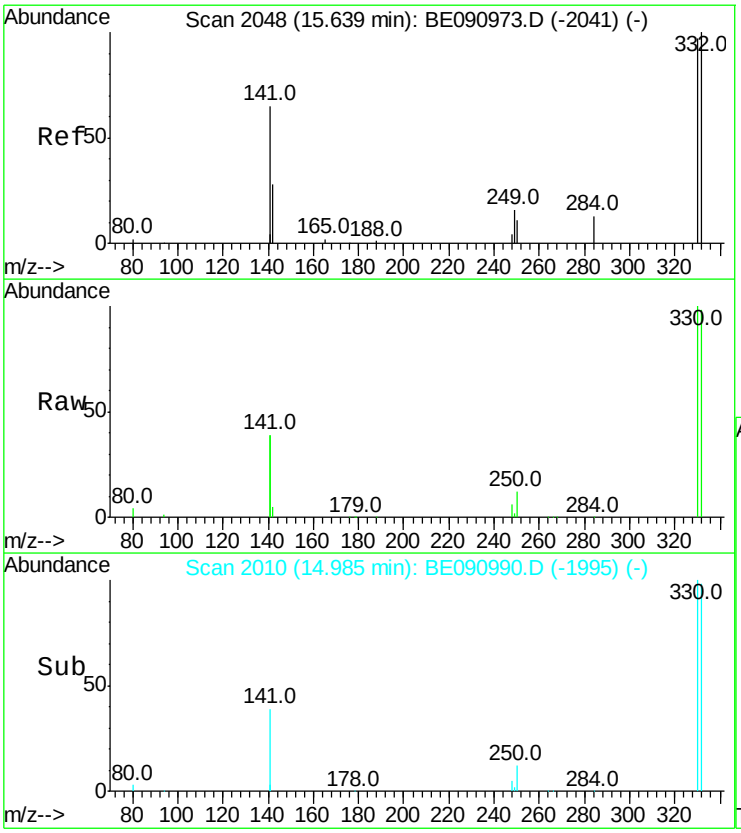
#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 13.46 min Scan# 1850
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:164 Resp: 152826

Ion	Ratio	Lower	Upper
164	100		
162	101.2	85.3	127.9
160	45.9	46.2	69.2#

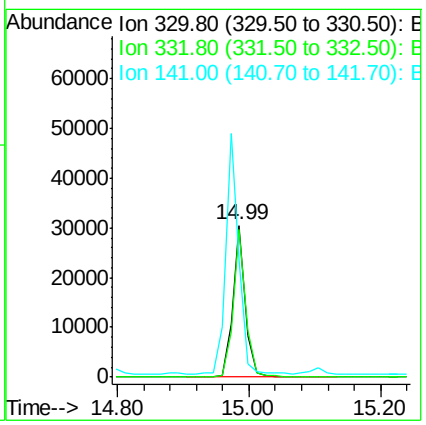


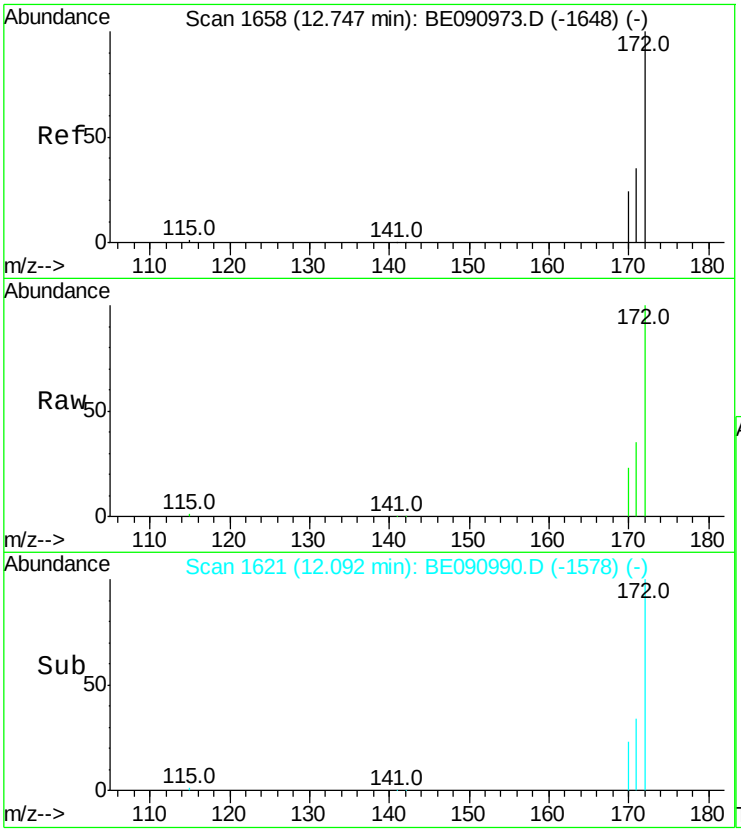


#14
2,4,6-Tribromophenol
Concen: 7.76 ng
RT: 14.99 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:330 Resp: 41057

Ion	Ratio	Lower	Upper
330	100		
332	97.2	79.1	118.7
141	164.1	125.4	188.0



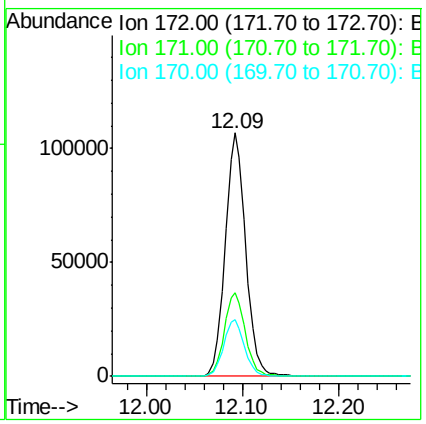


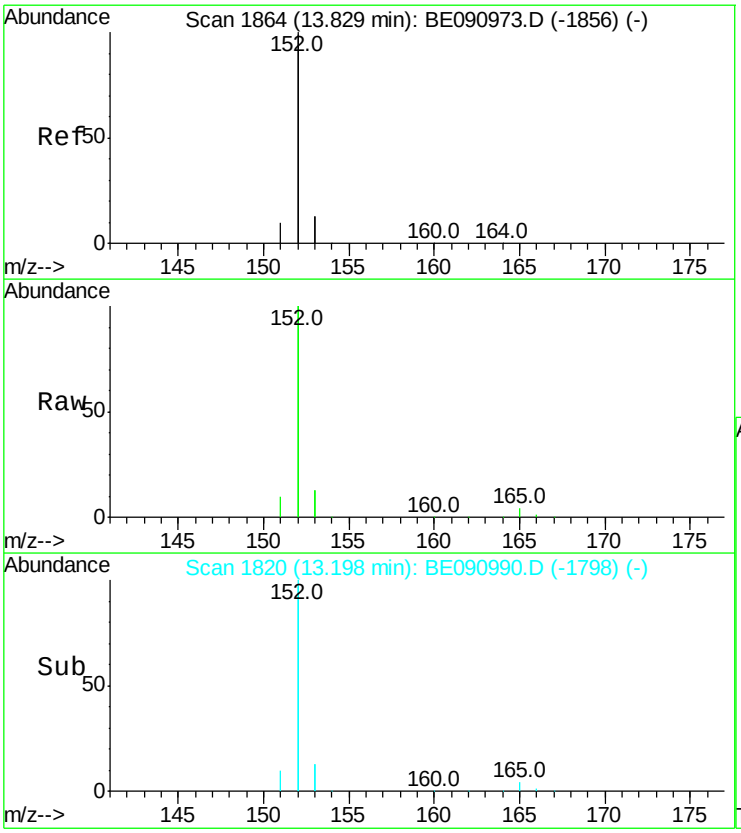
#15
2-Fluorobiphenyl
Concen: 3.80 ng
RT: 12.09 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:172 Resp: 157435

Ion	Ratio	Lower	Upper
172	100		
171	34.5	28.8	43.2
170	23.1	19.3	28.9

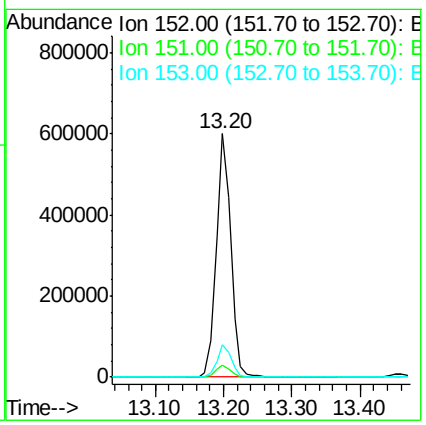


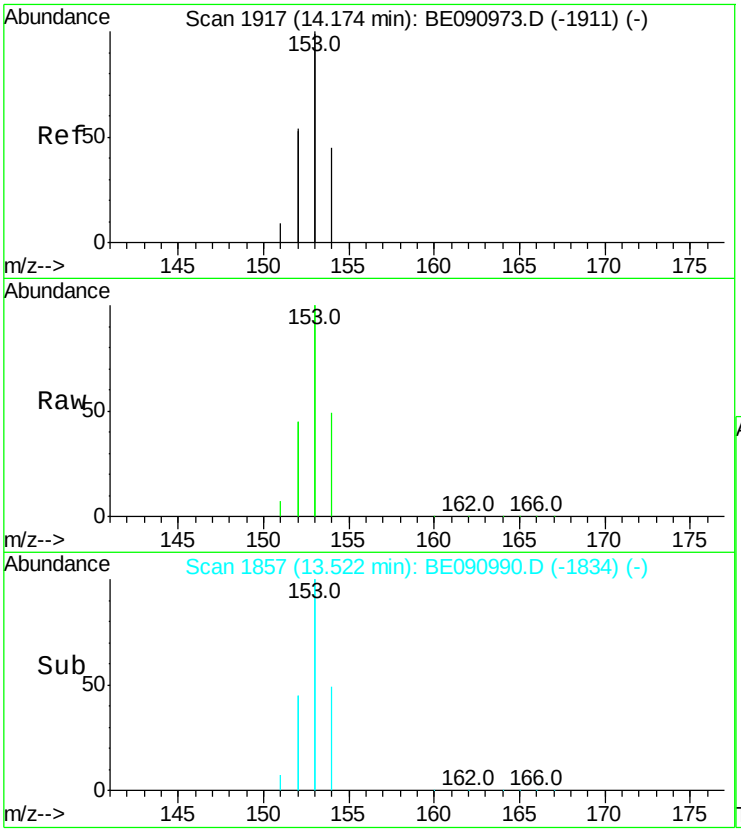


#16
Acenaphthylene
Concen: 3.45 ng
RT: 13.20 min Scan# 1820
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:152 Resp: 880573

Ion	Ratio	Lower	Upper
152	100		
151	4.9	3.9	5.9
153	13.1	10.3	15.5



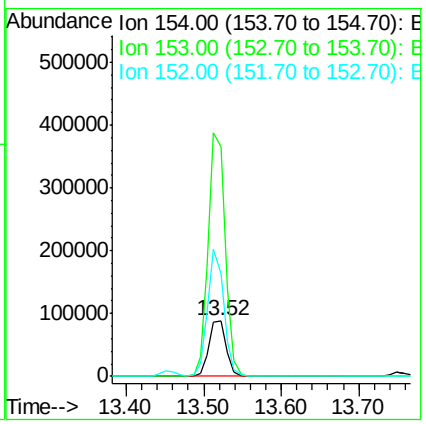


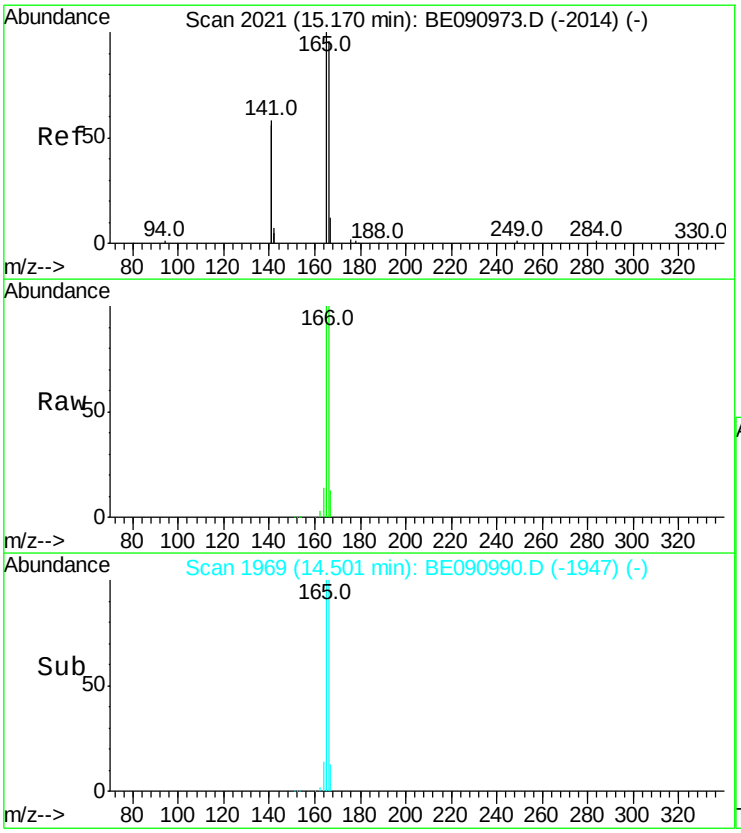
#17
Acenaphthene
Concen: 3.34 ng
RT: 13.52 min Scan# 1857
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:154 Resp: 136320

Ion	Ratio	Lower	Upper
154	100		
153	433.7	352.0	528.0
152	215.4	200.0	300.0

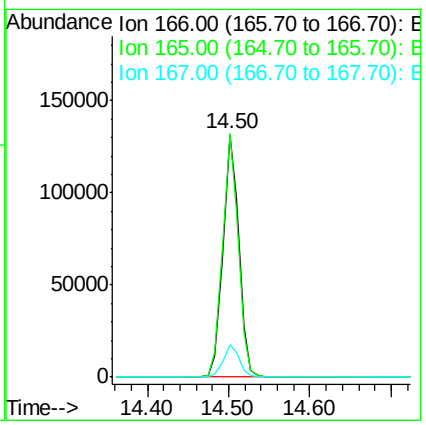


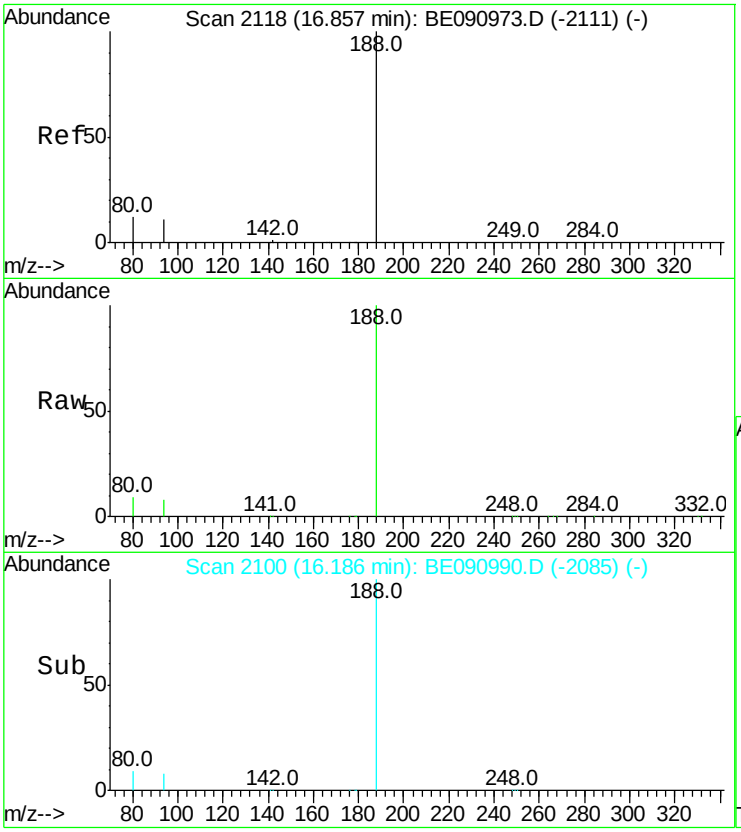


#18
Fluorene
Concen: 3.51 ng
RT: 14.50 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:166 Resp: 176851

Ion	Ratio	Lower	Upper
166	100		
165	99.6	80.8	121.2
167	13.5	10.9	16.3



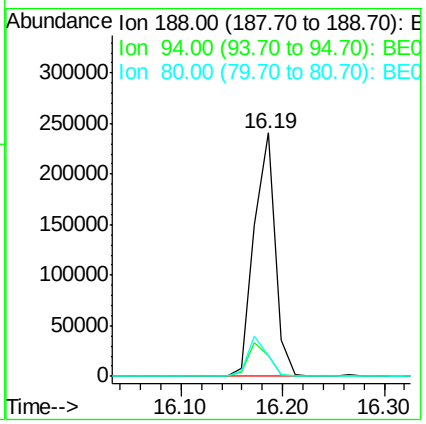


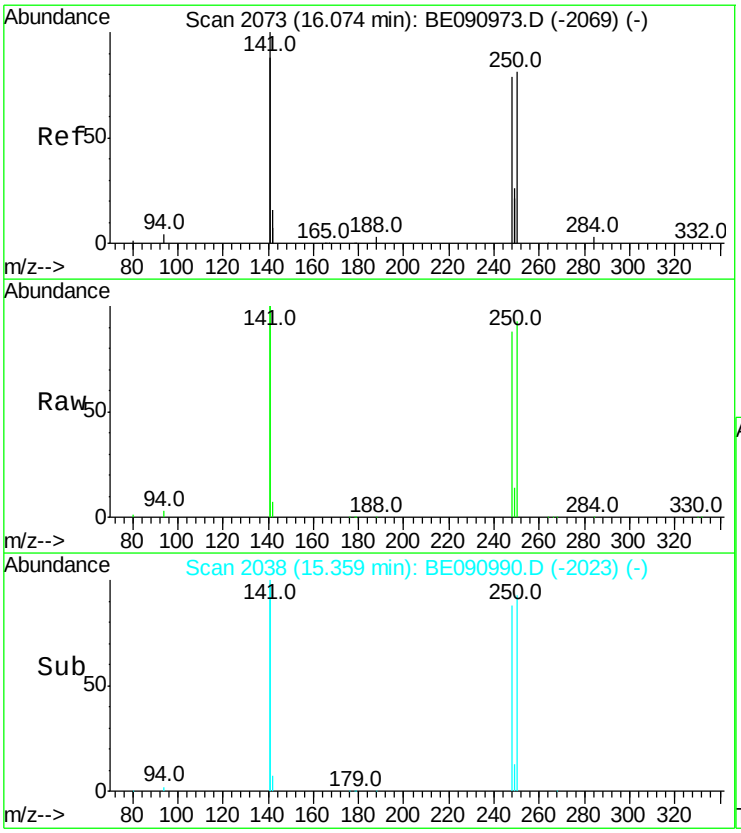
#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 16.19 min Scan# 2100
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:188 Resp: 351177

Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.7	13.1#
80	8.8	9.4	14.0#

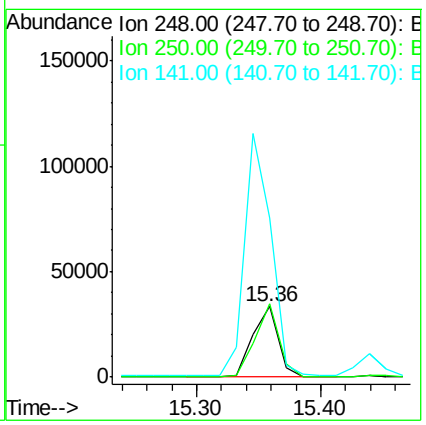


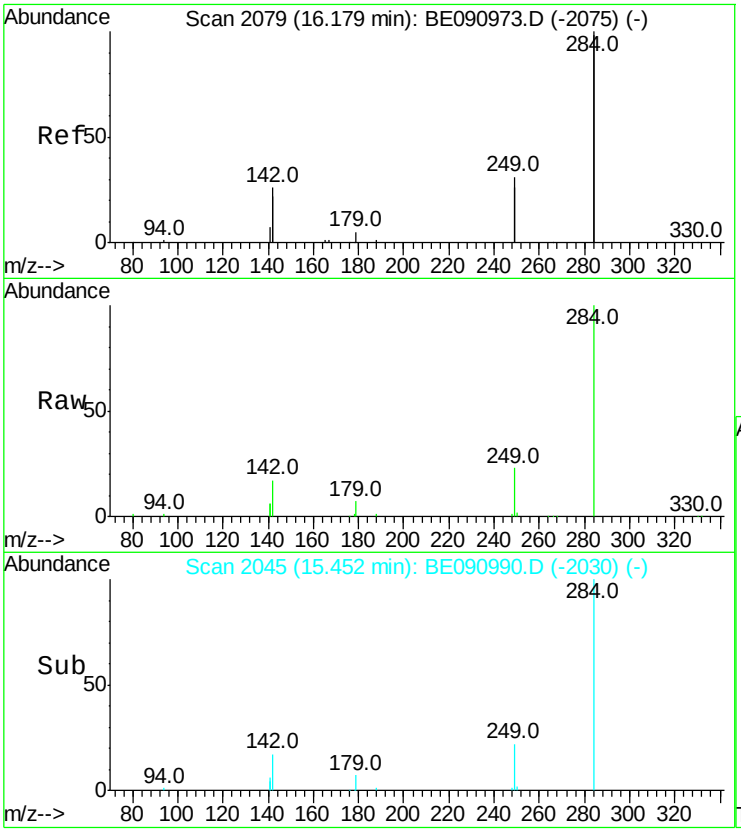


#20
4-Bromophenyl-phenylether
Concen: 3.60 ng
RT: 15.36 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:248 Resp: 47708

Ion	Ratio	Lower	Upper
248	100		
250	98.1	80.5	120.7
141	352.4	261.9	392.9



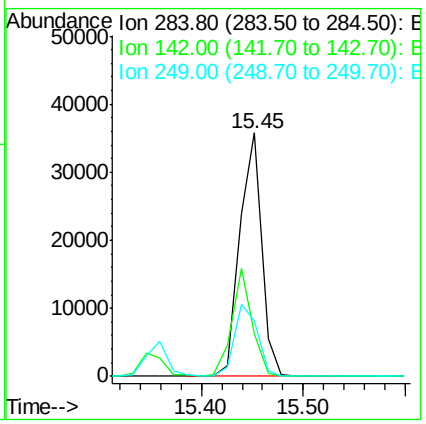


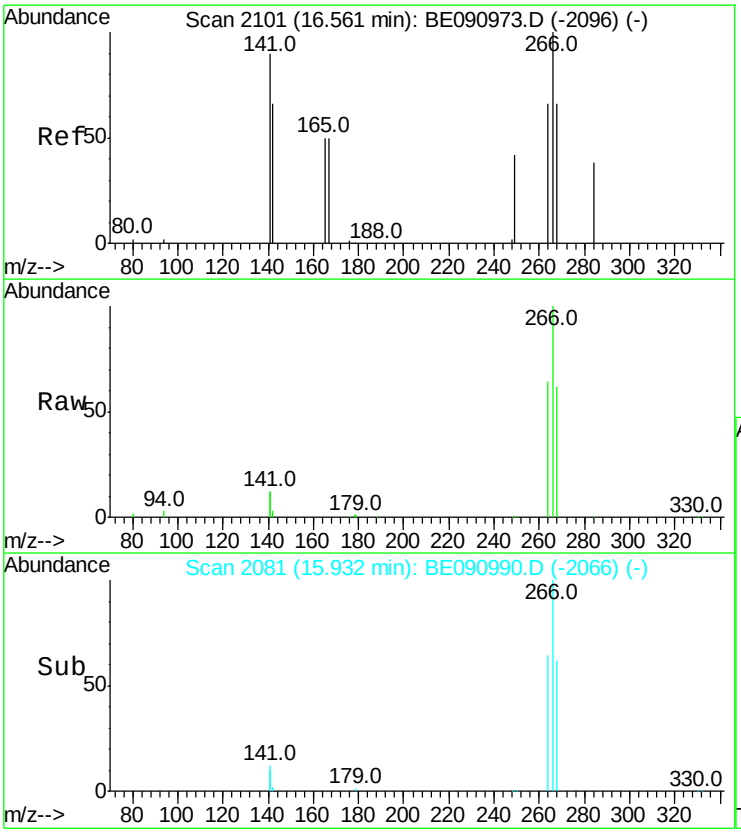
#21
Hexachlorobenzene
Concen: 0.80 ng
RT: 15.45 min Scan# 2045
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:284 Resp: 53353

Ion	Ratio	Lower	Upper
284	100		
142	40.4	32.2	48.2
249	30.6	25.4	38.2

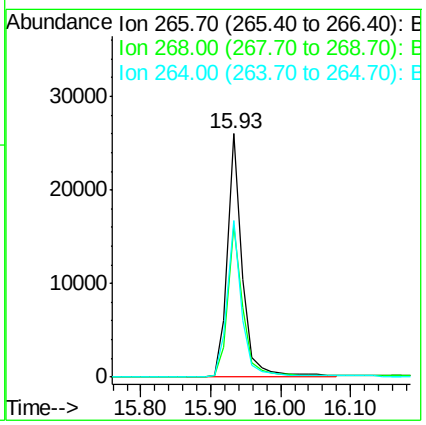


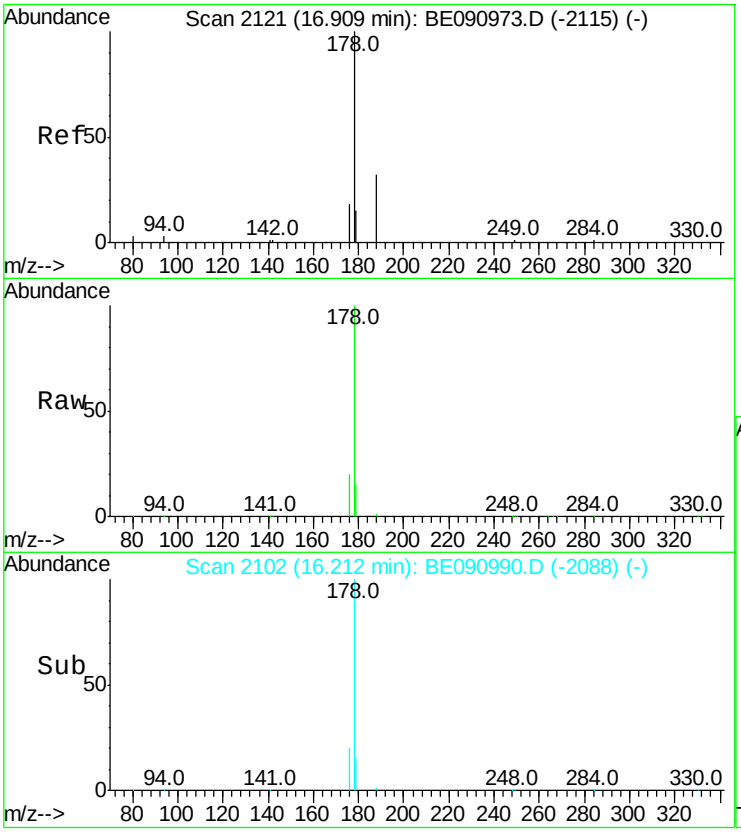


#22
Pentachlorophenol
Concen: 6.96 ng
RT: 15.93 min Scan# 2081
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:266 Resp: 38116

Ion	Ratio	Lower	Upper
266	100		
268	62.2	58.2	87.2
264	64.2	56.2	84.4



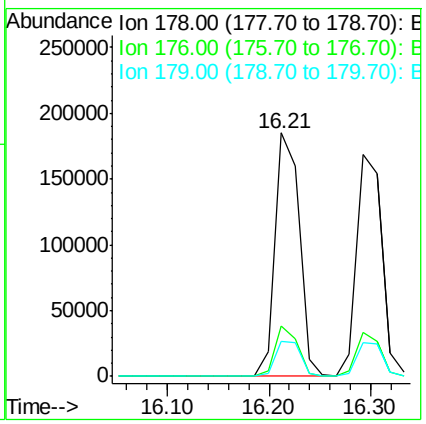


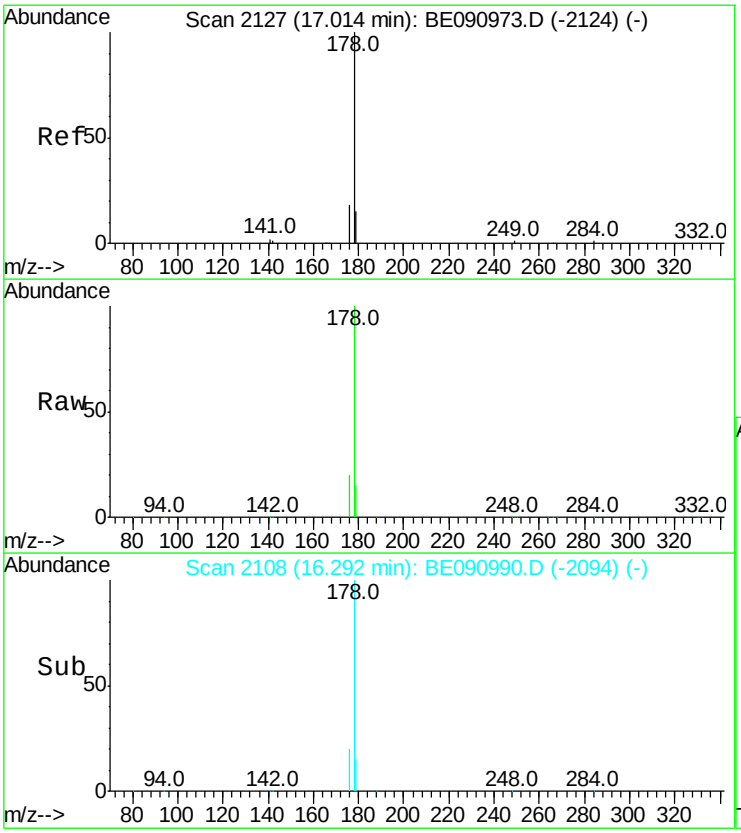
#23
Phenanthrene
Concen: 3.79 ng
RT: 16.21 min Scan# 2102
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:178 Resp: 303507

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	15.4	12.6	18.8

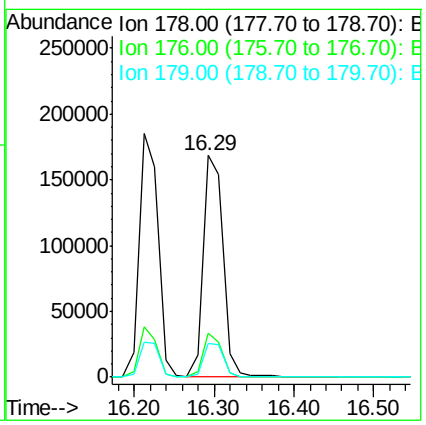


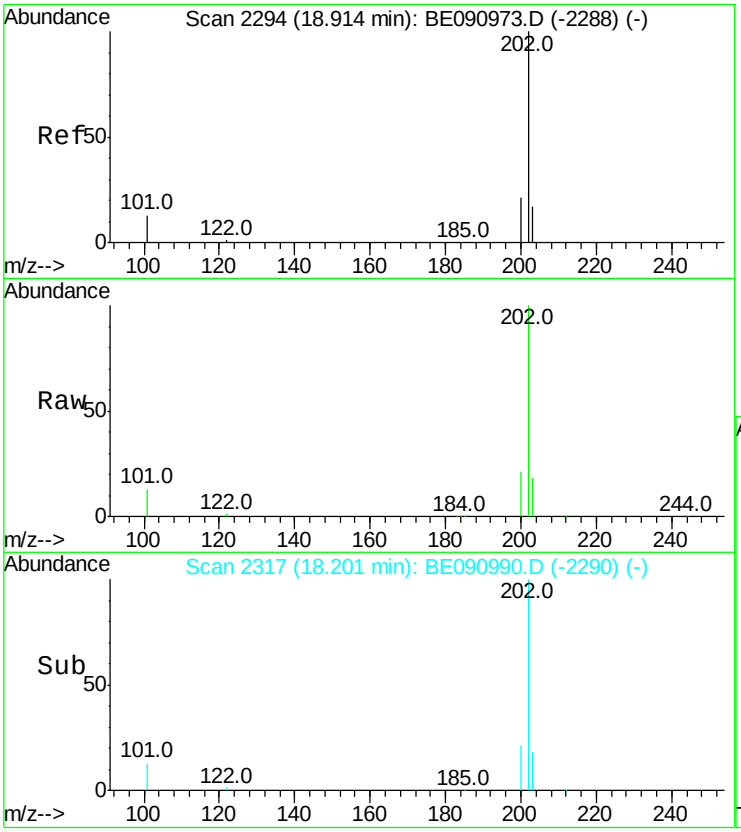


#24
Anthracene
Concen: 3.81 ng
RT: 16.29 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:178 Resp: 290292

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.6	21.8
179	15.3	11.8	17.6



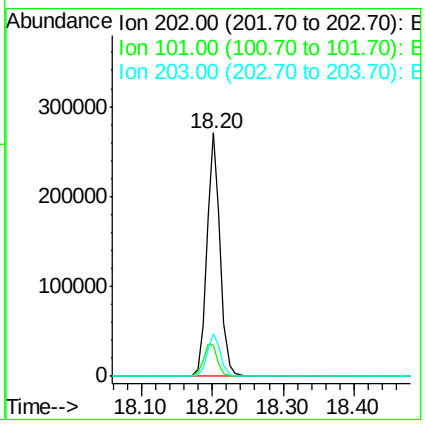


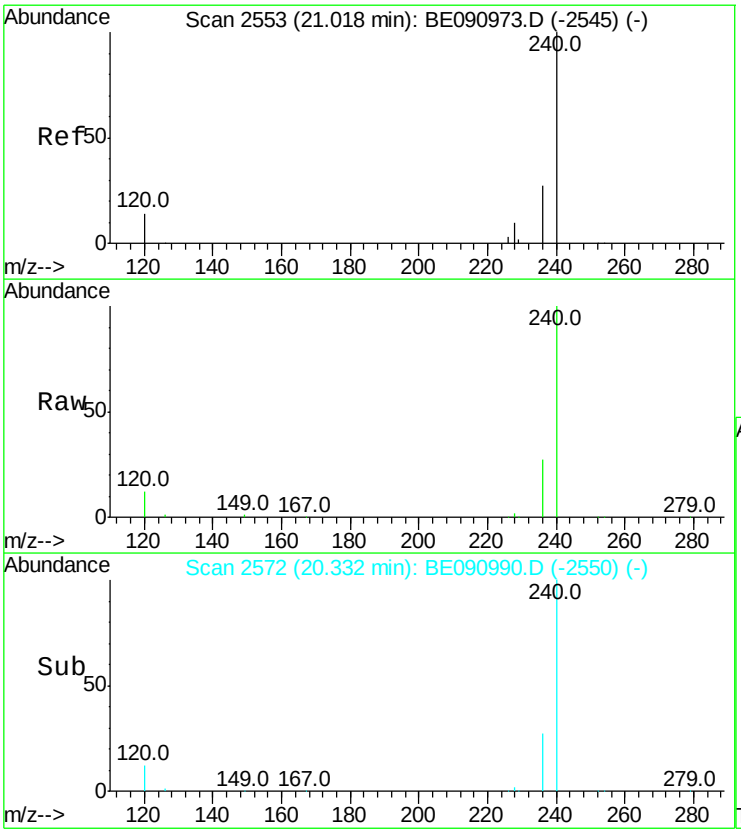
#25
Fluoranthene
Concen: 3.84 ng
RT: 18.20 min Scan# 2317
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:202 Resp: 351077

Ion	Ratio	Lower	Upper
202	100		
101	14.4	11.0	16.6
203	17.5	13.9	20.9

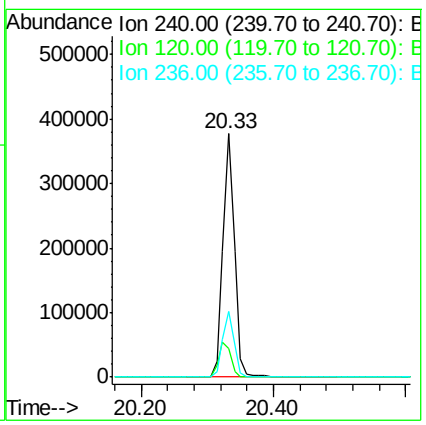


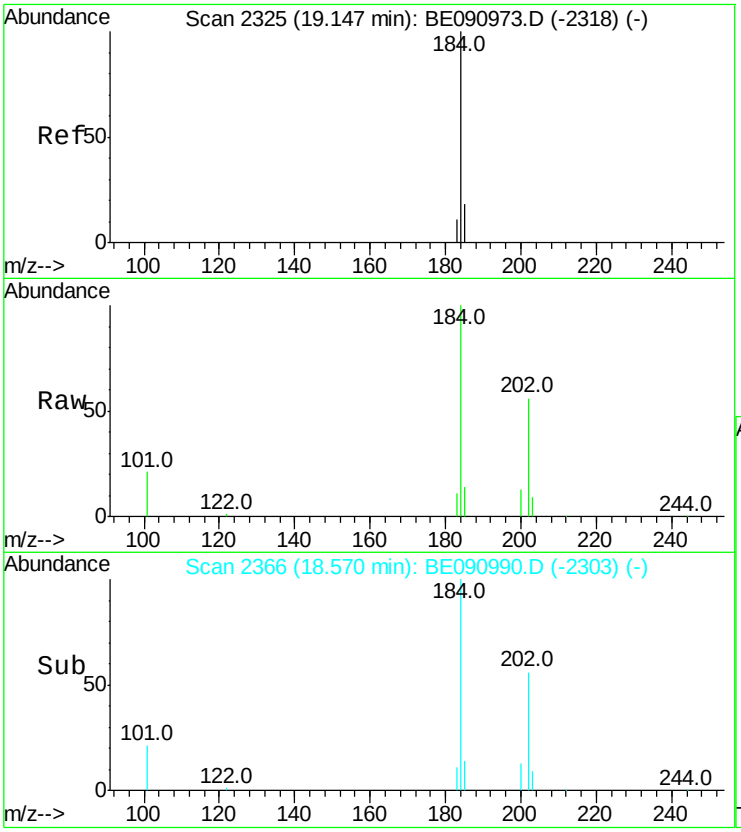


#26
Chrysene-d12
Concen: 5.00 ng
RT: 20.33 min Scan# 2572
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:240 Resp: 454195

Ion	Ratio	Lower	Upper
240	100		
120	11.8	11.0	16.4
236	26.8	21.7	32.5



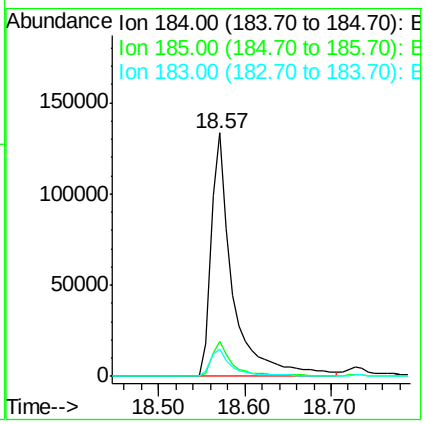


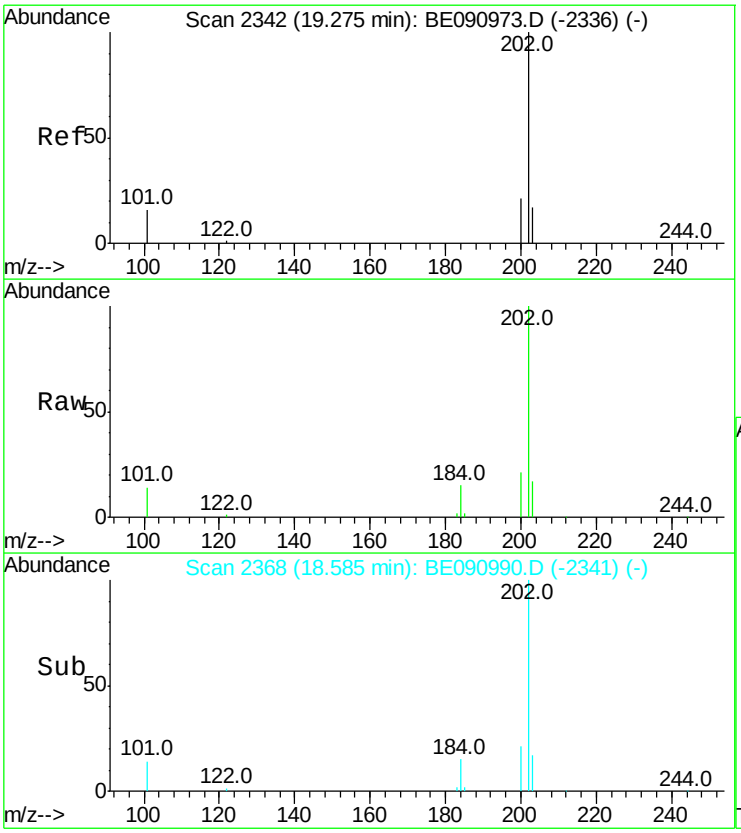
#27
Benzidine
Concen: 9.98 ng
RT: 18.57 min Scan# 2366
Delta R.T. -0.02 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:184 Resp: 226128

Ion	Ratio	Lower	Upper
184	100		
185	14.4	22.3	33.5#
183	11.3	16.4	24.6#

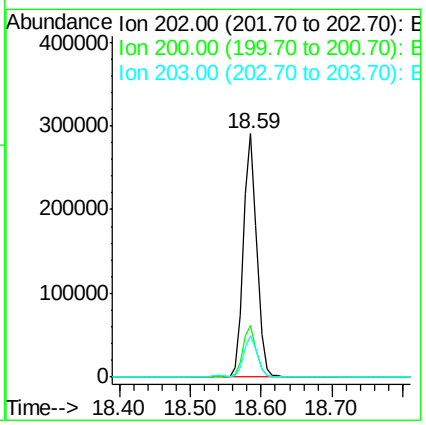


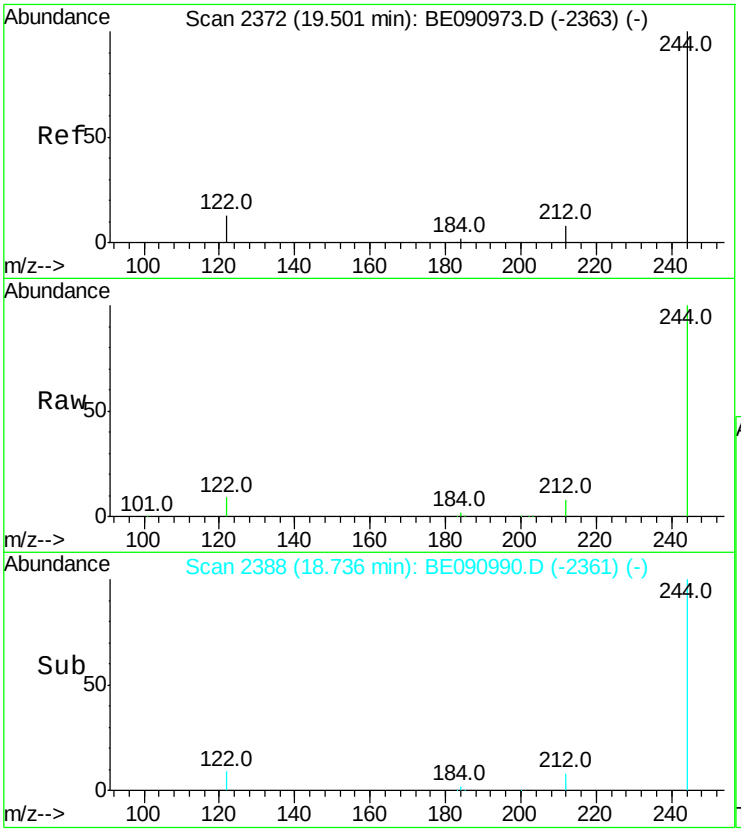


#28
Pyrene
Concen: 3.67 ng
RT: 18.59 min Scan# 2368
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:202 Resp: 382809

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.1	14.0	21.0



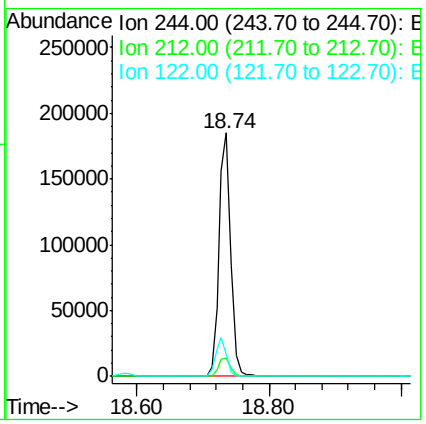


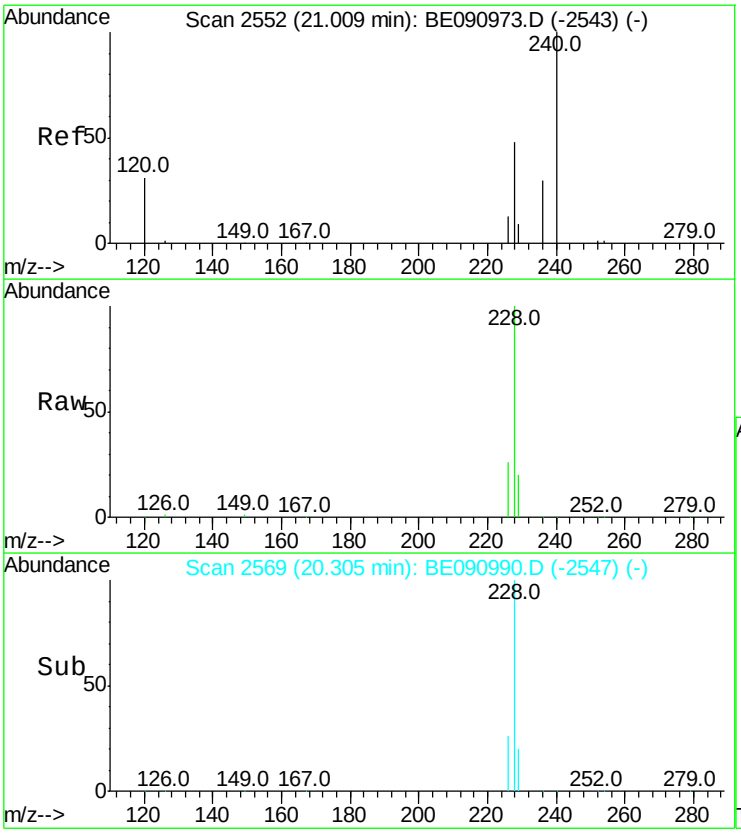
#29
Terphenyl-d14
Concen: 4.11 ng
RT: 18.74 min Scan# 2388
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:244 Resp: 229901

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.9	10.3
122	9.0	11.0	16.4#

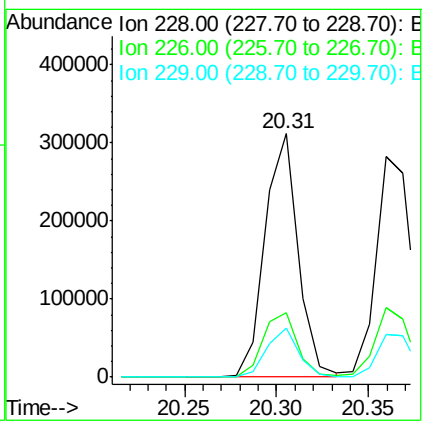


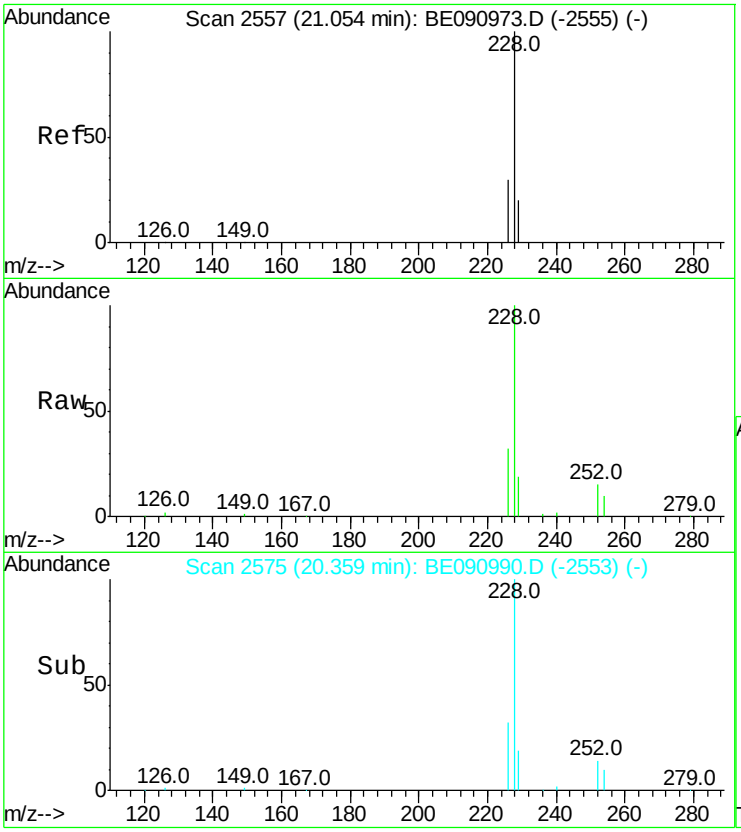


#30
Benzo(a)anthracene
Concen: 3.84 ng
RT: 20.31 min Scan# 2569
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:228 Resp: 387966

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.4
229	20.3	15.7	23.5



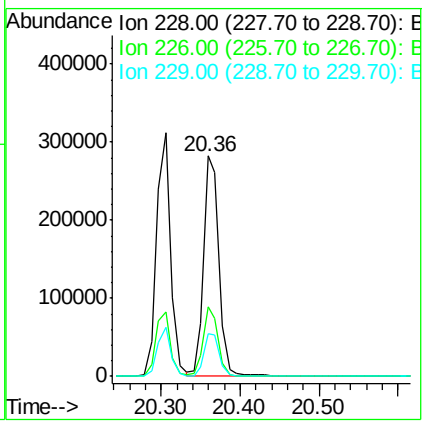


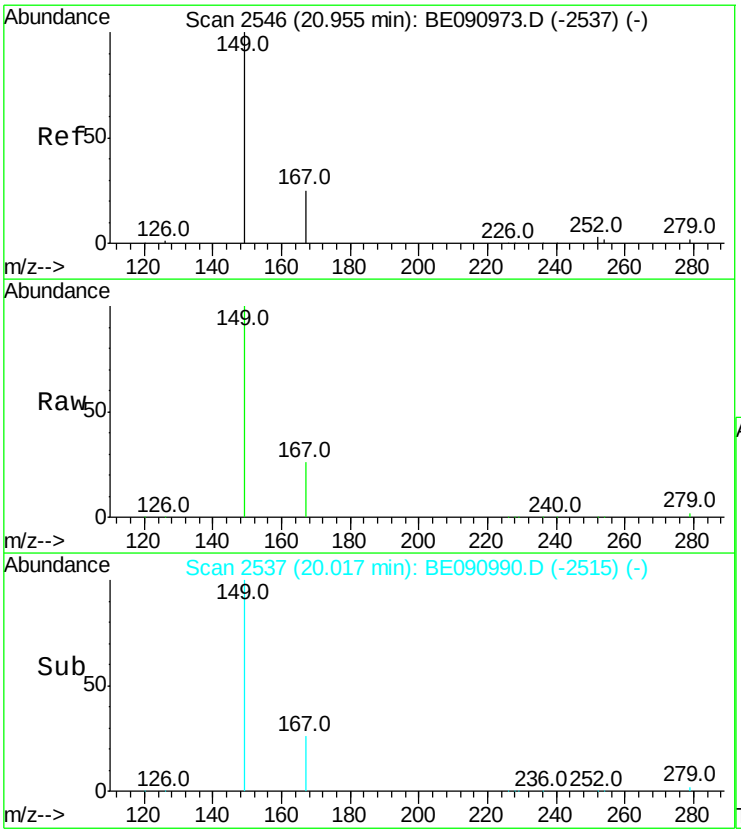
#32
Chrysene
Concen: 3.55 ng
RT: 20.36 min Scan# 2575
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:228 Resp: 380461

Ion	Ratio	Lower	Upper
228	100		
226	31.8	24.0	36.0
229	19.2	15.9	23.9

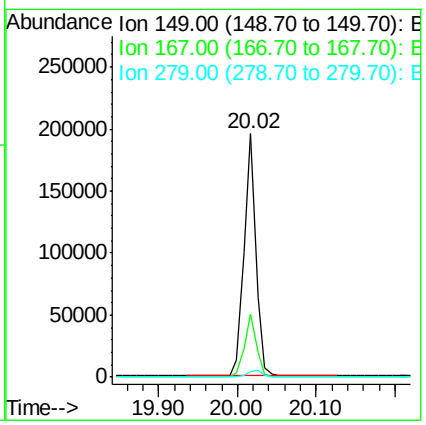


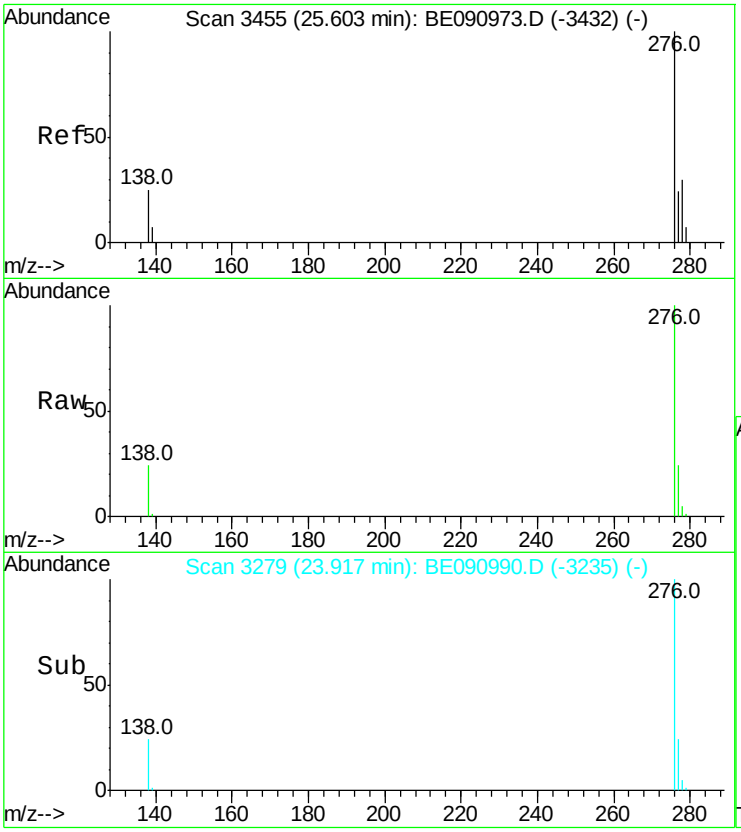


#33
Bis(2-ethylhexyl)phthalate
Concen: 4.67 ng
RT: 20.02 min Scan# 2537
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:149 Resp: 207186

Ion	Ratio	Lower	Upper
149	100		
167	25.7	19.5	29.3
279	3.1	2.3	3.5



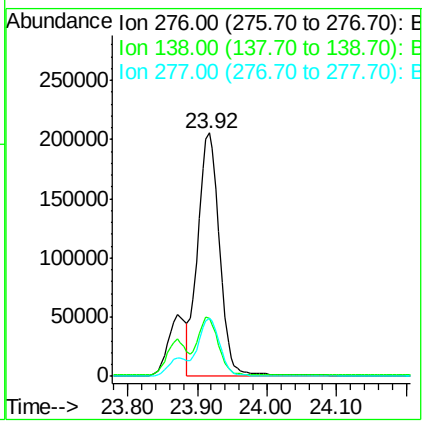


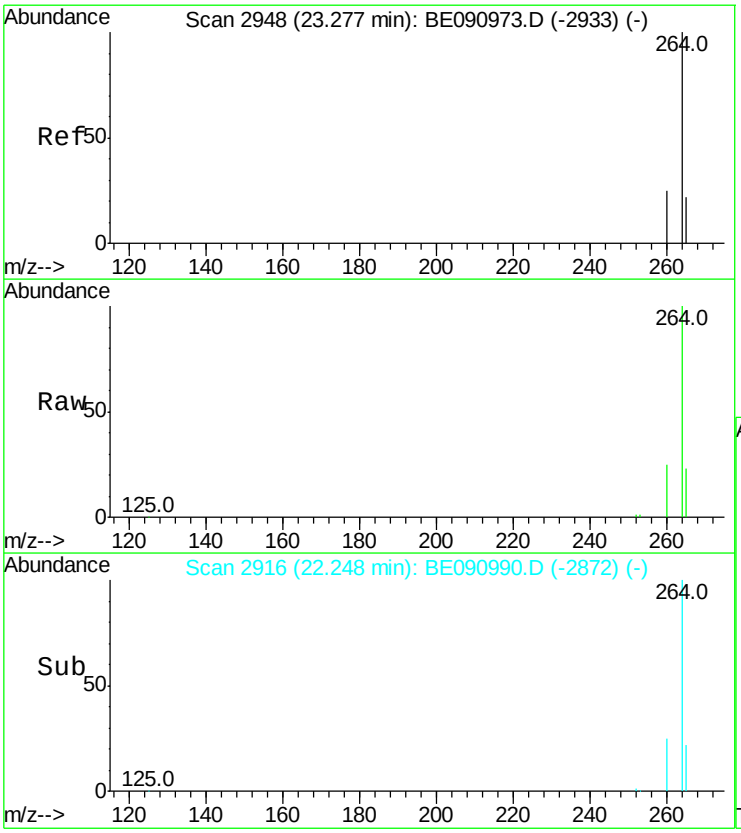
#34
Indeno(1,2,3-cd)pyrene
Concen: 3.91 ng
RT: 23.92 min Scan# 3279
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:276 Resp: 441812

Ion	Ratio	Lower	Upper
276	100		
138	22.8	23.4	35.2#
277	24.0	19.8	29.8

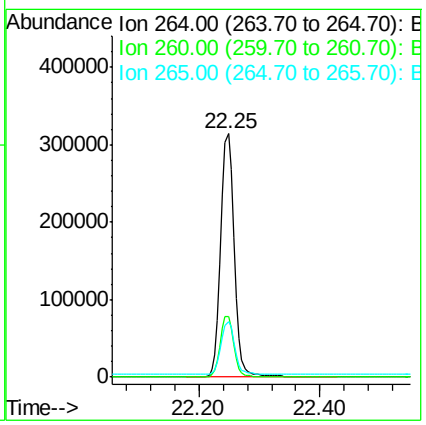


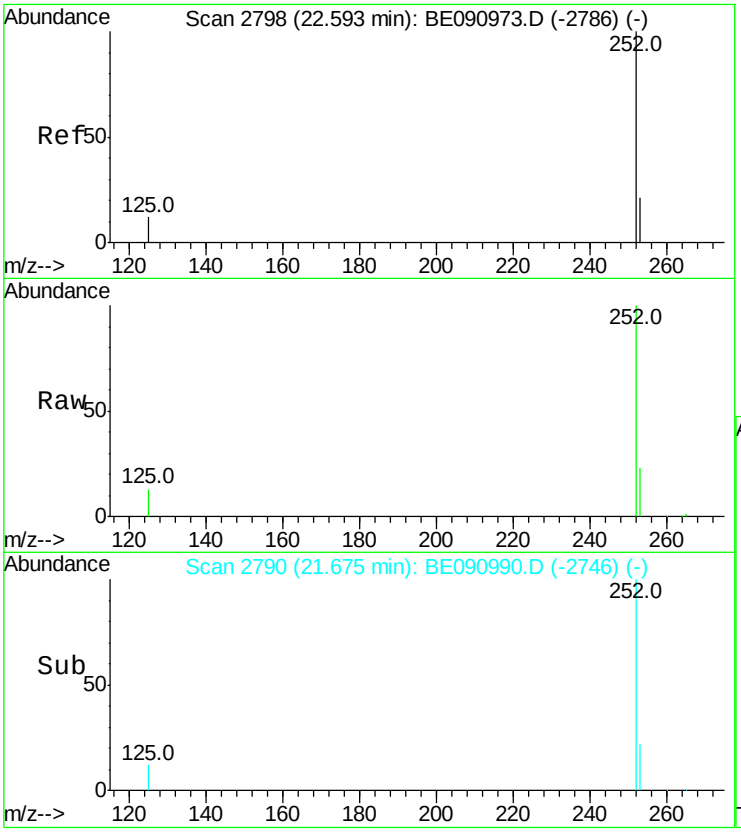


#35
Perylene-d12
Concen: 5.00 ng
RT: 22.25 min Scan# 2916
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:264 Resp: 492387

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.0	30.0
265	22.7	17.5	26.3



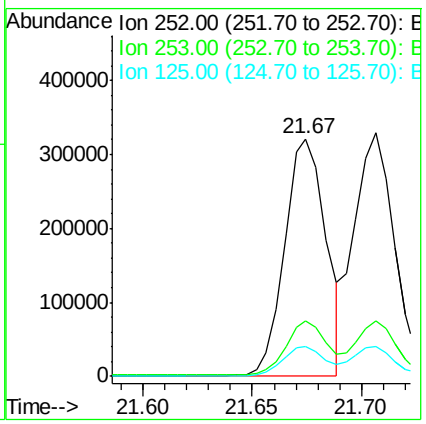


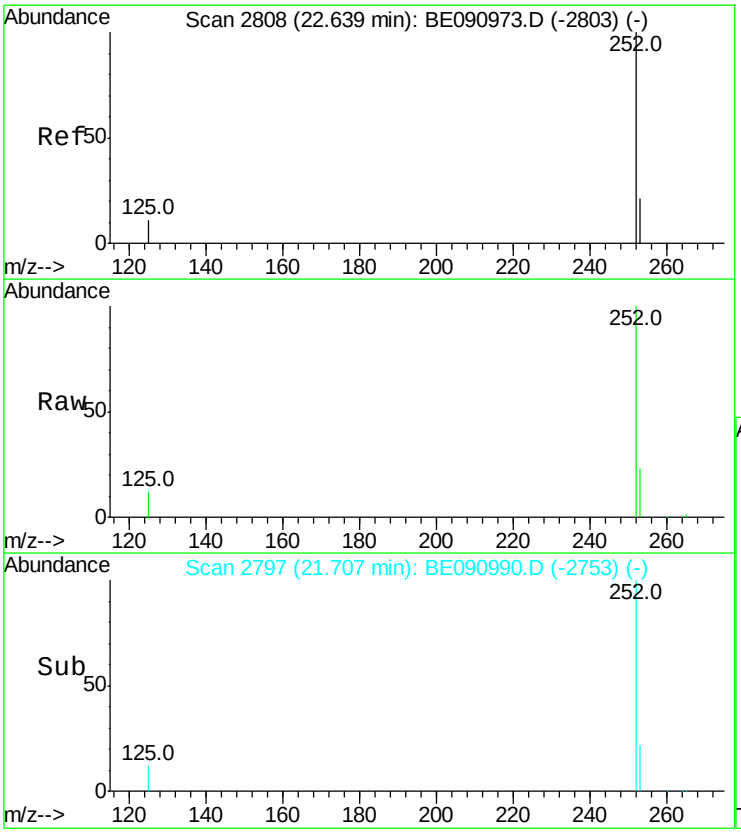
#36
Benzo(b)fluoranthene
Concen: 3.86 ng
RT: 21.67 min Scan# 2790
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:252 Resp: 418818

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.0
125	12.6	10.2	15.2

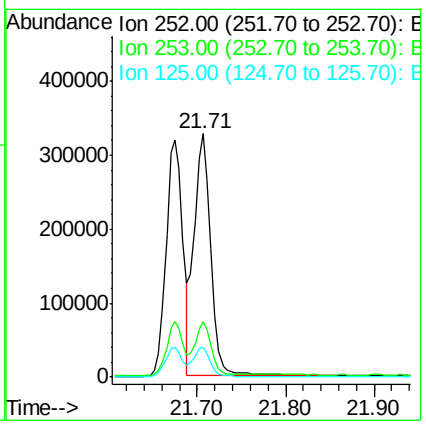


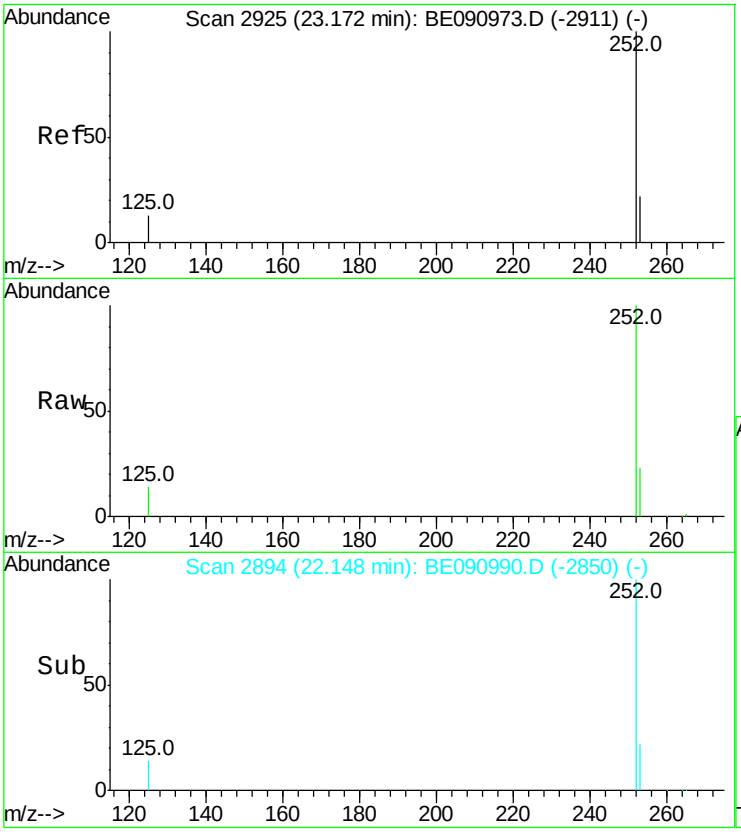


#37
Benzo(k)fluoranthene
Concen: 3.27 ng
RT: 21.71 min Scan# 2797
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:252 Resp: 432932

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.6	26.4
125	12.3	9.9	14.9



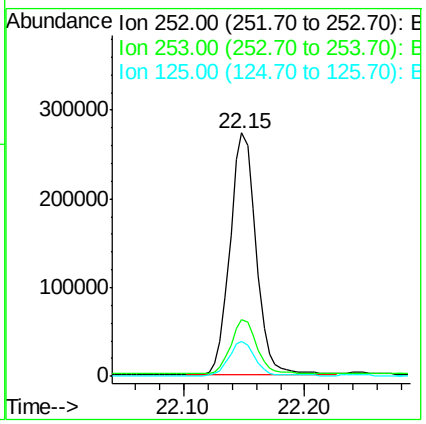


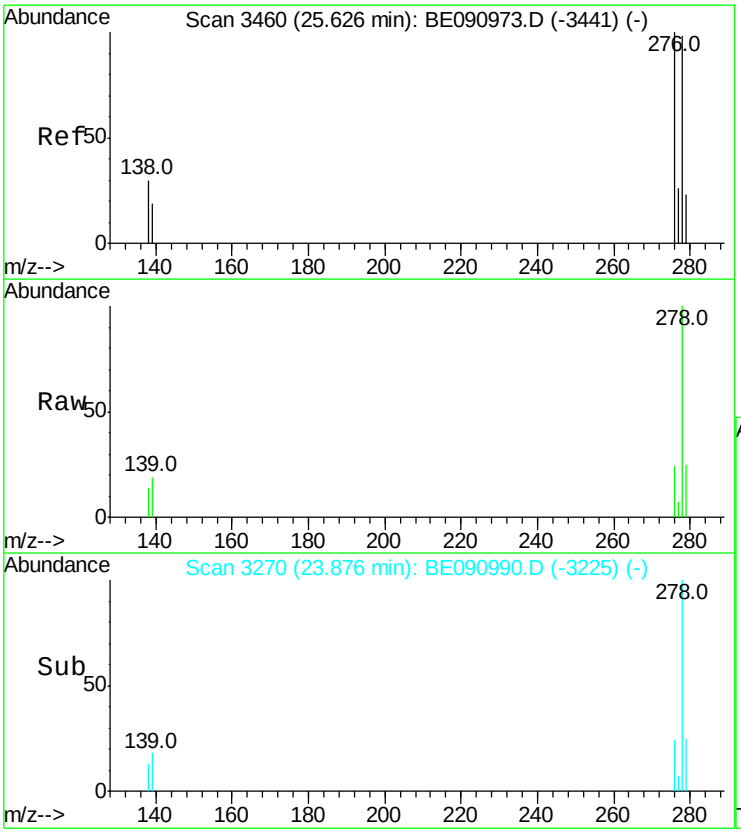
#38
Benzo(a)pyrene
Concen: 4.07 ng
RT: 22.15 min Scan# 2894
Delta R.T. -0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:252 Resp: 409217

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	14.1	11.0	16.4

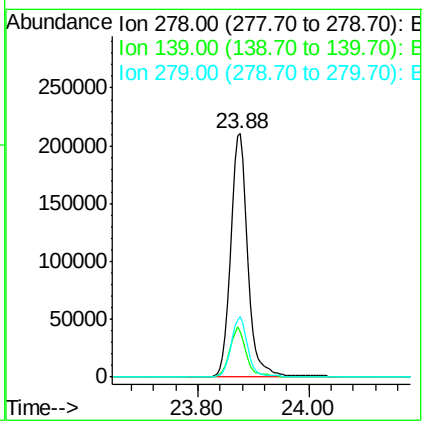


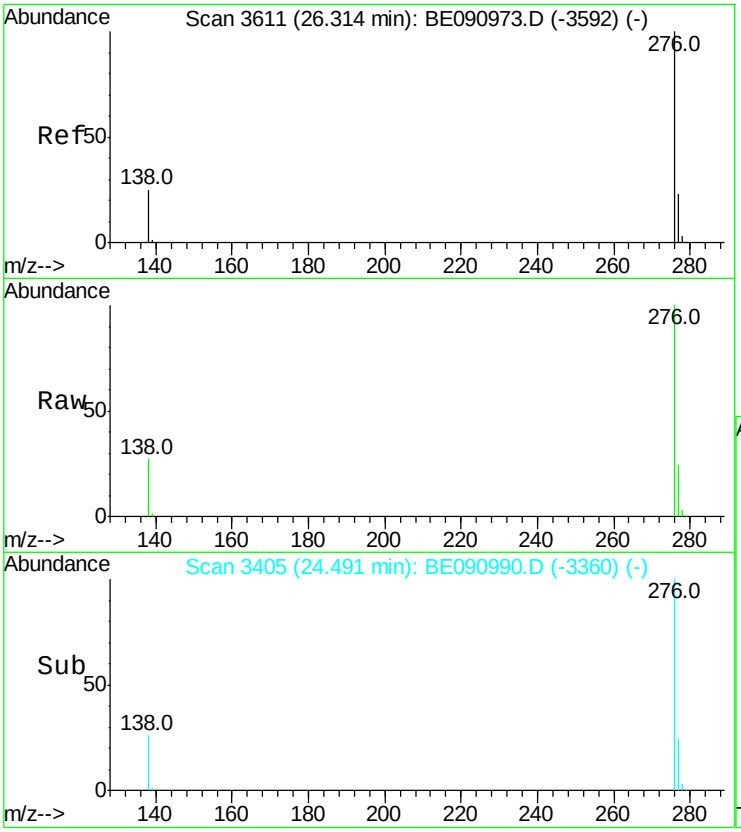


#39
Dibenzo(a,h)anthracene
Concen: 4.49 ng
RT: 23.88 min Scan# 3270
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Tgt Ion:278 Resp: 446273

Ion	Ratio	Lower	Upper
278	100		
139	18.6	16.0	24.0
279	24.7	19.4	29.2





#40
Benzo(g,h,i)perylene
Concen: 4.24 ng
RT: 24.49 min Scan# 3405
Delta R.T. 0.00 min
Lab File: BE090990.D
Acq: 7 Oct 2015 17:36

Instrument :
BNA_E
ClientSampleId :
PB85999BSD

Tgt Ion:276 Resp: 458161

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.6	28.0
138	26.6	20.4	30.6