Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE051117\
Data File : BE092999.D
Acq On : 11 May 2017 16:54
Operator : SJ/MA
Sample : PB98857BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB98857BS

Quant Time: May 11 18:52:16 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 14:48:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	999	0.40	ng		-0.02
7) Naphthalene-d8	10.53	136	3686	0.40	ng		0.00
13) Acenaphthene-d10	14.39	164	1521	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	2928	0.40	ng		0.00
27) Chrysene-d12	21.28	240	3465	0.40	ng		0.00
34) Perylene-d12	23.70	264	2845	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.36	112	850	0.31	ng		0.00
5) Phenol-d6	6.92	99	1007	0.29	ng		-0.02
8) Nitrobenzene-d5	8.88	82	919	0.32	ng		-0.02
11) 2-Methylnaphthalene-d10	12.11	152	1929	0.37	ng		-0.02
14) 2,4,6-Tribromophenol	15.88	330	107	0.26	ng		0.00
15) 2-Fluorobiphenyl	13.01	172	2080	0.35	ng		0.00
25) Fluoranthene-d10	19.16	212	2536	0.33	ng		0.00
29) Terphenyl-d14	19.74	244	1792	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	425	0.21	ng	#	69
3) n-Nitrosodimethylamine	3.61	42	507	0.30	ng		99
6) bis(2-Chloroethyl)ether	7.18	93	981	0.29	ng	#	99
9) Naphthalene	10.58	128	2888	0.29	ng		99
10) Hexachlorobutadiene	10.89	225	408	0.30	ng		96
12) 2-Methylnaphthalene	12.19	142	1690	0.29	ng		97
16) Acenaphthylene	14.10	152	7166	0.28	ng		99
17) Acenaphthene	14.46	154	1369	0.29	ng		95
18) Fluorene	15.44	166	1595	0.27	ng		99
20) 4-Bromophenyl-phenylether	16.36	248	337	0.36	ng		95
21) Hexachlorobenzene	16.47	284	521	0.36	ng	#	100
22) Pentachlorophenol	16.82	266	250	0.75	ng		92
23) Phenanthrene	17.19	178	2536	0.38	ng		98
24) Anthracene	17.28	178	2170	0.36	ng		98
26) Fluoranthene	19.18	202	12128	0.32	ng	#	100
28) Pyrene	19.53	202	12390	0.29	ng	#	97
30) Benzo(a)anthracene	21.27	228	2310	0.27	ng		98
31) Chrysene	21.32	228	3318	0.31	ng		98
32) Bis(2-ethylhexyl)phthalate	21.20	149	682	0.26	ng		100
33) Indeno(1,2,3-cd)pyrene	26.24	276	11309	0.33	ng		98
35) Benzo(b)fluoranthene	22.95	252	3007	0.33	ng		98
36) Benzo(k)fluoranthene	23.01	252	2688	0.29	ng		99
37) Benzo(a)pyrene	23.59	252	2353	0.29	ng		96
38) Dibenzo(a,h)anthracene	26.27	278	2247	0.31	ng		94
39) Benzo(g,h,i)perylene	27.02	276	10778	0.33	ng		96

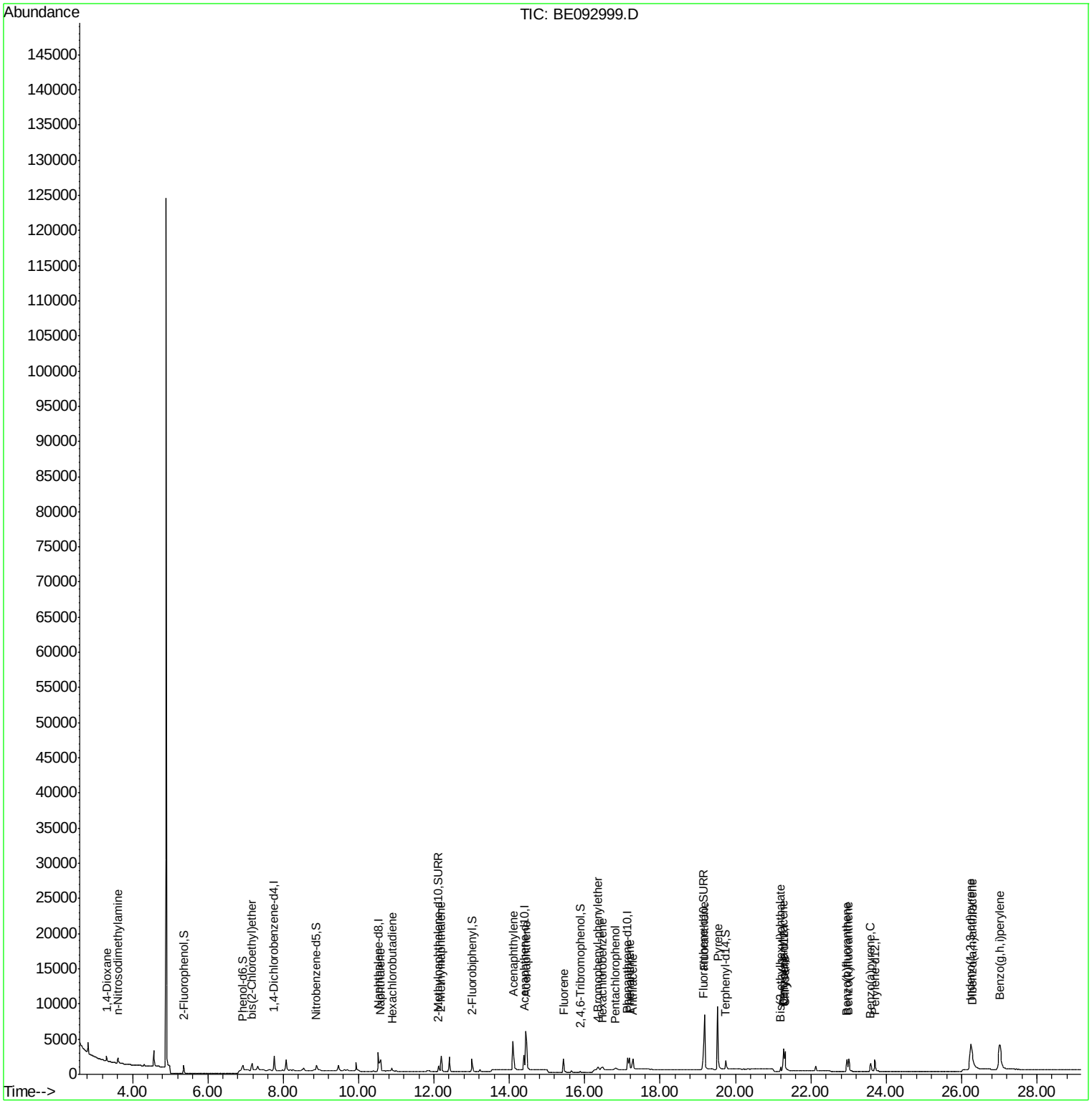
(#) = qualifier out of range (m) = manual integration (+) = signals summed

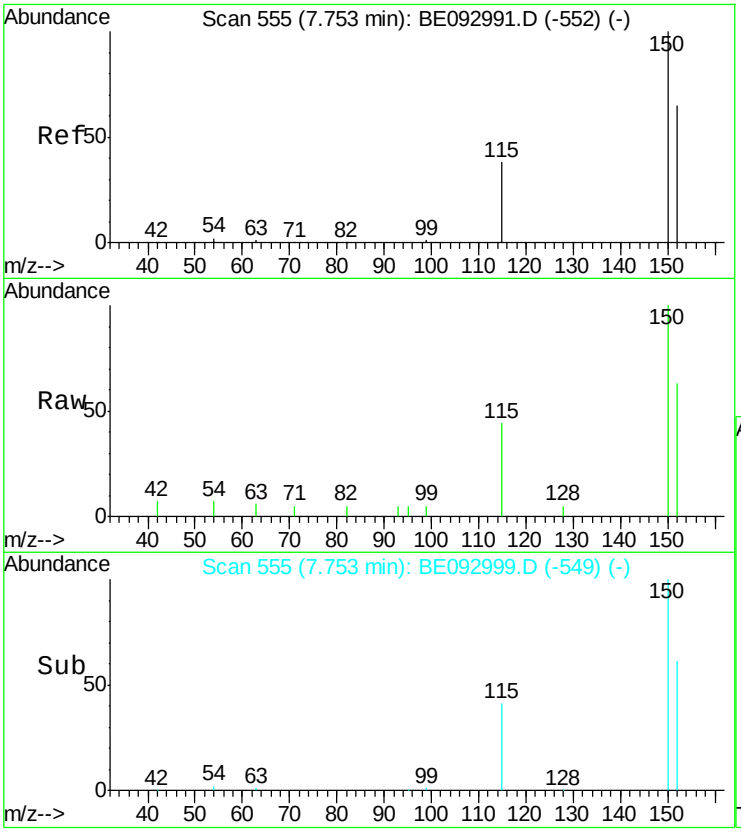
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\Data\BE051117\
Data File : BE092999.D
Acq On : 11 May 2017 16:54
Operator : SJ/MA
Sample : PB98857BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Quant Time: May 11 18:52:16 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051117.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu May 11 14:48:08 2017
Response via : Initial Calibration



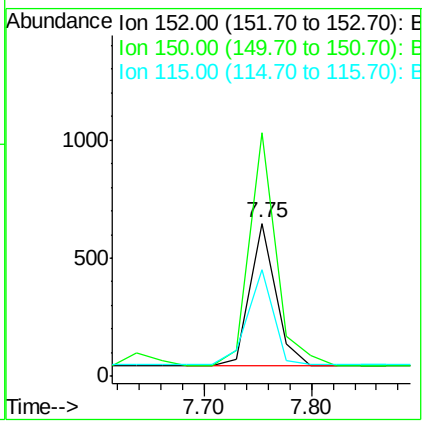


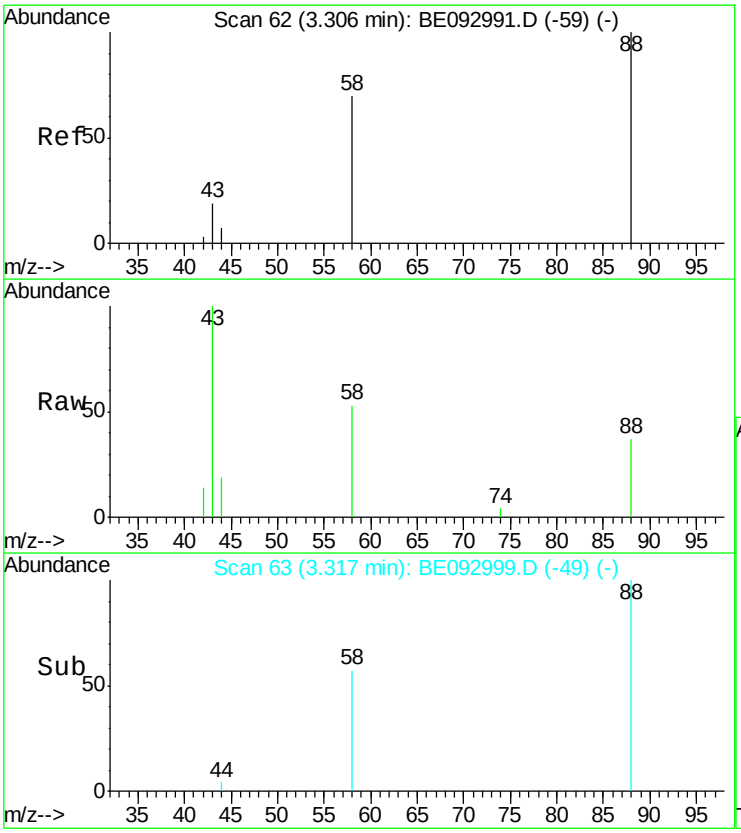
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.75 min Scan# 555
Delta R.T. -0.02 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:152 Resp: 999

Ion	Ratio	Lower	Upper
152	100		
150	159.4	125.1	187.7
115	69.6	55.7	83.5

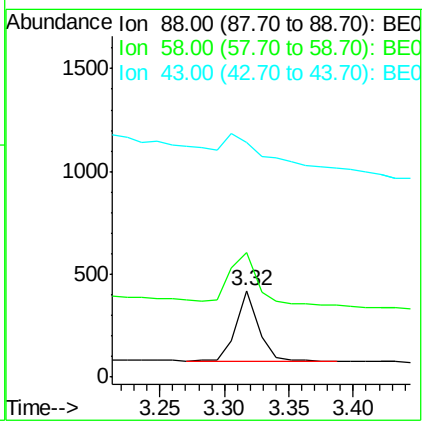


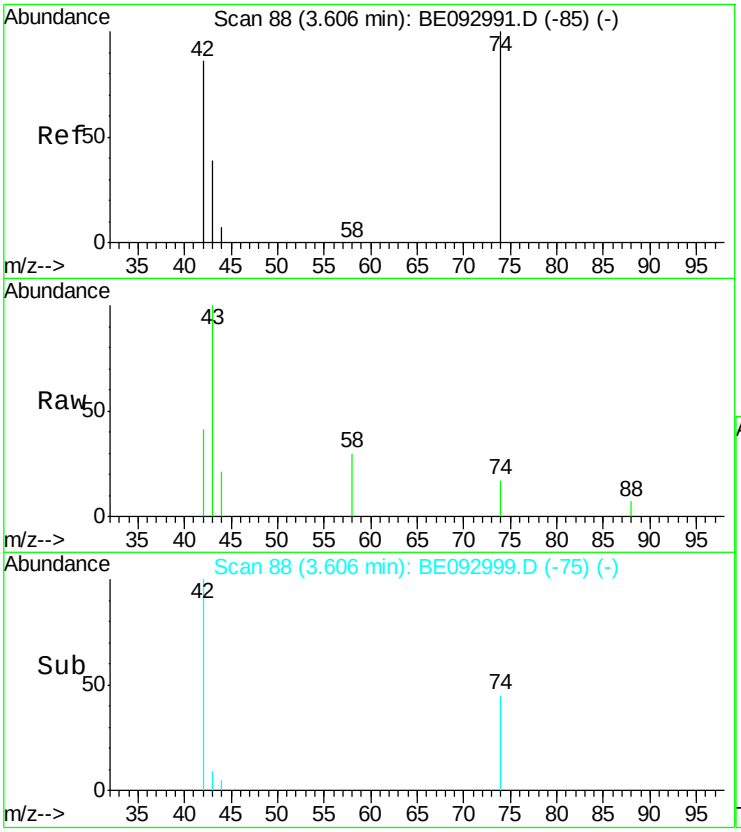


#2
1,4-Dioxane
Concen: 0.21 ng
RT: 3.32 min Scan# 63
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion: 88 Resp: 425

Ion	Ratio	Lower	Upper
88	100		
58	96.7	62.2	93.4#
43	0.0	23.2	34.8#



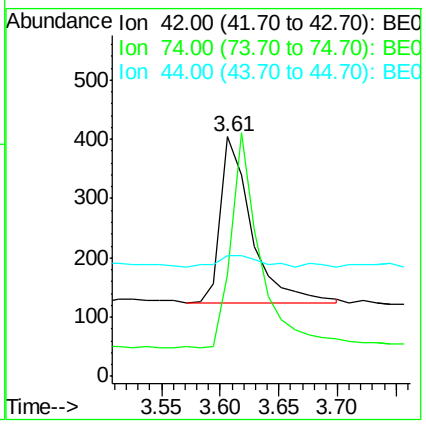


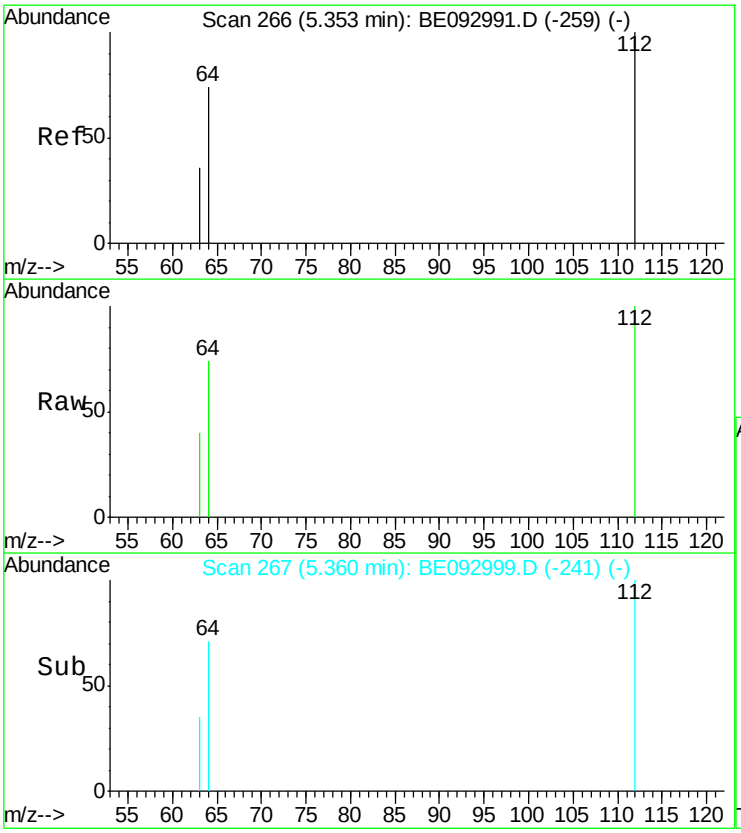
#3
n-Nitrosodimethylamine
Concen: 0.30 ng
RT: 3.61 min Scan# 88
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion: 42 Resp: 507

Ion	Ratio	Lower	Upper
42	100		
74	123.1	99.1	148.7
44	10.3	7.4	11.2

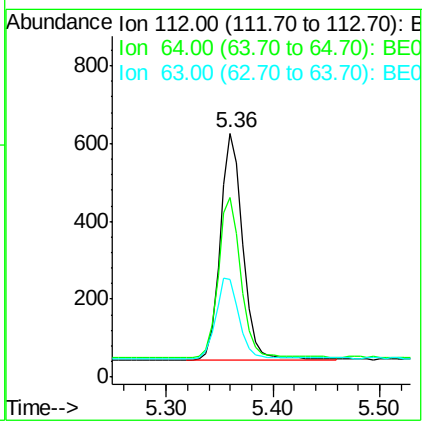


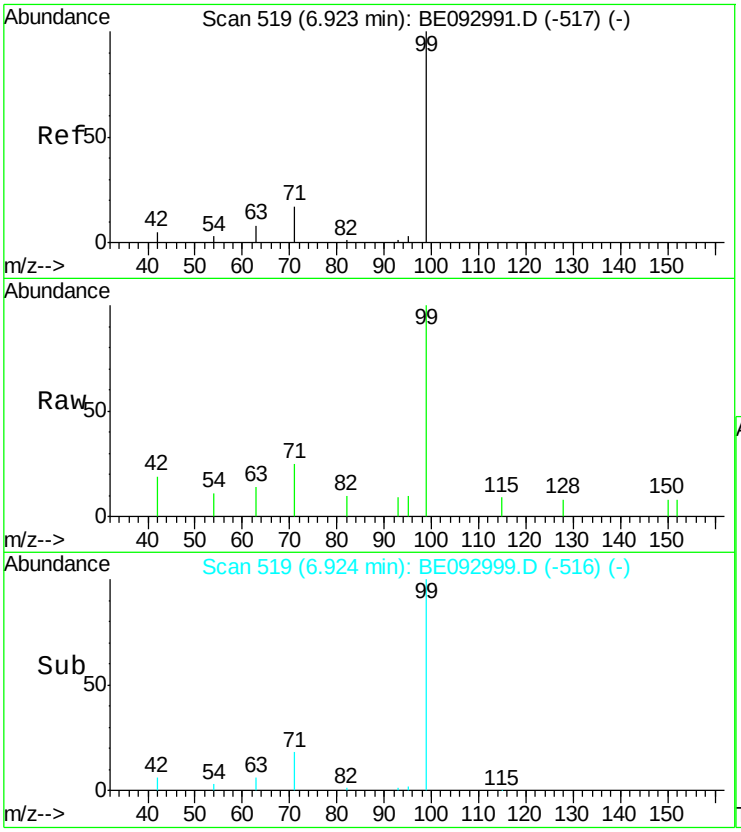


#4
2-Fluorophenol
Concen: 0.31 ng
RT: 5.36 min Scan# 267
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:112 Resp: 850

Ion	Ratio	Lower	Upper
112	100		
64	72.1	56.4	84.6
63	36.9	29.3	43.9



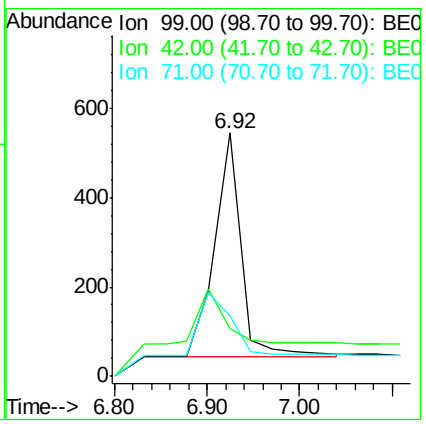


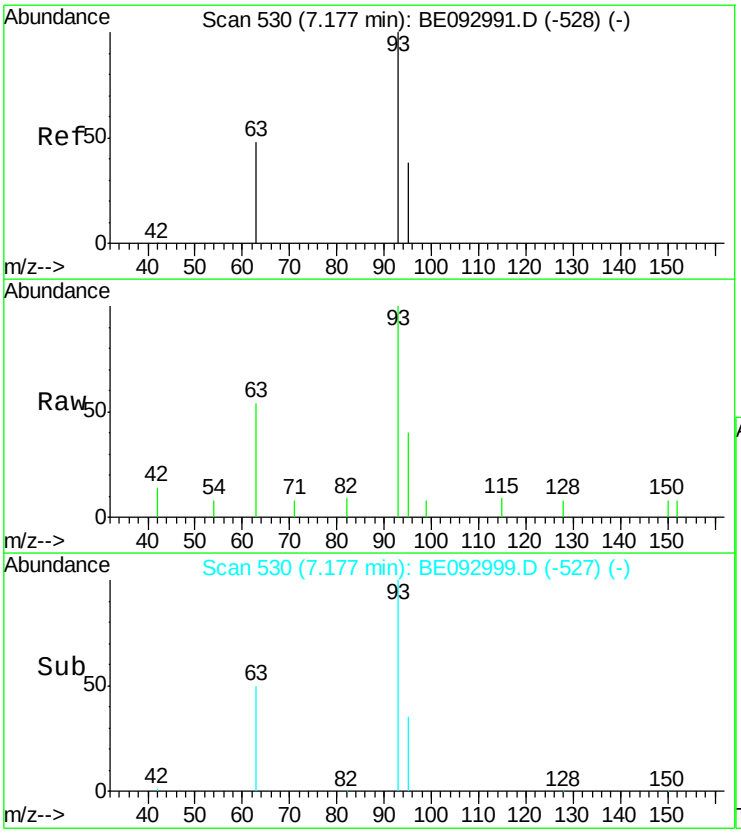
#5
Phenol-d6
Concen: 0.29 ng
RT: 6.92 min Scan# 519
Delta R.T. -0.02 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion: 99 Resp: 1007

Ion	Ratio	Lower	Upper
99	100		
42	0.0	0.0	0.0
71	0.0	0.0	0.0

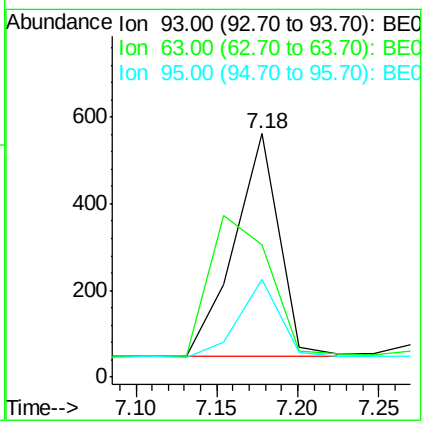


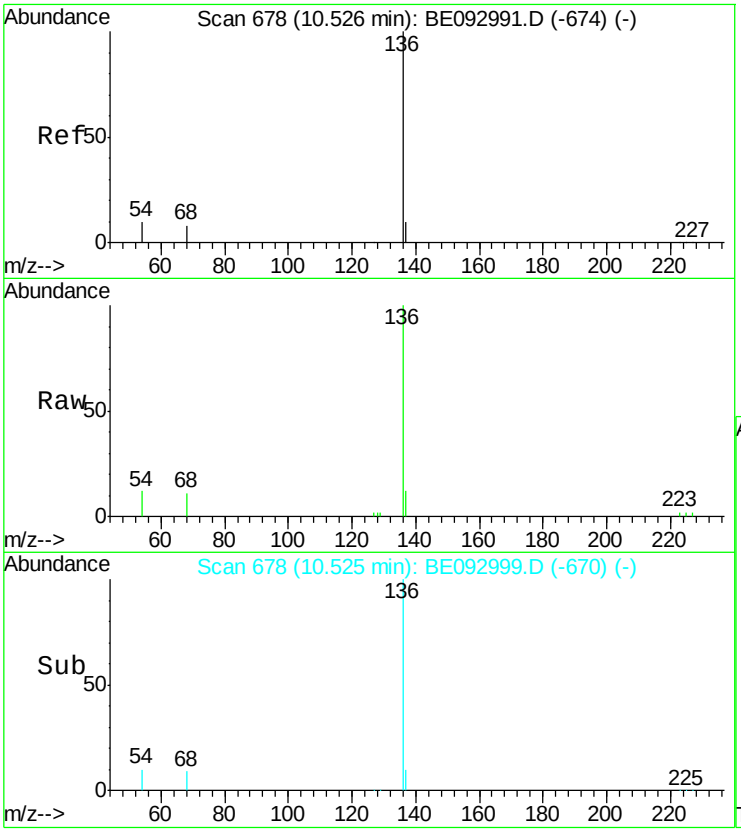


#6
bis(2-Chloroethyl)ether
Concen: 0.29 ng
RT: 7.18 min Scan# 530
Delta R.T. -0.02 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion: 93 Resp: 981

Ion	Ratio	Lower	Upper
93	100		
63	0.0	0.0	0.0
95	32.0	25.4	38.0



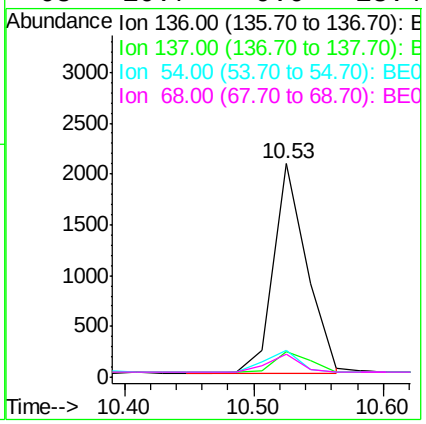


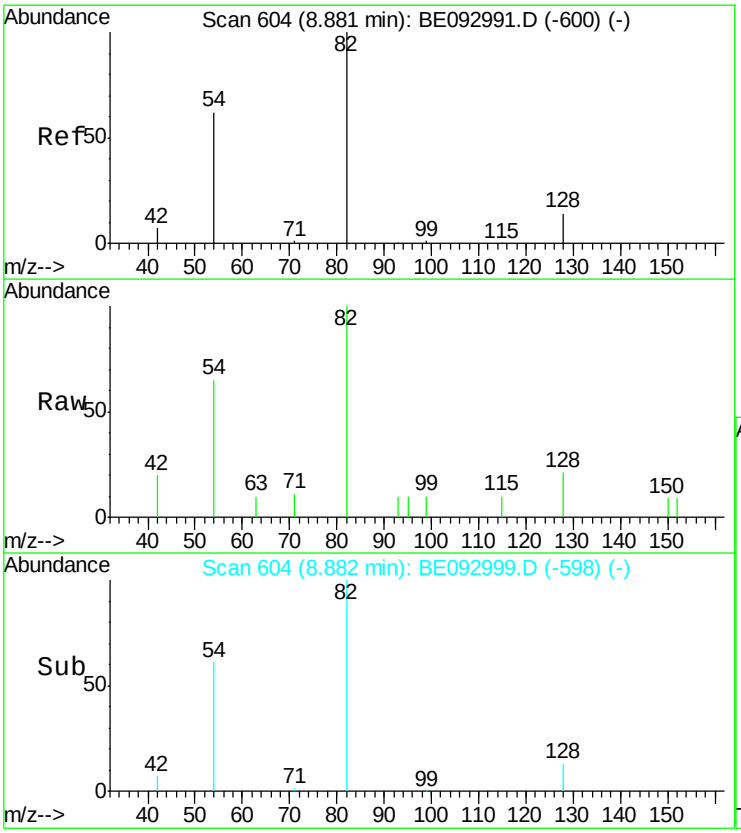
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.53 min Scan# 678
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:136 Resp: 3686

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.8	14.8
54	12.4	10.3	15.5
68	10.7	9.0	13.4

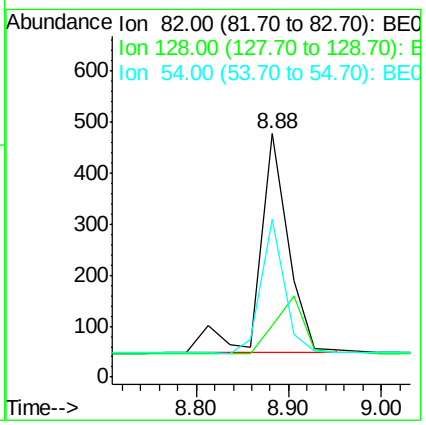


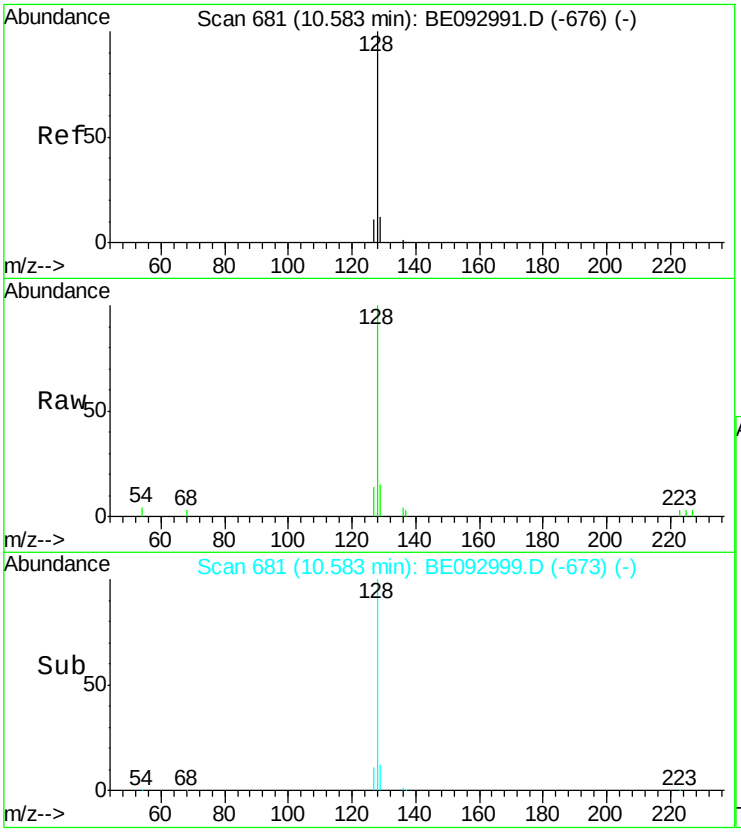


#8
Nitrobenzene-d5
Concen: 0.32 ng
RT: 8.88 min Scan# 604
Delta R.T. -0.02 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion: 82 Resp: 919

Ion	Ratio	Lower	Upper
82	100		
128	21.2	17.0	25.4
54	65.0	53.8	80.6



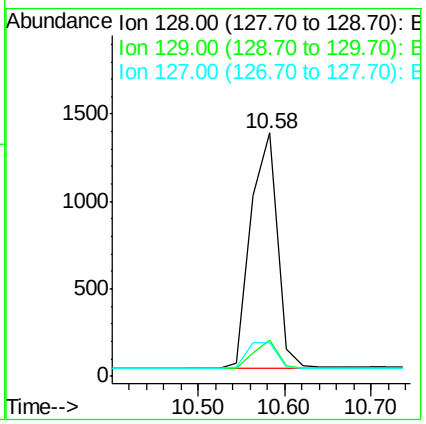


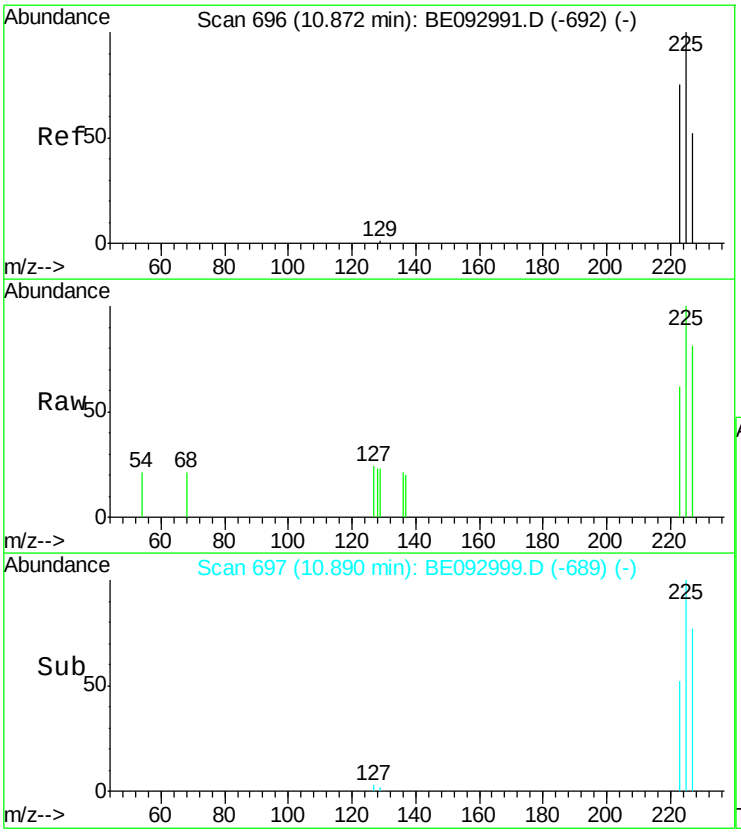
#9
Naphthalene
Concen: 0.29 ng
RT: 10.58 min Scan# 681
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:128 Resp: 2888

Ion	Ratio	Lower	Upper
128	100		
129	14.7	11.4	17.0
127	14.0	11.2	16.8

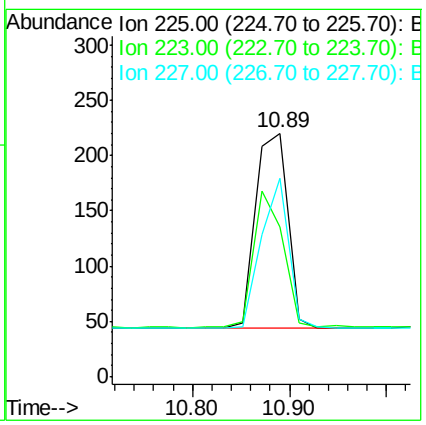


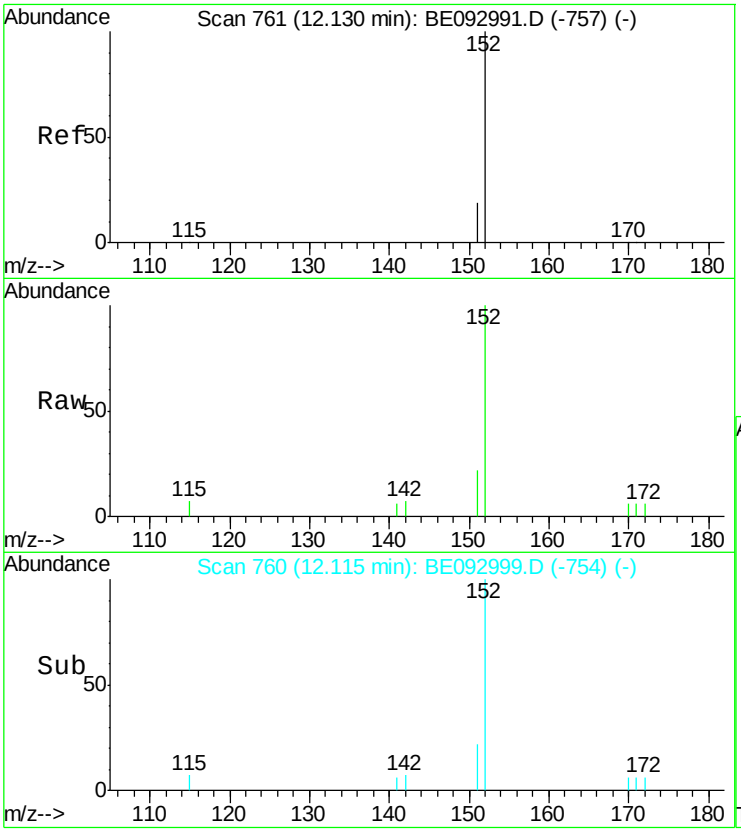


#10
Hexachlorobutadiene
Concen: 0.30 ng
RT: 10.89 min Scan# 697
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:225 Resp: 408

Ion	Ratio	Lower	Upper
225	100		
223	65.9	49.7	74.5
227	64.7	50.3	75.5



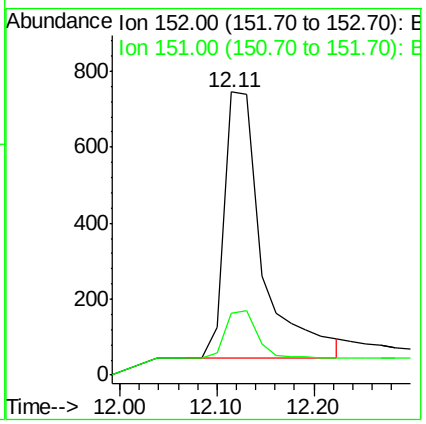


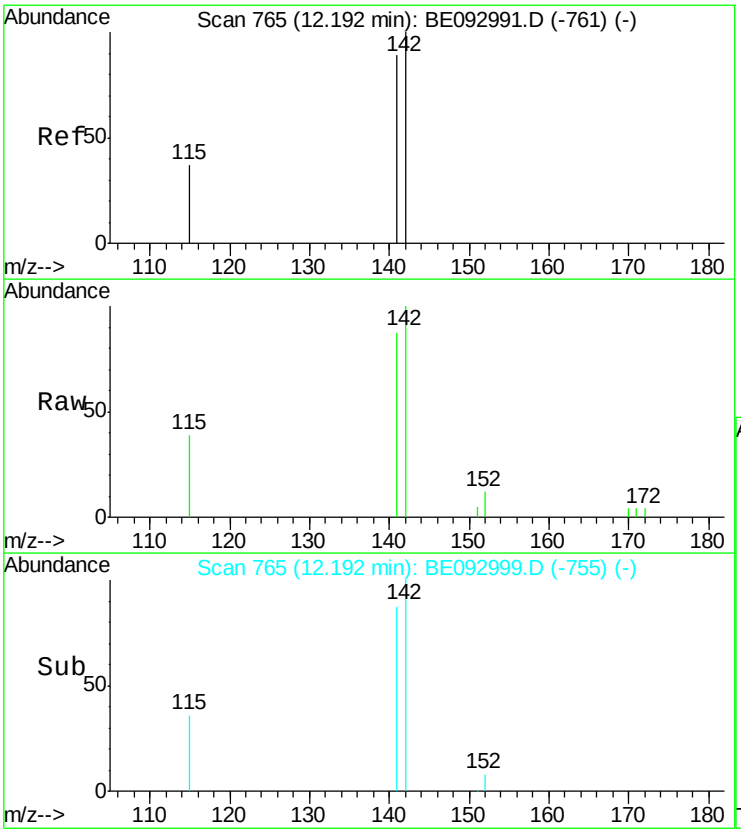
#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.11 min Scan# 760
Delta R.T. -0.02 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:152 Resp: 1929

Ion	Ratio	Lower	Upper
152	100		
151	15.0	15.1	22.7#

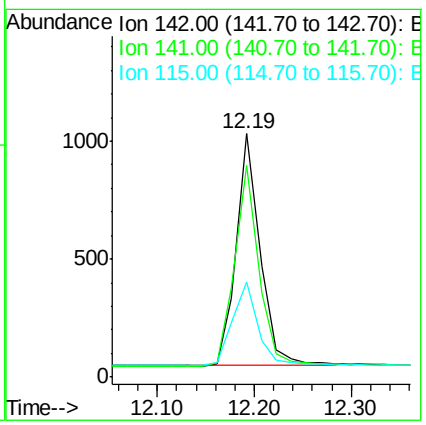


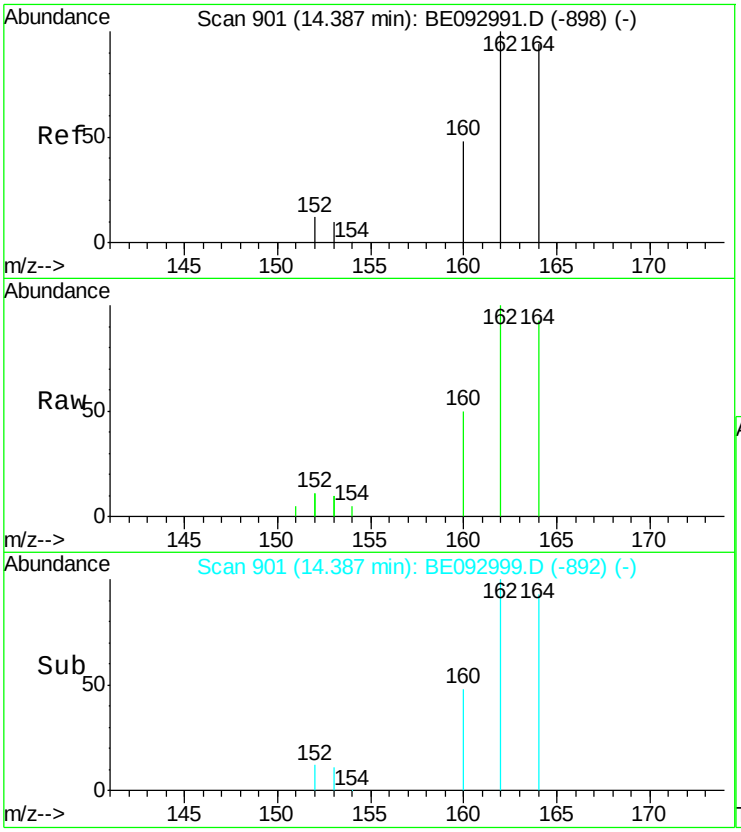


#12
2-Methylnaphthalene
Concen: 0.29 ng
RT: 12.19 min Scan# 765
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:142 Resp: 1690

Ion	Ratio	Lower	Upper
142	100		
141	87.0	72.6	108.8
115	39.3	32.2	48.2



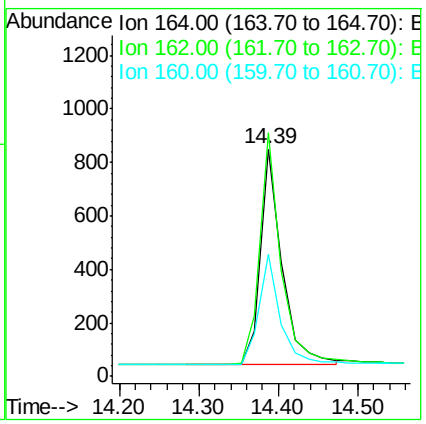


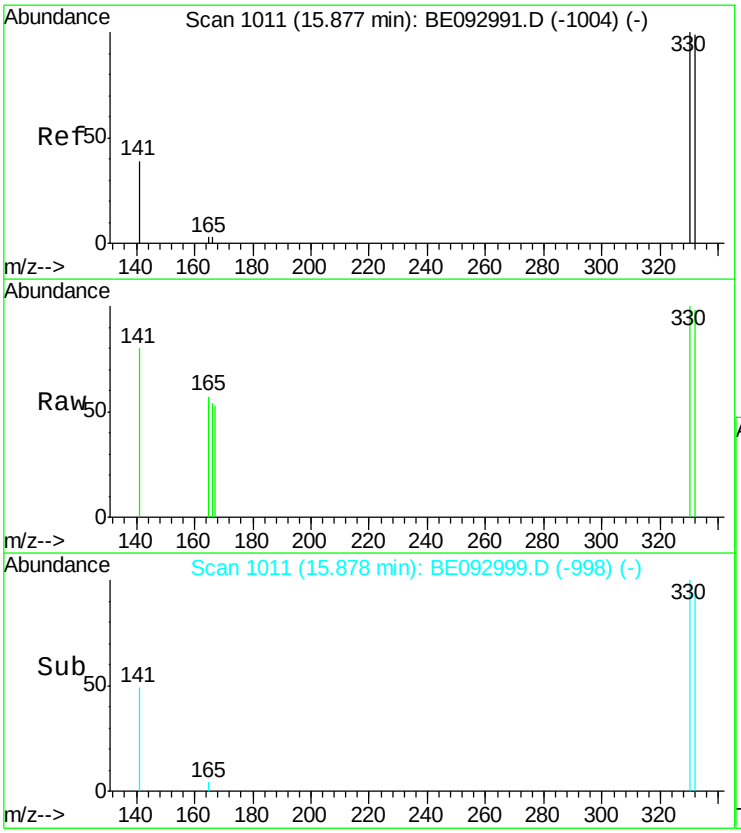
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.39 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:164 Resp: 1521

Ion	Ratio	Lower	Upper
164	100		
162	107.1	84.6	127.0
160	53.7	41.8	62.6

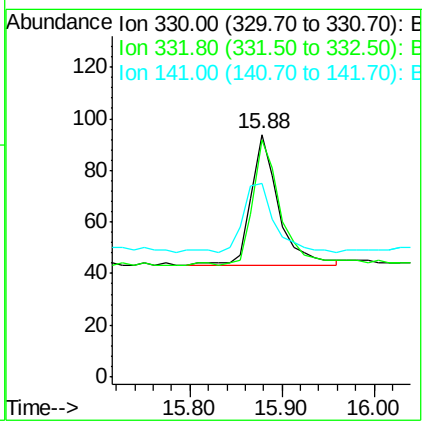


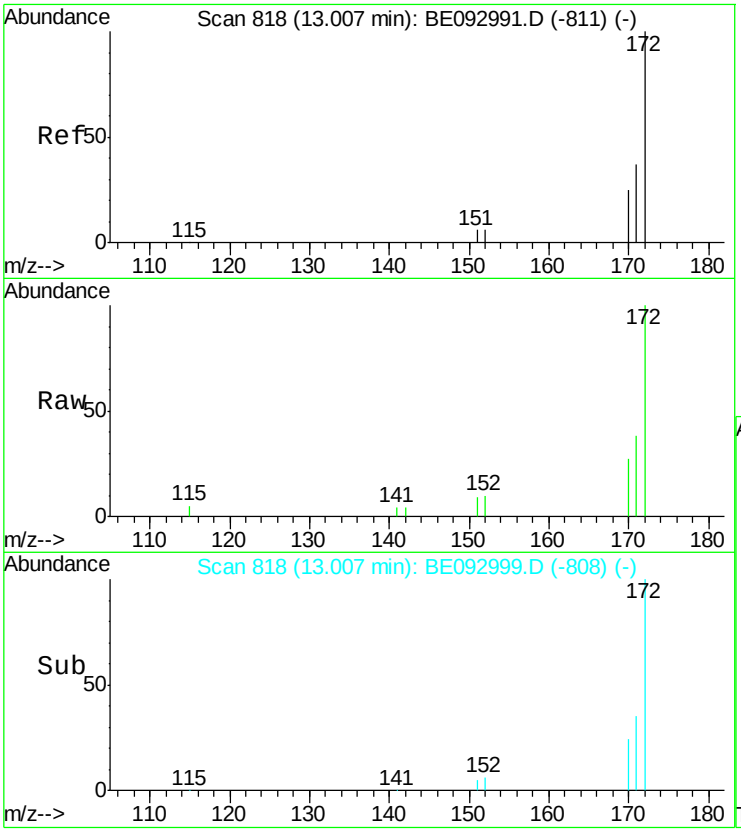


#14
2,4,6-Tribromophenol
Concen: 0.26 ng
RT: 15.88 min Scan# 1011
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:330 Resp: 107

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.7	116.5
141	59.8	56.2	84.4



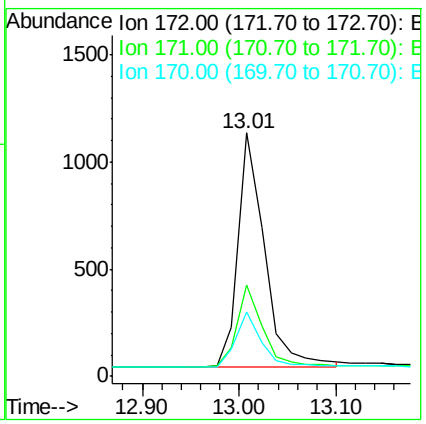


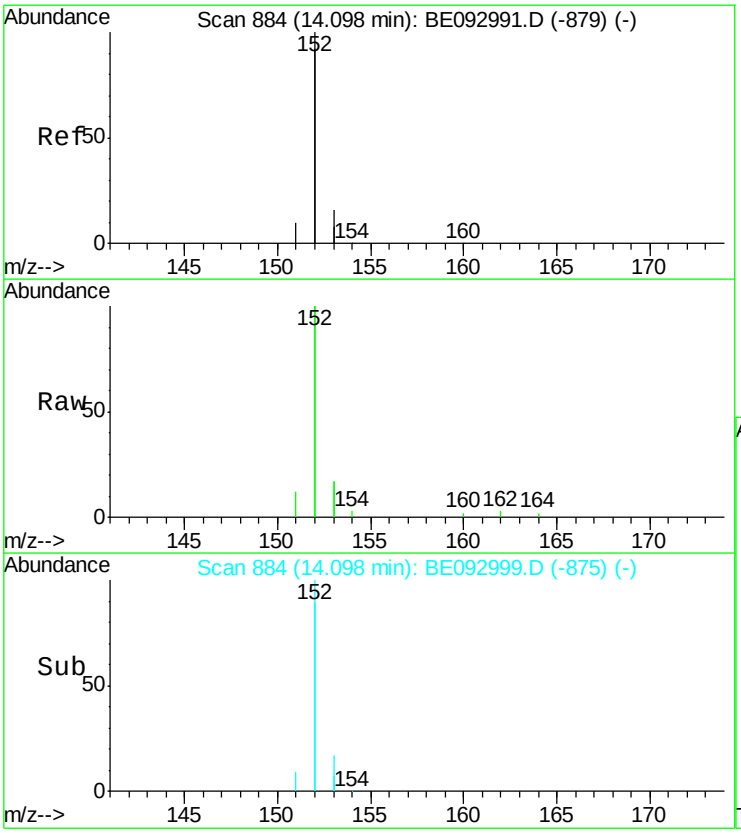
#15
2-Fluorobiphenyl
Concen: 0.35 ng
RT: 13.01 min Scan# 818
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:172 Resp: 2080

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.6
170	26.6	20.7	31.1

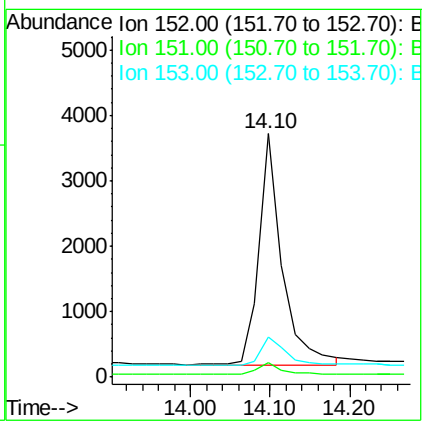


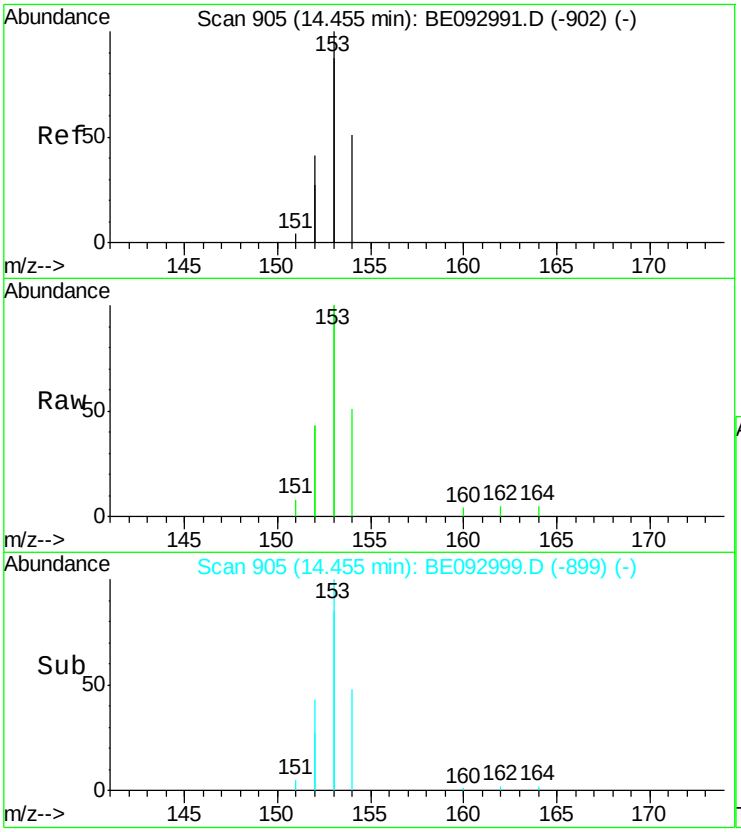


#16
Acenaphthylene
Concen: 0.28 ng
RT: 14.10 min Scan# 884
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:152 Resp: 7166

Ion	Ratio	Lower	Upper
152	100		
151	5.0	4.0	6.0
153	13.2	10.3	15.5



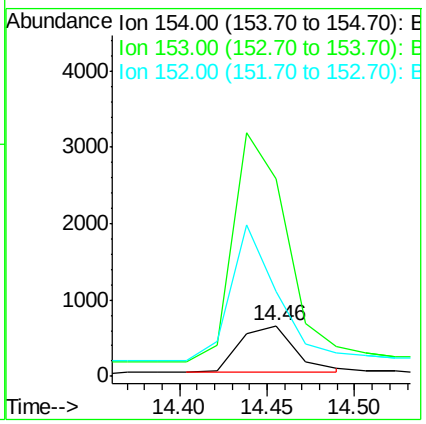


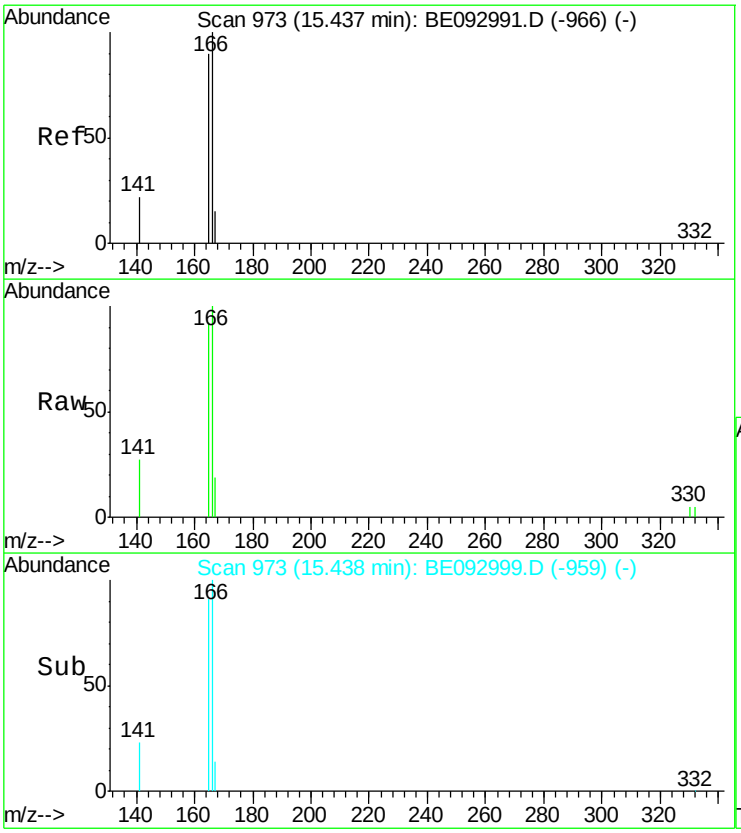
#17
Acenaphthene
Concen: 0.29 ng
RT: 14.46 min Scan# 905
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:154 Resp: 1369

Ion	Ratio	Lower	Upper
154	100		
153	472.8	367.8	551.6
152	242.3	188.2	282.2

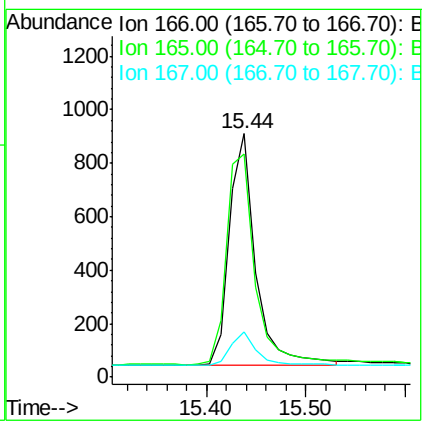


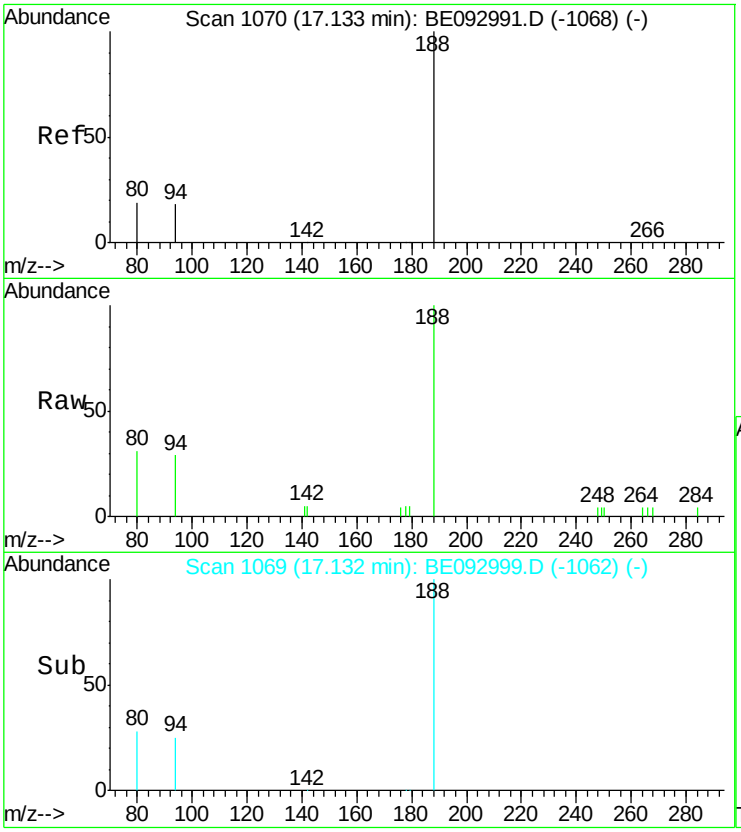


#18
Fluorene
Concen: 0.27 ng
RT: 15.44 min Scan# 973
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:166 Resp: 1595

Ion	Ratio	Lower	Upper
166	100		
165	99.3	78.6	117.8
167	14.5	11.1	16.7



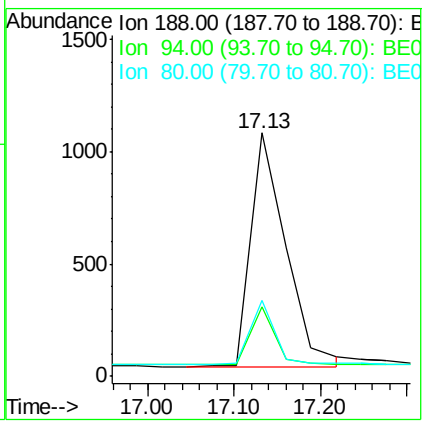


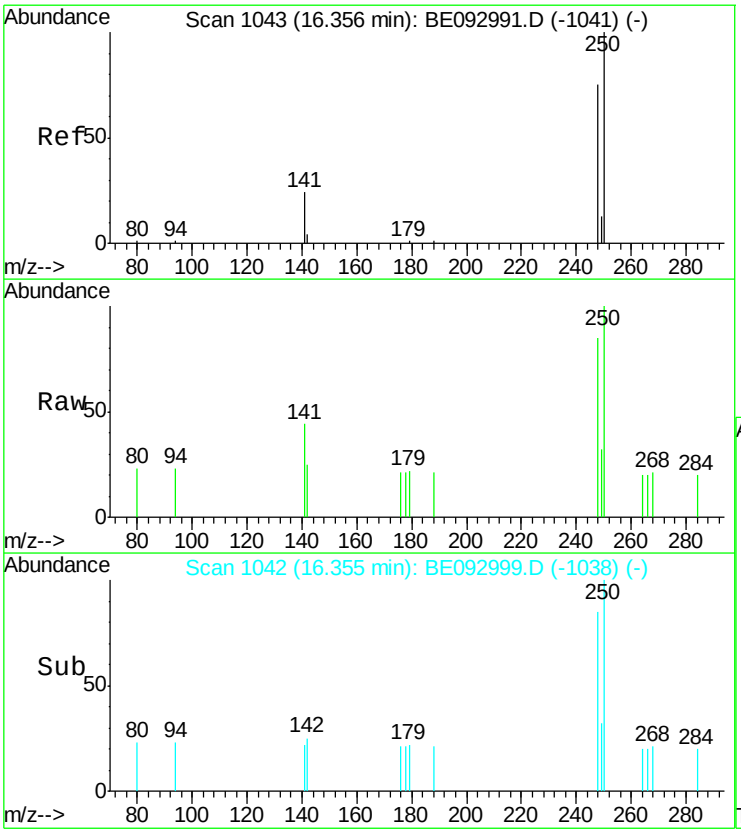
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.13 min Scan# 1069
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:188 Resp: 2928

Ion	Ratio	Lower	Upper
188	100		
94	28.5	11.3	16.9#
80	31.2	11.7	17.5#

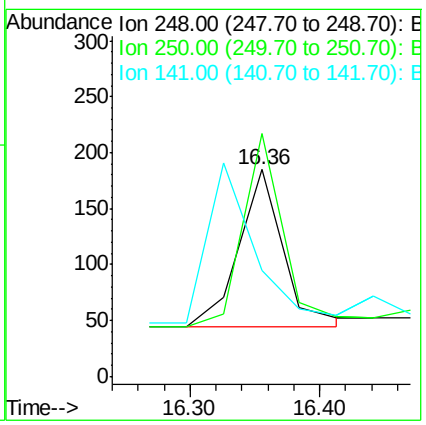


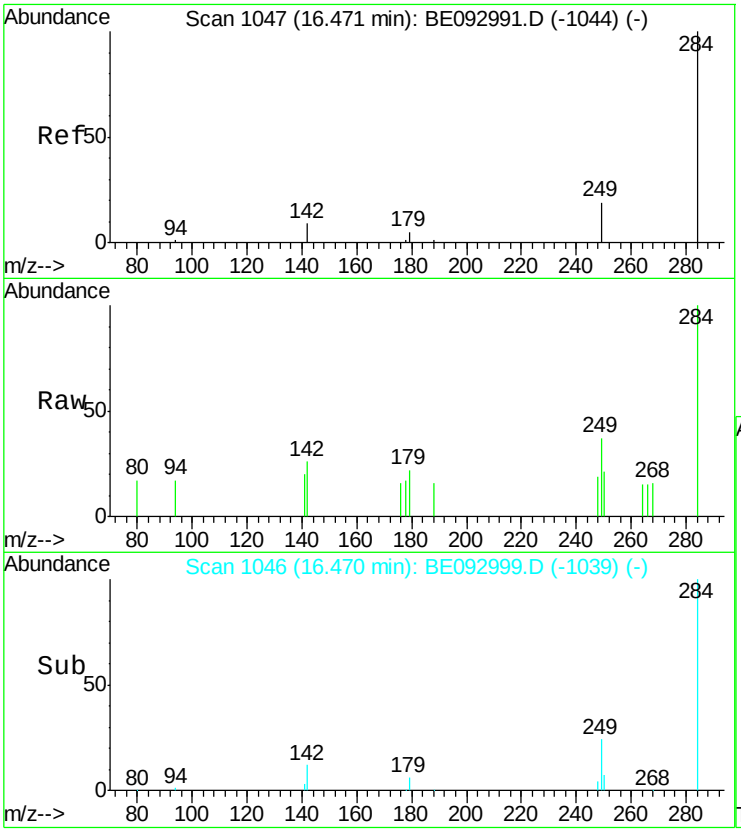


#20
4-Bromophenyl-phenylether
Concen: 0.36 ng
RT: 16.36 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:248 Resp: 337

Ion	Ratio	Lower	Upper
248	100		
250	117.3	100.0	150.0
141	51.4	40.0	60.0



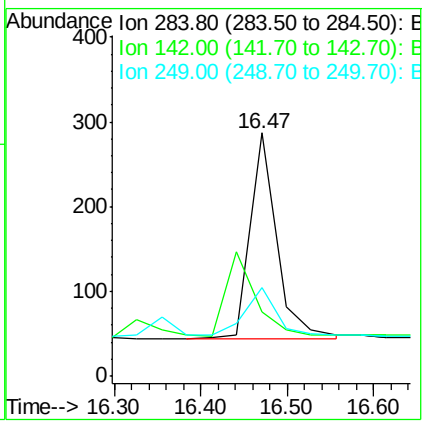


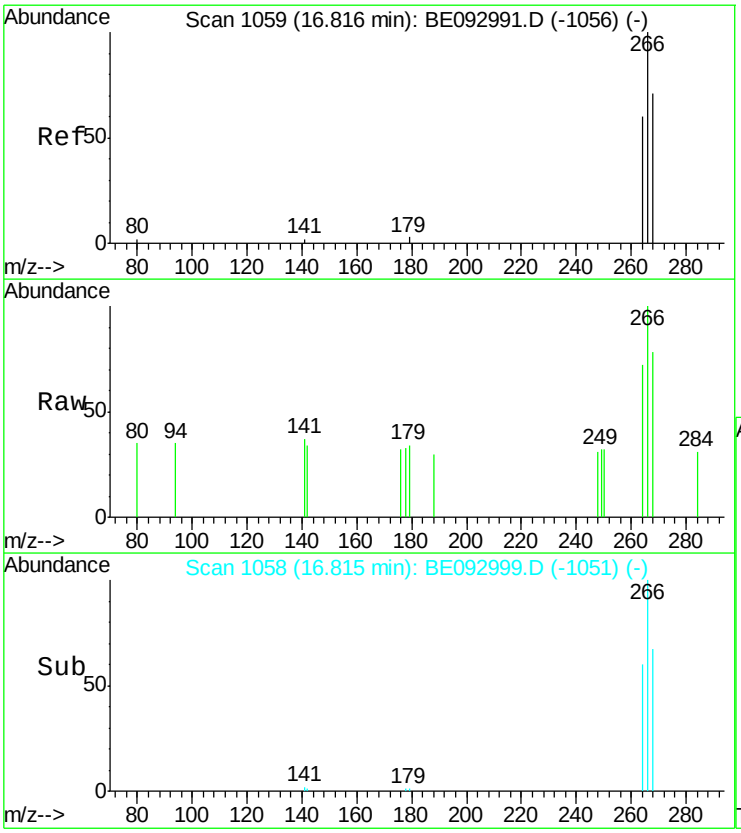
#21
Hexachlorobenzene
Concen: 0.36 ng
RT: 16.47 min Scan# 1046
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:284 Resp: 521

Ion	Ratio	Lower	Upper
284	100		
142	0.0	0.0	0.0
249	27.3	0.0	0.0#

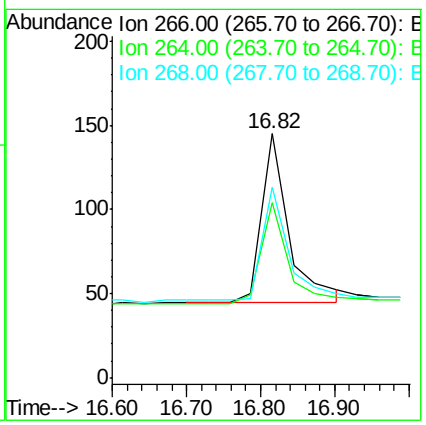


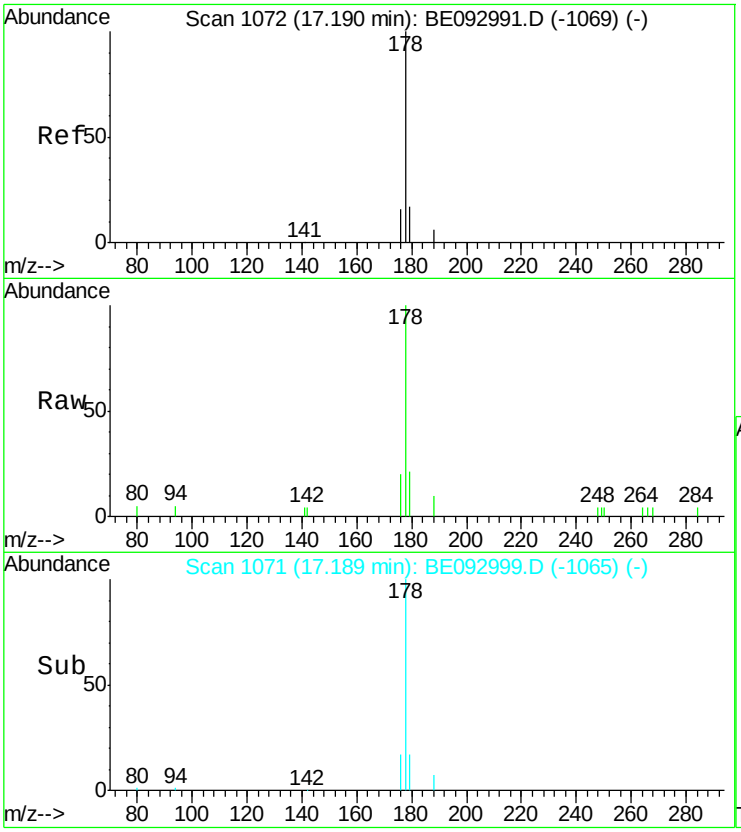


#22
Pentachlorophenol
Concen: 0.75 ng
RT: 16.82 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:266 Resp: 250

Ion	Ratio	Lower	Upper
266	100		
264	71.7	58.2	87.2
268	77.9	71.9	107.9



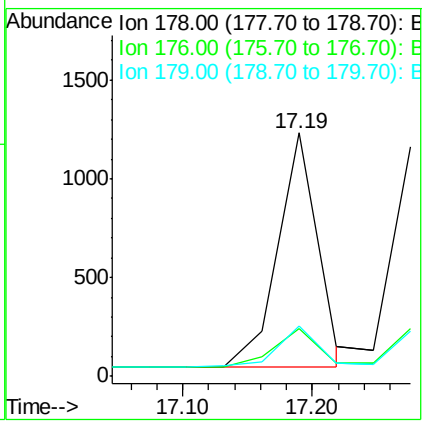


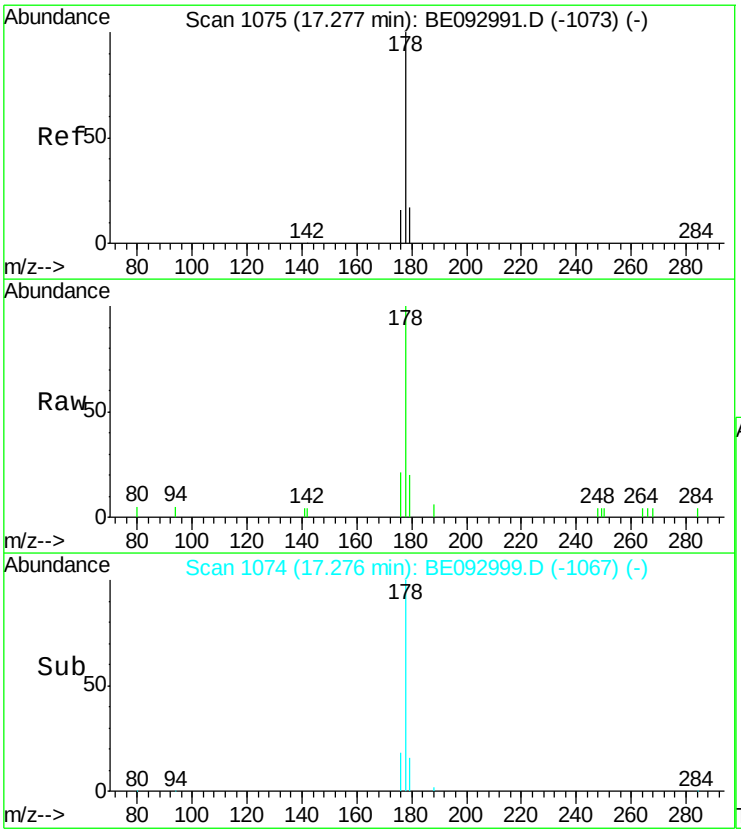
#23
Phenanthrene
Concen: 0.38 ng
RT: 17.19 min Scan# 1071
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:178 Resp: 2536

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	16.8	12.7	19.1

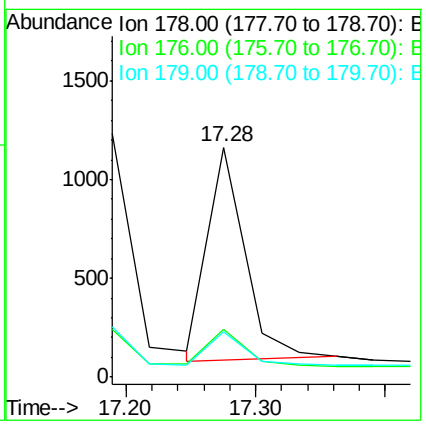


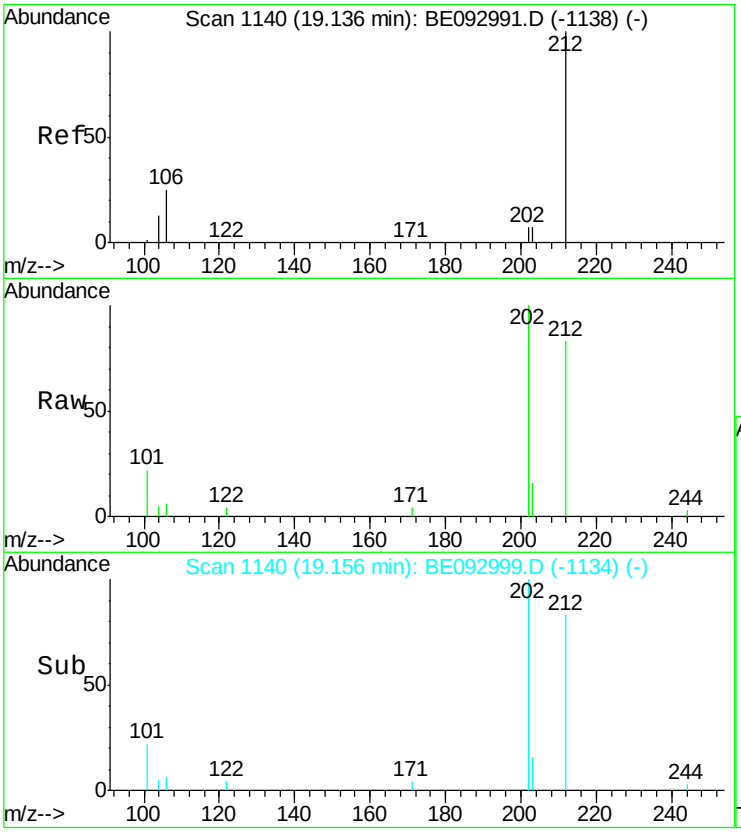


#24
Anthracene
Concen: 0.36 ng
RT: 17.28 min Scan# 1074
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:178 Resp: 2170

Ion	Ratio	Lower	Upper
178	100		
176	17.6	14.6	22.0
179	15.9	12.0	18.0



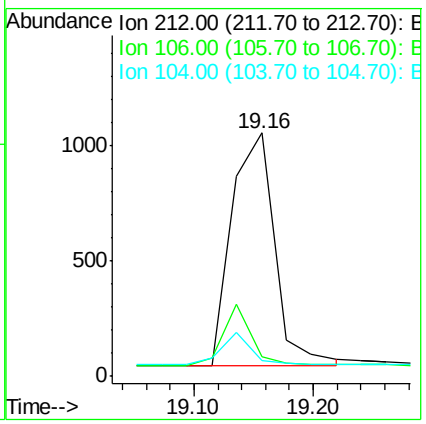


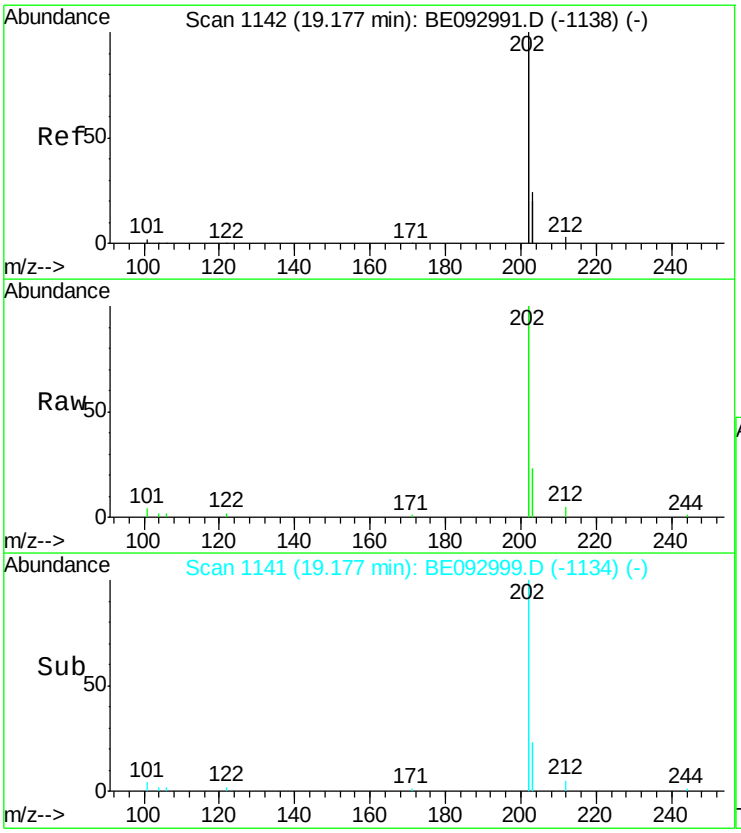
#25
Fluoranthene-d10
Concen: 0.33 ng
RT: 19.16 min Scan# 1140
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:212 Resp: 2536

Ion	Ratio	Lower	Upper
212	100		
106	0.0	0.0	0.0
104	0.0	0.0	0.0

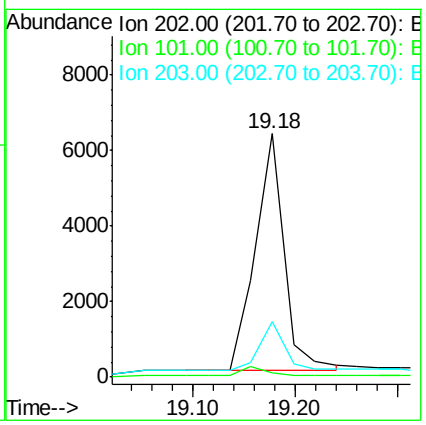


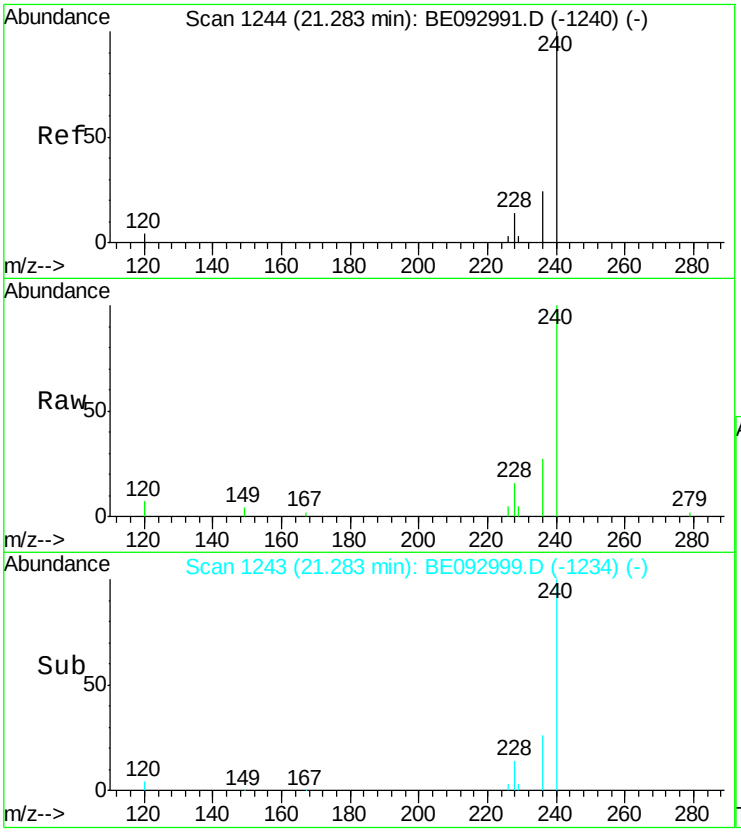


#26
Fluoranthene
Concen: 0.32 ng
RT: 19.18 min Scan# 1141
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:202 Resp: 12128

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	0.0
203	18.0	14.4	21.6



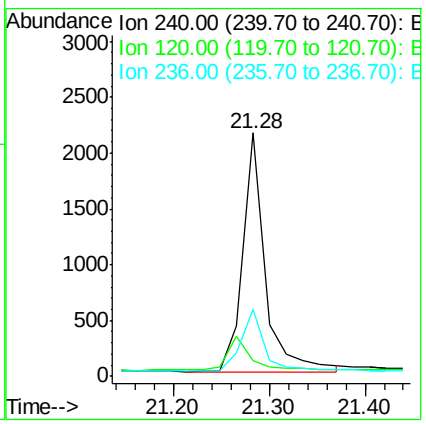


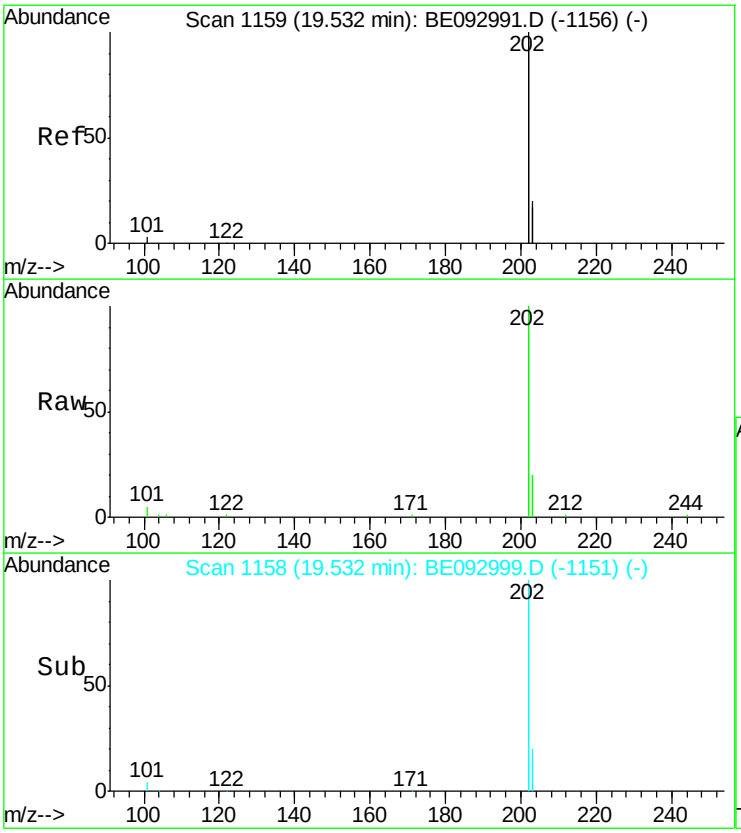
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.28 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:240 Resp: 3465

Ion	Ratio	Lower	Upper
240	100		
120	6.7	4.6	7.0
236	27.3	20.8	31.2

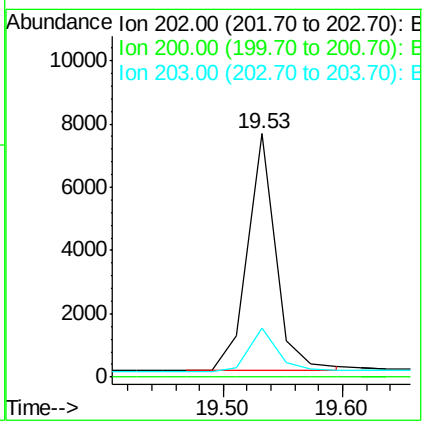


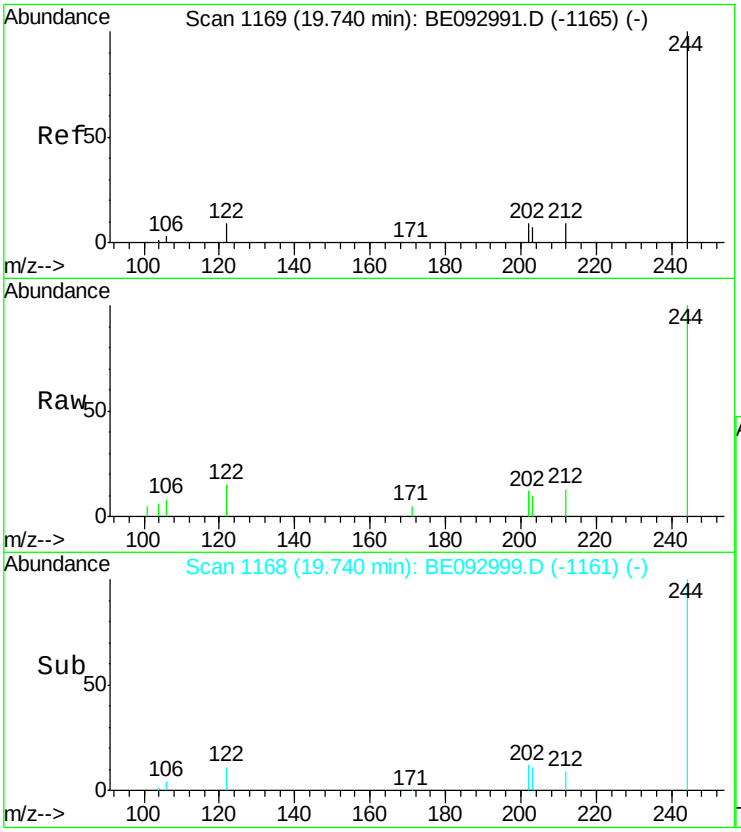


#28
Pyrene
Concen: 0.29 ng
RT: 19.53 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:202 Resp: 12390

Ion	Ratio	Lower	Upper
202	100		
200	0.0	0.0	0.0
203	18.5	13.7	20.5



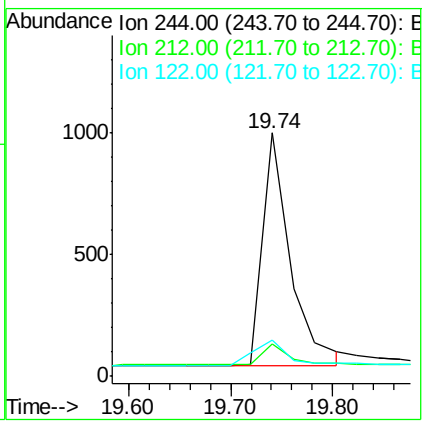


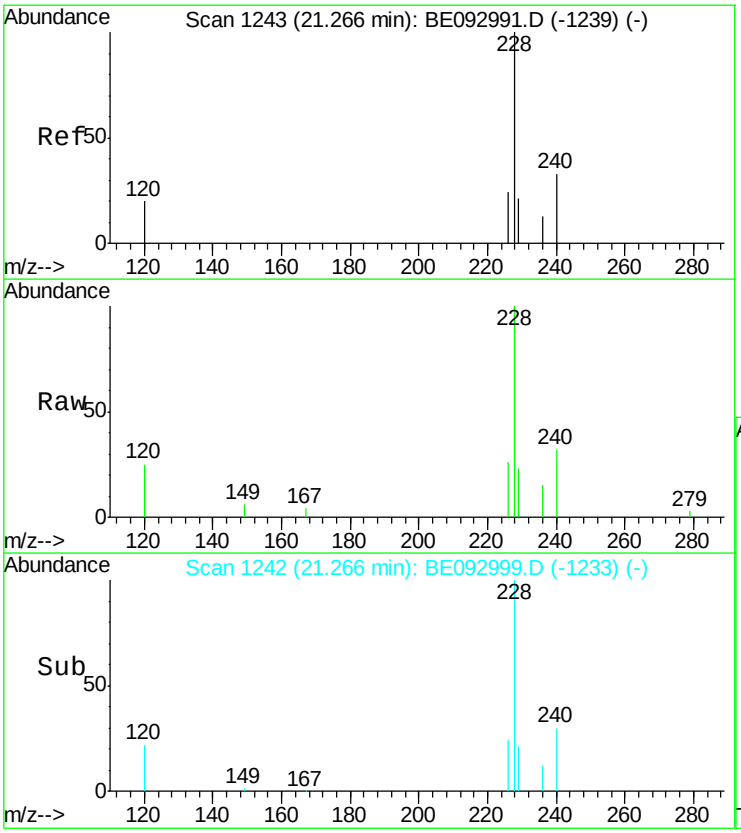
#29
Terphenyl-d14
Concen: 0.29 ng
RT: 19.74 min Scan# 1168
Delta R.T. 0.01 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:244 Resp: 1792

Ion	Ratio	Lower	Upper
244	100		
212	13.3	10.6	16.0
122	15.1	15.4	23.0#

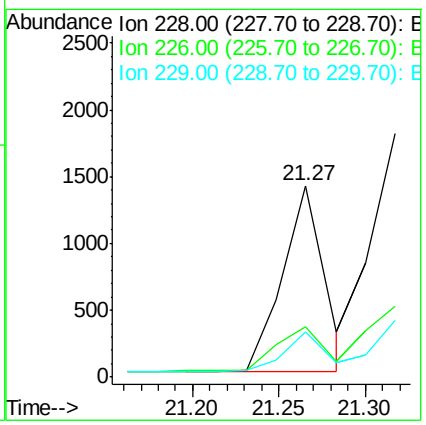


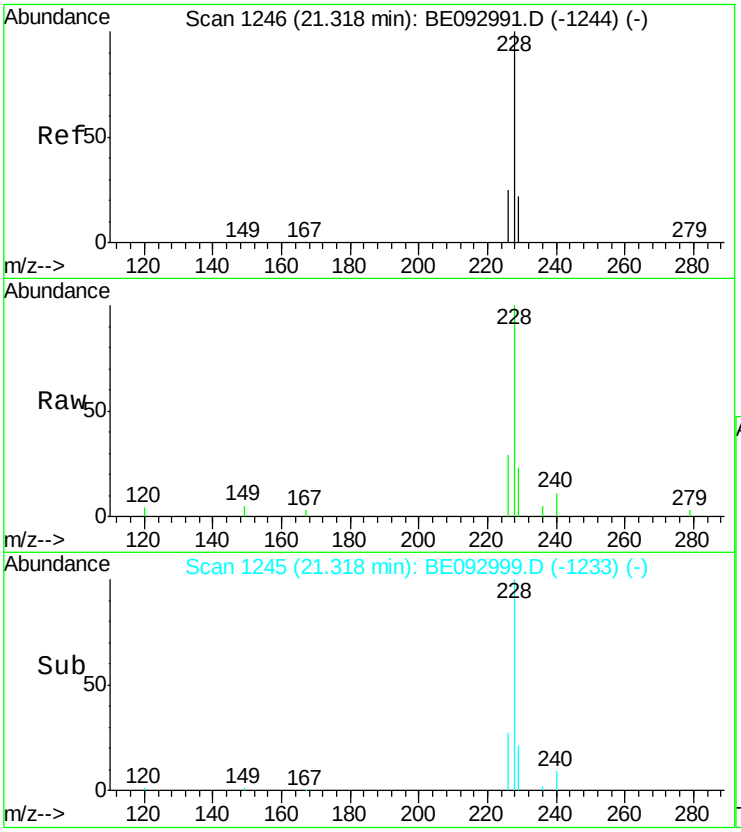


#30
Benzo(a)anthracene
Concen: 0.27 ng
RT: 21.27 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:228 Resp: 2310

Ion	Ratio	Lower	Upper
228	100		
226	26.4	19.7	29.5
229	23.5	19.2	28.8



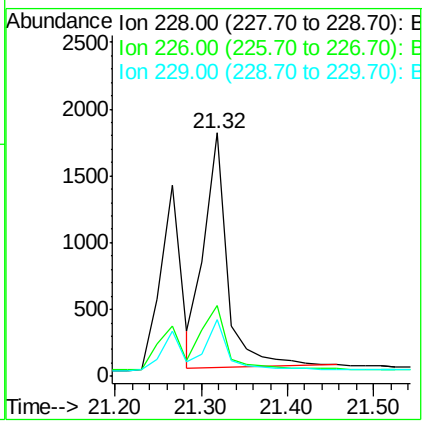


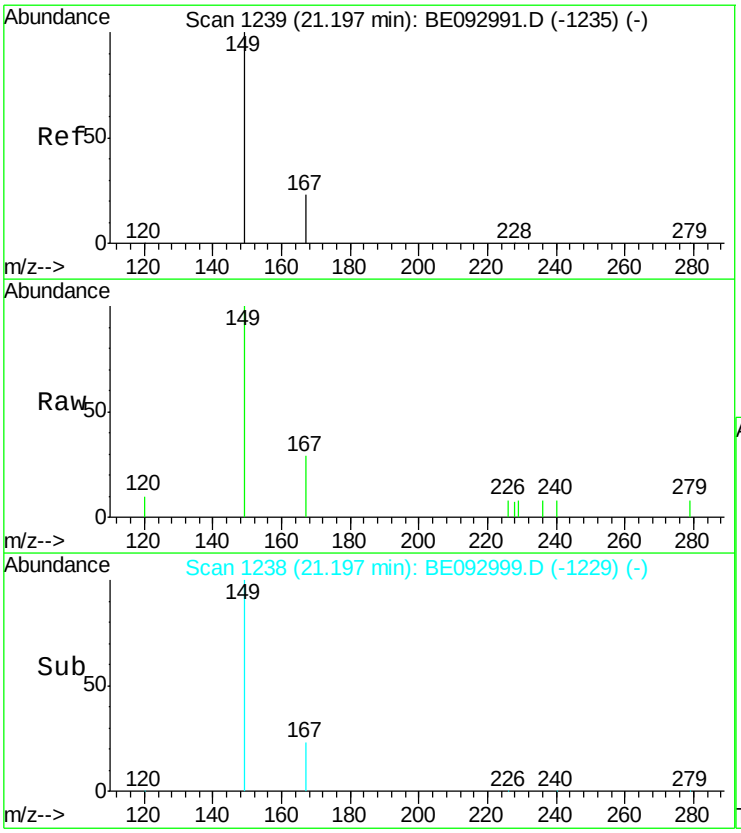
#31
Chrysene
Concen: 0.31 ng
RT: 21.32 min Scan# 1245
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:228 Resp: 3318

Ion	Ratio	Lower	Upper
228	100		
226	29.0	21.5	32.3
229	23.3	18.6	28.0

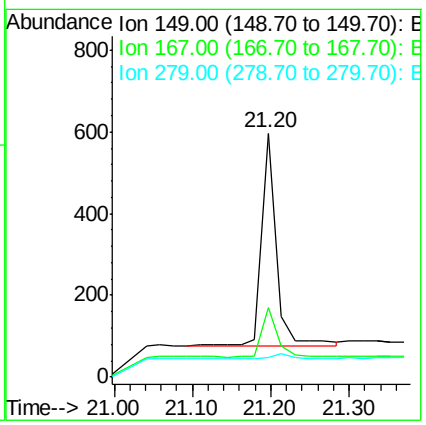


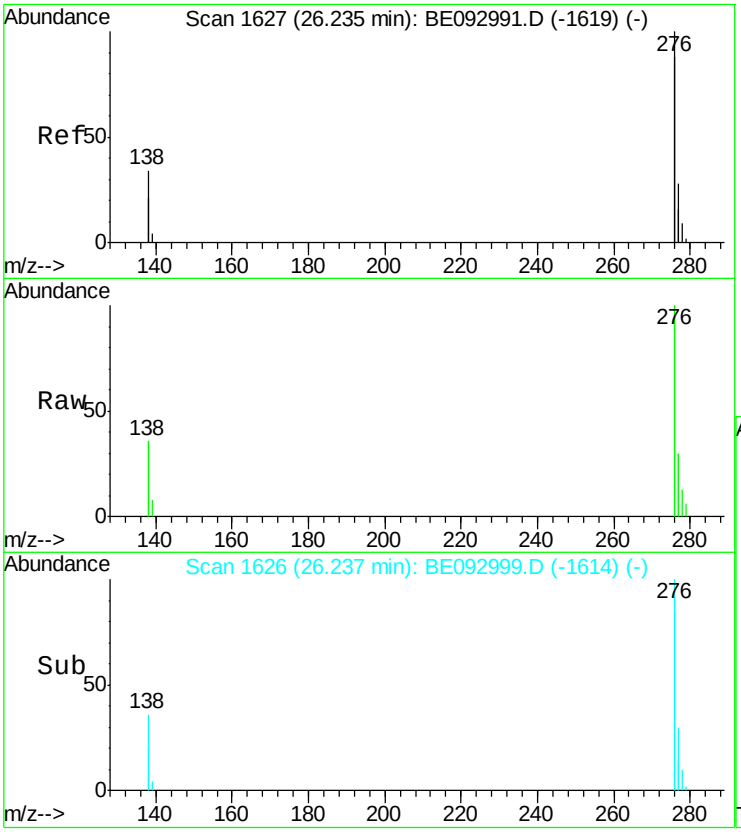


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.26 ng
RT: 21.20 min Scan# 1238
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:149 Resp: 682

Ion	Ratio	Lower	Upper
149	100		
167	25.1	20.1	30.1
279	2.8	2.2	3.4



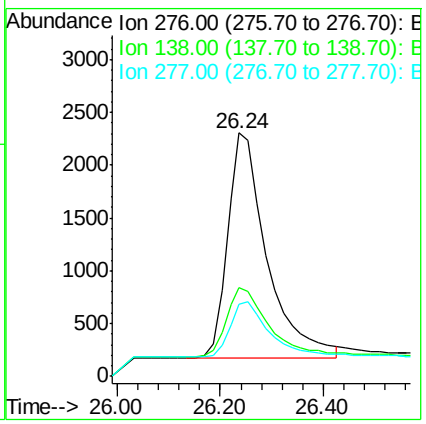


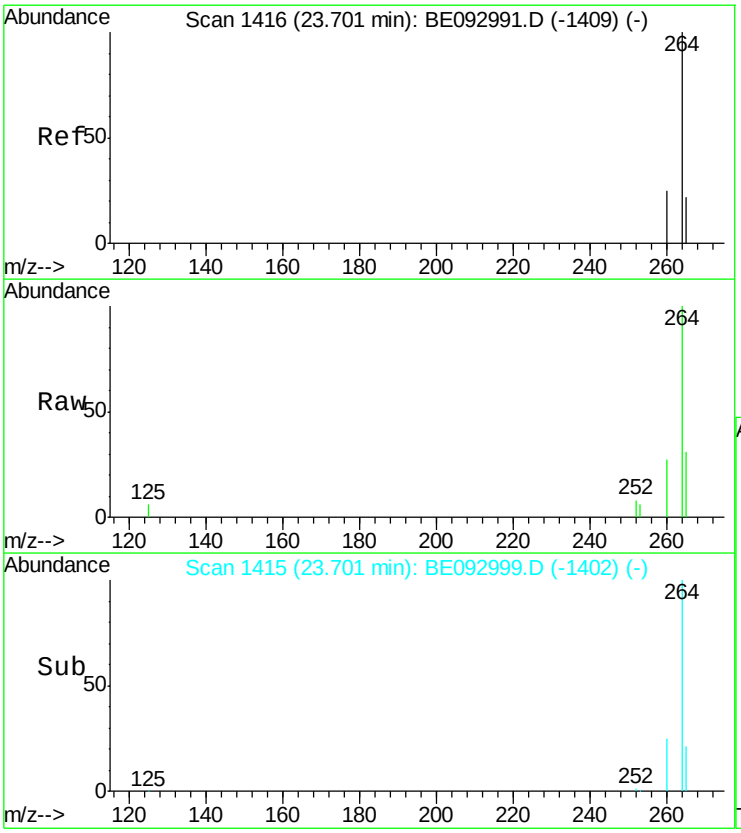
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.33 ng
RT: 26.24 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:276 Resp: 11309

Ion	Ratio	Lower	Upper
276	100		
138	32.7	27.4	41.2
277	24.7	20.1	30.1

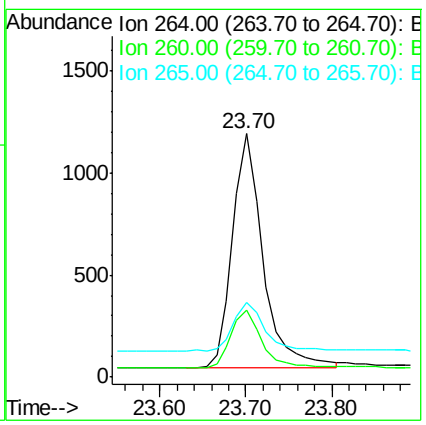


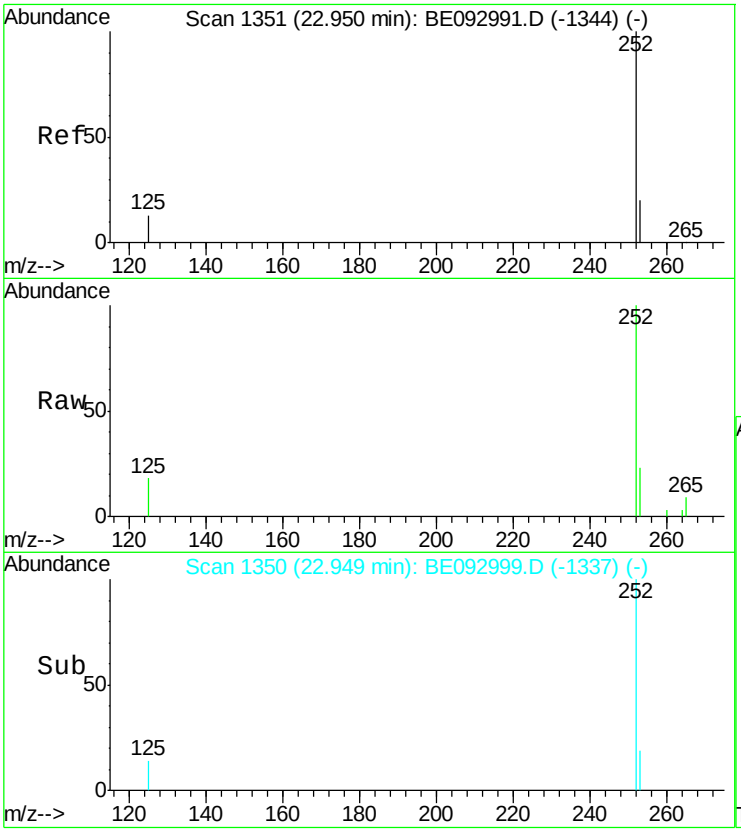


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.70 min Scan# 1415
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:264 Resp: 2845

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.0	31.4
265	30.8	24.6	36.8



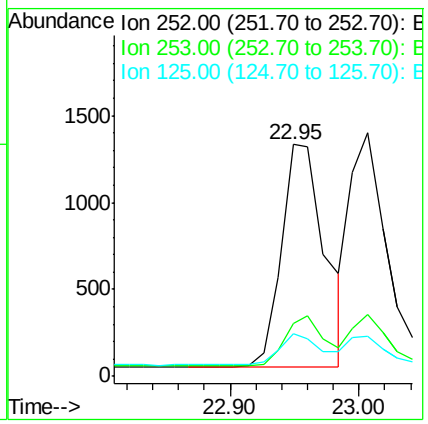


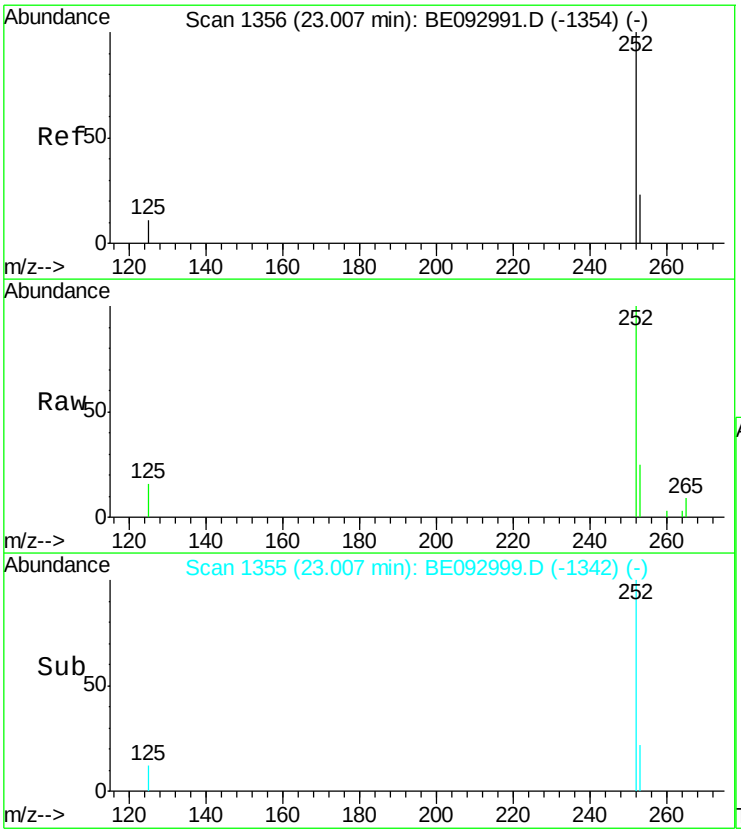
#35
Benzo(b)fluoranthene
Concen: 0.33 ng
RT: 22.95 min Scan# 1350
Delta R.T. -0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:252 Resp: 3007

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.5	27.7
125	18.4	13.4	20.0

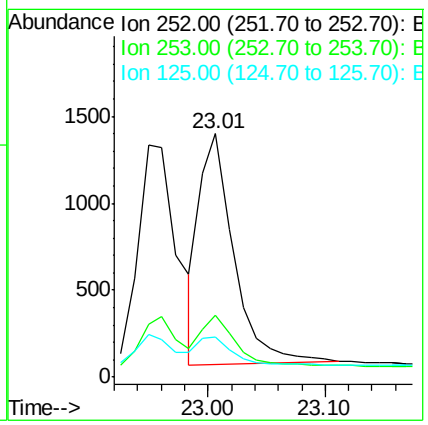


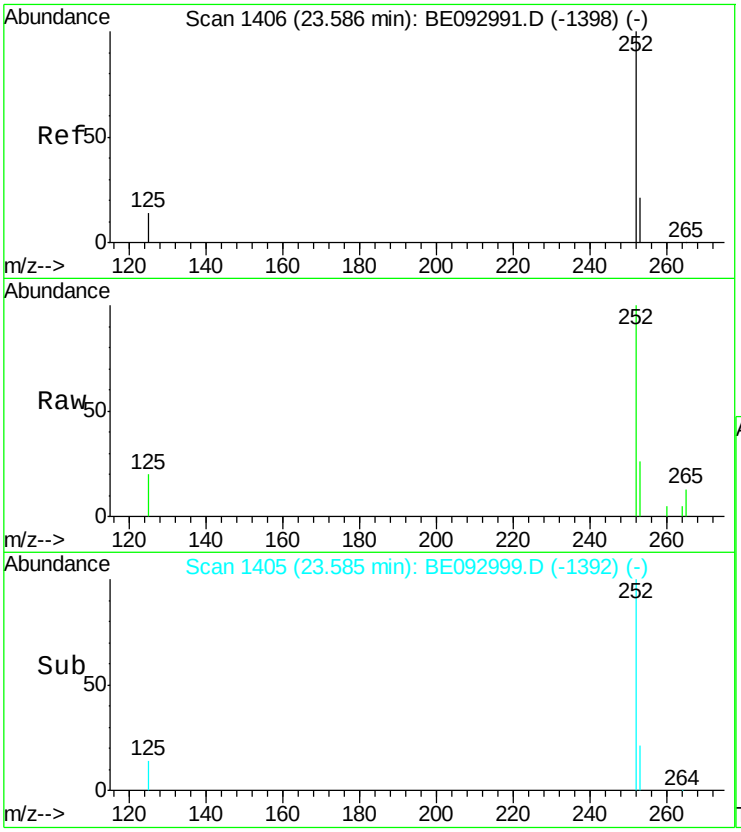


#36
Benzo(k)fluoranthene
Concen: 0.29 ng
RT: 23.01 min Scan# 1355
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:252 Resp: 2688

Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.3	30.5
125	16.3	12.2	18.4



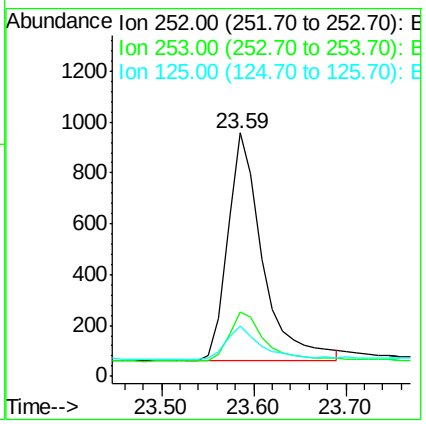


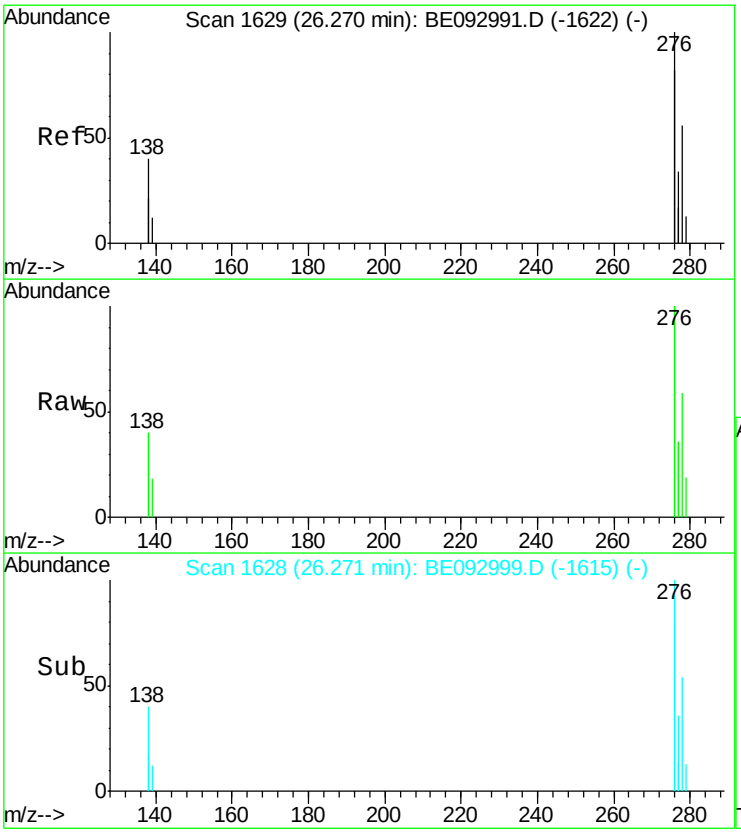
#37
Benzo(a)pyrene
Concen: 0.29 ng
RT: 23.59 min Scan# 1405
Delta R.T. 0.00 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:252 Resp: 2353

Ion	Ratio	Lower	Upper
252	100		
253	26.2	19.9	29.9
125	20.5	14.6	21.8

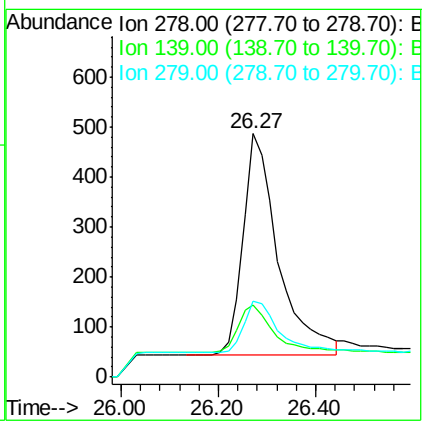


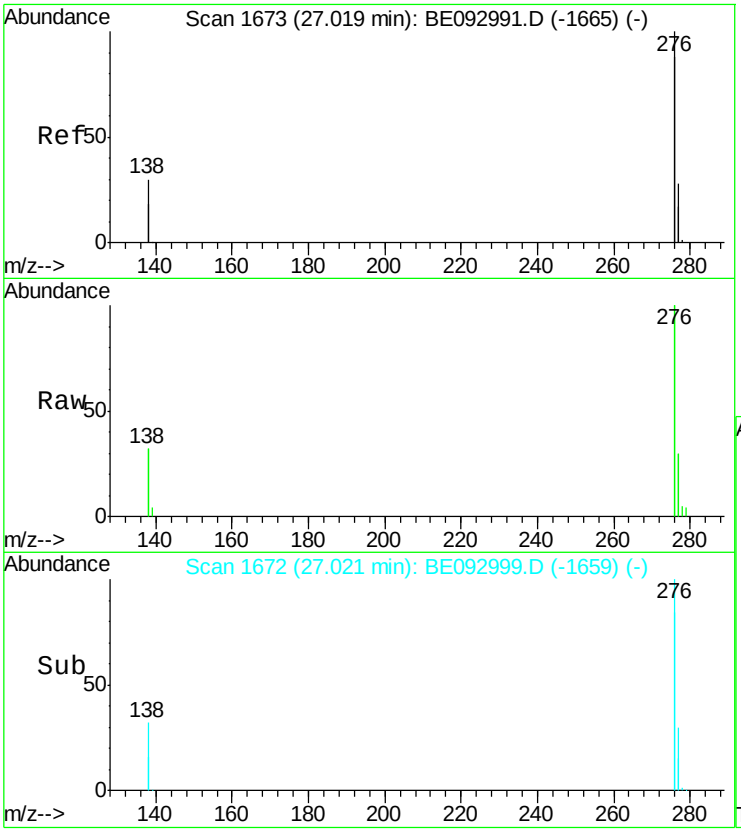


#38
Dibenzo(a,h)anthracene
Concen: 0.31 ng
RT: 26.27 min Scan# 1628
Delta R.T. 0.02 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Tgt Ion:278 Resp: 2247

Ion	Ratio	Lower	Upper
278	100		
139	29.6	21.4	32.0
279	31.2	22.2	33.2





#39
Benzo(g,h,i)perylene
Concen: 0.33 ng
RT: 27.02 min Scan# 1672
Delta R.T. 0.02 min
Lab File: BE092999.D
Acq: 11 May 2017 16:54

Instrument :
BNA_E
ClientSampleId :
PB98857BS

Tgt Ion:276 Resp: 10778

Ion	Ratio	Lower	Upper
276	100		
277	29.5	21.2	31.8
138	31.9	24.5	36.7