Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
Data File : BE094129.D
Acq On : 26 Sep 2017 15:26
Operator : SJ/JU
Sample : PB102616BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB102616BSD

Quant Time: Sep 26 19:21:16 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 17:37:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1630	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	7340	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	4041	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	15315	0.40	ng		0.00
27) Chrysene-d12	21.40	240	15153	0.40	ng		0.00
34) Perylene-d12	23.91	264	14378	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	1598	0.26	ng		0.00
5) Phenol-d6	7.09	99	2119	0.25	ng		0.00
8) Nitrobenzene-d5	9.06	82	1819	0.26	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	3270	0.29	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	464	0.18	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	4108	0.31	ng		0.00
25) Fluoranthene-d10	19.27	212	46086	0.31	ng		0.00
29) Terphenyl-d14	19.85	244	7937	0.29	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	734	0.231	ng	#	1
3) n-Nitrosodimethylamine	3.73	42	1198	0.295	ng	#	80
6) bis(2-Chloroethyl)ether	7.33	93	1641	0.247	ng		84
9) Naphthalene	10.74	128	22355	0.270	ng		100
10) Hexachlorobutadiene	11.02	225	855	0.275	ng		96
12) 2-Methylnaphthalene	12.35	142	3710	0.276	ng		99
16) Acenaphthylene	14.23	152	5563	0.275	ng		100
17) Acenaphthene	14.57	154	3642	0.288	ng		96
18) Fluorene	15.56	166	4771	0.278	ng		97
20) 4-Bromophenyl-phenylether	16.42	248	1750	0.279	ng	#	92
21) Hexachlorobenzene	16.55	284	1260	0.318	ng	#	88
22) Pentachlorophenol	16.91	266	1443	0.397	ng	#	73
23) Phenanthrene	17.27	178	11994	0.306	ng		99
24) Anthracene	17.37	178	11755	0.286	ng		98
26) Fluoranthene	19.30	202	12888	0.294	ng		100
28) Pyrene	19.66	202	13514	0.281	ng		99
30) Benzo(a)anthracene	21.38	228	14225	0.279	ng		98
31) Chrysene	21.44	228	13489	0.274	ng		98
32) Bis(2-ethylhexyl)phthalate	21.29	149	42132	0.073	ng		100
33) Indeno(1,2,3-cd)pyrene	26.56	276	13998	0.266	ng		99
35) Benzo(b)fluoranthene	23.14	252	13333	0.257	ng		95
36) Benzo(k)fluoranthene	23.19	252	13386	0.269	ng		95
37) Benzo(a)pyrene	23.80	252	12991	0.277	ng	#	93
38) Dibenzo(a,h)anthracene	26.57	278	11724	0.264	ng		96
39) Benzo(g,h,i)perylene	27.38	276	11788	0.268	ng		100

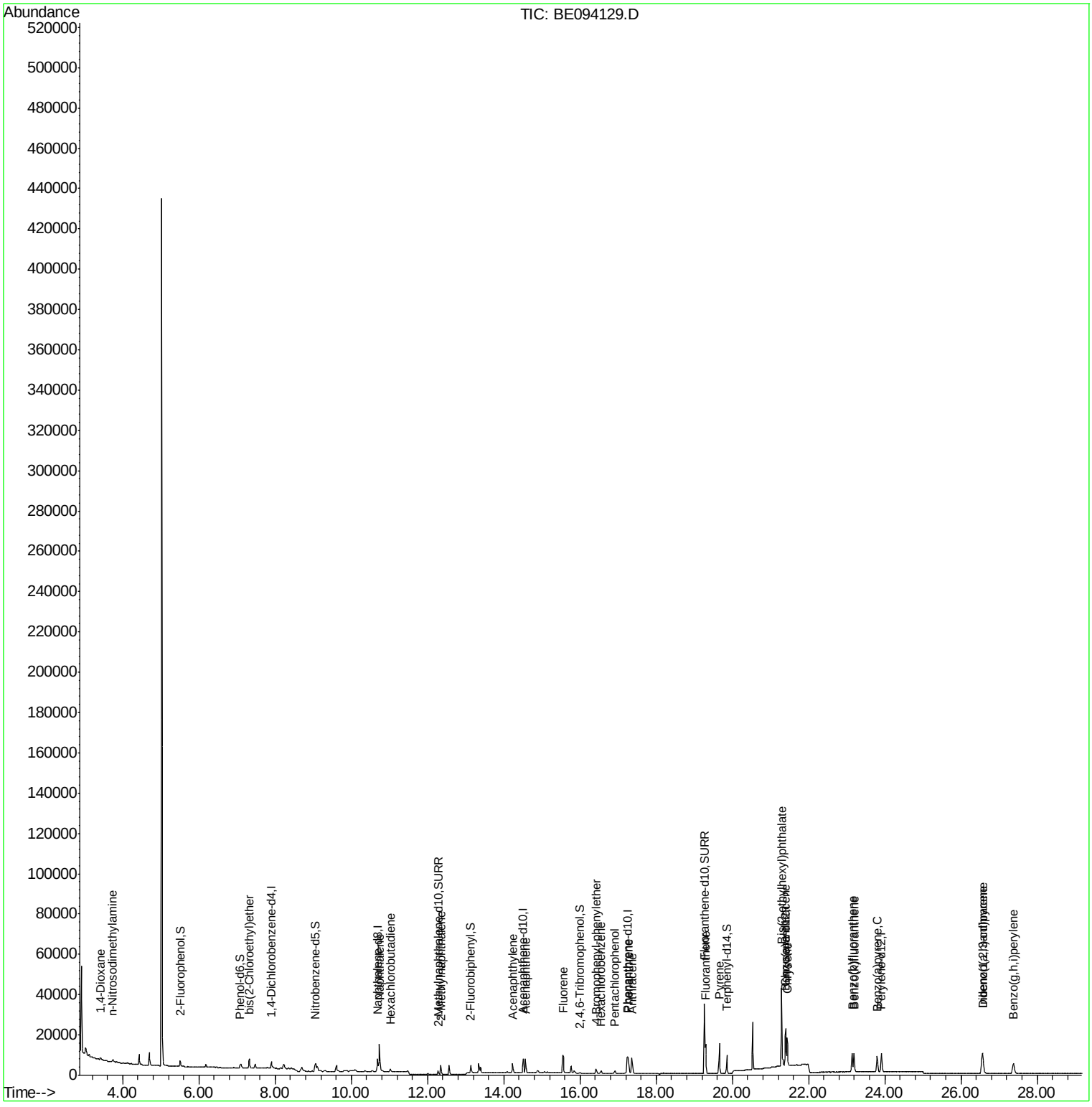
(#) = qualifier out of range (m) = manual integration (+) = signals summed

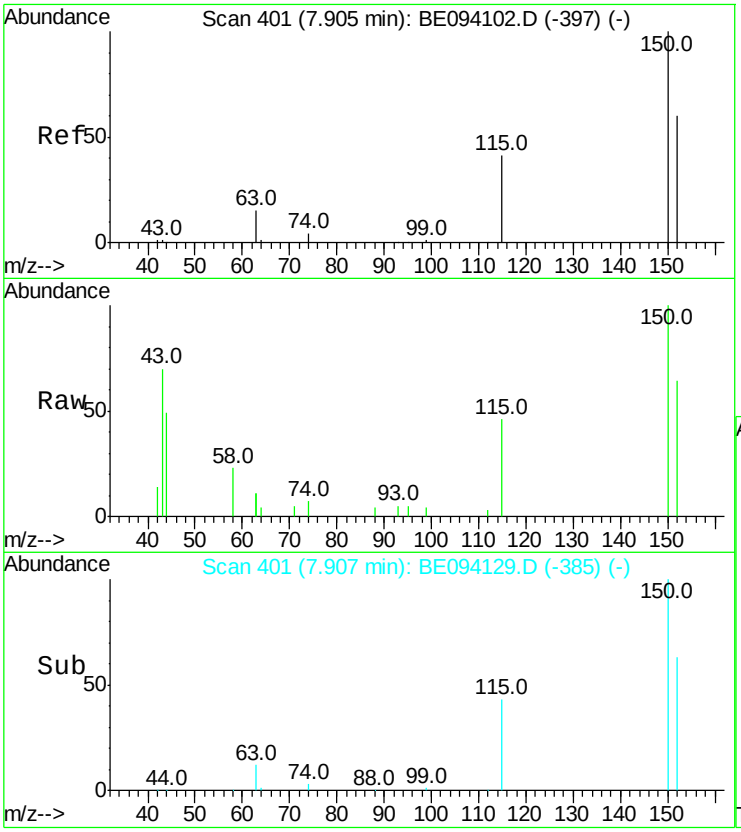
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092617\
Data File : BE094129.D
Acq On : 26 Sep 2017 15:26
Operator : SJ/JU
Sample : PB102616BSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Quant Time: Sep 26 19:21:16 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 17:37:08 2017
Response via : Initial Calibration



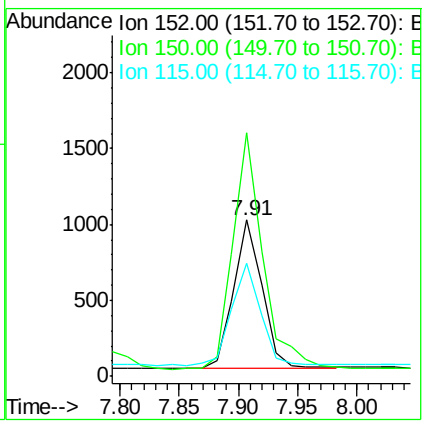


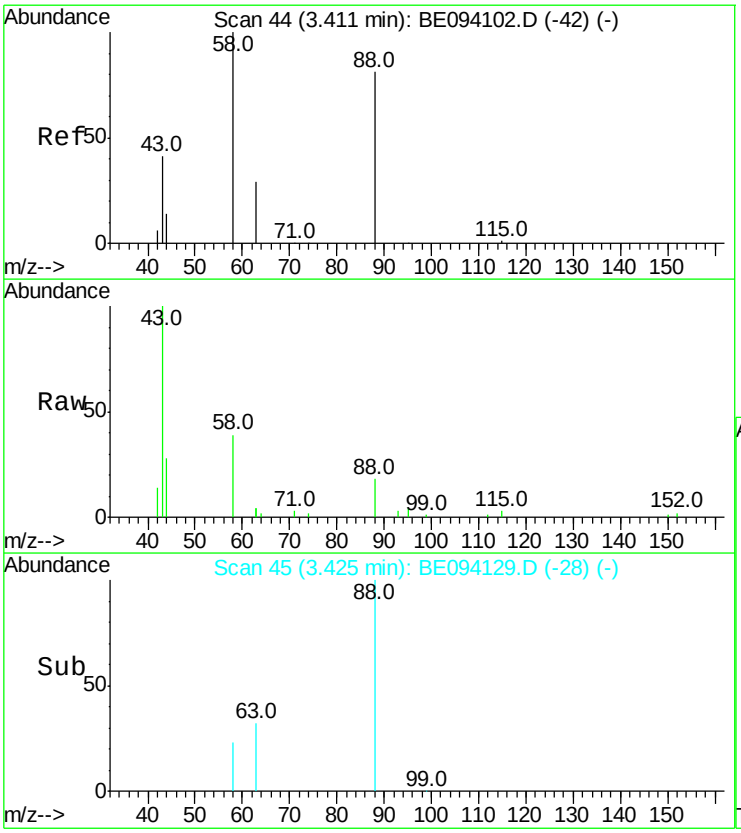
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:152 Resp: 1630

Ion	Ratio	Lower	Upper
152	100		
150	155.9	117.2	175.8
115	72.0	57.0	85.6

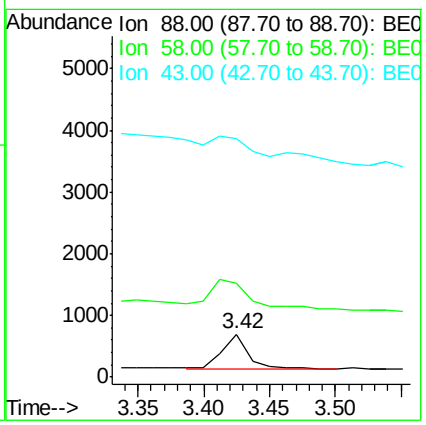


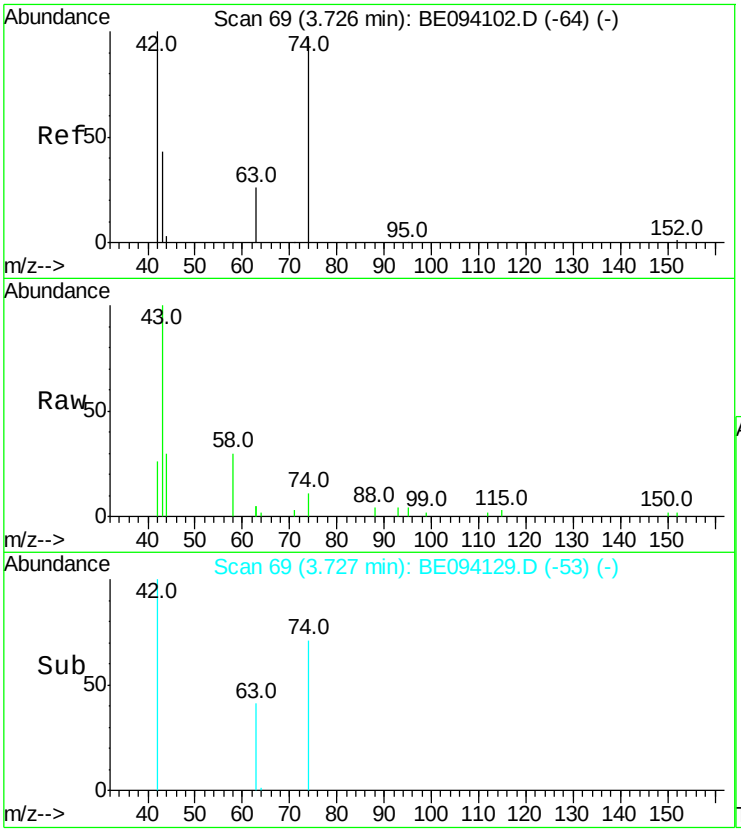


#2
1,4-Dioxane
Concen: 0.231 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion: 88 Resp: 734

Ion	Ratio	Lower	Upper
88	100		
58	192.9	63.2	94.8#
43	0.0	41.2	61.8#



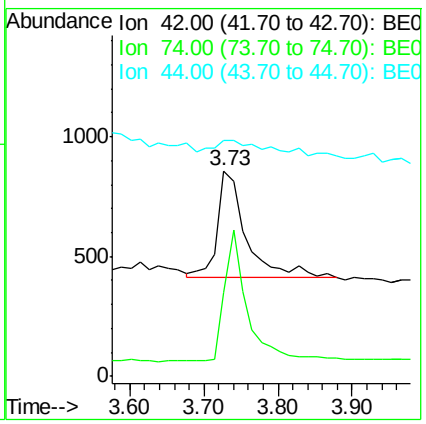


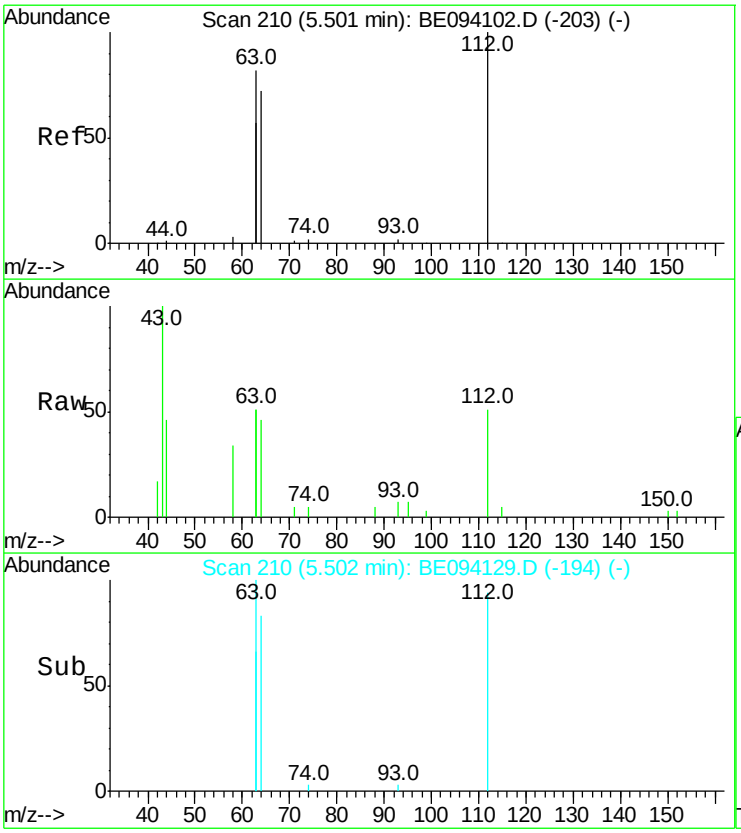
#3
n-Nitrosodimethylamine
Concen: 0.295 ng
RT: 3.73 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion: 42 Resp: 1198

Ion	Ratio	Lower	Upper
42	100		
74	99.6	100.3	150.5#
44	24.5	17.0	25.4

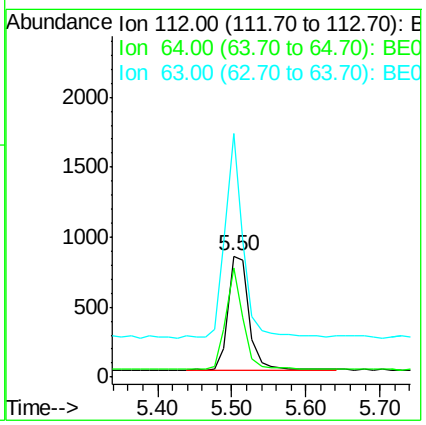


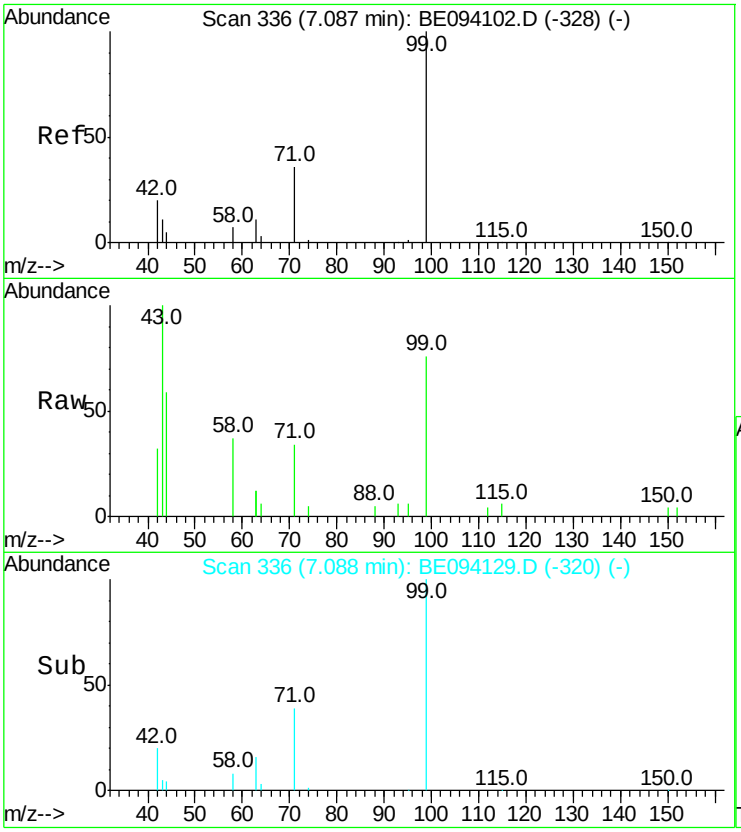


#4
2-Fluorophenol
Concen: 0.259 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:112 Resp: 1598

Ion	Ratio	Lower	Upper
112	100		
64	72.0	60.1	90.1
63	158.8	116.8	175.2



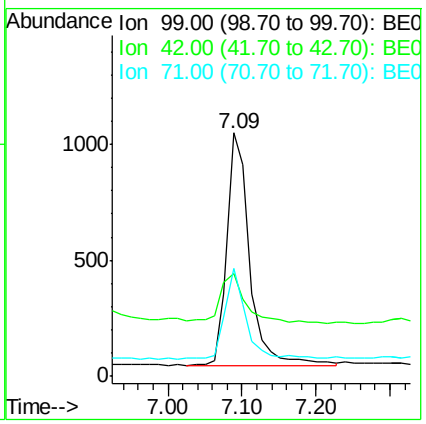


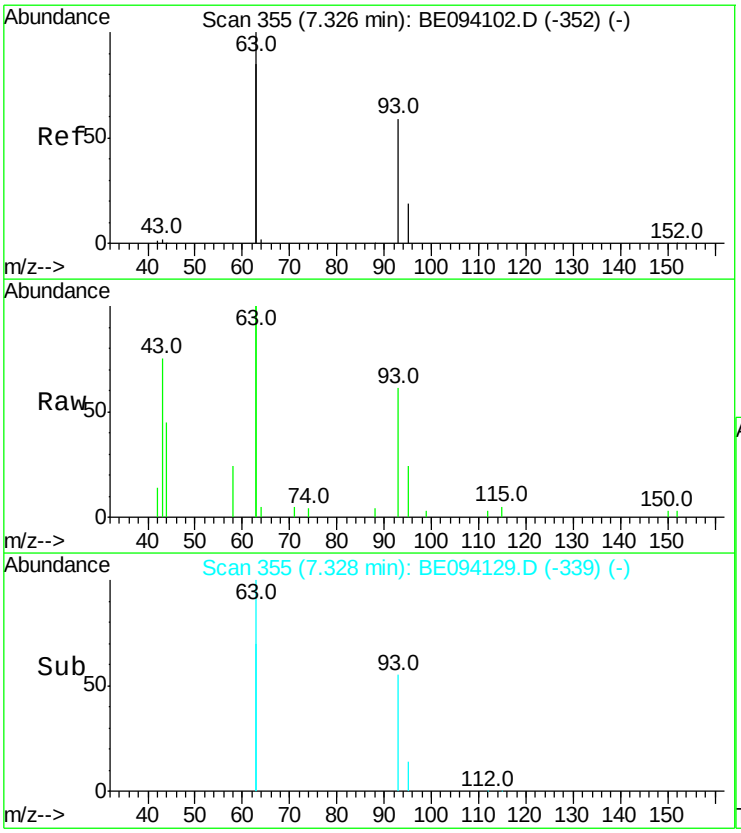
#5
Phenol-d6
Concen: 0.247 ng
RT: 7.09 min Scan# 336
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion: 99 Resp: 2119

Ion	Ratio	Lower	Upper
99	100		
42	26.0	20.2	30.2
71	36.0	28.4	42.6

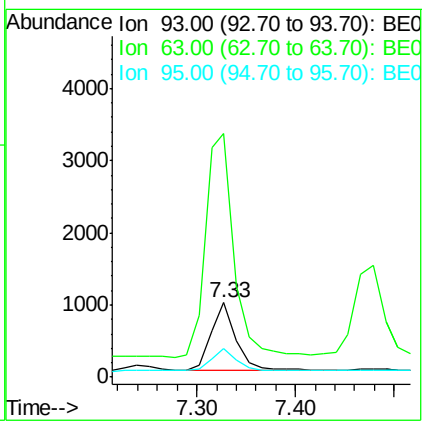


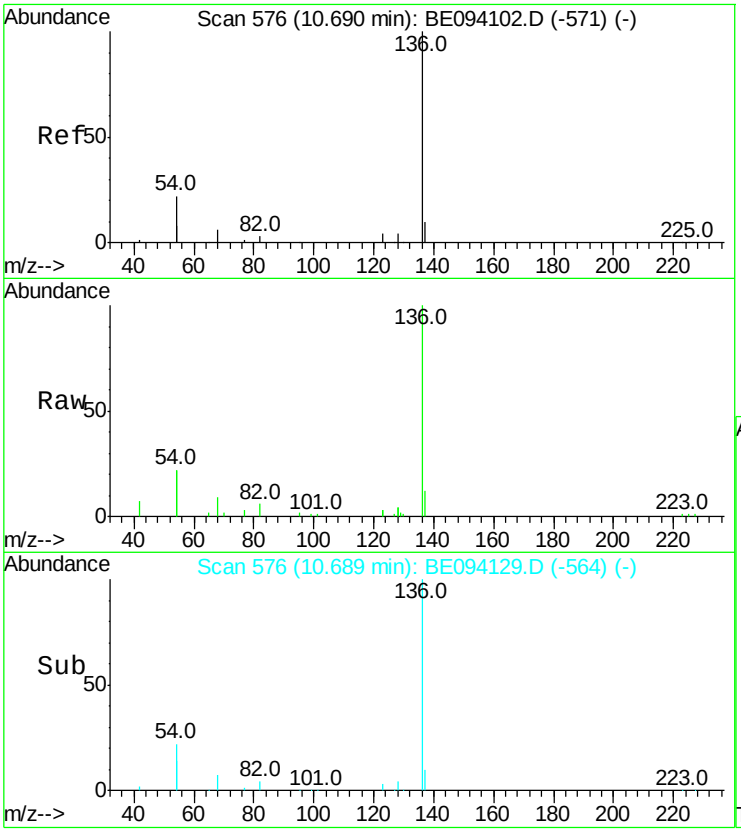


#6
bis(2-Chloroethyl)ether
Concen: 0.247 ng
RT: 7.33 min Scan# 355
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion: 93 Resp: 1641

Ion	Ratio	Lower	Upper
93	100		
63	380.3	275.3	412.9
95	34.1	25.2	37.8



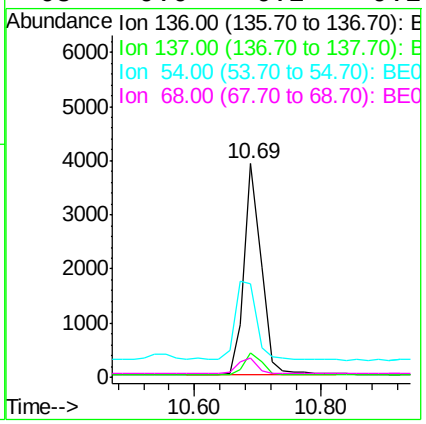


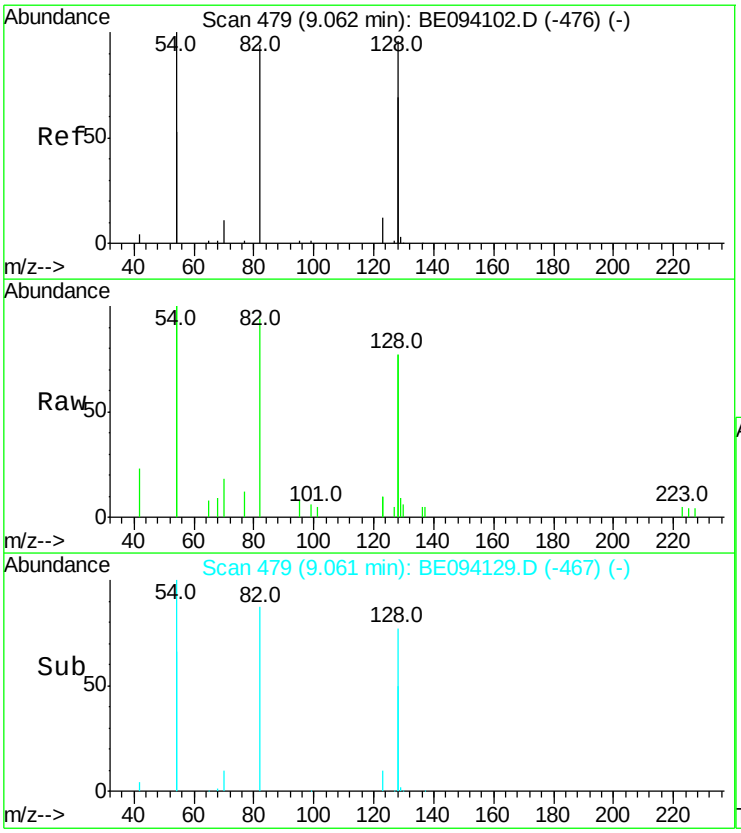
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:136 Resp: 7340

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.5	14.3
54	43.9	29.1	43.7#
68	9.0	6.2	9.2

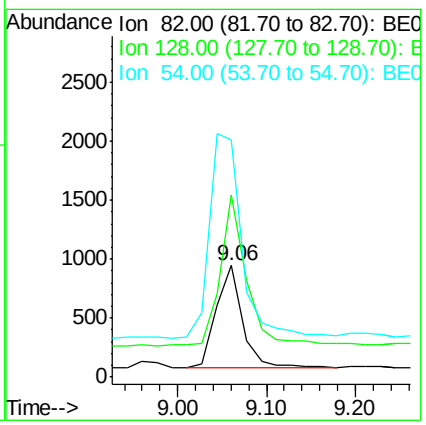


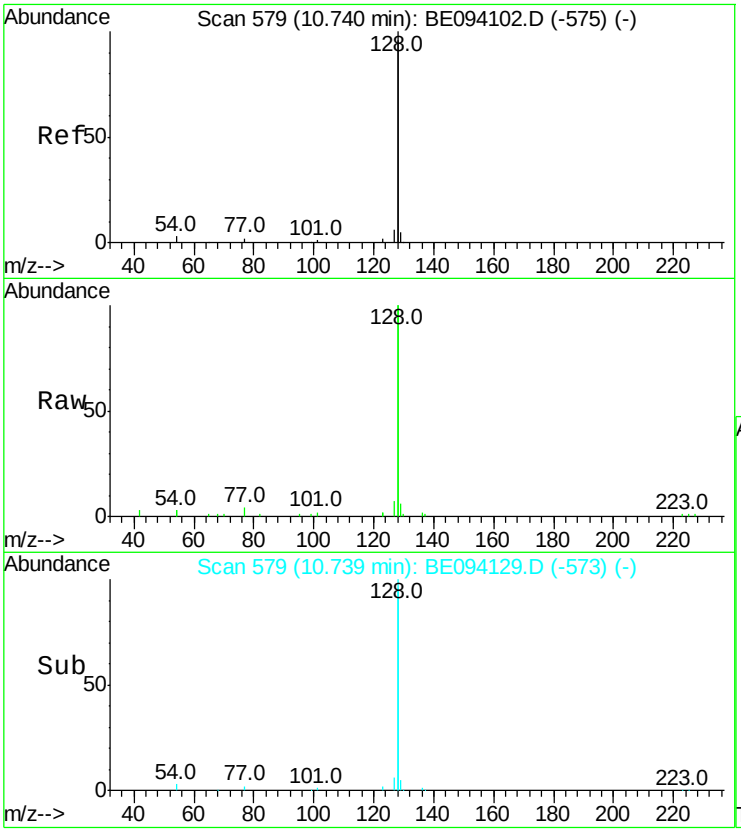


#8
Nitrobenzene-d5
Concen: 0.256 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion: 82 Resp: 1819

Ion	Ratio	Lower	Upper
82	100		
128	163.0	150.0	225.0
54	212.3	154.2	231.4



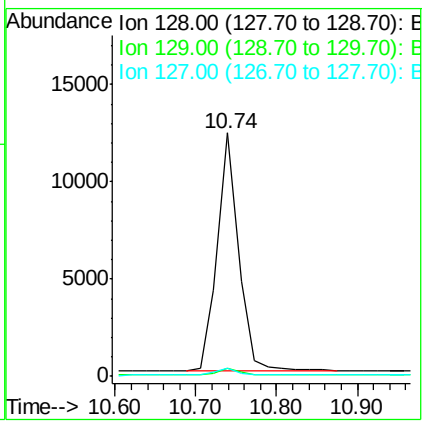


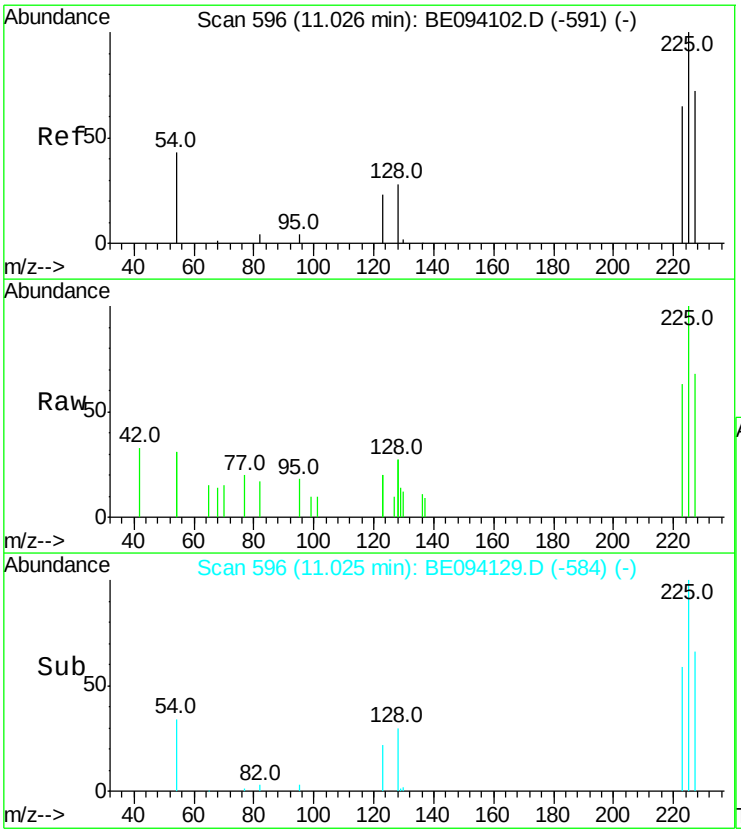
#9
Naphthalene
Concen: 0.270 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:128 Resp: 22355

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.5	2.8	4.2

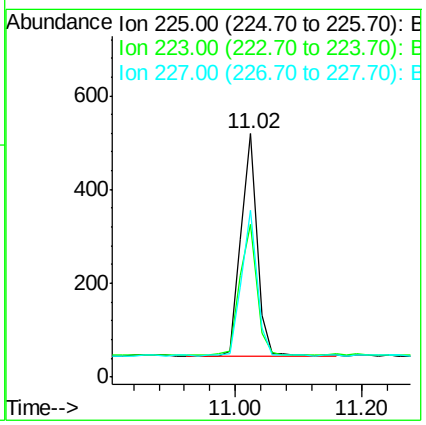


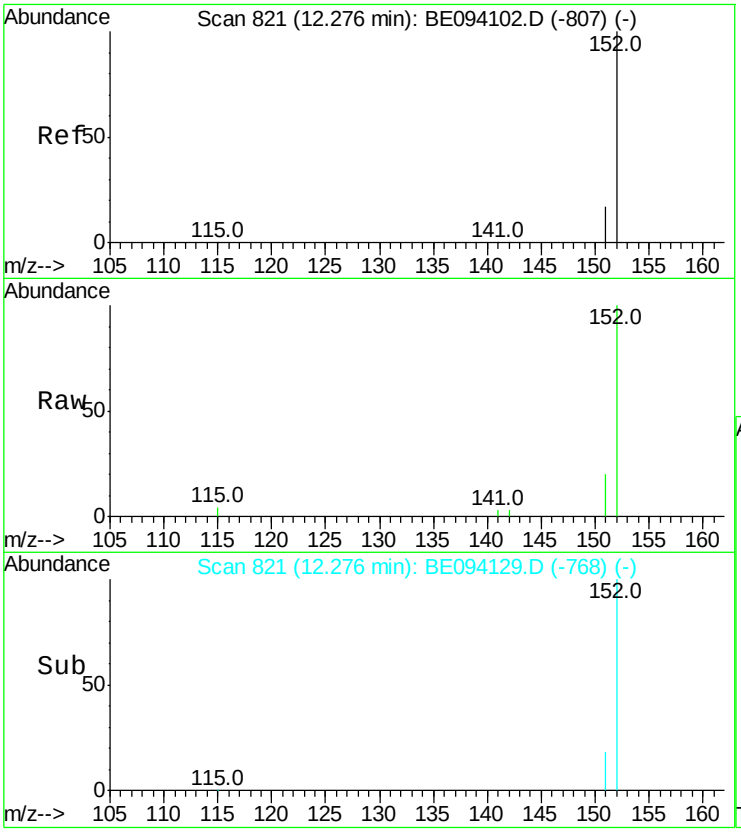


#10
Hexachlorobutadiene
Concen: 0.275 ng
RT: 11.02 min Scan# 596
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:225 Resp: 855

Ion	Ratio	Lower	Upper
225	100		
223	61.5	53.0	79.6
227	62.8	51.4	77.2



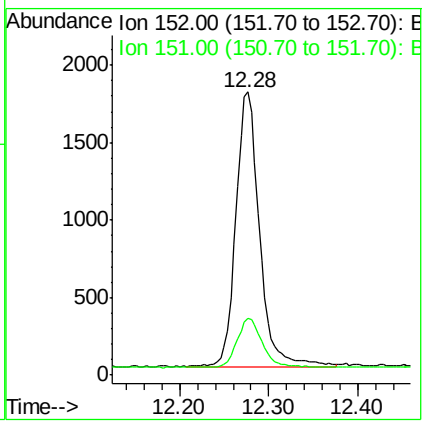


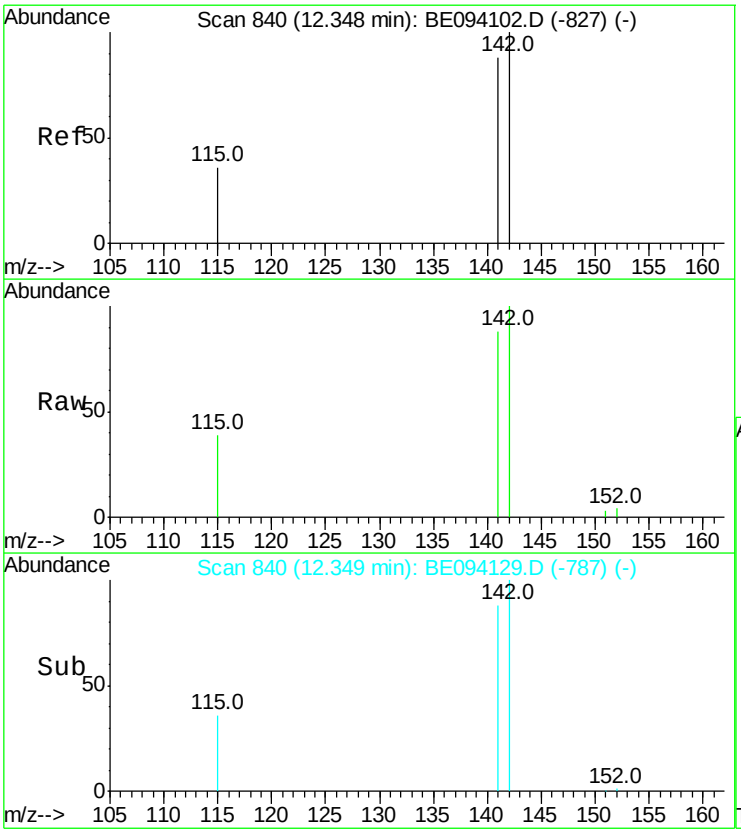
#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.28 min Scan# 821
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:152 Resp: 3270

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.4	23.0

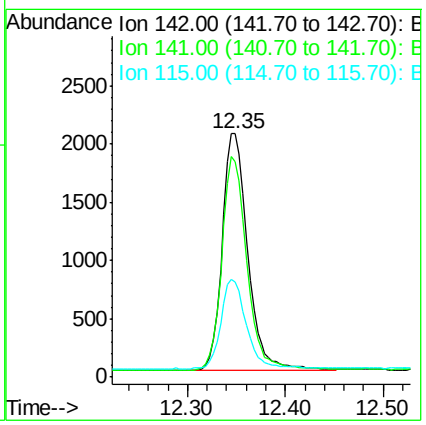


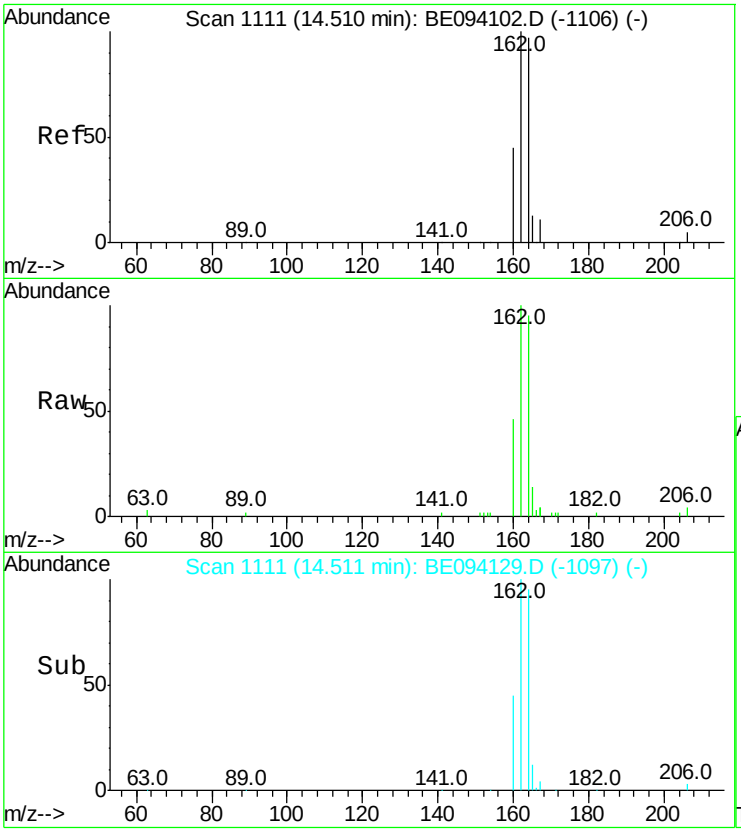


#12
2-Methylnaphthalene
Concen: 0.276 ng
RT: 12.35 min Scan# 840
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:142 Resp: 3710

Ion	Ratio	Lower	Upper
142	100		
141	88.4	70.4	105.6
115	38.9	31.7	47.5



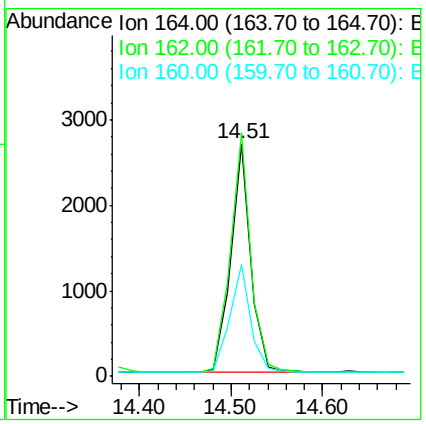


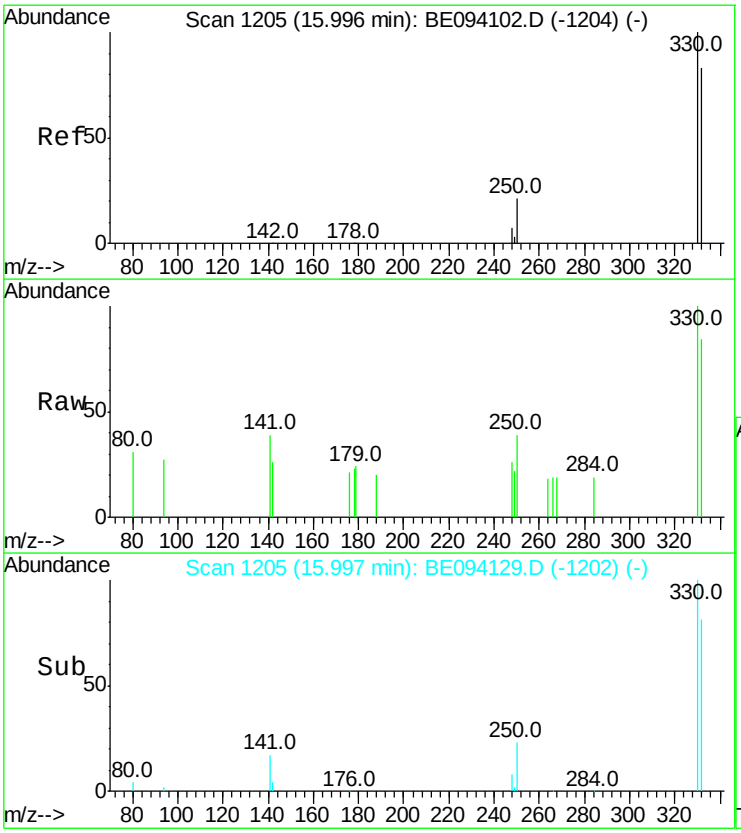
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:164 Resp: 4041

Ion	Ratio	Lower	Upper
164	100		
162	104.8	83.1	124.7
160	48.2	37.1	55.7

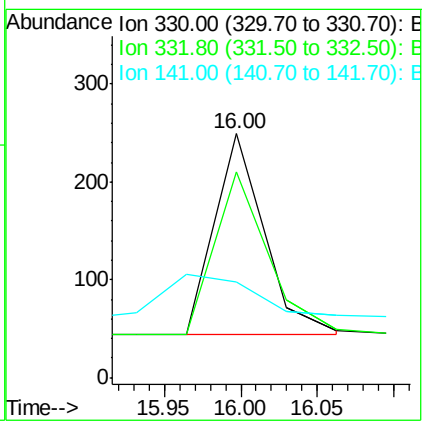


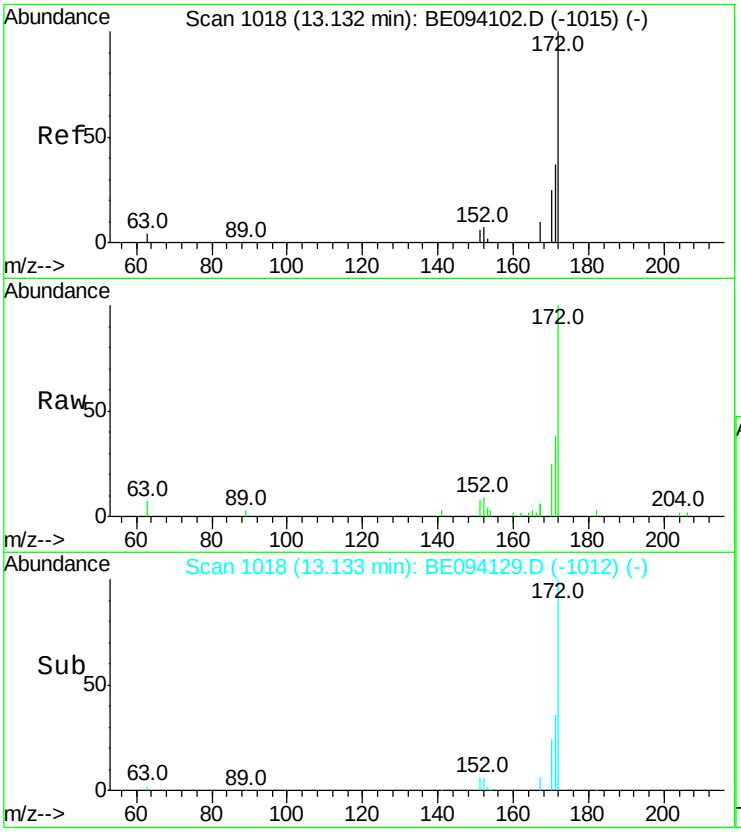


#14
2,4,6-Tribromophenol
Concen: 0.179 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:330 Resp: 464

Ion	Ratio	Lower	Upper
330	100		
332	86.9	152.7	229.1#
141	0.0	33.7	50.5#



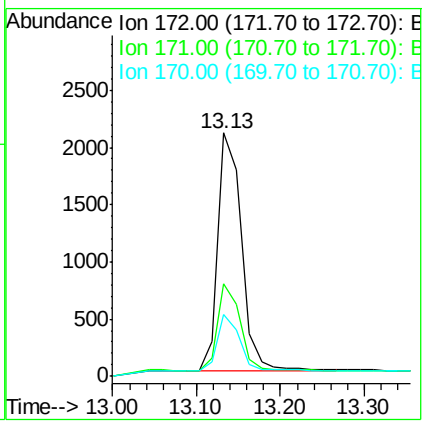


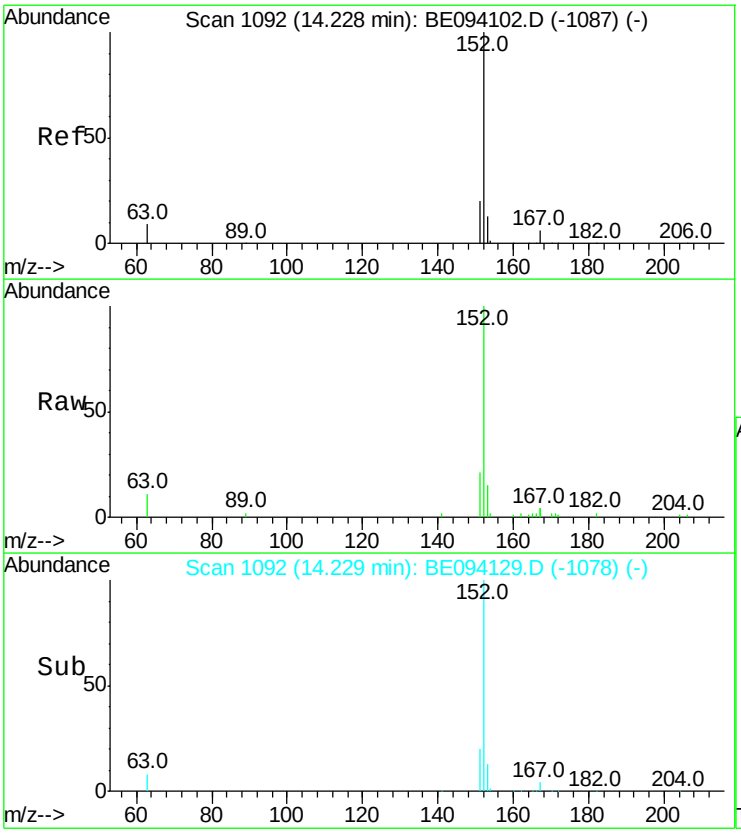
#15
2-Fluorobiphenyl
Concen: 0.308 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:172 Resp: 4108

Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.9	44.9
170	25.4	21.8	32.8

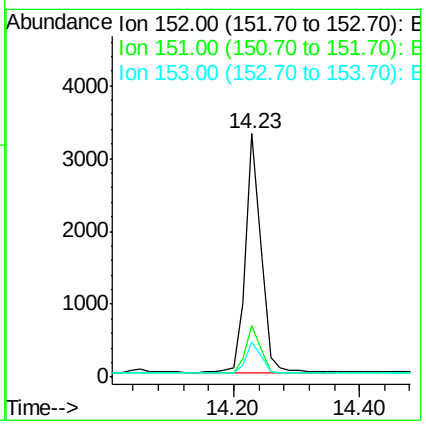


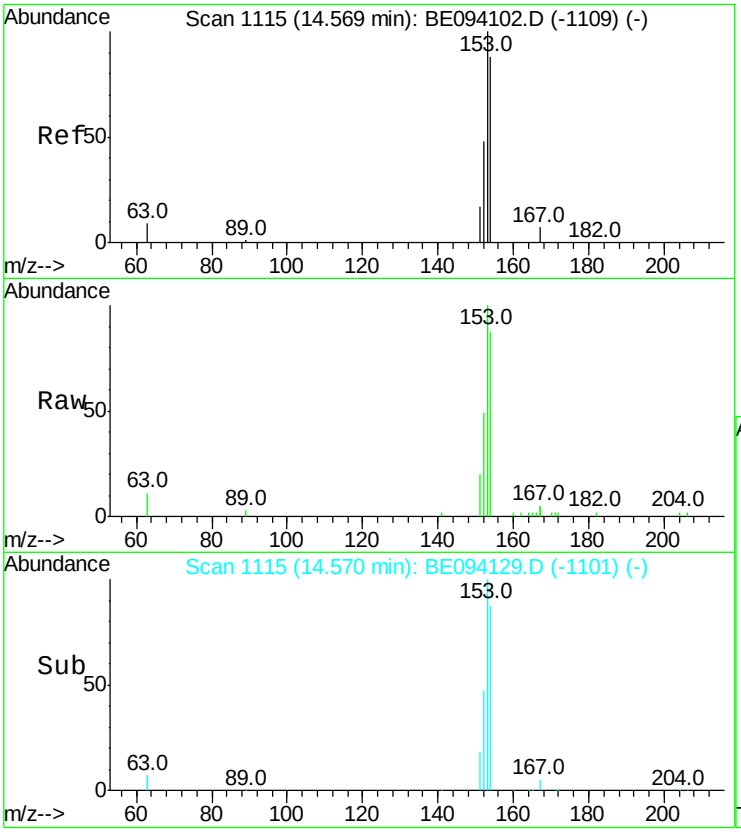


#16
Acenaphthylene
Concen: 0.275 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:152 Resp: 5563

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.5	15.7



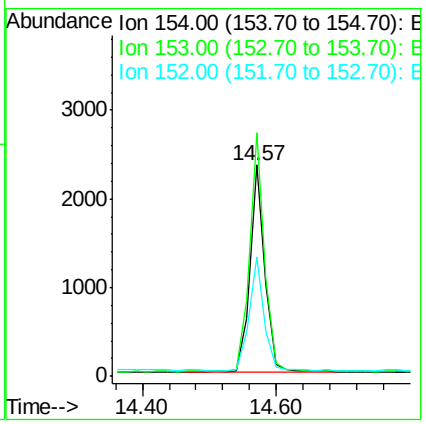


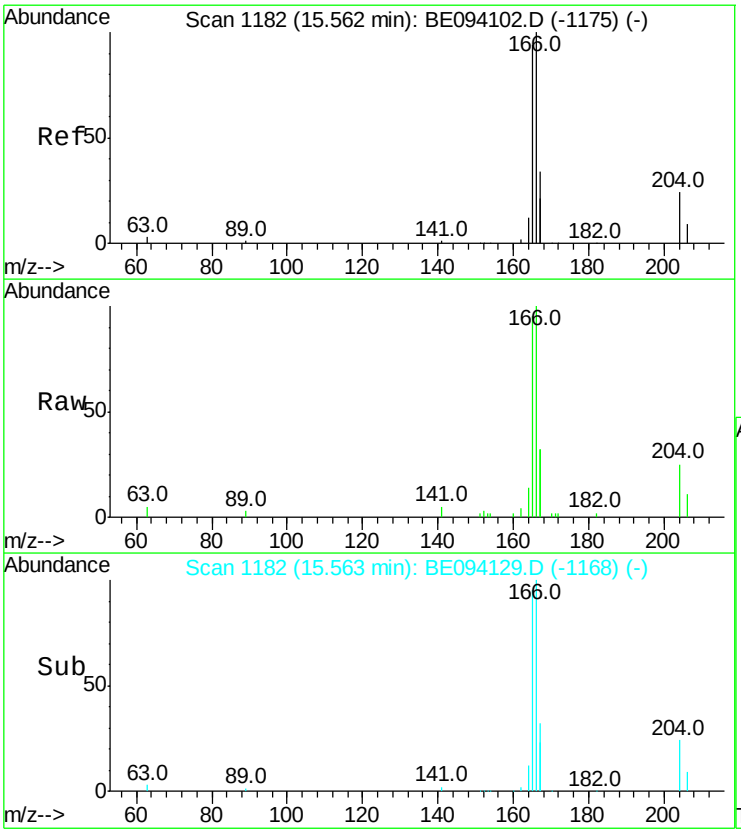
#17
Acenaphthene
Concen: 0.288 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:154 Resp: 3642

Ion	Ratio	Lower	Upper
154	100		
153	115.9	89.2	133.8
152	54.8	42.0	63.0

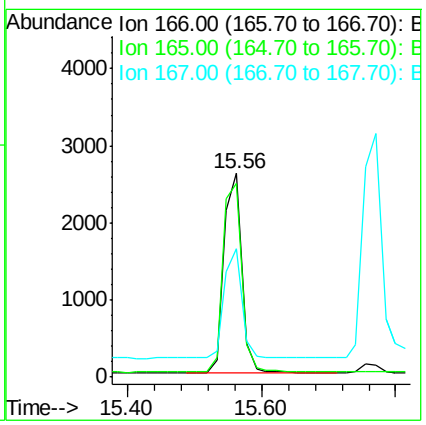


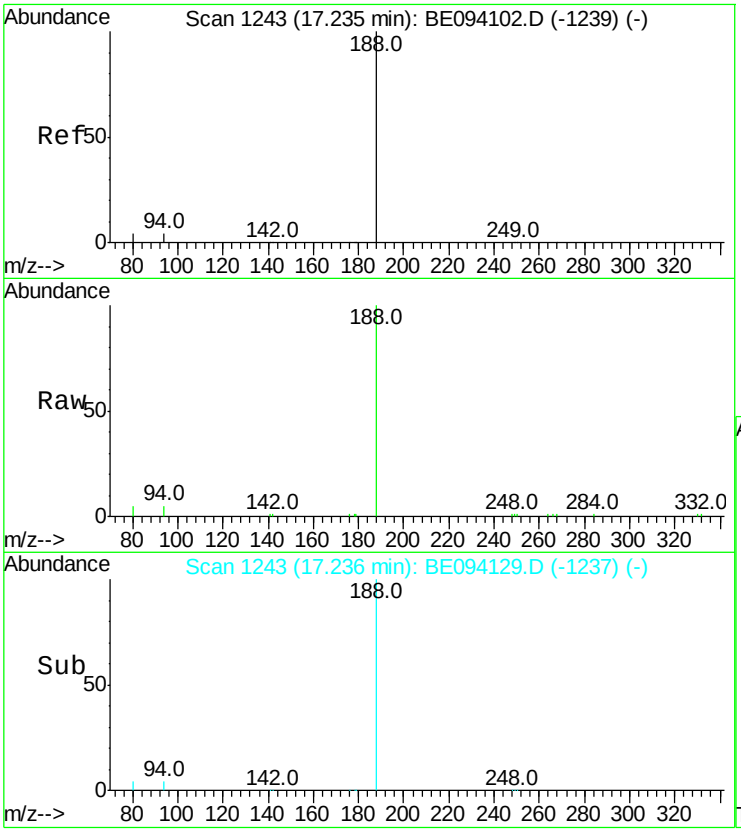


#18
Fluorene
Concen: 0.278 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:166 Resp: 4771

Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.8	116.6
167	55.7	42.4	63.6



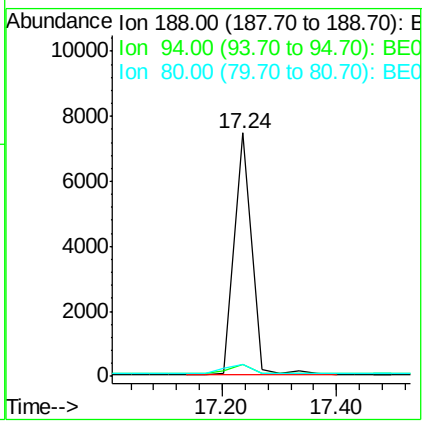


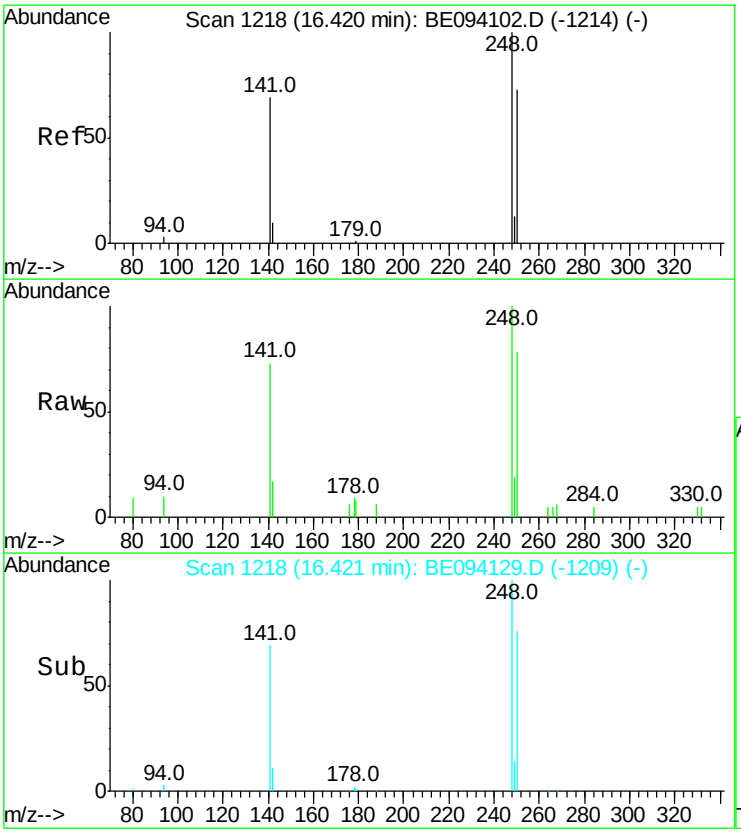
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:188 Resp: 15315

Ion	Ratio	Lower	Upper
188	100		
94	5.2	3.9	5.9
80	4.9	3.6	5.4

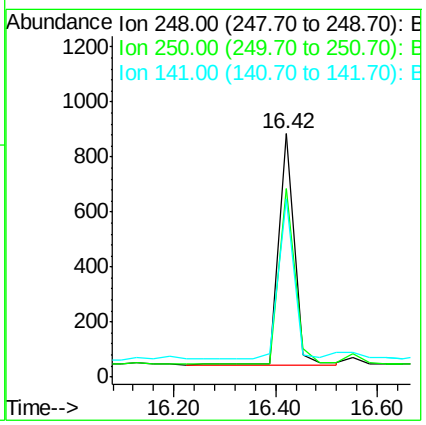


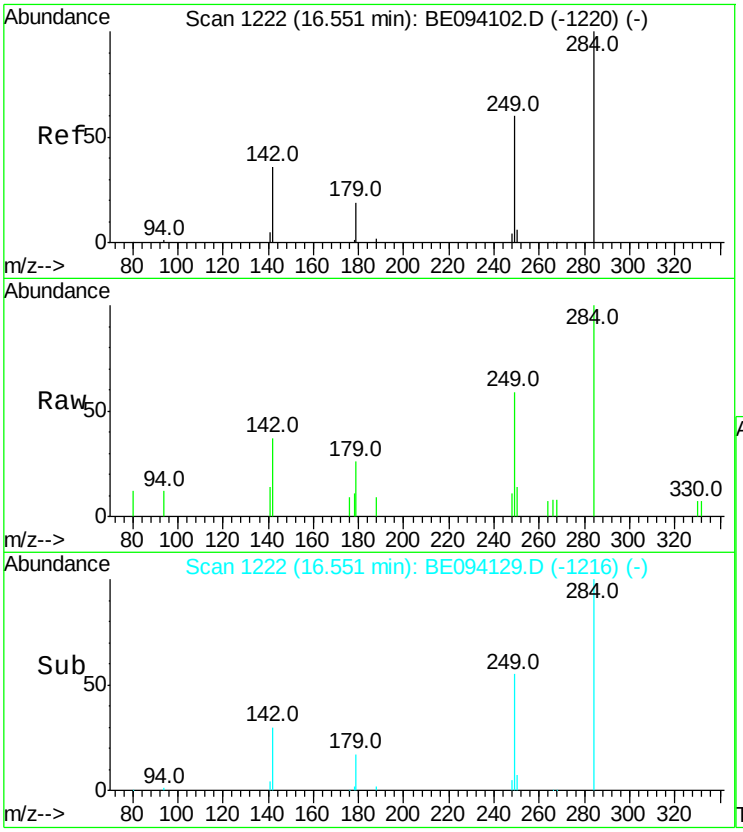


#20
4-Bromophenyl-phenylether
Concen: 0.279 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:248 Resp: 1750

Ion	Ratio	Lower	Upper
248	100		
250	77.6	62.7	94.1
141	73.1	48.2	72.2#



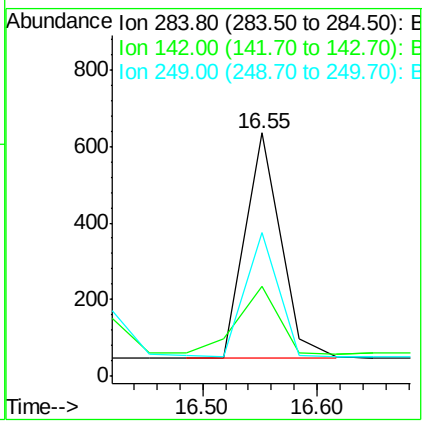


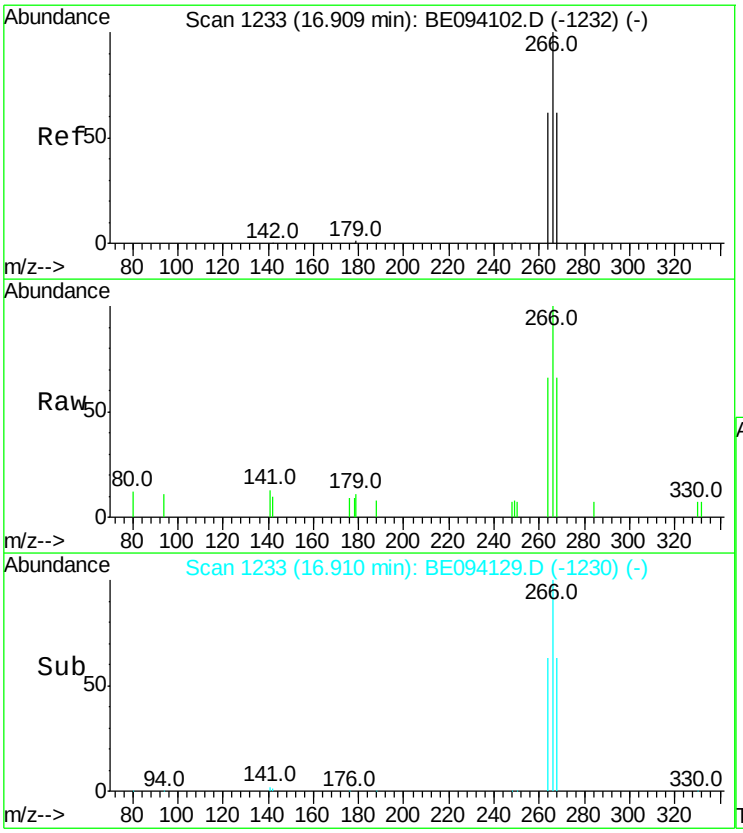
#21
Hexachlorobenzene
Concen: 0.318 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:284 Resp: 1260

Ion	Ratio	Lower	Upper
284	100		
142	33.5	22.1	33.1#
249	51.0	34.8	52.2

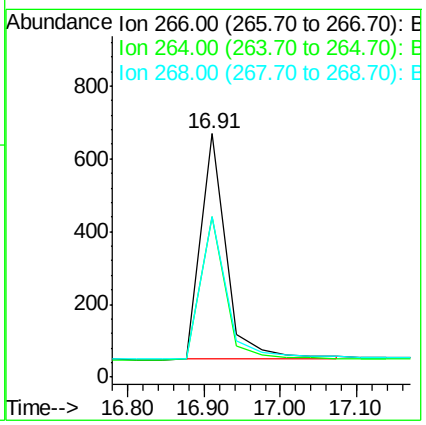


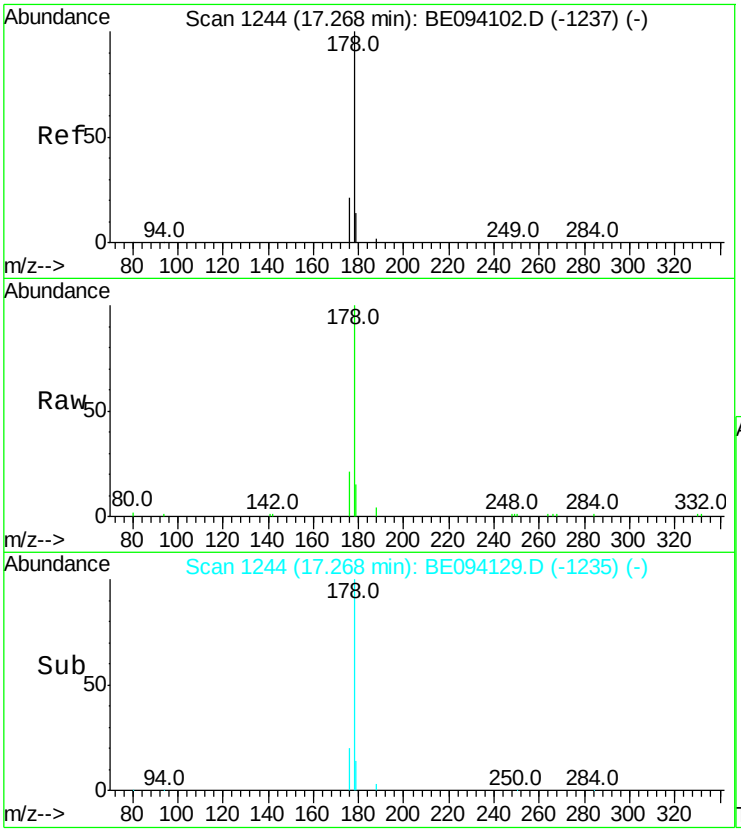


#22
Pentachlorophenol
Concen: 0.397 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:266 Resp: 1443

Ion	Ratio	Lower	Upper
266	100		
264	65.8	72.5	108.7#
268	65.9	73.8	110.6#



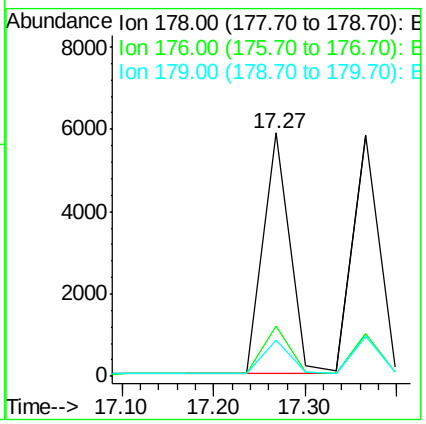


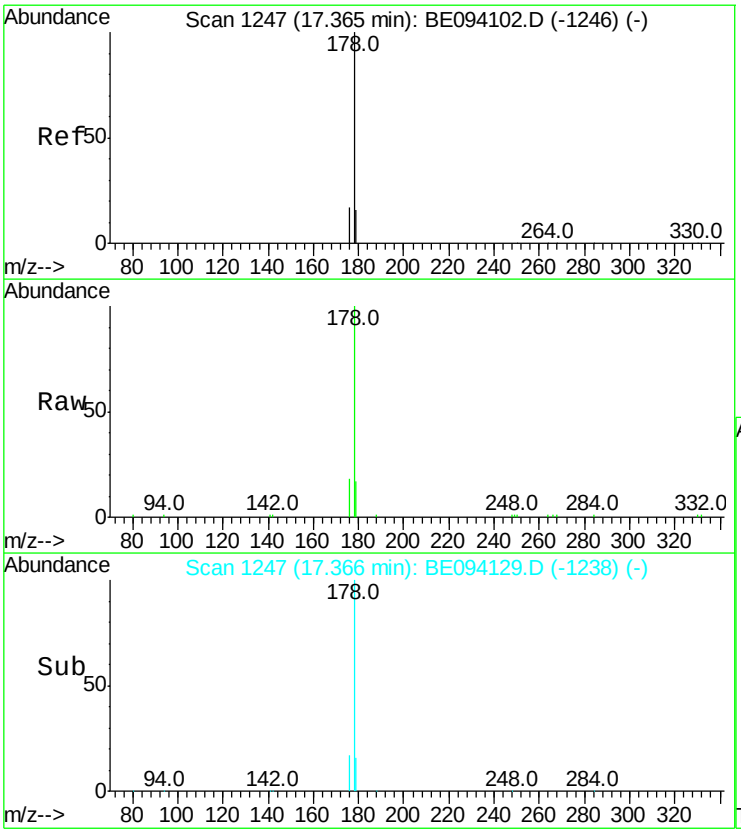
#23
Phenanthrene
Concen: 0.306 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:178 Resp: 11994

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	14.8	11.8	17.6

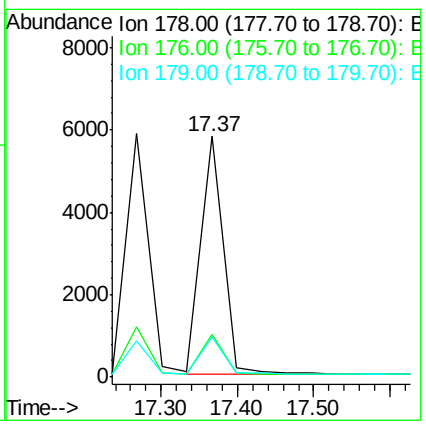


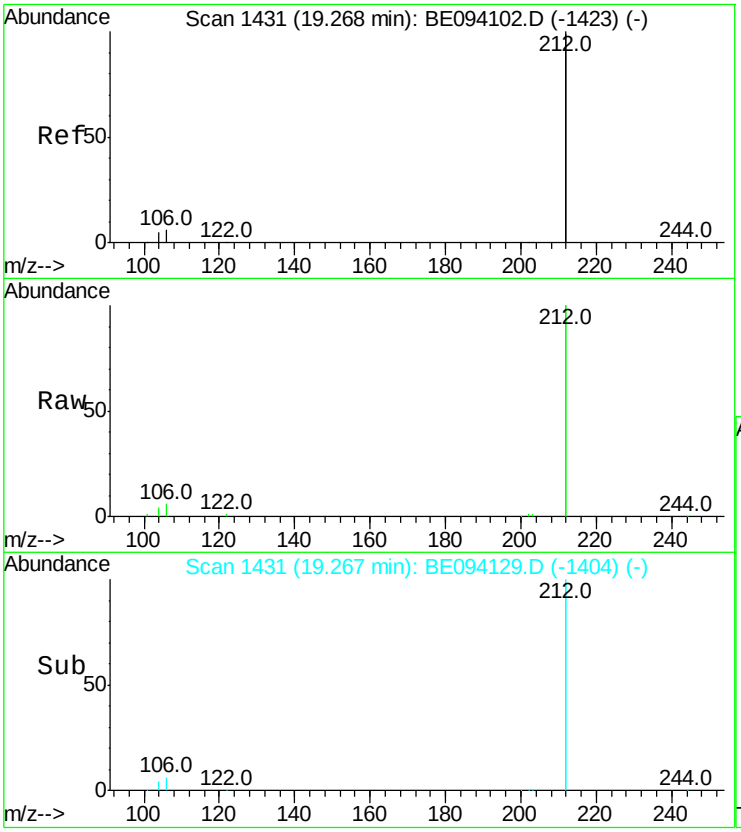


#24
Anthracene
Concen: 0.286 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:178 Resp: 11755

Ion	Ratio	Lower	Upper
178	100		
176	16.9	12.8	19.2
179	15.7	13.0	19.6



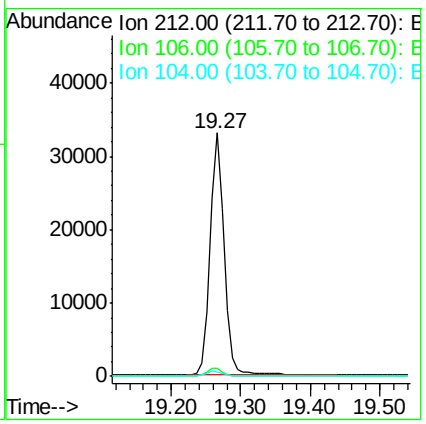


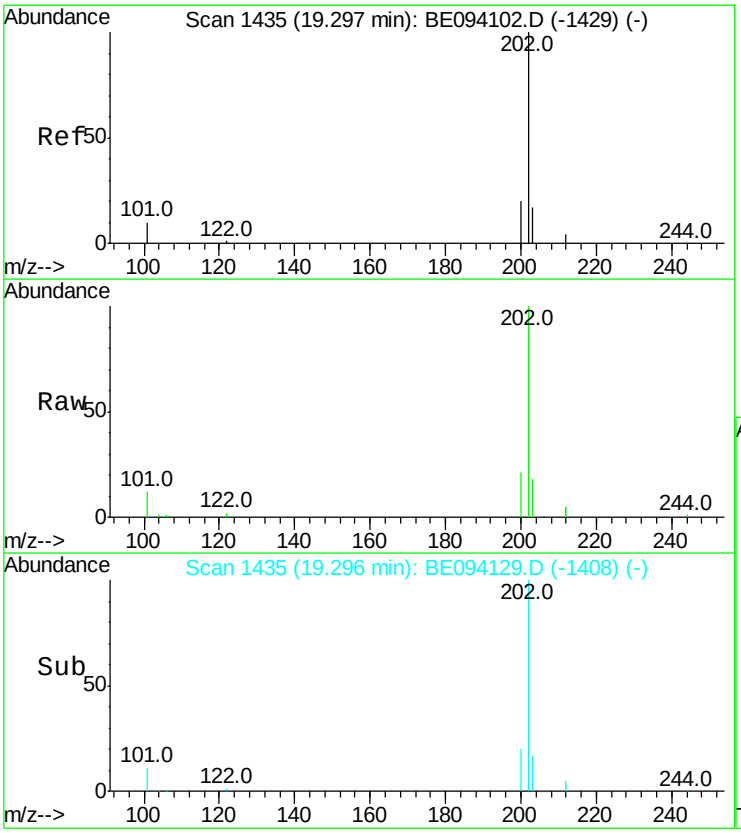
#25
Fluoranthene-d10
Concen: 0.311 ng
RT: 19.27 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:212 Resp: 46086

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.8	4.2
104	2.3	1.6	2.4

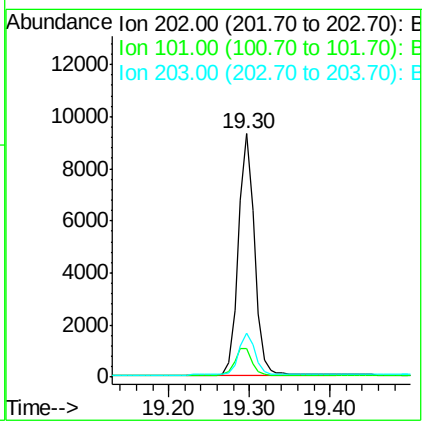


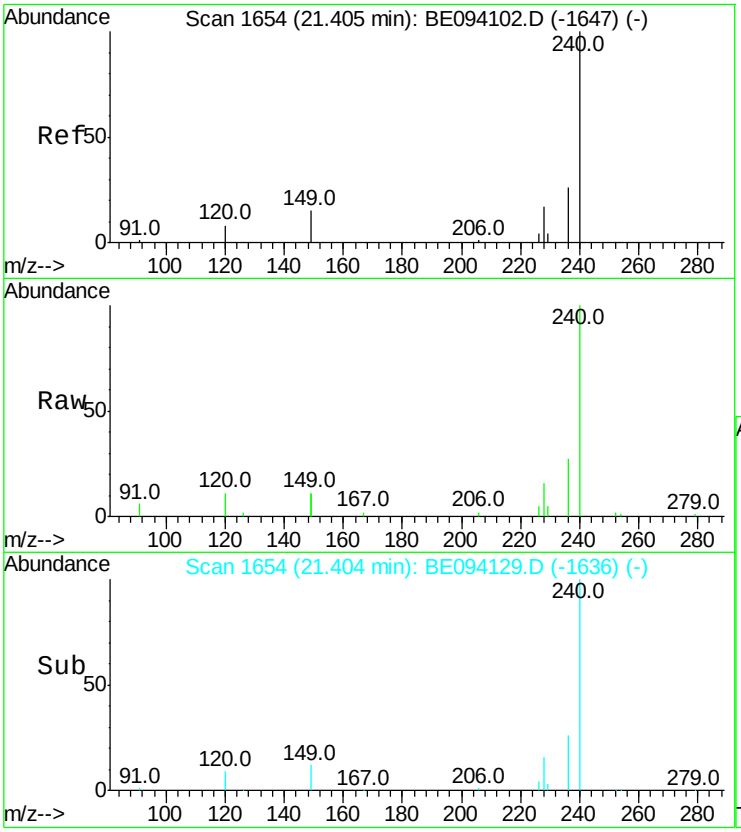


#26
Fluoranthene
Concen: 0.294 ng
RT: 19.30 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:202 Resp: 12888

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.8	14.8
203	17.0	13.7	20.5



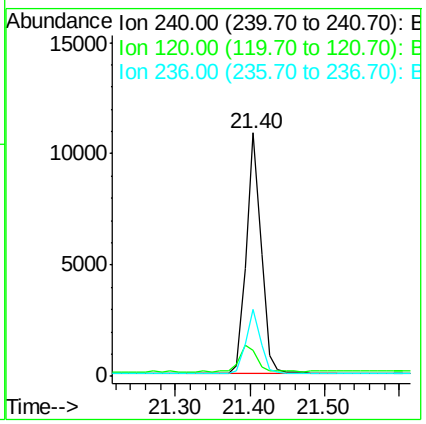


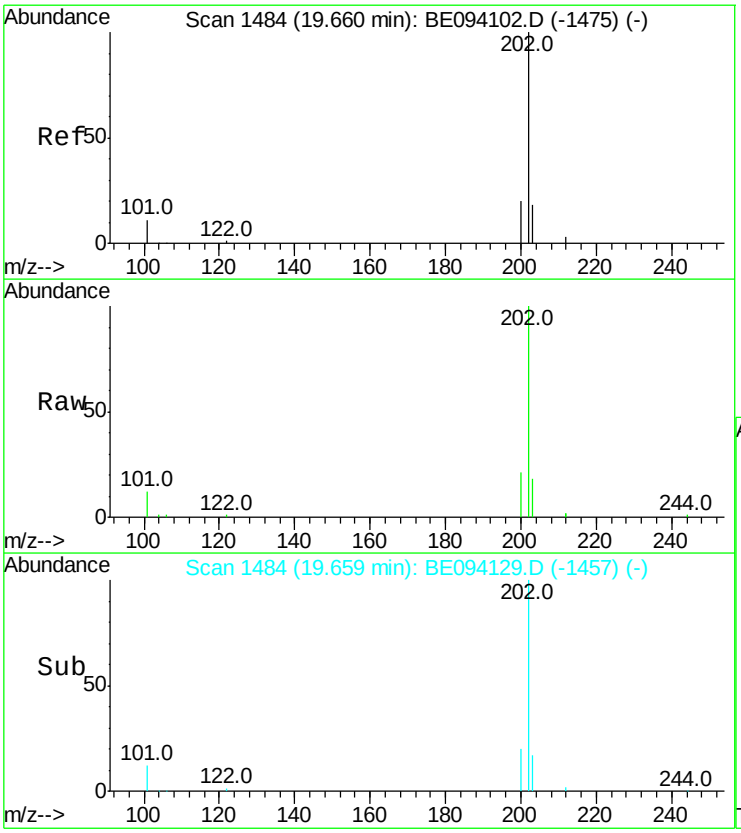
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:240 Resp: 15153

Ion	Ratio	Lower	Upper
240	100		
120	10.8	5.5	8.3#
236	27.3	20.7	31.1

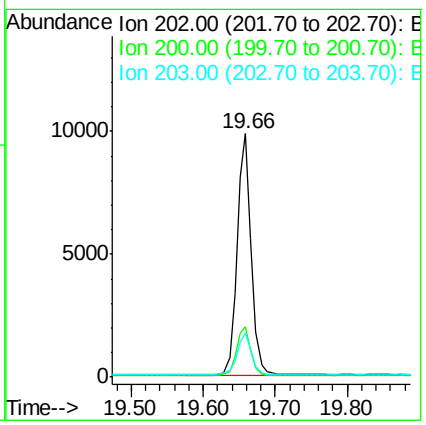


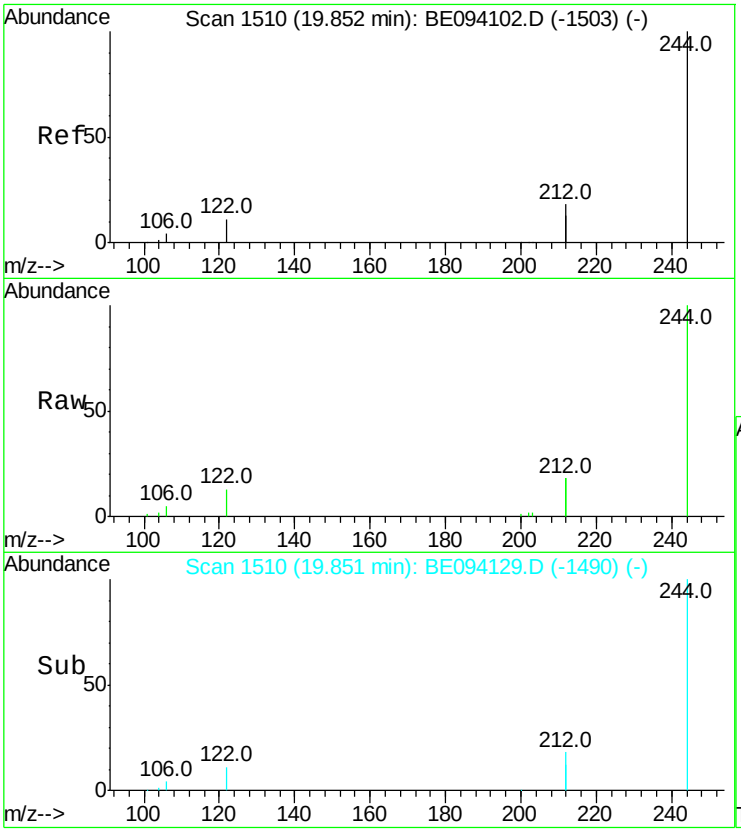


#28
Pyrene
Concen: 0.281 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:202 Resp: 13514

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	25.0
203	18.0	13.8	20.8



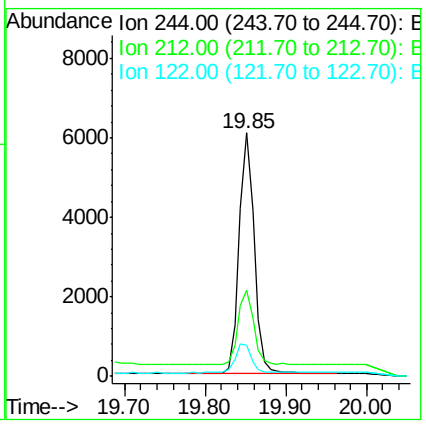


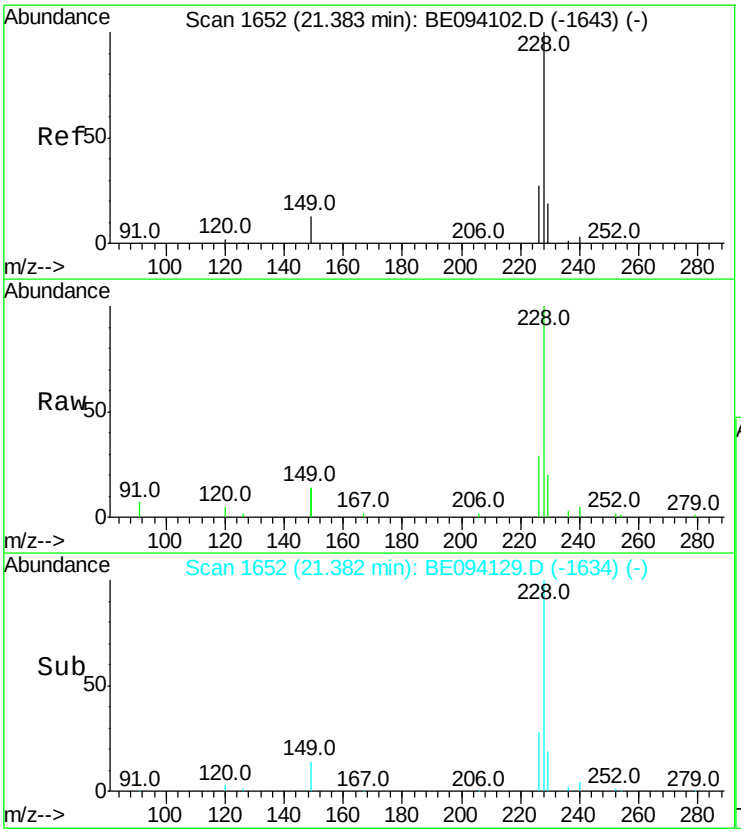
#29
Terphenyl-d14
Concen: 0.287 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:244 Resp: 7937

Ion	Ratio	Lower	Upper
244	100		
212	35.5	25.4	38.0
122	12.5	8.1	12.1#

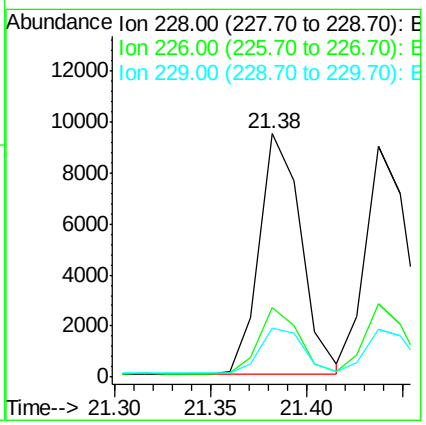


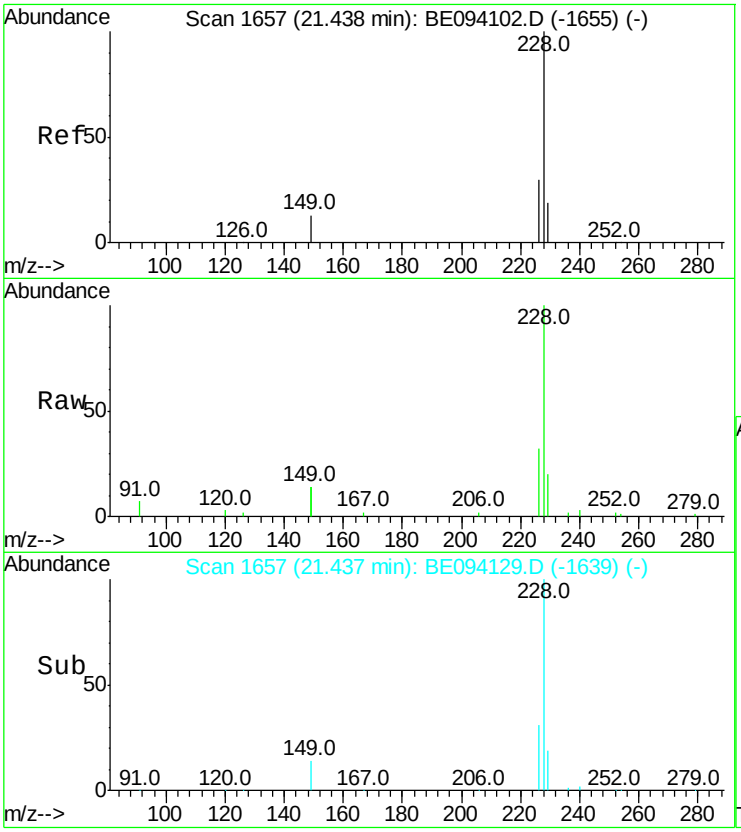


#30
Benzo(a)anthracene
Concen: 0.279 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:228 Resp: 14225

Ion	Ratio	Lower	Upper
228	100		
226	28.7	21.4	32.0
229	20.2	16.4	24.6



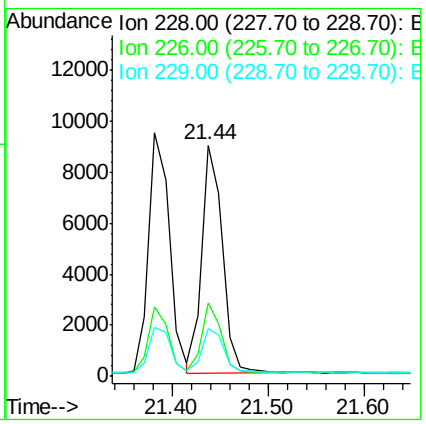


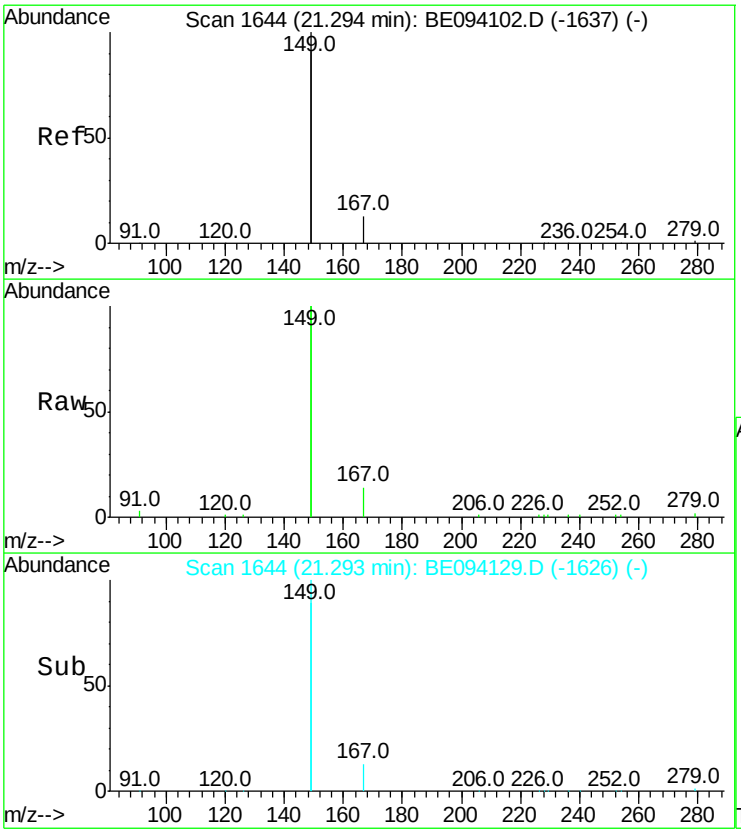
#31
Chrysene
Concen: 0.274 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:228 Resp: 13489

Ion	Ratio	Lower	Upper
228	100		
226	31.5	23.6	35.4
229	20.5	16.4	24.6

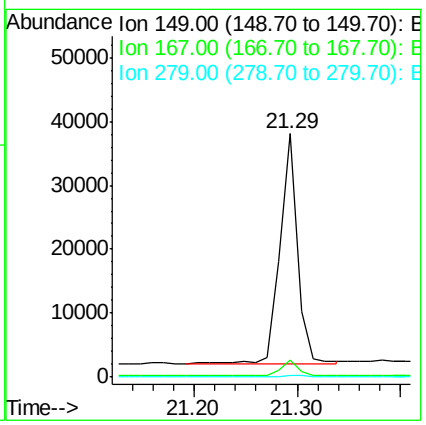


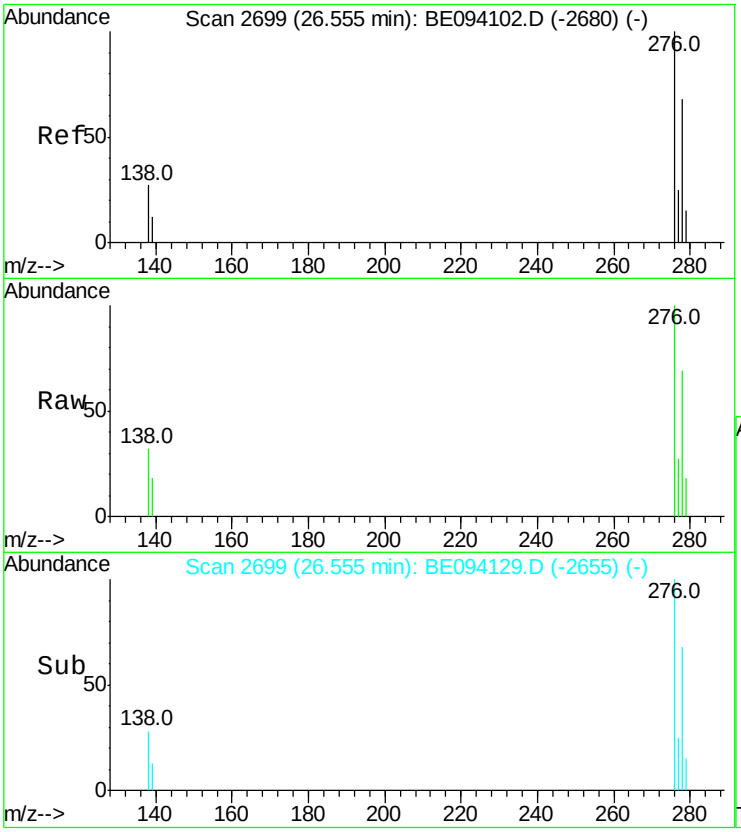


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.073 ng
RT: 21.29 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:149 Resp: 42132

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.9	0.7	1.1



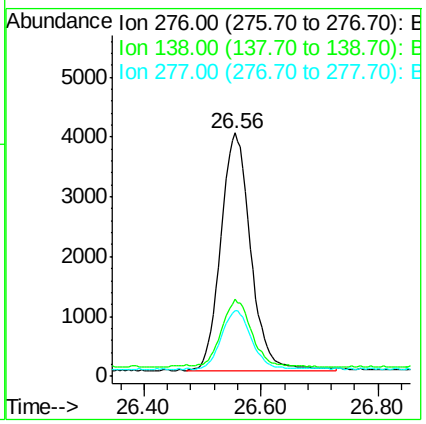


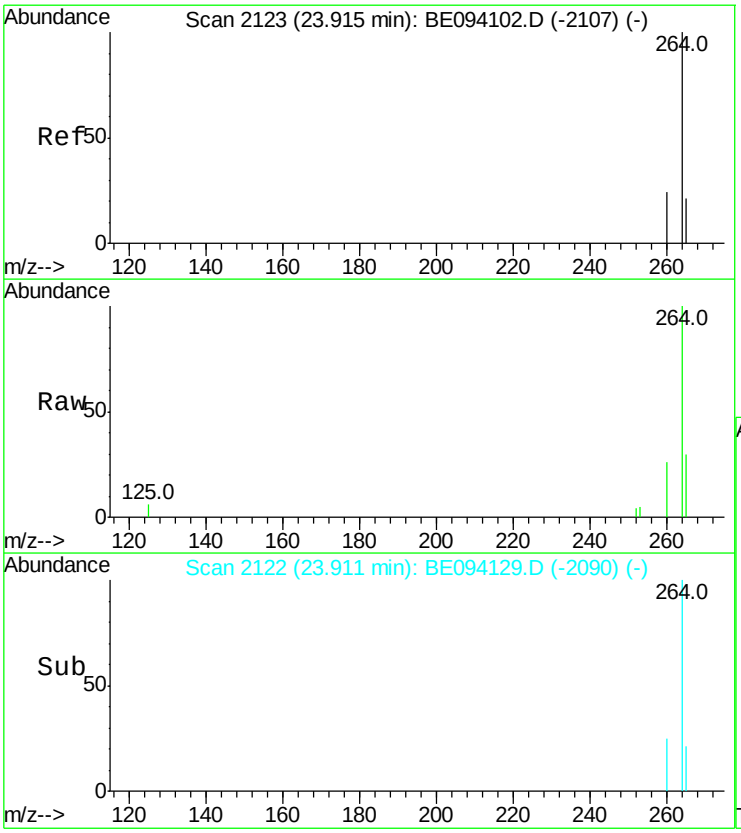
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.266 ng
RT: 26.56 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:276 Resp: 13998

Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.5	33.7
277	25.4	19.9	29.9

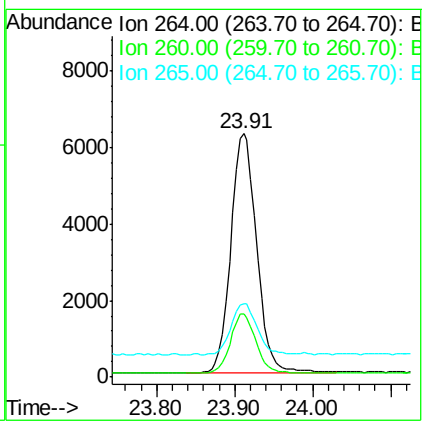


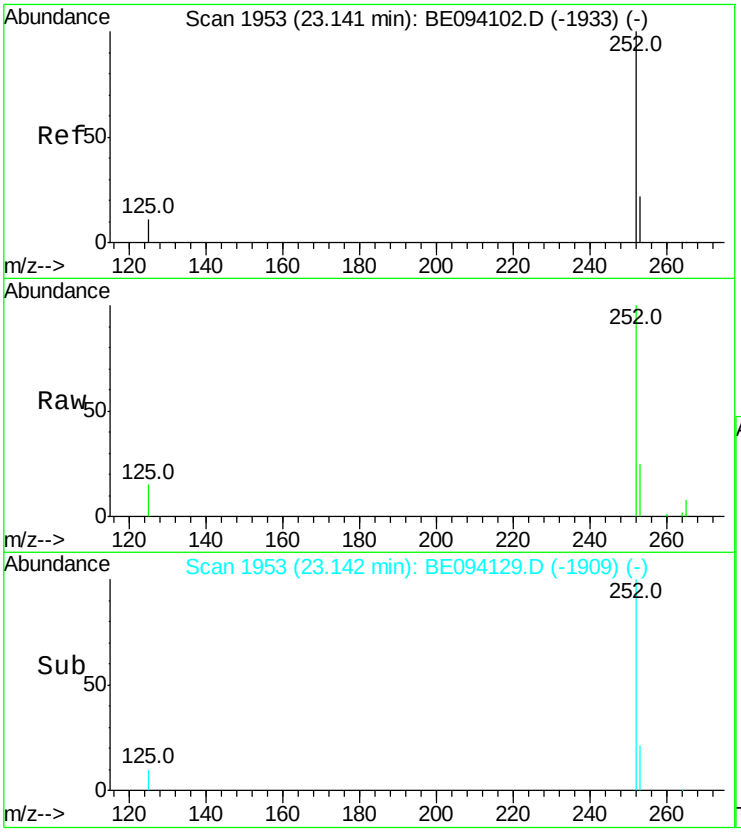


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:264 Resp: 14378

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.5	30.7
265	30.3	22.8	34.2



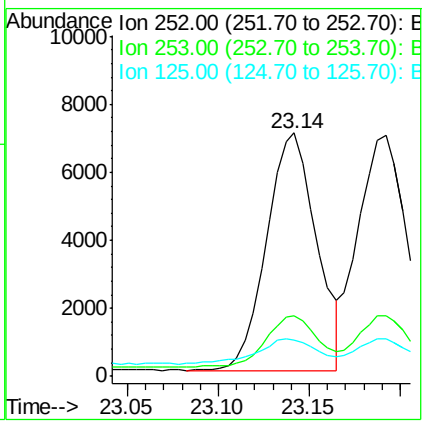


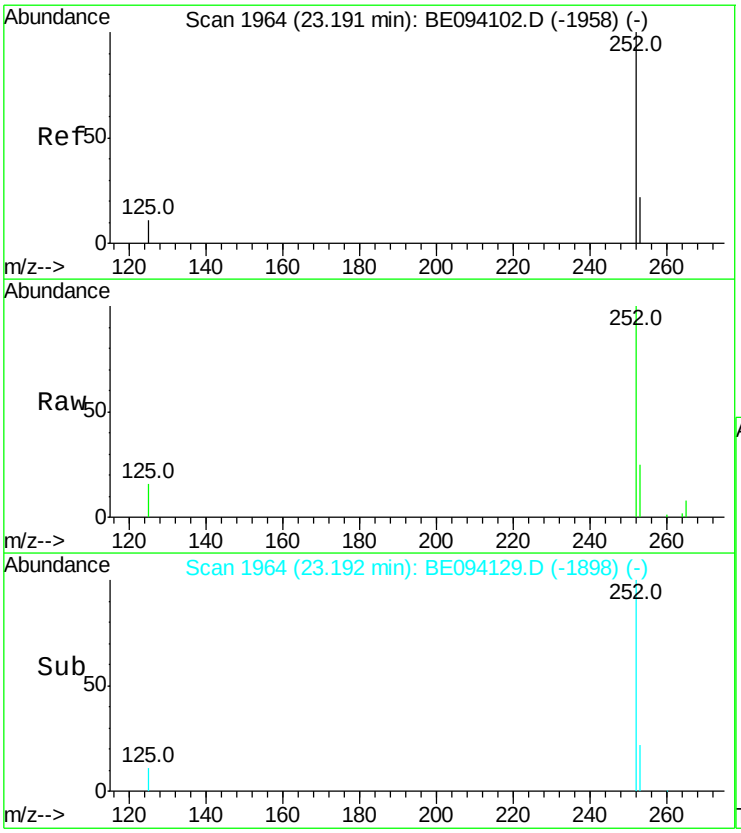
#35
Benzo(b)fluoranthene
Concen: 0.257 ng
RT: 23.14 min Scan# 1953
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:252 Resp: 13333

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	14.9	10.1	15.1

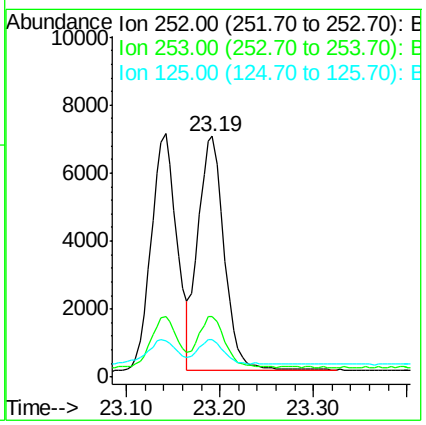


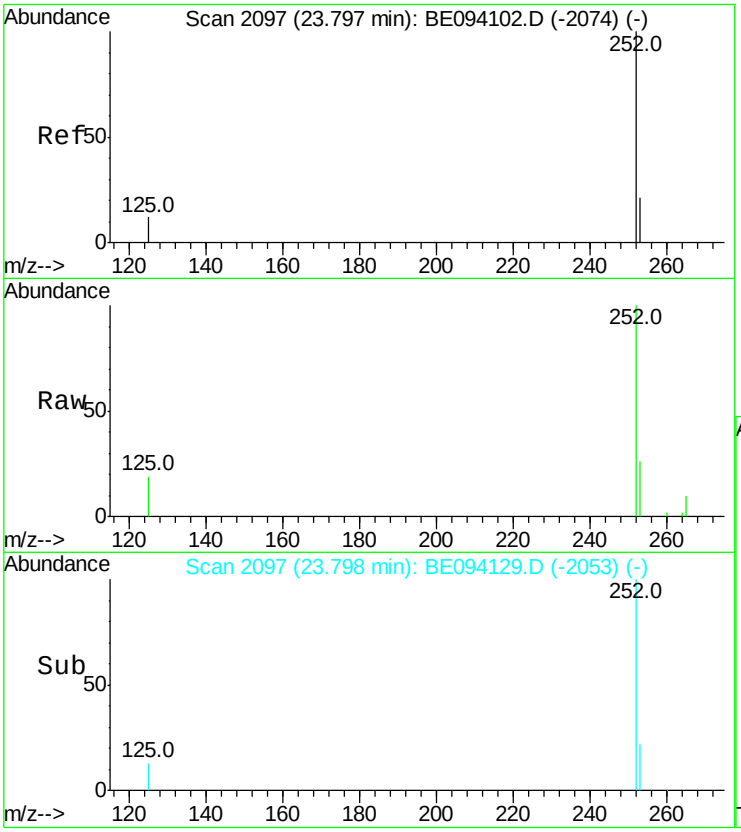


#36
Benzo(k)fluoranthene
Concen: 0.269 ng
RT: 23.19 min Scan# 1964
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:252 Resp: 13386

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.6	27.8
125	15.6	10.7	16.1



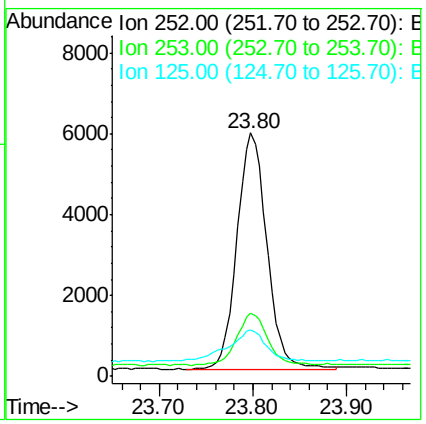


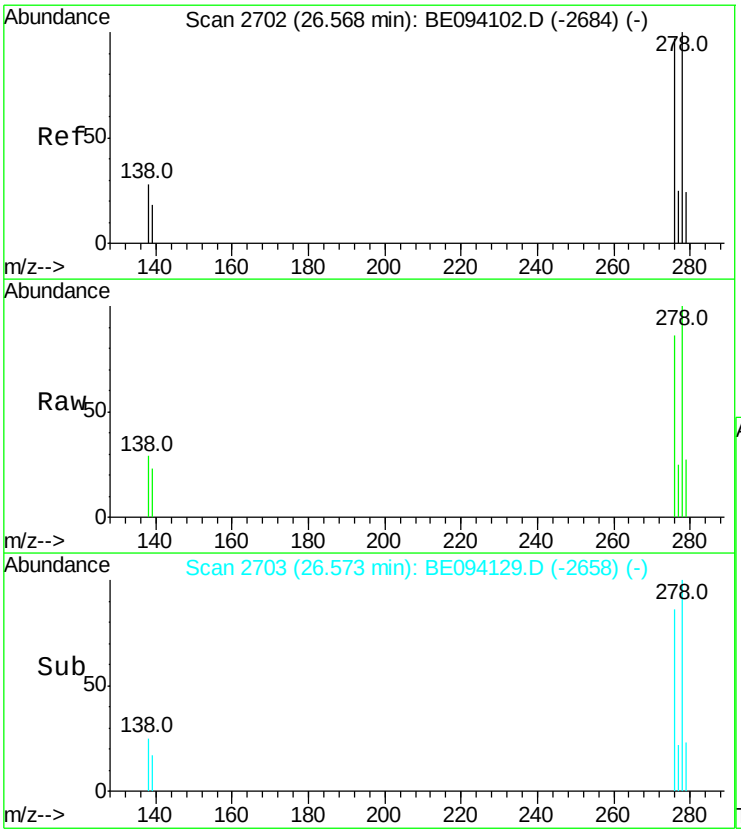
#37
Benzo(a)pyrene
Concen: 0.277 ng
RT: 23.80 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:252 Resp: 12991

Ion	Ratio	Lower	Upper
252	100		
253	26.0	19.0	28.6
125	19.1	11.8	17.8#

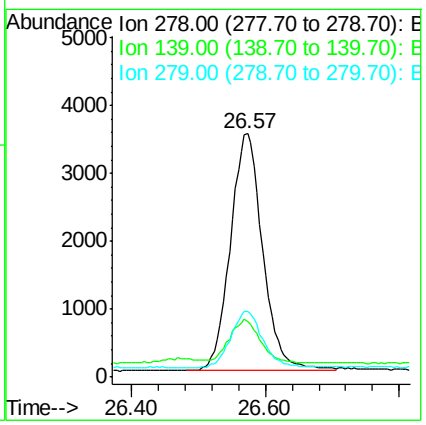


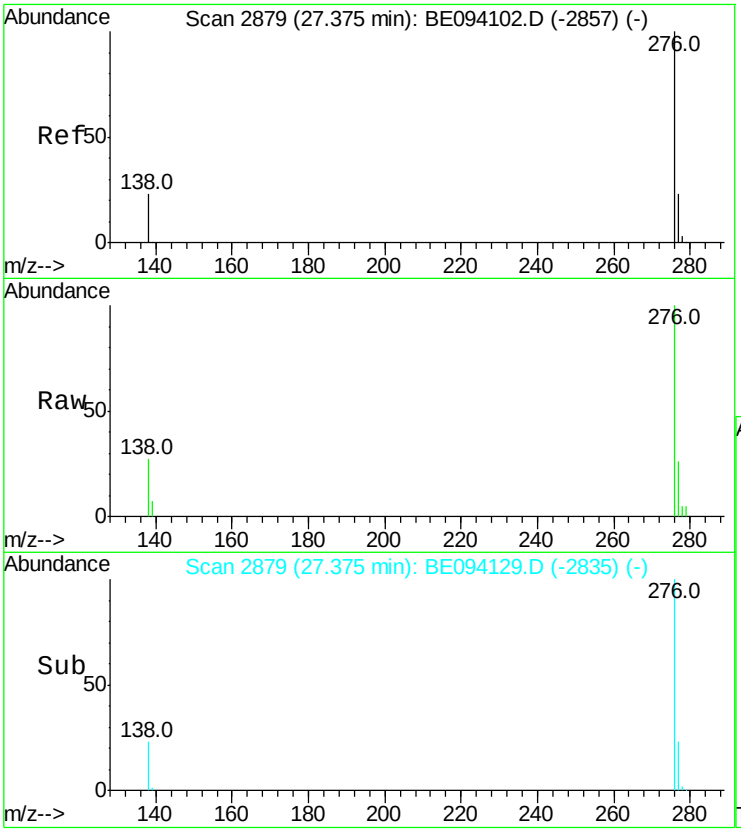


#38
Dibenzo(a,h)anthracene
Concen: 0.264 ng
RT: 26.57 min Scan# 2703
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Tgt Ion:278 Resp: 11724

Ion	Ratio	Lower	Upper
278	100		
139	22.5	16.3	24.5
279	26.9	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.268 ng
RT: 27.38 min Scan# 2879
Delta R.T. 0.00 min
Lab File: BE094129.D
Acq: 26 Sep 2017 15:26

Instrument :
BNA_E
ClientSampleId :
PB102616BSD

Tgt Ion:276 Resp: 11788

Ion	Ratio	Lower	Upper
276	100		
277	25.9	20.8	31.2
138	26.9	21.5	32.3