Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092317\
Data File : BE094092.D
Acq On : 23 Sep 2017 23:49
Operator : SJ/JU
Sample : I5340-12
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : LT-TS-012

Quant Time: Sep 25 13:31:20 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 13:07:29 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	2450	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	13279	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	8124	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	24319	0.40	ng		0.00
27) Chrysene-d12	21.40	240	14793	0.40	ng		0.00
34) Perylene-d12	23.91	264	14467	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	1449	-0.04	ng		0.00
5) Phenol-d6	7.09	99	2258	0.16	ng		0.00
8) Nitrobenzene-d5	9.06	82	1829	0.15	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	3027	0.13	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	442	0.07	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	4017	0.15	ng		0.00
25) Fluoranthene-d10	19.27	212	23388	0.07	ng		0.00
29) Terphenyl-d14	19.85	244	3563	0.15	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.33	93	1576	0.146	ng		88
9) Naphthalene	10.74	128	23989	0.142	ng		100
10) Hexachlorobutadiene	11.02	225	729	0.136	ng		97
12) 2-Methylnaphthalene	12.35	142	4156	0.155	ng		98
16) Acenaphthylene	14.23	152	8574	0.210	ng		99
17) Acenaphthene	14.57	154	4486	0.165	ng		97
18) Fluorene	15.56	166	6111	0.151	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	1848	0.142	ng		93
21) Hexachlorobenzene	16.55	284	1101	0.115	ng	#	89
22) Pentachlorophenol	16.91	266	896	1.319	ng	#	76
23) Phenanthrene	17.27	178	37596	0.432	ng		98
24) Anthracene	17.37	178	13548	0.202	ng		97
26) Fluoranthene	19.30	202	53711	0.575	ng		99
28) Pyrene	19.66	202	53281	1.302	ng	#	96
30) Benzo(a)anthracene	21.38	228	27304	0.551	ng		97
31) Chrysene	21.44	228	29871	0.615	ng		97
32) Bis(2-ethylhexyl)phthalate	21.29	149	143605	1.079	ng		100
33) Indeno(1,2,3-cd)pyrene	26.55	276	18553	0.494	ng		97
35) Benzo(b)fluoranthene	23.14	252	33032	0.631	ng	#	94
36) Benzo(k)fluoranthene	23.19	252	14369	0.274	ng	#	87
37) Benzo(a)pyrene	23.79	252	25150	0.535	ng		96
38) Dibenzo(a,h)anthracene	26.56	278	8011	0.213	ng	#	85
39) Benzo(g,h,i)perylene	27.37	276	18057	0.480	ng		98

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

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Data File : BE094092.D
Acq On : 23 Sep 2017 23:49
Operator : SJ/JU
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

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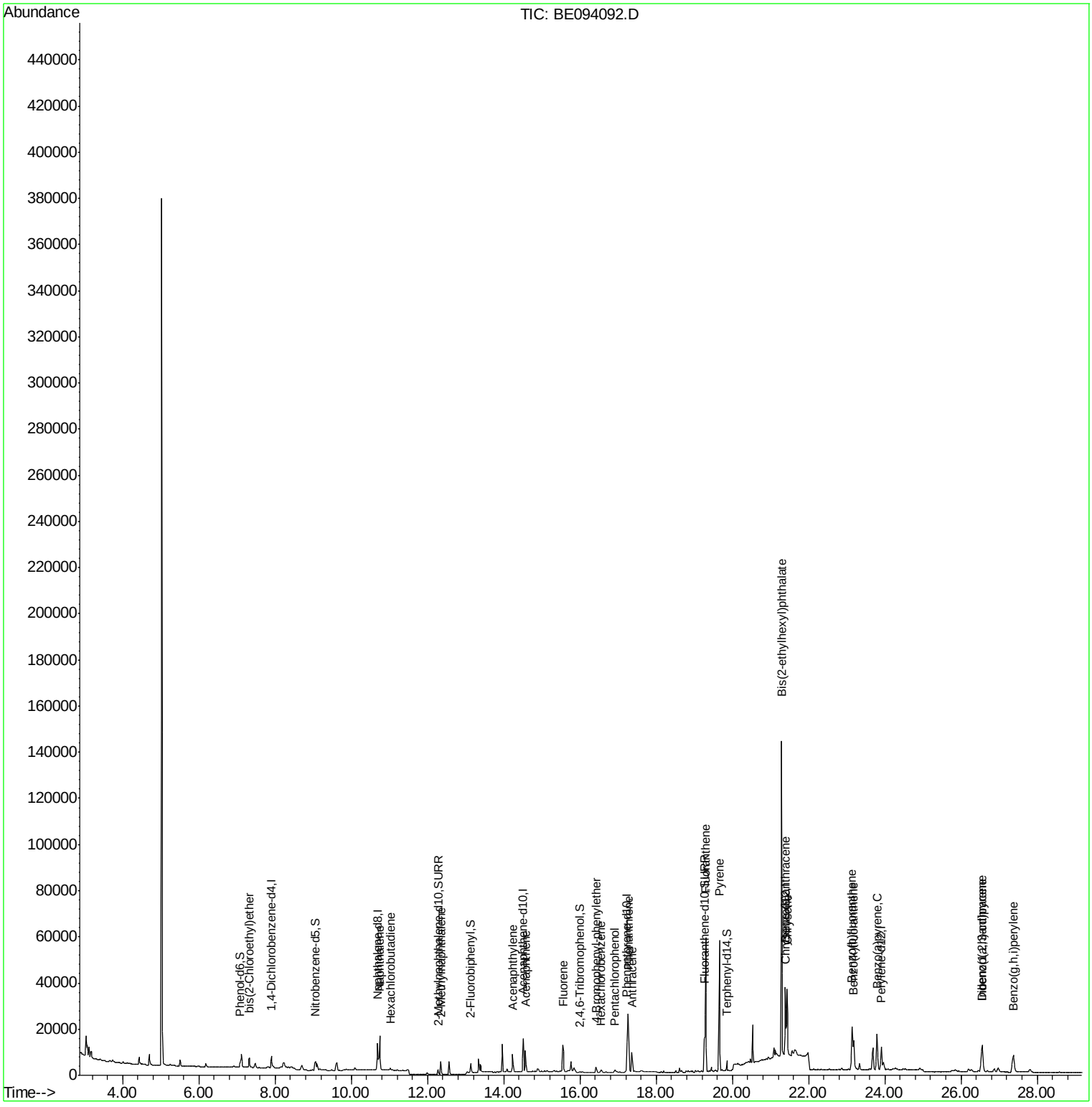
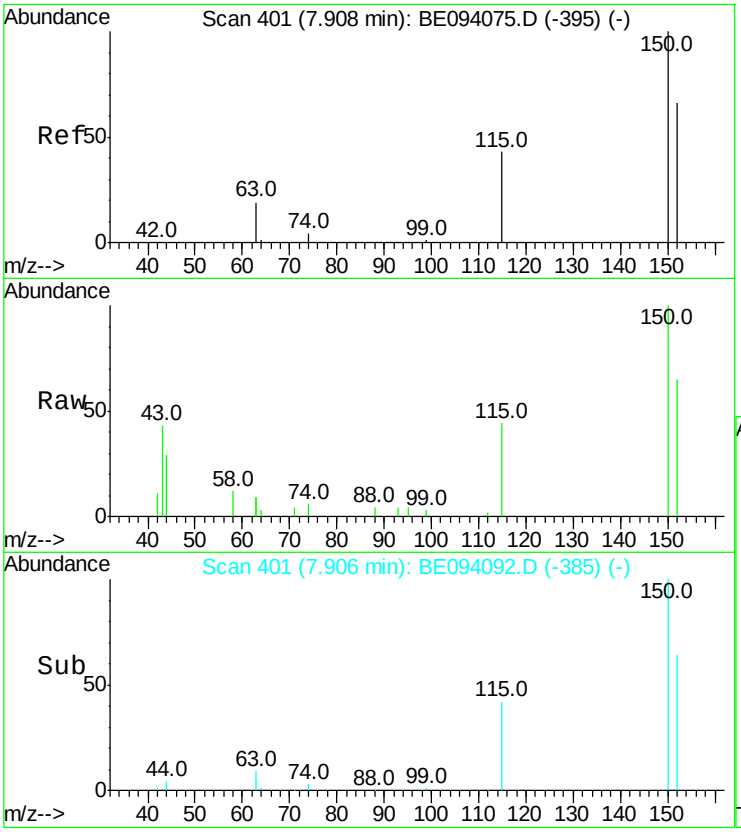
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 25 13:07:29 2017
Response via : Initial Calibration



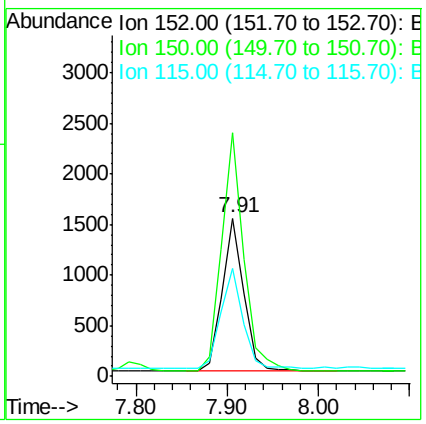


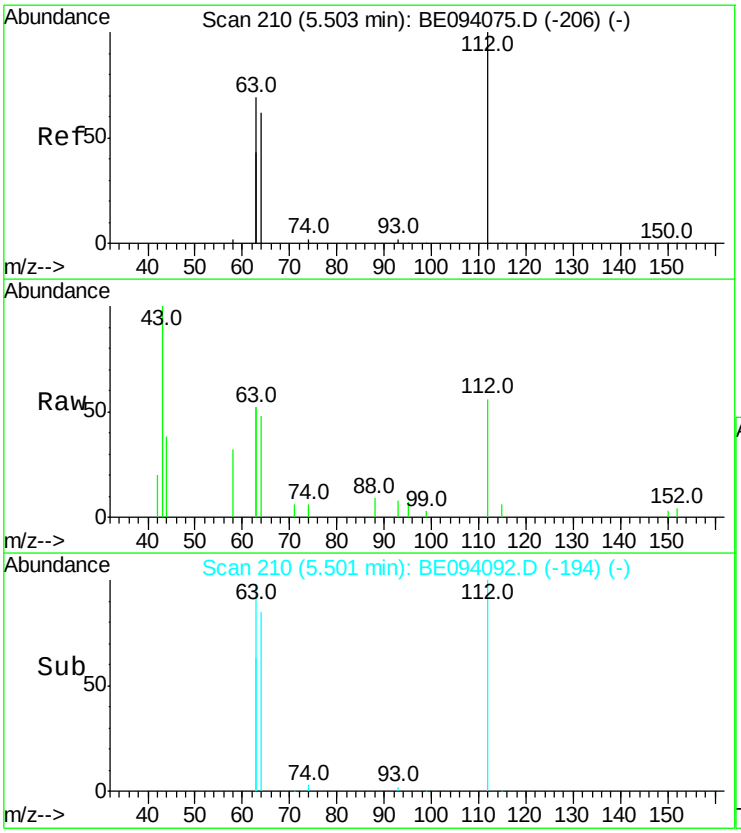
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:152 Resp: 2450

Ion	Ratio	Lower	Upper
152	100		
150	154.2	117.2	175.8
115	68.5	57.0	85.6

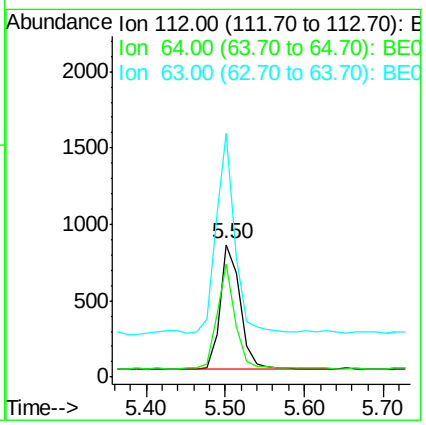


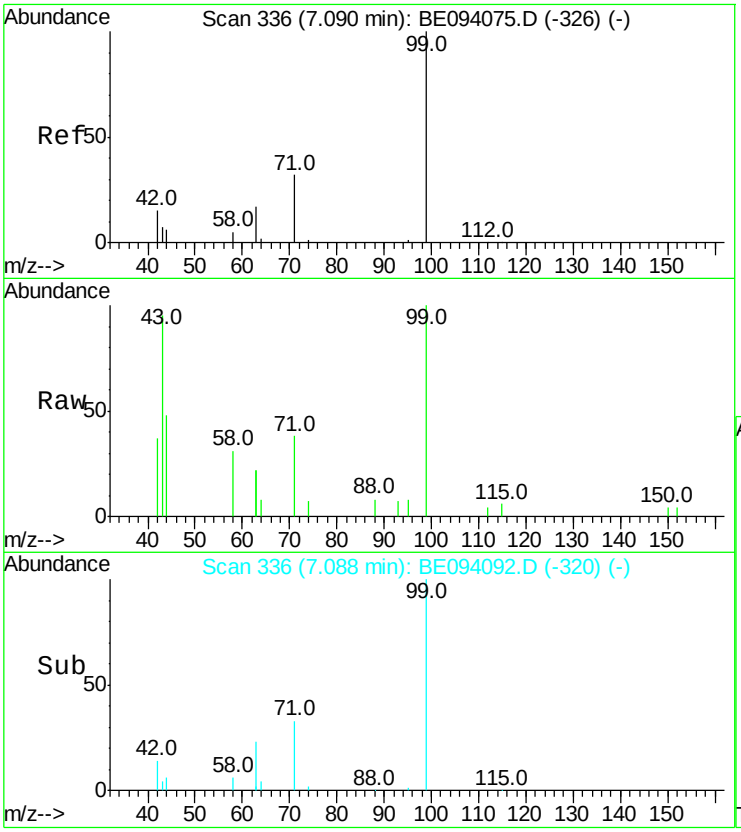


#4
2-Fluorophenol
Concen: -0.043 ng
RT: 5.50 min Scan# 210
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:112 Resp: 1449

Ion	Ratio	Lower	Upper
112	100		
64	76.0	60.1	90.1
63	151.3	116.8	175.2



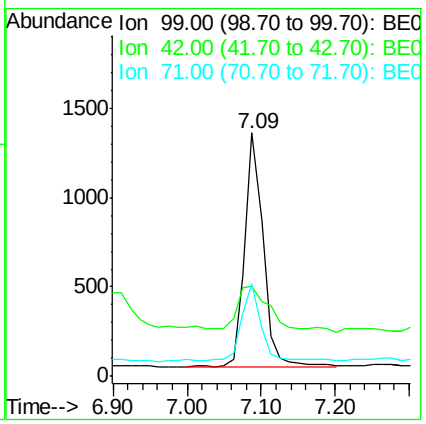


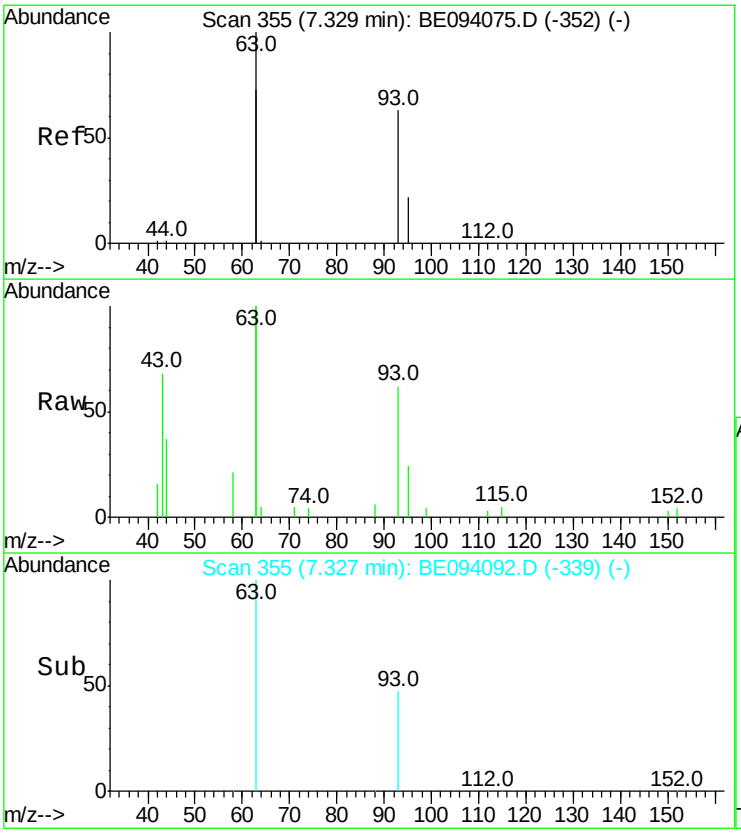
#5
Phenol-d6
Concen: 0.156 ng
RT: 7.09 min Scan# 336
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion: 99 Resp: 2258

Ion	Ratio	Lower	Upper
99	100		
42	29.5	20.2	30.2
71	34.9	28.4	42.6

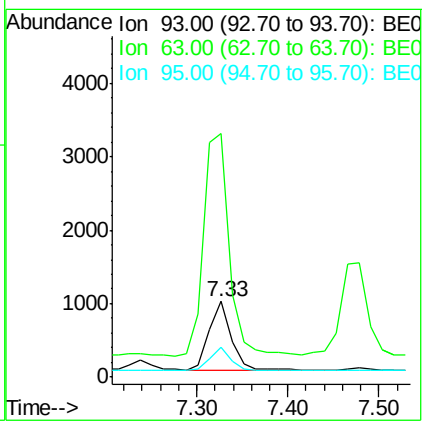


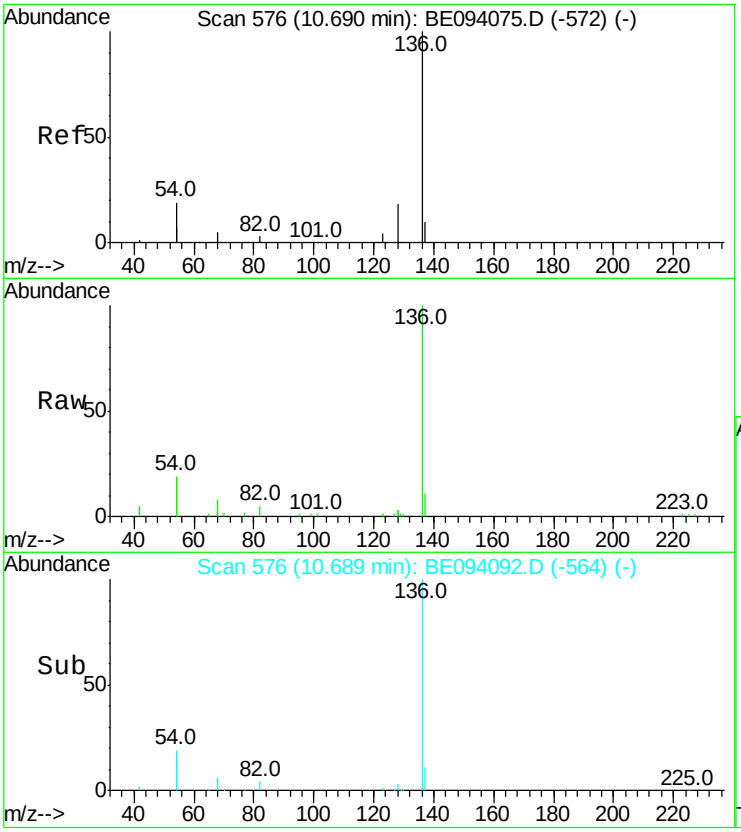


#6
bis(2-Chloroethyl)ether
Concen: 0.146 ng
RT: 7.33 min Scan# 355
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion: 93 Resp: 1576

Ion	Ratio	Lower	Upper
93	100		
63	371.1	275.3	412.9
95	32.6	25.2	37.8



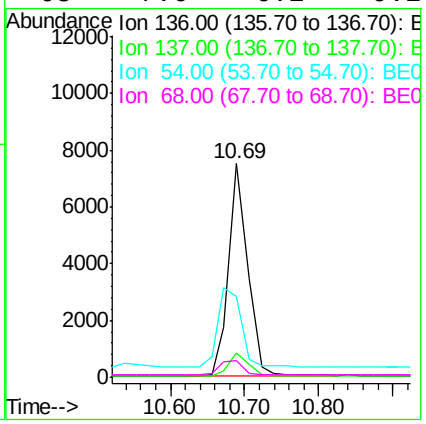


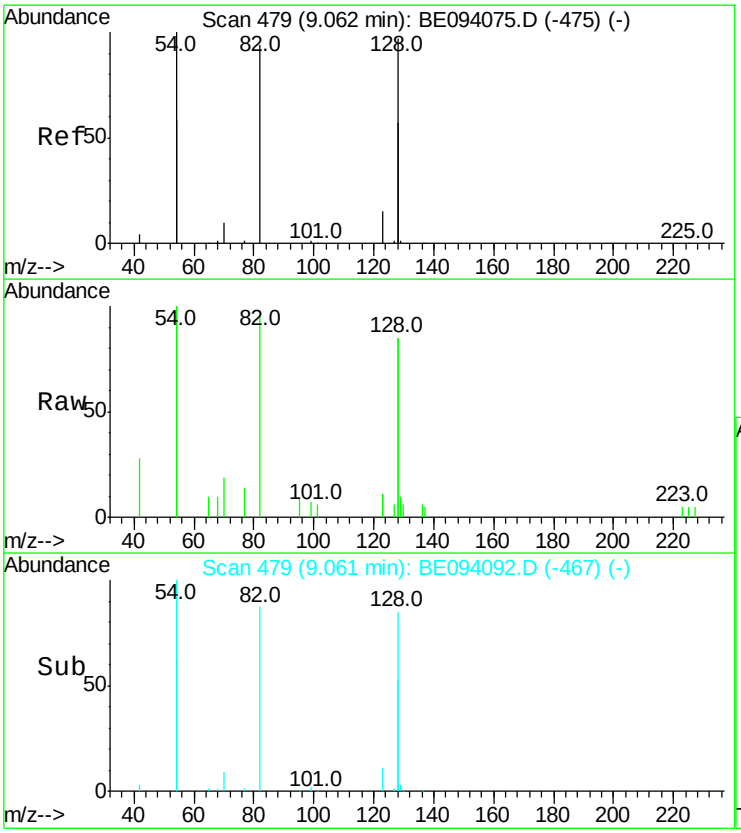
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:136 Resp: 13279

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.5	14.3
54	37.7	29.1	43.7
68	7.6	6.2	9.2

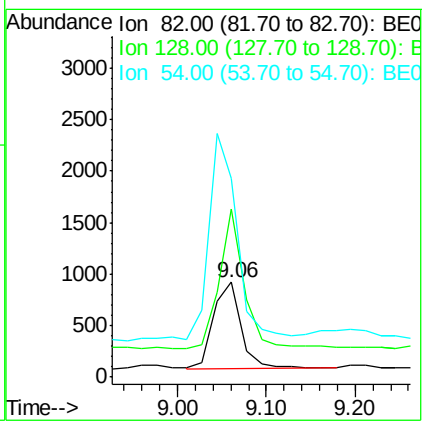


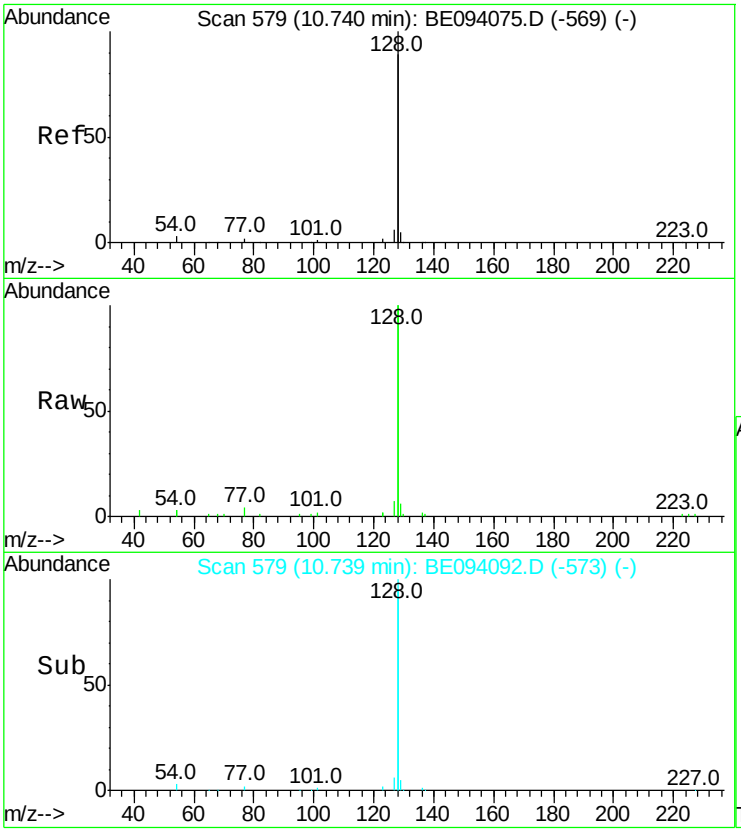


#8
Nitrobenzene-d5
Concen: 0.155 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion: 82 Resp: 1829

Ion	Ratio	Lower	Upper
82	100		
128	177.3	150.0	225.0
54	209.8	154.2	231.4



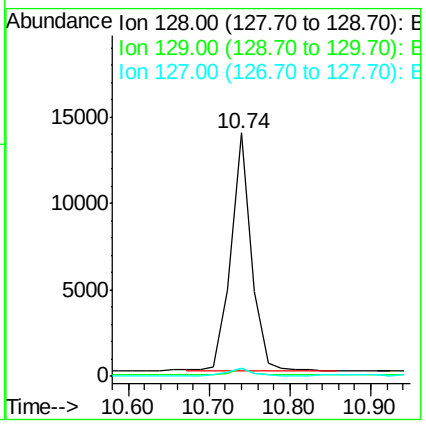


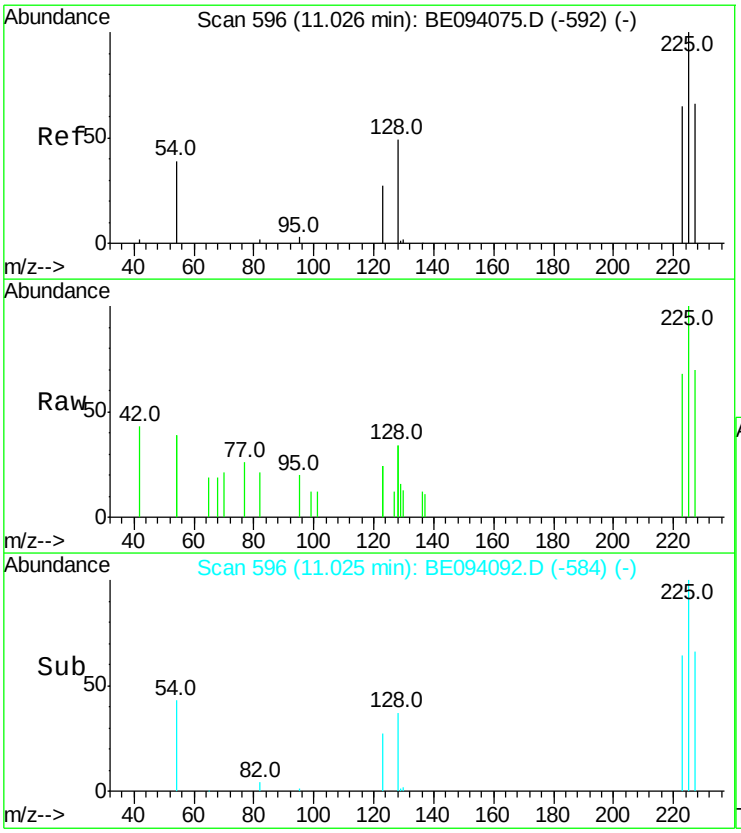
#9
Naphthalene
Concen: 0.142 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:128 Resp: 23989

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.6	2.8	4.2

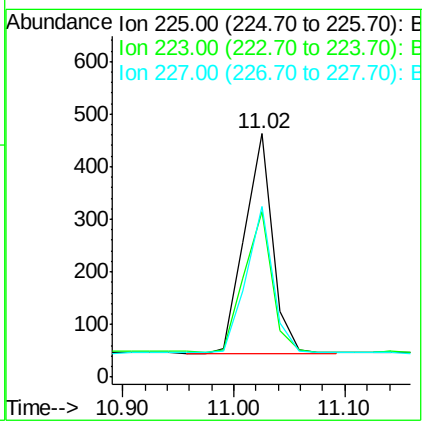


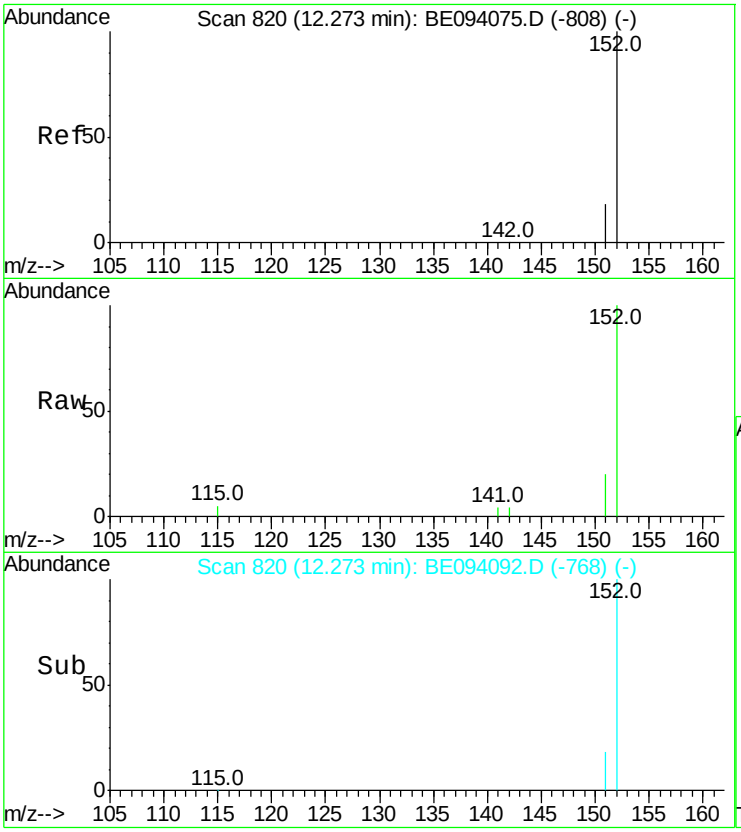


#10
Hexachlorobutadiene
Concen: 0.136 ng
RT: 11.02 min Scan# 596
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:225 Resp: 729

Ion	Ratio	Lower	Upper
225	100		
223	63.4	53.0	79.6
227	65.4	51.4	77.2



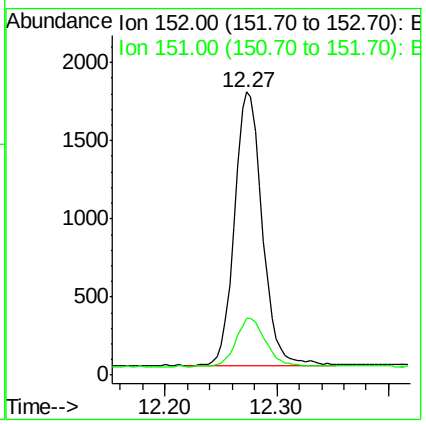


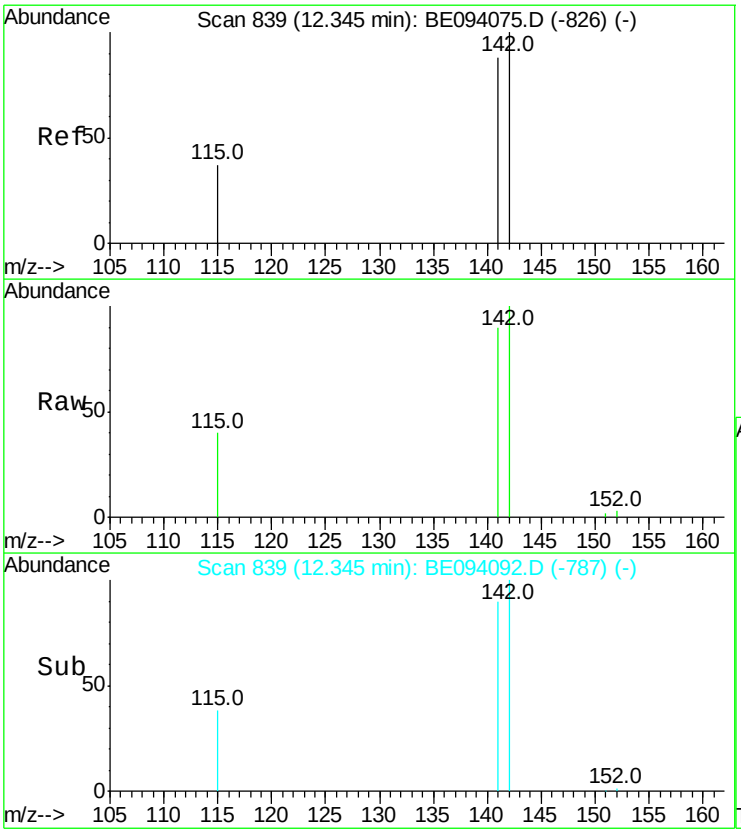
#11
2-Methylnaphthalene-d10
Concen: 0.135 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:152 Resp: 3027

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.4	23.0

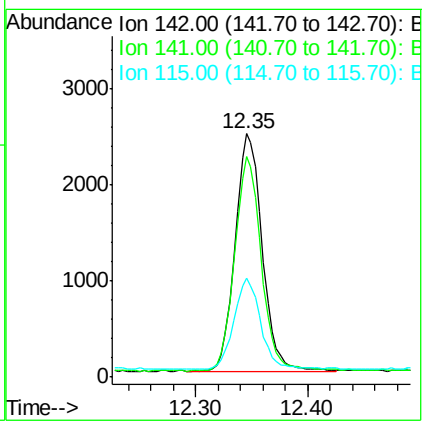


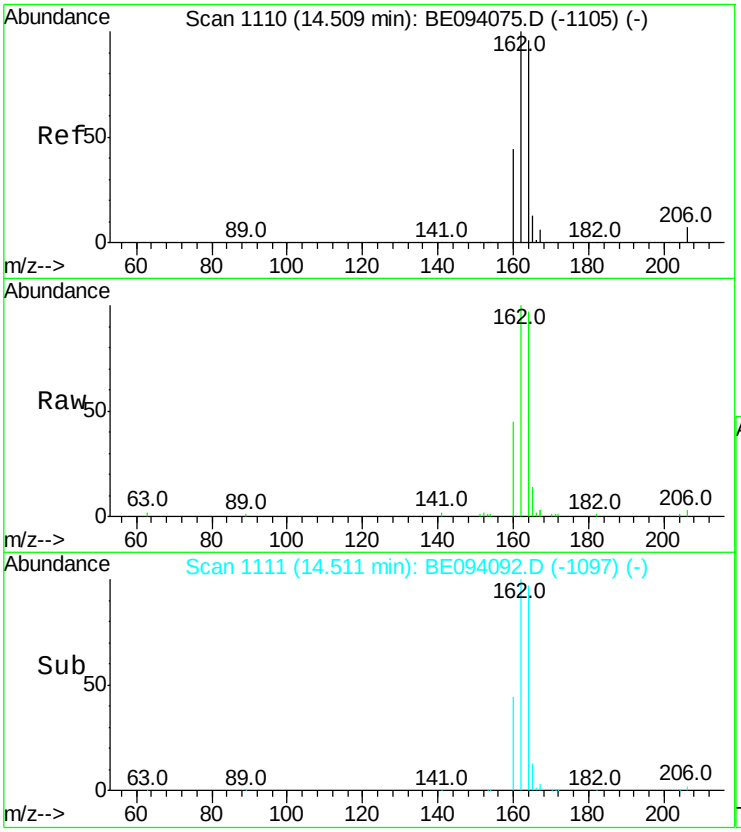


#12
2-Methylnaphthalene
Concen: 0.155 ng
RT: 12.35 min Scan# 839
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:142 Resp: 4156

Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.4	105.6
115	40.4	31.7	47.5



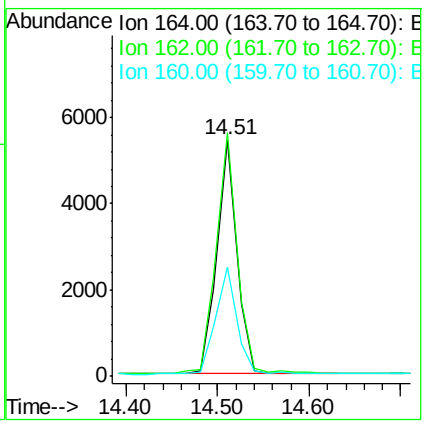


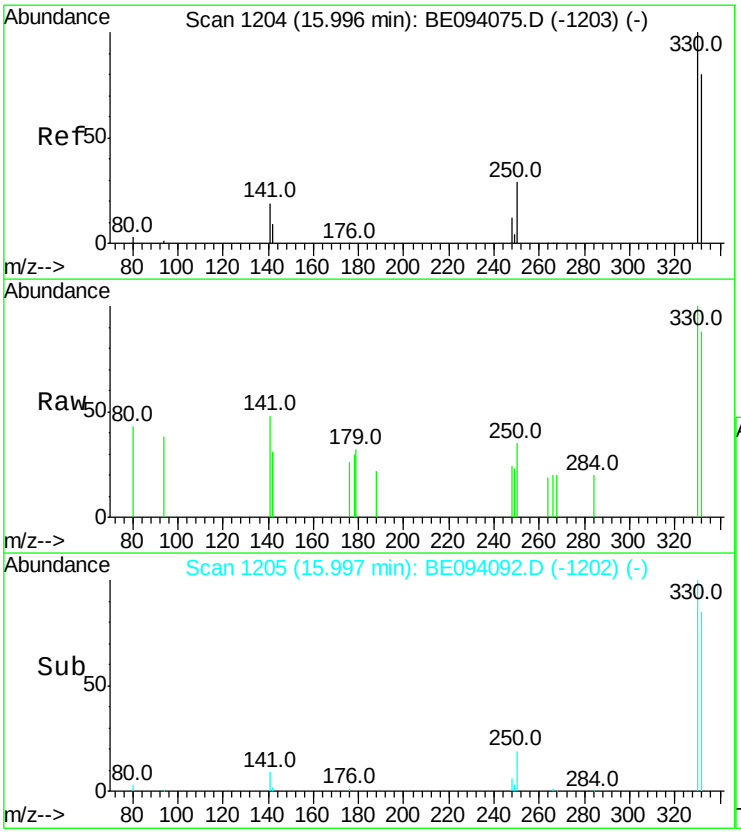
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:164 Resp: 8124

Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.1	124.7
160	46.3	37.1	55.7

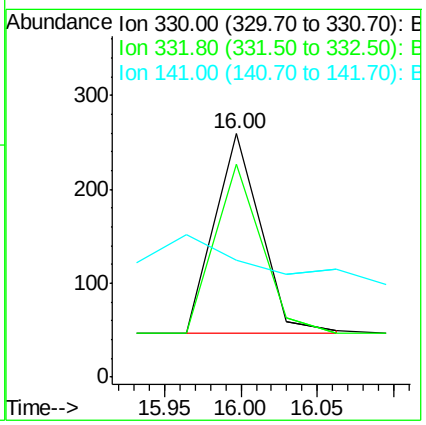


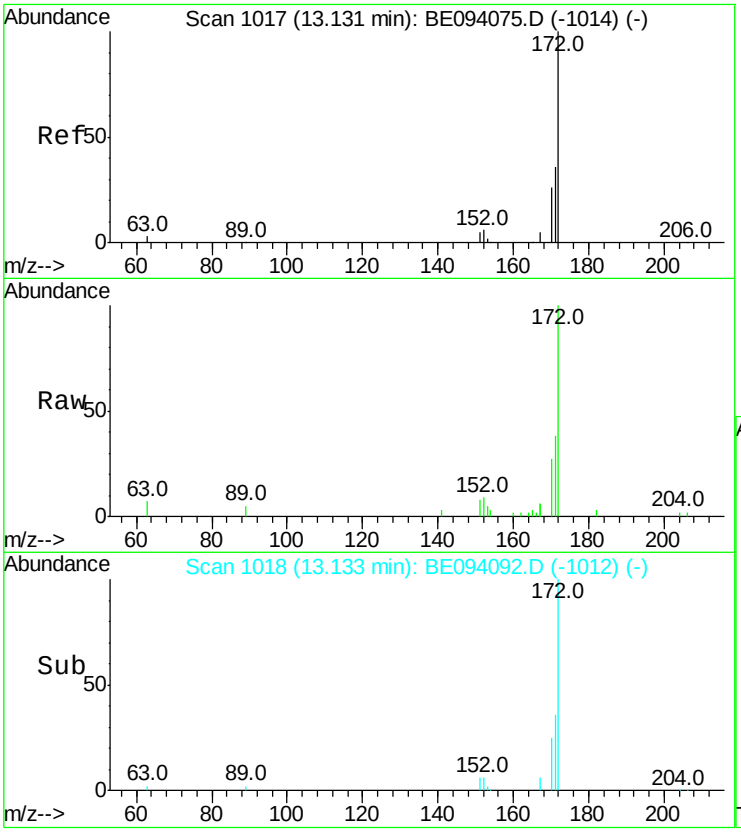


#14
2,4,6-Tribromophenol
Concen: 0.072 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:330 Resp: 442

Ion	Ratio	Lower	Upper
330	100		
332	88.0	152.7	229.1#
141	0.0	33.7	50.5#



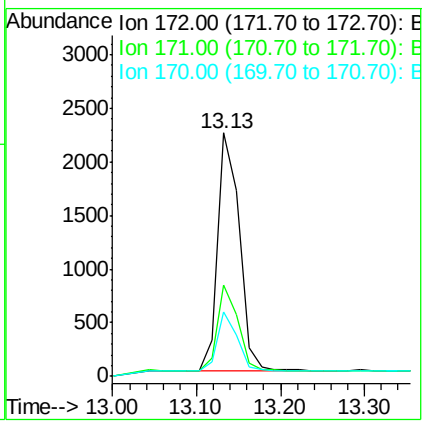


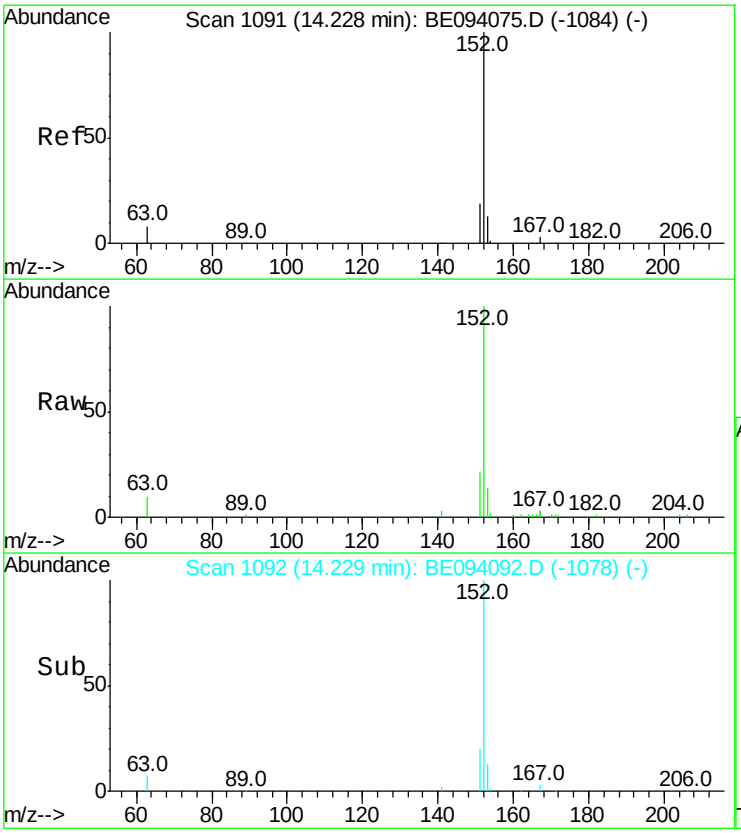
#15
2-Fluorobiphenyl
Concen: 0.151 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:172 Resp: 4017

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.9	44.9
170	26.5	21.8	32.8

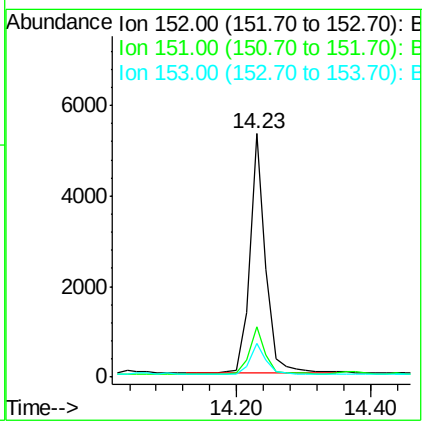


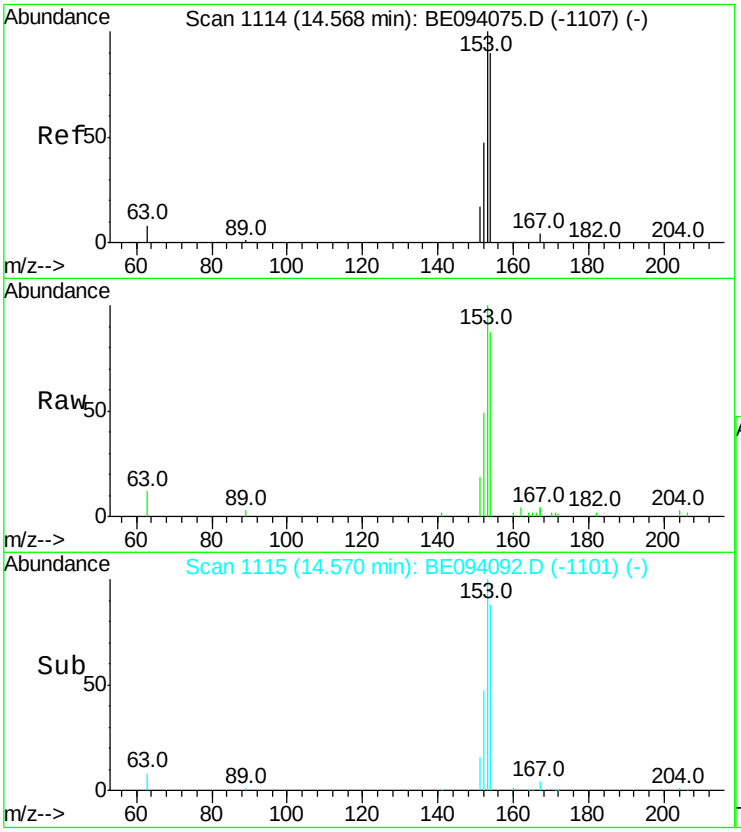


#16
Acenaphthylene
Concen: 0.210 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:152 Resp: 8574

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.4	10.5	15.7



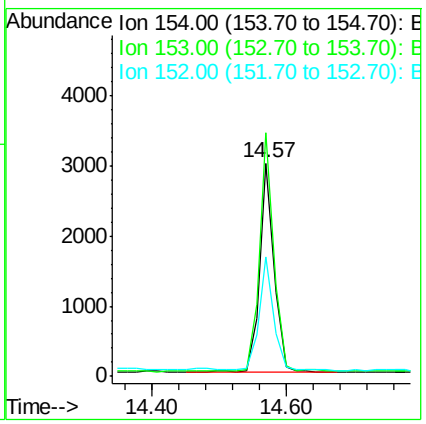


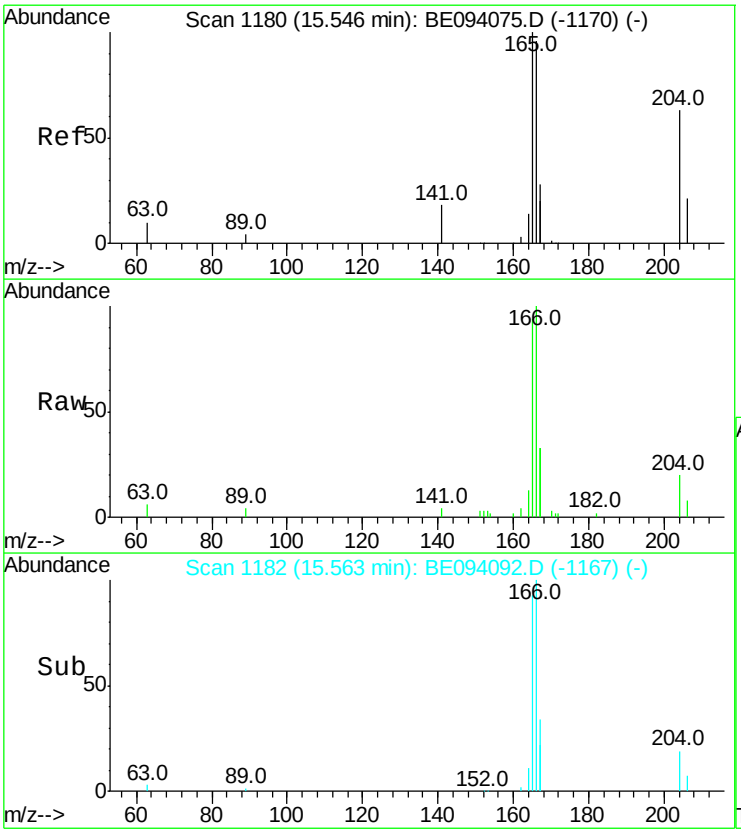
#17
Acenaphthene
Concen: 0.165 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:154 Resp: 4486

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.2	133.8
152	54.5	42.0	63.0

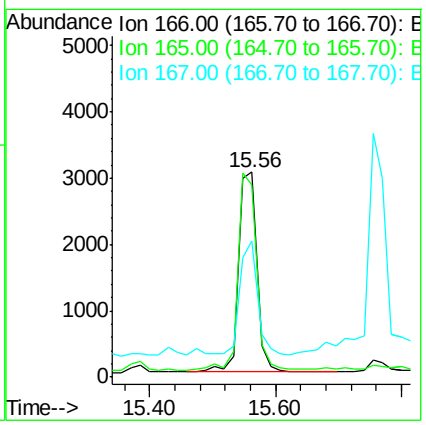


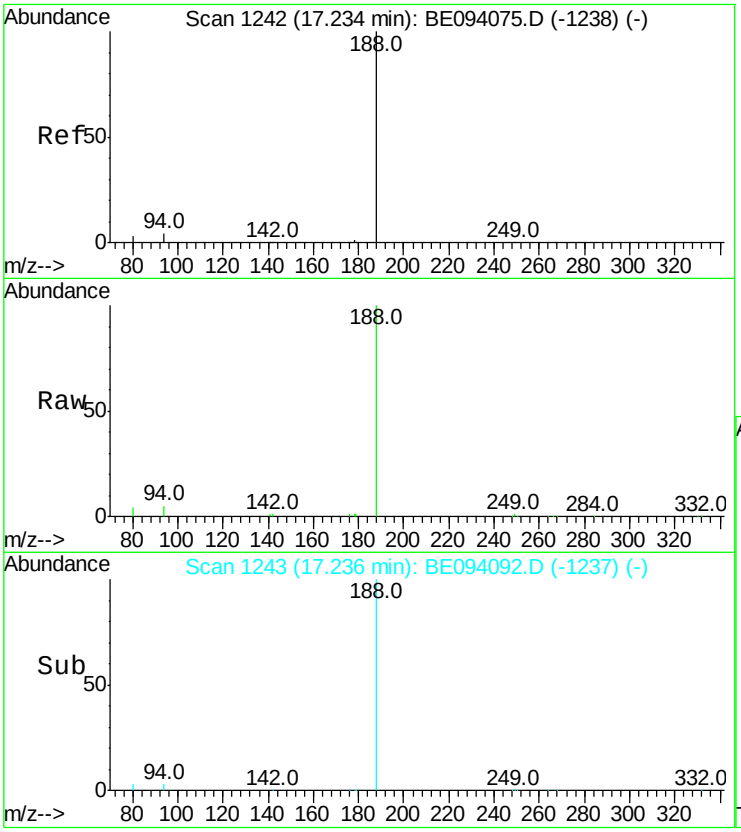


#18
Fluorene
Concen: 0.151 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.02 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:166 Resp: 6111

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.6
167	54.3	42.4	63.6



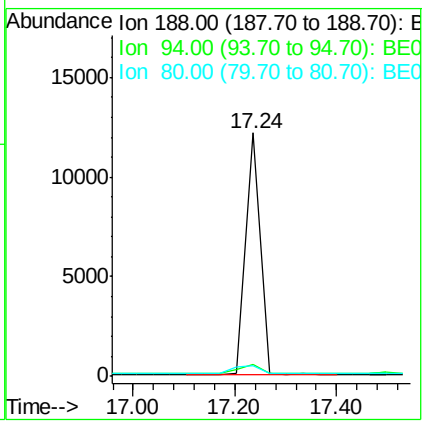


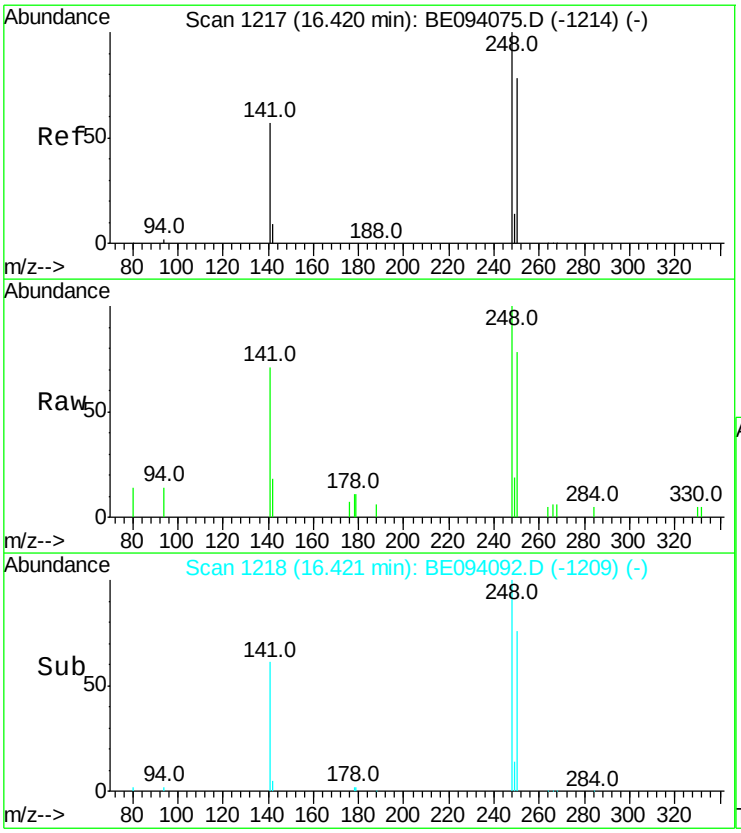
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:188 Resp: 24319

Ion	Ratio	Lower	Upper
188	100		
94	4.6	3.9	5.9
80	4.3	3.6	5.4

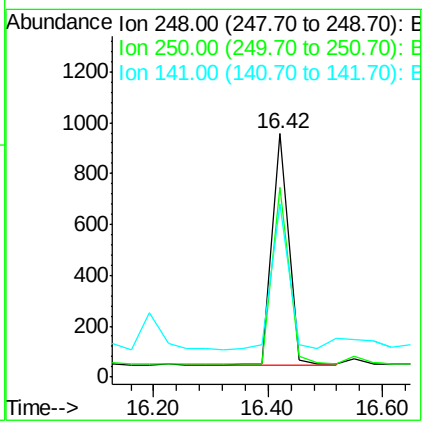


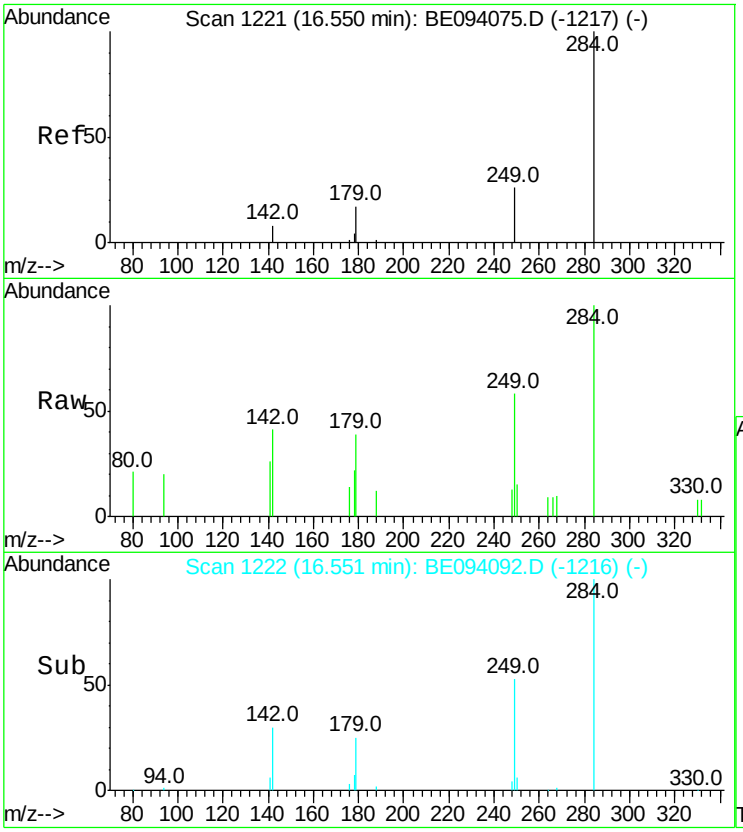


#20
4-Bromophenyl-phenylether
Concen: 0.142 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:248 Resp: 1848

Ion	Ratio	Lower	Upper
248	100		
250	78.0	62.7	94.1
141	71.3	48.2	72.2



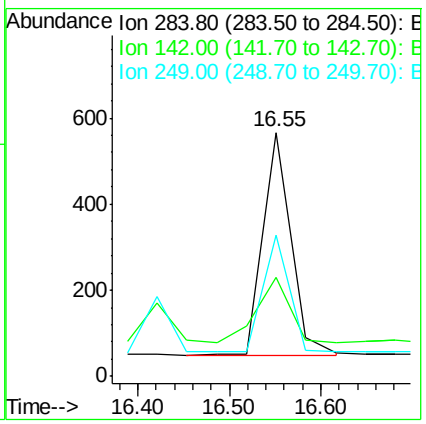


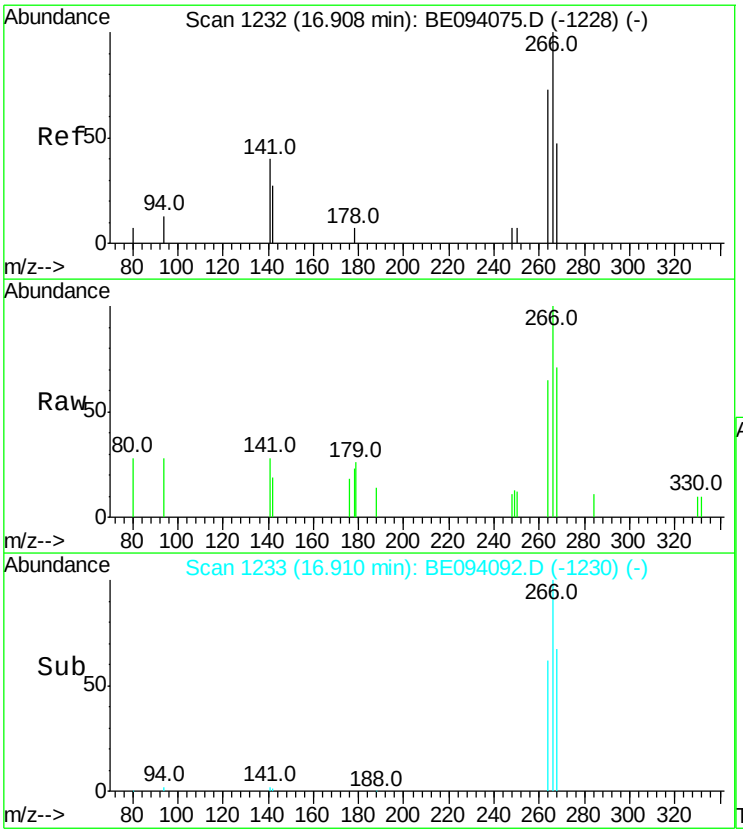
#21
Hexachlorobenzene
Concen: 0.115 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:284 Resp: 1101

Ion	Ratio	Lower	Upper
284	100		
142	35.9	22.1	33.1#
249	48.5	34.8	52.2

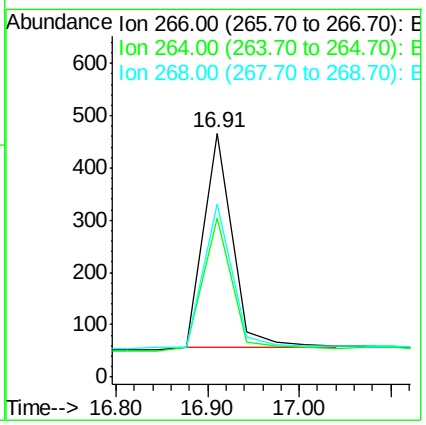


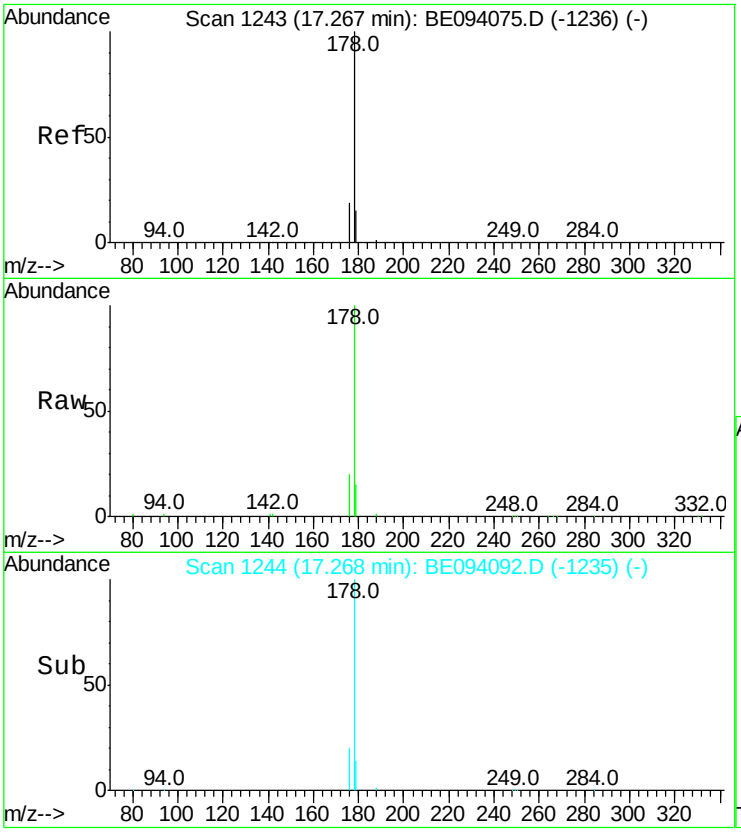


#22
Pentachlorophenol
Concen: 1.319 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:266 Resp: 896

Ion	Ratio	Lower	Upper
266	100		
264	65.2	72.5	108.7#
268	71.2	73.8	110.6#



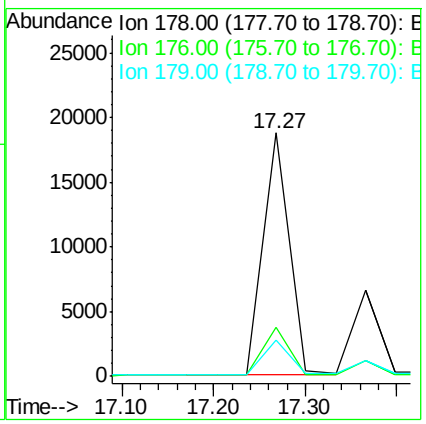


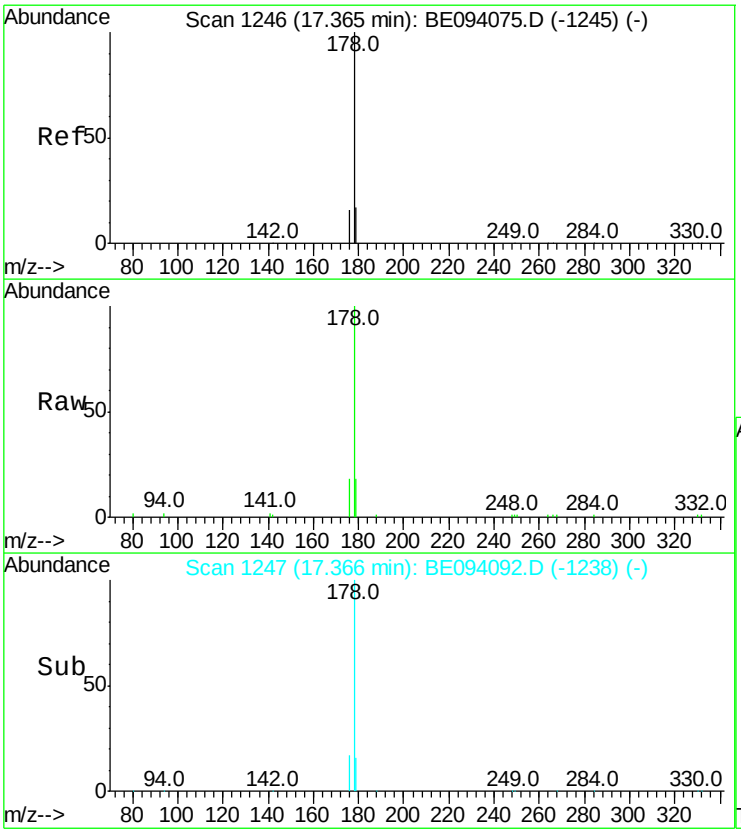
#23
Phenanthrene
Concen: 0.432 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:178 Resp: 37596

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	15.2	11.8	17.6

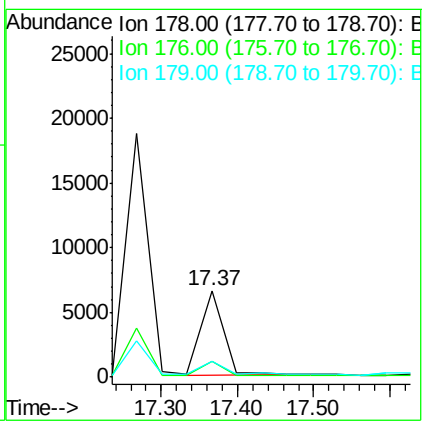


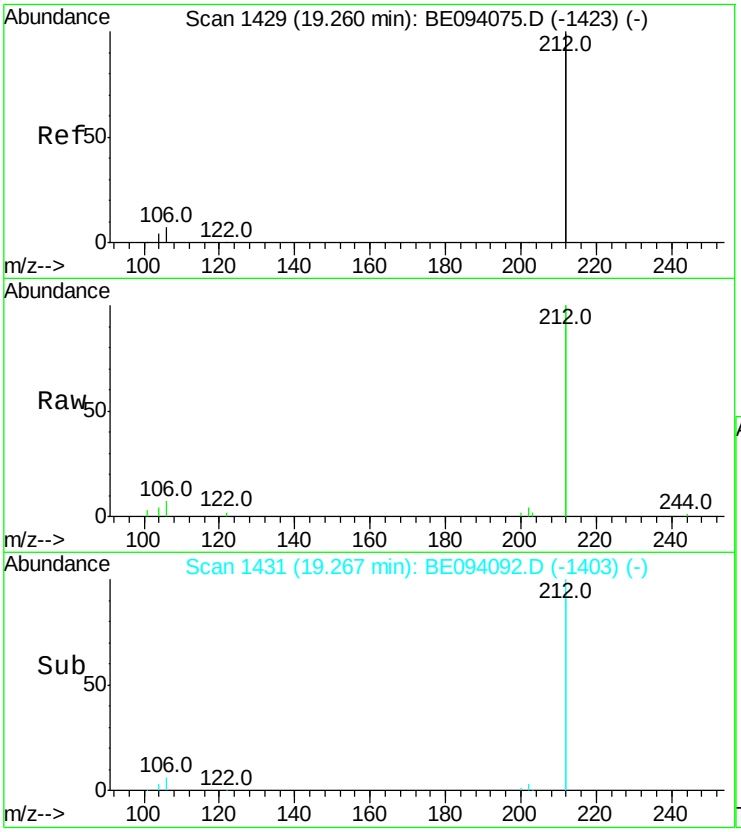


#24
Anthracene
Concen: 0.202 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:178 Resp: 13548

Ion	Ratio	Lower	Upper
178	100		
176	16.1	12.8	19.2
179	18.5	13.0	19.6



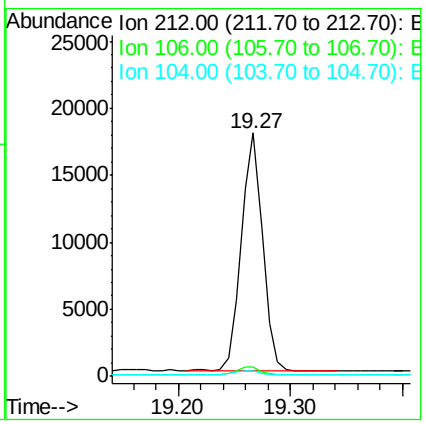


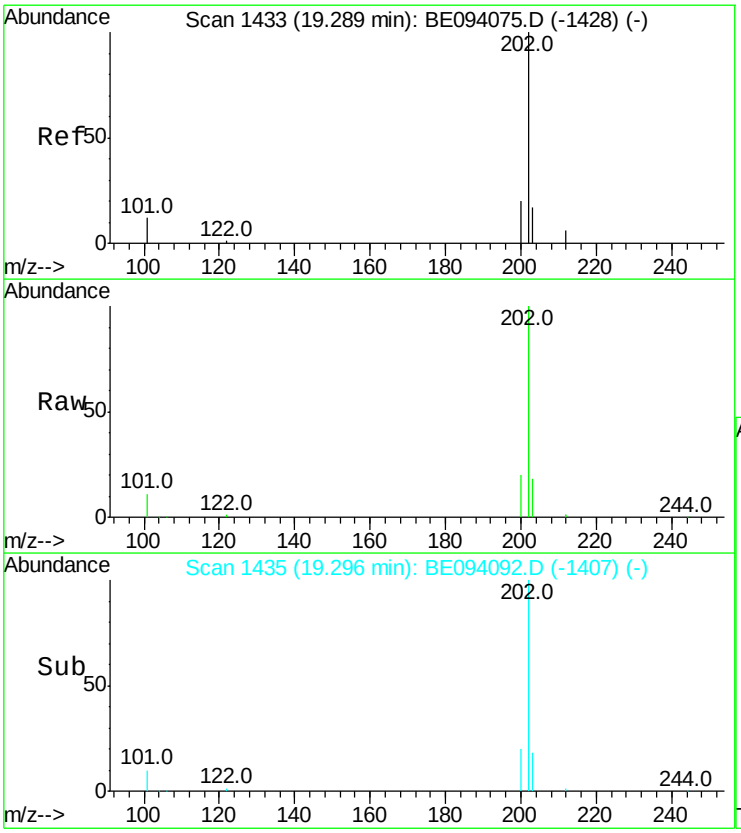
#25
Fluoranthene-d10
Concen: 0.075 ng
RT: 19.27 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:212 Resp: 23388

Ion	Ratio	Lower	Upper
212	100		
106	3.6	2.8	4.2
104	2.0	1.6	2.4

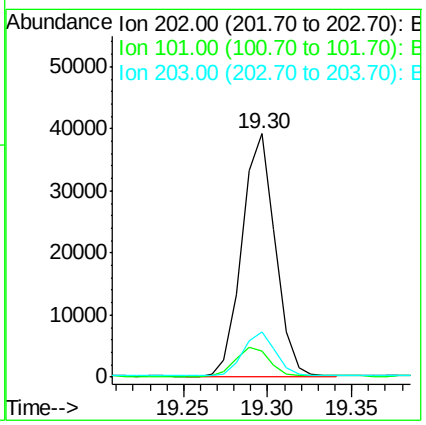


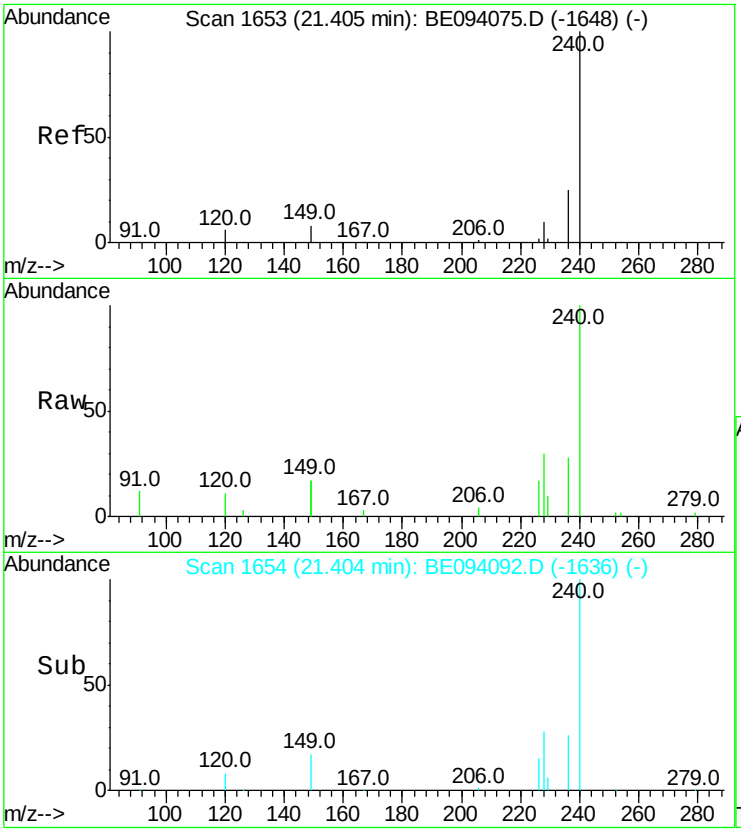


#26
Fluoranthene
Concen: 0.575 ng
RT: 19.30 min Scan# 1435
Delta R.T. 0.01 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:202 Resp: 53711

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.8
203	17.5	13.7	20.5



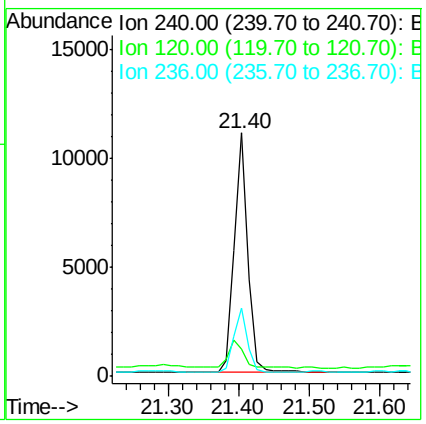


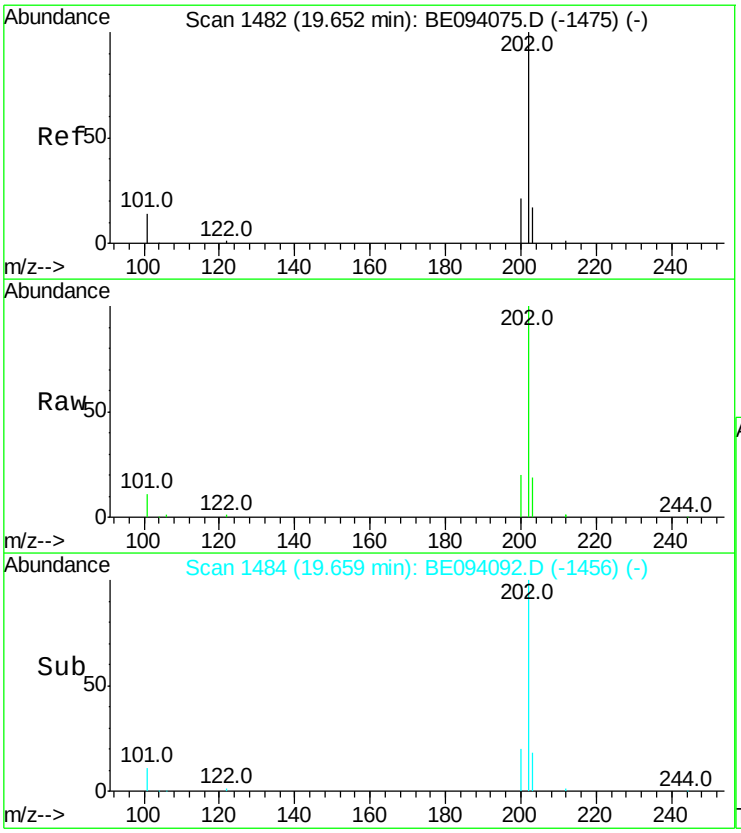
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:240 Resp: 14793

Ion	Ratio	Lower	Upper
240	100		
120	11.1	5.5	8.3#
236	27.8	20.7	31.1

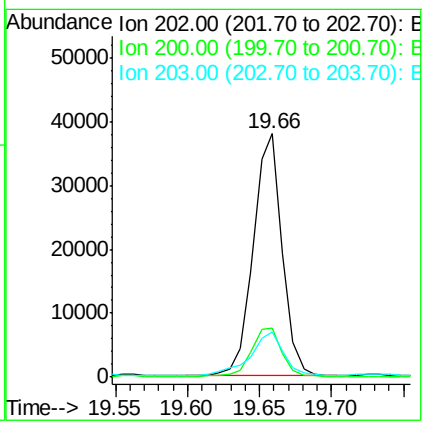


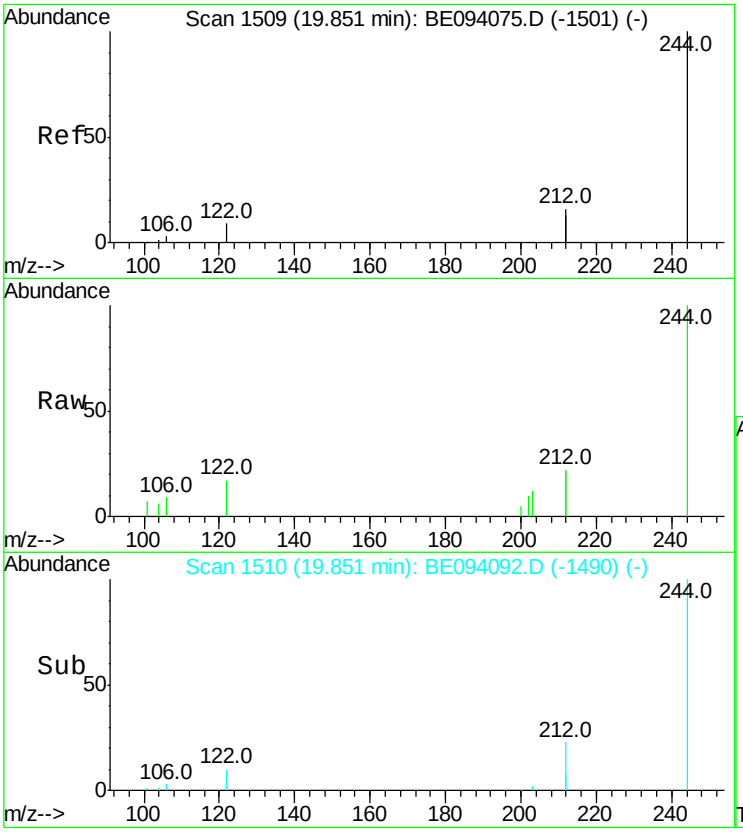


#28
Pyrene
Concen: 1.302 ng
RT: 19.66 min Scan# 1484
Delta R.T. 0.01 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:202 Resp: 53281

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	21.0	13.8	20.8#



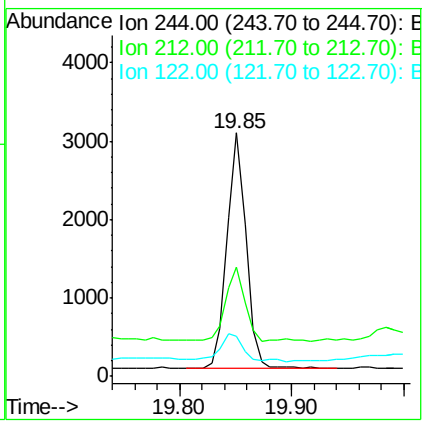


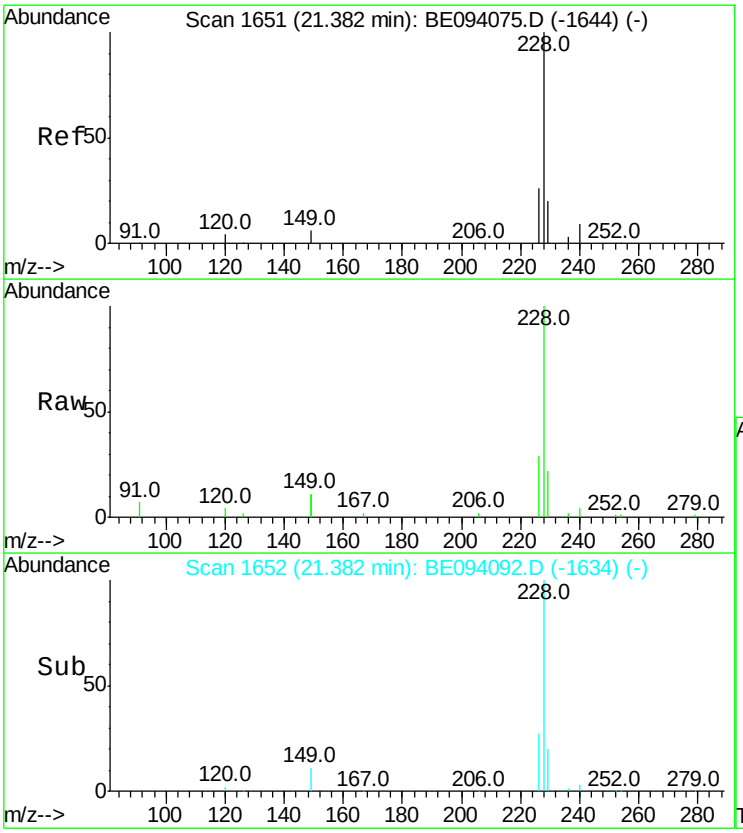
#29
Terphenyl-d14
Concen: 0.154 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:244 Resp: 3563

Ion	Ratio	Lower	Upper
244	100		
212	45.0	25.4	38.0#
122	16.7	8.1	12.1#

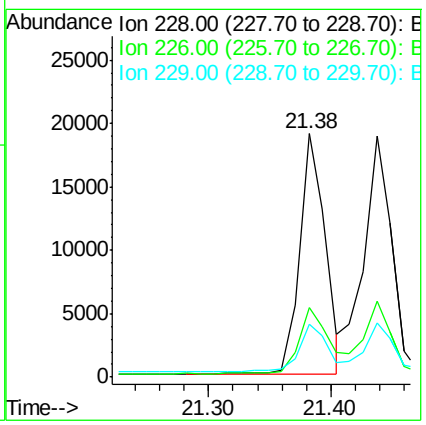


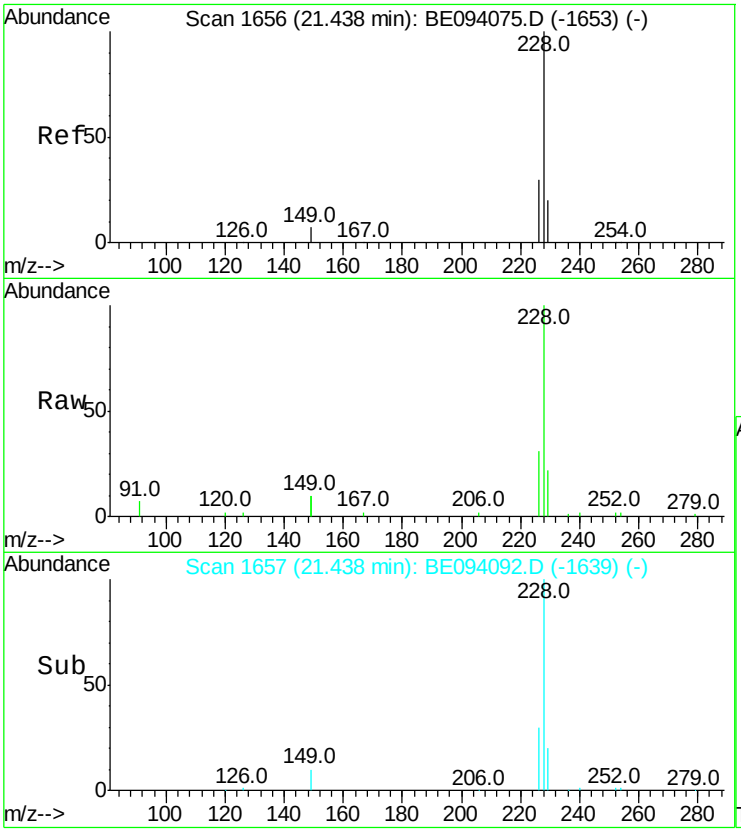


#30
Benzo(a)anthracene
Concen: 0.551 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:228 Resp: 27304

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.4	32.0
229	21.8	16.4	24.6



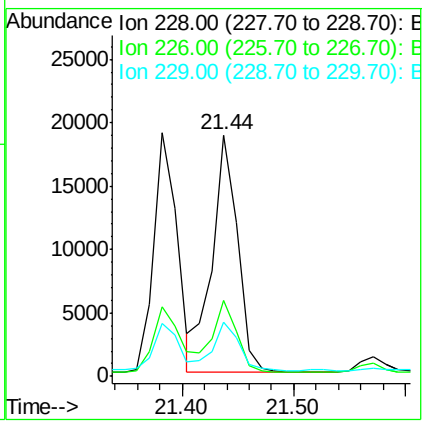


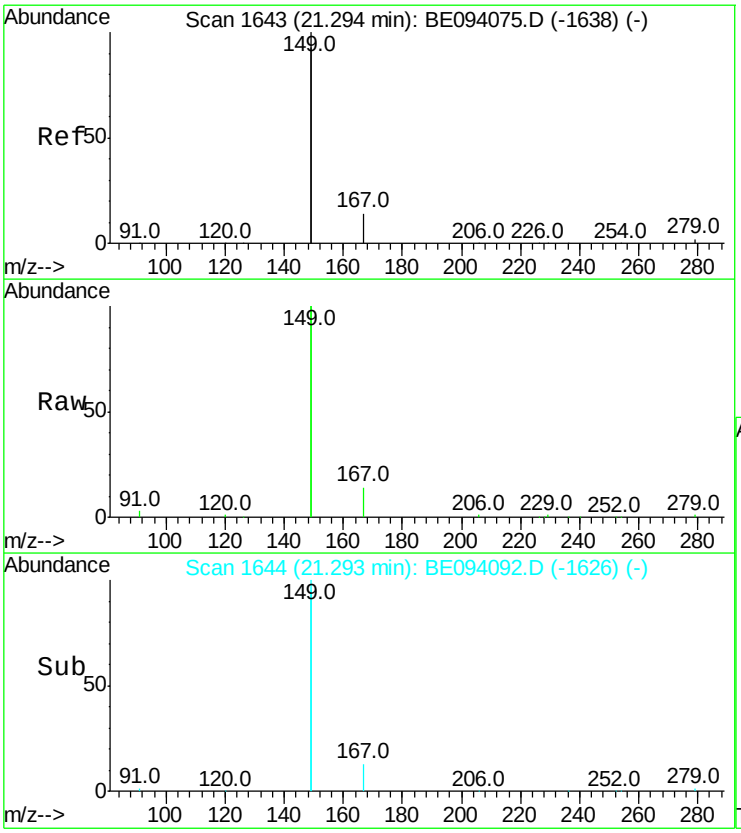
#31
Chrysene
Concen: 0.615 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:228 Resp: 29871

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.6	35.4
229	22.3	16.4	24.6

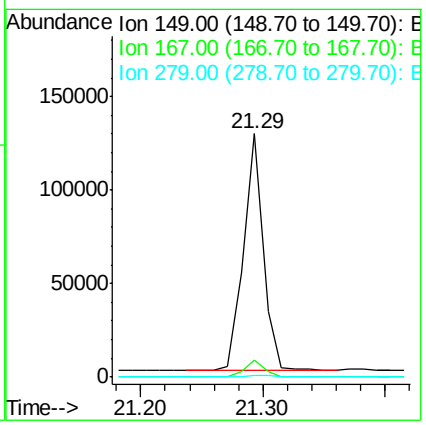


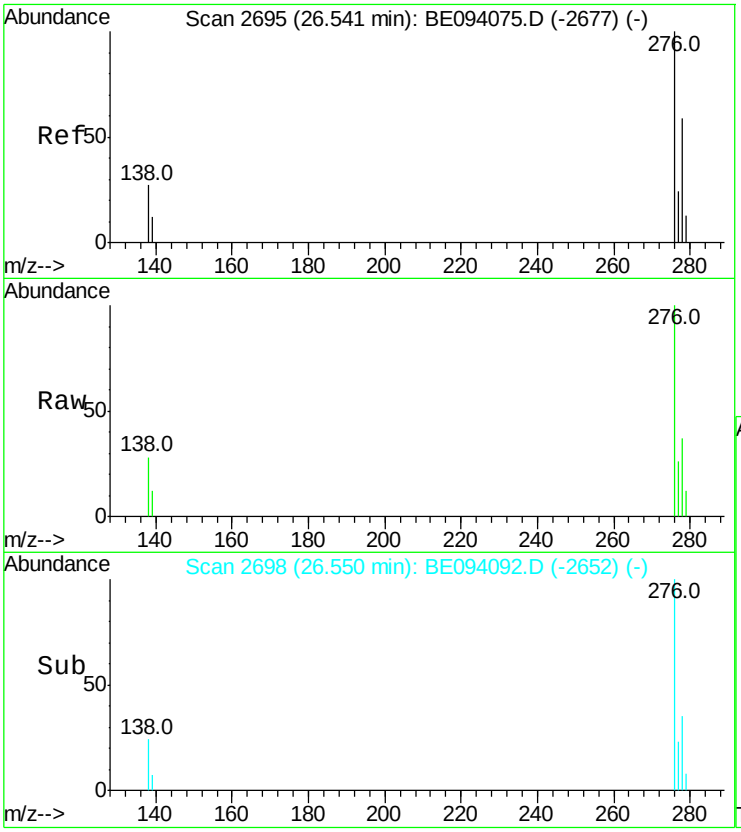


#32
Bis(2-ethylhexyl)phthalate
Concen: 1.079 ng
RT: 21.29 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:149 Resp: 143605

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	0.9	0.7	1.1



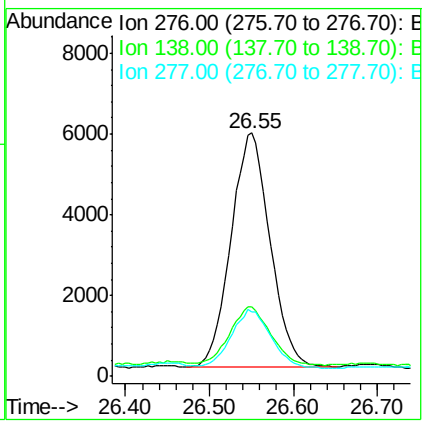


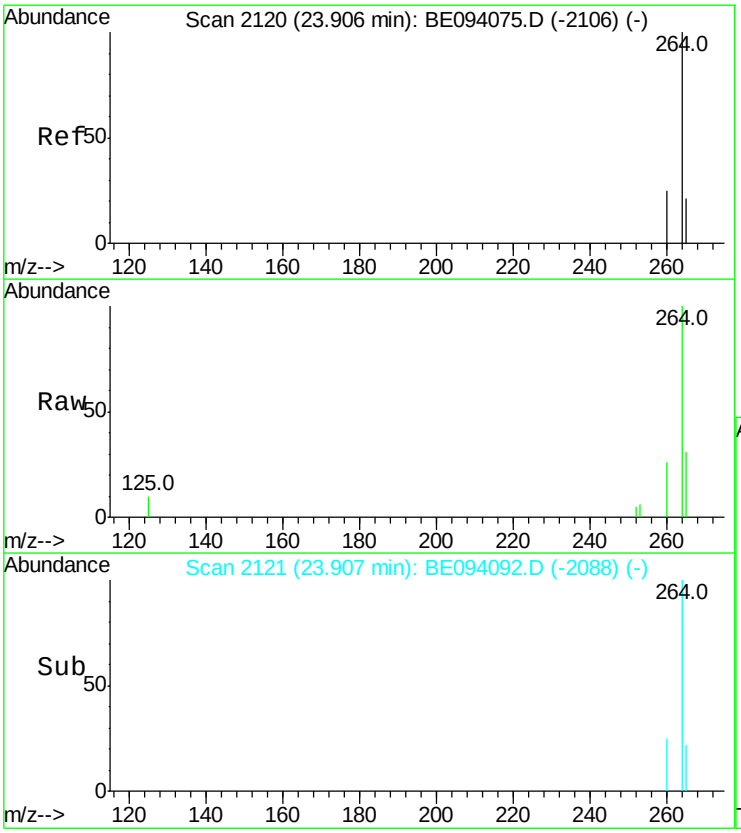
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.494 ng
RT: 26.55 min Scan# 2698
Delta R.T. 0.01 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:276 Resp: 18553

Ion	Ratio	Lower	Upper
276	100		
138	25.8	22.5	33.7
277	25.3	19.9	29.9

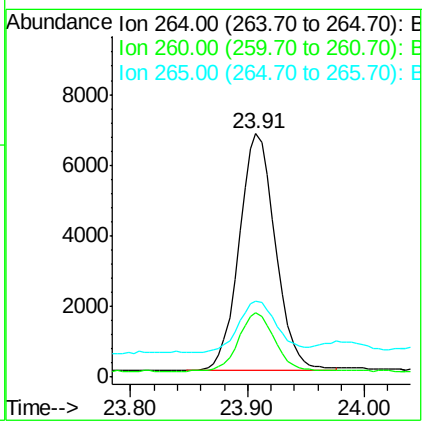


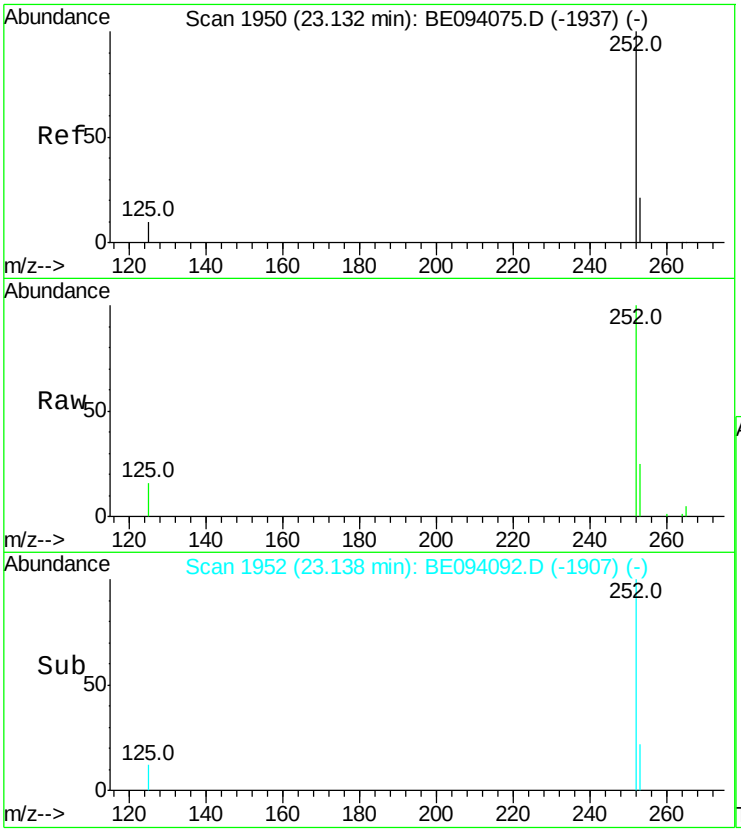


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2121
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:264 Resp: 14467

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	31.0	22.8	34.2



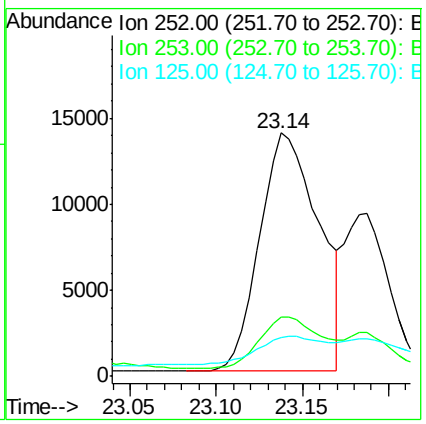


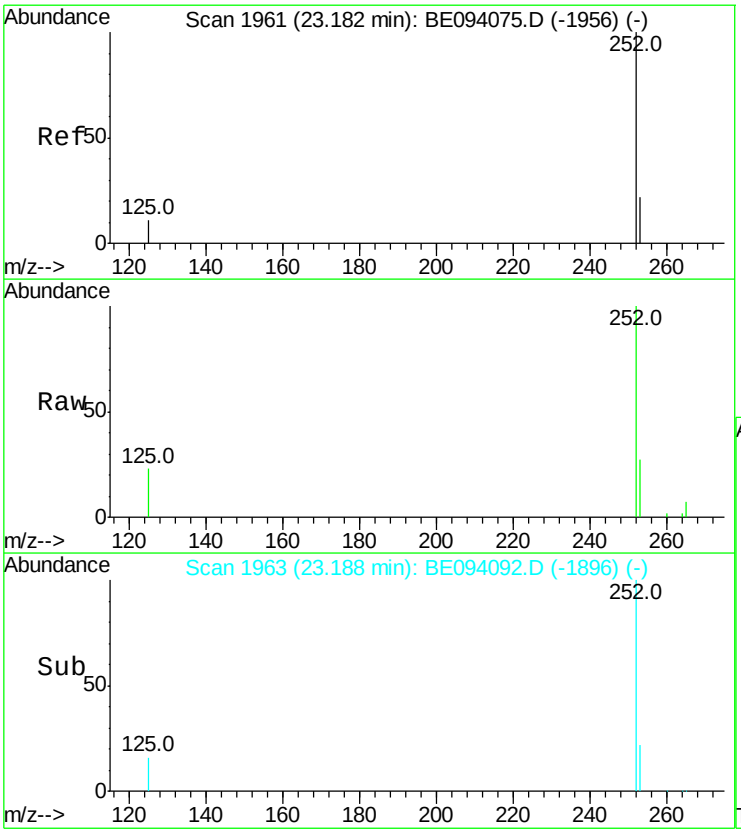
#35
Benzo(b)fluoranthene
Concen: 0.631 ng
RT: 23.14 min Scan# 1952
Delta R.T. 0.01 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:252 Resp: 33032

Ion	Ratio	Lower	Upper
252	100		
253	24.6	18.2	27.2
125	16.2	10.1	15.1#

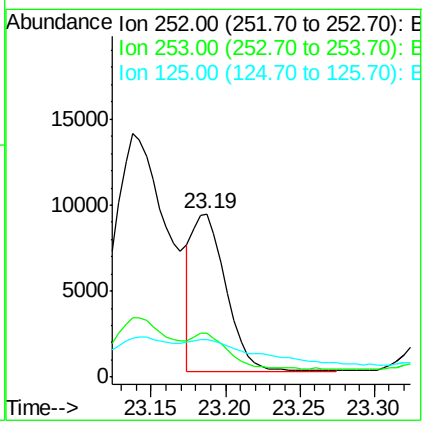


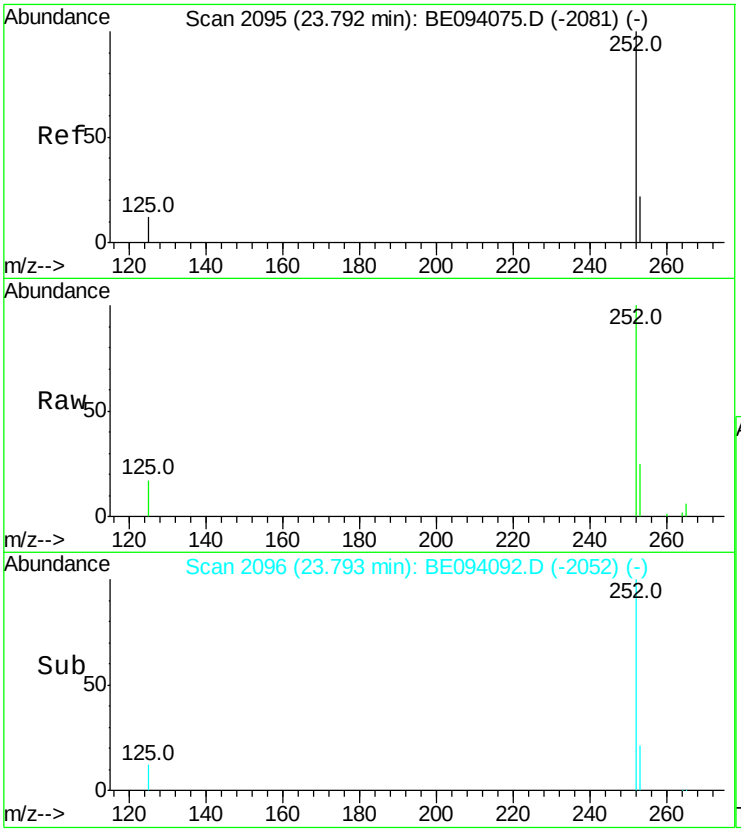


#36
Benzo(k)fluoranthene
Concen: 0.274 ng
RT: 23.19 min Scan# 1963
Delta R.T. 0.01 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:252 Resp: 14369

Ion	Ratio	Lower	Upper
252	100		
253	26.9	18.6	27.8
125	22.9	10.7	16.1#



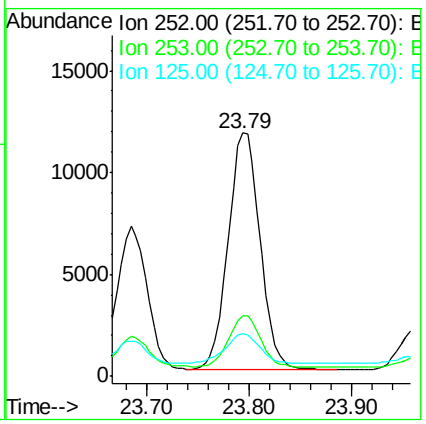


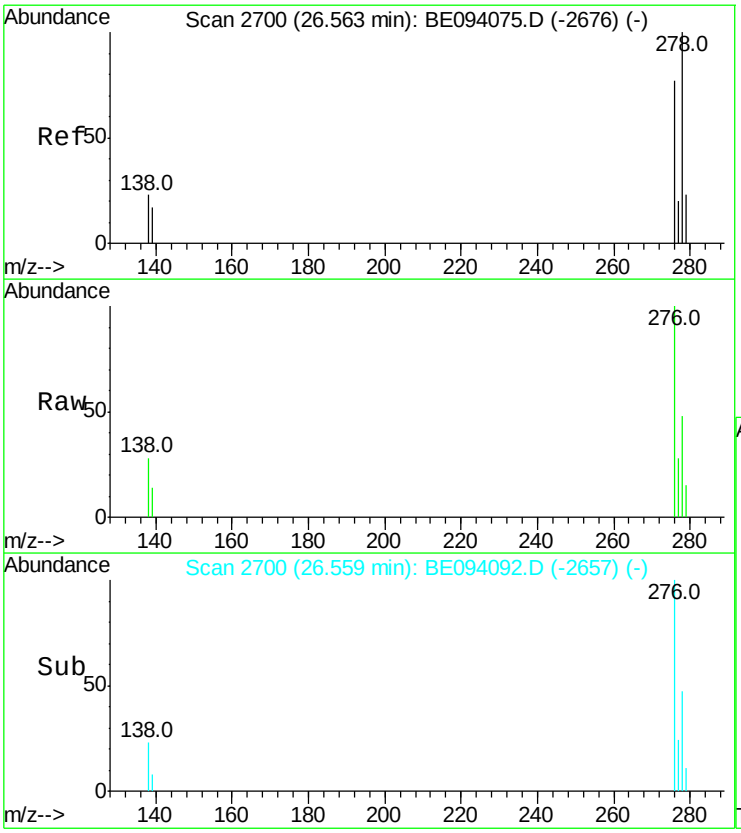
#37
Benzo(a)pyrene
Concen: 0.535 ng
RT: 23.79 min Scan# 2096
Delta R.T. 0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:252 Resp: 25150

Ion	Ratio	Lower	Upper
252	100		
253	25.0	19.0	28.6
125	17.4	11.8	17.8

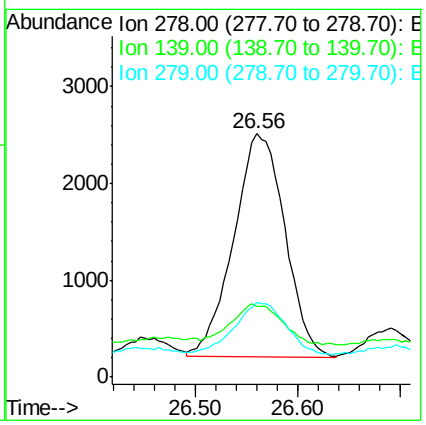


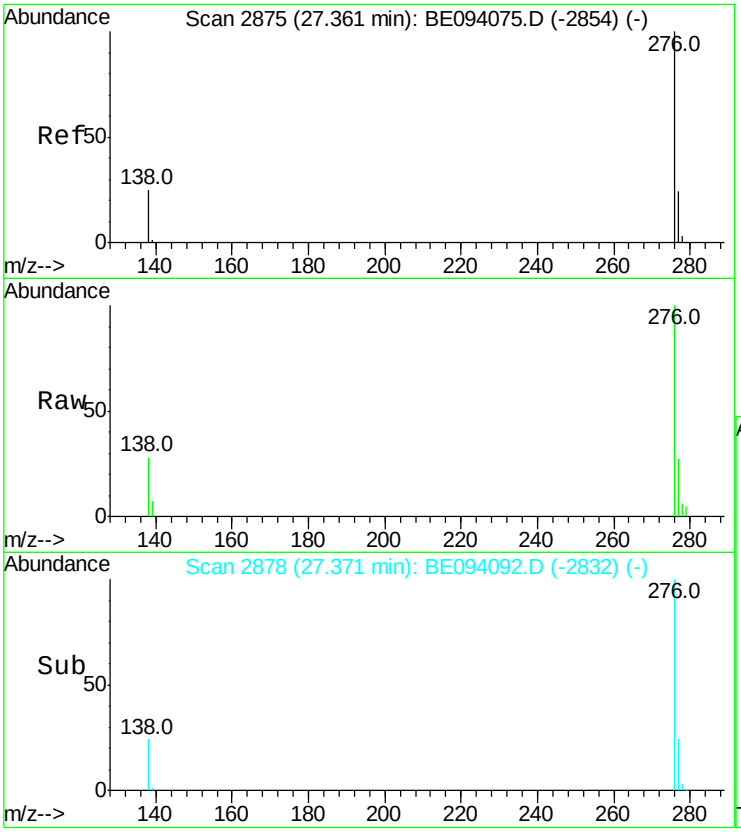


#38
Dibenzo(a,h)anthracene
Concen: 0.213 ng
RT: 26.56 min Scan# 2700
Delta R.T. -0.00 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Tgt Ion:278 Resp: 8011

Ion	Ratio	Lower	Upper
278	100		
139	29.2	16.3	24.5#
279	30.8	19.9	29.9#





#39
Benzo(g,h,i)perylene
Concen: 0.480 ng
RT: 27.37 min Scan# 2878
Delta R.T. 0.01 min
Lab File: BE094092.D
Acq: 23 Sep 2017 23:49

Instrument :
BNA_E
ClientSampleId :
LT-TS-012

Tgt Ion:276 Resp: 18057

Ion	Ratio	Lower	Upper
276	100		
277	27.2	20.8	31.2
138	28.2	21.5	32.3