Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092817\
Data File : BE094137.D
Acq On : 28 Sep 2017 19:29
Operator : SJ/JU
Sample : PB102676BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB102676BSD

Quant Time: Sep 29 01:50:05 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	1619	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	7329	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	4061	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	15634	0.40	ng		0.00
27) Chrysene-d12	21.40	240	14411	0.40	ng		0.00
34) Perylene-d12	23.91	264	13709	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	1832	0.30	ng		0.00
5) Phenol-d6	7.09	99	2432	0.29	ng		0.00
8) Nitrobenzene-d5	9.06	82	2091	0.29	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	3783	0.33	ng		0.00
14) 2,4,6-Tribromophenol	16.00	330	456	0.17	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	4761	0.35	ng		0.00
25) Fluoranthene-d10	19.27	212	52103	0.34	ng		0.00
29) Terphenyl-d14	19.85	244	8822	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.43	88	797	0.253	ng	#	17
3) n-Nitrosodimethylamine	3.73	42	1104	0.274	ng	#	88
6) bis(2-Chloroethyl)ether	7.33	93	1811	0.274	ng		88
9) Naphthalene	10.74	128	24662	0.298	ng		100
10) Hexachlorobutadiene	11.03	225	894	0.288	ng		97
12) 2-Methylnaphthalene	12.35	142	4036	0.301	ng		98
16) Acenaphthylene	14.23	152	6120	0.301	ng		99
17) Acenaphthene	14.57	154	4108	0.323	ng		98
18) Fluorene	15.56	166	5370	0.311	ng		100
20) 4-Bromophenyl-phenylether	16.42	248	1776	0.277	ng	#	81
21) Hexachlorobenzene	16.55	284	1330	0.329	ng	#	84
22) Pentachlorophenol	16.91	266	1305	0.352	ng	#	72
23) Phenanthrene	17.27	178	12836	0.321	ng		98
24) Anthracene	17.37	178	13104	0.312	ng		98
26) Fluoranthene	19.30	202	13872	0.309	ng		100
28) Pyrene	19.66	202	14570	0.319	ng		99
30) Benzo(a)anthracene	21.38	228	15246	0.314	ng		97
31) Chrysene	21.44	228	14389	0.307	ng		98
32) Bis(2-ethylhexyl)phthalate	21.29	149	36947	0.045	ng		99
33) Indeno(1,2,3-cd)pyrene	26.56	276	15214	0.304	ng		98
35) Benzo(b)fluoranthene	23.14	252	14527	0.294	ng		96
36) Benzo(k)fluoranthene	23.19	252	14513	0.306	ng		99
37) Benzo(a)pyrene	23.80	252	13861	0.310	ng		97
38) Dibenzo(a,h)anthracene	26.57	278	12667	0.299	ng		97
39) Benzo(g,h,i)perylene	27.37	276	12808	0.306	ng		99

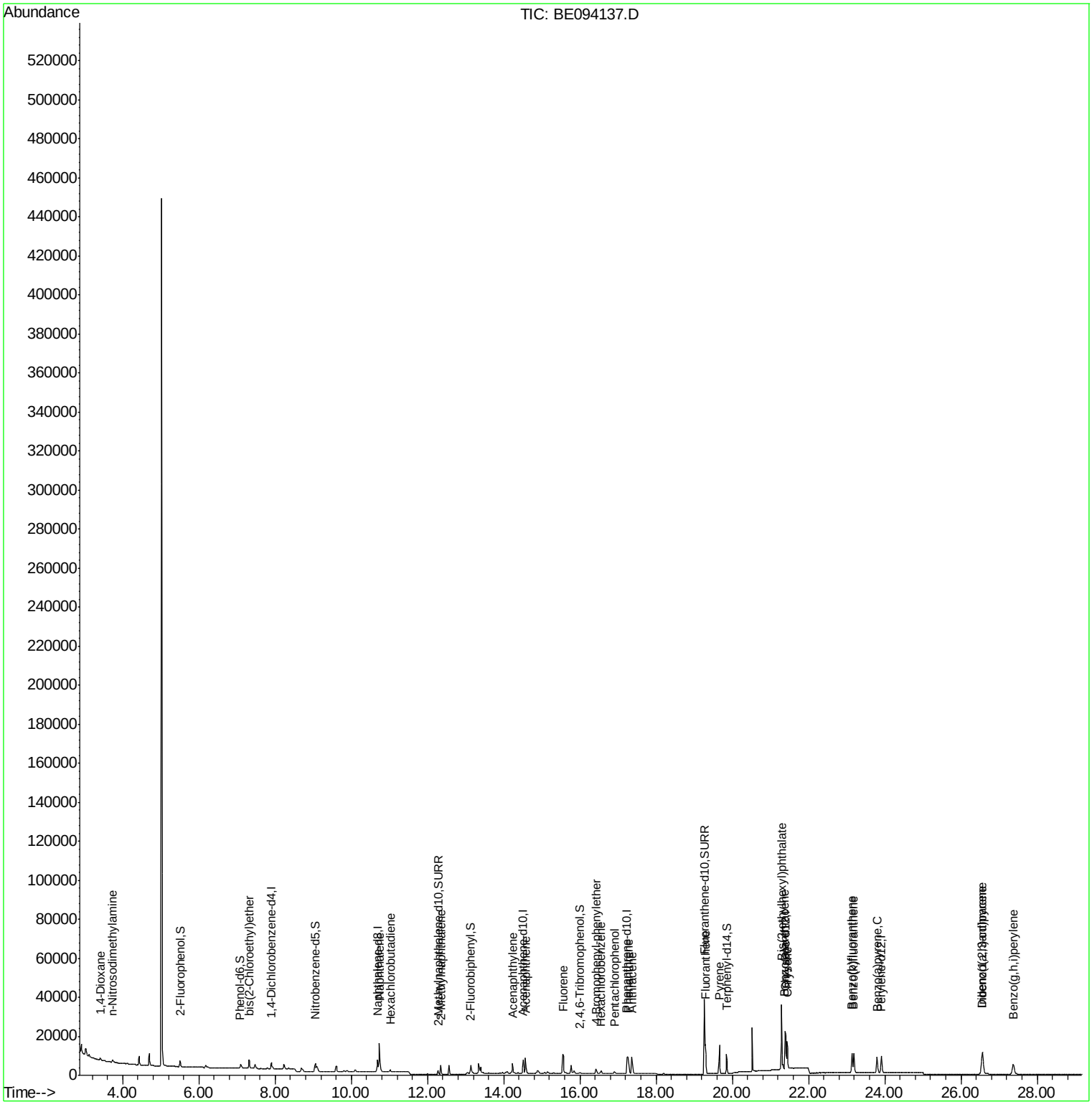
(#) = qualifier out of range (m) = manual integration (+) = signals summed

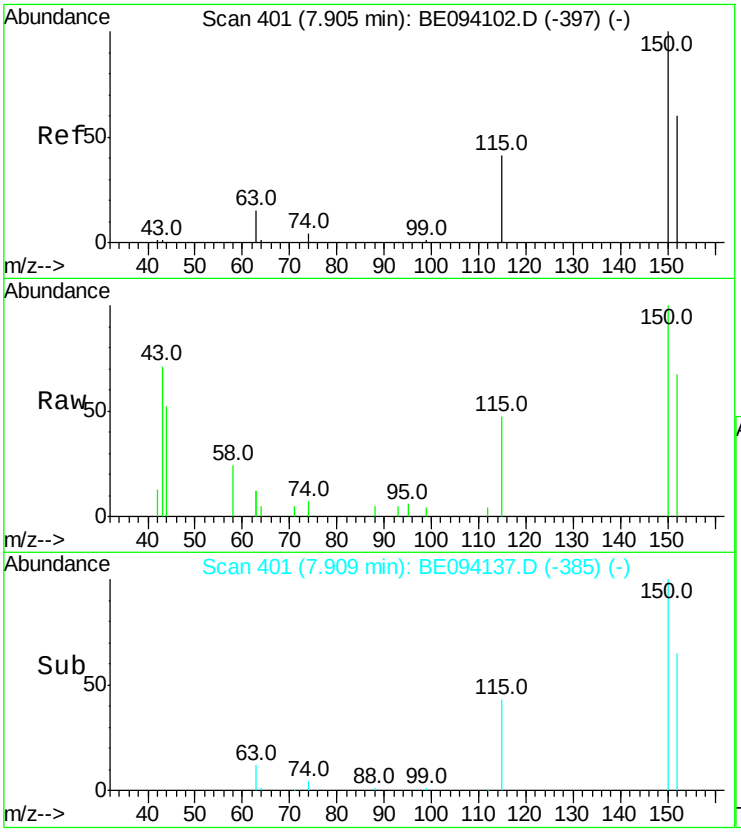
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE092817\
Data File : BE094137.D
Acq On : 28 Sep 2017 19:29
Operator : SJ/JU
Sample : PB102676BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Quant Time: Sep 29 01:50:05 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



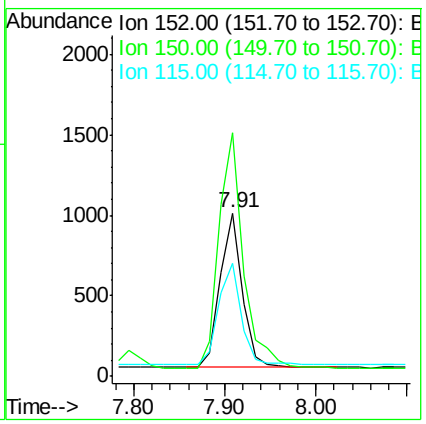


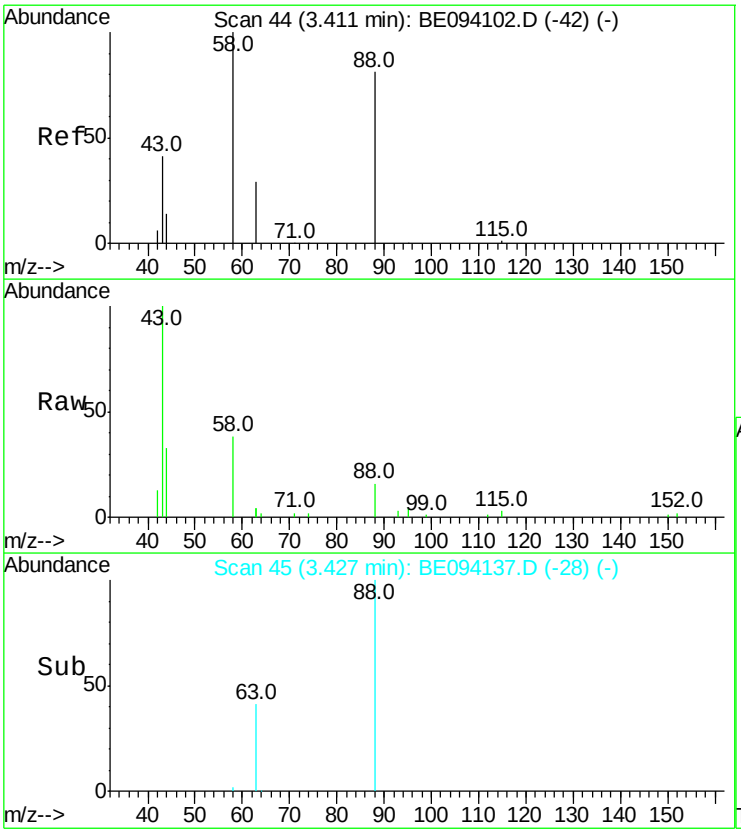
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:152 Resp: 1619

Ion	Ratio	Lower	Upper
152	100		
150	149.1	117.2	175.8
115	69.6	57.0	85.6

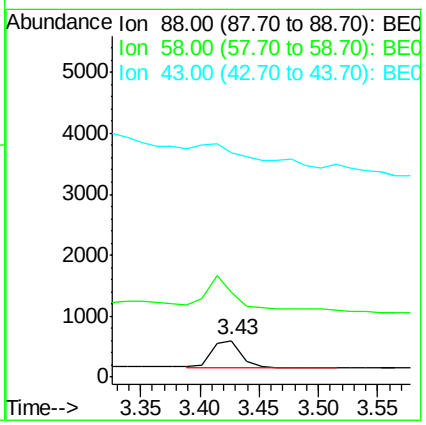


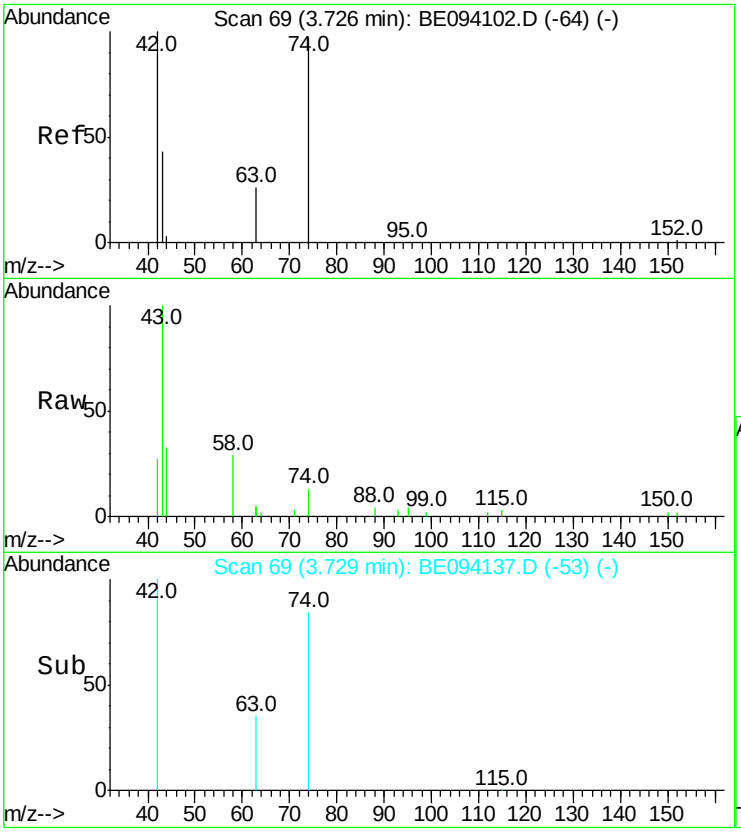


#2
1,4-Dioxane
Concen: 0.253 ng
RT: 3.43 min Scan# 45
Delta R.T. 0.02 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion: 88 Resp: 797

Ion	Ratio	Lower	Upper
88	100		
58	157.6	63.2	94.8#
43	0.0	41.2	61.8#



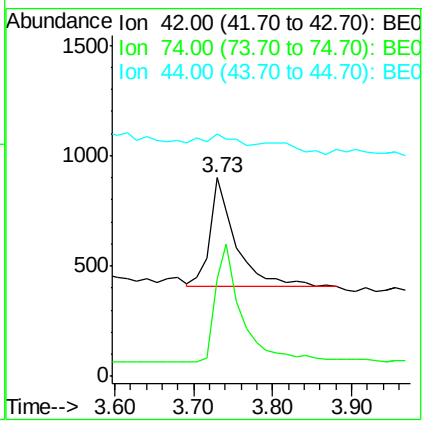


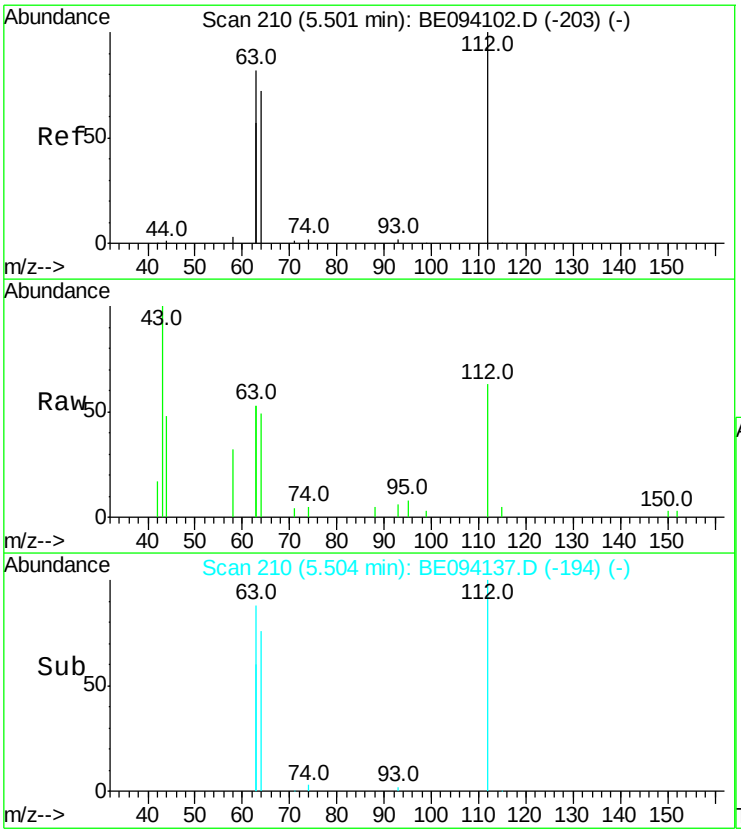
#3
n-Nitrosodimethylamine
Concen: 0.274 ng
RT: 3.73 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion: 42 Resp: 1104

Ion	Ratio	Lower	Upper
42	100		
74	114.4	100.3	150.5
44	8.5	17.0	25.4#

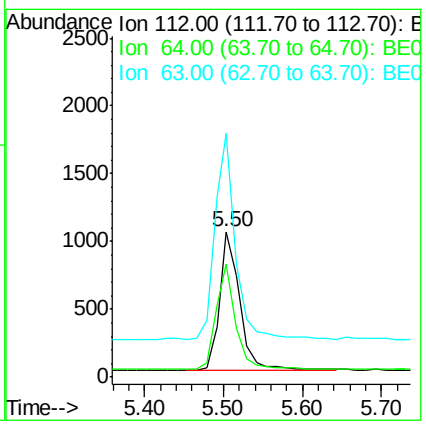


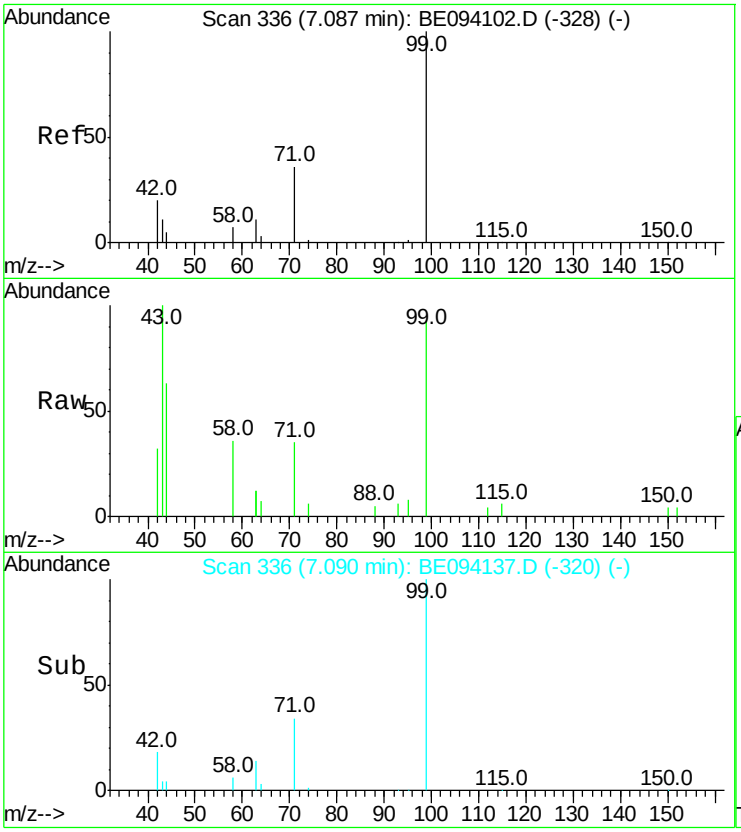


#4
2-Fluorophenol
Concen: 0.298 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:112 Resp: 1832

Ion	Ratio	Lower	Upper
112	100		
64	75.2	60.1	90.1
63	152.9	116.8	175.2



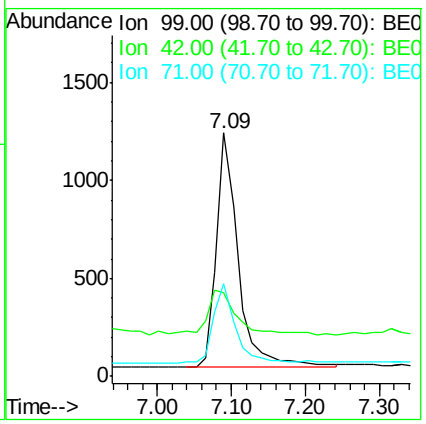


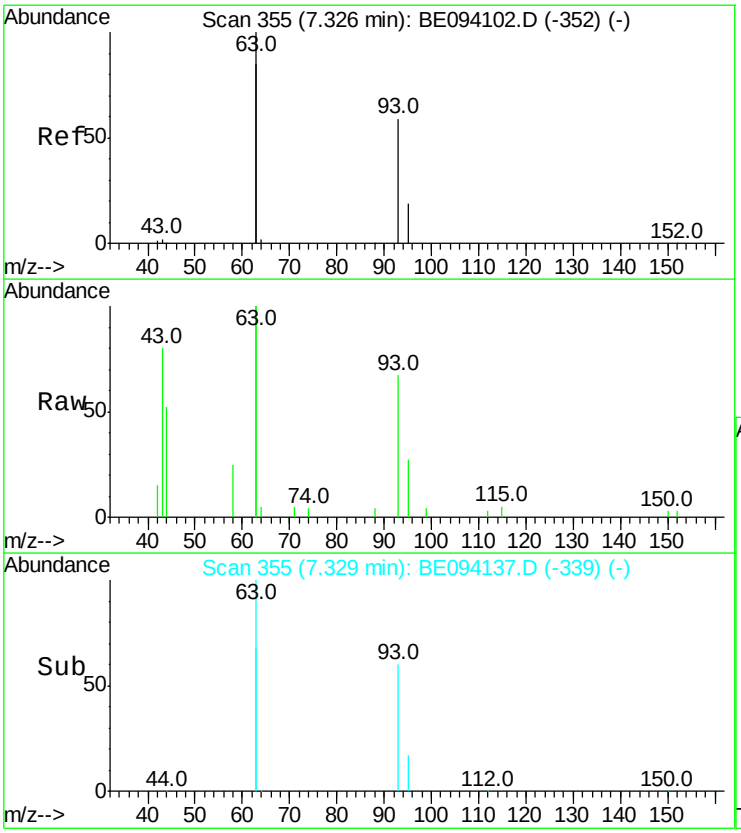
#5
Phenol-d6
Concen: 0.285 ng
RT: 7.09 min Scan# 336
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion: 99 Resp: 2432

Ion	Ratio	Lower	Upper
99	100		
42	28.2	20.2	30.2
71	34.7	28.4	42.6

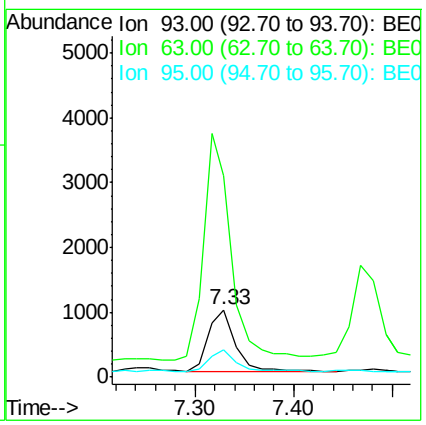


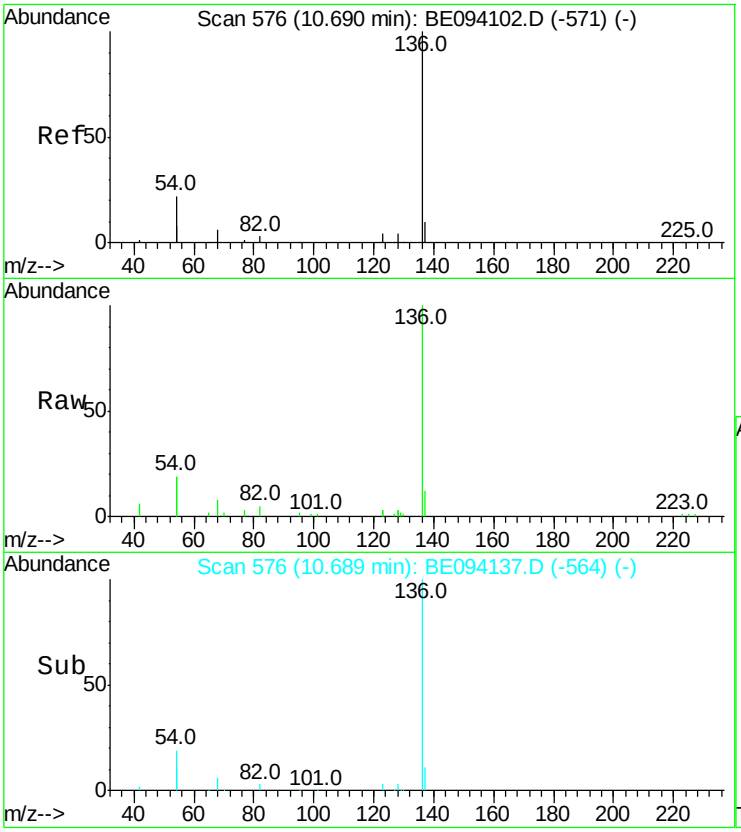


#6
bis(2-Chloroethyl)ether
Concen: 0.274 ng
RT: 7.33 min Scan# 355
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion: 93 Resp: 1811

Ion	Ratio	Lower	Upper
93	100		
63	370.9	275.3	412.9
95	36.1	25.2	37.8



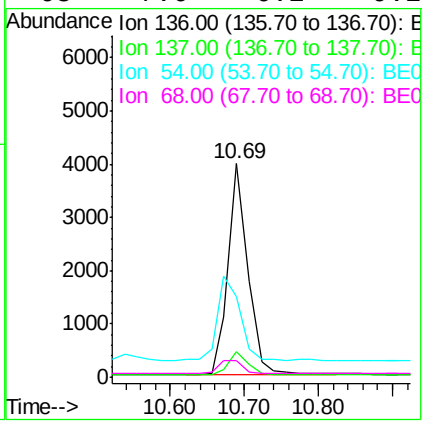


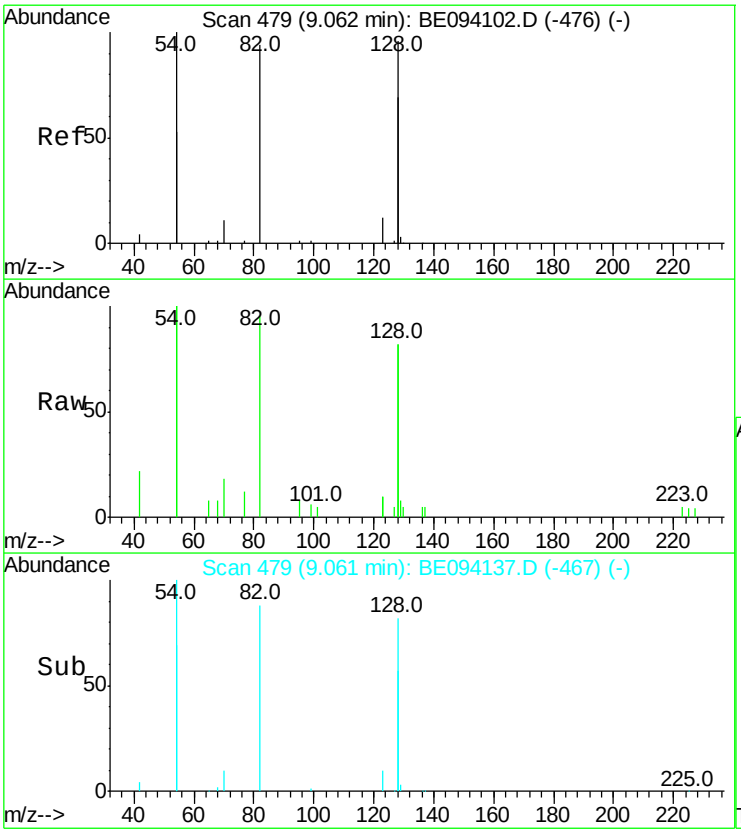
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:136 Resp: 7329

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	37.9	29.1	43.7
68	7.6	6.2	9.2

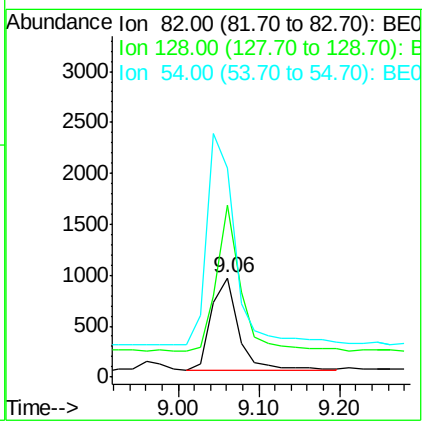


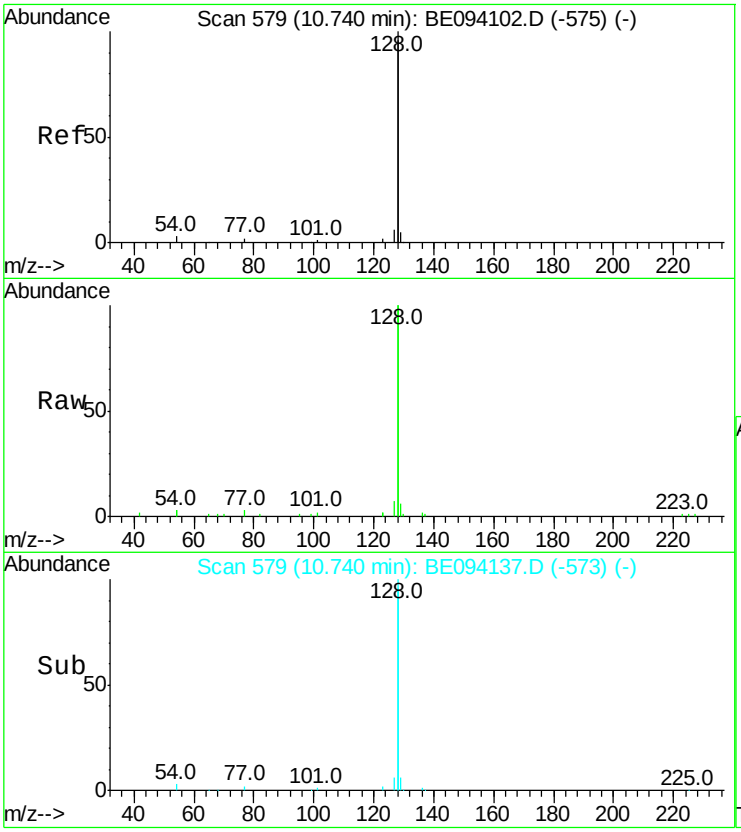


#8
Nitrobenzene-d5
Concen: 0.295 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion: 82 Resp: 2091

Ion	Ratio	Lower	Upper
82	100		
128	172.7	150.0	225.0
54	210.9	154.2	231.4



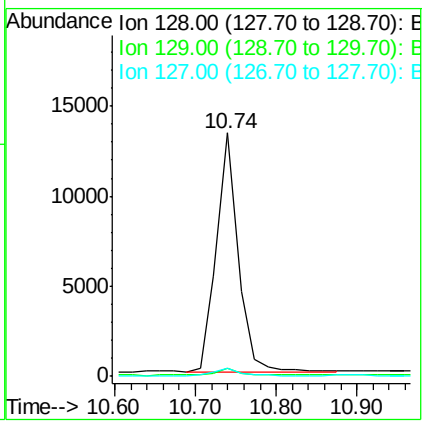


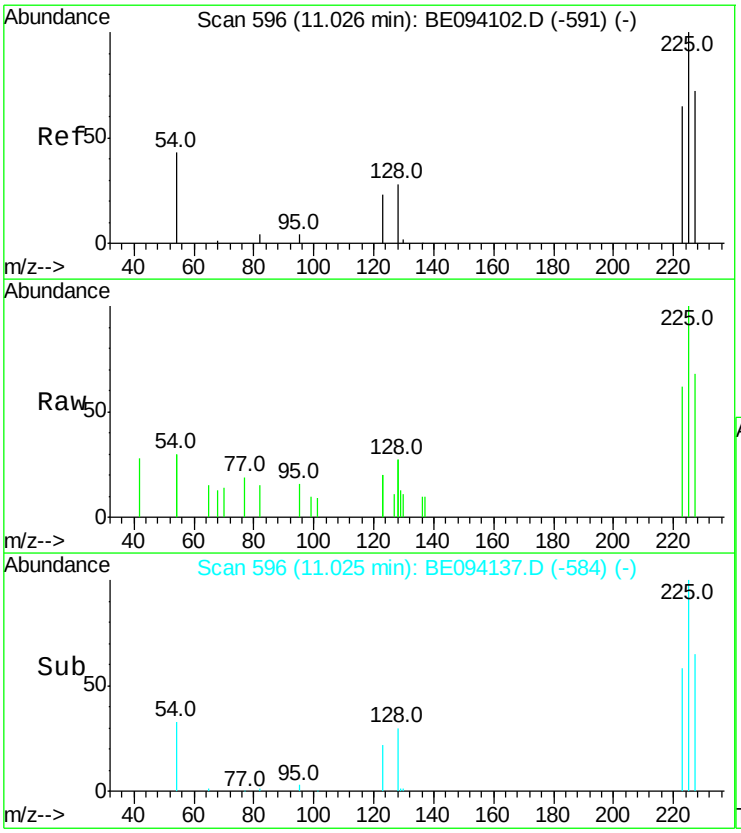
#9
Naphthalene
Concen: 0.298 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:128 Resp: 24662

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

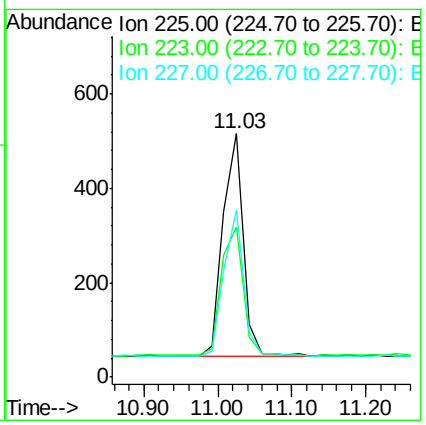


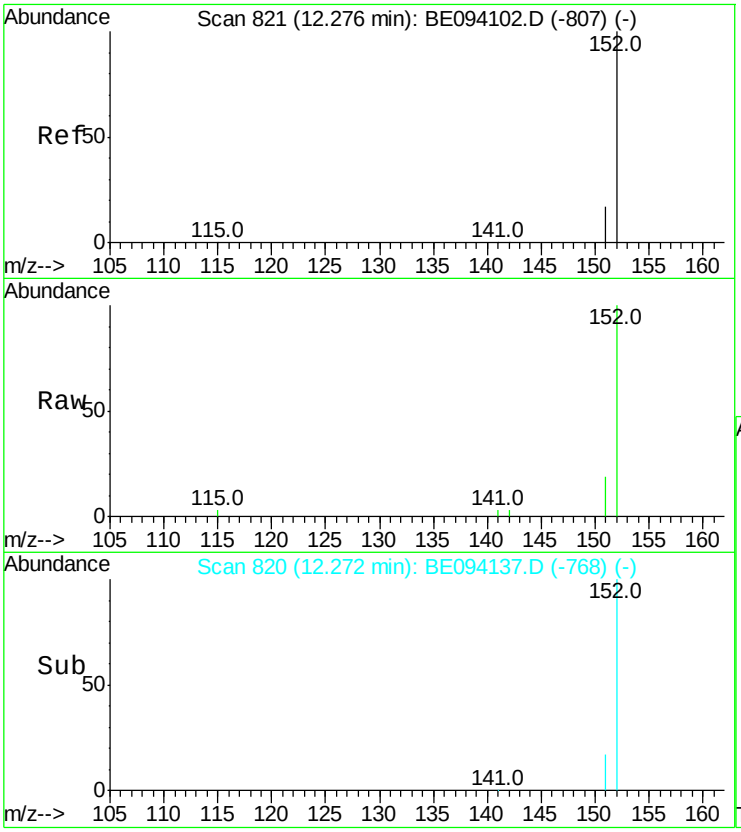


#10
Hexachlorobutadiene
Concen: 0.288 ng
RT: 11.03 min Scan# 596
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:225 Resp: 894

Ion	Ratio	Lower	Upper
225	100		
223	62.2	53.0	79.6
227	63.8	51.4	77.2



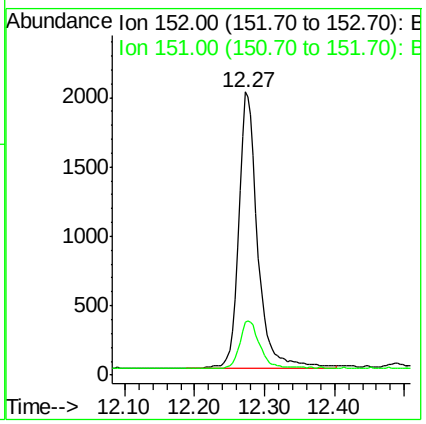


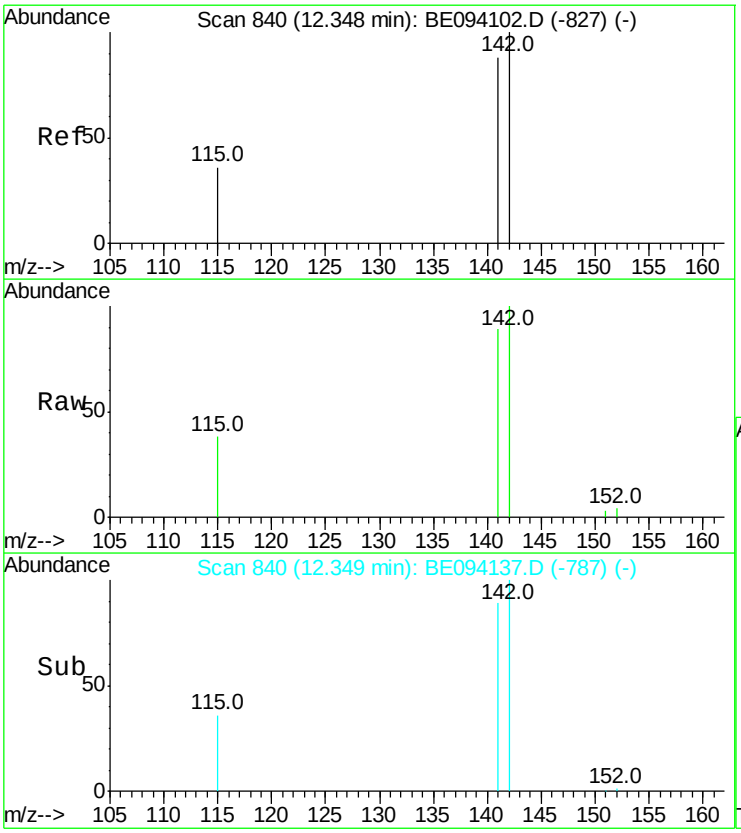
#11
2-Methylnaphthalene-d10
Concen: 0.335 ng
RT: 12.27 min Scan# 820
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:152 Resp: 3783

Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.4	23.0

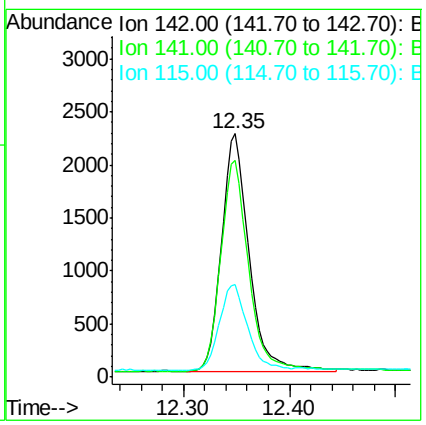


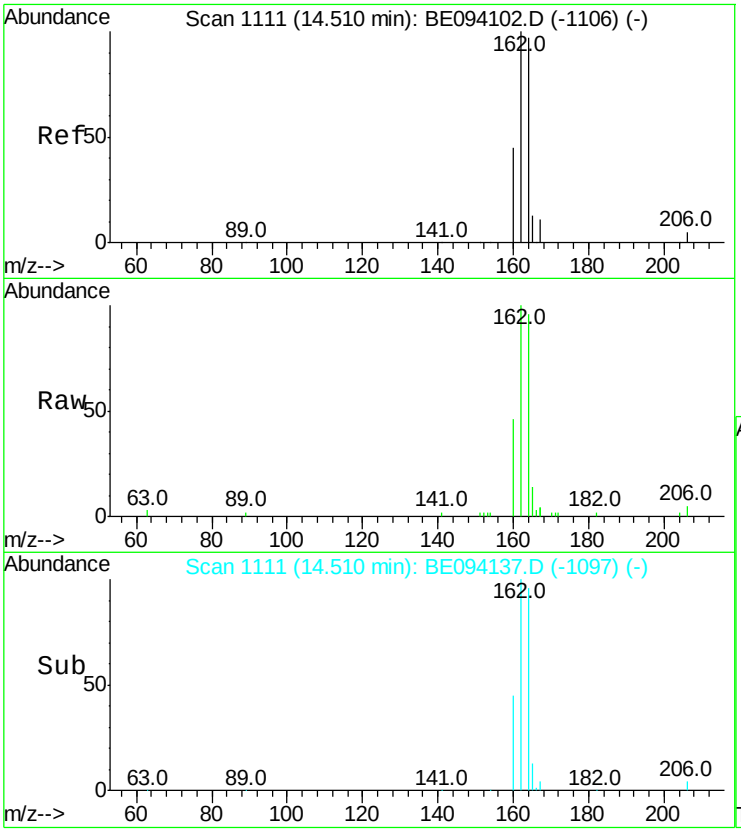


#12
2-Methylnaphthalene
Concen: 0.301 ng
RT: 12.35 min Scan# 840
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:142 Resp: 4036

Ion	Ratio	Lower	Upper
142	100		
141	88.9	70.4	105.6
115	37.8	31.7	47.5



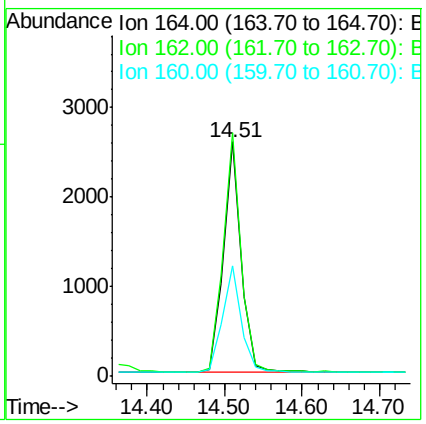


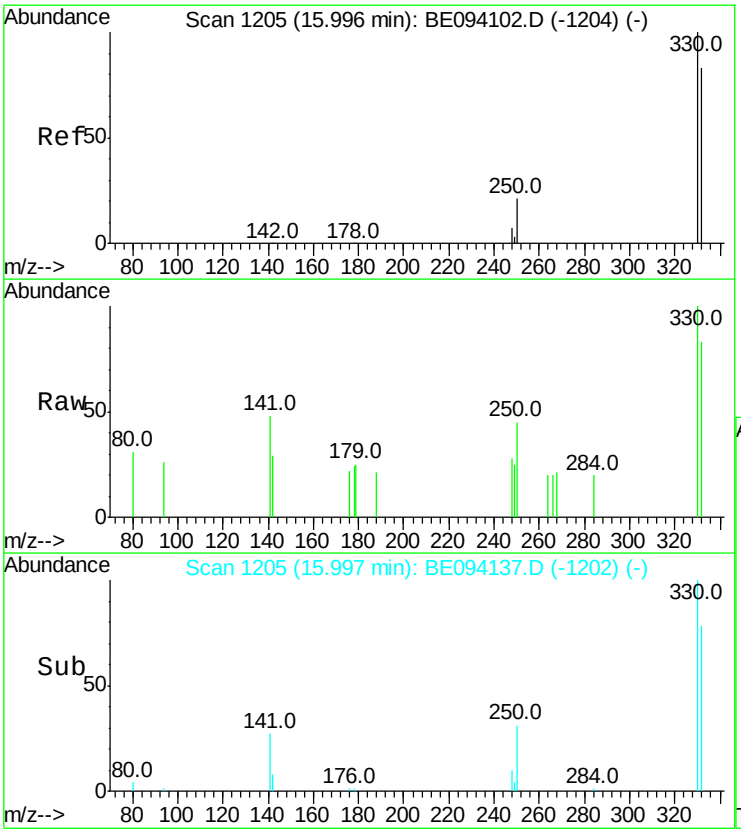
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument : BNA_E
ClientSampleId : PB102676BSD

Tgt Ion:164 Resp: 4061

Ion	Ratio	Lower	Upper
164	100		
162	104.0	83.1	124.7
160	47.4	37.1	55.7

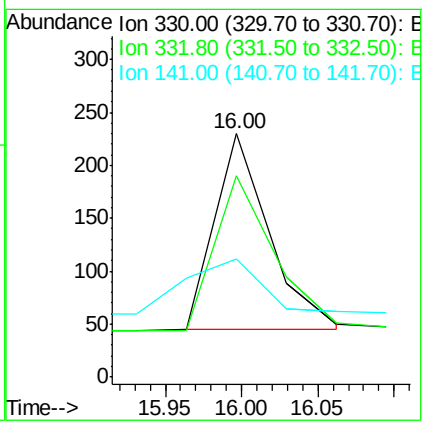


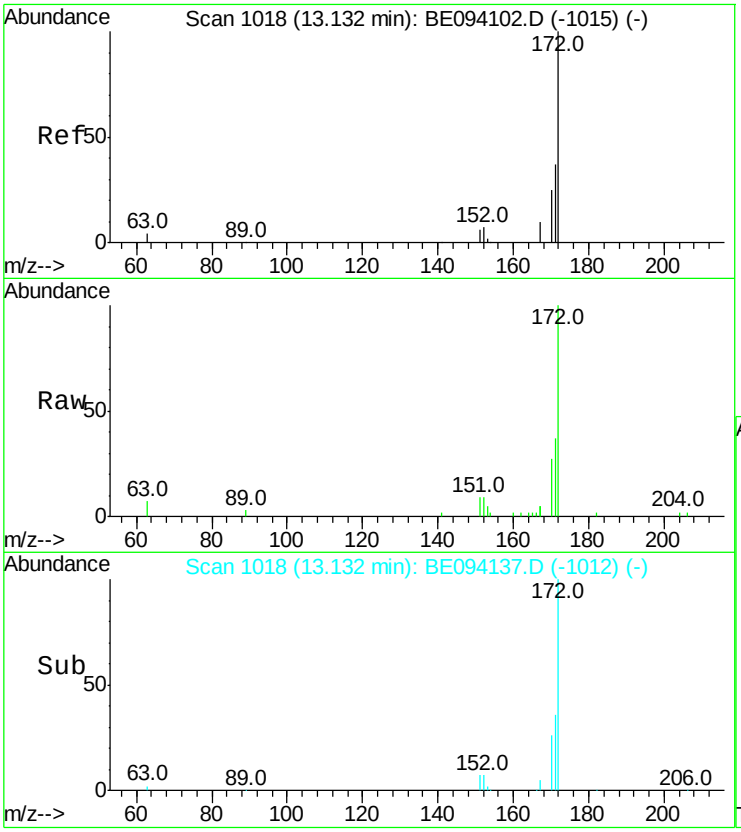


#14
2,4,6-Tribromophenol
Concen: 0.174 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:330 Resp: 456

Ion	Ratio	Lower	Upper
330	100		
332	87.5	152.7	229.1#
141	0.0	33.7	50.5#



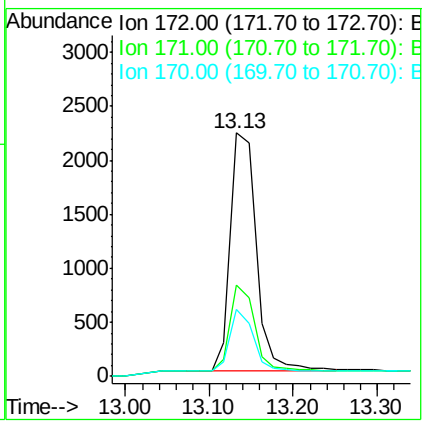


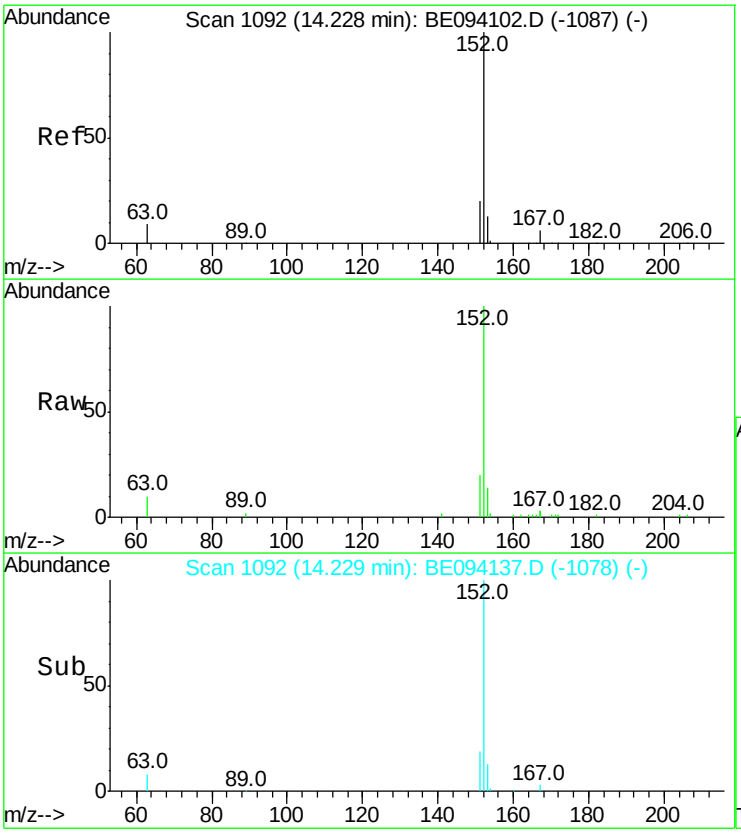
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:172 Resp: 4761

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.9	44.9
170	27.5	21.8	32.8

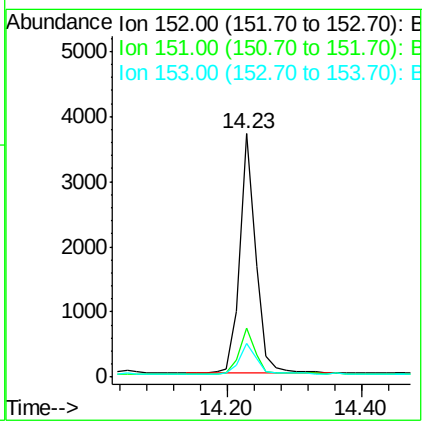


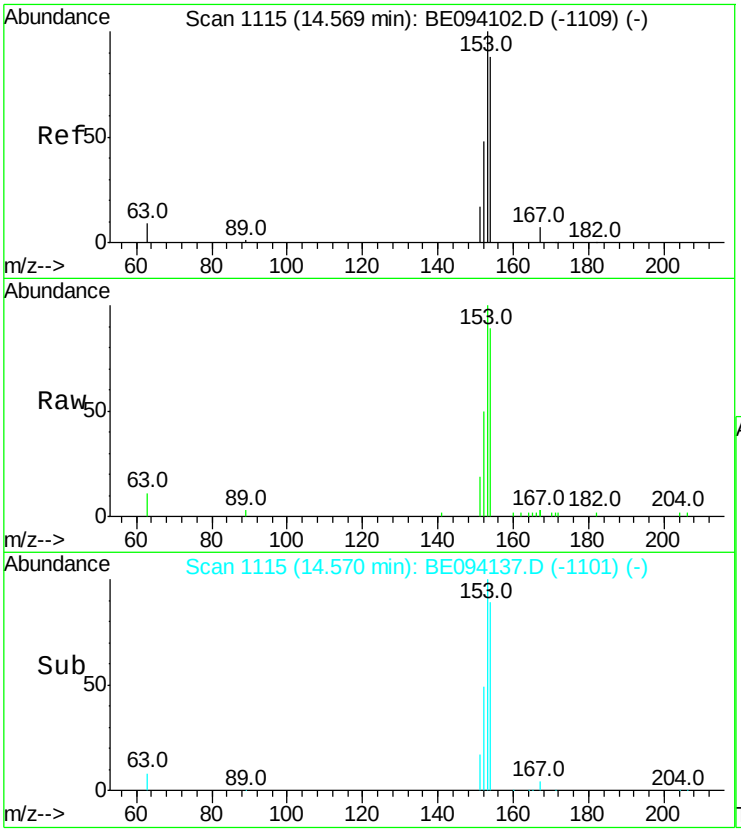


#16
Acenaphthylene
Concen: 0.301 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:152 Resp: 6120

Ion	Ratio	Lower	Upper
152	100		
151	18.8	15.7	23.5
153	13.4	10.5	15.7



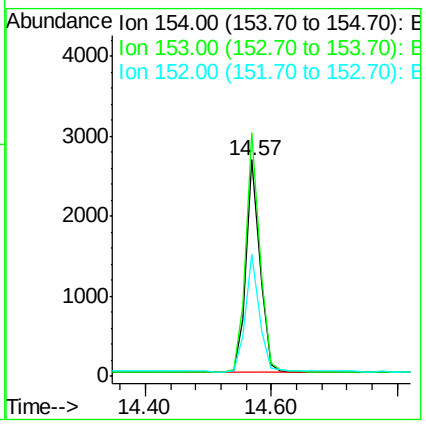


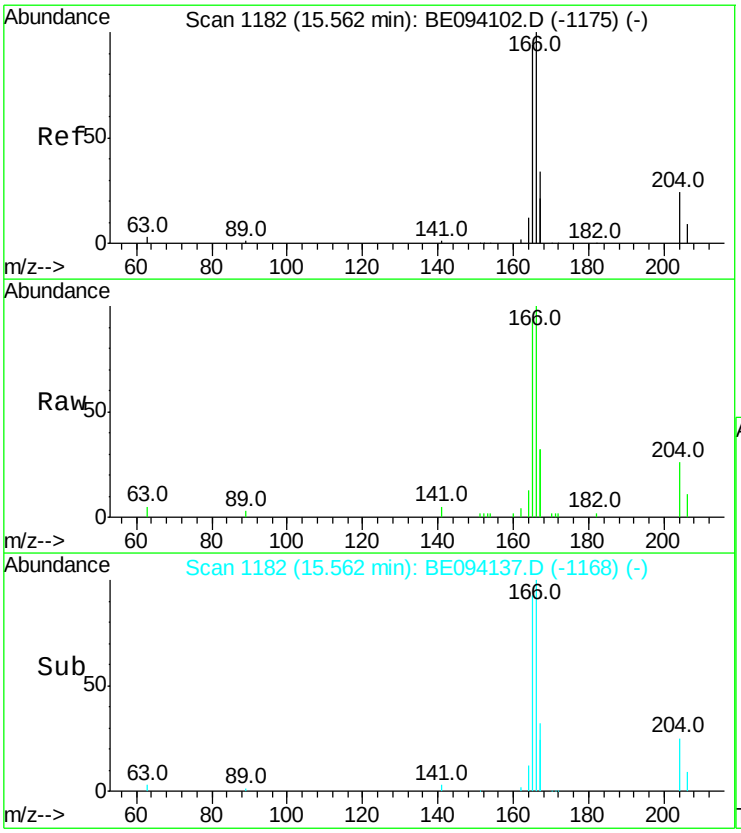
#17
Acenaphthene
Concen: 0.323 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:154 Resp: 4108

Ion	Ratio	Lower	Upper
154	100		
153	113.0	89.2	133.8
152	54.2	42.0	63.0

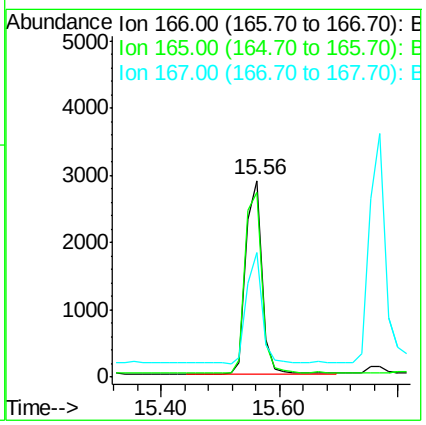


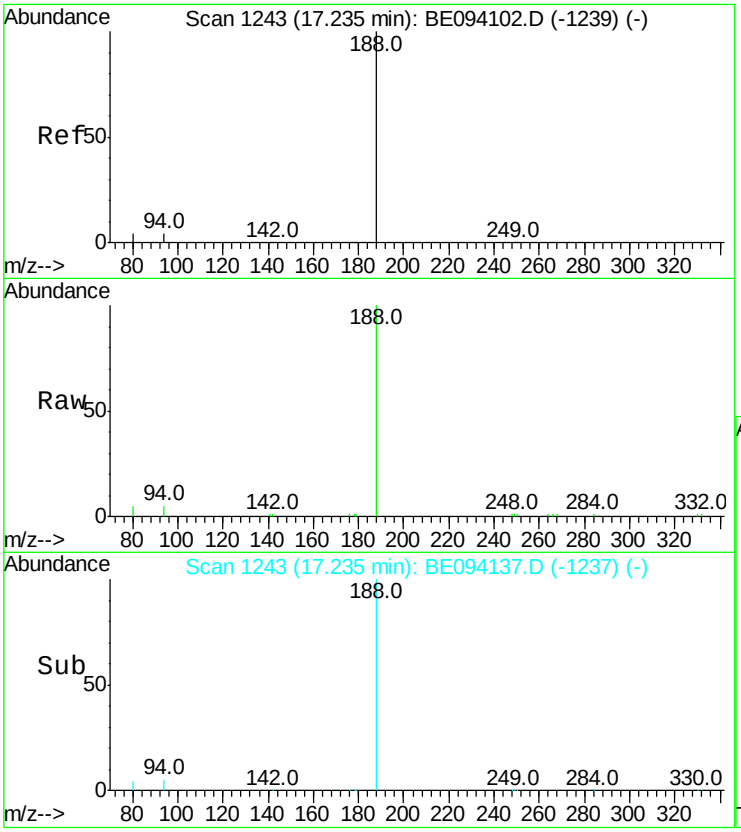


#18
Fluorene
Concen: 0.311 ng
RT: 15.56 min Scan# 1182
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:166 Resp: 5370

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.6
167	53.6	42.4	63.6



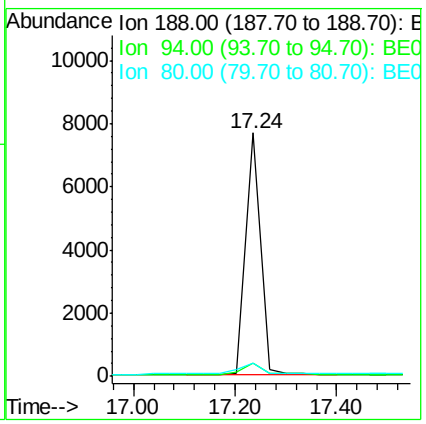


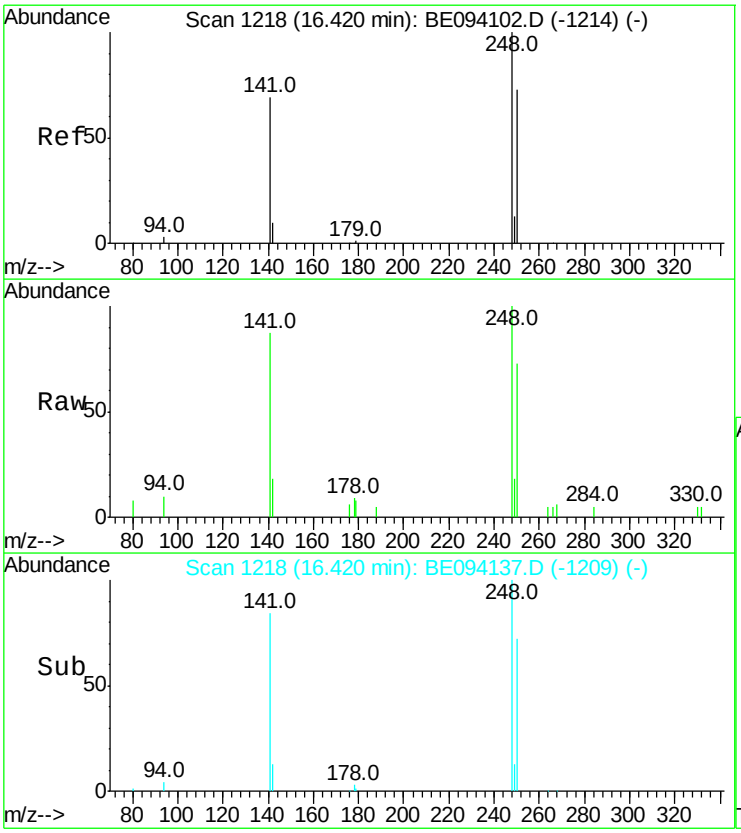
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:188 Resp: 15634

Ion	Ratio	Lower	Upper
188	100		
94	5.5	3.9	5.9
80	5.2	3.6	5.4

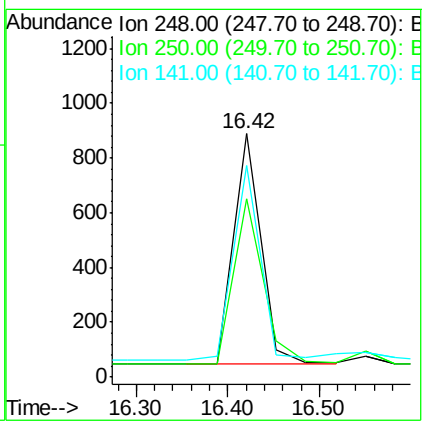


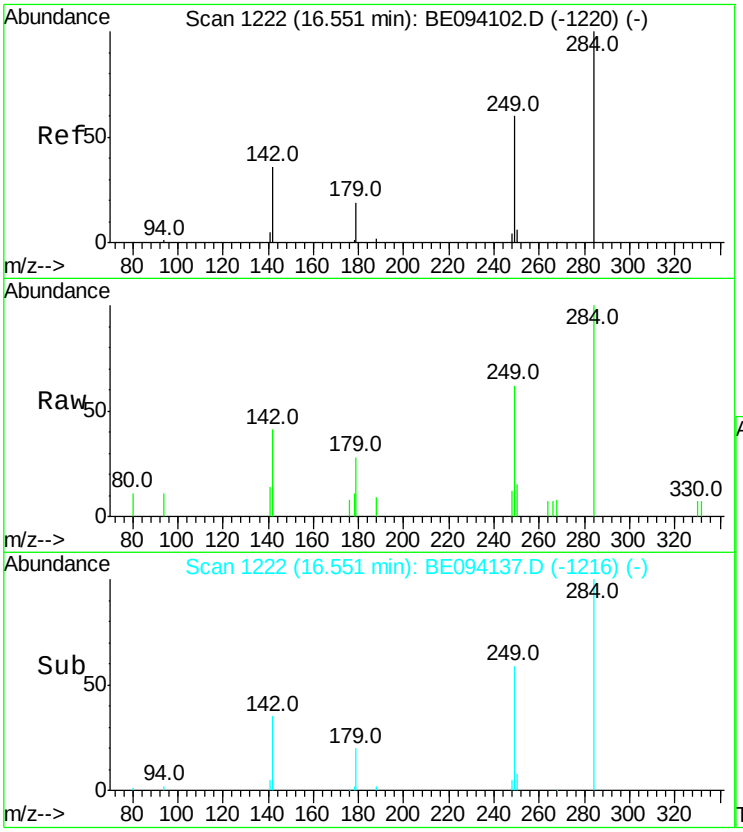


#20
4-Bromophenyl-phenylether
Concen: 0.277 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:248 Resp: 1776

Ion	Ratio	Lower	Upper
248	100		
250	73.2	62.7	94.1
141	86.8	48.2	72.2#



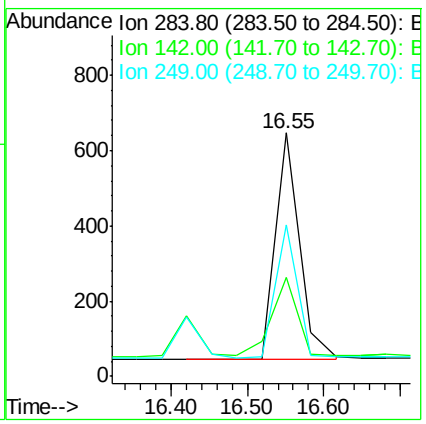


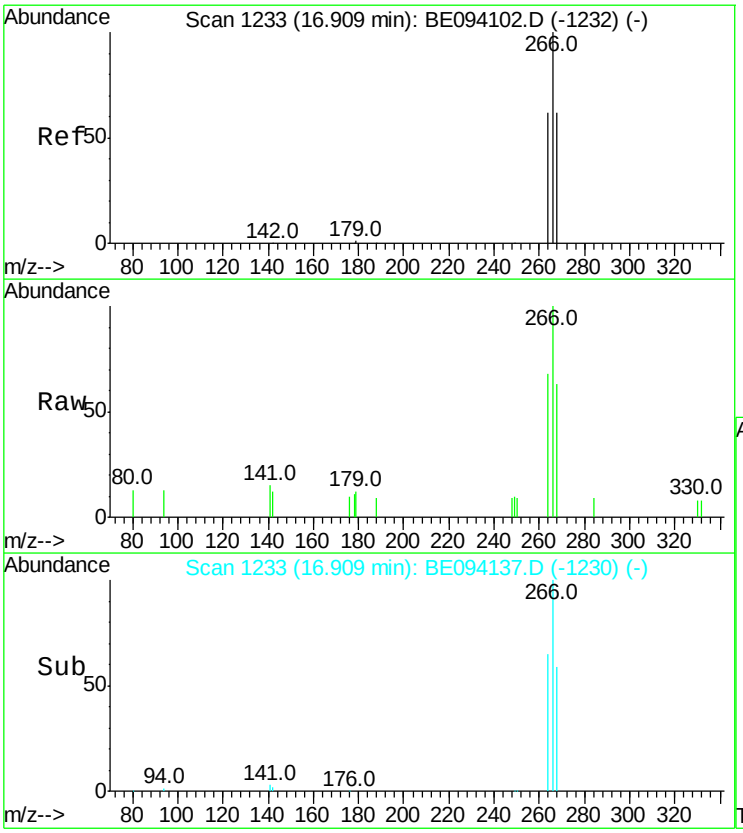
#21
Hexachlorobenzene
Concen: 0.329 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:284 Resp: 1330

Ion	Ratio	Lower	Upper
284	100		
142	36.5	22.1	33.1#
249	53.2	34.8	52.2#

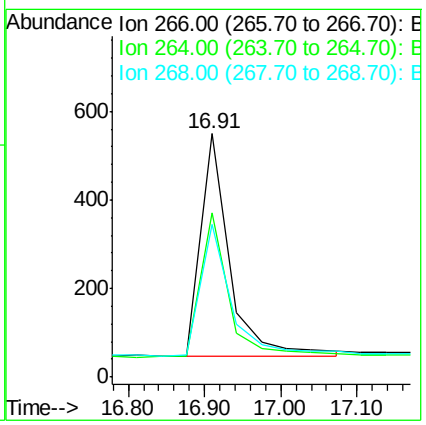


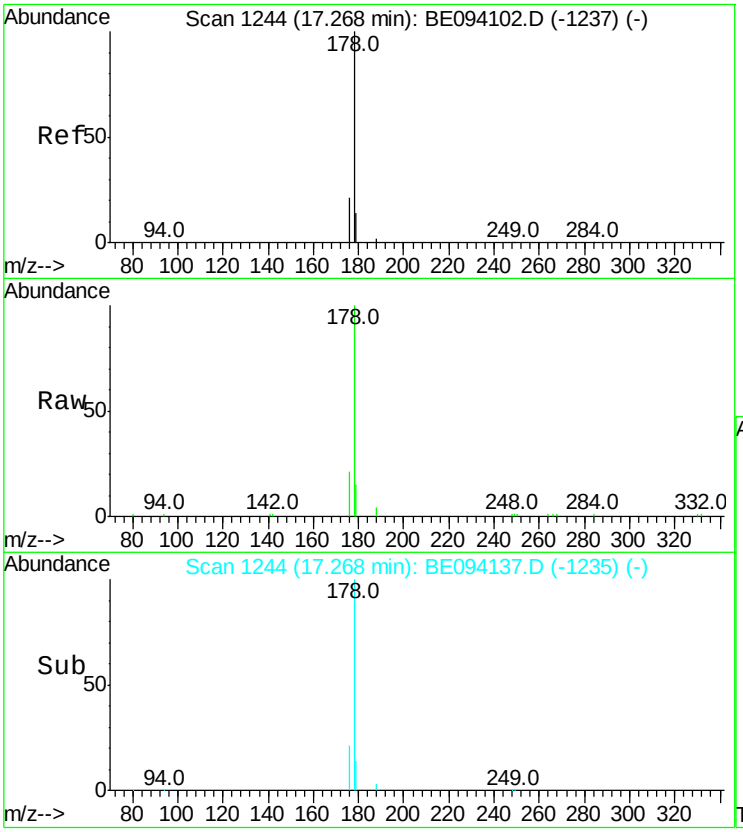


#22
Pentachlorophenol
Concen: 0.352 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:266 Resp: 1305

Ion	Ratio	Lower	Upper
266	100		
264	67.6	72.5	108.7#
268	62.7	73.8	110.6#



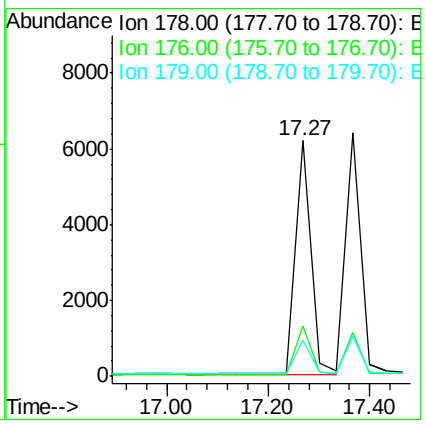


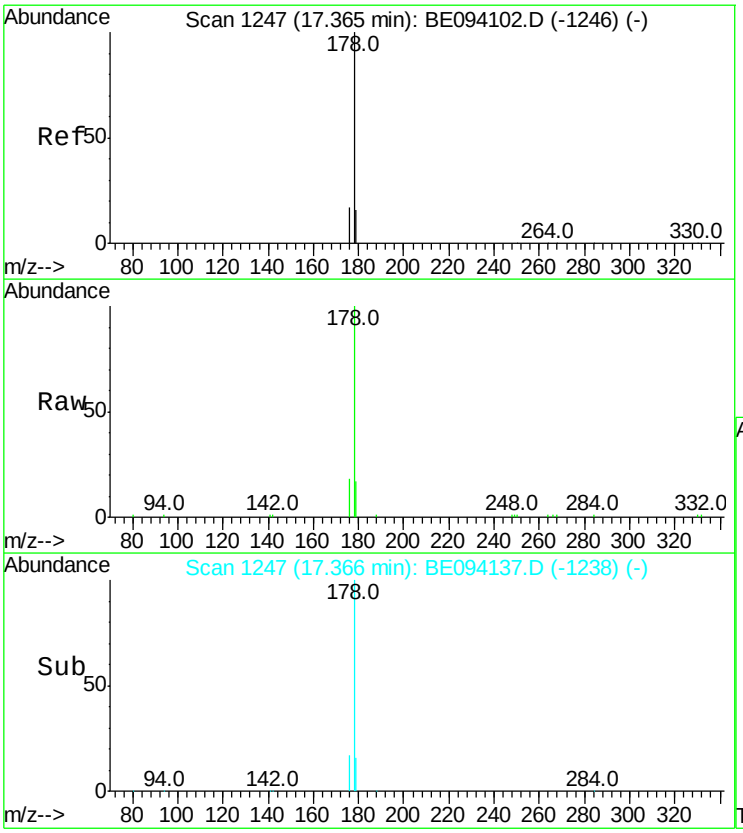
#23
Phenanthrene
Concen: 0.321 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:178 Resp: 12836

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.1	22.7
179	14.7	11.8	17.6

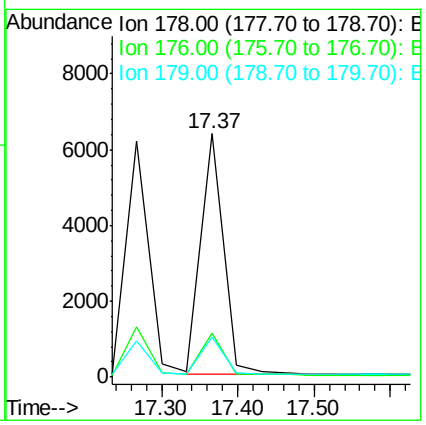


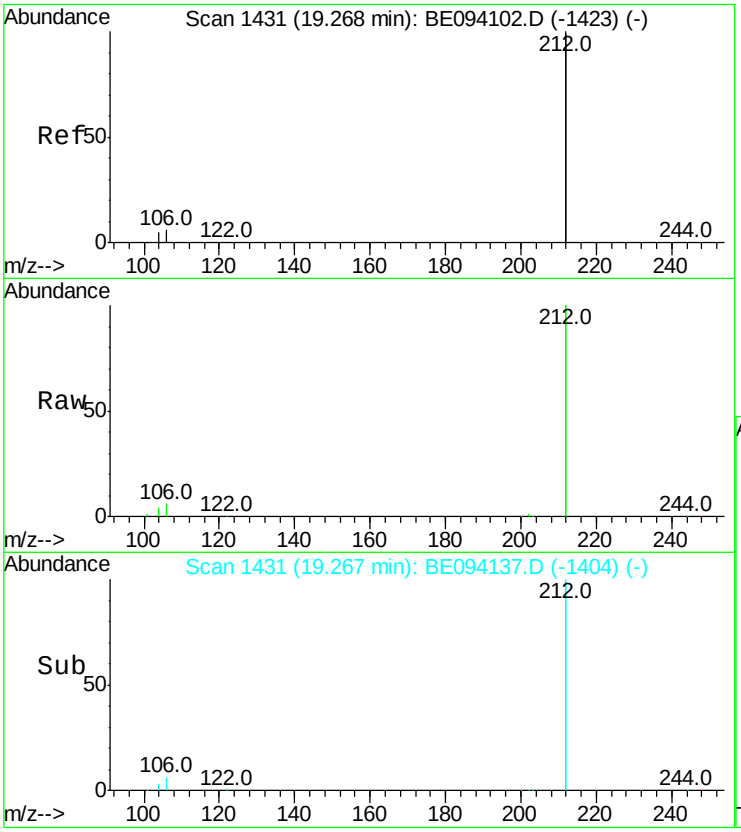


#24
Anthracene
Concen: 0.312 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:178 Resp: 13104

Ion	Ratio	Lower	Upper
178	100		
176	17.1	12.8	19.2
179	15.7	13.0	19.6



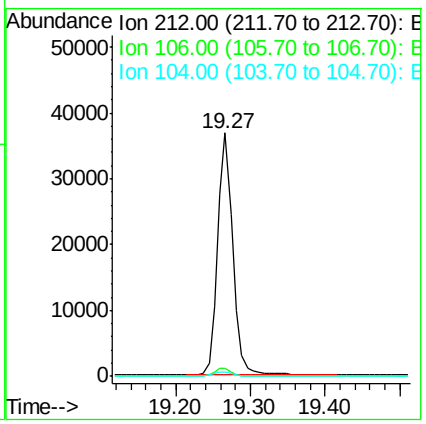


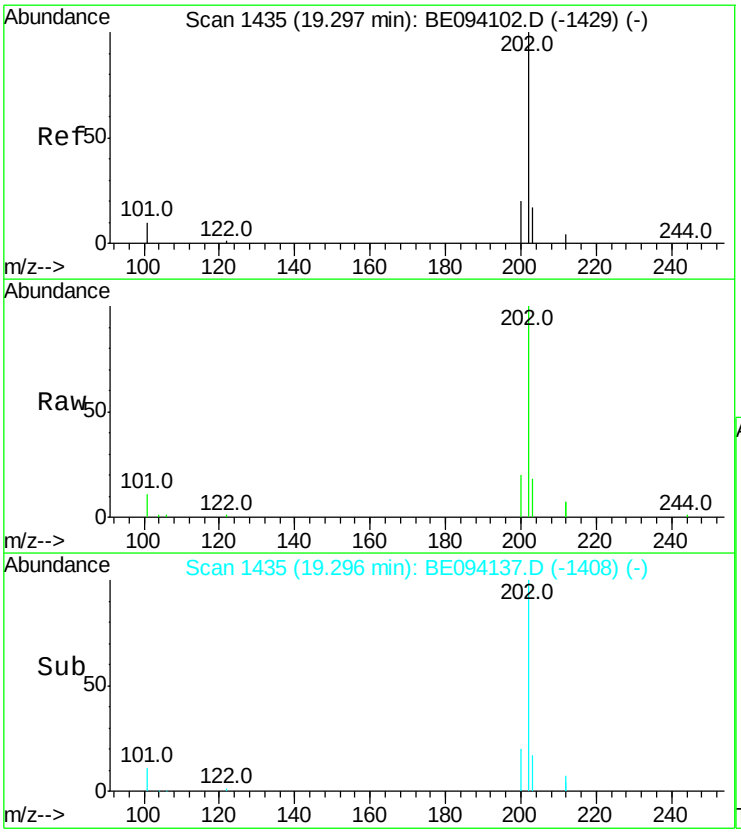
#25
Fluoranthene-d10
Concen: 0.344 ng
RT: 19.27 min Scan# 1431
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:212 Resp: 52103

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.8	4.2
104	2.0	1.6	2.4

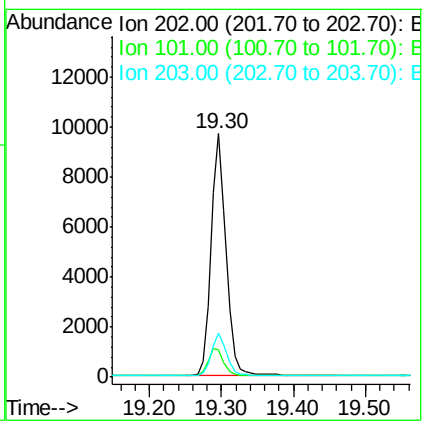


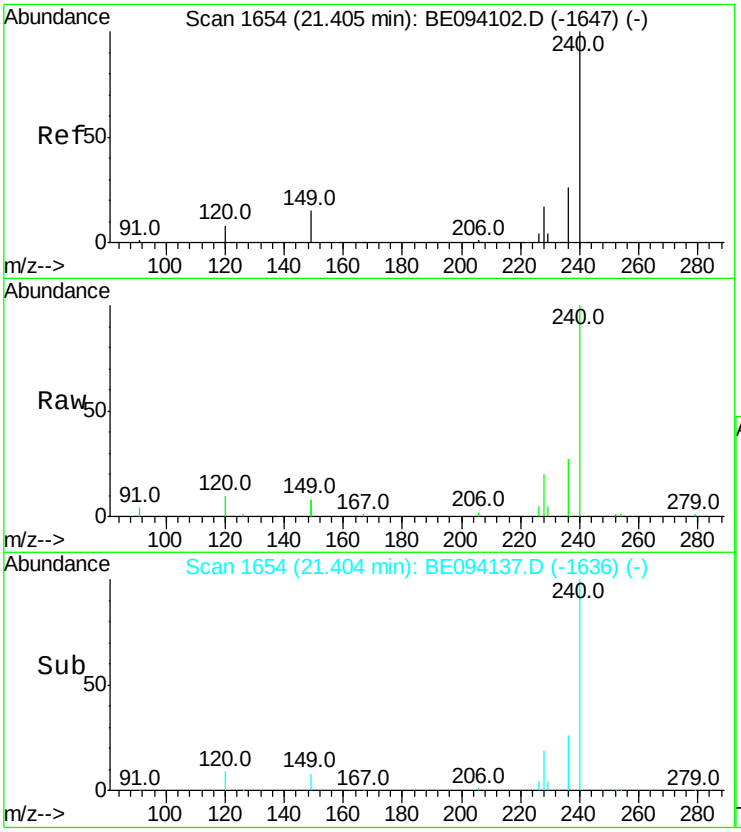


#26
Fluoranthene
Concen: 0.309 ng
RT: 19.30 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:202 Resp: 13872

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.8	14.8
203	17.3	13.7	20.5



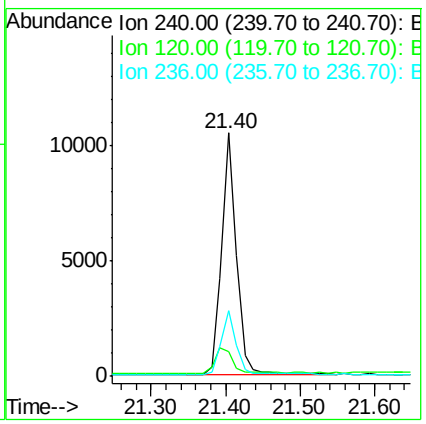


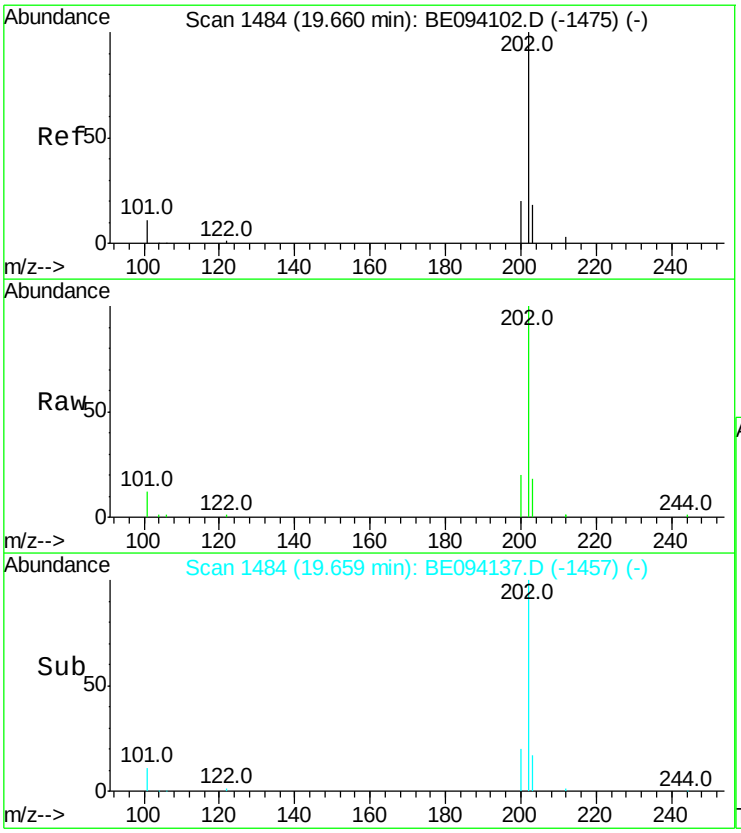
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:240 Resp: 14411

Ion	Ratio	Lower	Upper
240	100		
120	9.9	5.5	8.3#
236	27.0	20.7	31.1

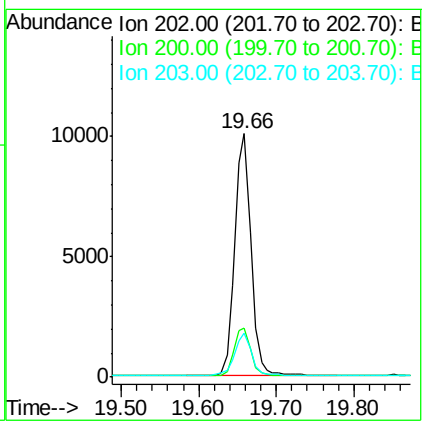


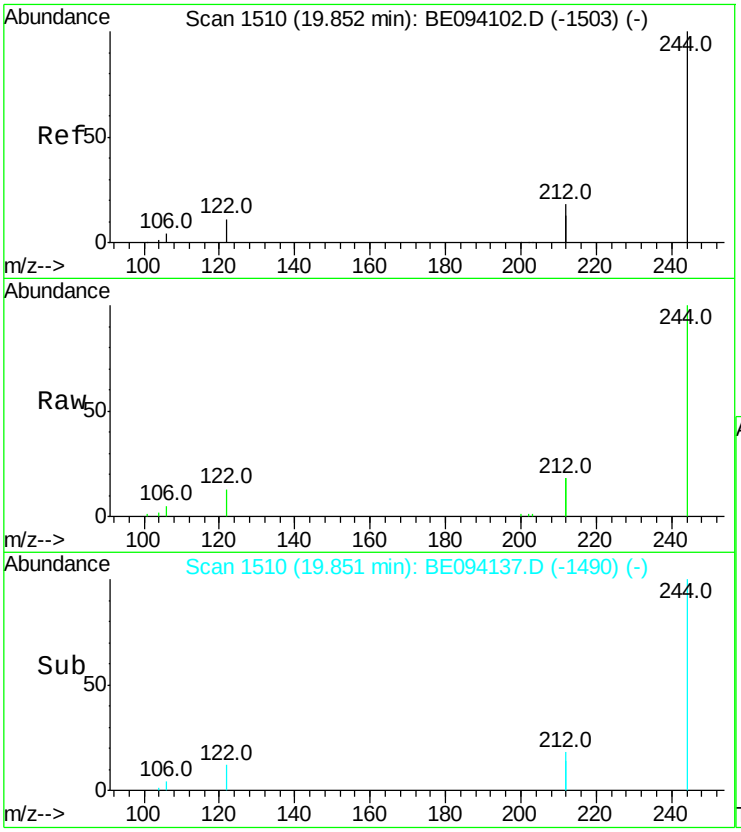


#28
Pyrene
Concen: 0.319 ng
RT: 19.66 min Scan# 1484
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:202 Resp: 14570

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.6	25.0
203	17.7	13.8	20.8



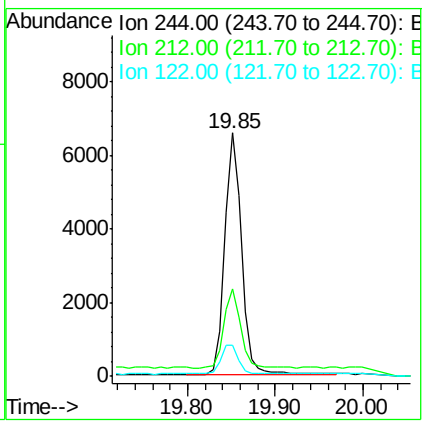


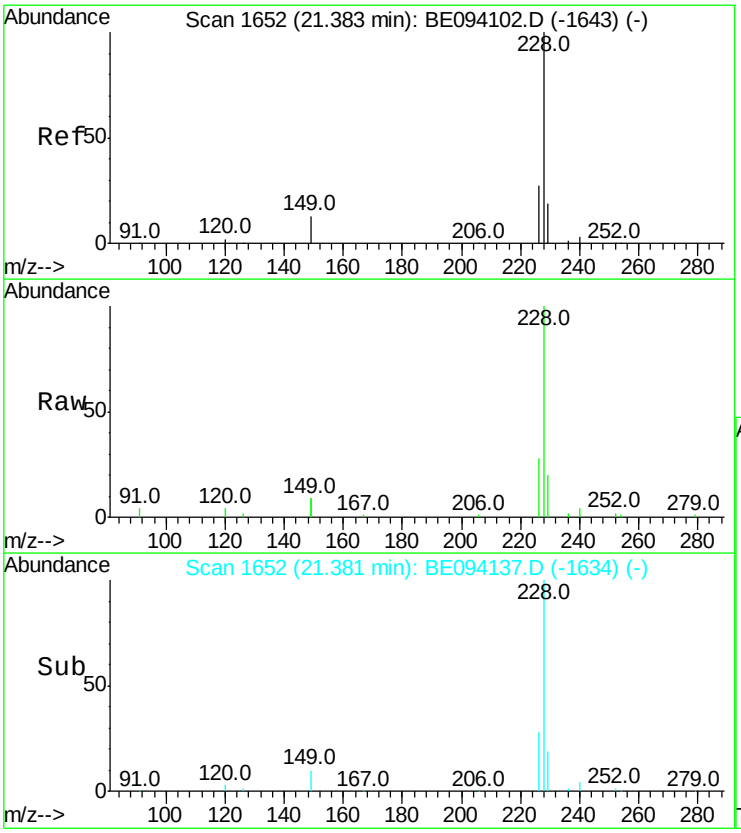
#29
Terphenyl-d14
Concen: 0.336 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:244 Resp: 8822

Ion	Ratio	Lower	Upper
244	100		
212	35.8	25.4	38.0
122	12.7	8.1	12.1#

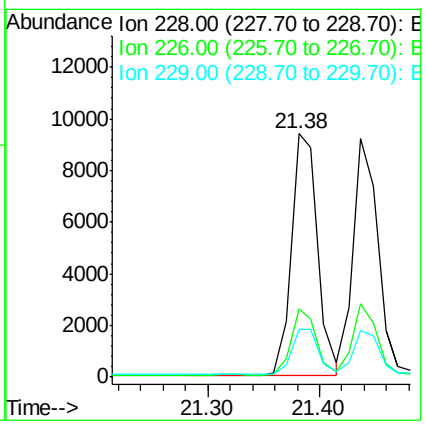


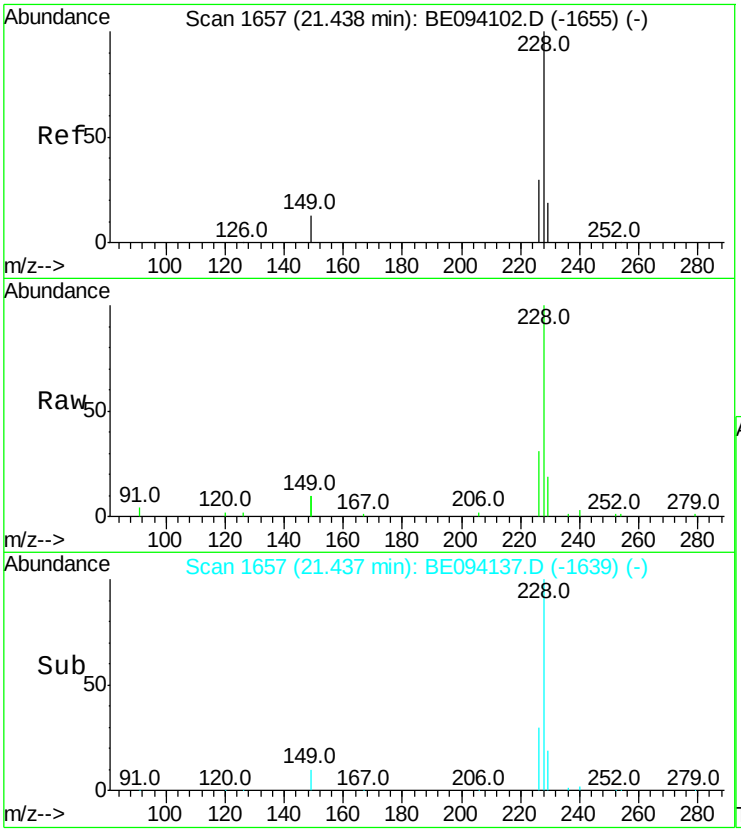


#30
Benzo(a)anthracene
Concen: 0.314 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:228 Resp: 15246

Ion	Ratio	Lower	Upper
228	100		
226	28.2	21.4	32.0
229	19.5	16.4	24.6



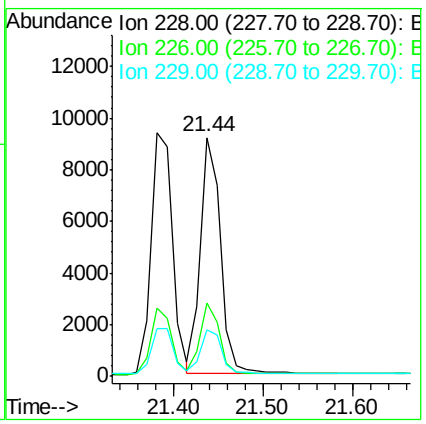


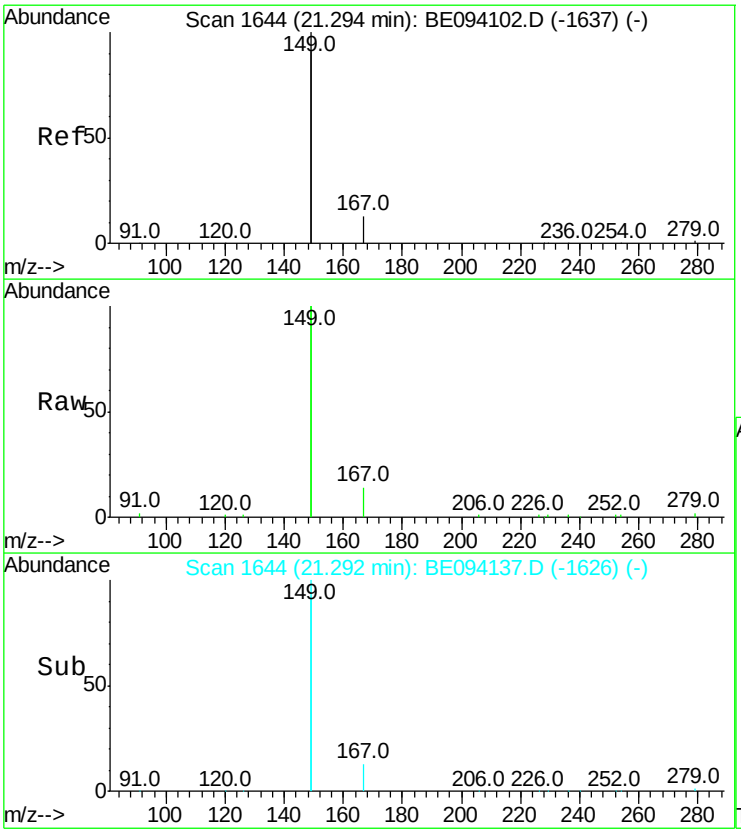
#31
Chrysene
Concen: 0.307 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:228 Resp: 14389

Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.6	35.4
229	19.4	16.4	24.6

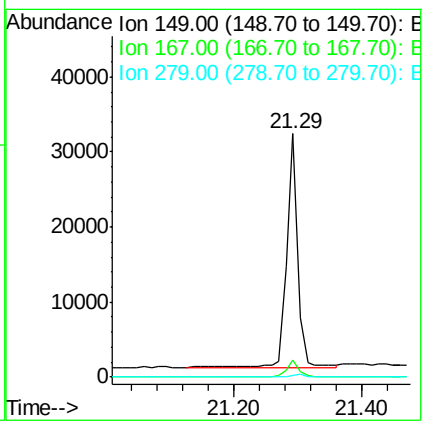


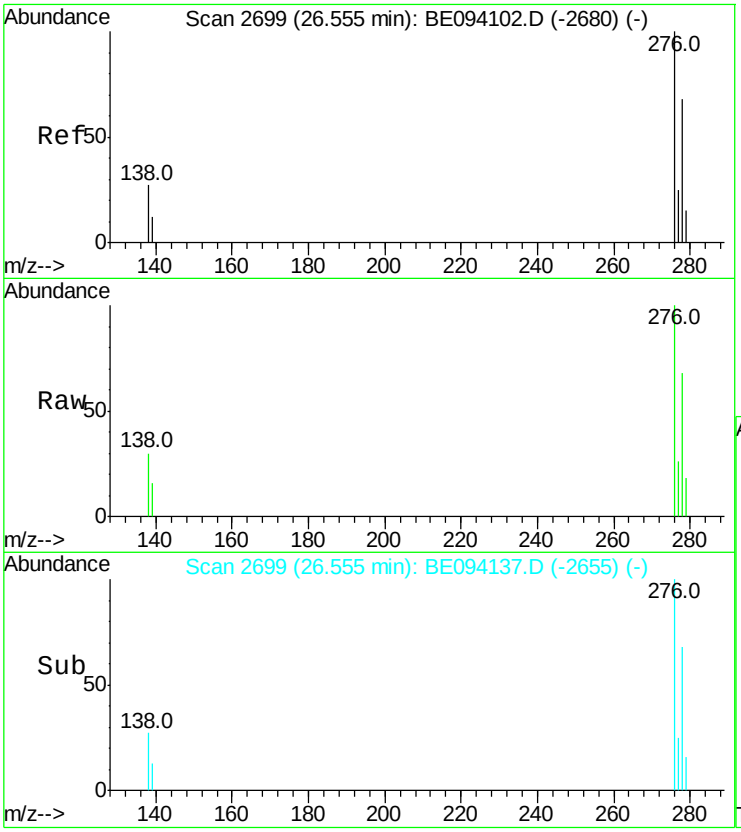


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.045 ng
RT: 21.29 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:149 Resp: 36947

Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.4	8.0
279	0.9	0.7	1.1



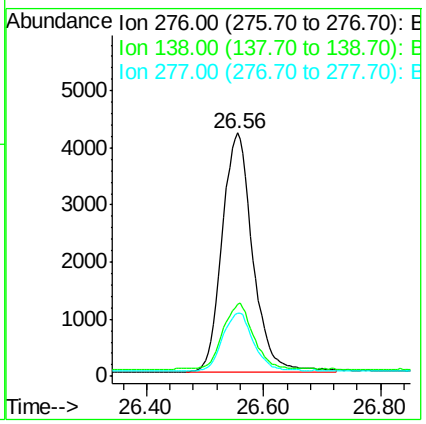


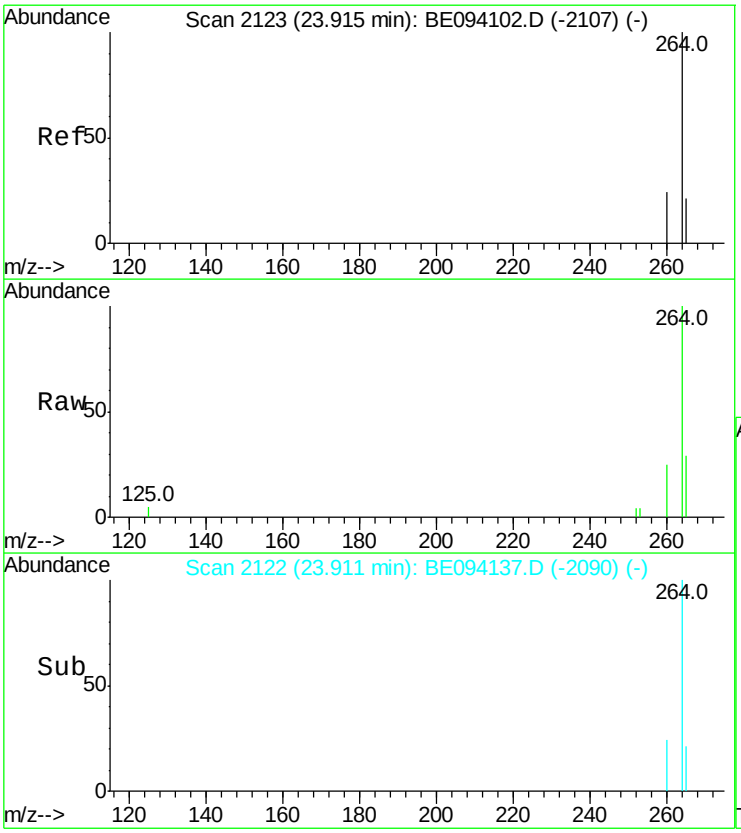
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.304 ng
RT: 26.56 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:276 Resp: 15214

Ion	Ratio	Lower	Upper
276	100		
138	26.7	22.5	33.7
277	24.7	19.9	29.9

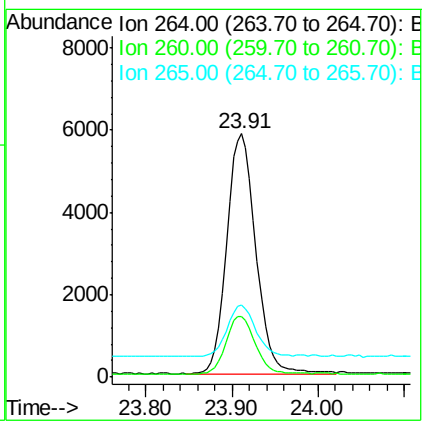


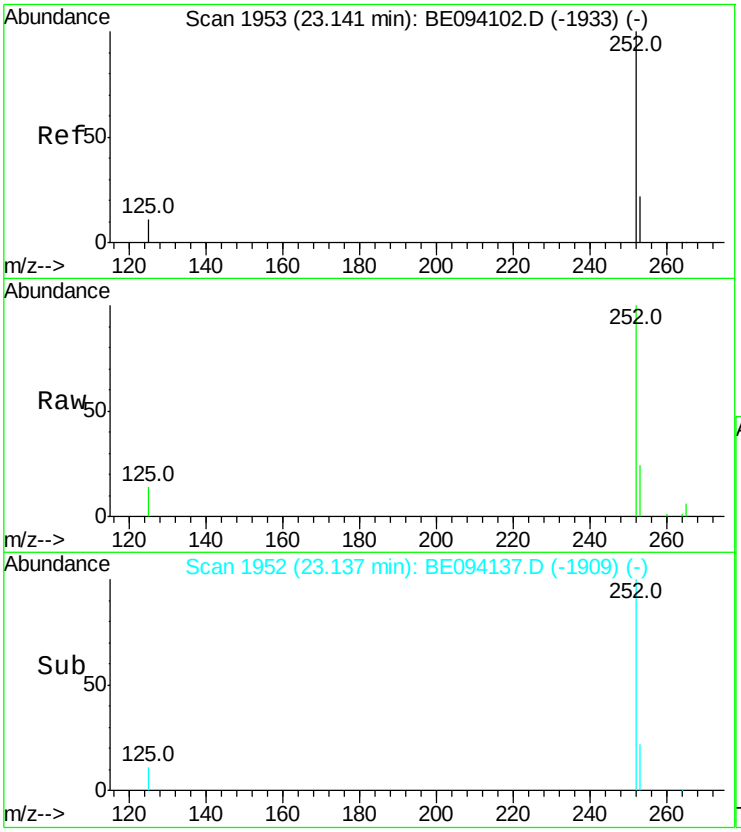


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2122
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:264 Resp: 13709

Ion	Ratio	Lower	Upper
264	100		
260	25.0	20.5	30.7
265	29.4	22.8	34.2



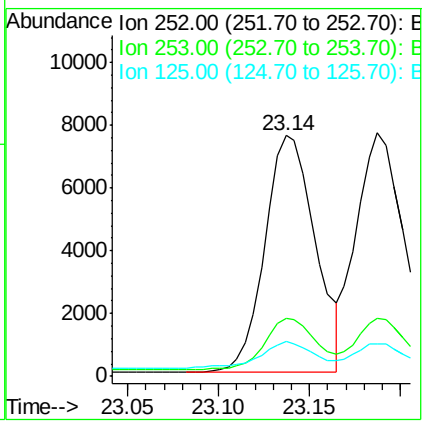


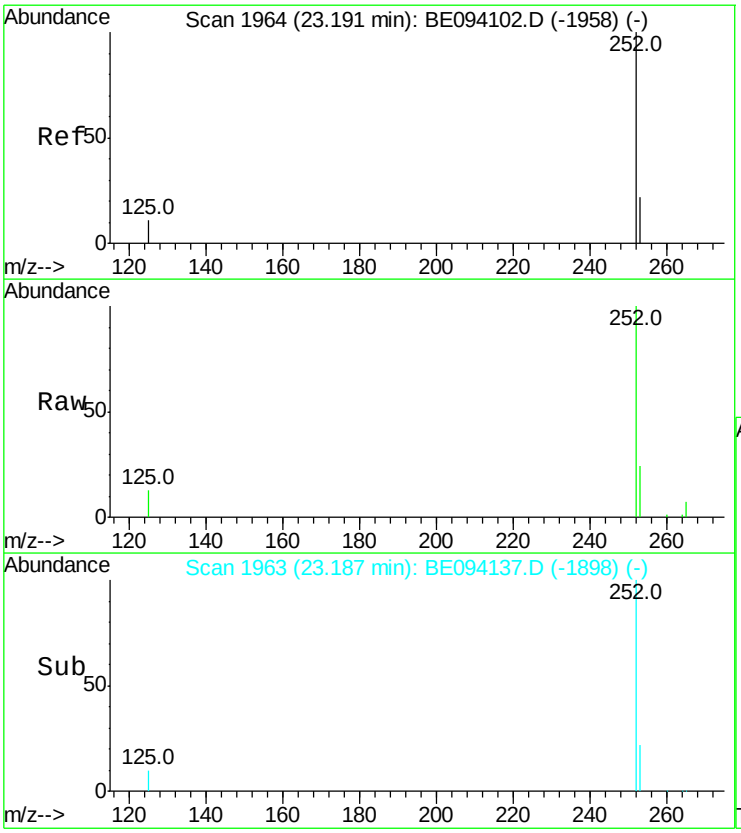
#35
Benzo(b)fluoranthene
Concen: 0.294 ng
RT: 23.14 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:252 Resp: 14527

Ion	Ratio	Lower	Upper
252	100		
253	24.3	18.2	27.2
125	14.3	10.1	15.1

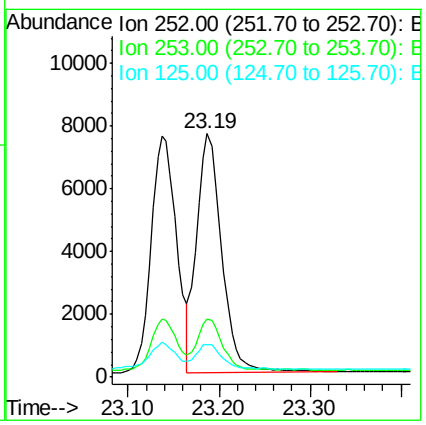


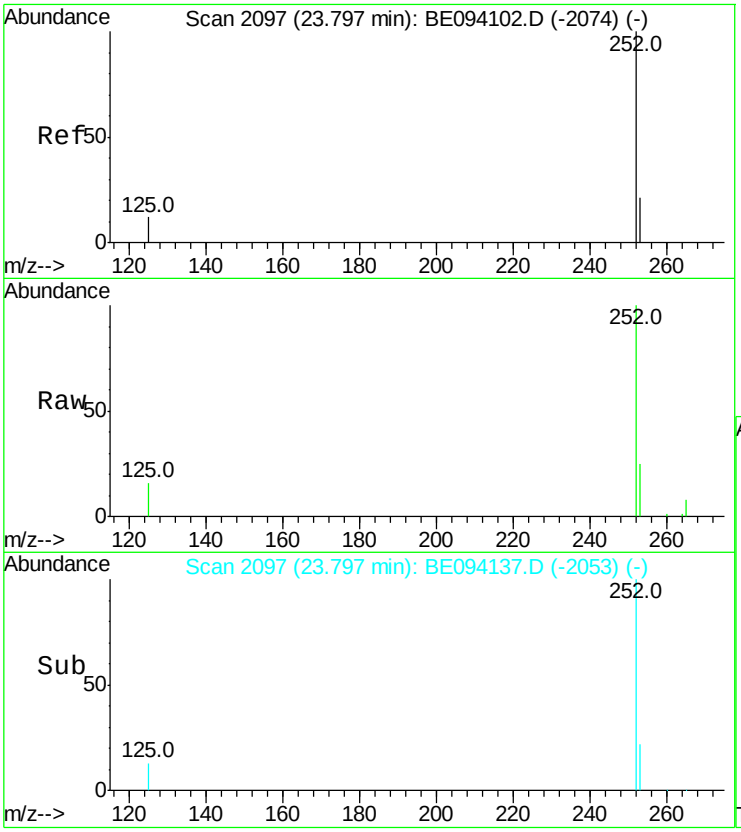


#36
Benzo(k)fluoranthene
Concen: 0.306 ng
RT: 23.19 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:252 Resp: 14513

Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.6	27.8
125	13.5	10.7	16.1



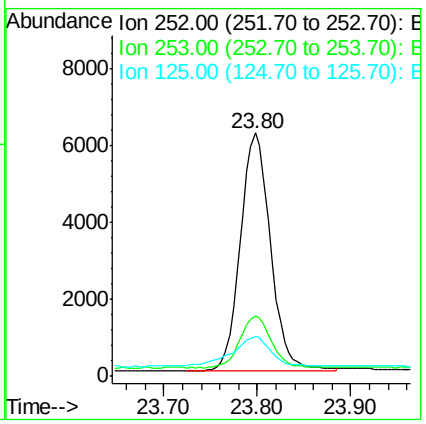


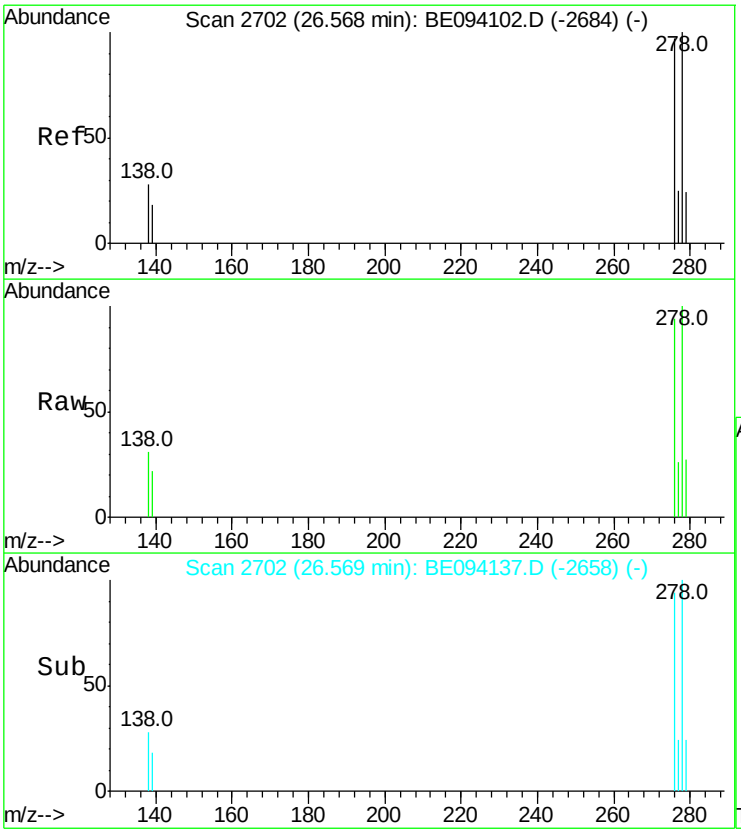
#37
Benzo(a)pyrene
Concen: 0.310 ng
RT: 23.80 min Scan# 2097
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:252 Resp: 13861

Ion	Ratio	Lower	Upper
252	100		
253	24.7	19.0	28.6
125	16.5	11.8	17.8

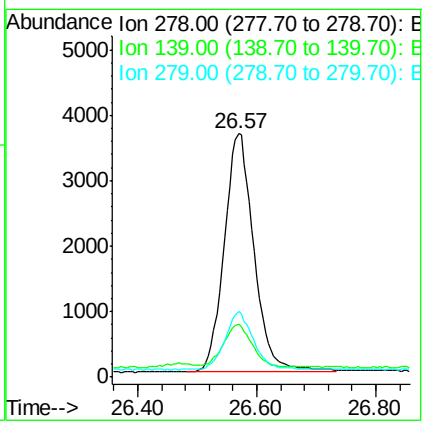


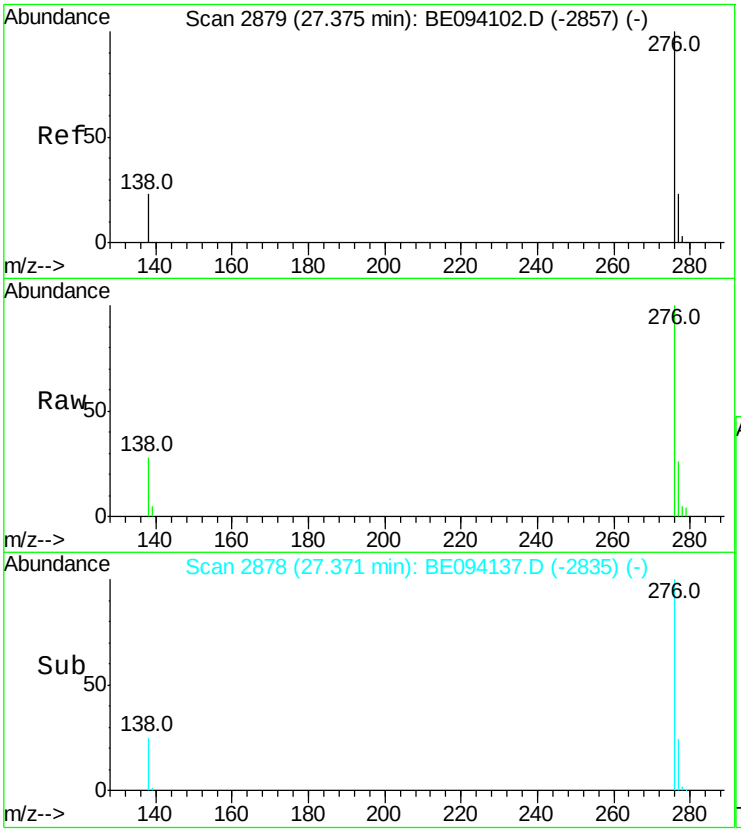


#38
Dibenzo(a,h)anthracene
Concen: 0.299 ng
RT: 26.57 min Scan# 2702
Delta R.T. 0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Tgt Ion:278 Resp: 12667

Ion	Ratio	Lower	Upper
278	100		
139	21.6	16.3	24.5
279	26.8	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 0.306 ng
RT: 27.37 min Scan# 2878
Delta R.T. -0.00 min
Lab File: BE094137.D
Acq: 28 Sep 2017 19:29

Instrument :
BNA_E
ClientSampleId :
PB102676BSD

Tgt Ion:276 Resp: 12808

Ion	Ratio	Lower	Upper
276	100		
277	26.0	20.8	31.2
138	27.6	21.5	32.3