Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111617\
Data File : BE094823.D
Acq On : 15 Nov 2017 20:12
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Nov 16 01:53:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 22:40:47 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.92	152	777	0.40	ng		0.01
7) Naphthalene-d8	10.72	136	4401	0.40	ng		0.02
13) Acenaphthene-d10	14.53	164	2817	0.40	ng		0.02
19) Phenanthrene-d10	17.27	188	7305	0.40	ng		0.03
27) Chrysene-d12	21.44	240	9476	0.40	ng		0.01
34) Perylene-d12	23.98	264	8880	0.40	ng		0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.57	112	886	0.33	ng		0.04
5) Phenol-d6	7.20	99	1541	0.38	ng		0.07
8) Nitrobenzene-d5	9.14	82	1172	0.33	ng		0.07
11) 2-Methylnaphthalene-d10	12.32	152	2582	0.37	ng		0.03
14) 2,4,6-Tribromophenol	16.06	330	399	0.51	ng		0.03
15) 2-Fluorobiphenyl	13.18	172	3431	0.35	ng		0.03
25) Fluoranthene-d10	19.30	212	37547	0.42	ng		0.01
29) Terphenyl-d14	19.87	244	6358	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.40	88	634	0.48	ng	#	77
3) n-Nitrosodimethylamine	3.75	42	473	0.38	ng	#	3
6) bis(2-Chloroethyl)ether	7.37	93	1010	0.32	ng		73
9) Naphthalene	10.77	128	17705	0.36	ng		99
10) Hexachlorobutadiene	11.01	225	728	0.40	ng		98
12) 2-Methylnaphthalene	12.39	142	3035	0.36	ng		99
16) Acenaphthylene	14.24	152	5366	0.36	ng		98
17) Acenaphthene	14.58	154	3556	0.37	ng		99
18) Fluorene	15.58	166	4813	0.39	ng		99
20) 4-Bromophenyl-phenylether	16.45	248	1197	0.30	ng	#	65
21) Hexachlorobenzene	16.58	284	1653	0.47	ng	#	83
22) Pentachlorophenol	17.07	266	86	0.19	ng		98
23) Phenanthrene	17.30	178	9396	0.50	ng		97
24) Anthracene	17.40	178	9399	0.44	ng		97
26) Fluoranthene	19.33	202	11365	0.42	ng		98
28) Pyrene	19.69	202	11882	0.36	ng		99
30) Benzo(a)anthracene	21.42	228	11156	0.36	ng	#	63
31) Chrysene	21.47	228	12538	0.40	ng	#	64
32) Bis(2-ethylhexyl)phthalate	21.28	149	26209	0.35	ng		99
33) Indeno(1,2,3-cd)pyrene	26.70	276	11317	0.39	ng		97
35) Benzo(b)fluoranthene	23.20	252	10459	0.36	ng	#	40
36) Benzo(k)fluoranthene	23.24	252	12218	0.40	ng	#	40
37) Benzo(a)pyrene	23.88	252	10639	0.38	ng	#	34
38) Dibenzo(a,h)anthracene	26.69	278	9799	0.39	ng	#	45
39) Benzo(g,h,i)perylene	27.54	276	9685	0.41	ng	#	53

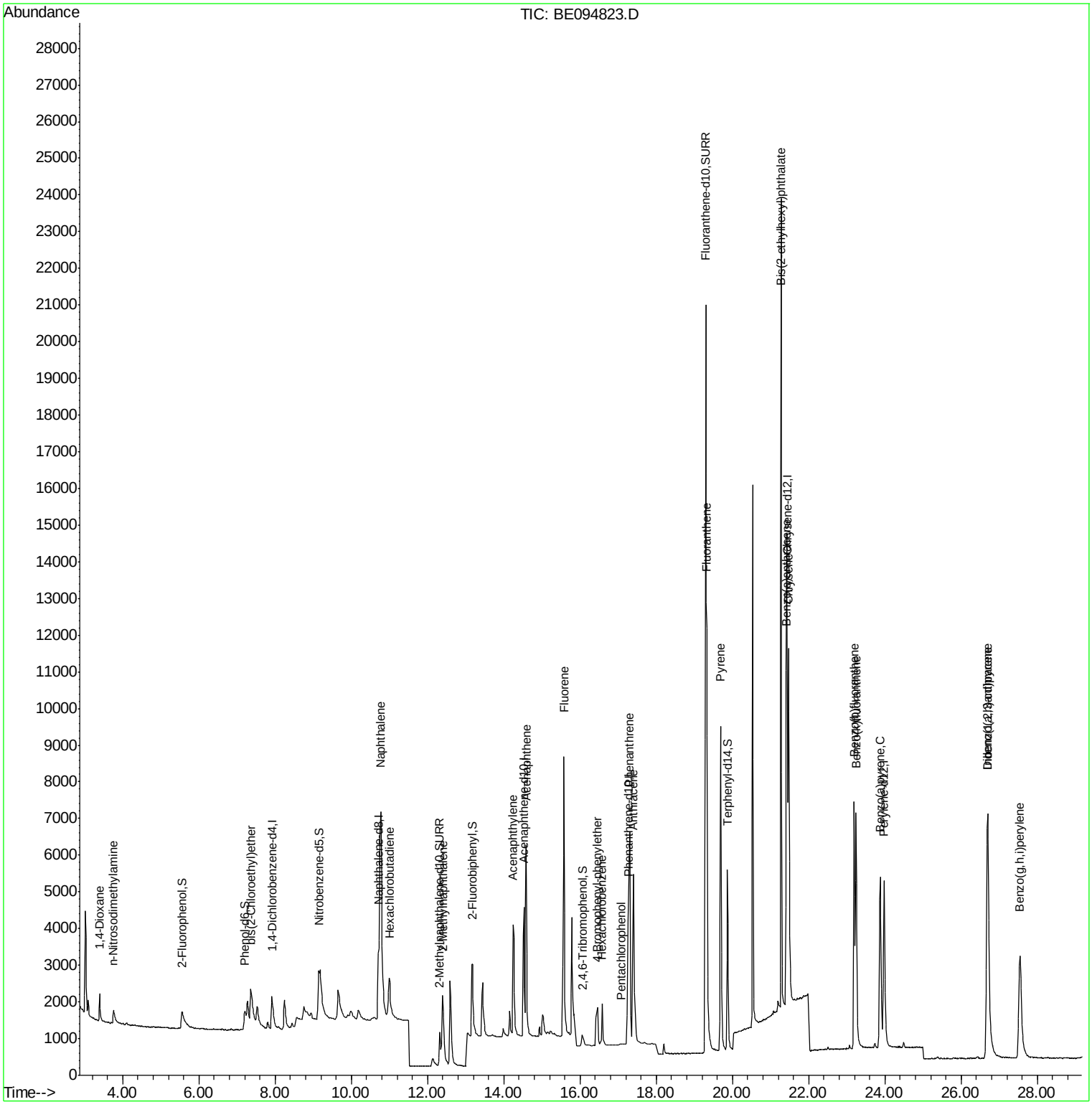
(#) = qualifier out of range (m) = manual integration (+) = signals summed

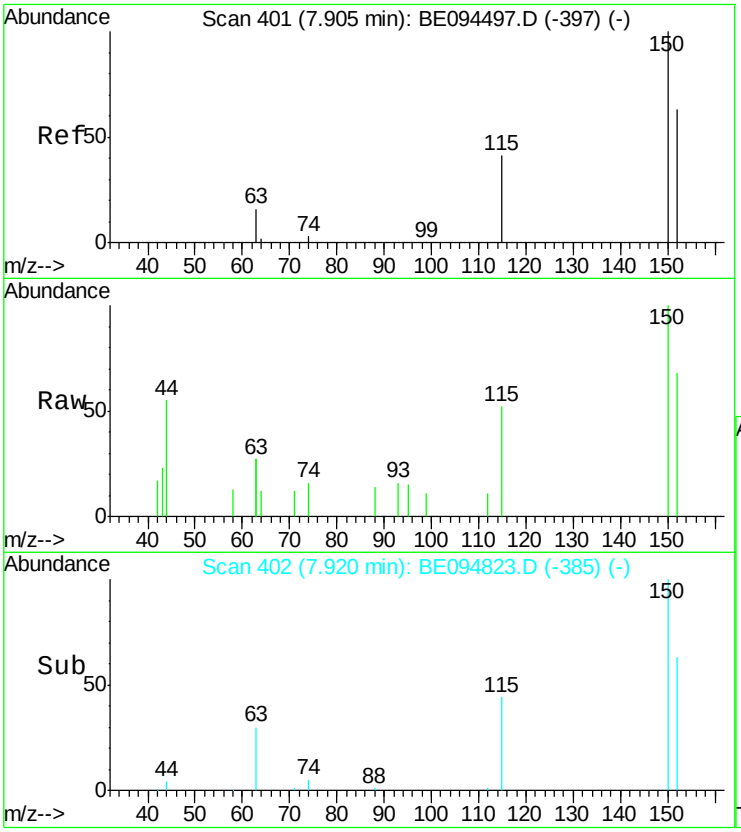
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE111617\
Data File : BE094823.D
Acq On : 15 Nov 2017 20:12
Operator : SJ/JU
Sample : SSTDCCC0.4EC
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Nov 16 01:53:51 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 23 22:40:47 2017
Response via : Initial Calibration



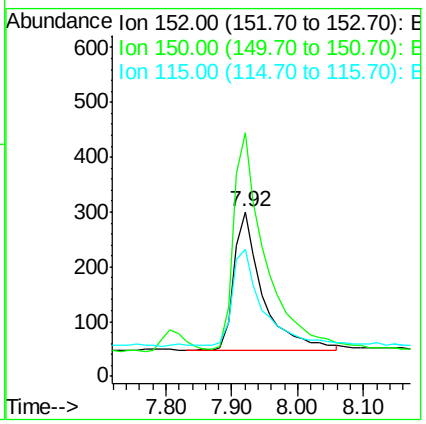


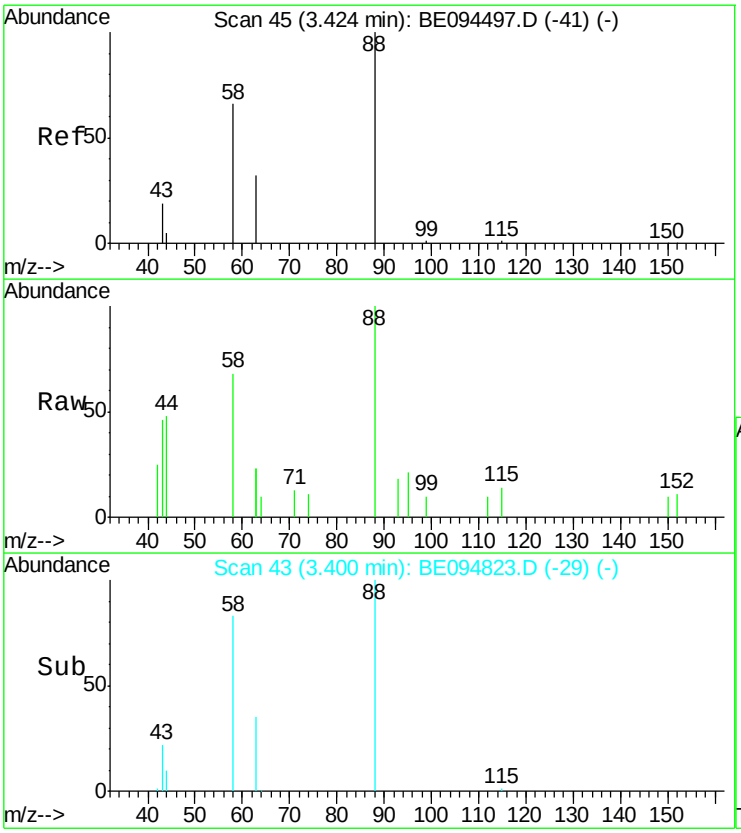
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 7.92 min Scan# 402
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 777

Ion	Ratio	Lower	Upper
152	100		
150	148.0	117.2	175.8
115	77.3	57.0	85.6

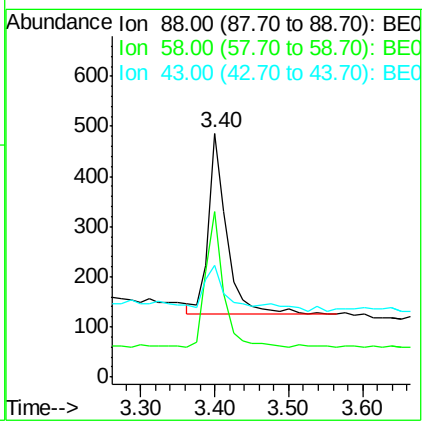


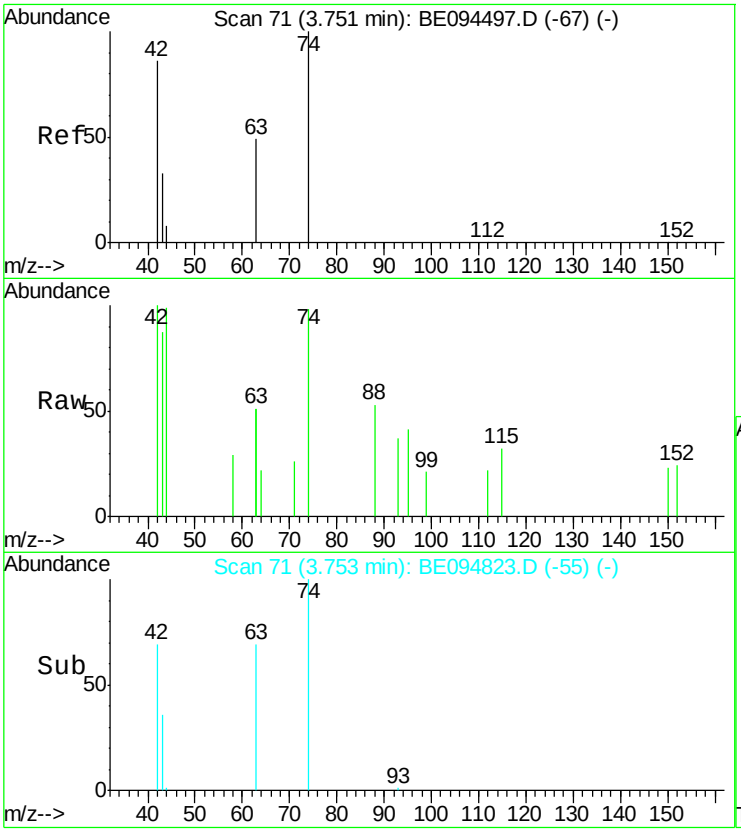


#2
1,4-Dioxane
Concen: 0.48 ng
RT: 3.40 min Scan# 43
Delta R.T. -0.02 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion: 88 Resp: 634

Ion	Ratio	Lower	Upper
88	100		
58	71.1	63.2	94.8
43	20.2	41.2	61.8#



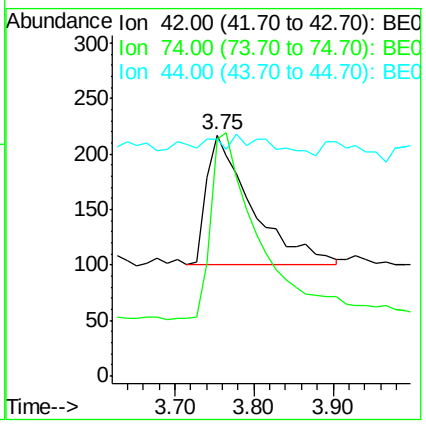


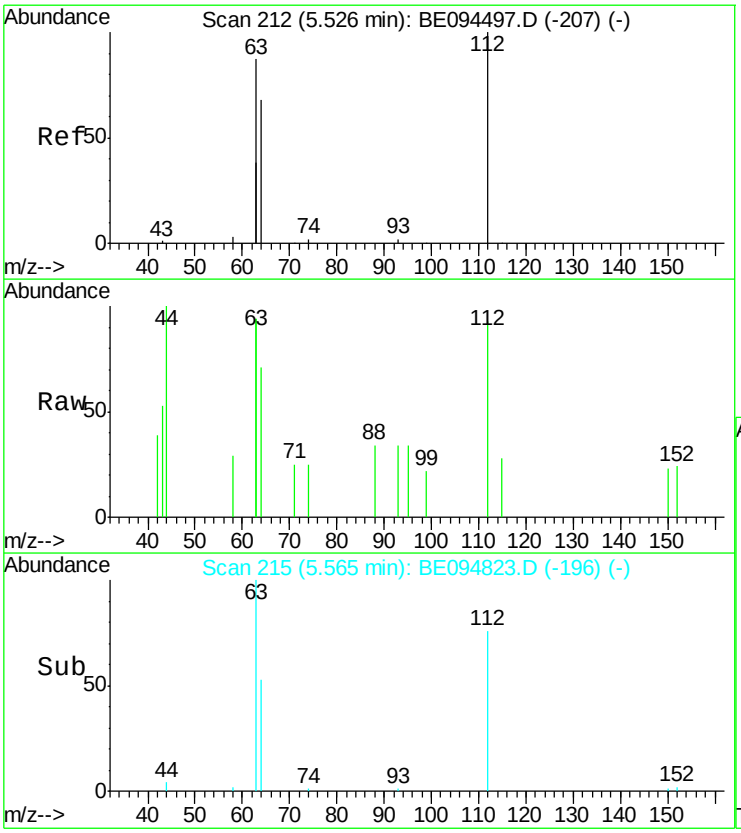
#3
n-Nitrosodimethylamine
Concen: 0.38 ng
RT: 3.75 min Scan# 71
Delta R.T. 0.00 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 473

Ion	Ratio	Lower	Upper
42	100		
74	0.0	100.3	150.5#
44	12.7	17.0	25.4#

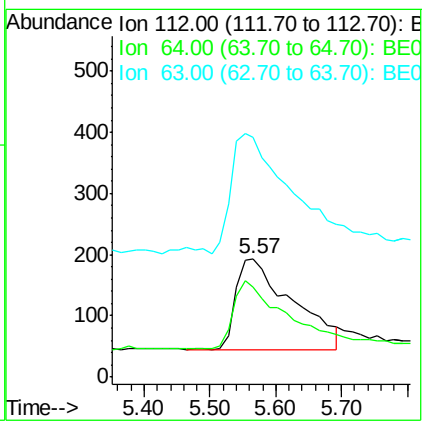


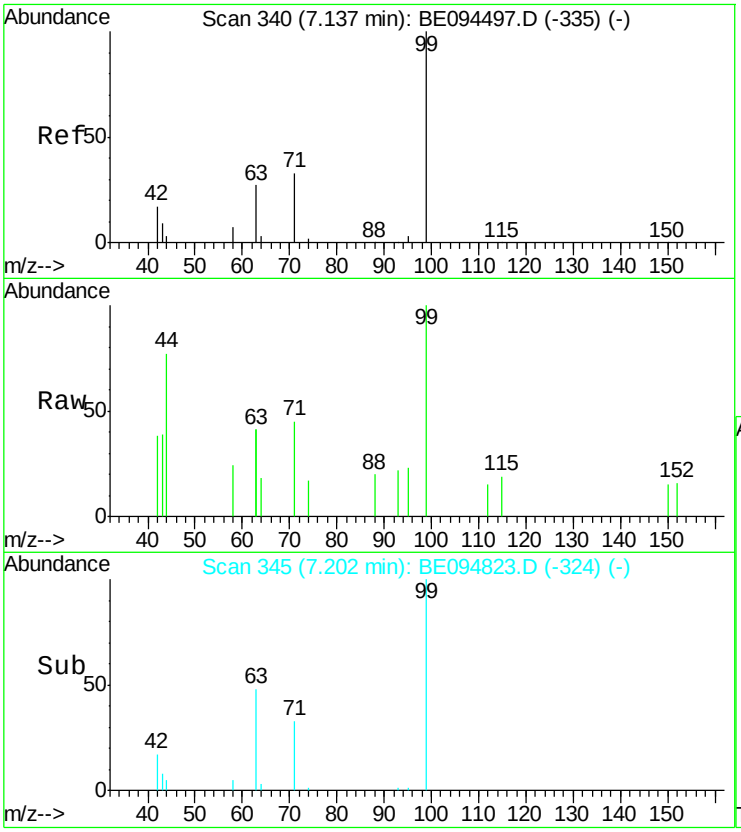


#4
2-Fluorophenol
Concen: 0.33 ng
RT: 5.57 min Scan# 215
Delta R.T. 0.04 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:112 Resp: 886

Ion	Ratio	Lower	Upper
112	100		
64	70.2	60.1	90.1
63	139.2	116.8	175.2



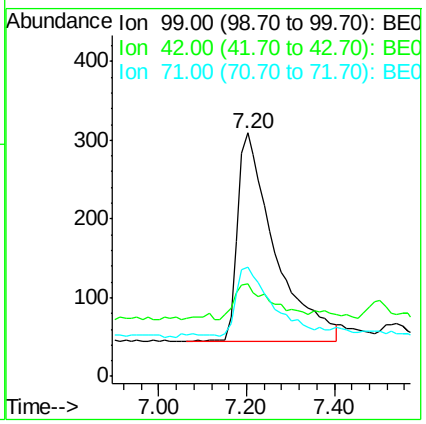


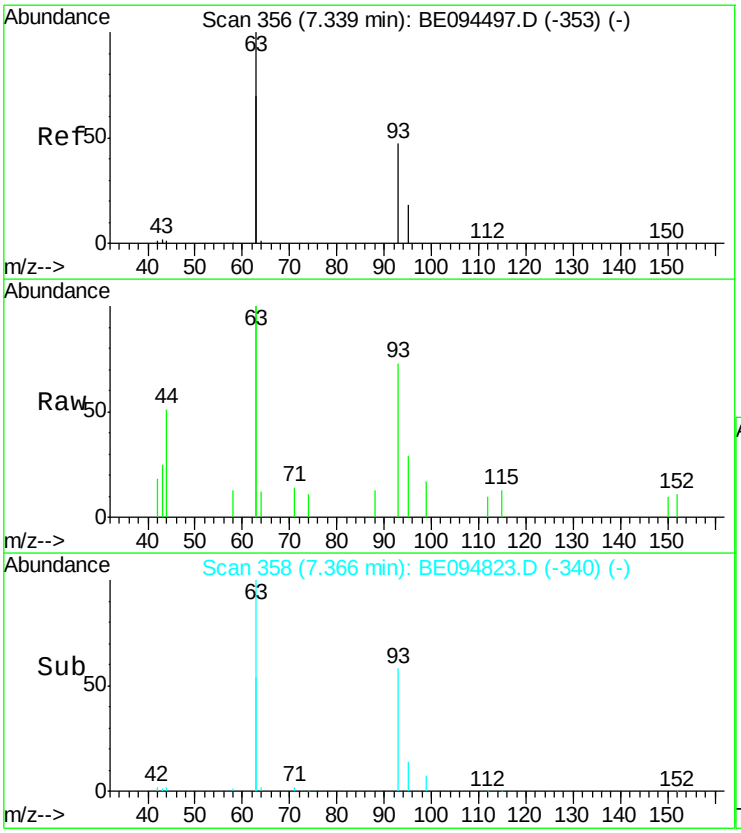
#5
Phenol-d6
Concen: 0.38 ng
RT: 7.20 min Scan# 345
Delta R.T. 0.07 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1541

Ion	Ratio	Lower	Upper
99	100		
42	17.6	20.2	30.2#
71	33.7	28.4	42.6

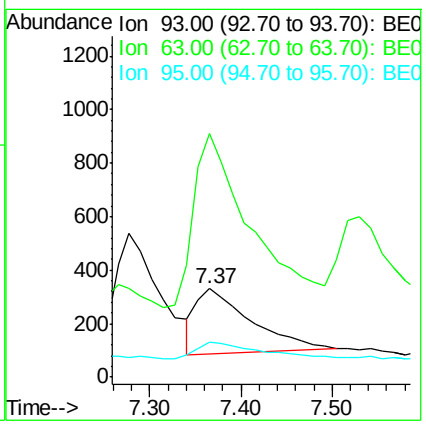


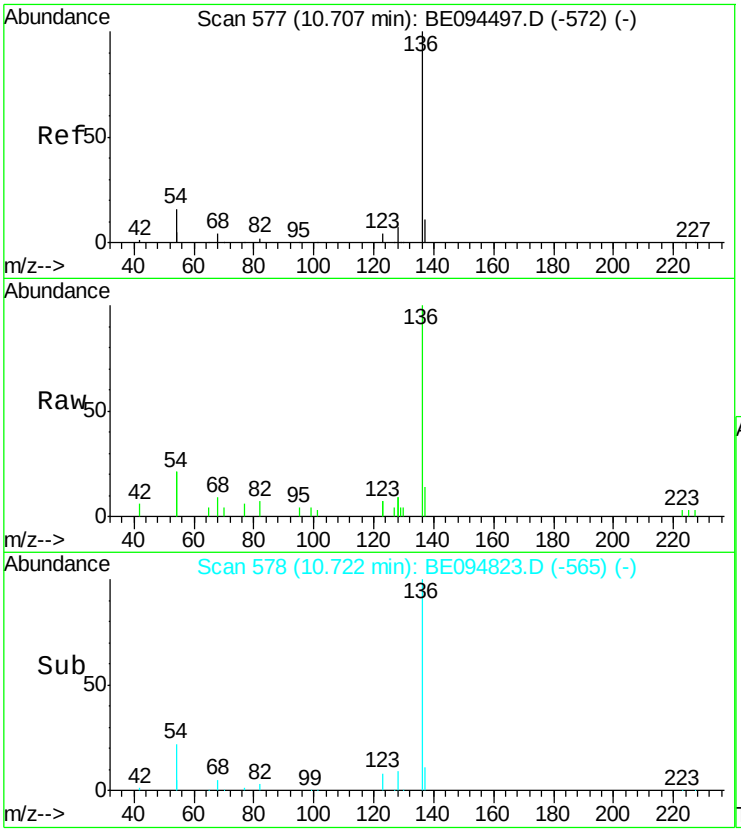


#6
bis(2-Chloroethyl)ether
Concen: 0.32 ng
RT: 7.37 min Scan# 358
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion: 93 Resp: 1010

Ion	Ratio	Lower	Upper
93	100		
63	282.1	275.3	412.9
95	28.0	25.2	37.8



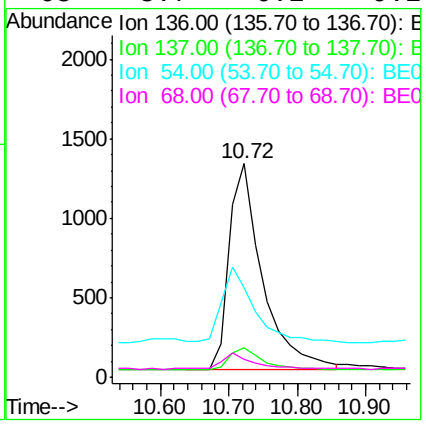


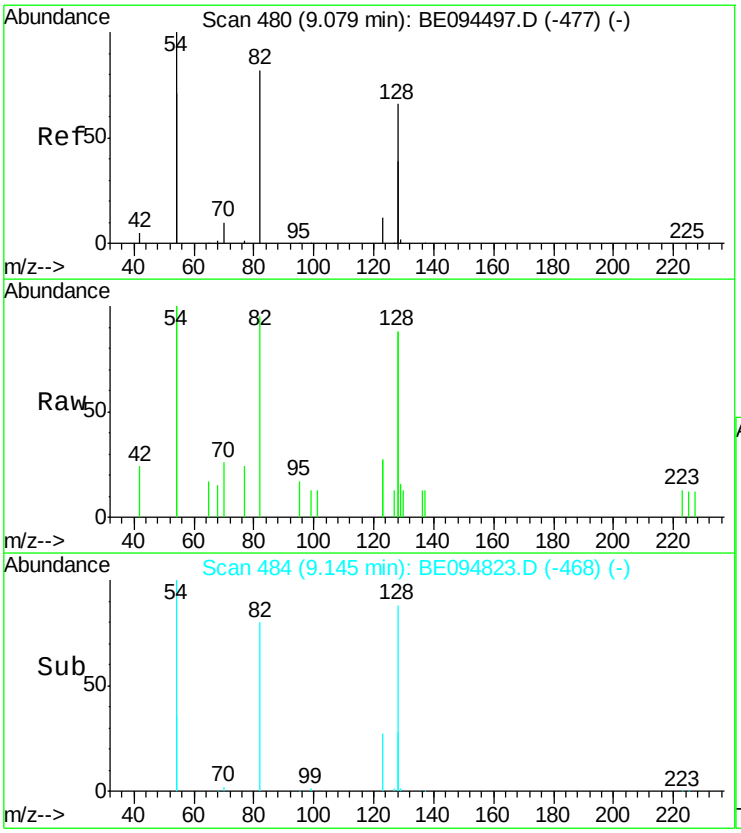
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 10.72 min Scan# 578
Delta R.T. 0.02 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 4401

Ion	Ratio	Lower	Upper
136	100		
137	13.9	9.5	14.3
54	42.1	29.1	43.7
68	8.7	6.2	9.2

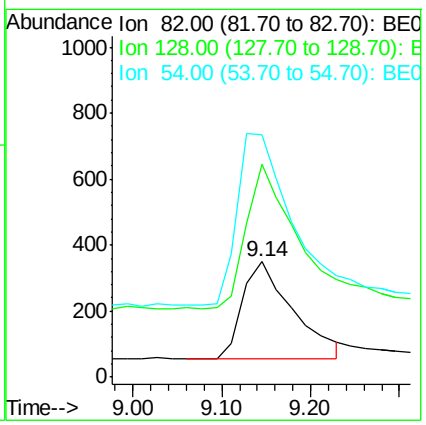


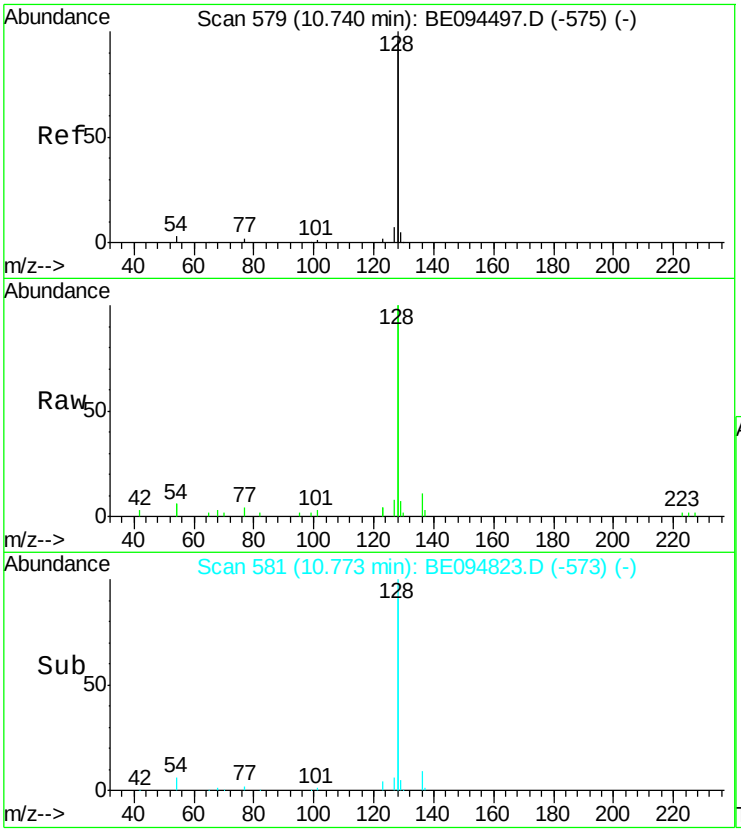


#8
Nitrobenzene-d5
Concen: 0.33 ng
RT: 9.14 min Scan# 484
Delta R.T. 0.07 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion: 82 Resp: 1172

Ion	Ratio	Lower	Upper
82	100		
128	184.0	150.0	225.0
54	210.3	154.2	231.4



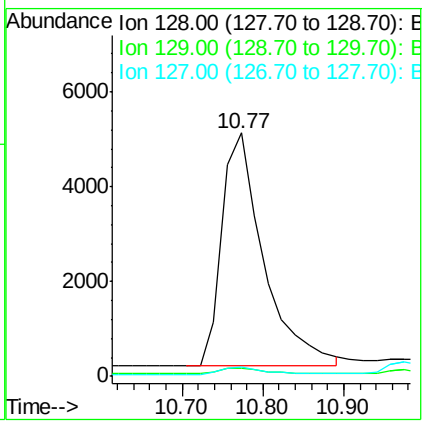


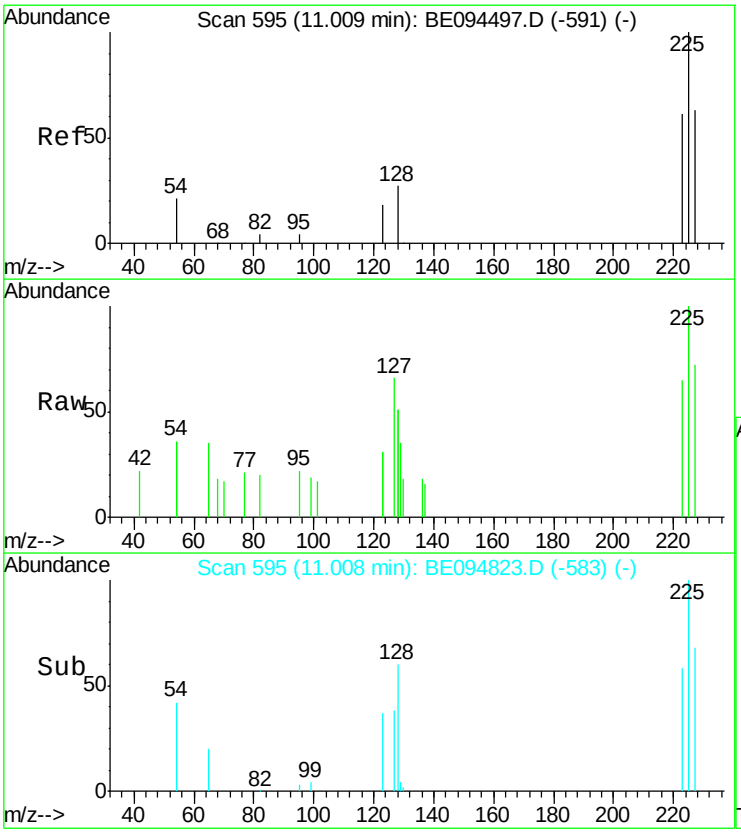
#9
Naphthalene
Concen: 0.36 ng
RT: 10.77 min Scan# 581
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 17705

Ion	Ratio	Lower	Upper
128	100		
129	3.6	2.6	3.8
127	4.0	2.8	4.2

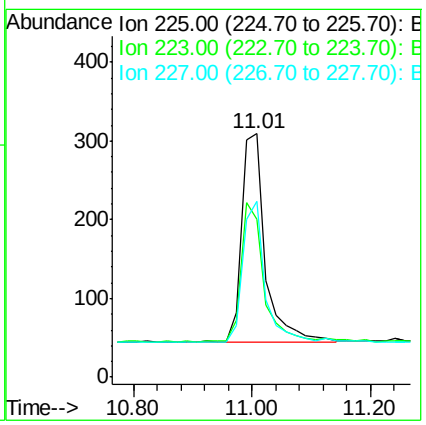


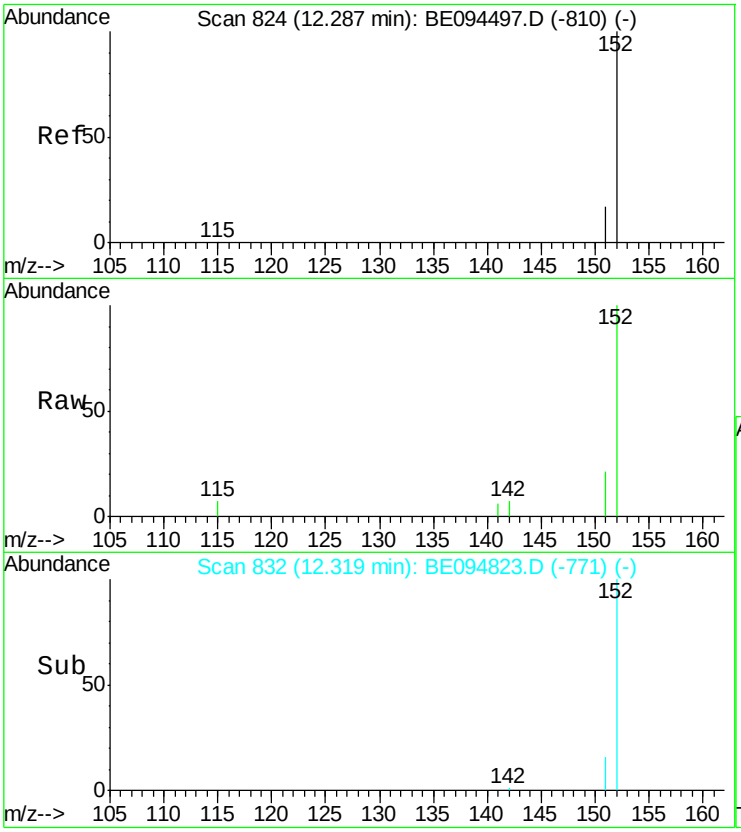


#10
Hexachlorobutadiene
Concen: 0.40 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.00 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:225 Resp: 728

Ion	Ratio	Lower	Upper
225	100		
223	64.7	53.0	79.6
227	65.5	51.4	77.2



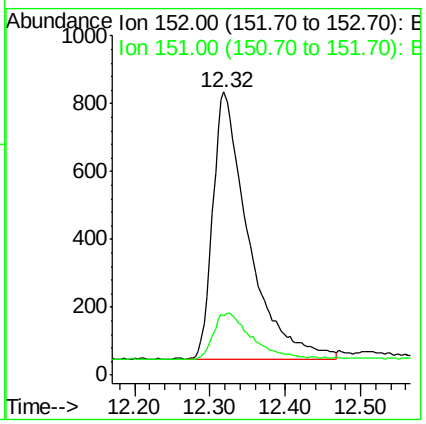


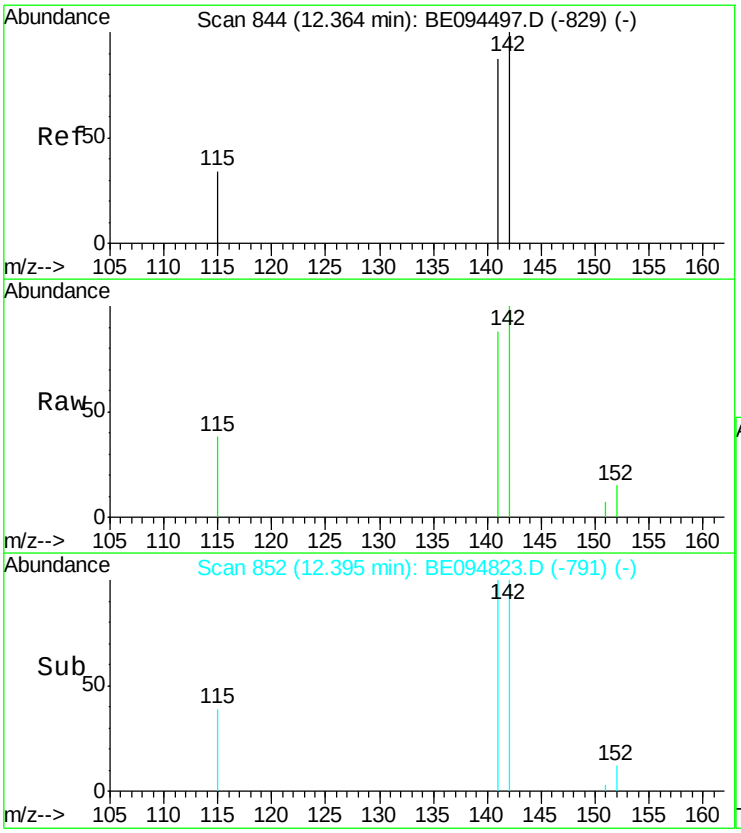
#11
2-Methylnaphthalene-d10
Concen: 0.37 ng
RT: 12.32 min Scan# 832
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 2582

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.4	23.0

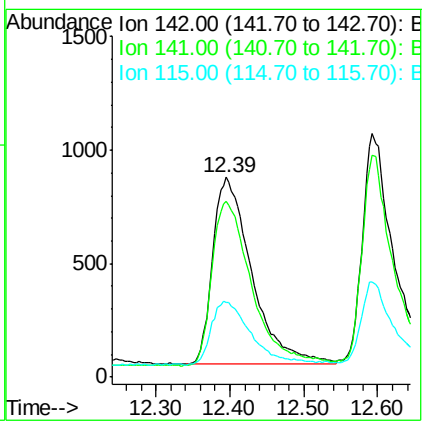


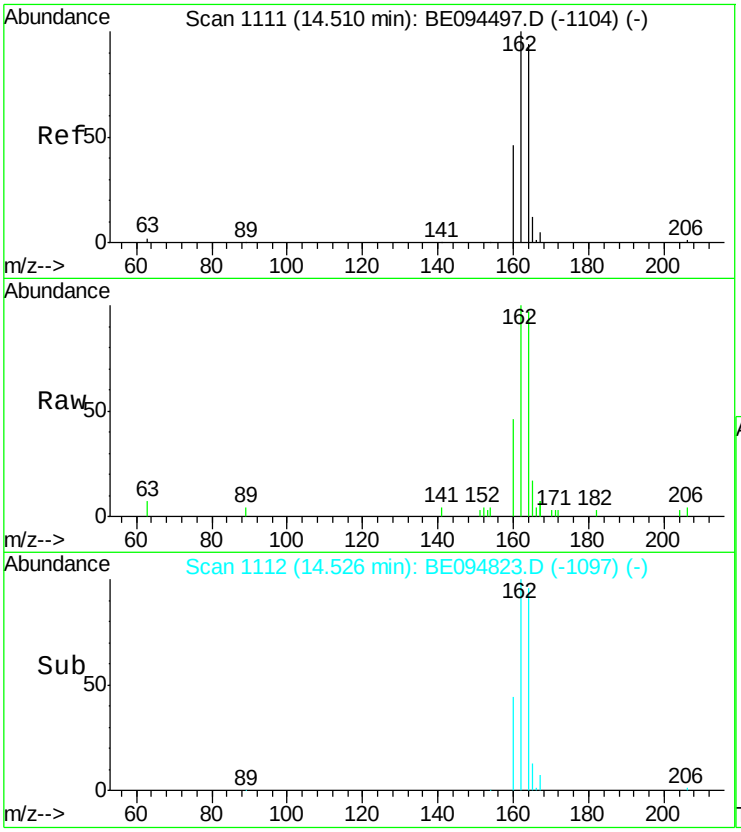


#12
2-Methylnaphthalene
Concen: 0.36 ng
RT: 12.39 min Scan# 852
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:142 Resp: 3035

Ion	Ratio	Lower	Upper
142	100		
141	88.2	70.4	105.6
115	37.5	31.7	47.5



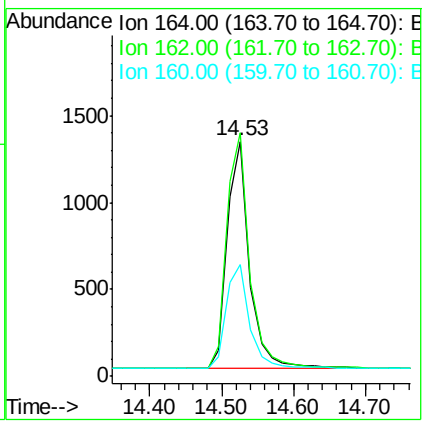


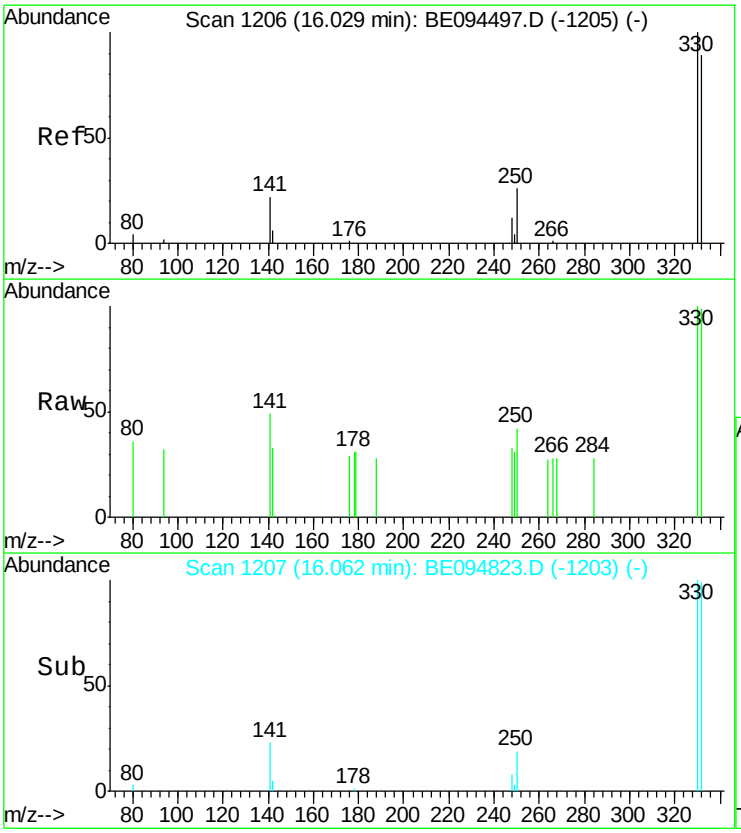
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.02 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2817

Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.1	124.7
160	47.4	37.1	55.7

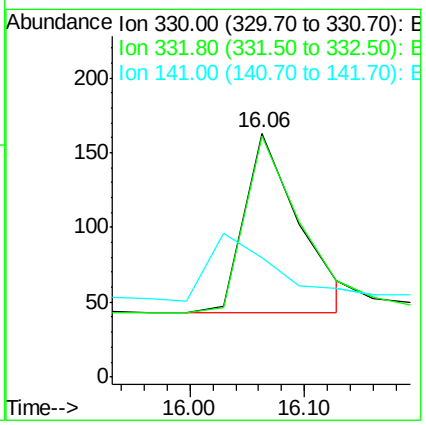


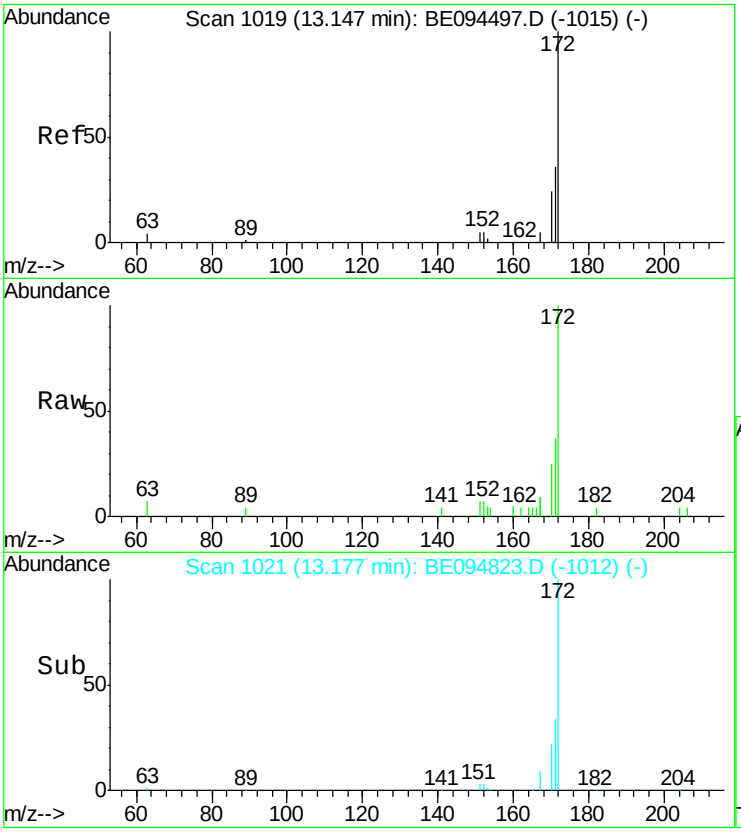


#14
2,4,6-Tribromophenol
Concen: 0.51 ng
RT: 16.06 min Scan# 1207
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:330 Resp: 399

Ion	Ratio	Lower	Upper
330	100		
332	99.5	152.7	229.1#
141	0.0	33.7	50.5#



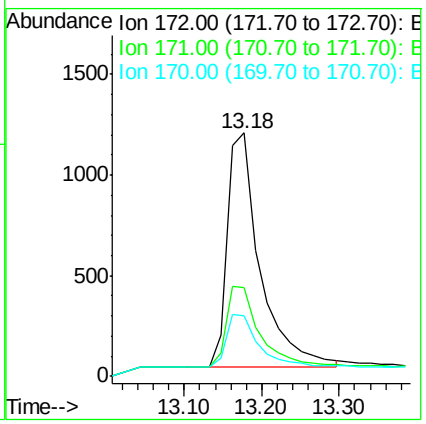


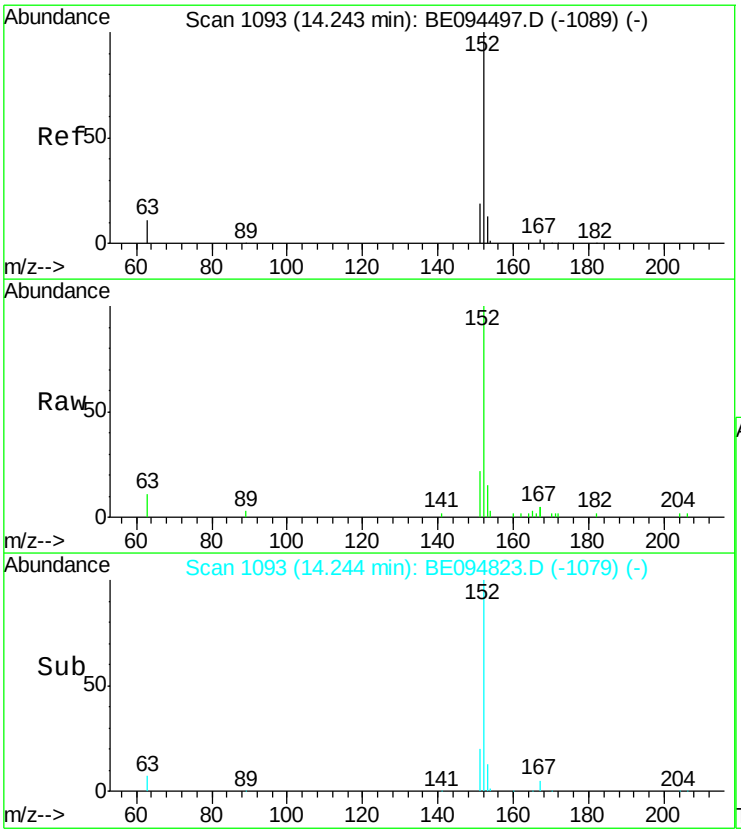
#15
2-Fluorobiphenyl
Concen: 0.35 ng
RT: 13.18 min Scan# 1021
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 3431

Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.9	44.9
170	25.0	21.8	32.8

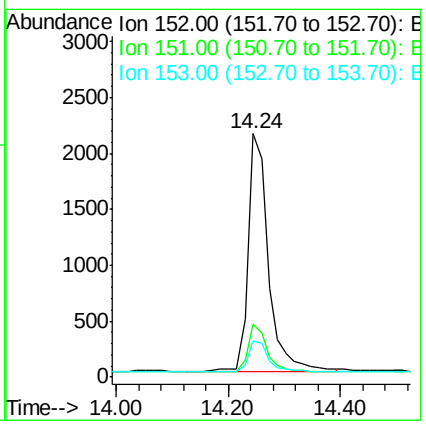


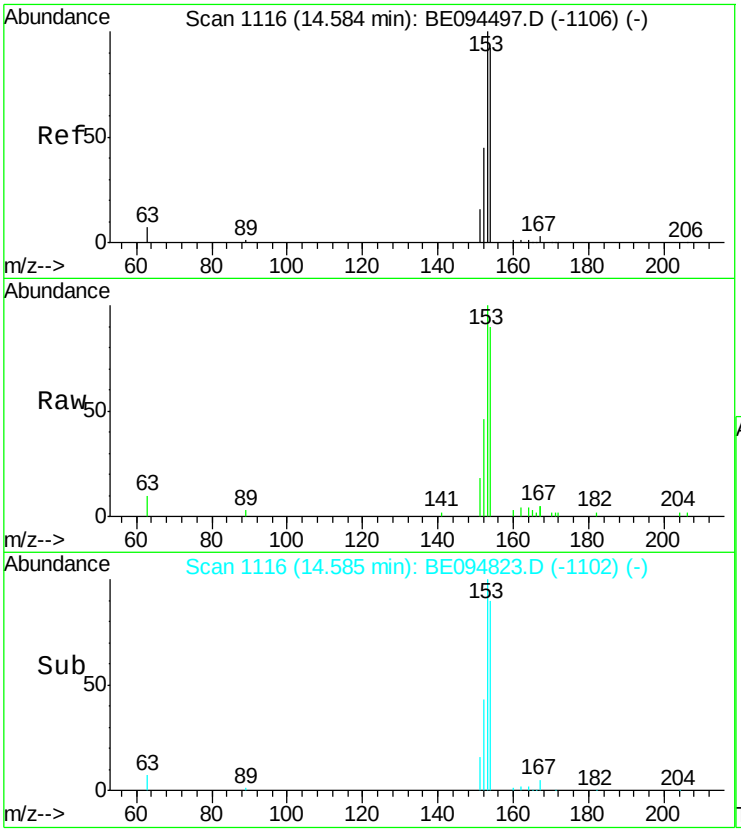


#16
Acenaphthylene
Concen: 0.36 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:152 Resp: 5366

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.7	23.5
153	13.7	10.5	15.7



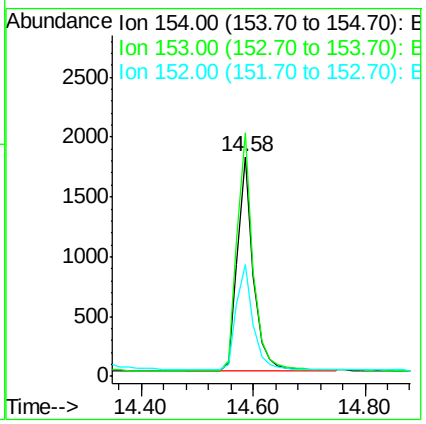


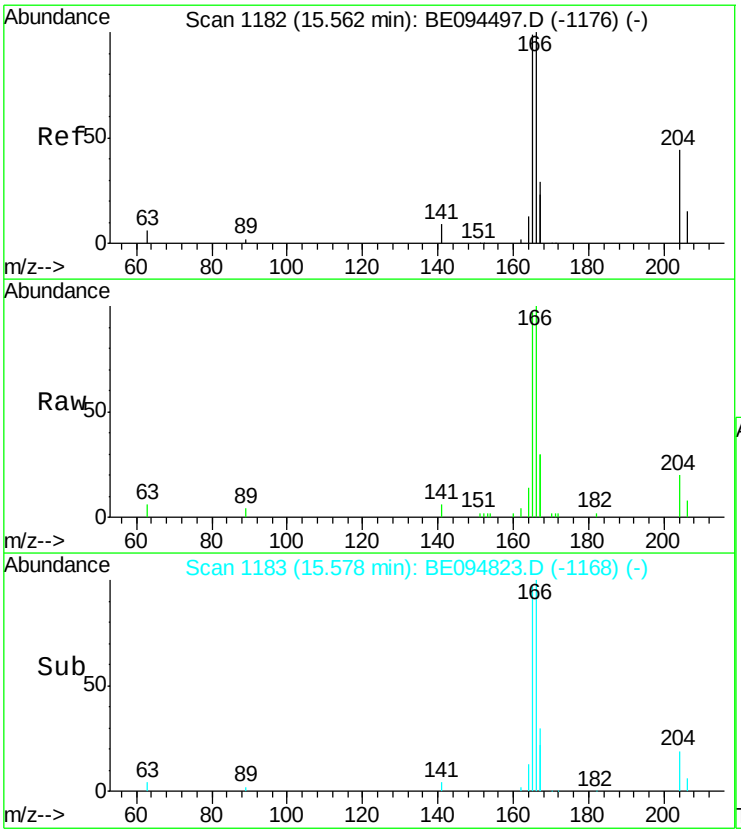
#17
Acenaphthene
Concen: 0.37 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 3556

Ion	Ratio	Lower	Upper
154	100		
153	112.1	89.2	133.8
152	51.5	42.0	63.0

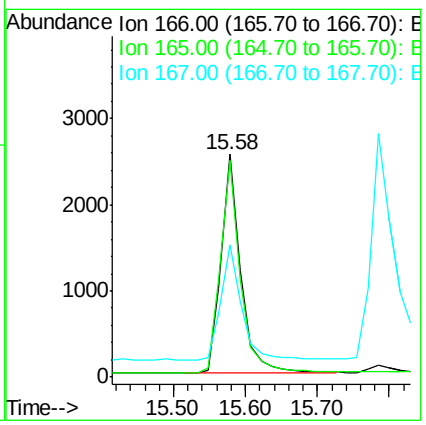


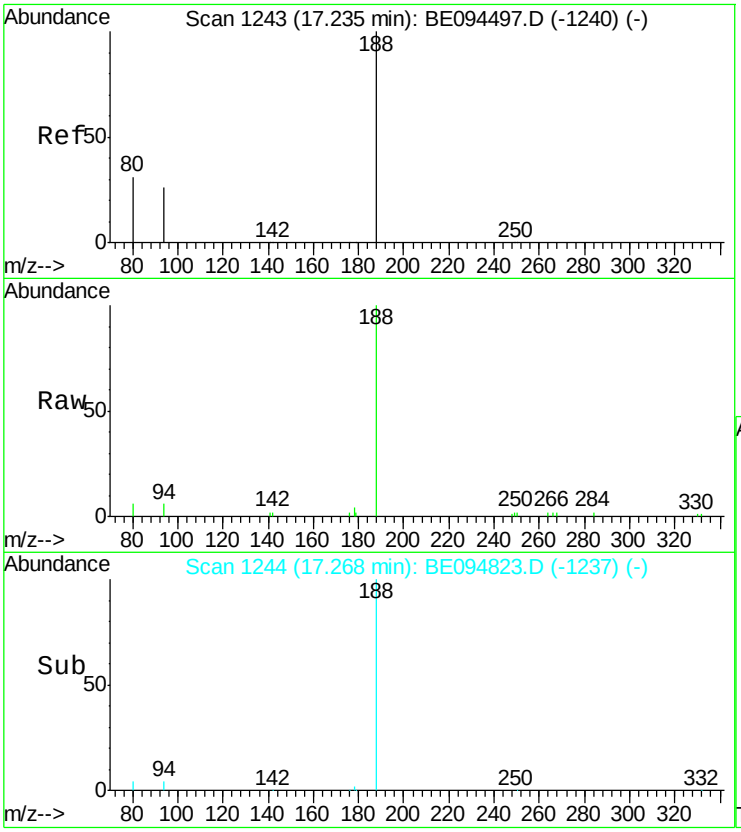


#18
Fluorene
Concen: 0.39 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.02 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:166 Resp: 4813

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.6
167	54.5	42.4	63.6



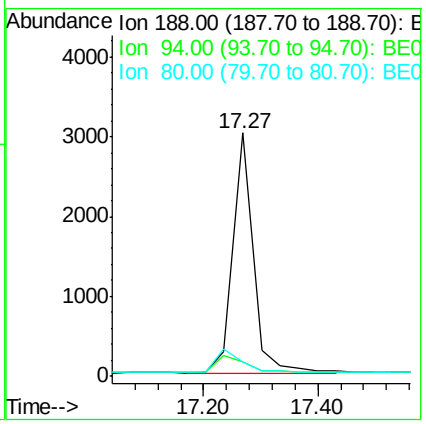


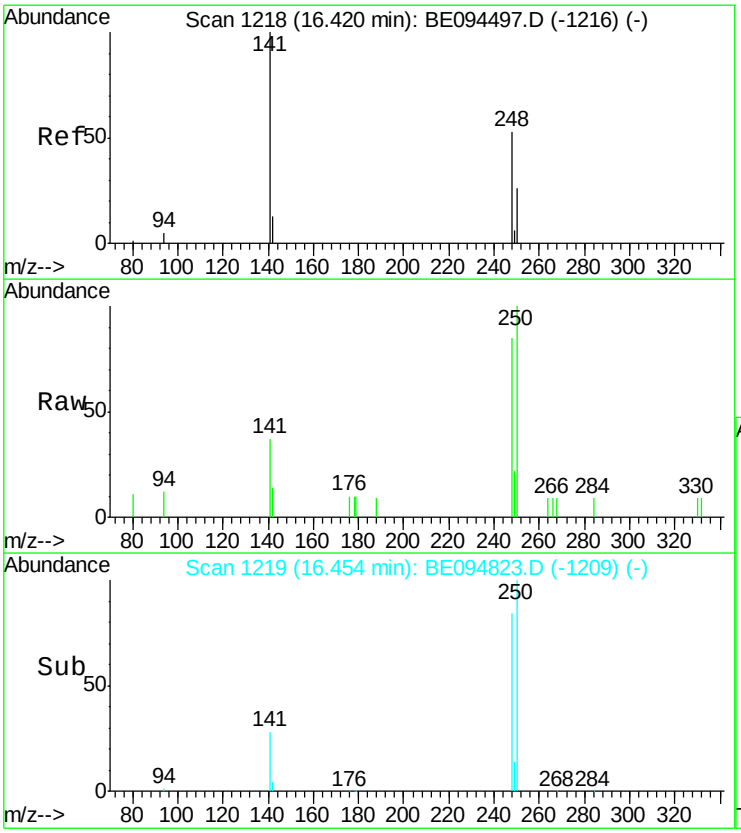
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 7305

Ion	Ratio	Lower	Upper
188	100		
94	6.2	3.9	5.9#
80	5.9	3.6	5.4#

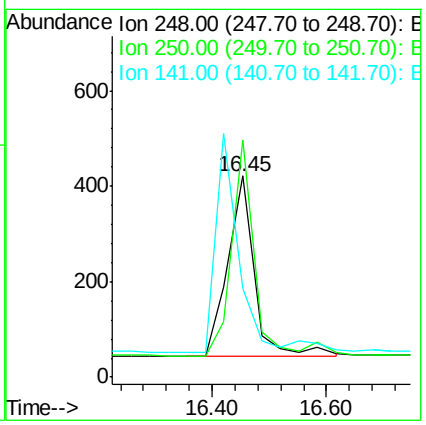


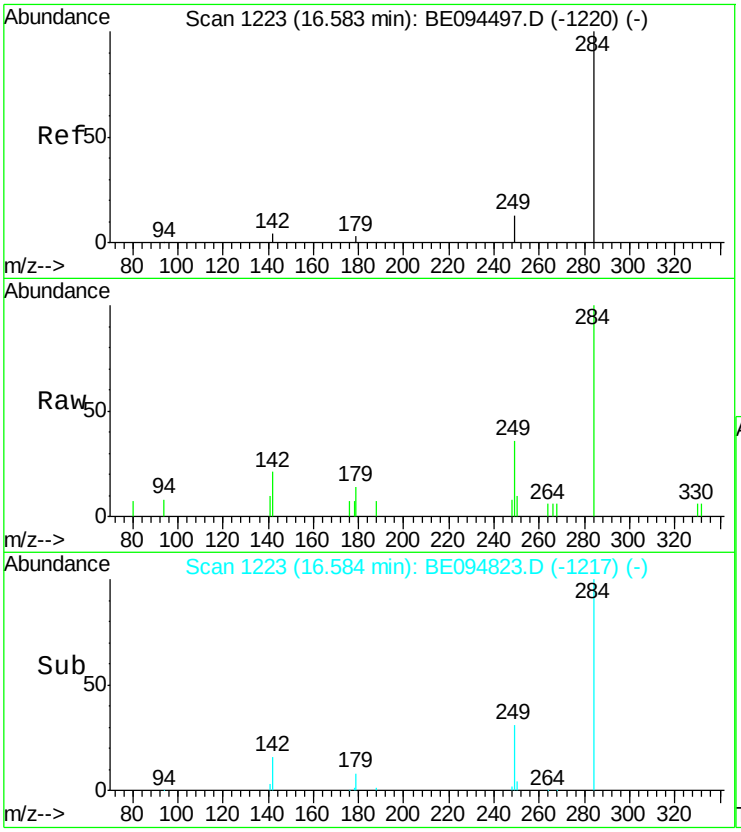


#20
4-Bromophenyl-phenylether
Concen: 0.30 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:248 Resp: 1197

Ion	Ratio	Lower	Upper
248	100		
250	118.3	62.7	94.1#
141	44.2	48.2	72.2#



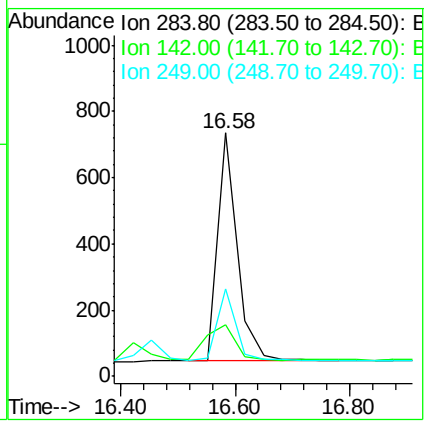


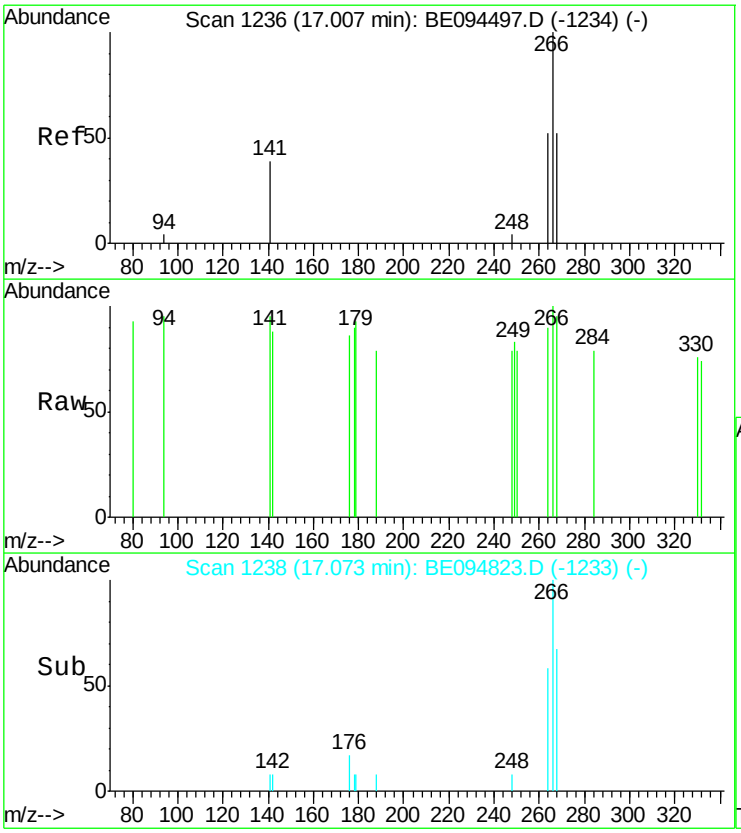
#21
Hexachlorobenzene
Concen: 0.47 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1653

Ion	Ratio	Lower	Upper
284	100		
142	22.7	22.1	33.1
249	29.5	34.8	52.2#

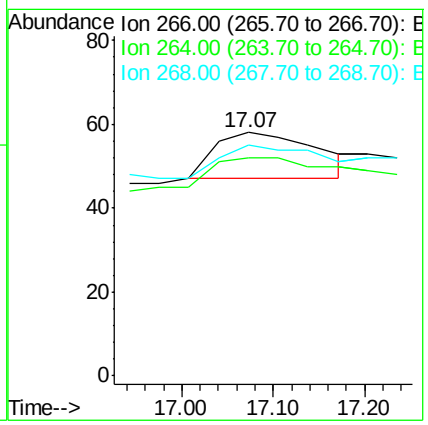


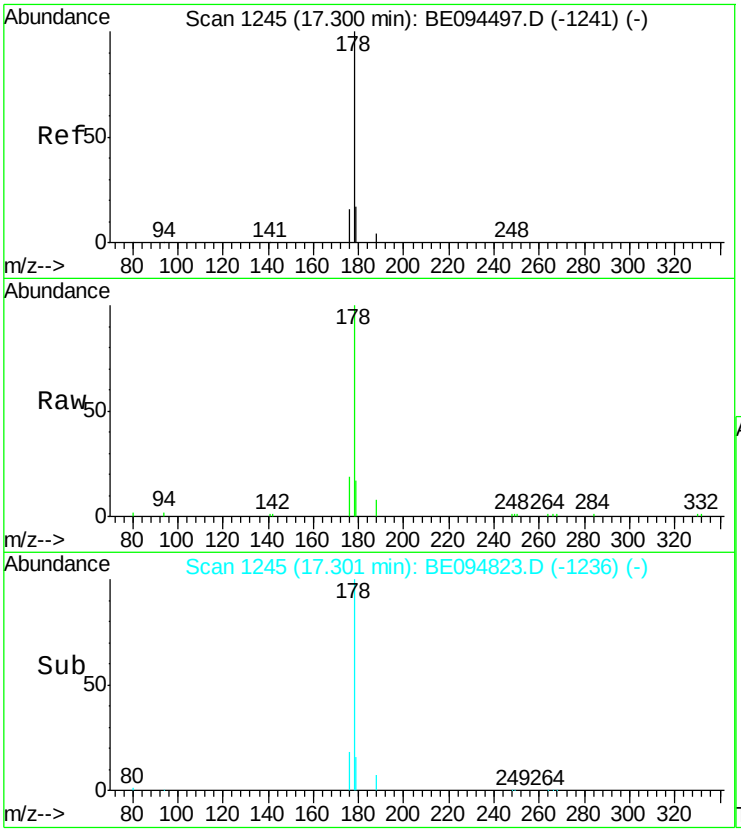


#22
Pentachlorophenol
Concen: 0.19 ng
RT: 17.07 min Scan# 1238
Delta R.T. 0.07 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:266 Resp: 86

Ion	Ratio	Lower	Upper
266	100		
264	89.7	72.5	108.7
268	94.8	73.8	110.6



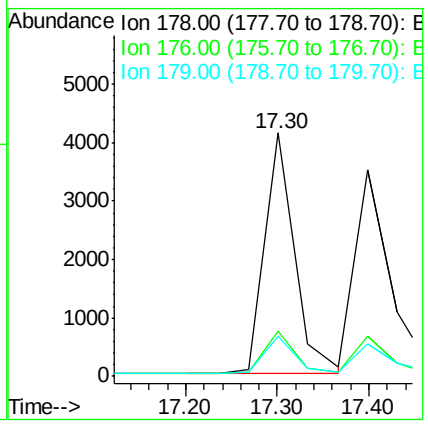


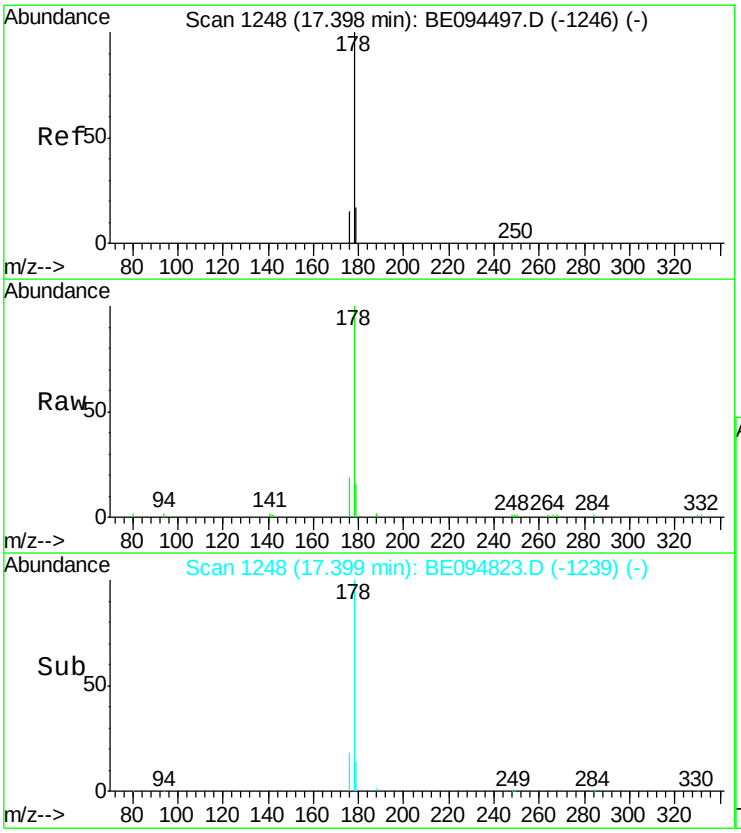
#23
Phenanthrene
Concen: 0.50 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 9396

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.1	22.7
179	15.9	11.8	17.6

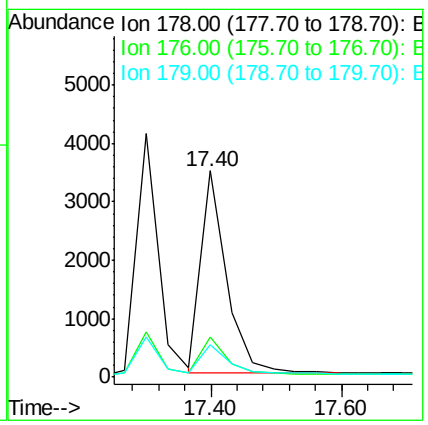


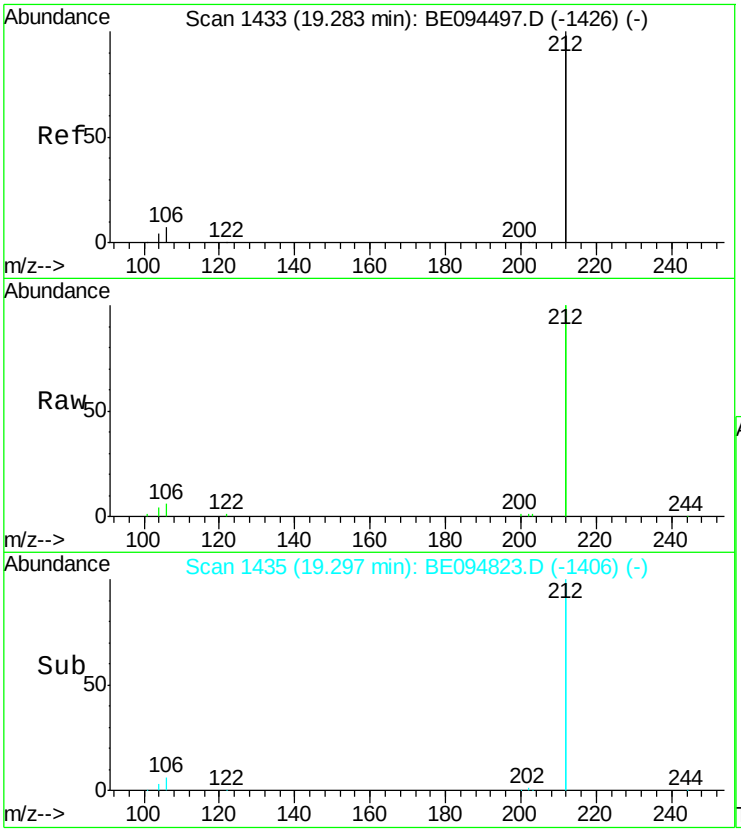


#24
Anthracene
Concen: 0.44 ng
RT: 17.40 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:178 Resp: 9399

Ion	Ratio	Lower	Upper
178	100		
176	17.5	12.8	19.2
179	15.3	13.0	19.6



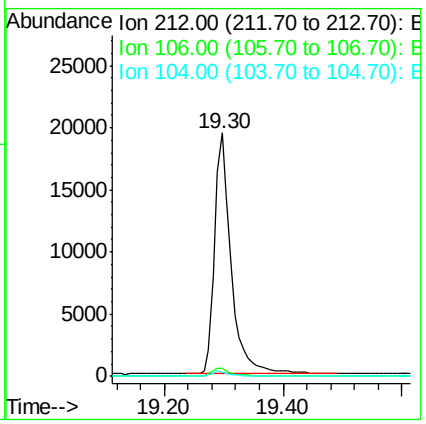


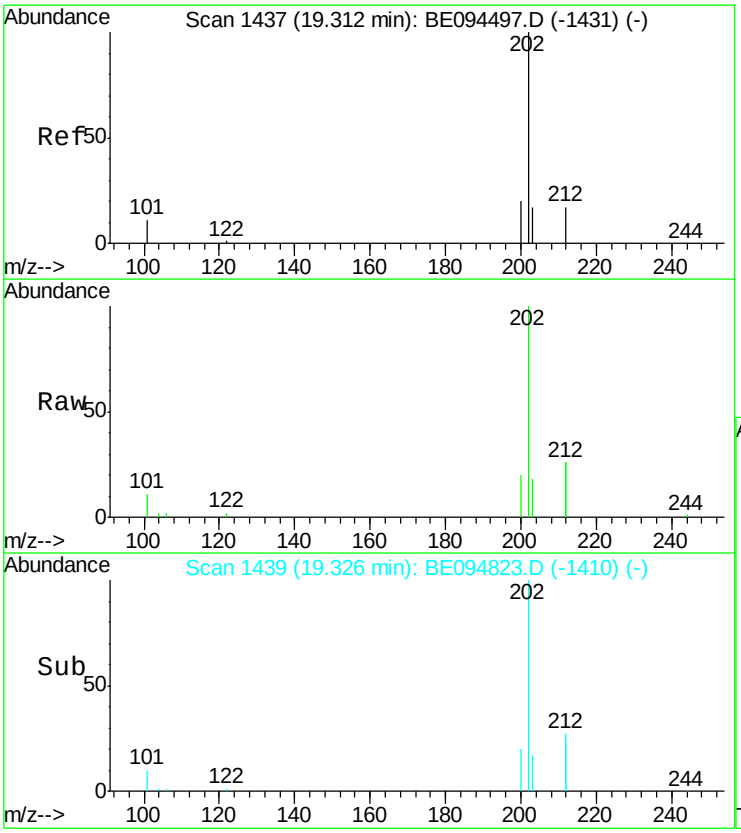
#25
Fluoranthene-d10
Concen: 0.42 ng
RT: 19.30 min Scan# 1435
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 37547

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.9	1.6	2.4

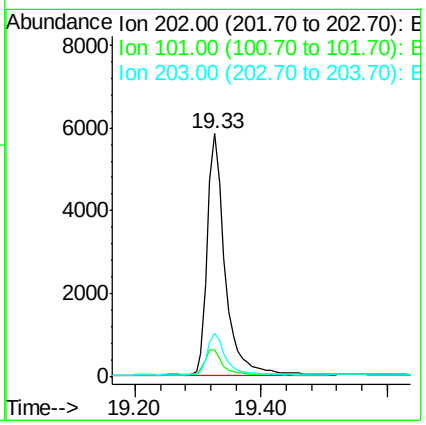


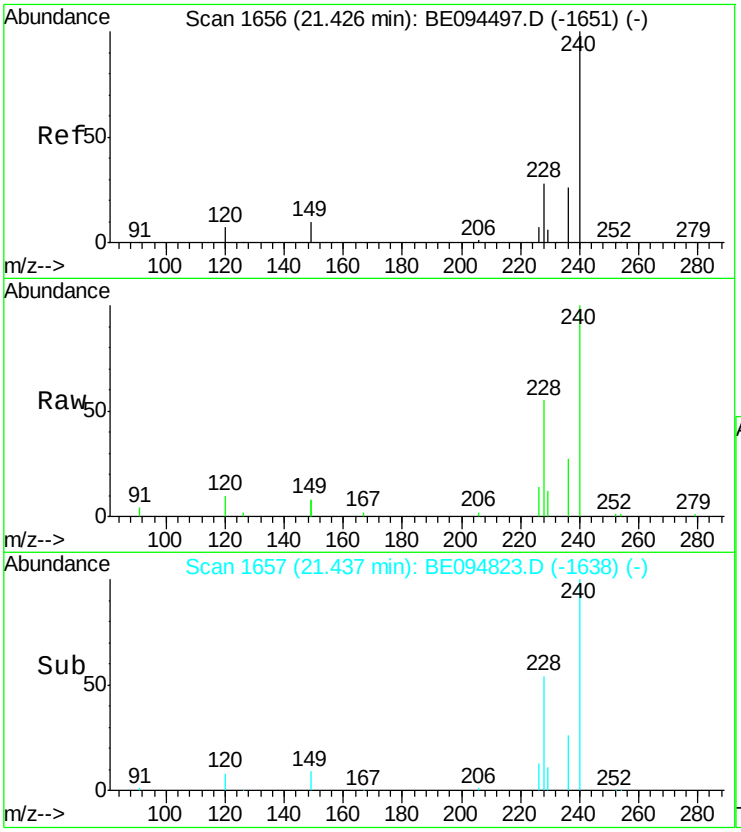


#26
Fluoranthene
Concen: 0.42 ng
RT: 19.33 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:202 Resp: 11365

Ion	Ratio	Lower	Upper
202	100		
101	10.8	9.8	14.8
203	17.2	13.7	20.5



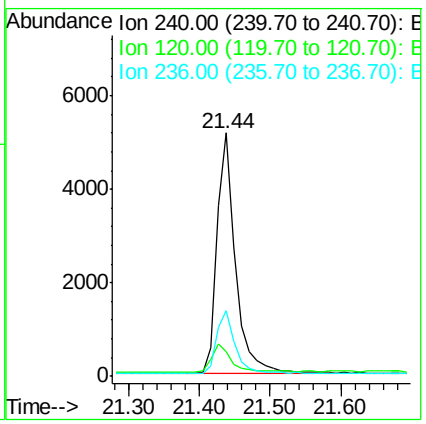


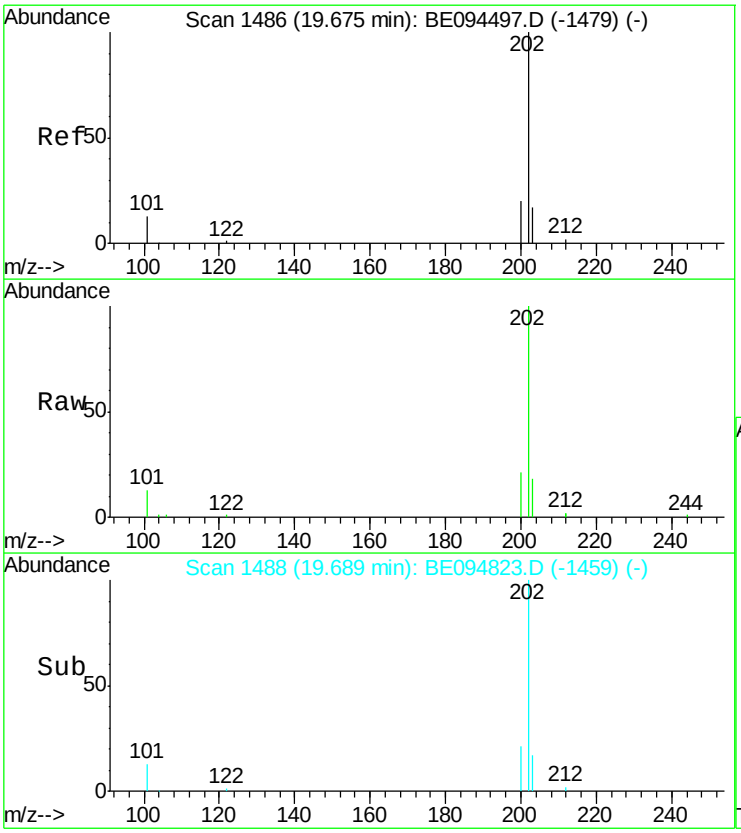
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.44 min Scan# 1657
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 9476

Ion	Ratio	Lower	Upper
240	100		
120	10.2	5.5	8.3#
236	27.2	20.7	31.1

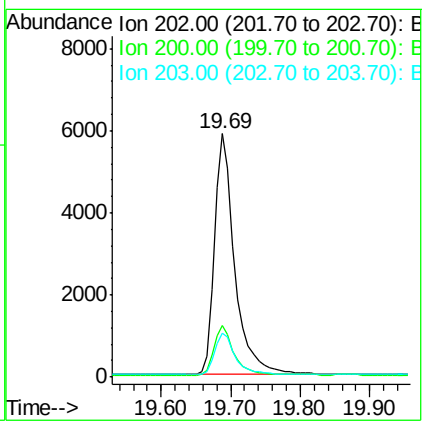


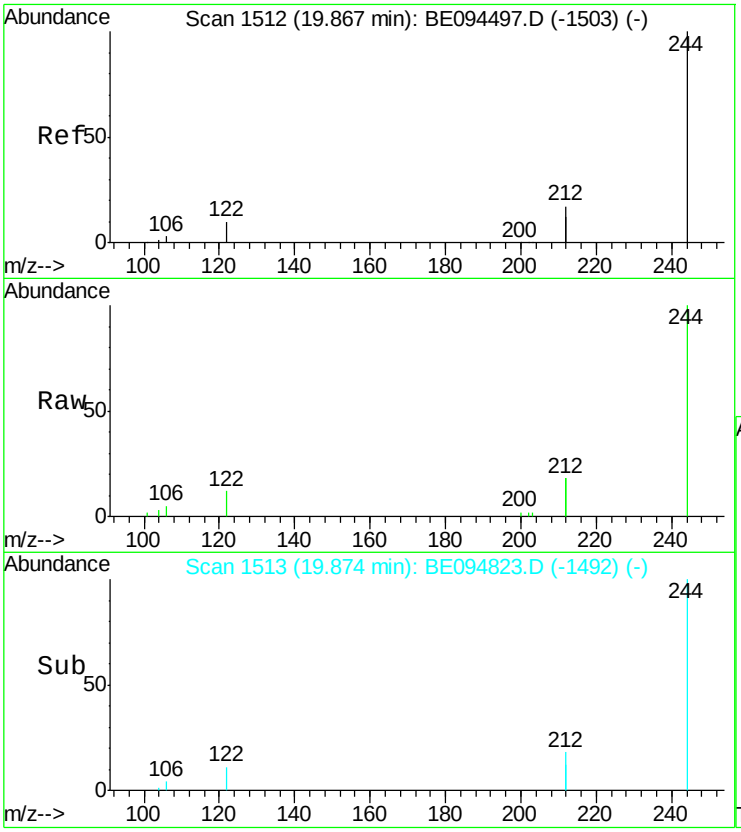


#28
Pyrene
Concen: 0.36 ng
RT: 19.69 min Scan# 1488
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:202 Resp: 11882

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.6	25.0
203	17.8	13.8	20.8



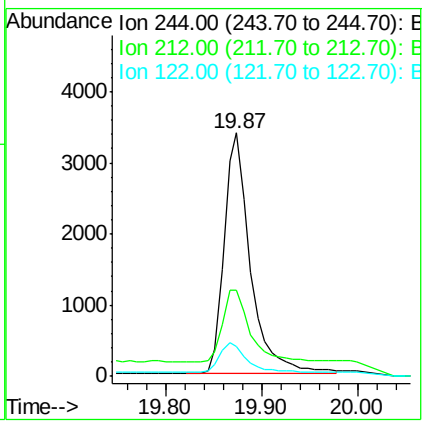


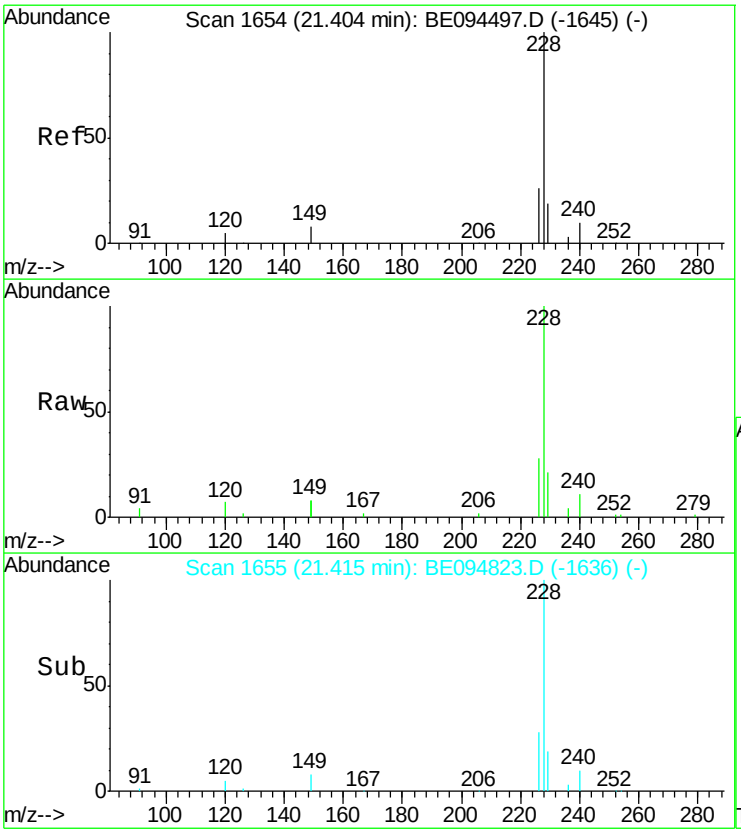
#29
Terphenyl-d14
Concen: 0.36 ng
RT: 19.87 min Scan# 1513
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 6358

Ion	Ratio	Lower	Upper
244	100		
212	35.7	25.4	38.0
122	12.4	8.1	12.1#

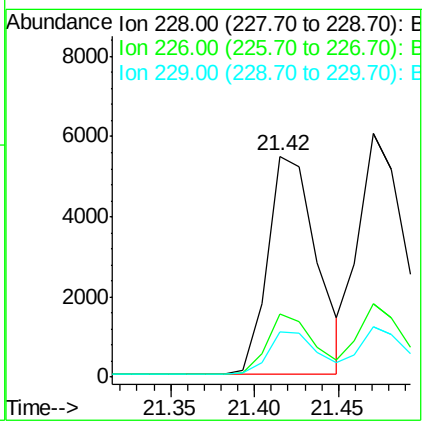


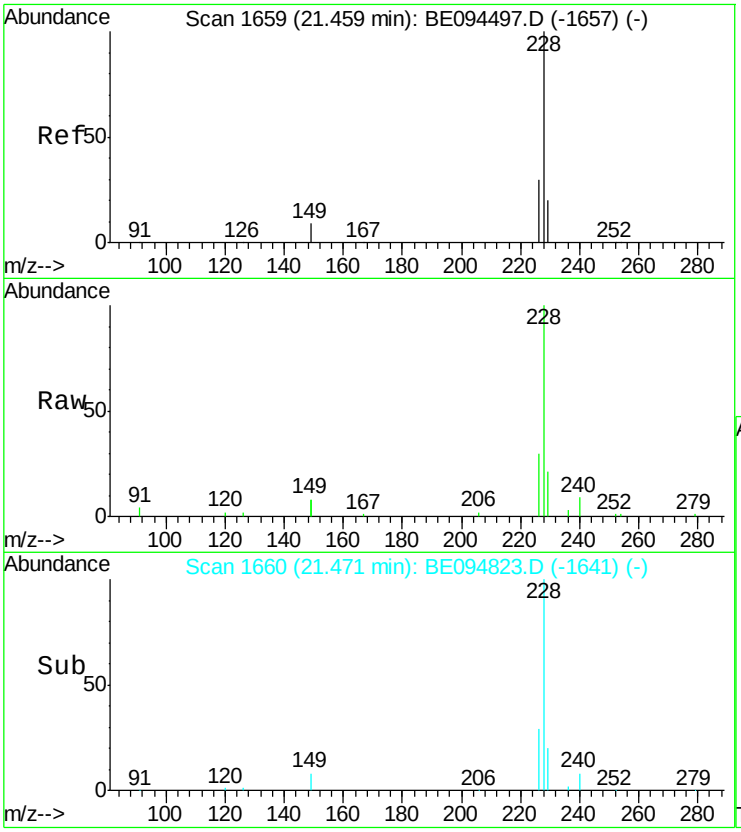


#30
Benzo(a)anthracene
Concen: 0.36 ng
RT: 21.42 min Scan# 1655
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:228 Resp: 11156

Ion	Ratio	Lower	Upper
228	100		
226	28.5	40.0	60.0#
229	20.5	40.0	60.0#



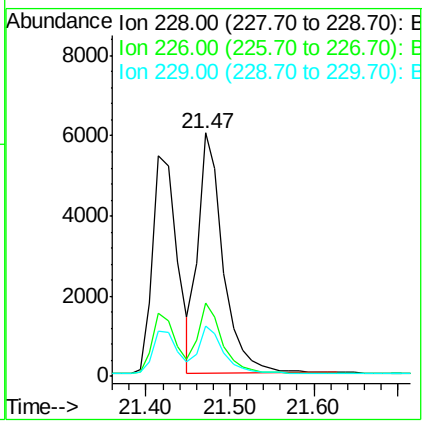


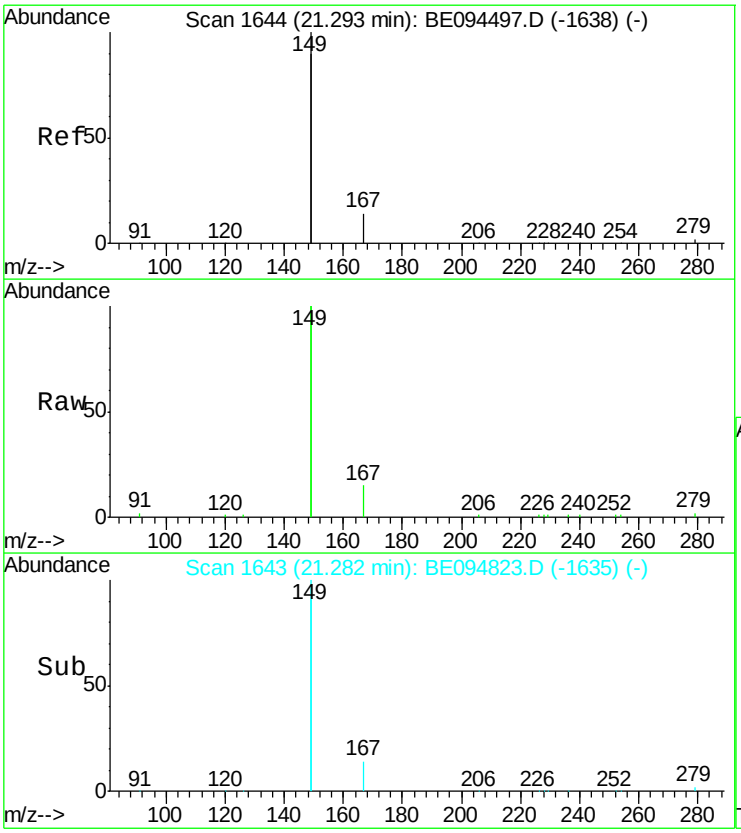
#31
Chrysene
Concen: 0.40 ng
RT: 21.47 min Scan# 1660
Delta R.T. 0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 12538

Ion	Ratio	Lower	Upper
228	100		
226	30.1	40.0	60.0#
229	20.5	40.0	60.0#

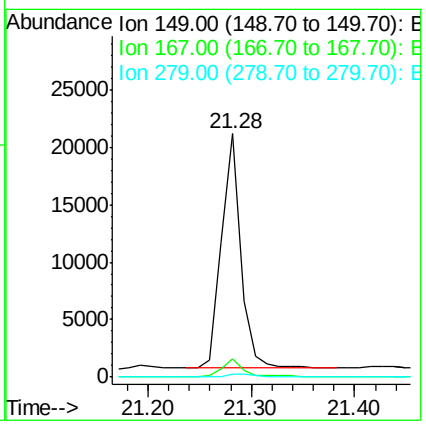


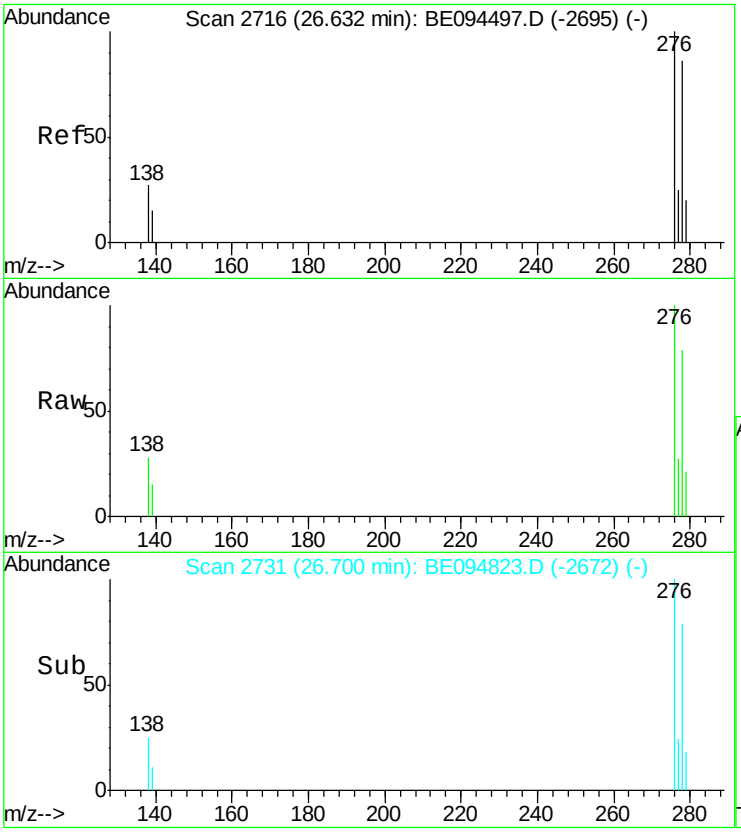


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.35 ng
RT: 21.28 min Scan# 1643
Delta R.T. -0.01 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:149 Resp: 26209

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.0
279	1.1	0.7	1.1



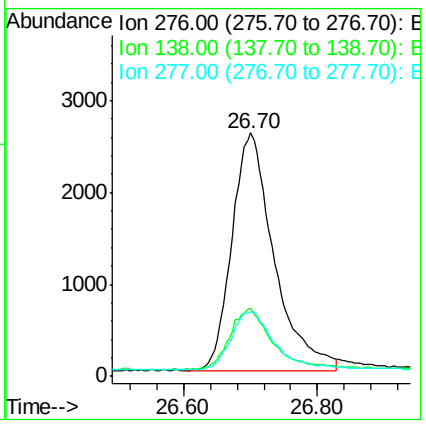


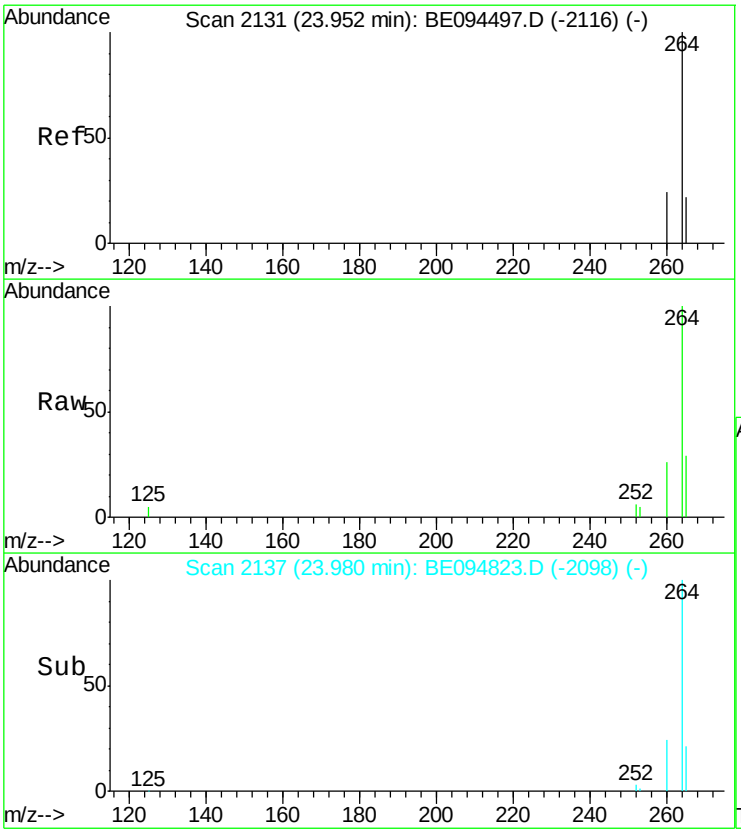
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.39 ng
RT: 26.70 min Scan# 2731
Delta R.T. 0.07 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 11317

Ion	Ratio	Lower	Upper
276	100		
138	25.3	22.5	33.7
277	25.5	19.9	29.9

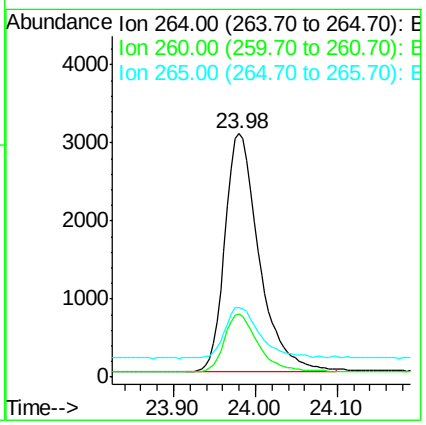


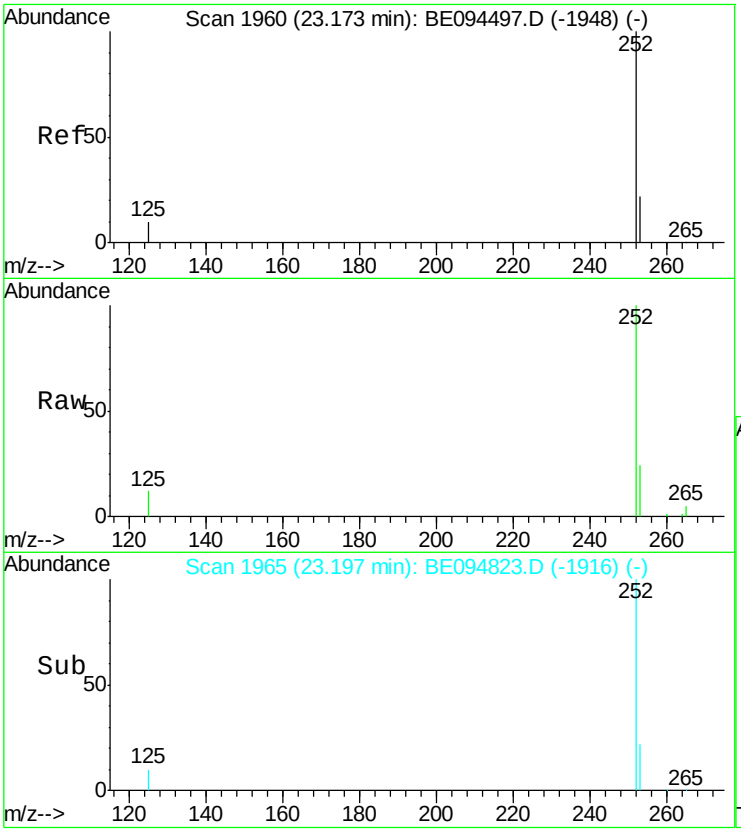


#34
Perylene-d12
Concen: 0.40 ng
RT: 23.98 min Scan# 2137
Delta R.T. 0.03 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:264 Resp: 8880

Ion	Ratio	Lower	Upper
264	100		
260	25.8	20.5	30.7
265	28.7	22.8	34.2



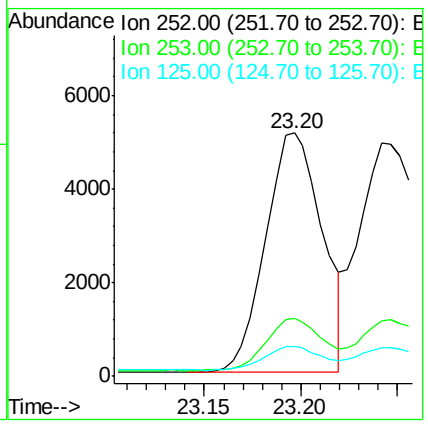


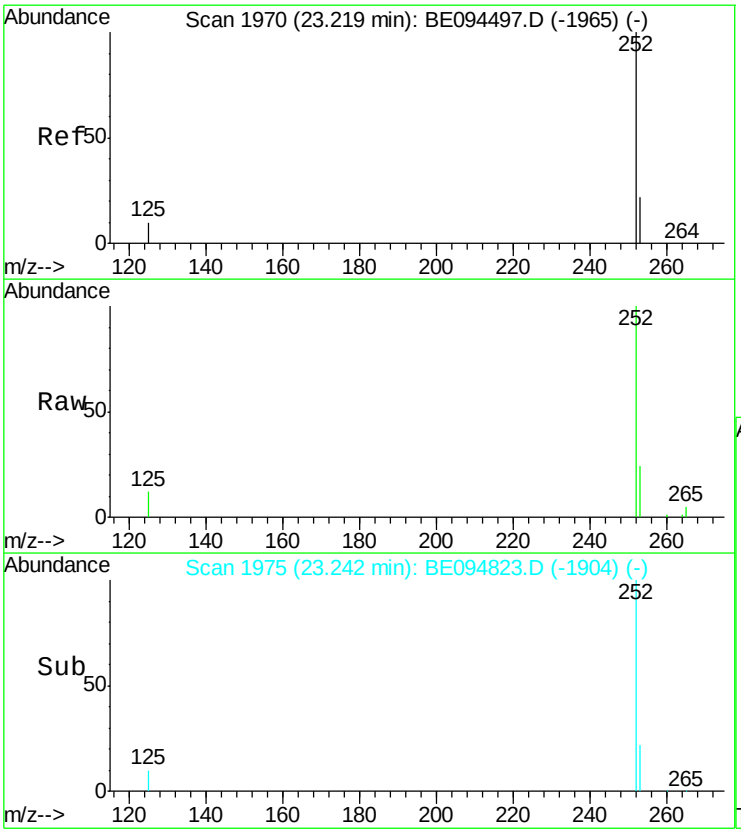
#35
Benzo(b)fluoranthene
Concen: 0.36 ng
RT: 23.20 min Scan# 1965
Delta R.T. 0.02 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 10459

Ion	Ratio	Lower	Upper
252	100		
253	24.1	48.0	72.0#
125	12.1	56.0	84.0#

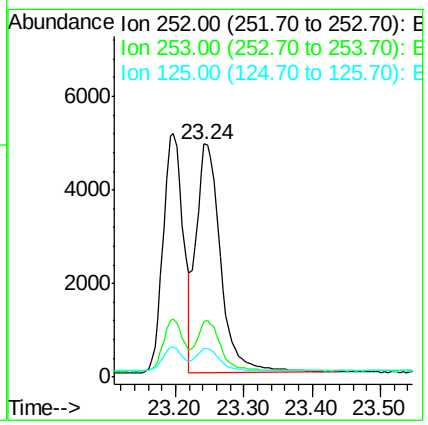


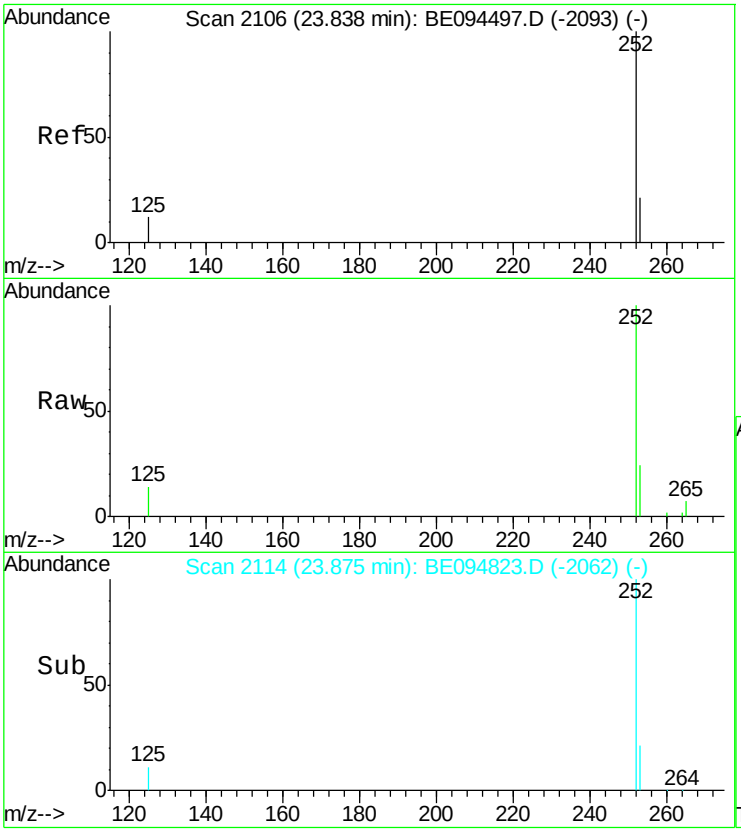


#36
Benzo(k)fluoranthene
Concen: 0.40 ng
RT: 23.24 min Scan# 1975
Delta R.T. 0.02 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:252 Resp: 12218

Ion	Ratio	Lower	Upper
252	100		
253	23.8	48.0	72.0#
125	12.2	56.0	84.0#



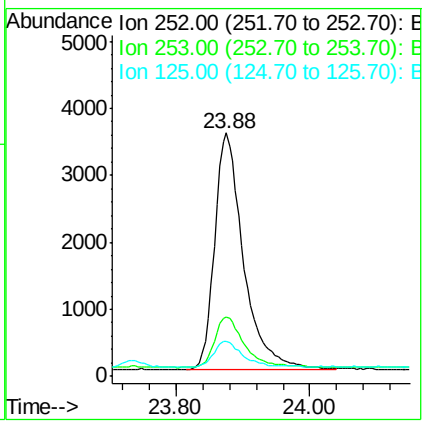


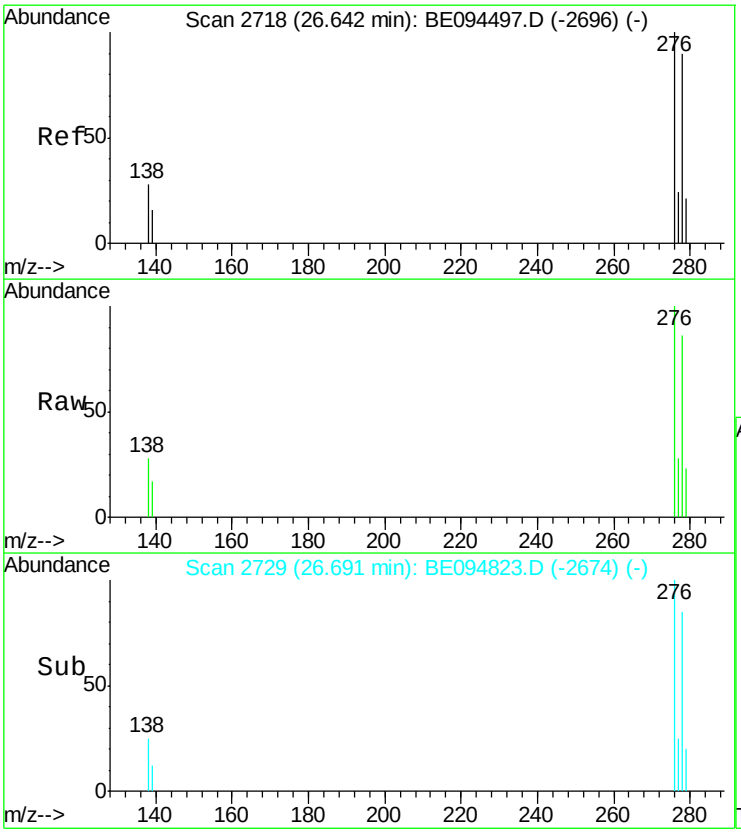
#37
Benzo(a)pyrene
Concen: 0.38 ng
RT: 23.88 min Scan# 2114
Delta R.T. 0.04 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 10639

Ion	Ratio	Lower	Upper
252	100		
253	24.3	52.0	78.0#
125	14.3	68.0	102.0#

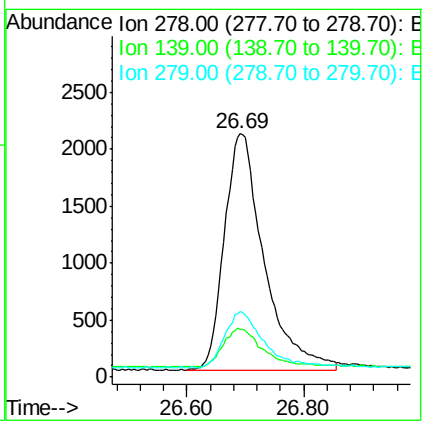


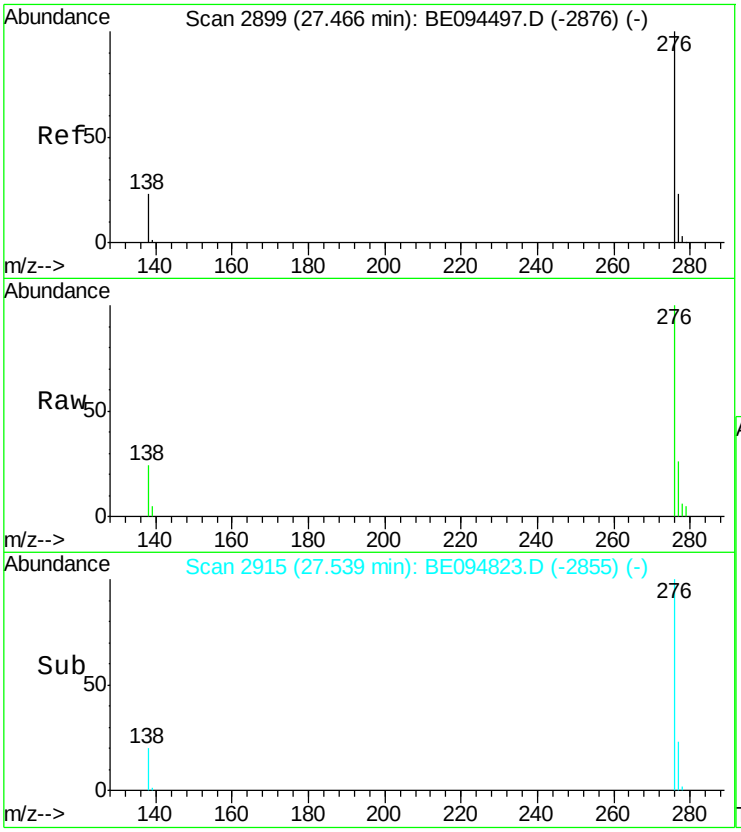


#38
Dibenzo(a,h)anthracene
Concen: 0.39 ng
RT: 26.69 min Scan# 2729
Delta R.T. 0.05 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Tgt Ion:278 Resp: 9799

Ion	Ratio	Lower	Upper
278	100		
139	19.7	56.0	84.0#
279	26.8	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.41 ng
RT: 27.54 min Scan# 2915
Delta R.T. 0.07 min
Lab File: BE094823.D
Acq: 15 Nov 2017 20:12

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 9685

Ion	Ratio	Lower	Upper
276	100		
277	25.9	52.0	78.0#
138	24.0	44.0	66.0#