Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
Data File : BE094458.D
Acq On : 19 Oct 2017 22:42
Operator : SJ/JU
Sample : I5819-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : 3911-SPP4

Quant Time: Oct 20 12:43:12 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1468	0.40	ng	-0.02
7) Naphthalene-d8	10.69	136	7714	0.40	ng	-0.02
13) Acenaphthene-d10	14.51	164	4607	0.40	ng	-0.01
19) Phenanthrene-d10	17.24	188	12462	0.40	ng	-0.03
27) Chrysene-d12	21.42	240	10707	0.40	ng	-0.01
34) Perylene-d12	23.94	264	10069	0.40	ng	-0.03
System Monitoring Compounds						
4) 2-Fluorophenol	5.53	112	981	0.20	ng	0.00
5) Phenol-d6	7.14	99	857	0.11	ng	0.00
8) Nitrobenzene-d5	9.06	82	2820	0.42	ng	-0.02
11) 2-Methylnaphthalene-d10	12.28	152	5215	0.44	ng	-0.01
14) 2,4,6-Tribromophenol	16.03	330	524	0.30	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7417	0.45	ng	0.00
25) Fluoranthene-d10	19.28	212	54417	0.27	ng	-0.01
29) Terphenyl-d14	19.85	244	10985	0.51	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.42	88	347	0.077	ng	# 20
3) n-Nitrosodimethylamine	3.73	42	77	0.030	ng	# 1
6) bis(2-Chloroethyl)ether	7.26	93	519	0.091	ng	# 1
9) Naphthalene	10.74	128	346	0.004	ng	# 64
10) Hexachlorobutadiene	11.01	225	4	0.001	ng	# 33
12) 2-Methylnaphthalene	12.35	142	33	0.002	ng	# 43
16) Acenaphthylene	14.24	152	383	0.015	ng	# 76
17) Acenaphthene	14.57	154	18	0.001	ng	# 1
18) Fluorene	15.56	166	96	0.005	ng	# 65
20) 4-Bromophenyl-phenylether	16.45	248	12	0.002	ng	# 1
21) Hexachlorobenzene	16.58	284	14	0.028	ng	# 38
22) Pentachlorophenol	16.94	266	121	0.249	ng	96
23) Phenanthrene	17.37	178	966	0.020	ng	# 80
24) Anthracene	17.37	178	1019	0.027	ng	# 73
26) Fluoranthene	19.30	202	311	0.005	ng	# 74
28) Pyrene	19.67	202	285	0.007	ng	# 60
30) Benzo(a)anthracene	21.40	228	231	0.006	ng	# 47
31) Chrysene	21.46	228	228	0.006	ng	# 48
32) Bis(2-ethylhexyl)phthalate	21.29	149	6485	0.061	ng	# 99
33) Indeno(1,2,3-cd)pyrene	26.62	276	182	0.005	ng	# 55
35) Benzo(b)fluoranthene	23.17	252	275	0.008	ng	# 40
36) Benzo(k)fluoranthene	23.17	252	275	0.008	ng	# 40
37) Benzo(a)pyrene	23.83	252	114	0.004	ng	# 32
38) Dibenzo(a,h)anthracene	26.62	278	49	0.002	ng	# 3
39) Benzo(g,h,i)perylene	27.46	276	162	0.006	ng	# 48

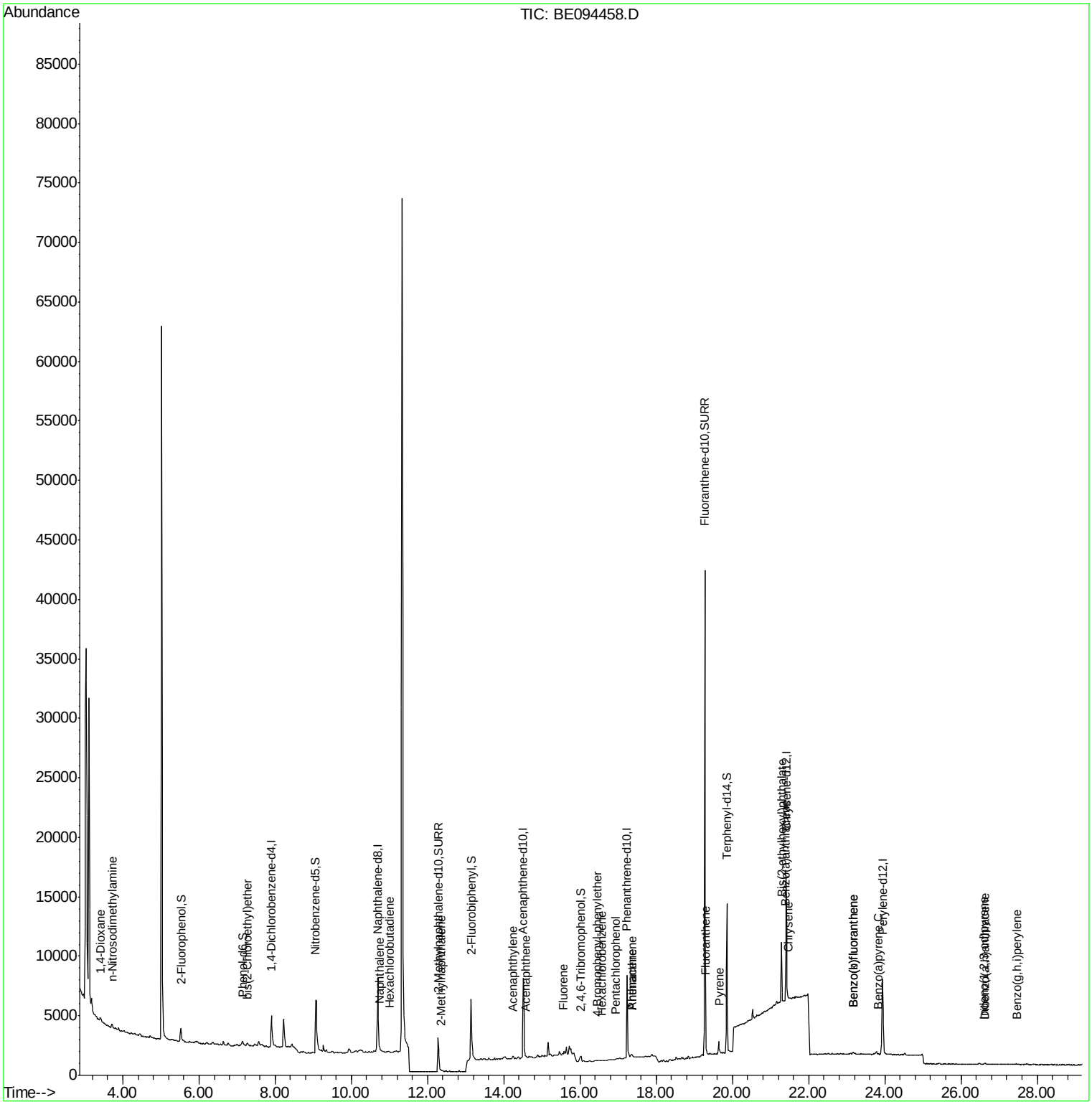
(#) = qualifier out of range (m) = manual integration (+) = signals summed

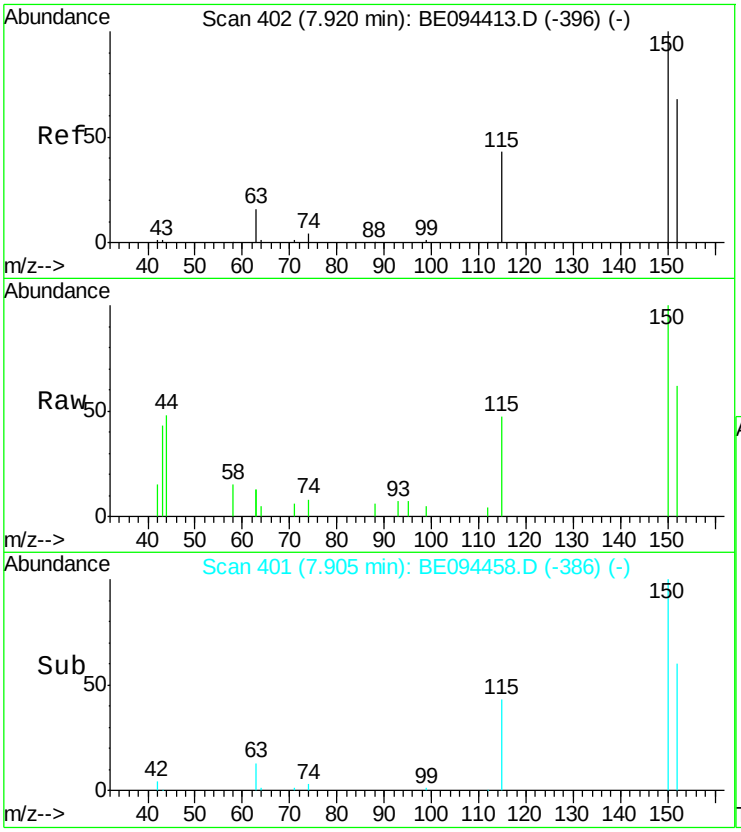
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101917\
Data File : BE094458.D
Acq On : 19 Oct 2017 22:42
Operator : SJ/JU
Sample : I5819-10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Quant Time: Oct 20 12:43:12 2017
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE101617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 16 14:54:40 2017
Response via : Initial Calibration



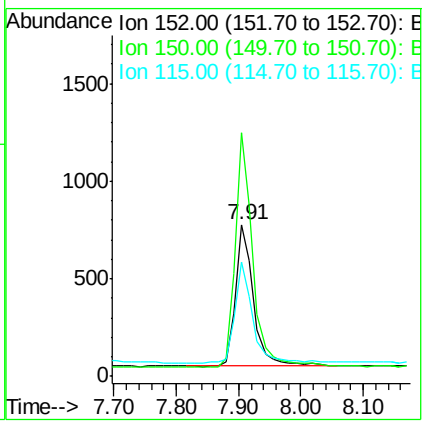


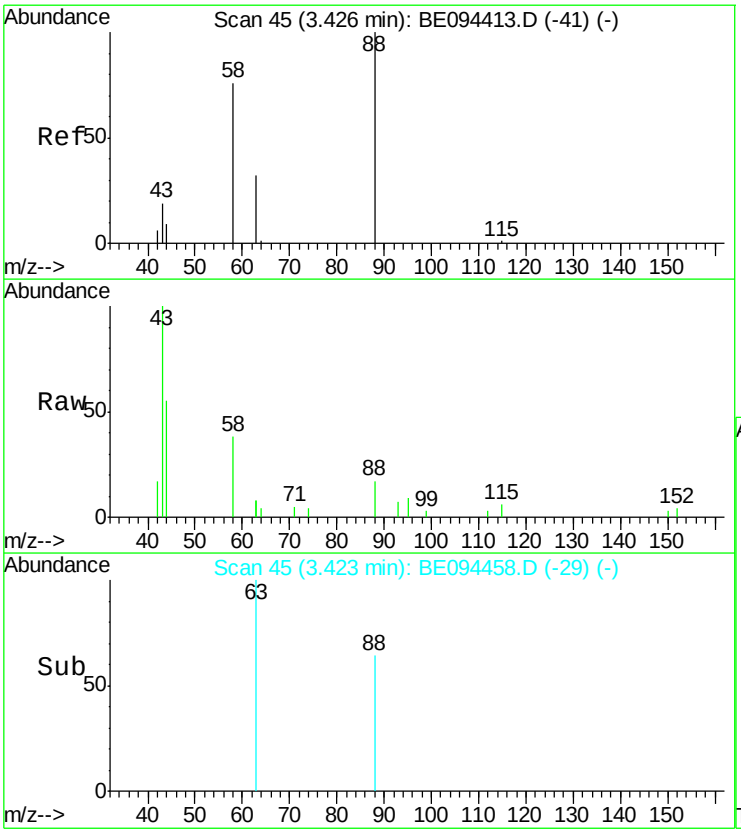
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.02 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:152 Resp: 1468

Ion	Ratio	Lower	Upper
152	100		
150	160.5	117.2	175.8
115	75.4	57.0	85.6

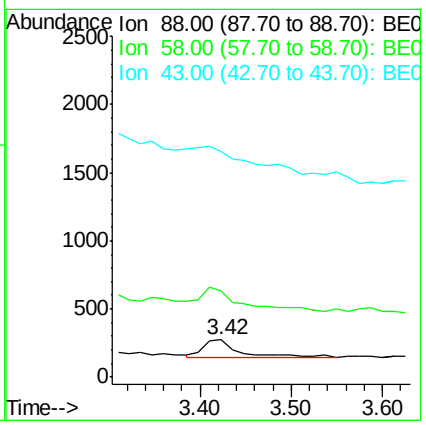


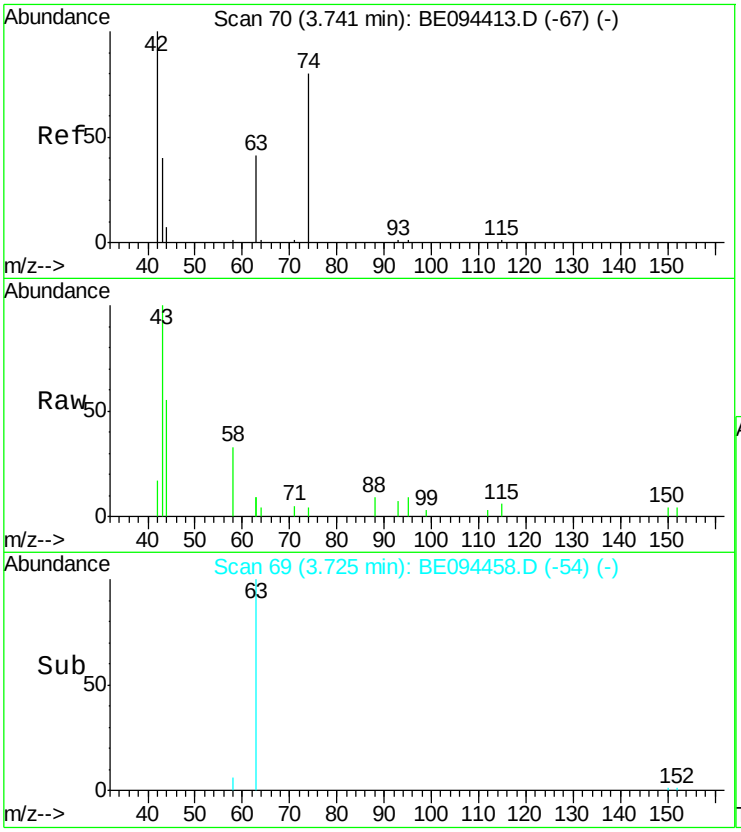


#2
1,4-Dioxane
Concen: 0.077 ng
RT: 3.42 min Scan# 45
Delta R.T. -0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion: 88 Resp: 347

Ion	Ratio	Lower	Upper
88	100		
58	152.4	63.2	94.8#
43	0.0	41.2	61.8#



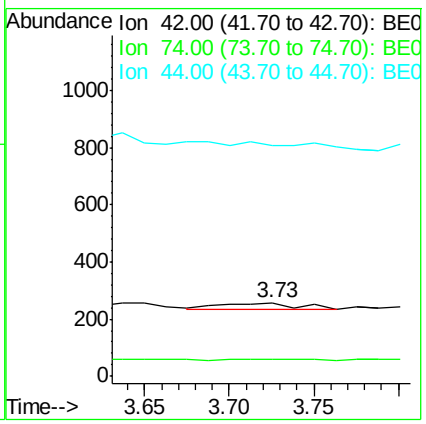


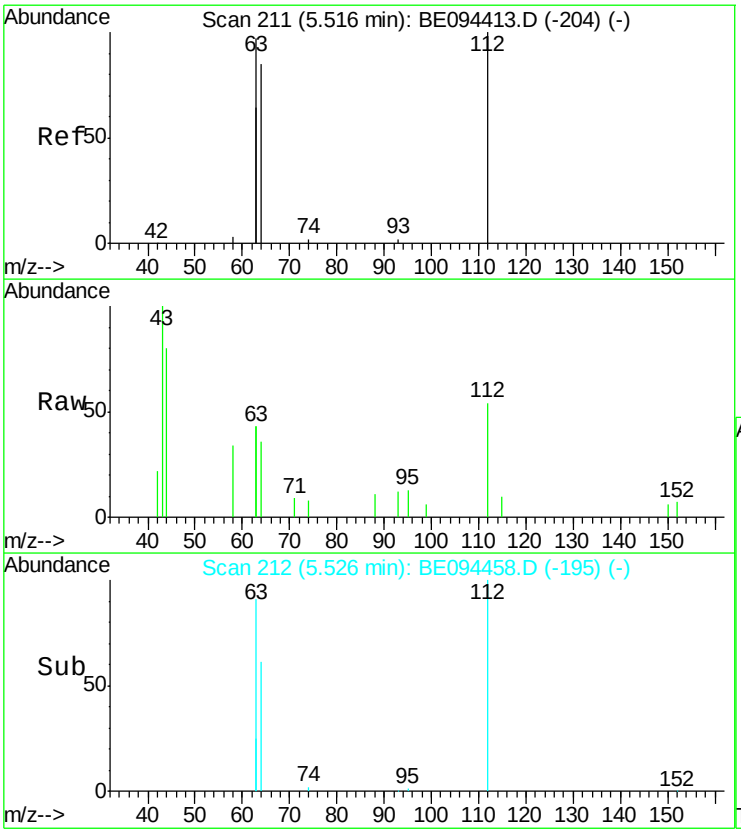
#3
n-Nitrosodimethylamine
Concen: 0.030 ng
RT: 3.73 min Scan# 69
Delta R.T. -0.02 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion: 42 Resp: 77

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

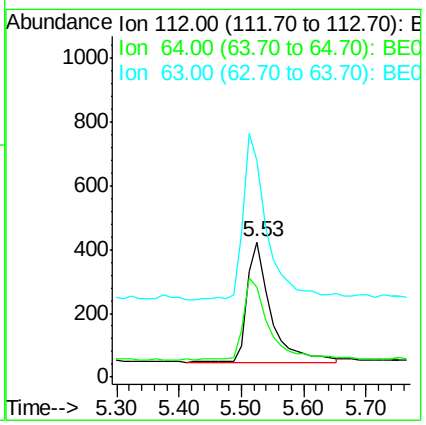


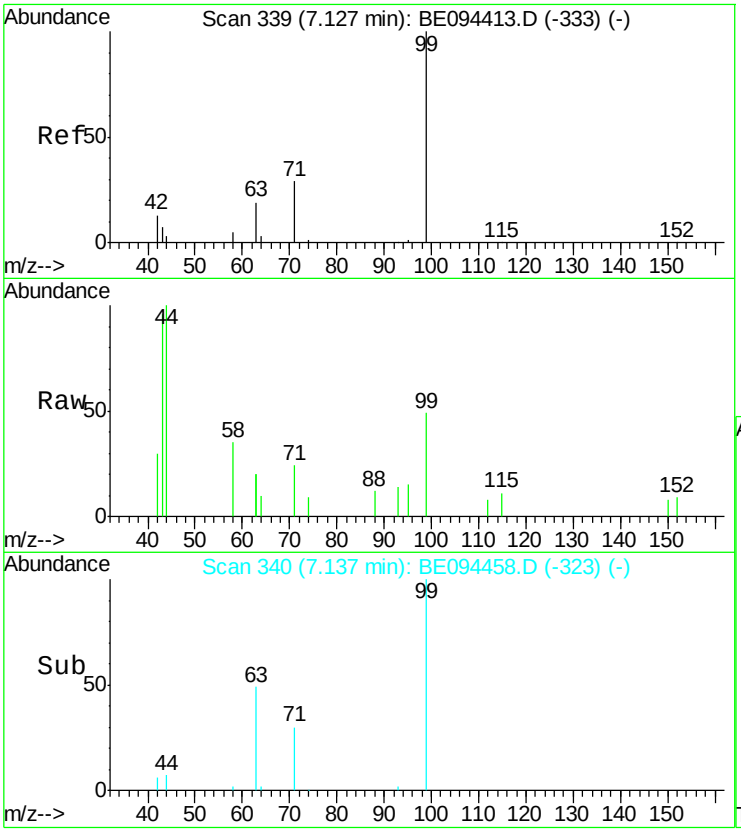


#4
2-Fluorophenol
Concen: 0.198 ng
RT: 5.53 min Scan# 212
Delta R.T. 0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:112 Resp: 981

Ion	Ratio	Lower	Upper
112	100		
64	72.0	60.1	90.1
63	138.4	116.8	175.2



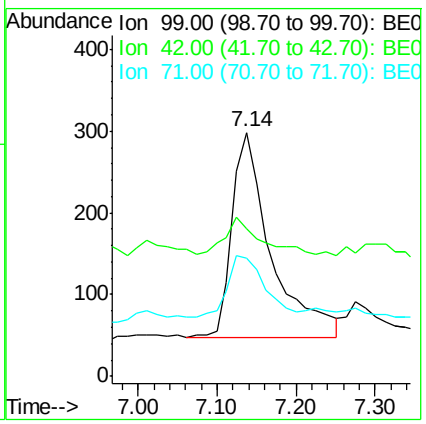


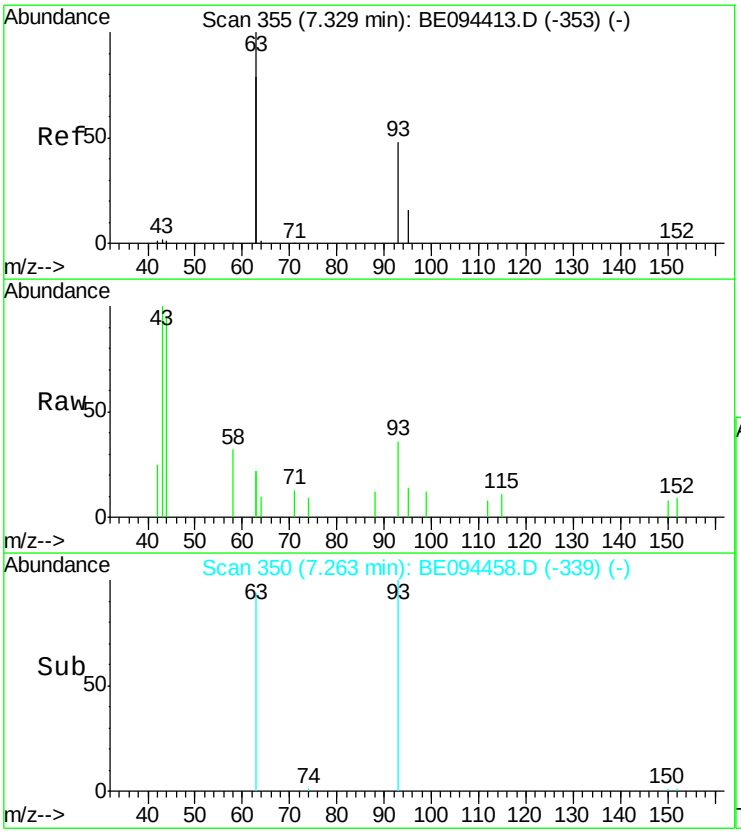
#5
Phenol-d6
Concen: 0.111 ng
RT: 7.14 min Scan# 340
Delta R.T. 0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion: 99 Resp: 857

Ion	Ratio	Lower	Upper
99	100		
42	16.5	20.2	30.2#
71	28.7	28.4	42.6

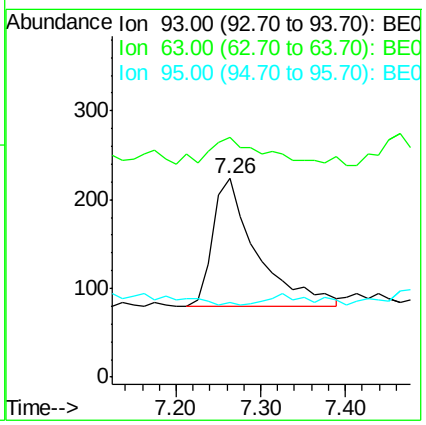


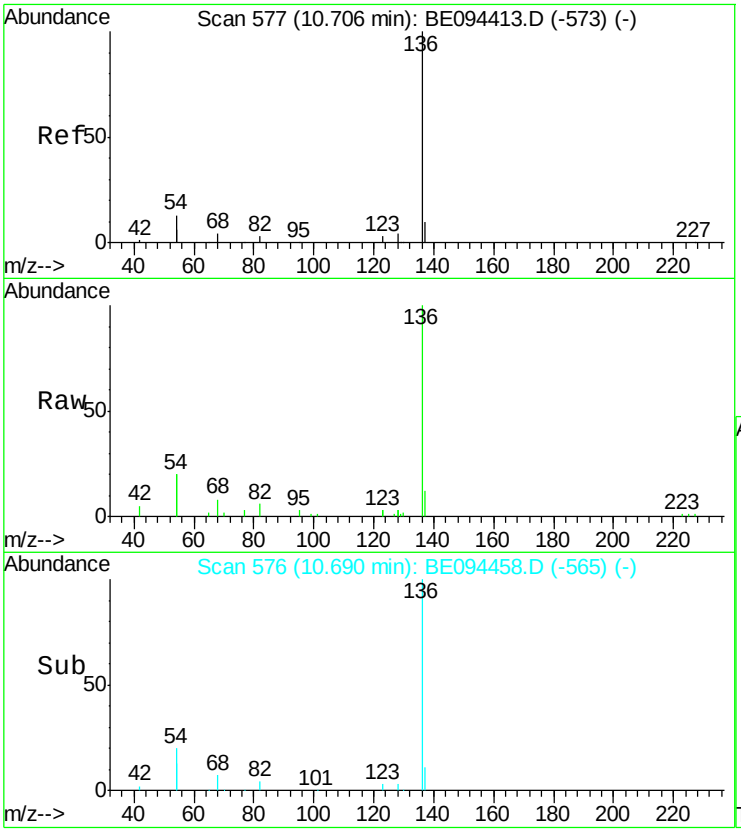


#6
bis(2-Chloroethyl)ether
Concen: 0.091 ng
RT: 7.26 min Scan# 350
Delta R.T. -0.07 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion: 93 Resp: 519

Ion	Ratio	Lower	Upper
93	100		
63	23.9	275.3	412.9#
95	0.0	25.2	37.8#



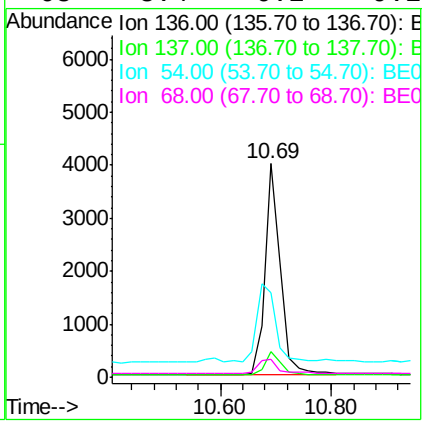


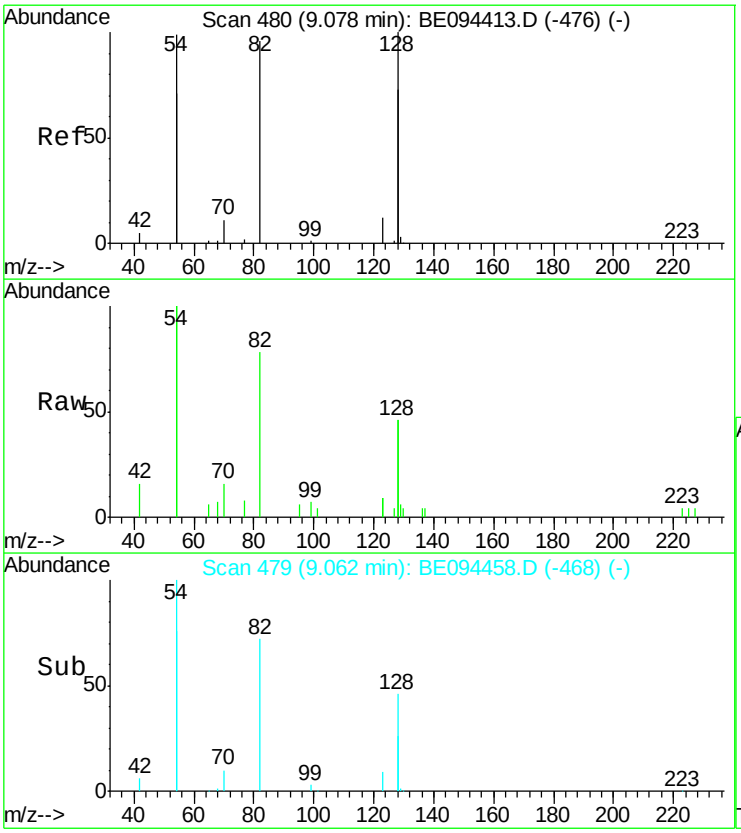
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:136 Resp: 7714

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	39.5	29.1	43.7
68	8.4	6.2	9.2

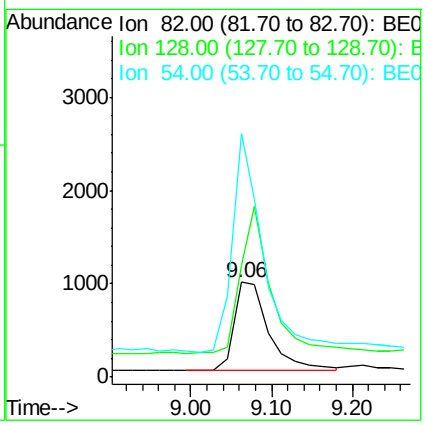


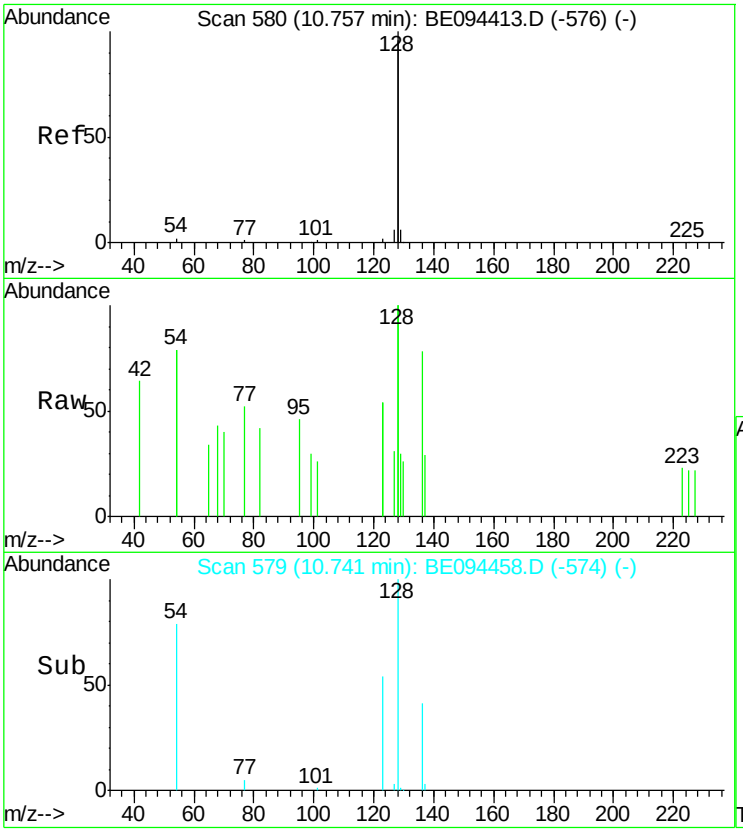


#8
Nitrobenzene-d5
Concen: 0.421 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.02 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion: 82 Resp: 2820

Ion	Ratio	Lower	Upper
82	100		
128	117.2	150.0	225.0#
54	256.6	154.2	231.4#



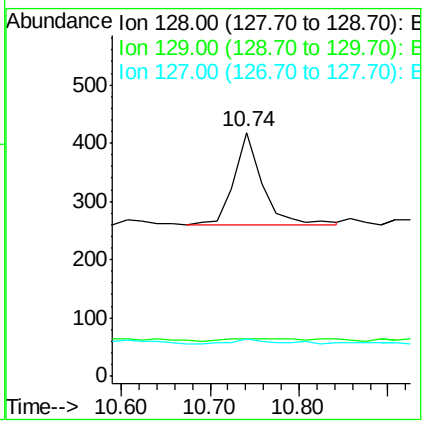


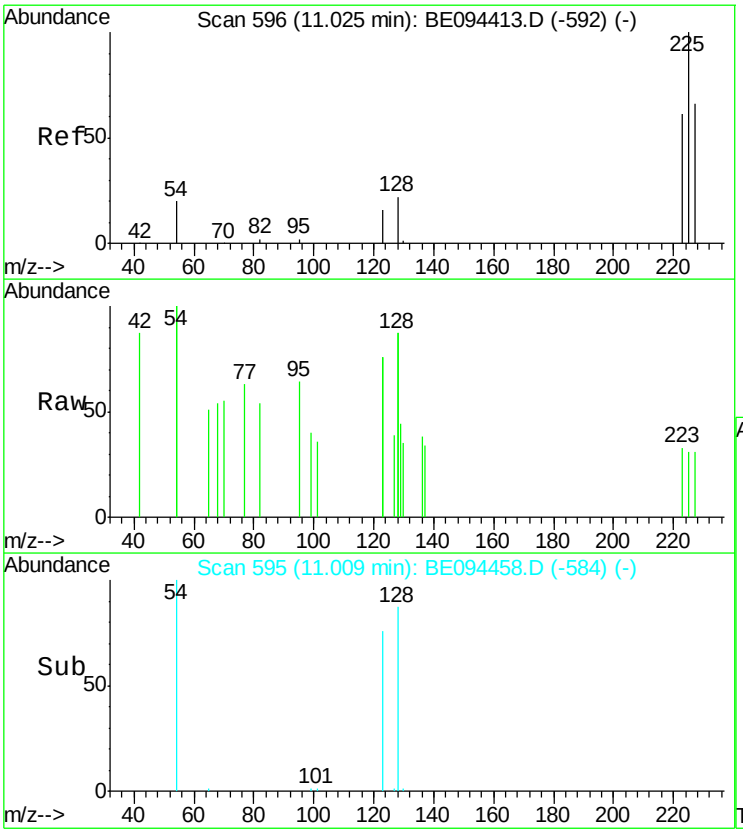
#9
Naphthalene
Concen: 0.004 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.02 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:128 Resp: 346

Ion	Ratio	Lower	Upper
128	100		
129	15.1	2.6	3.8#
127	15.3	2.8	4.2#

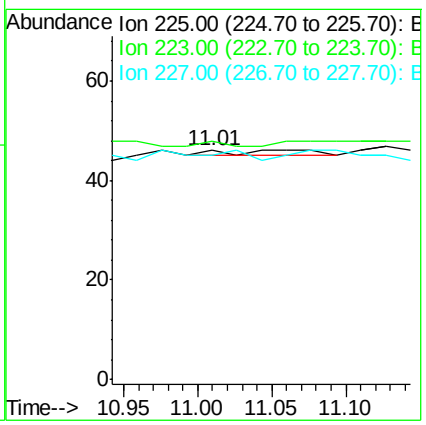


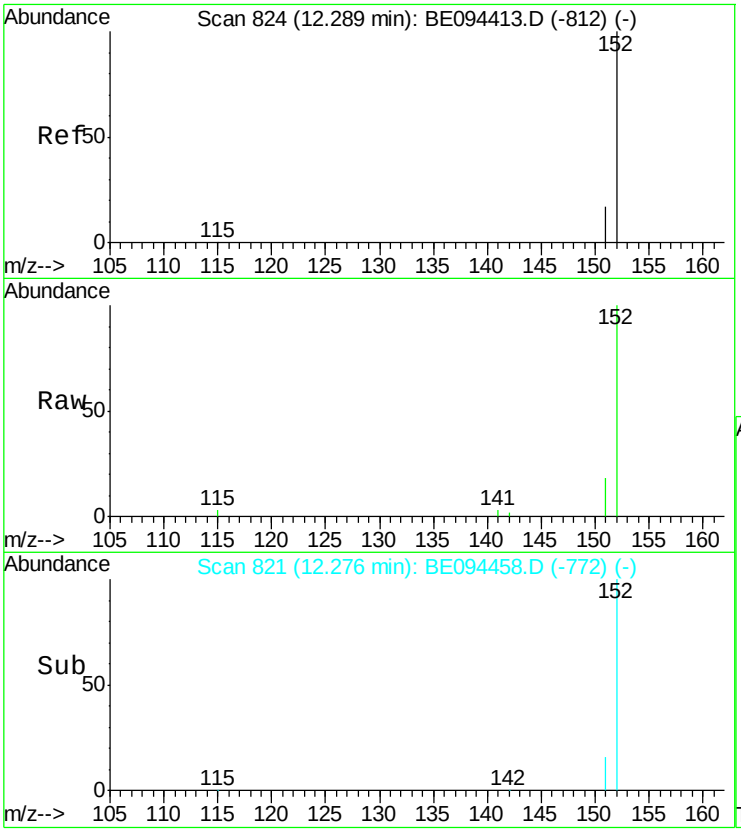


#10
Hexachlorobutadiene
Concen: 0.001 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.02 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:225 Resp: 4

Ion	Ratio	Lower	Upper
225	100		
223	25.0	53.0	79.6#
227	0.0	51.4	77.2#



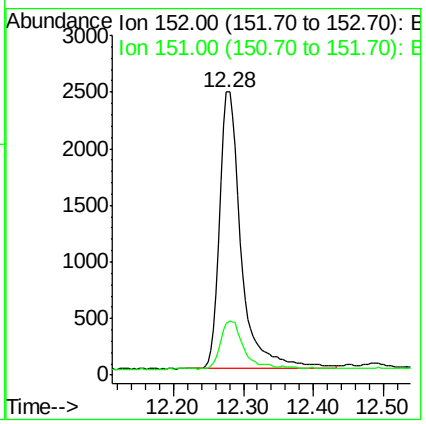


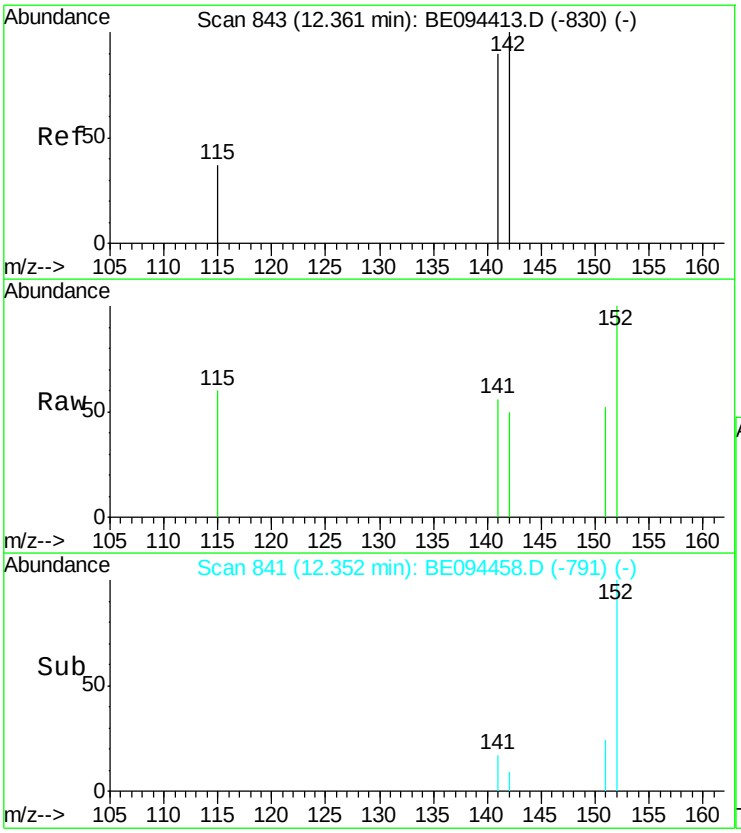
#11
2-Methylnaphthalene-d10
Concen: 0.439 ng
RT: 12.28 min Scan# 821
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:152 Resp: 5215

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.4	23.0

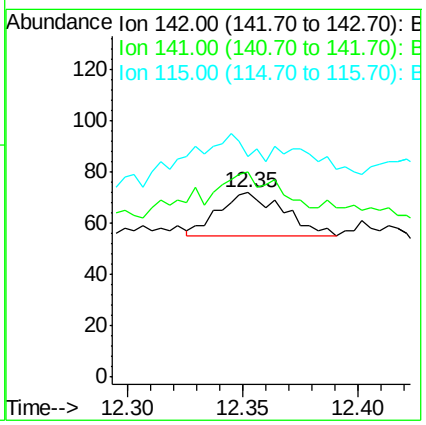


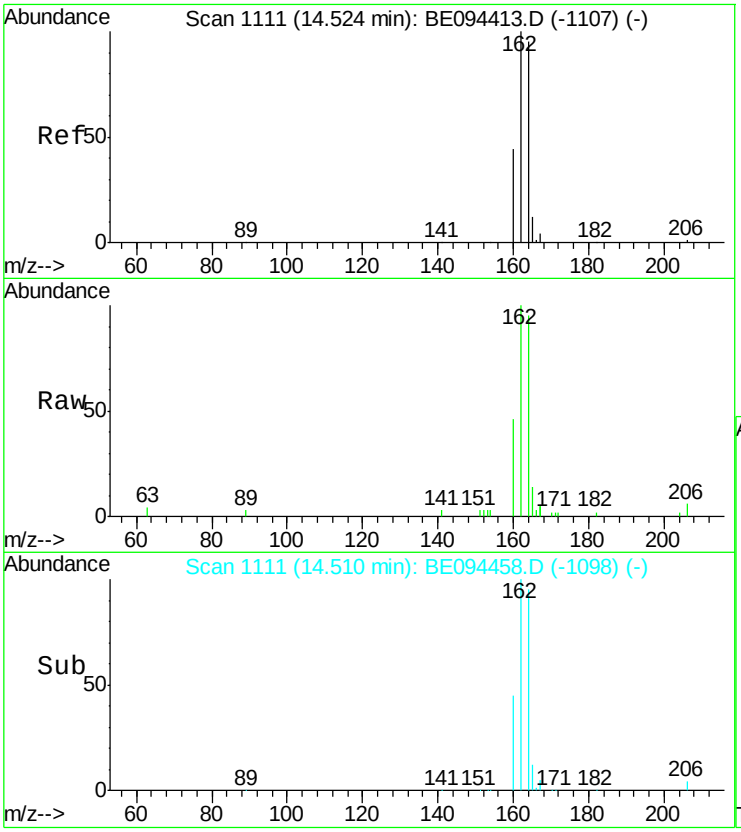


#12
2-Methylnaphthalene
Concen: 0.002 ng
RT: 12.35 min Scan# 841
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:142 Resp: 33

Ion	Ratio	Lower	Upper
142	100		
141	111.1	70.4	105.6#
115	119.4	31.7	47.5#



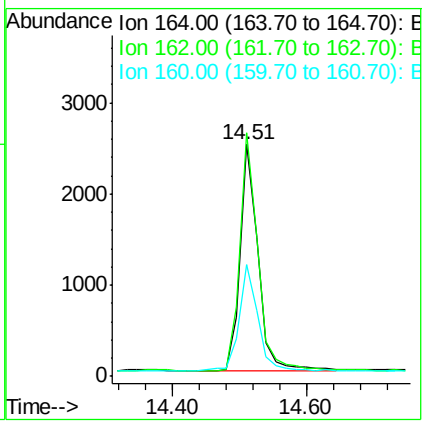


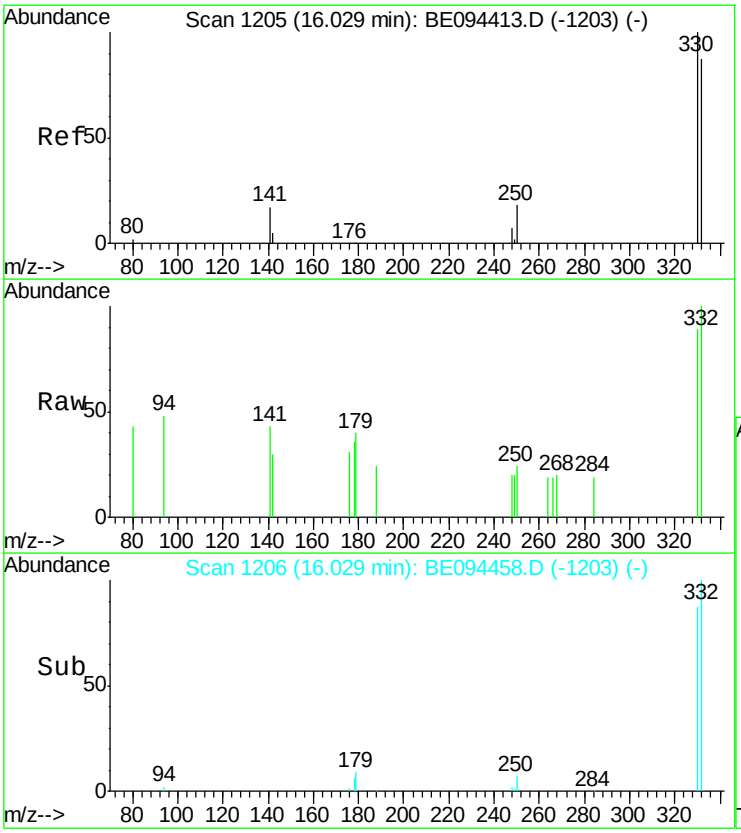
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:164 Resp: 4607

Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.1	124.7
160	48.6	37.1	55.7

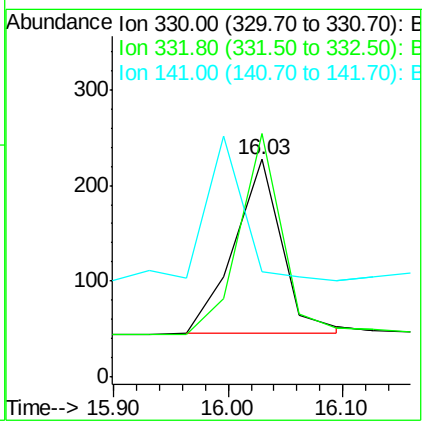


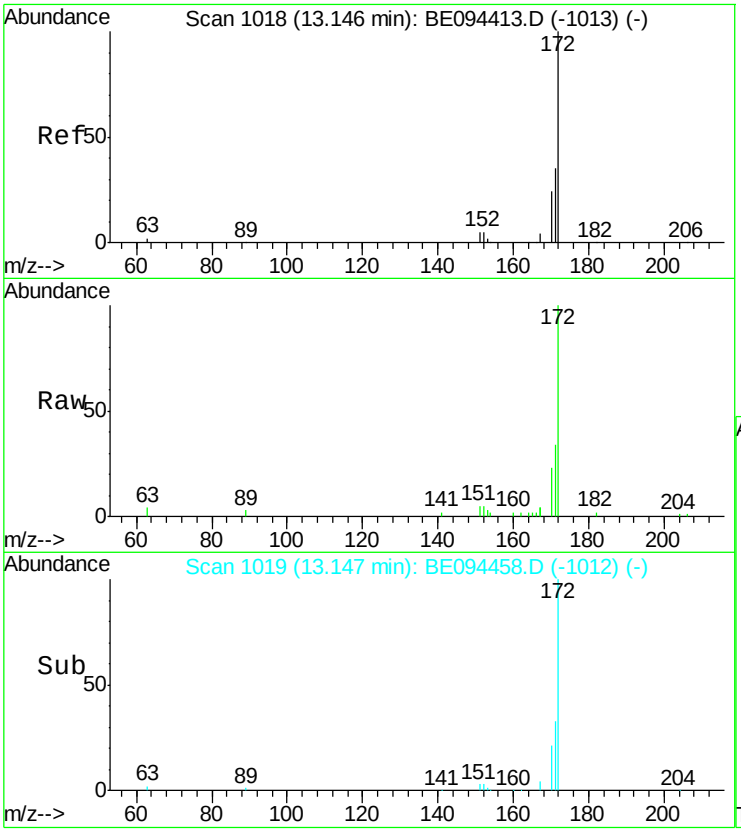


#14
2,4,6-Tribromophenol
Concen: 0.299 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:330 Resp: 524

Ion	Ratio	Lower	Upper
330	100		
332	103.4	152.7	229.1#
141	0.0	33.7	50.5#



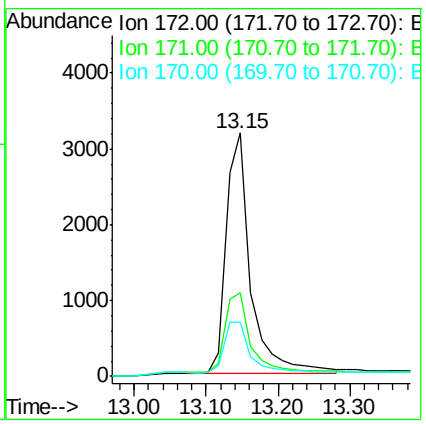


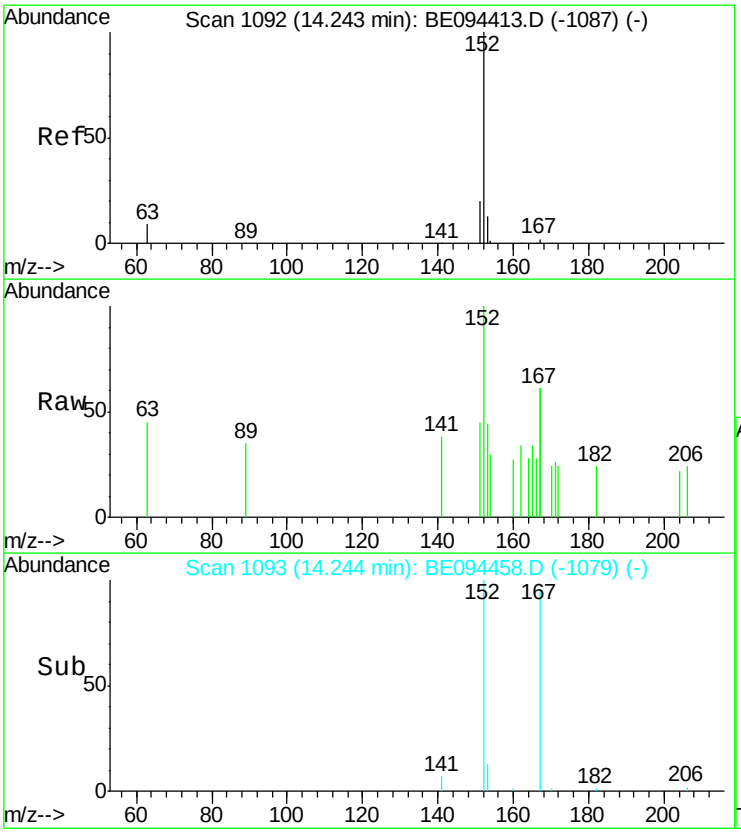
#15
2-Fluorobiphenyl
Concen: 0.451 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:172 Resp: 7417

Ion	Ratio	Lower	Upper
172	100		
171	34.2	29.9	44.9
170	22.5	21.8	32.8

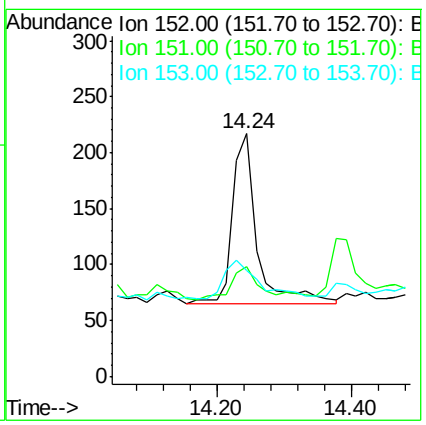


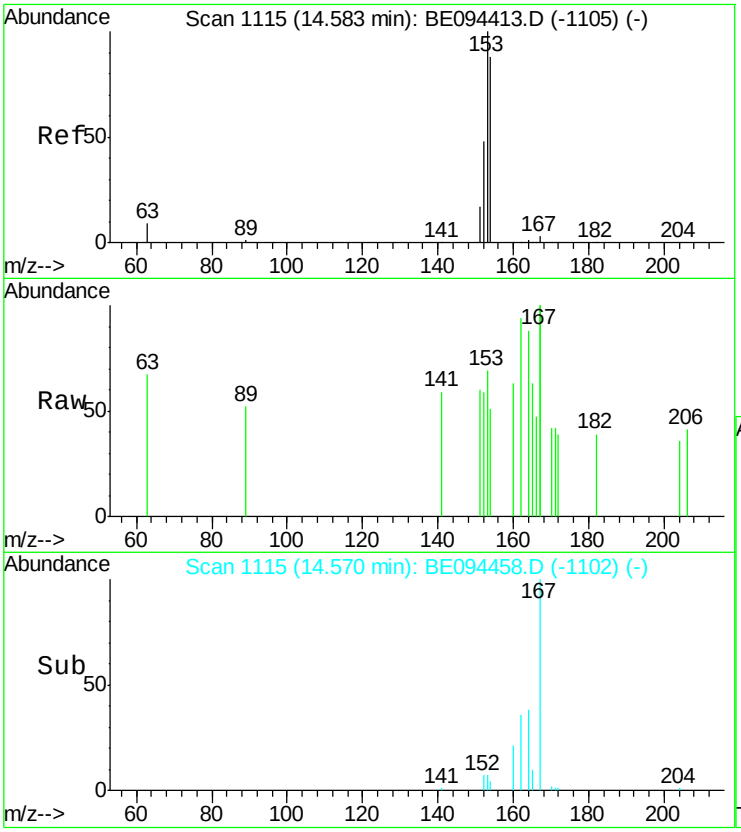


#16
Acenaphthylene
Concen: 0.015 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:152 Resp: 383

Ion	Ratio	Lower	Upper
152	100		
151	24.3	15.7	23.5#
153	31.3	10.5	15.7#



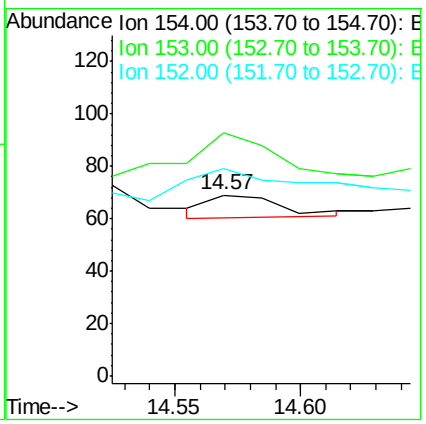


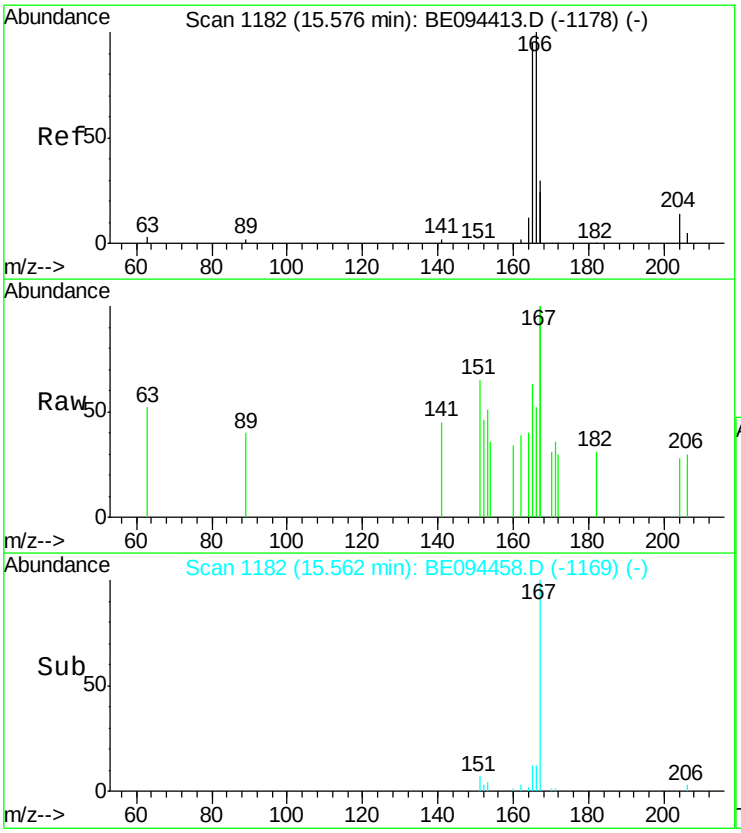
#17
Acenaphthene
Concen: 0.001 ng
RT: 14.57 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:154 Resp: 18

Ion	Ratio	Lower	Upper
154	100		
153	233.3	89.2	133.8#
152	250.0	42.0	63.0#

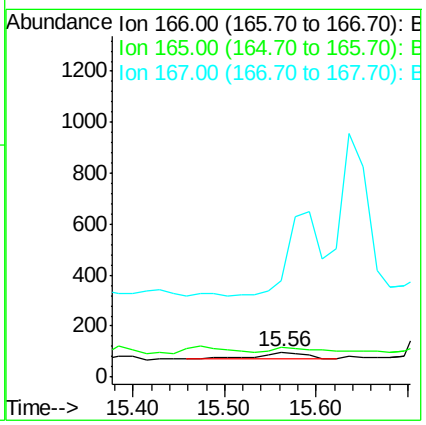


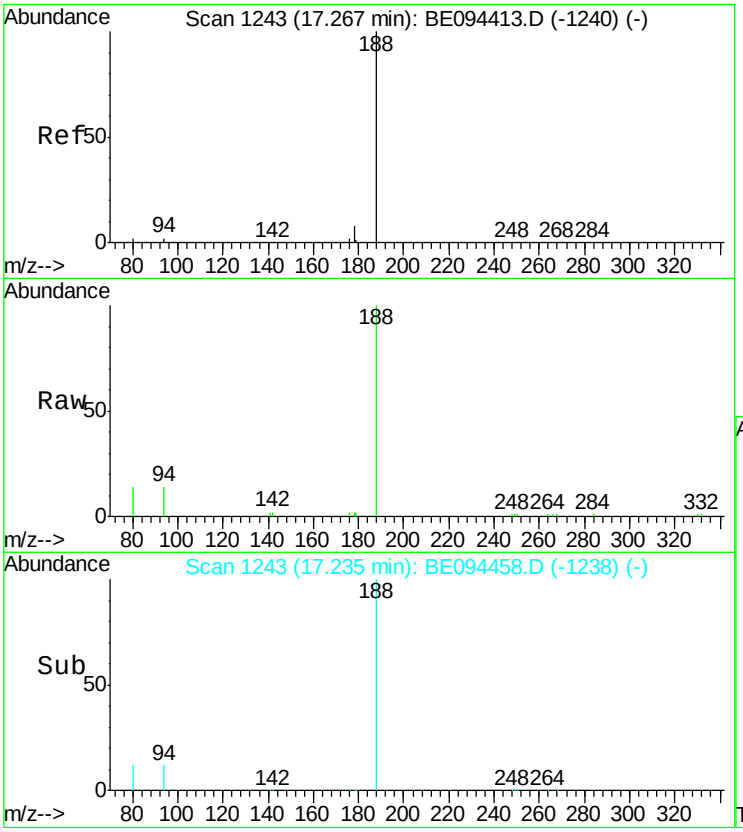


#18
Fluorene
Concen: 0.005 ng
RT: 15.56 min Scan# 1182
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:166 Resp: 96

Ion	Ratio	Lower	Upper
166	100		
165	83.3	77.8	116.6
167	0.0	42.4	63.6#



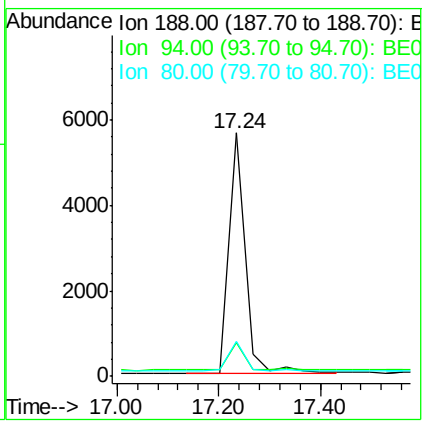


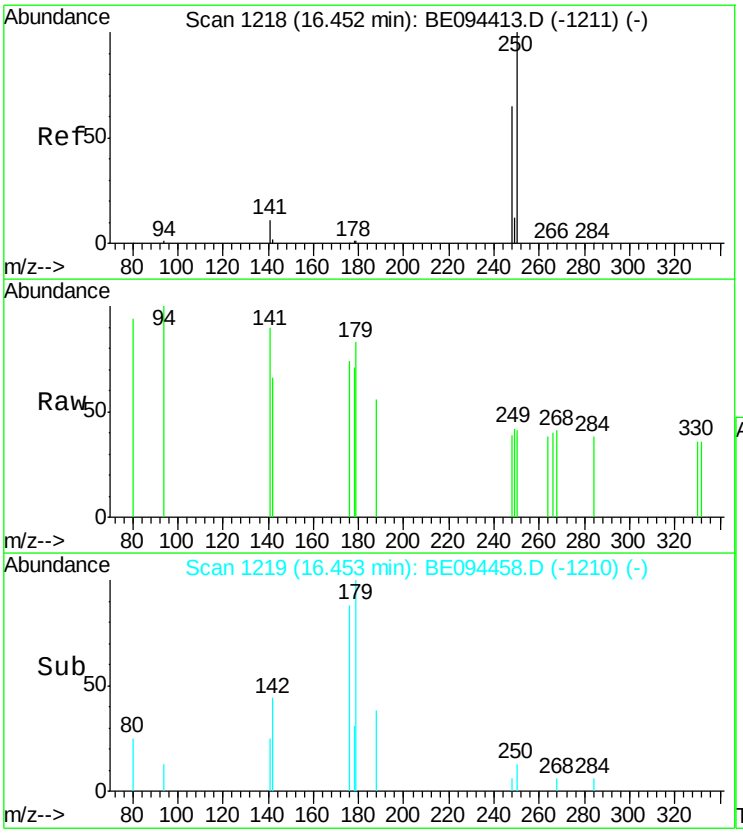
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:188 Resp: 12462

Ion	Ratio	Lower	Upper
188	100		
94	14.0	3.9	5.9#
80	14.1	3.6	5.4#

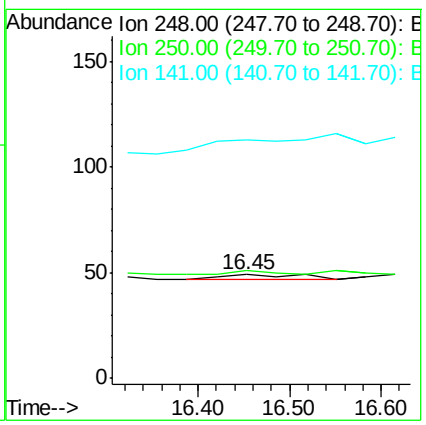


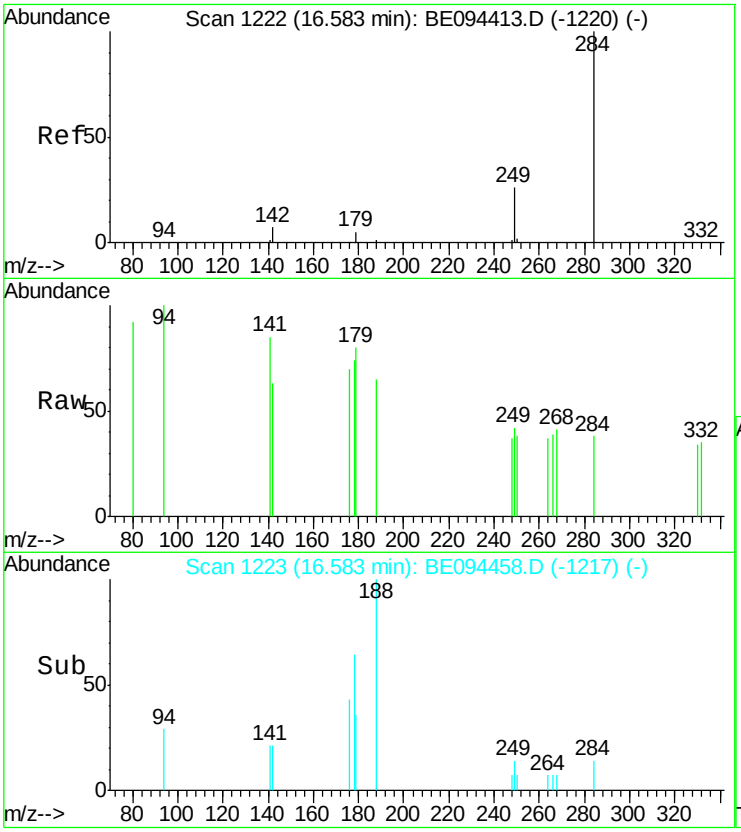


#20
4-Bromophenyl-phenylether
Concen: 0.002 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:248 Resp: 12

Ion	Ratio	Lower	Upper
248	100		
250	104.1	62.7	94.1#
141	230.6	48.2	72.2#



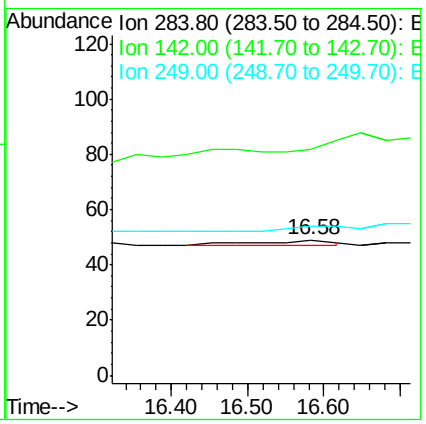


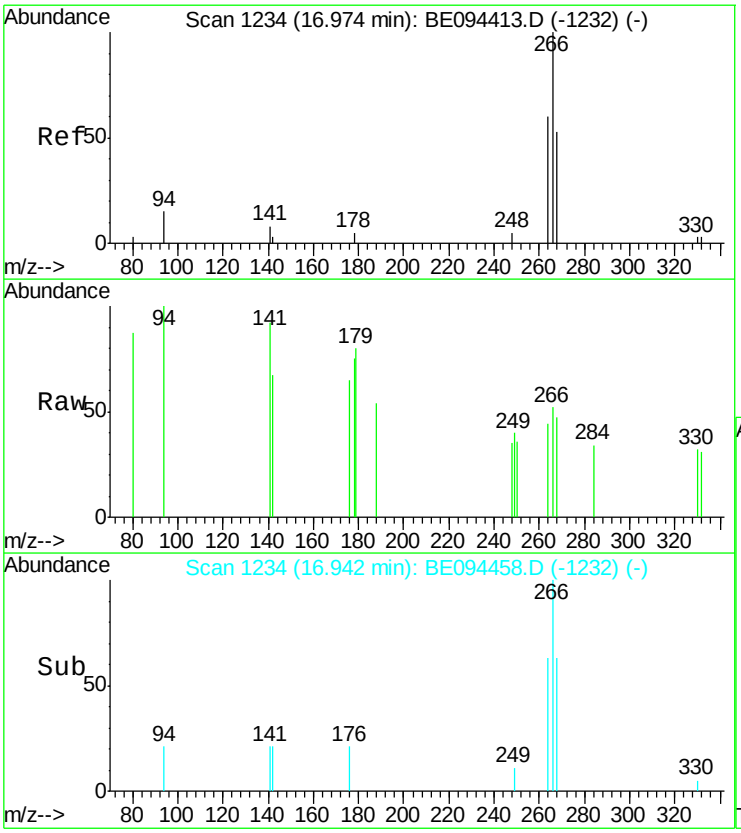
#21
Hexachlorobenzene
Concen: 0.028 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:284 Resp: 14

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	0.0	34.8	52.2#

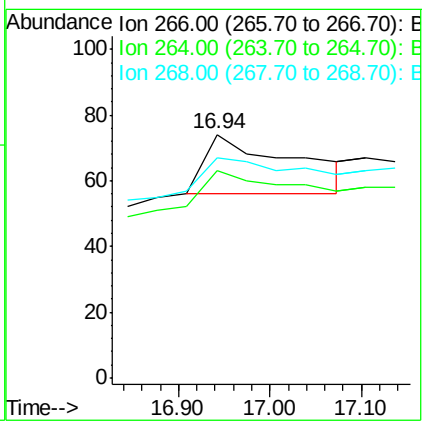


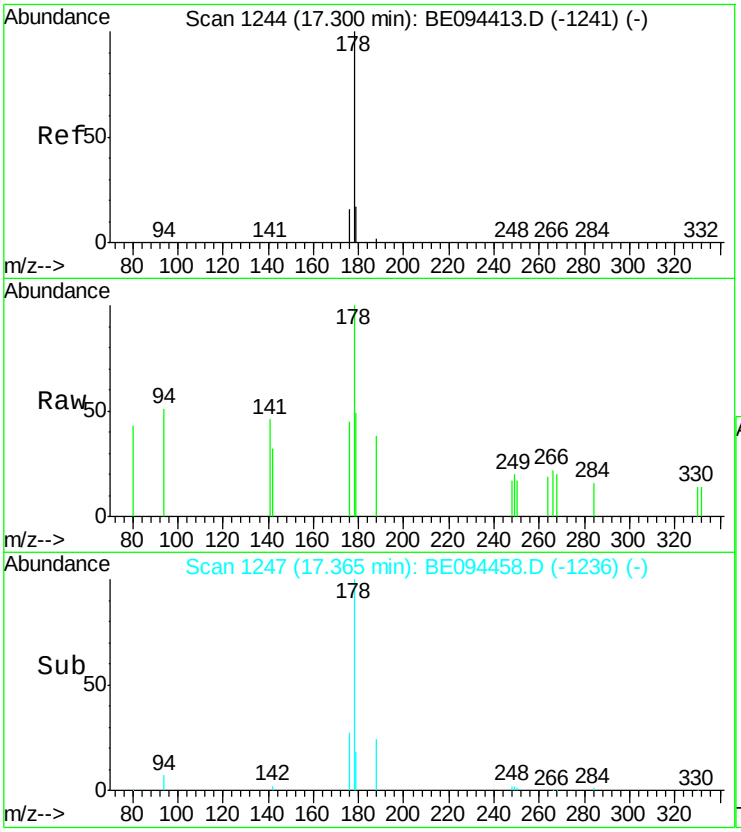


#22
Pentachlorophenol
Concen: 0.249 ng
RT: 16.94 min Scan# 1234
Delta R.T. -0.03 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:266 Resp: 121

Ion	Ratio	Lower	Upper
266	100		
264	85.1	72.5	108.7
268	90.5	73.8	110.6



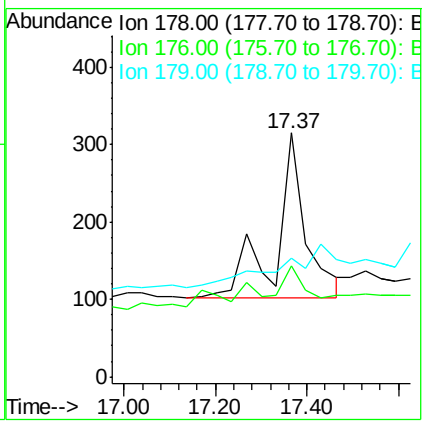


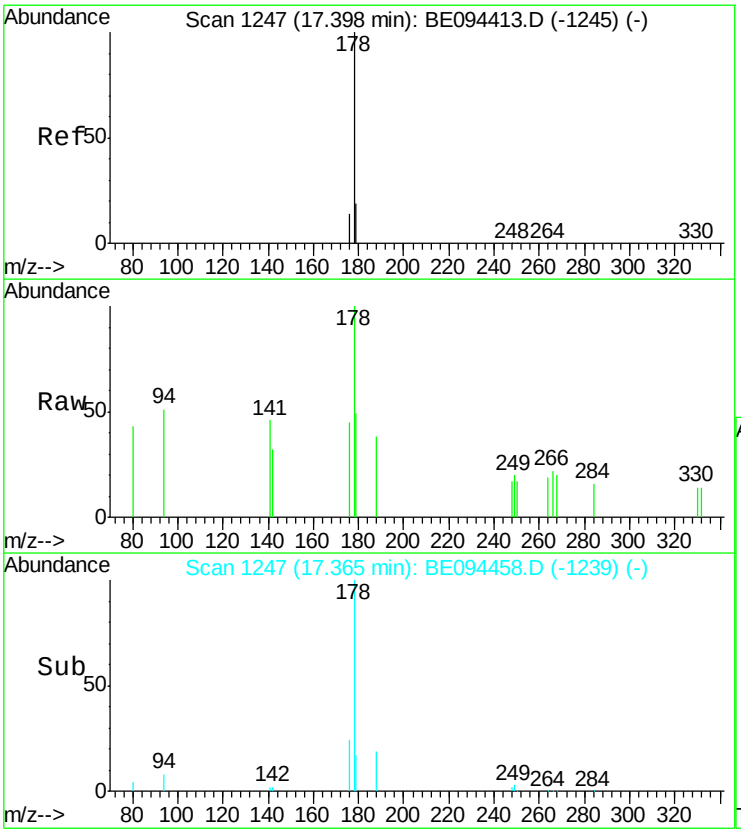
#23
Phenanthrene
Concen: 0.020 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.07 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:178 Resp: 966

Ion	Ratio	Lower	Upper
178	100		
176	22.7	15.1	22.7
179	0.0	11.8	17.6#

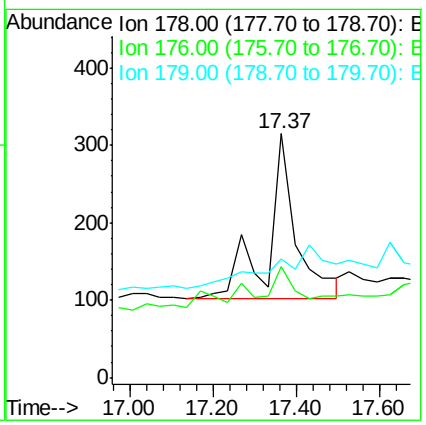


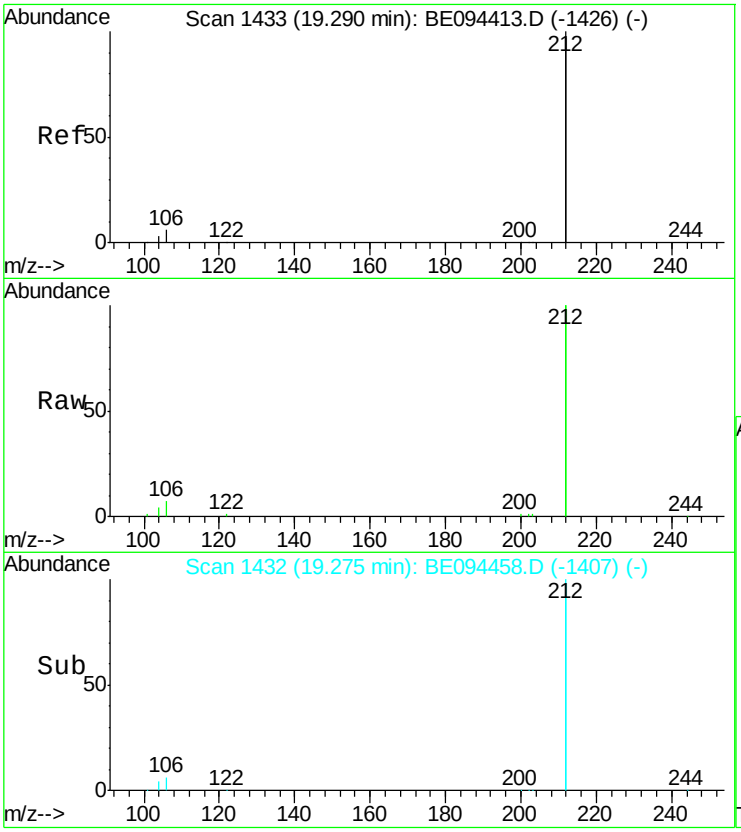


#24
Anthracene
Concen: 0.027 ng
RT: 17.37 min Scan# 1247
Delta R.T. -0.03 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:178 Resp: 1019

Ion	Ratio	Lower	Upper
178	100		
176	22.9	12.8	19.2#
179	0.0	13.0	19.6#



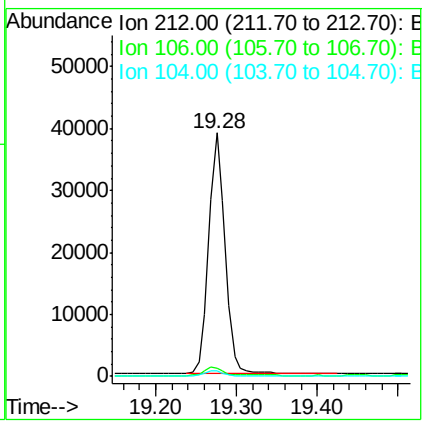


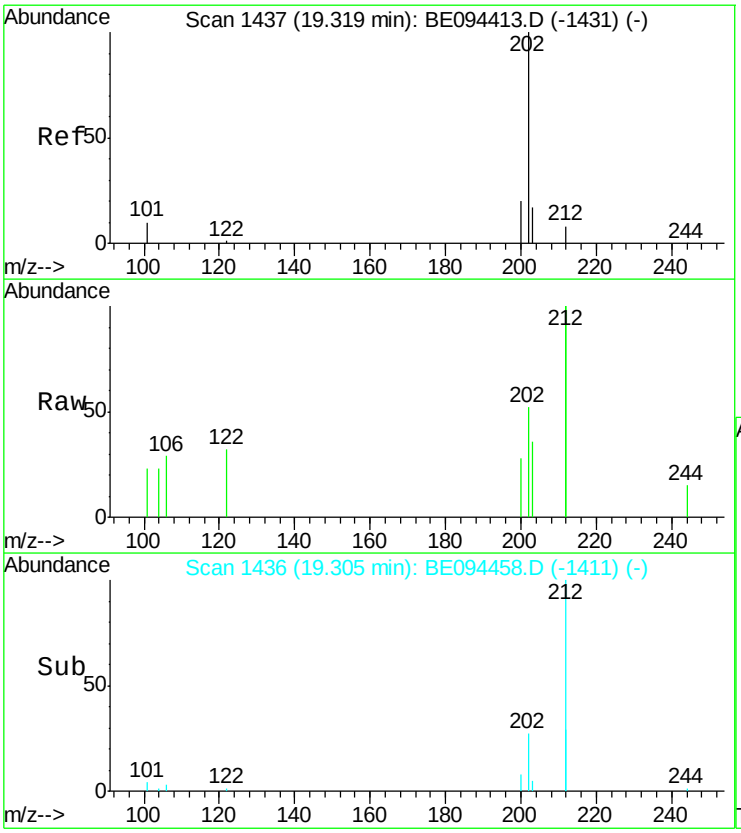
#25
Fluoranthene-d10
Concen: 0.271 ng
RT: 19.28 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:212 Resp: 54417

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

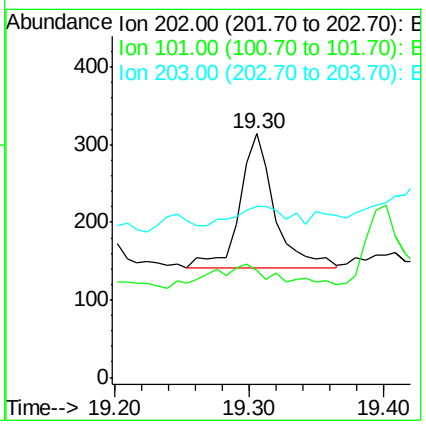


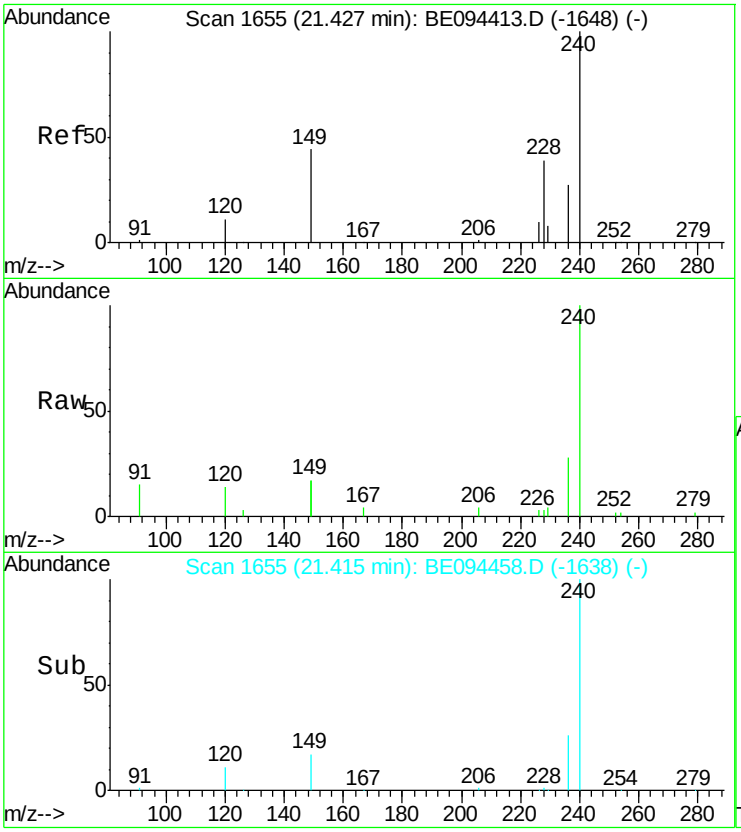


#26
Fluoranthene
Concen: 0.005 ng
RT: 19.30 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:202 Resp: 311

Ion	Ratio	Lower	Upper
202	100		
101	30.9	9.8	14.8#
203	21.5	13.7	20.5#



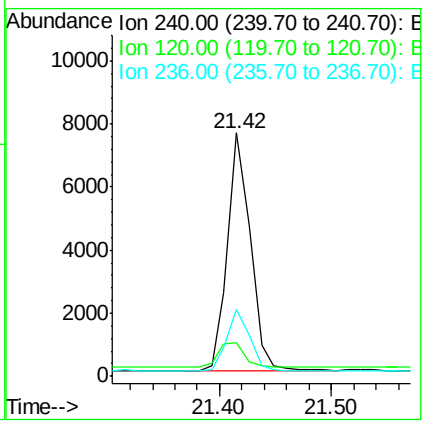


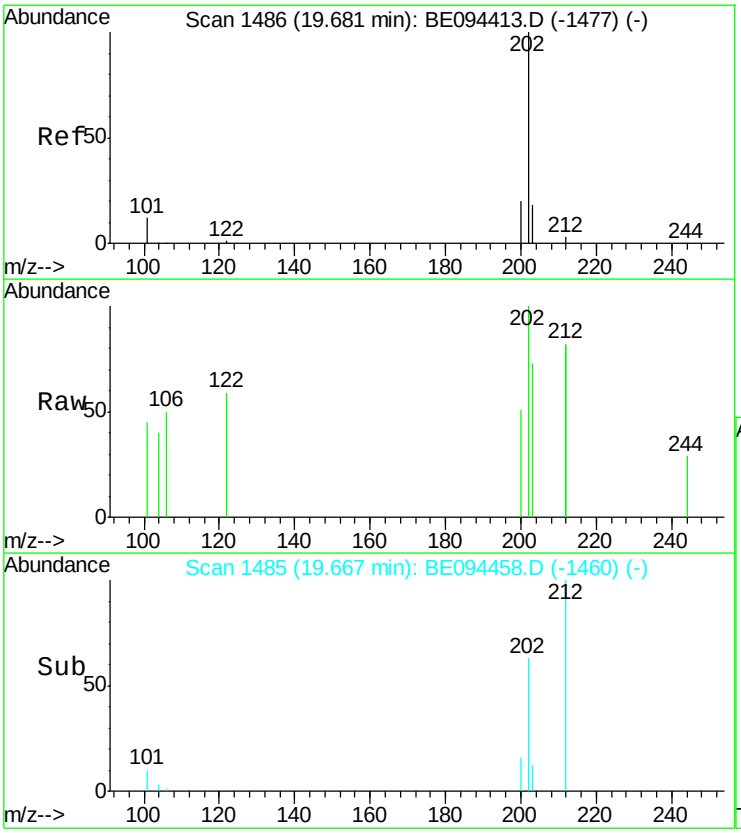
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.42 min Scan# 1655
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:240 Resp: 10707

Ion	Ratio	Lower	Upper
240	100		
120	14.0	5.5	8.3#
236	27.6	20.7	31.1

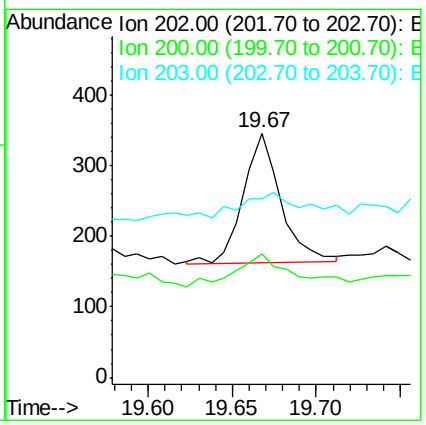


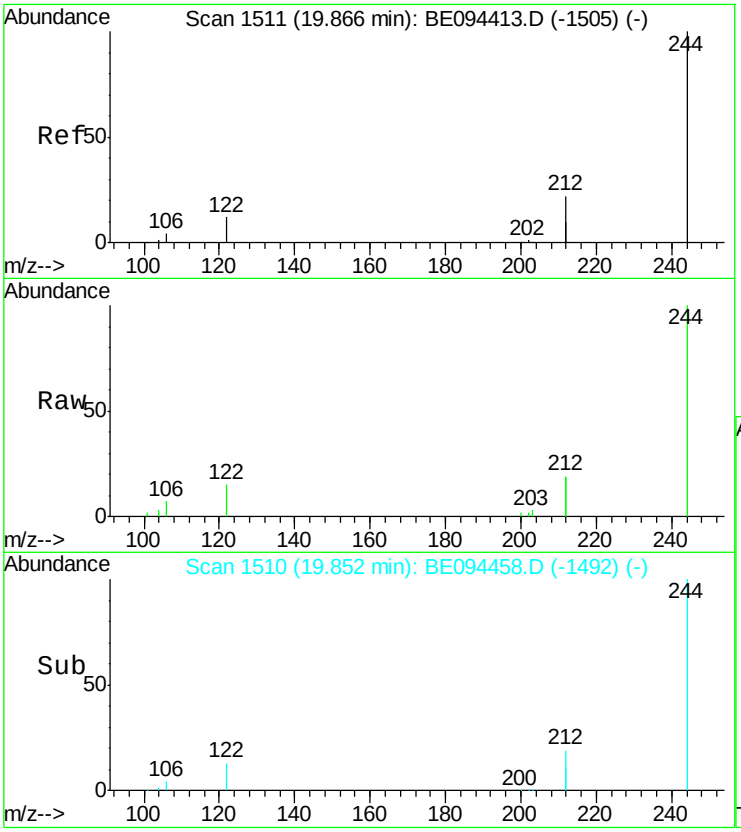


#28
Pyrene
Concen: 0.007 ng
RT: 19.67 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:202 Resp: 285

Ion	Ratio	Lower	Upper
202	100		
200	40.4	16.6	25.0#
203	34.0	13.8	20.8#



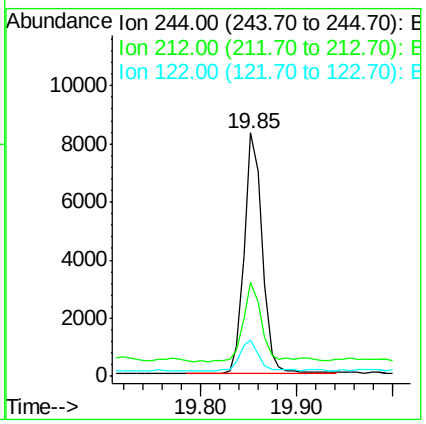


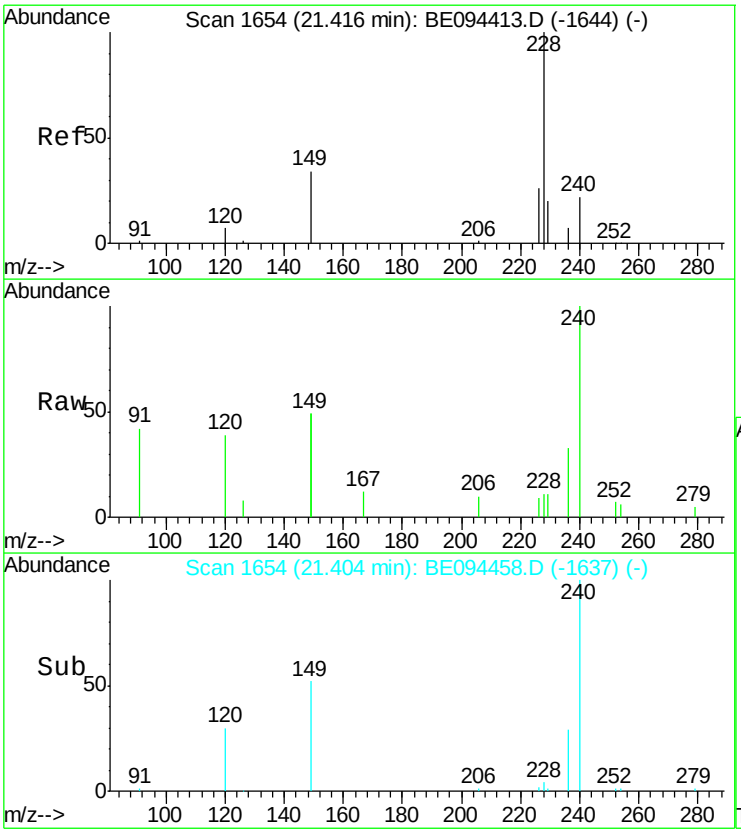
#29
Terphenyl-d14
Concen: 0.508 ng
RT: 19.85 min Scan# 1510
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:244 Resp: 10985

Ion	Ratio	Lower	Upper
244	100		
212	38.5	25.4	38.0#
122	15.1	8.1	12.1#

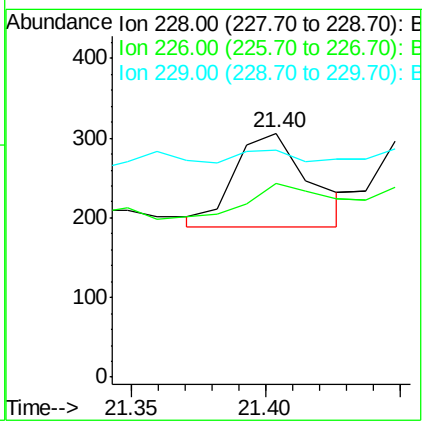


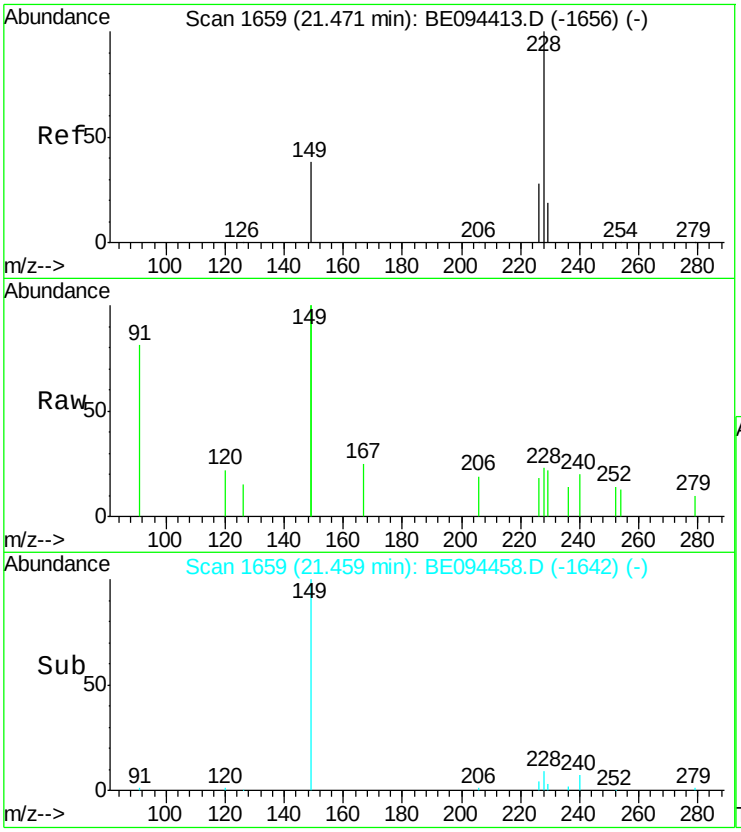


#30
Benzo(a)anthracene
Concen: 0.006 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:228 Resp: 231

Ion	Ratio	Lower	Upper
228	100		
226	79.7	40.0	60.0#
229	93.1	40.0	60.0#



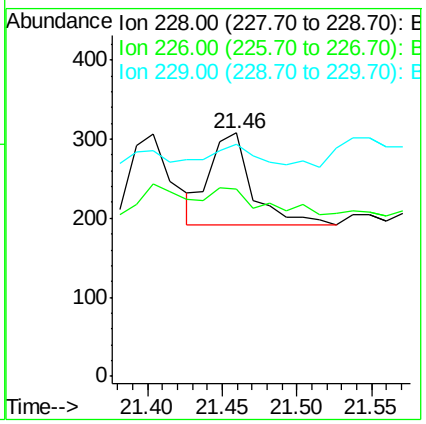


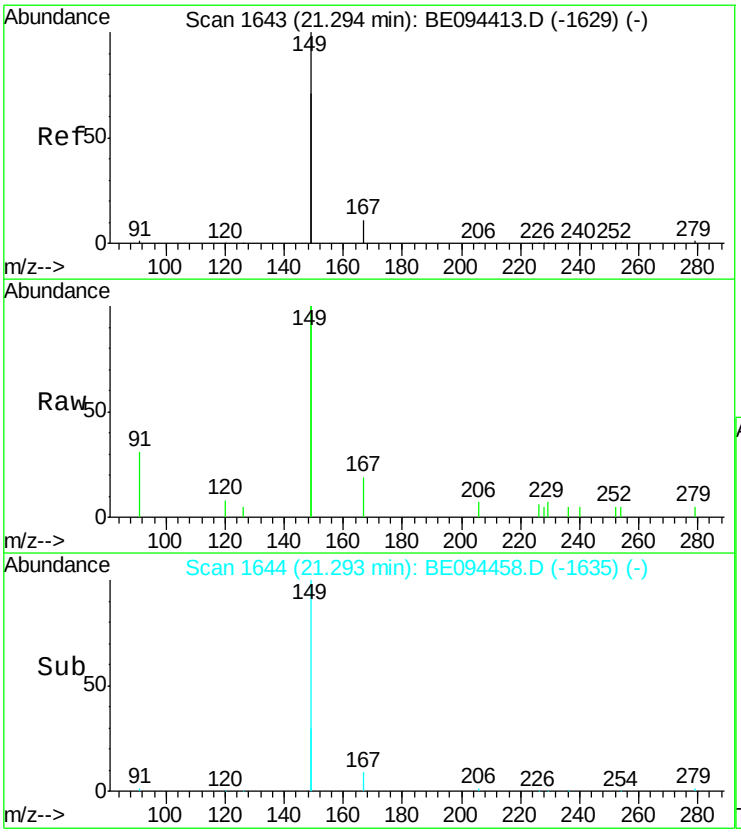
#31
Chrysene
Concen: 0.006 ng
RT: 21.46 min Scan# 1659
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:228 Resp: 228

Ion	Ratio	Lower	Upper
228	100		
226	76.9	40.0	60.0#
229	95.1	40.0	60.0#

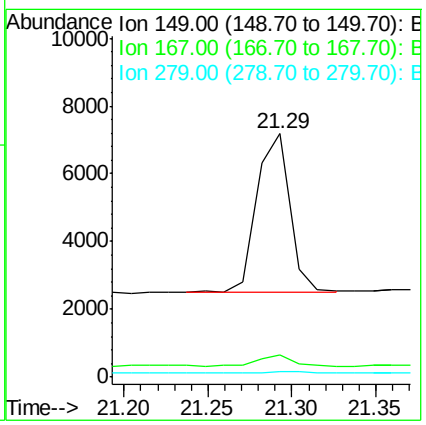


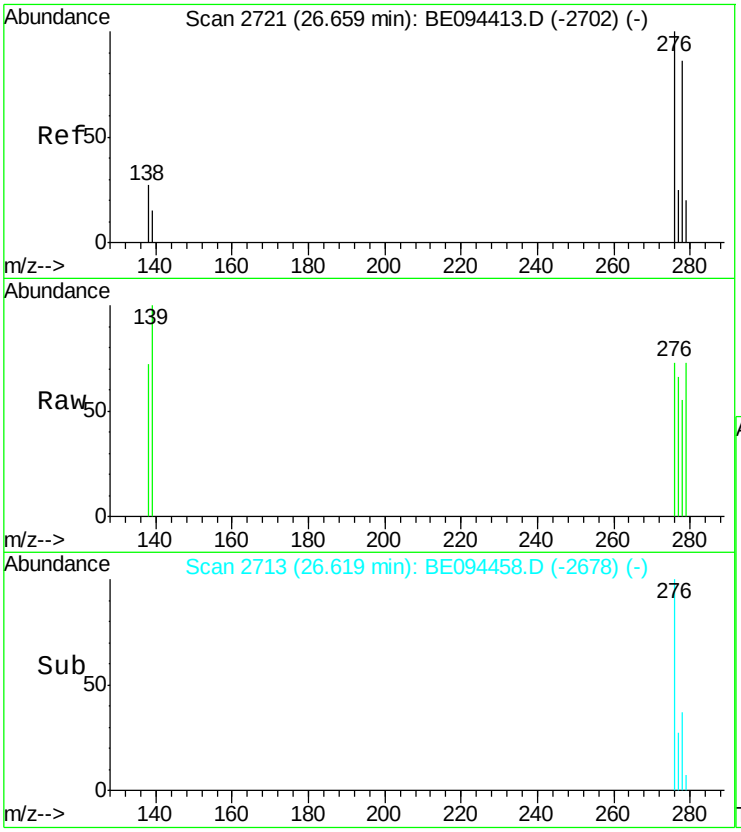


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.061 ng
RT: 21.29 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:149 Resp: 6485

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.4	8.0
279	1.2	0.7	1.1#



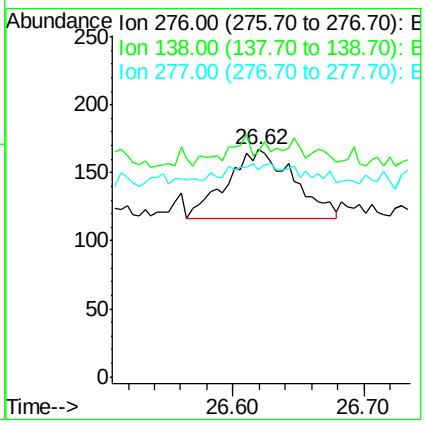


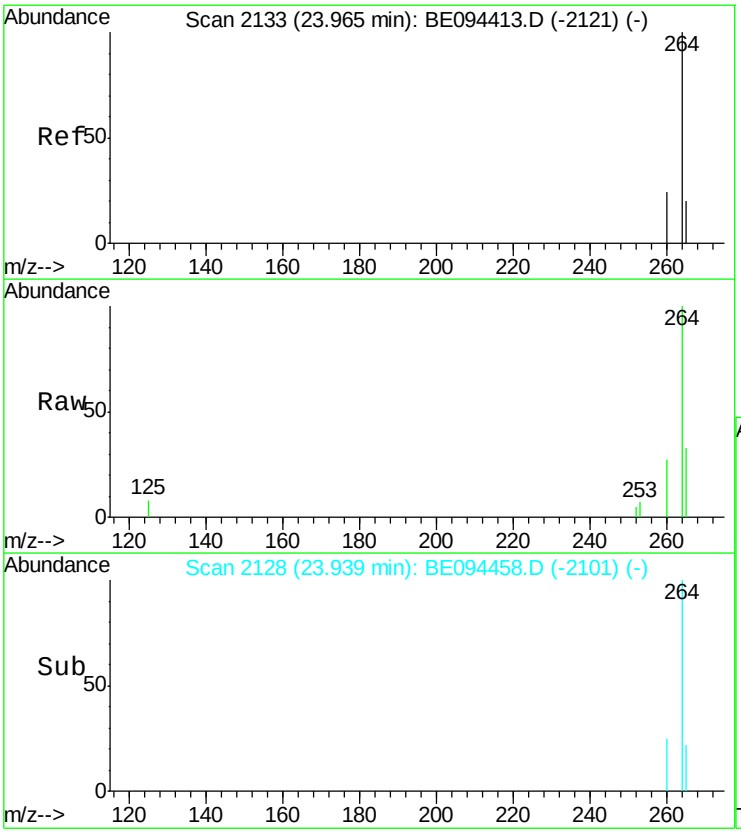
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.005 ng
RT: 26.62 min Scan# 2713
Delta R.T. -0.04 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:276 Resp: 182

Ion	Ratio	Lower	Upper
276	100		
138	6.6	22.5	33.7#
277	0.0	19.9	29.9#

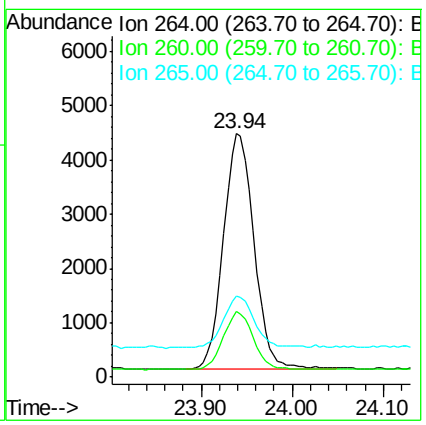


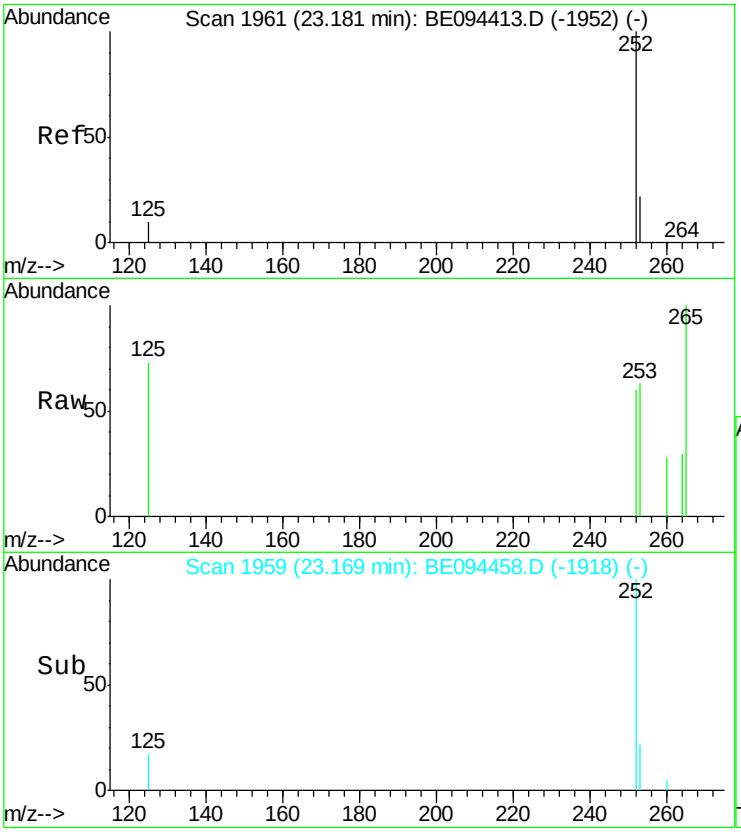


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2128
Delta R.T. -0.03 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:264 Resp: 10069

Ion	Ratio	Lower	Upper
264	100		
260	27.1	20.5	30.7
265	33.2	22.8	34.2



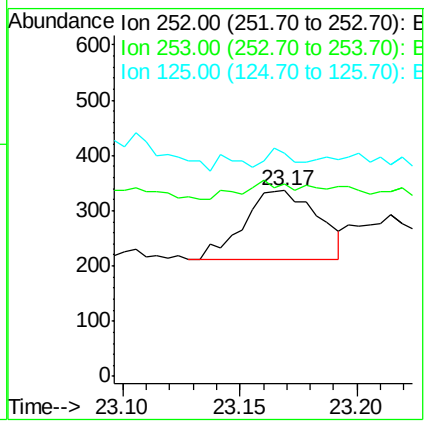


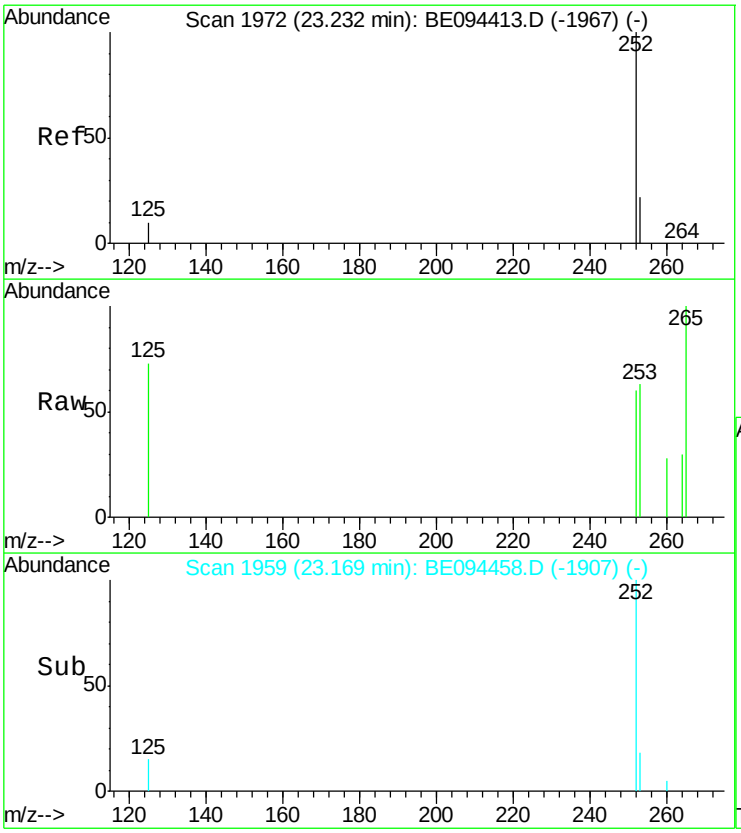
#35
Benzo(b)fluoranthene
Concen: 0.008 ng
RT: 23.17 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:252 Resp: 275

Ion	Ratio	Lower	Upper
252	100		
253	103.9	48.0	72.0#
125	120.5	56.0	84.0#

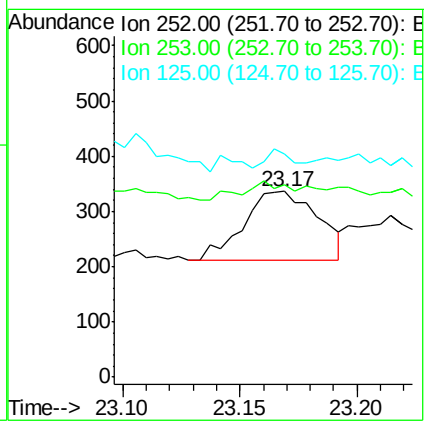


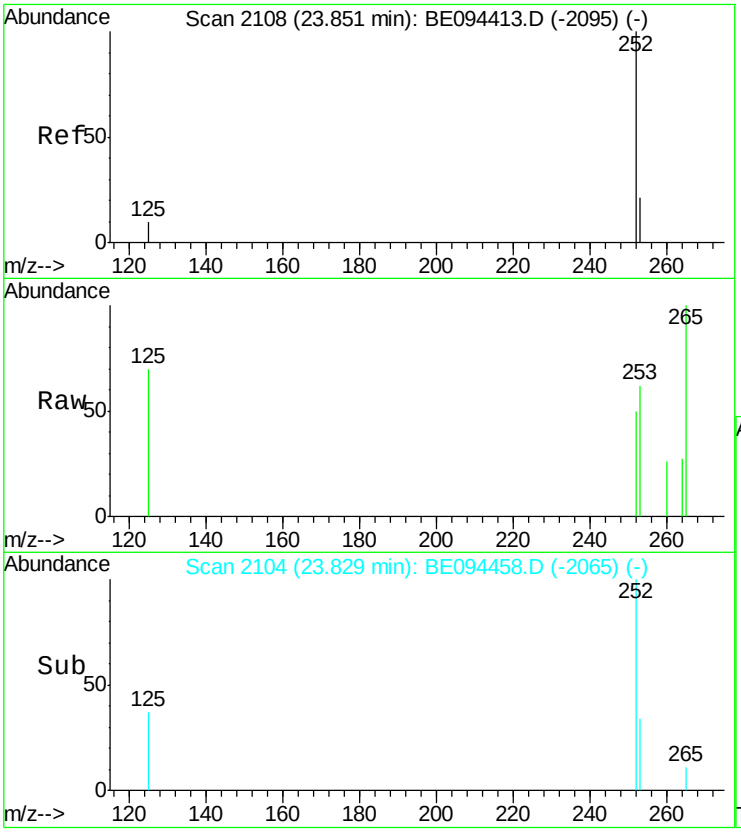


#36
Benzo(k)fluoranthene
Concen: 0.008 ng
RT: 23.17 min Scan# 1959
Delta R.T. -0.06 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:252 Resp: 275

Ion	Ratio	Lower	Upper
252	100		
253	103.9	48.0	72.0#
125	120.5	56.0	84.0#



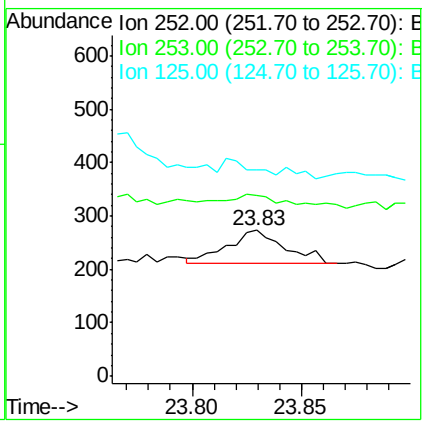


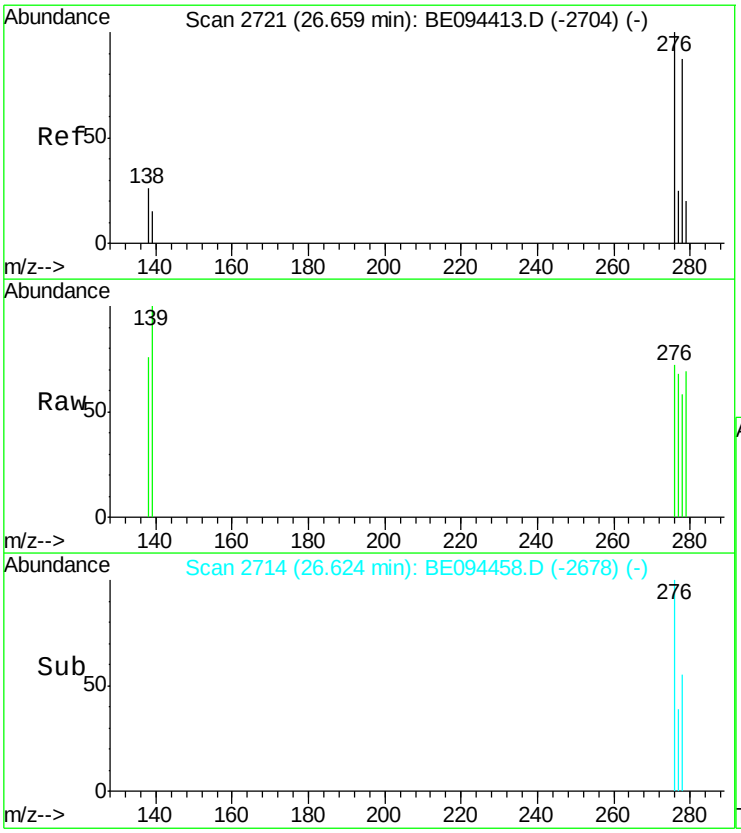
#37
Benzo(a)pyrene
Concen: 0.004 ng
RT: 23.83 min Scan# 2104
Delta R.T. -0.02 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:252 Resp: 114

Ion	Ratio	Lower	Upper
252	100		
253	123.8	52.0	78.0#
125	141.8	68.0	102.0#

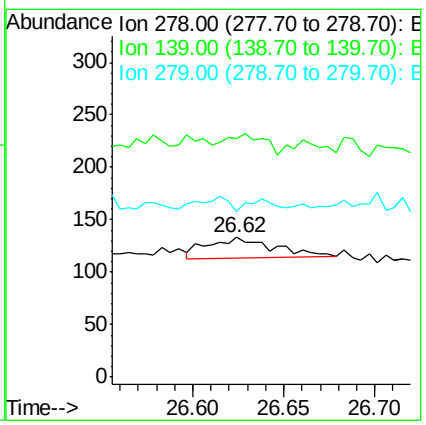


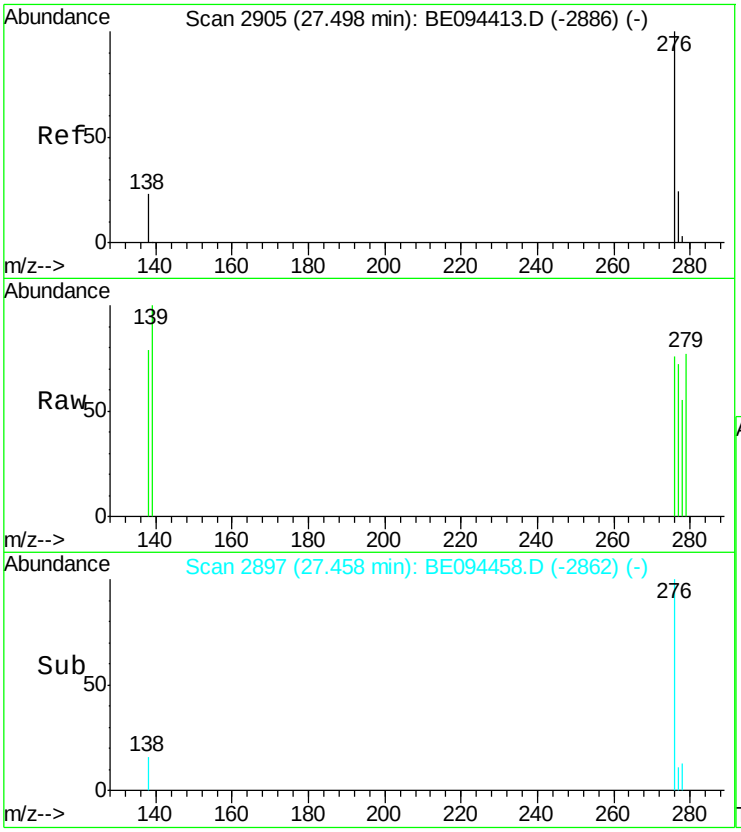


#38
Dibenzo(a,h)anthracene
Concen: 0.002 ng
RT: 26.62 min Scan# 2714
Delta R.T. -0.04 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Tgt Ion:278 Resp: 49

Ion	Ratio	Lower	Upper
278	100		
139	171.4	56.0	84.0#
279	118.8	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.006 ng
RT: 27.46 min Scan# 2897
Delta R.T. -0.04 min
Lab File: BE094458.D
Acq: 19 Oct 2017 22:42

Instrument :
BNA_E
ClientSampleId :
3911-SPP4

Tgt Ion:276 Resp: 162

Ion	Ratio	Lower	Upper
276	100		
277	95.5	52.0	78.0#
138	104.5	44.0	66.0#