Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE110117\
Data File : BE094692.D
Acq On : 1 Nov 2017 15:44
Operator : SJ/JU
Sample : PB103273BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB103273BS

Quant Time: Nov 01 16:31:07 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	7.91	152	946	0.40	ng		0.00
7) Naphthalene-d8	10.72	136	5466	0.40	ng		0.02
13) Acenaphthene-d10	14.52	164	3270	0.40	ng		0.01
19) Phenanthrene-d10	17.27	188	7529	0.40	ng		0.03
27) Chrysene-d12	21.44	240	8023	0.40	ng		0.01
34) Perylene-d12	23.97	264	7385	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.55	112	721	0.22	ng		0.03
5) Phenol-d6	7.21	99	1203	0.25	ng		0.08
8) Nitrobenzene-d5	9.13	82	1048	0.24	ng		0.05
11) 2-Methylnaphthalene-d10	12.31	152	3095	0.35	ng		0.02
14) 2,4,6-Tribromophenol	16.06	330	180	0.20	ng		0.03
15) 2-Fluorobiphenyl	13.16	172	3186	0.28	ng		0.01
25) Fluoranthene-d10	19.30	212	25317	0.24	ng		0.02
29) Terphenyl-d14	19.87	244	3871	0.26	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.41	88	390	0.244	ng	#	43
3) n-Nitrosodimethylamine	3.75	42	338	0.221	ng	#	82
6) bis(2-Chloroethyl)ether	7.34	93	857	0.226	ng	#	68
9) Naphthalene	10.76	128	14344	0.232	ng		98
10) Hexachlorobutadiene	11.01	225	554	0.247	ng		99
12) 2-Methylnaphthalene	12.38	142	2590	0.247	ng		97
16) Acenaphthylene	14.26	152	4164	0.241	ng		98
17) Acenaphthene	14.58	154	2622	0.237	ng		98
18) Fluorene	15.58	166	3375	0.238	ng		98
20) 4-Bromophenyl-phenylether	16.45	248	790	0.193	ng	#	71
21) Hexachlorobenzene	16.58	284	1127	0.313	ng	#	63
22) Pentachlorophenol	17.10	266	45	0.098	ng		96
23) Phenanthrene	17.30	178	6164	0.291	ng		99
24) Anthracene	17.40	178	5791	0.262	ng		98
26) Fluoranthene	19.33	202	6639	0.199	ng		99
28) Pyrene	19.68	202	6805	0.242	ng		98
30) Benzo(a)anthracene	21.42	228	6650	0.255	ng	#	63
31) Chrysene	21.47	228	6334	0.239	ng	#	65
32) Bis(2-ethylhexyl)phthalate	21.28	149	16032	0.250	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.68	276	5196	0.212	ng		99
35) Benzo(b)fluoranthene	23.19	252	5839	0.244	ng	#	44
36) Benzo(k)fluoranthene	23.24	252	6576	0.258	ng	#	44
37) Benzo(a)pyrene	23.86	252	5958	0.257	ng	#	39
38) Dibenzo(a,h)anthracene	26.68	278	4665	0.224	ng	#	52
39) Benzo(g,h,i)perylene	27.52	276	3697	0.190	ng	#	63

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

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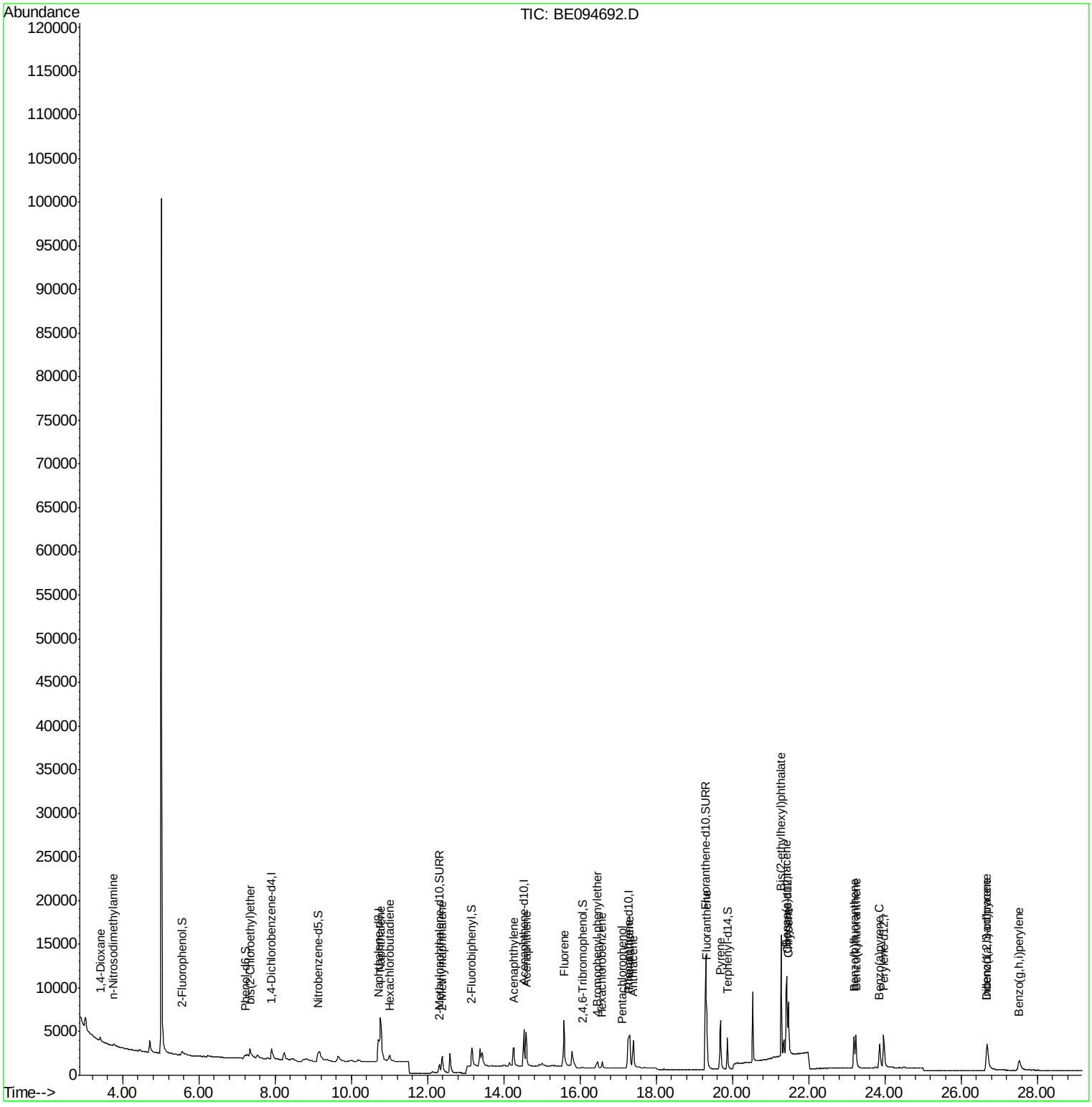
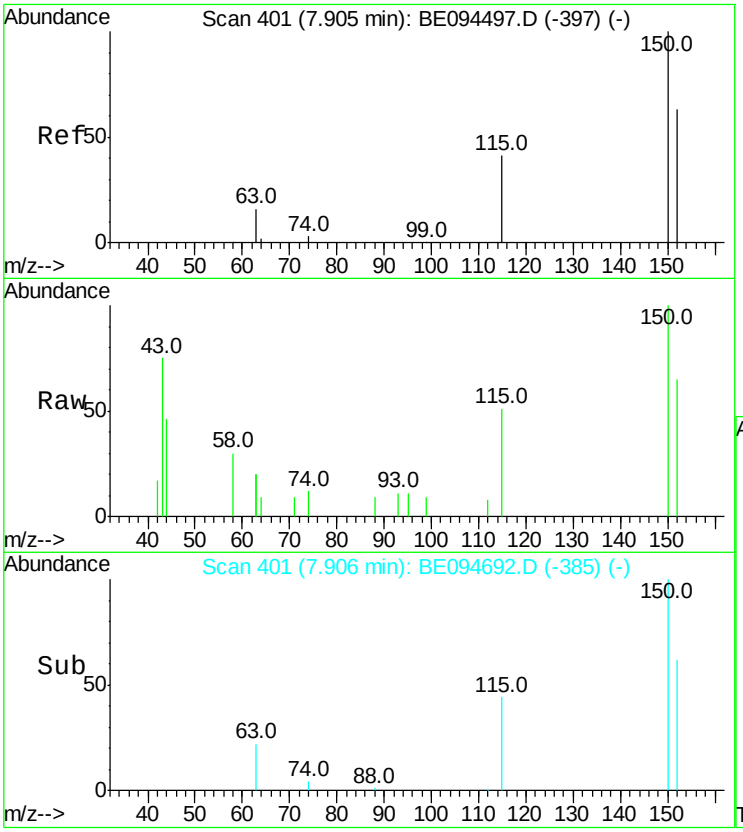
Data File : BE094692.D
Acq On : 1 Nov 2017 15:44
Operator : SJ/JU
Sample : PB103273BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Quant Time: Nov 01 16:31:07 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



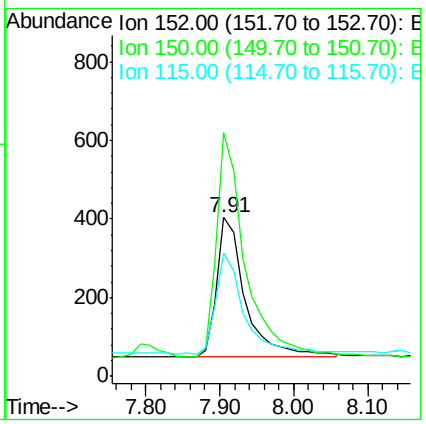


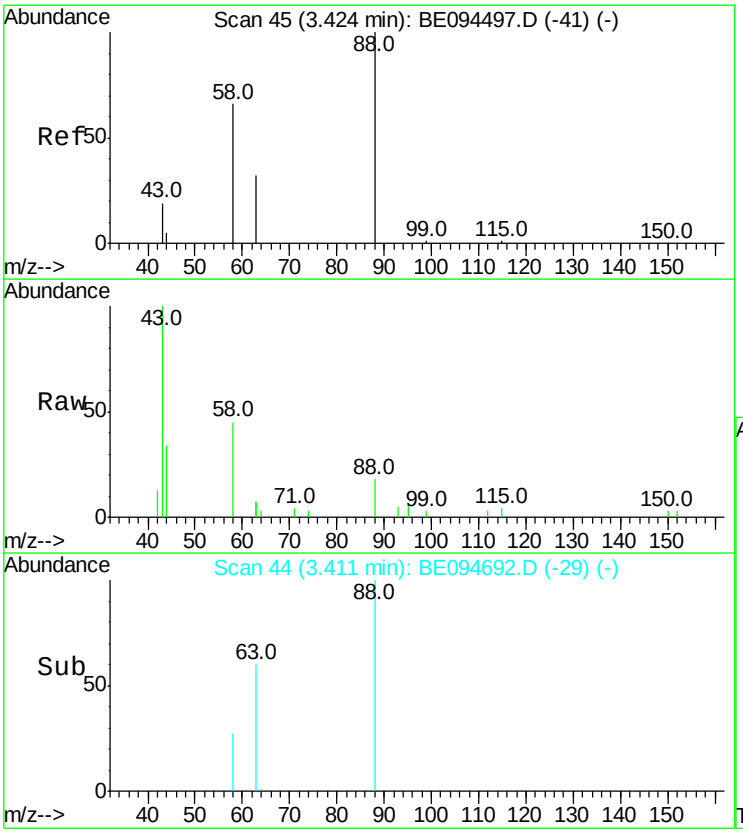
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:152 Resp: 946

Ion	Ratio	Lower	Upper
152	100		
150	153.2	117.2	175.8
115	77.7	57.0	85.6

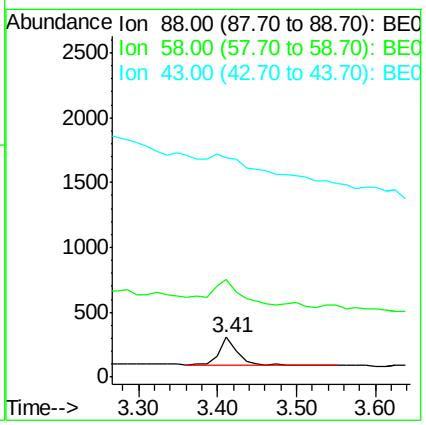


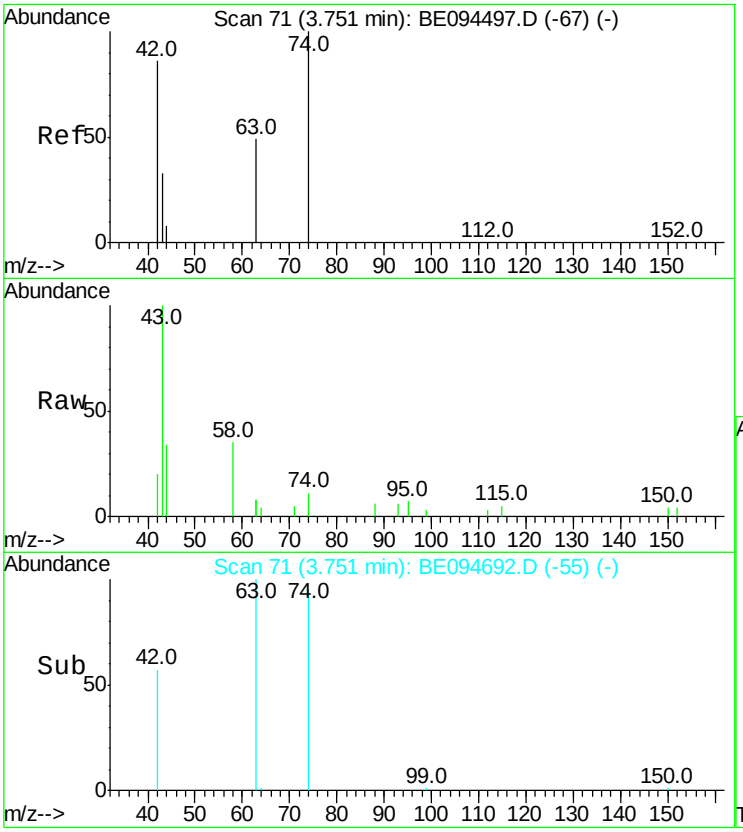


#2
1,4-Dioxane
Concen: 0.244 ng
RT: 3.41 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion: 88 Resp: 390

Ion	Ratio	Lower	Upper
88	100		
58	119.2	63.2	94.8#
43	0.0	41.2	61.8#



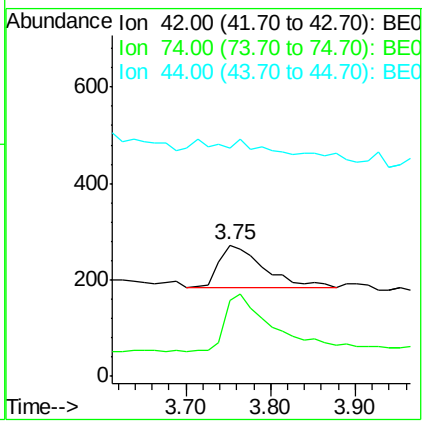


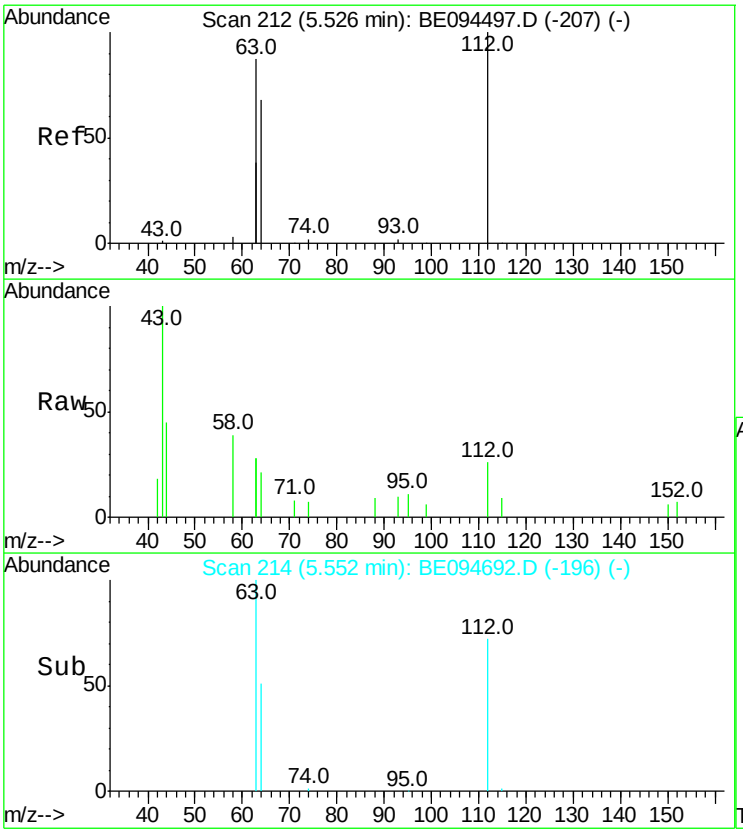
#3
n-Nitrosodimethylamine
Concen: 0.221 ng
RT: 3.75 min Scan# 71
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion: 42 Resp: 338

Ion	Ratio	Lower	Upper
42	100		
74	141.1	100.3	150.5
44	0.0	17.0	25.4#

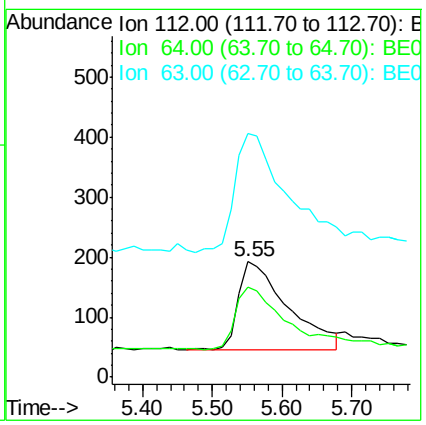


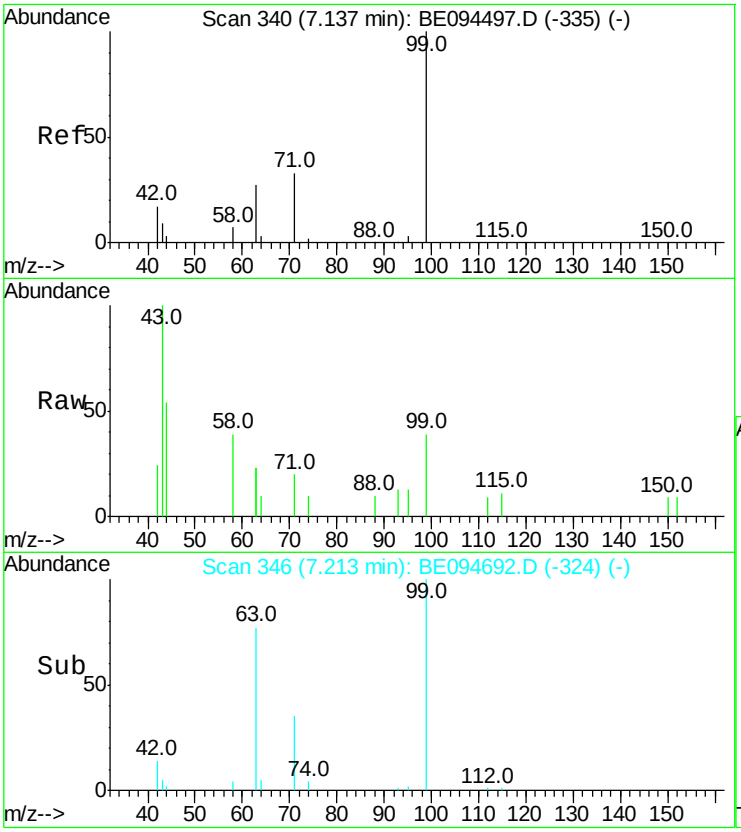


#4
2-Fluorophenol
Concen: 0.222 ng
RT: 5.55 min Scan# 214
Delta R.T. 0.03 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:112 Resp: 721

Ion	Ratio	Lower	Upper
112	100		
64	71.7	60.1	90.1
63	146.5	116.8	175.2



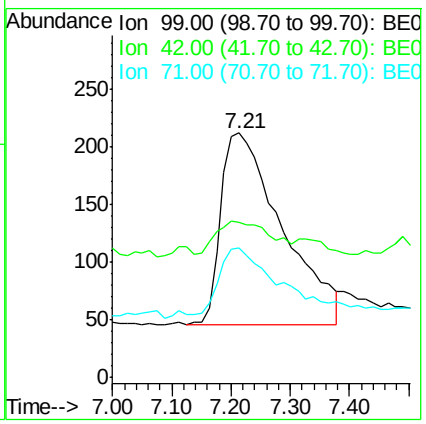


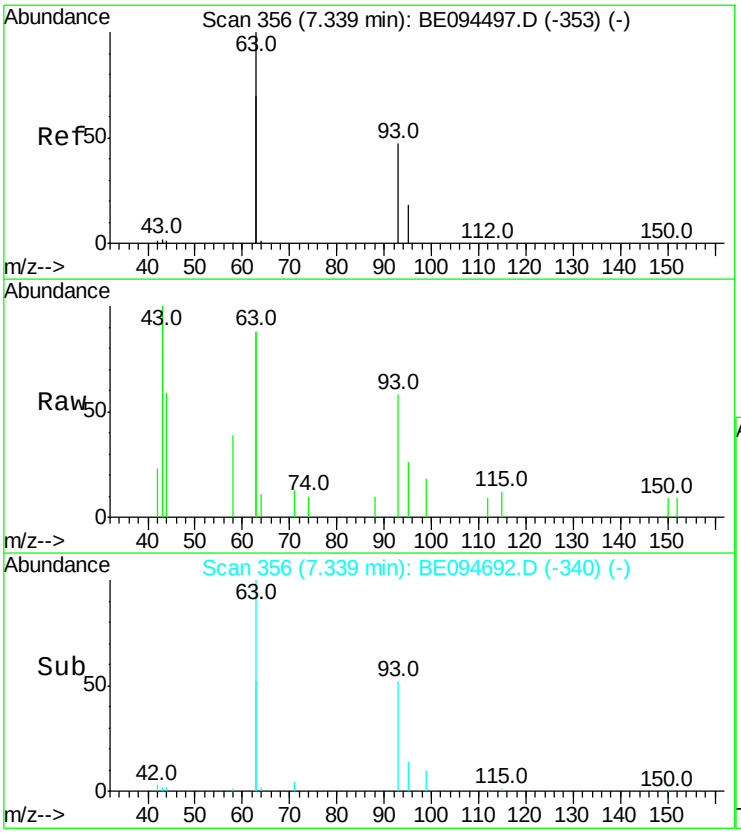
#5
Phenol-d6
Concen: 0.246 ng
RT: 7.21 min Scan# 346
Delta R.T. 0.08 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion: 99 Resp: 1203

Ion	Ratio	Lower	Upper
99	100		
42	15.5	20.2	30.2#
71	33.7	28.4	42.6

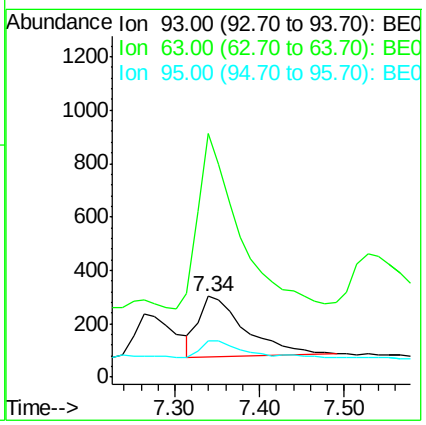


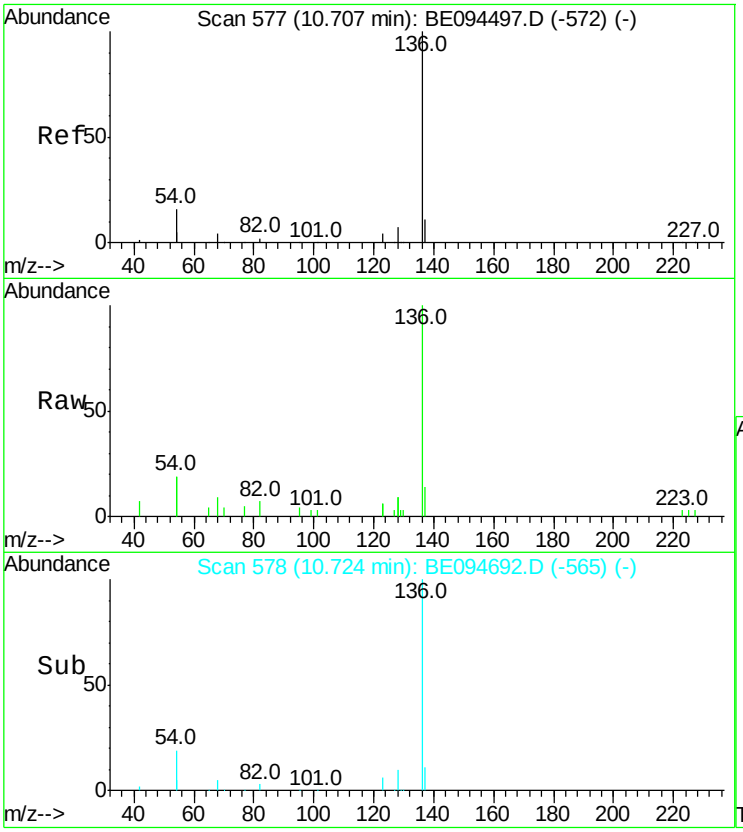


#6
bis(2-Chloroethyl)ether
Concen: 0.226 ng
RT: 7.34 min Scan# 356
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion: 93 Resp: 857

Ion	Ratio	Lower	Upper
93	100		
63	269.4	275.3	412.9#
95	29.1	25.2	37.8



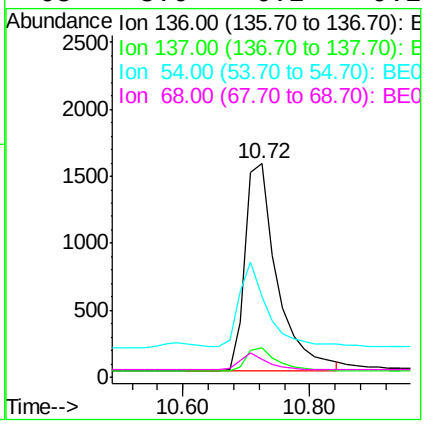


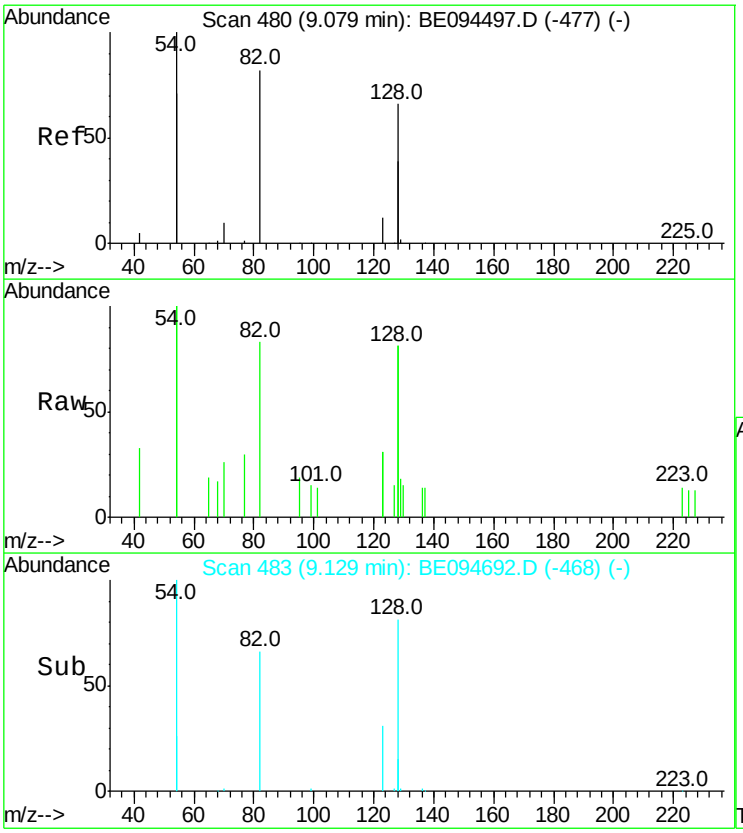
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.72 min Scan# 578
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:136 Resp: 5466

Ion	Ratio	Lower	Upper
136	100		
137	13.6	9.5	14.3
54	37.6	29.1	43.7
68	8.6	6.2	9.2

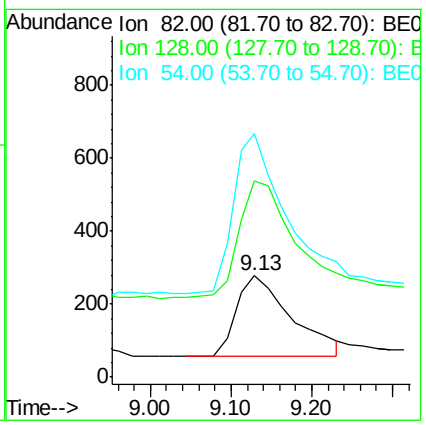


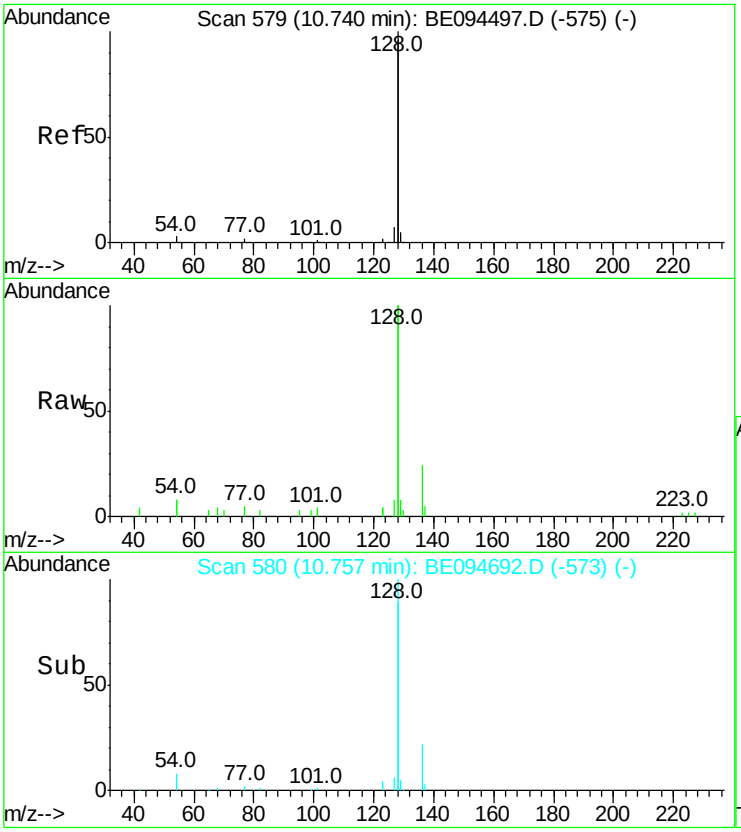


#8
Nitrobenzene-d5
Concen: 0.240 ng
RT: 9.13 min Scan# 483
Delta R.T. 0.05 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion: 82 Resp: 1048

Ion	Ratio	Lower	Upper
82	100		
128	193.5	150.0	225.0
54	240.3	154.2	231.4#



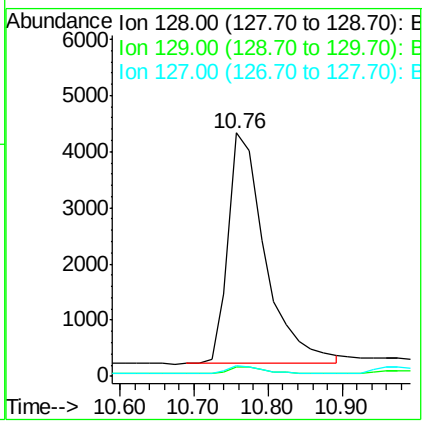


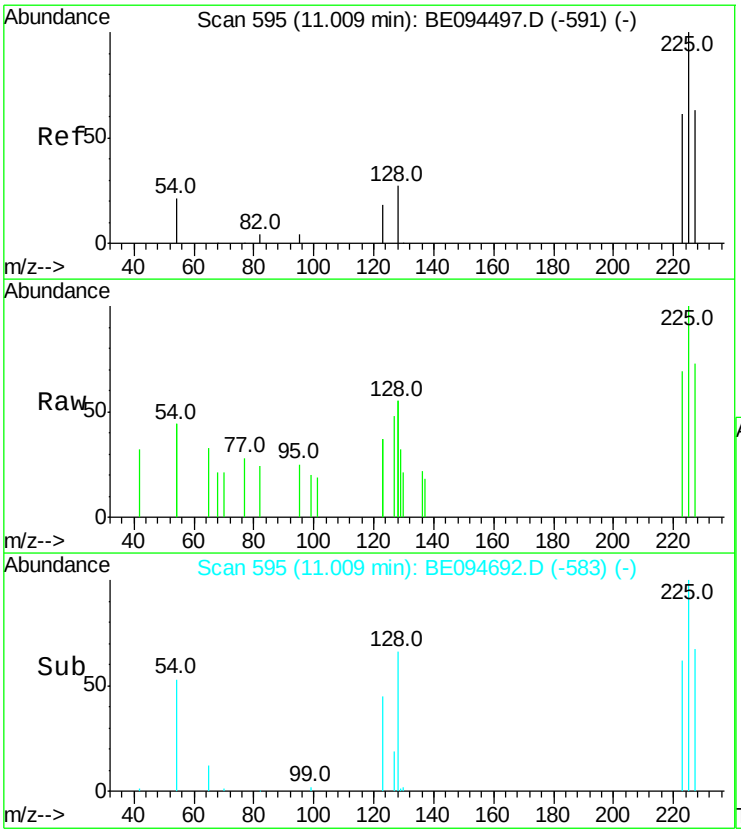
#9
Naphthalene
Concen: 0.232 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:128 Resp: 14344

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

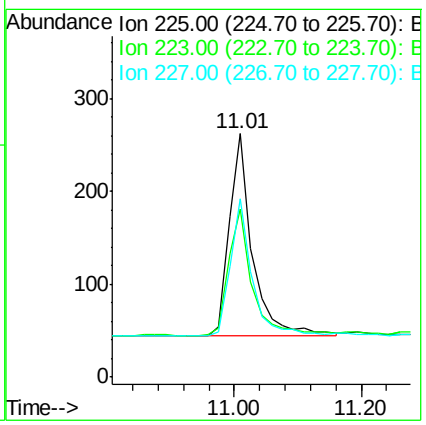


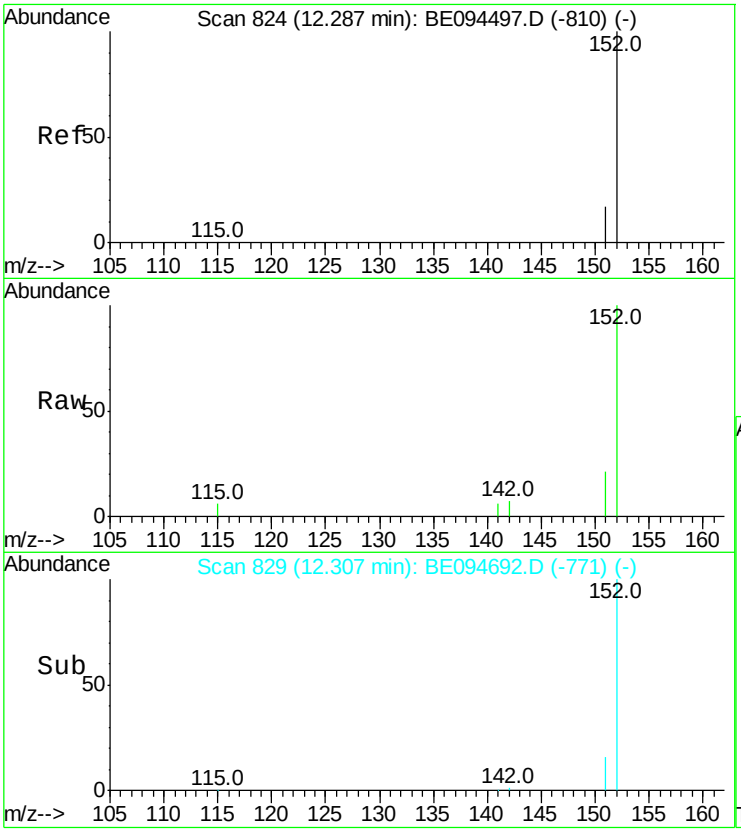


#10
Hexachlorobutadiene
Concen: 0.247 ng
RT: 11.01 min Scan# 595
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:225 Resp: 554

Ion	Ratio	Lower	Upper
225	100		
223	64.1	53.0	79.6
227	64.3	51.4	77.2



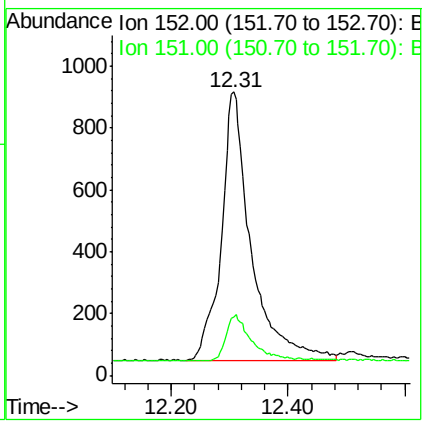


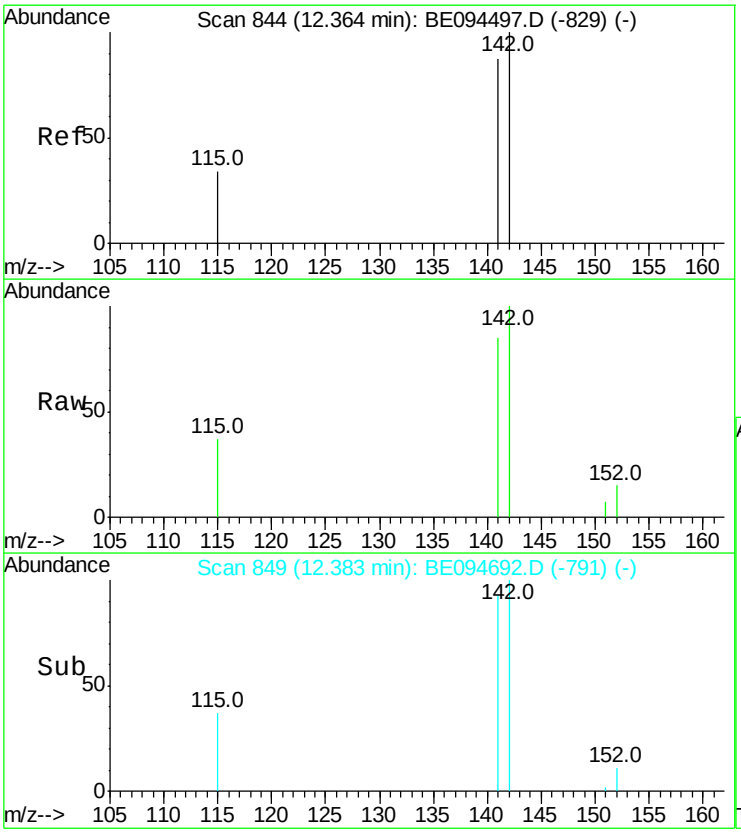
#11
2-Methylnaphthalene-d10
Concen: 0.353 ng
RT: 12.31 min Scan# 829
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:152 Resp: 3095

Ion	Ratio	Lower	Upper
152	100		
151	14.2	15.4	23.0#

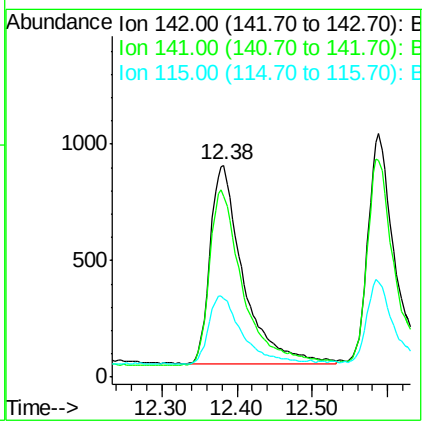


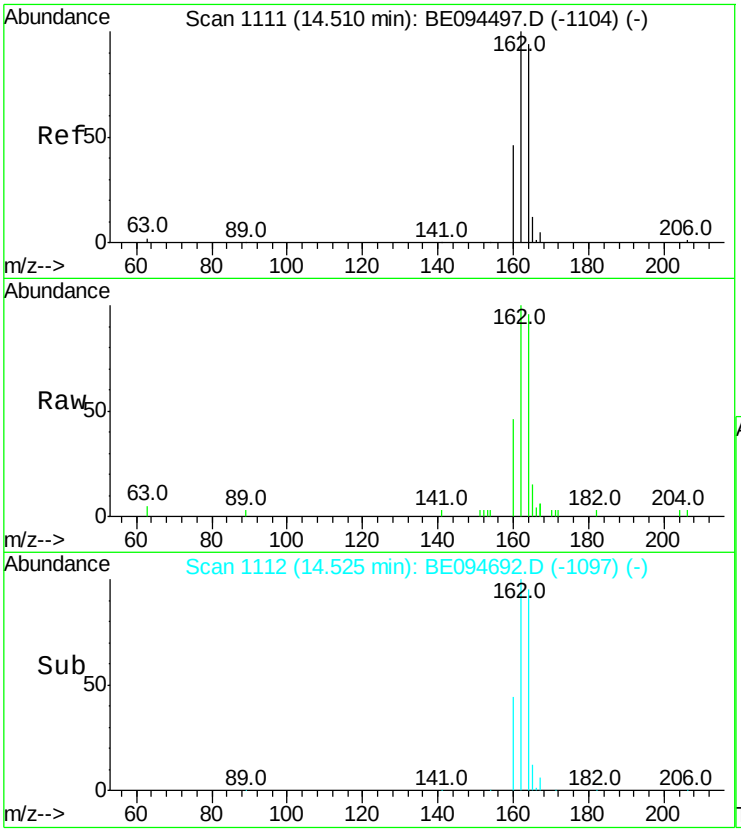


#12
2-Methylnaphthalene
Concen: 0.247 ng
RT: 12.38 min Scan# 849
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:142 Resp: 2590

Ion	Ratio	Lower	Upper
142	100		
141	85.2	70.4	105.6
115	37.1	31.7	47.5



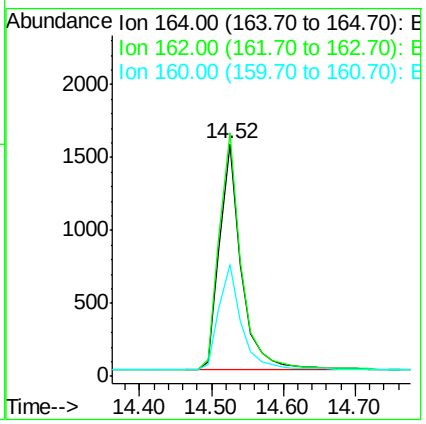


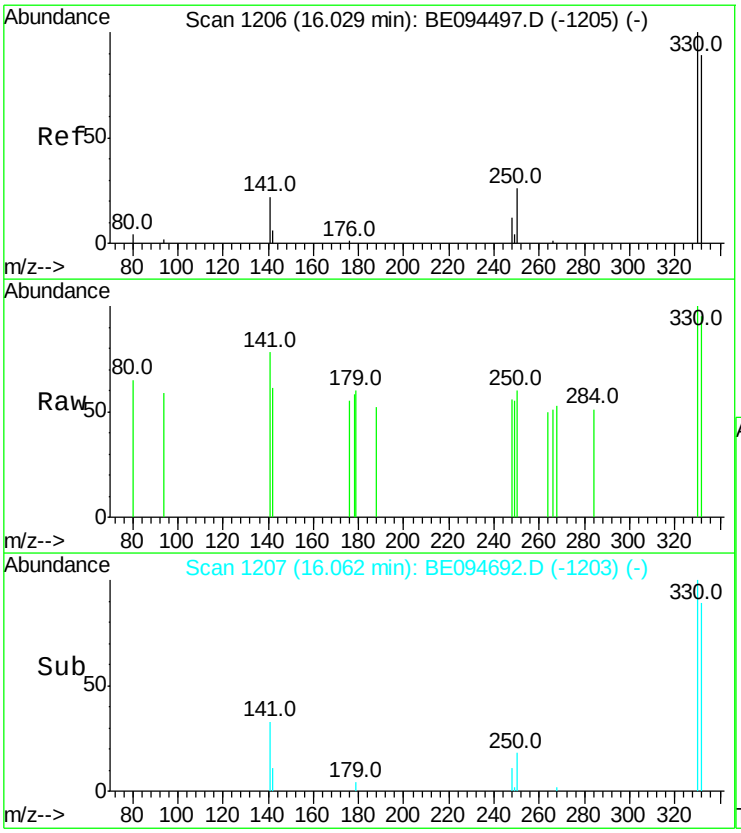
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.52 min Scan# 1112
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:164 Resp: 3270

Ion	Ratio	Lower	Upper
164	100		
162	104.6	83.1	124.7
160	48.2	37.1	55.7

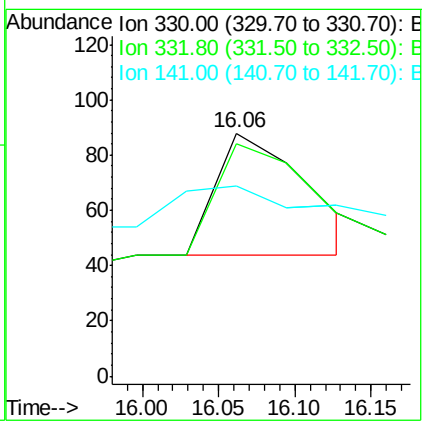


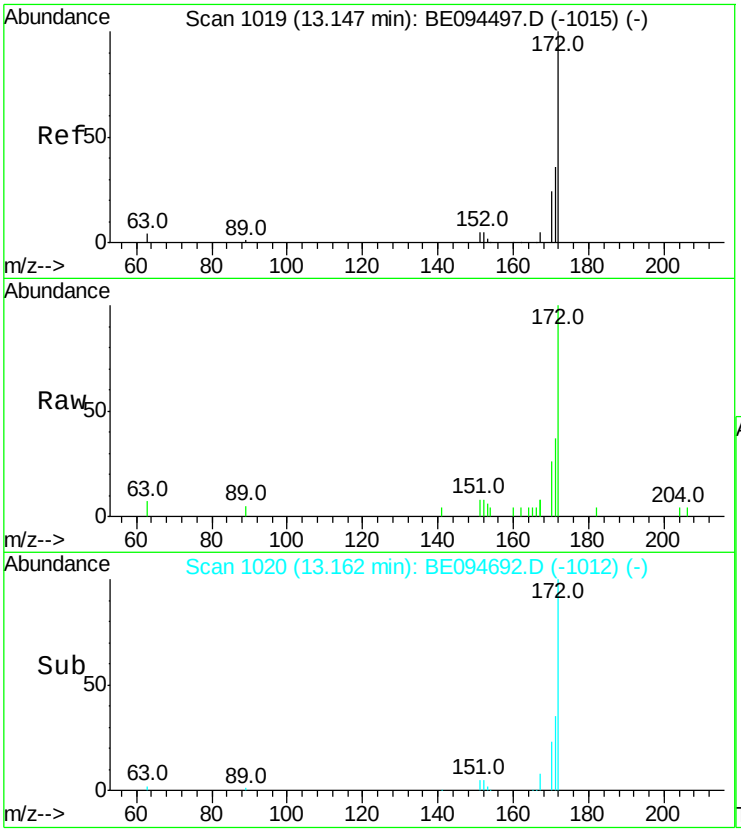


#14
2,4,6-Tribromophenol
Concen: 0.200 ng
RT: 16.06 min Scan# 1207
Delta R.T. 0.03 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:330 Resp: 180

Ion	Ratio	Lower	Upper
330	100		
332	95.6	152.7	229.1#
141	37.8	33.7	50.5



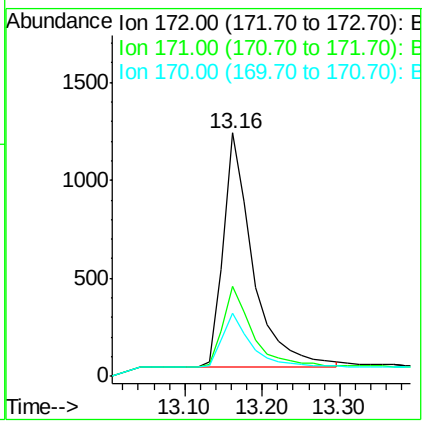


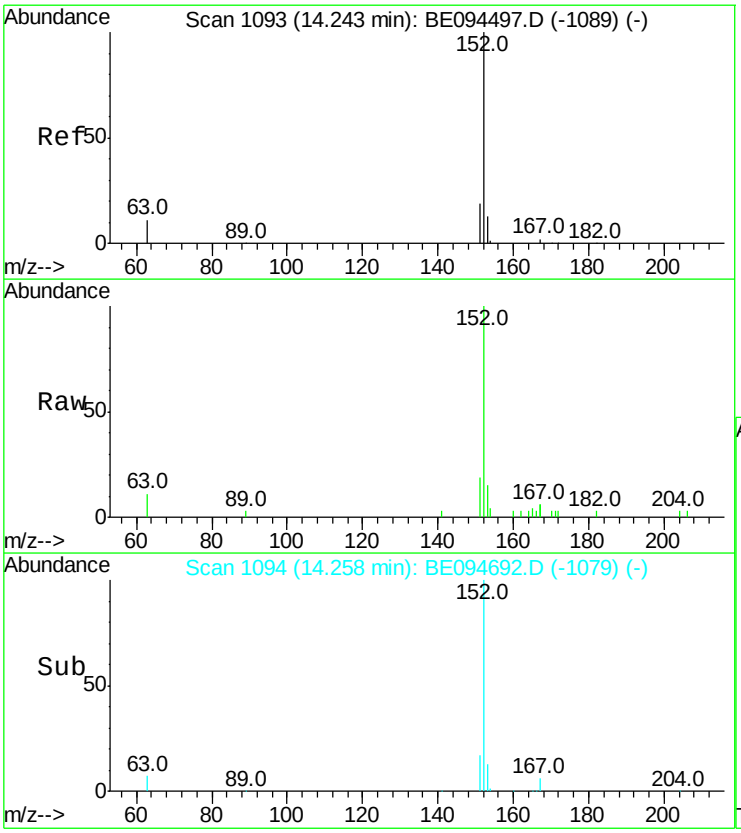
#15
2-Fluorobiphenyl
Concen: 0.276 ng
RT: 13.16 min Scan# 1020
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:172 Resp: 3186

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.9	44.9
170	26.0	21.8	32.8

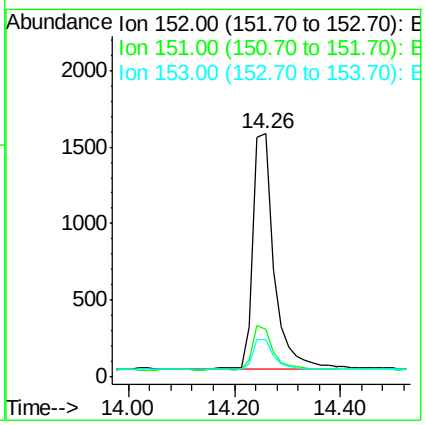


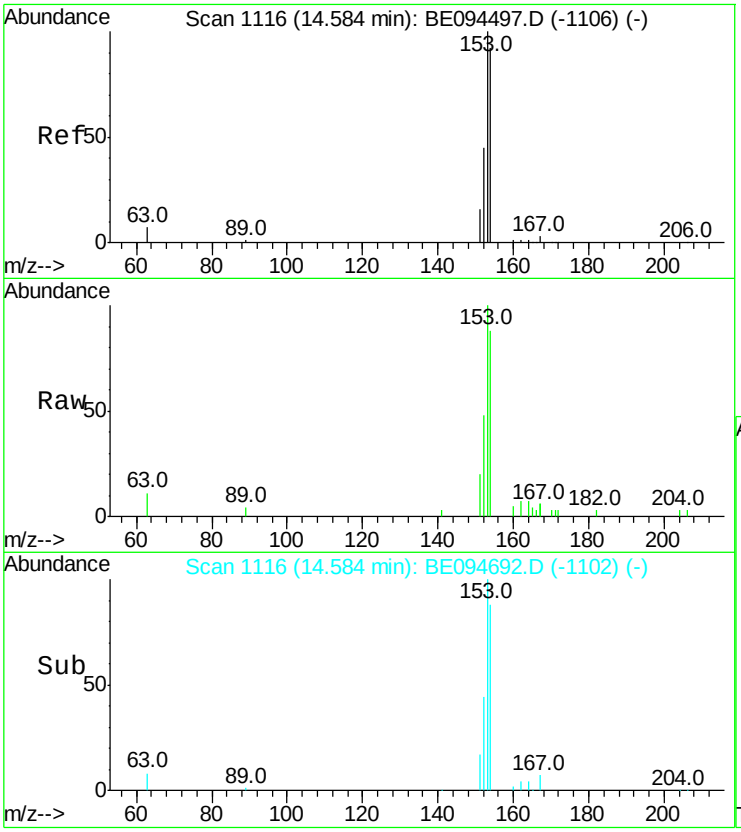


#16
Acenaphthylene
Concen: 0.241 ng
RT: 14.26 min Scan# 1094
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:152 Resp: 4164

Ion	Ratio	Lower	Upper
152	100		
151	18.2	15.7	23.5
153	13.0	10.5	15.7



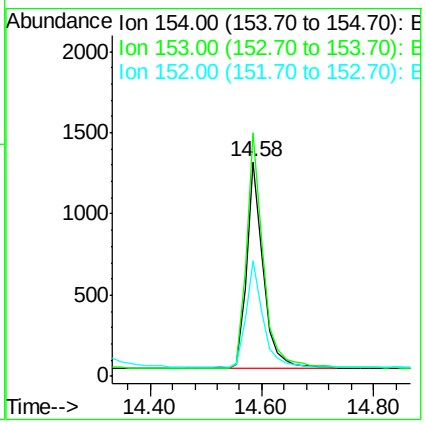


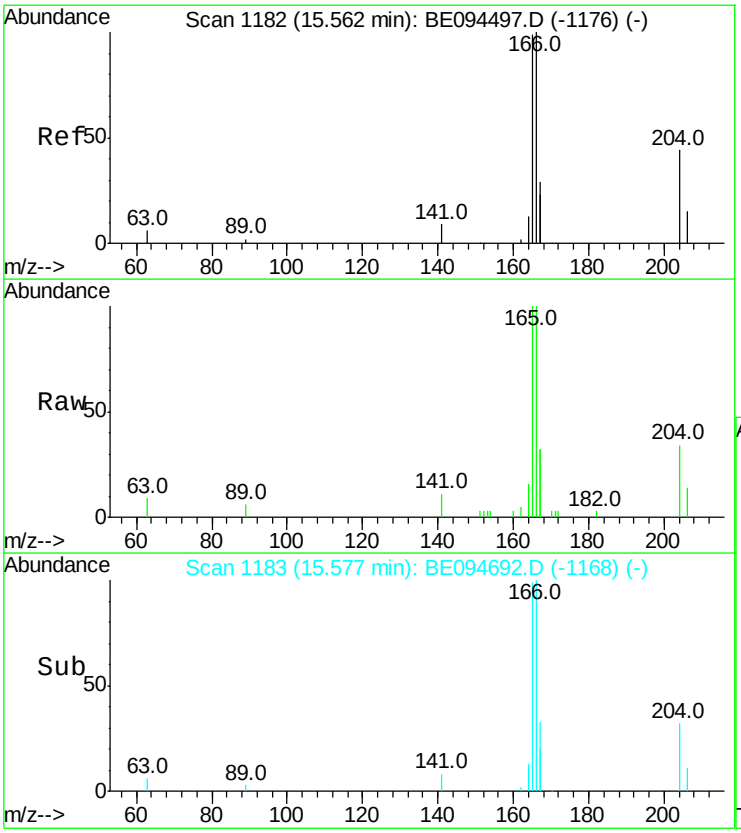
#17
Acenaphthene
Concen: 0.237 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:154 Resp: 2622

Ion	Ratio	Lower	Upper
154	100		
153	115.0	89.2	133.8
152	52.1	42.0	63.0

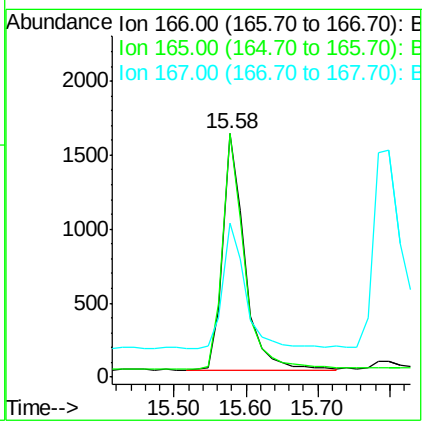


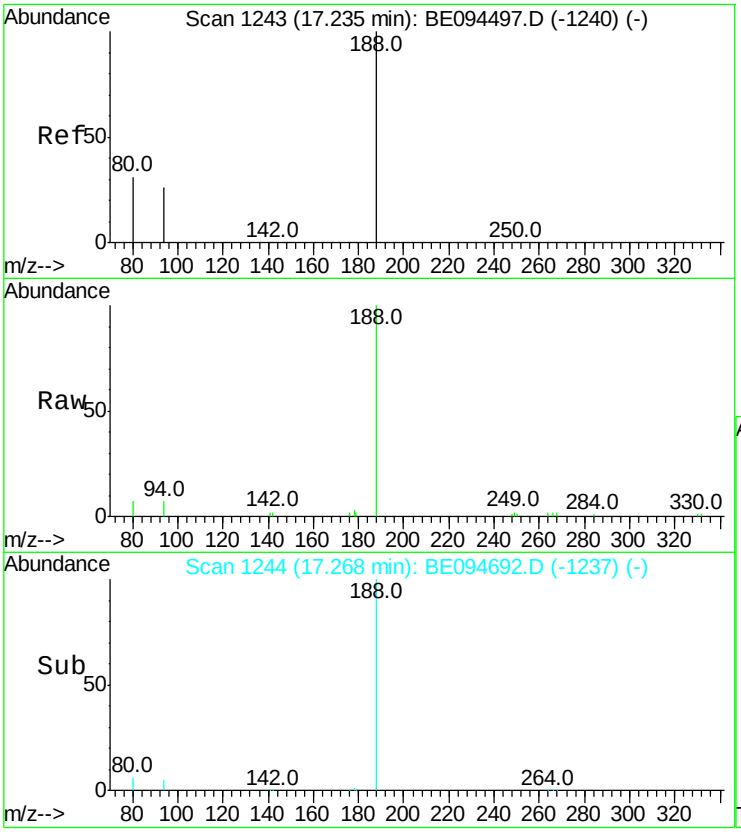


#18
Fluorene
Concen: 0.238 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:166 Resp: 3375

Ion	Ratio	Lower	Upper
166	100		
165	99.1	77.8	116.6
167	55.5	42.4	63.6



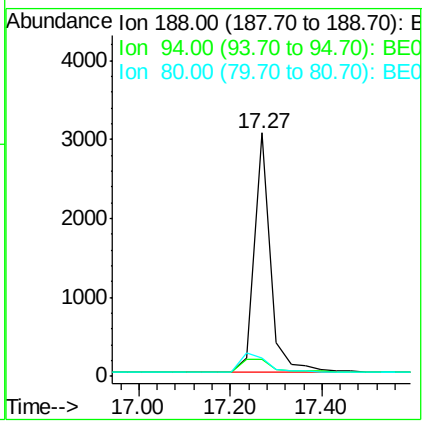


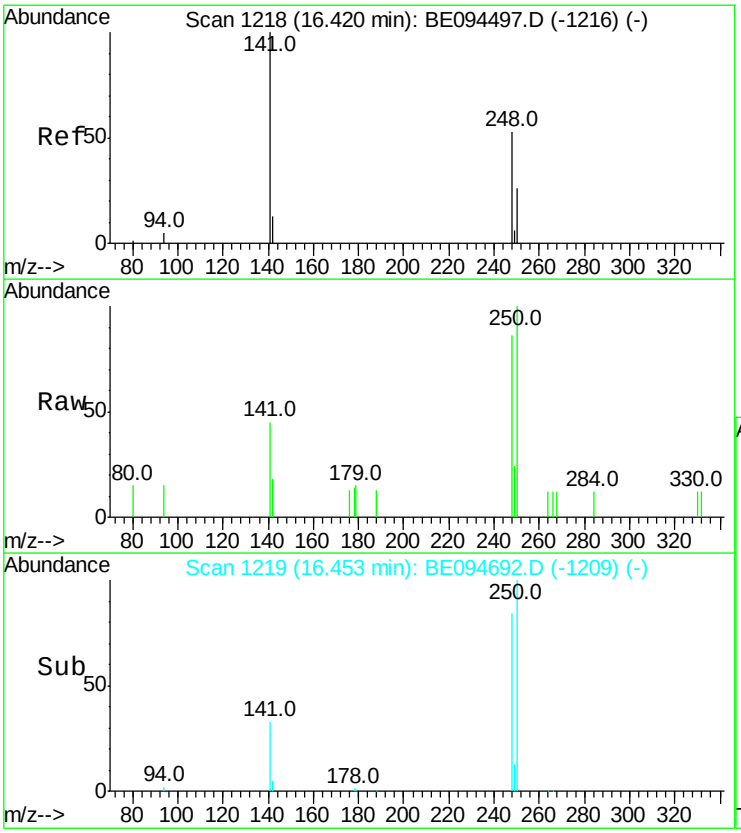
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.03 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:188 Resp: 7529

Ion	Ratio	Lower	Upper
188	100		
94	6.8	3.9	5.9#
80	7.3	3.6	5.4#

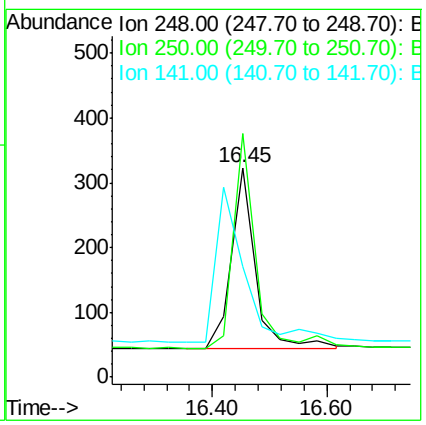


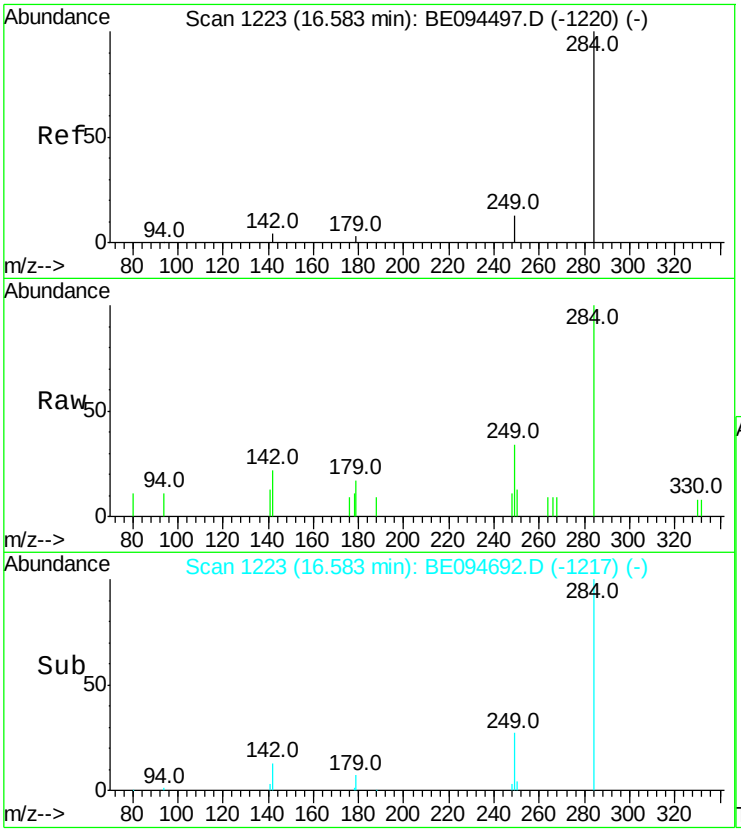


#20
4-Bromophenyl-phenylether
Concen: 0.193 ng
RT: 16.45 min Scan# 1219
Delta R.T. 0.03 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:248 Resp: 790

Ion	Ratio	Lower	Upper
248	100		
250	116.4	62.7	94.1#
141	52.9	48.2	72.2



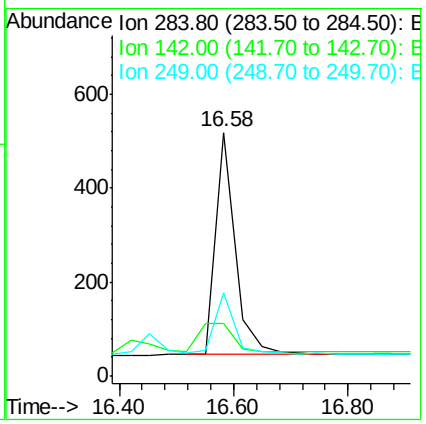


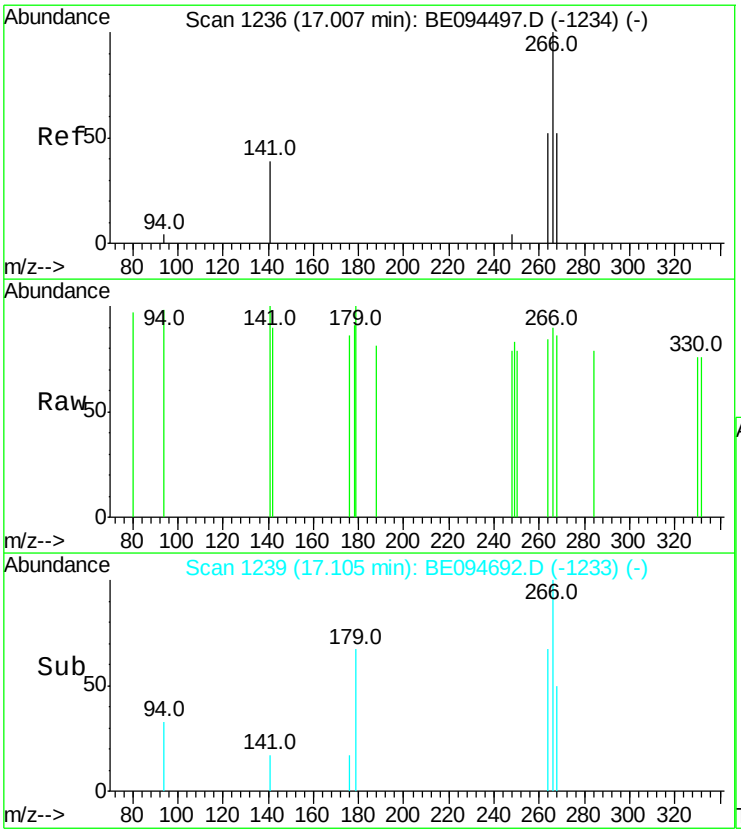
#21
Hexachlorobenzene
Concen: 0.313 ng
RT: 16.58 min Scan# 1223
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:284 Resp: 1127

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	26.4	34.8	52.2#

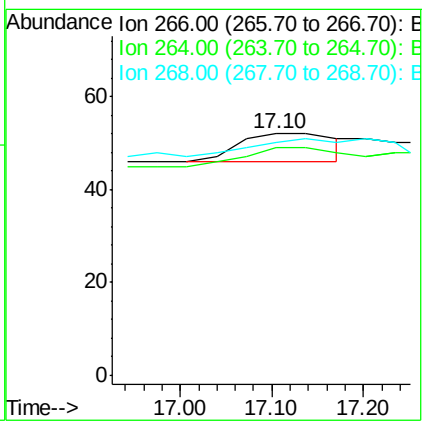


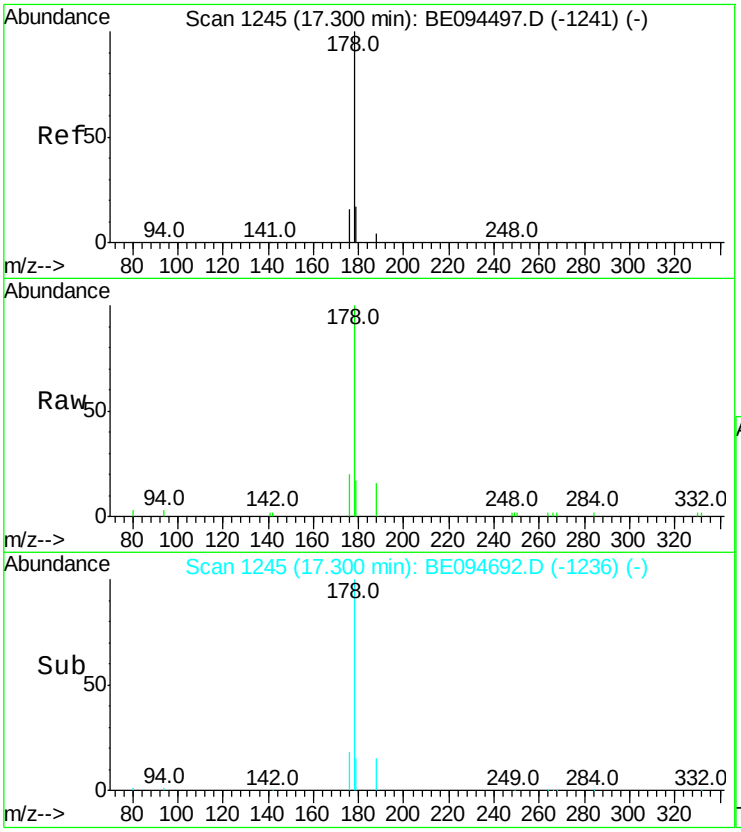


#22
Pentachlorophenol
Concen: 0.098 ng
RT: 17.10 min Scan# 1239
Delta R.T. 0.10 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:266 Resp: 45

Ion	Ratio	Lower	Upper
266	100		
264	94.2	72.5	108.7
268	96.2	73.8	110.6



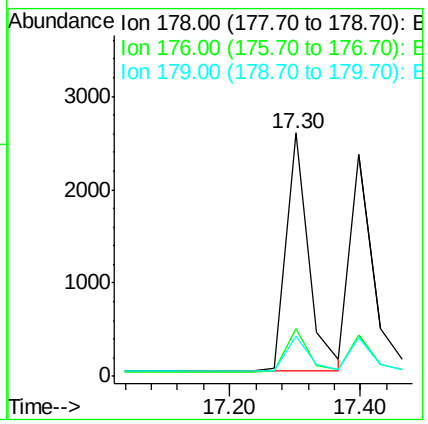


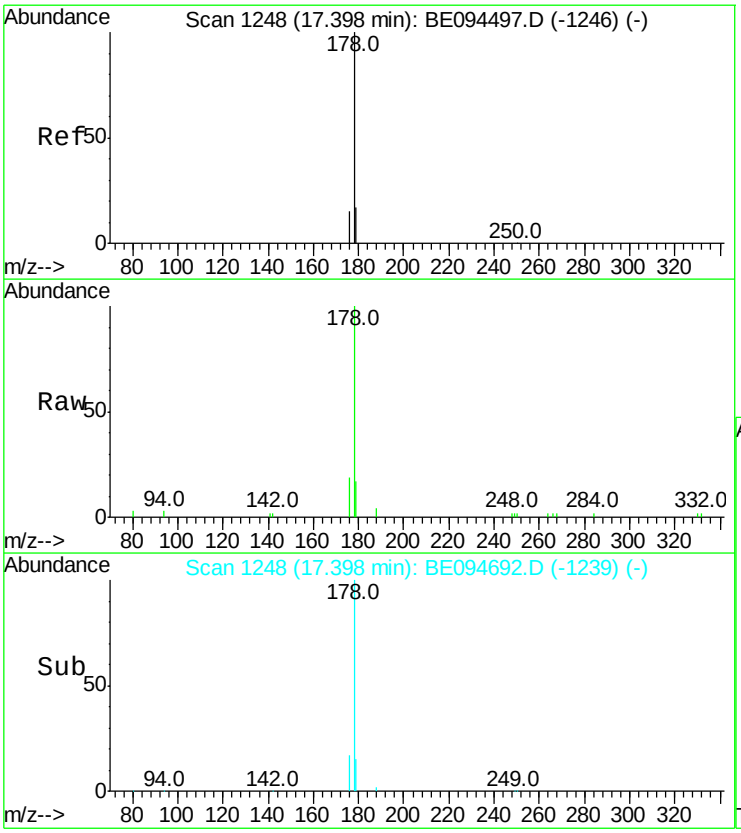
#23
Phenanthrene
Concen: 0.291 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:178 Resp: 6164

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.1	22.7
179	15.2	11.8	17.6

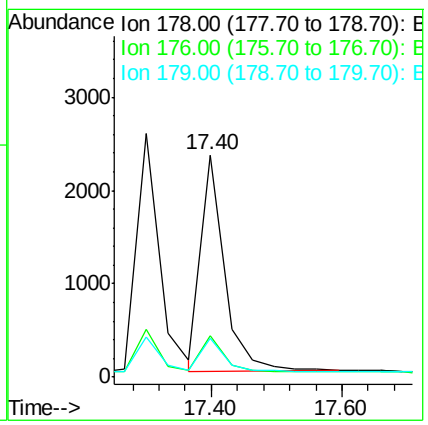


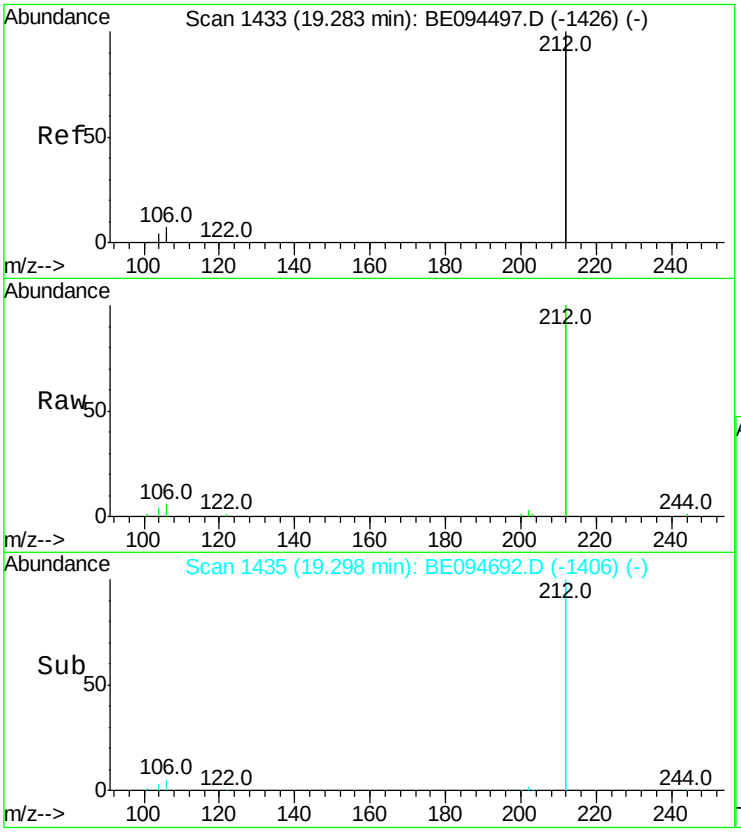


#24
Anthracene
Concen: 0.262 ng
RT: 17.40 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:178 Resp: 5791

Ion	Ratio	Lower	Upper
178	100		
176	16.9	12.8	19.2
179	15.3	13.0	19.6



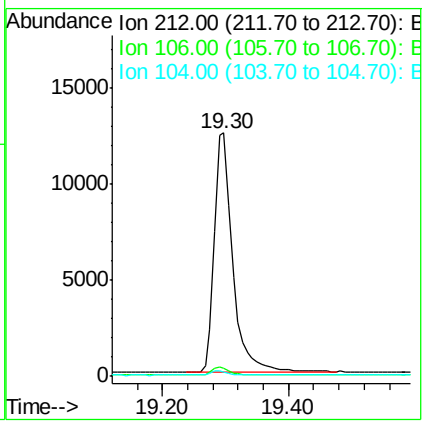


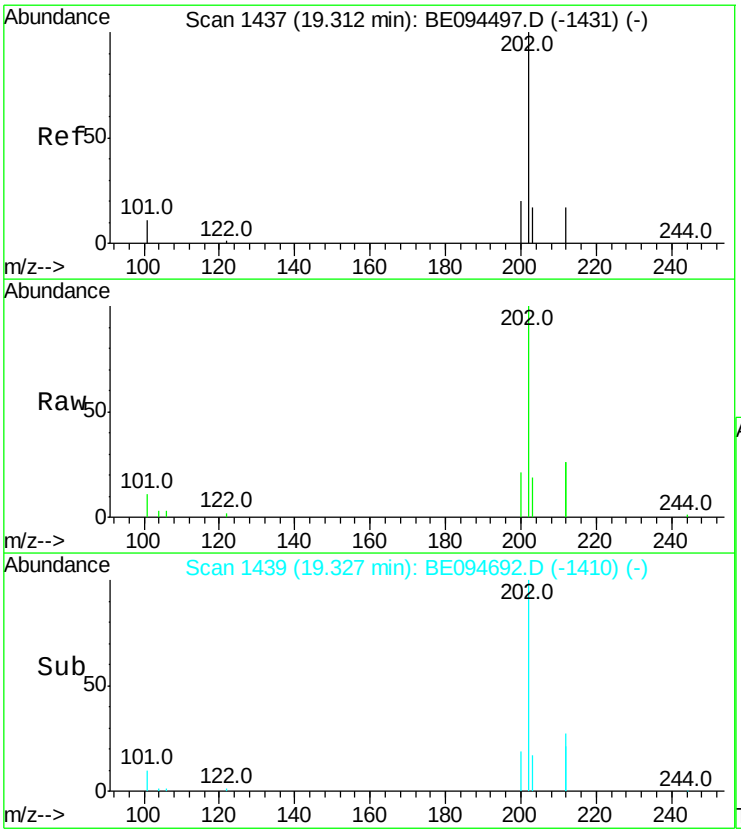
#25
Fluoranthene-d10
Concen: 0.243 ng
RT: 19.30 min Scan# 1435
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:212 Resp: 25317

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.8	4.2
104	1.8	1.6	2.4

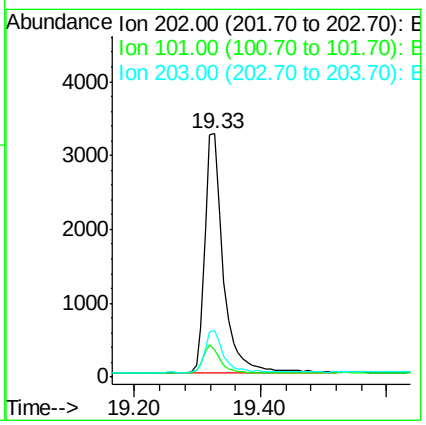


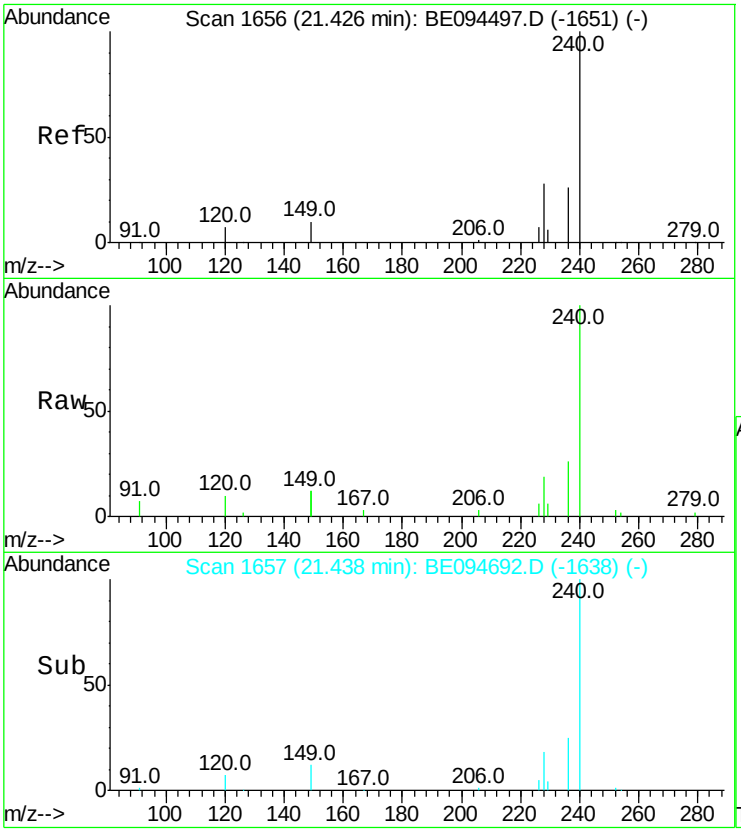


#26
Fluoranthene
Concen: 0.199 ng
RT: 19.33 min Scan# 1439
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:202 Resp: 6639

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.8	14.8
203	16.9	13.7	20.5



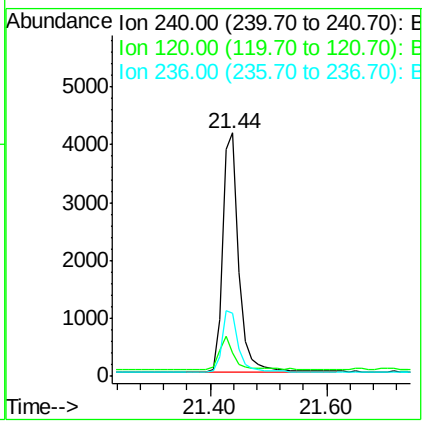


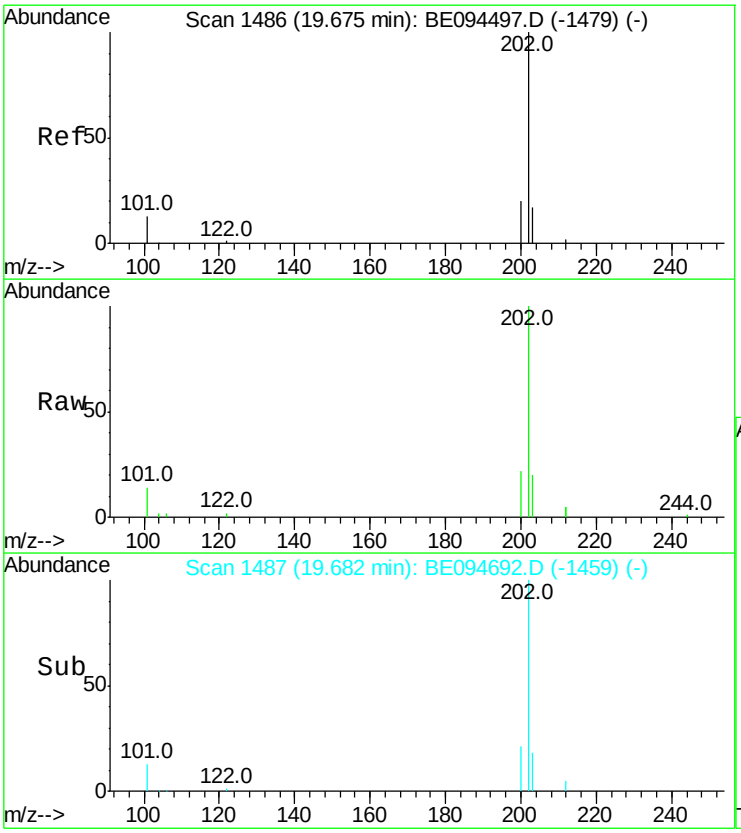
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.44 min Scan# 1657
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:240 Resp: 8023

Ion	Ratio	Lower	Upper
240	100		
120	9.7	5.5	8.3#
236	26.0	20.7	31.1

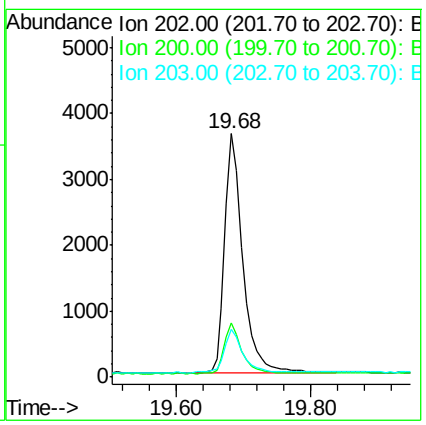


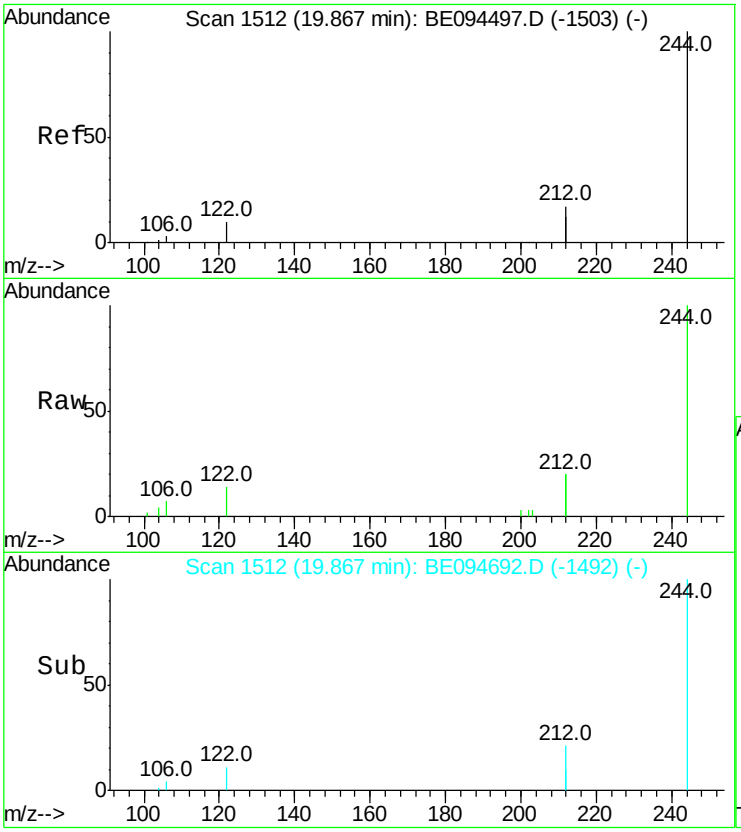


#28
Pyrene
Concen: 0.242 ng
RT: 19.68 min Scan# 1487
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:202 Resp: 6805

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.6	25.0
203	18.4	13.8	20.8



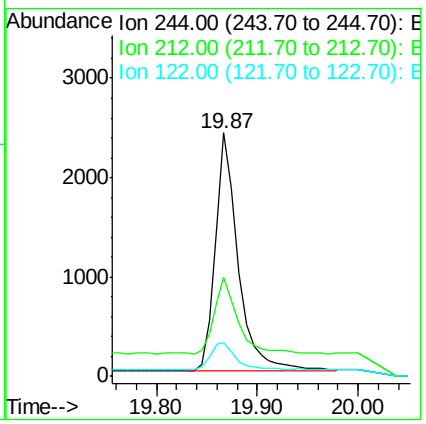


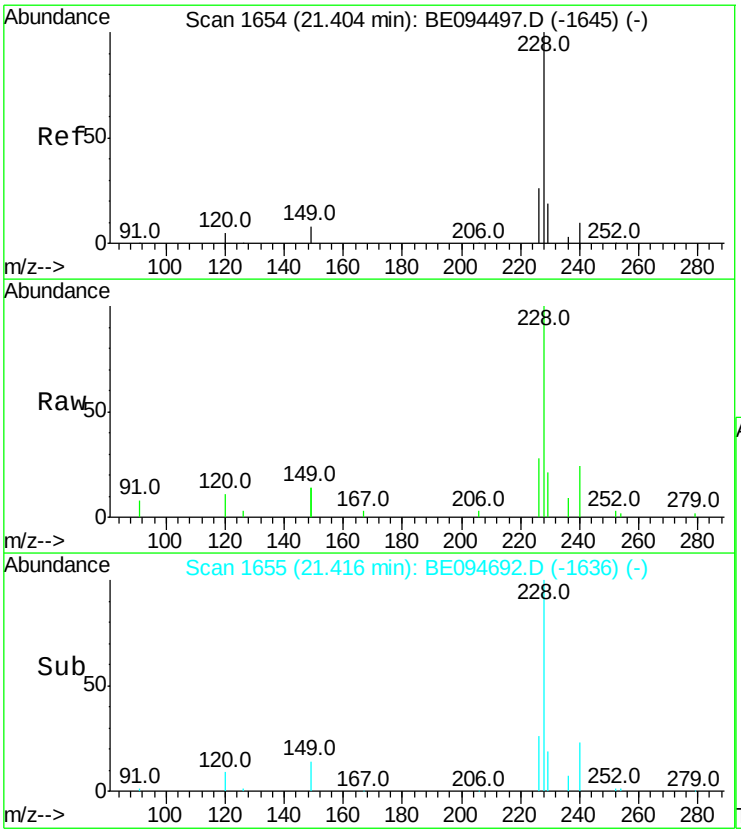
#29
Terphenyl-d14
Concen: 0.256 ng
RT: 19.87 min Scan# 1512
Delta R.T. 0.00 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:244 Resp: 3871

Ion	Ratio	Lower	Upper
244	100		
212	40.8	25.4	38.0#
122	13.8	8.1	12.1#

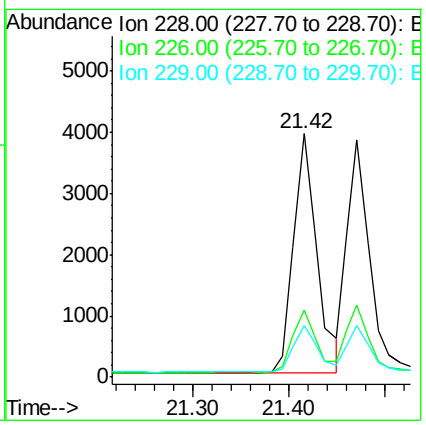


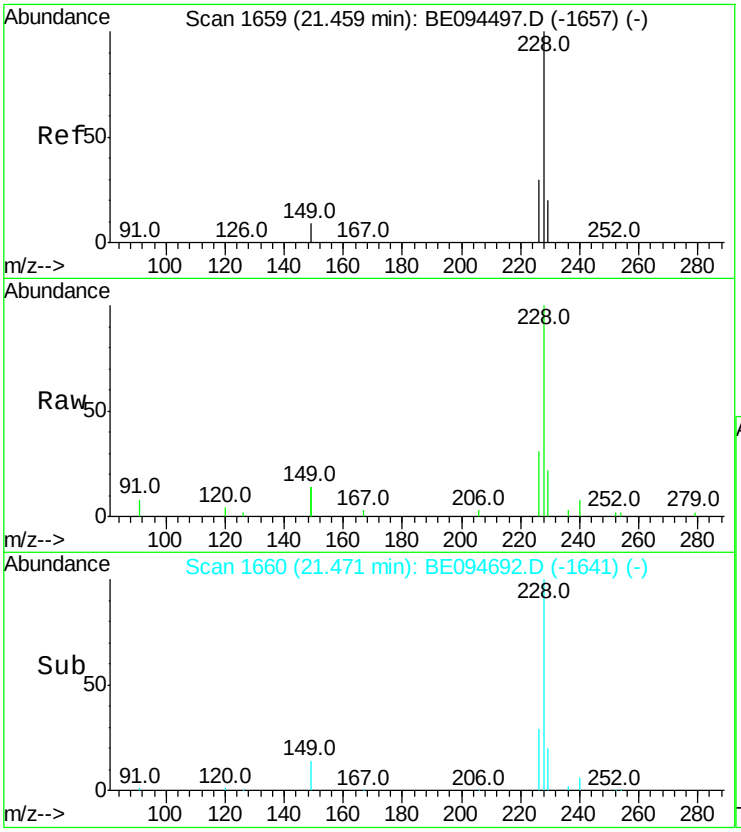


#30
Benzo(a)anthracene
Concen: 0.255 ng
RT: 21.42 min Scan# 1655
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:228 Resp: 6650

Ion	Ratio	Lower	Upper
228	100		
226	27.6	40.0	60.0#
229	21.2	40.0	60.0#



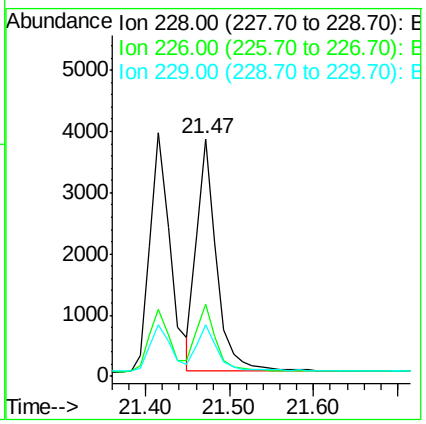


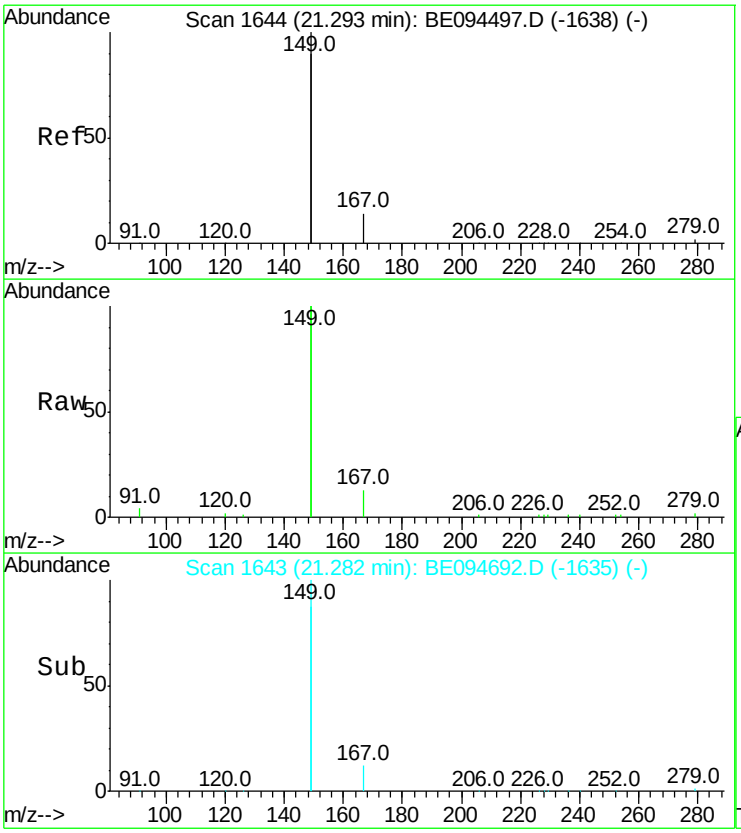
#31
Chrysene
Concen: 0.239 ng
RT: 21.47 min Scan# 1660
Delta R.T. 0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:228 Resp: 6334

Ion	Ratio	Lower	Upper
228	100		
226	30.5	40.0	60.0#
229	21.6	40.0	60.0#

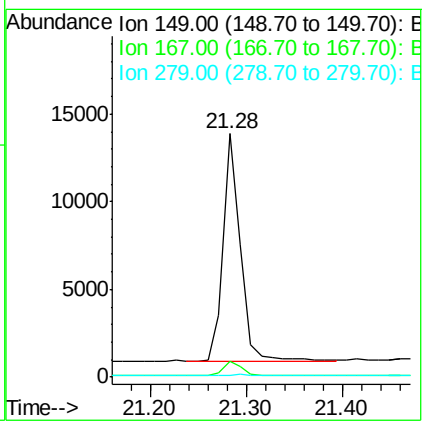


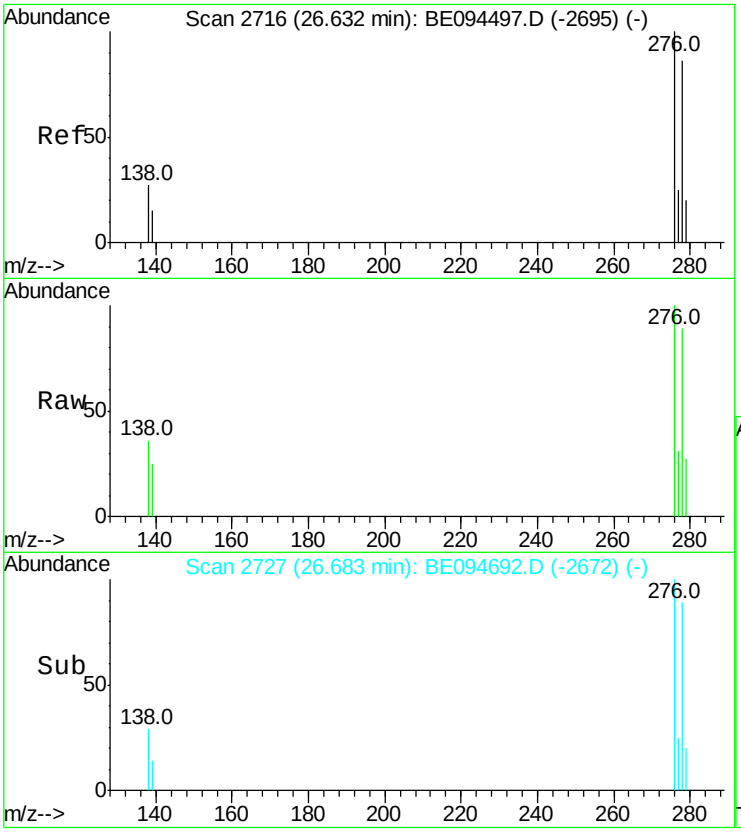


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.250 ng
RT: 21.28 min Scan# 1643
Delta R.T. -0.01 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:149 Resp: 16032

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



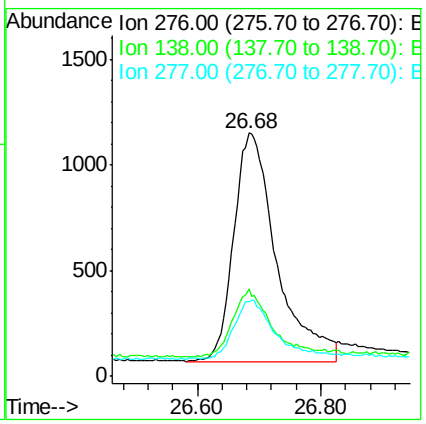


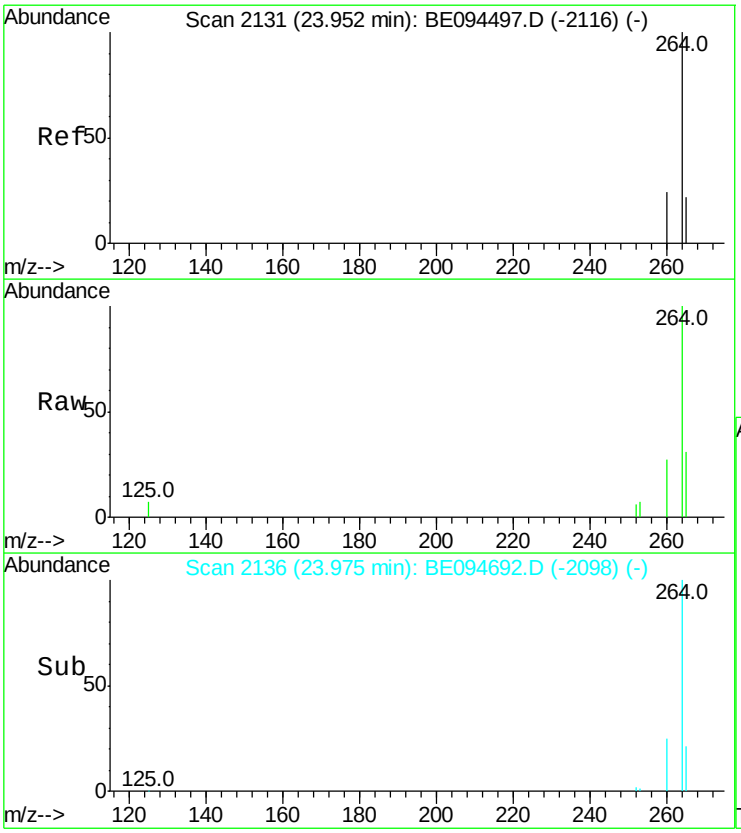
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.212 ng
RT: 26.68 min Scan# 2727
Delta R.T. 0.05 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:276 Resp: 5196

Ion	Ratio	Lower	Upper
276	100		
138	27.0	22.5	33.7
277	24.8	19.9	29.9

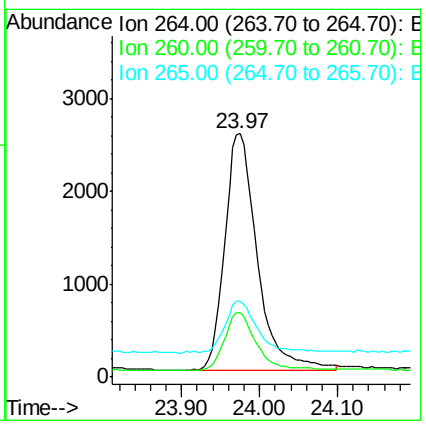


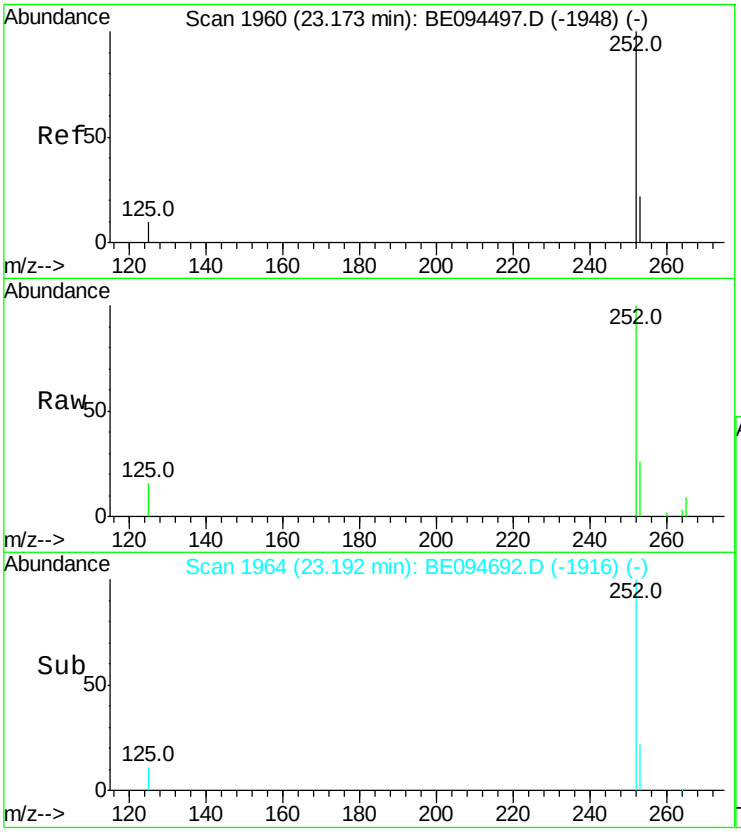


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.97 min Scan# 2136
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:264 Resp: 7385

Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.5	30.7
265	31.0	22.8	34.2



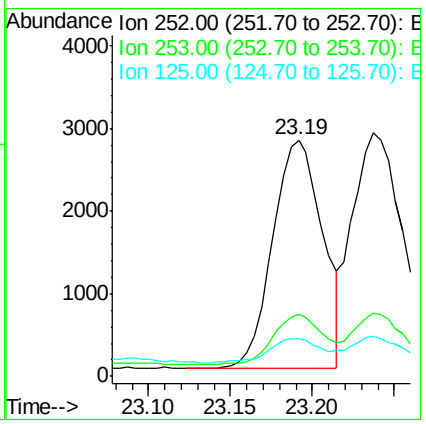


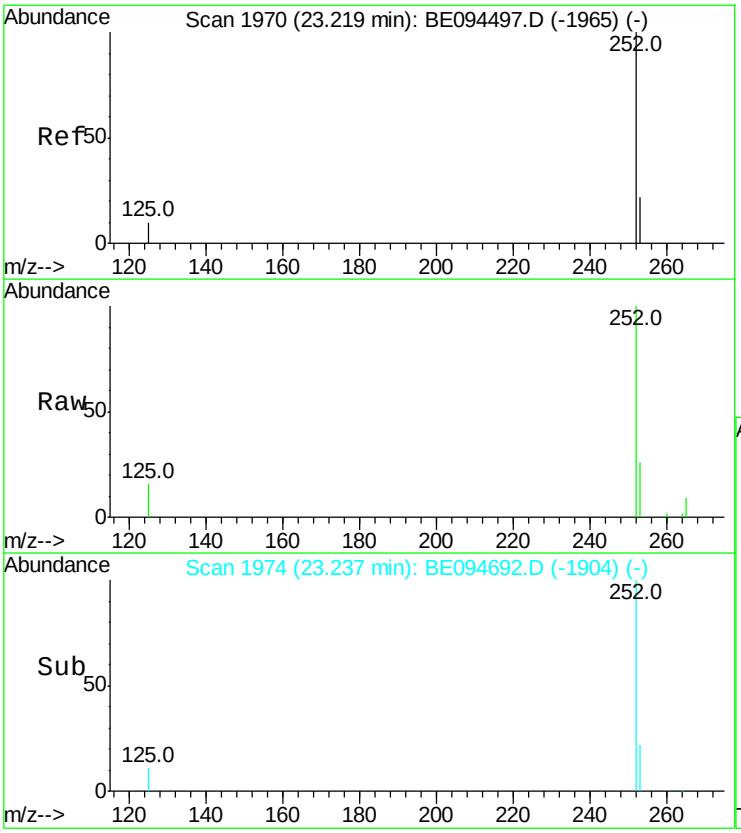
#35
Benzo(b)fluoranthene
Concen: 0.244 ng
RT: 23.19 min Scan# 1964
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:252 Resp: 5839

Ion	Ratio	Lower	Upper
252	100		
253	26.1	48.0	72.0#
125	16.2	56.0	84.0#

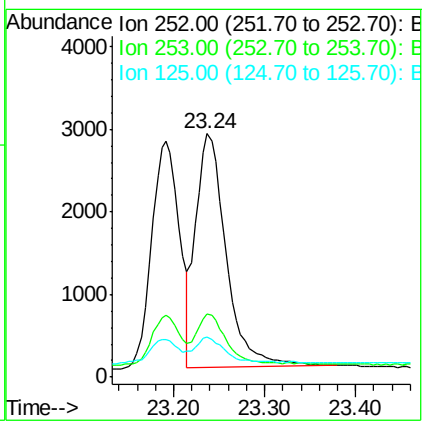


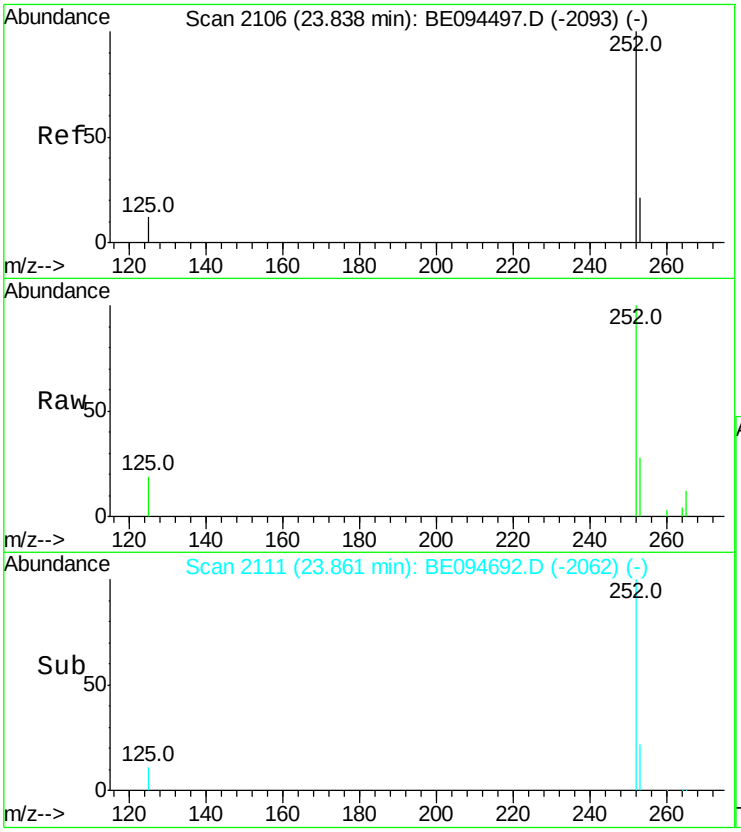


#36
Benzo(k)fluoranthene
Concen: 0.258 ng
RT: 23.24 min Scan# 1974
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:252 Resp: 6576

Ion	Ratio	Lower	Upper
252	100		
253	25.9	48.0	72.0#
125	16.2	56.0	84.0#



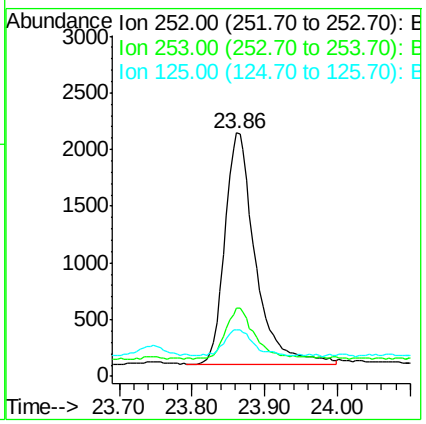


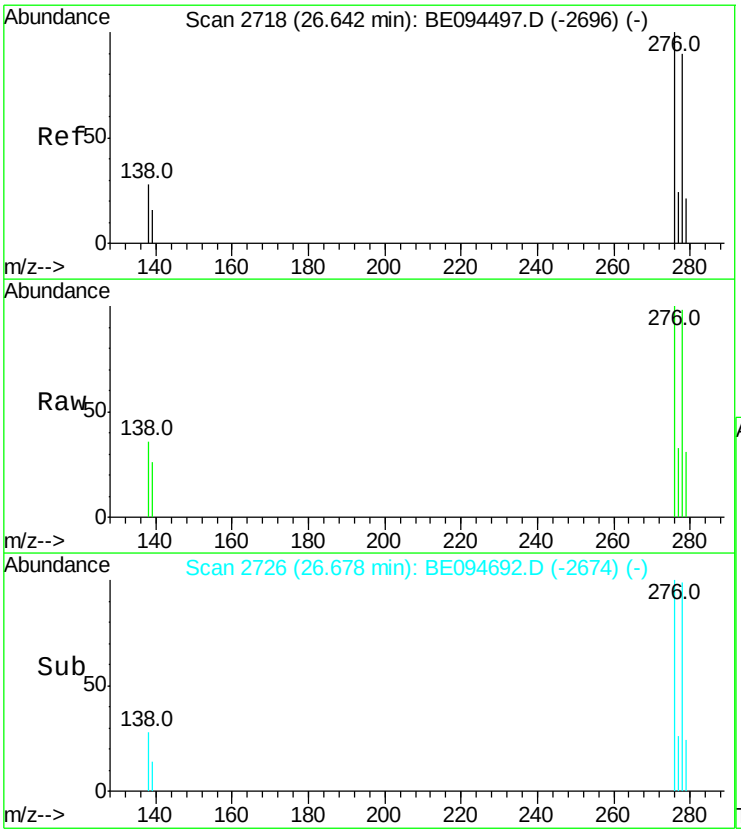
#37
Benzo(a)pyrene
Concen: 0.257 ng
RT: 23.86 min Scan# 2111
Delta R.T. 0.02 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:252 Resp: 5958

Ion	Ratio	Lower	Upper
252	100		
253	28.3	52.0	78.0#
125	19.3	68.0	102.0#

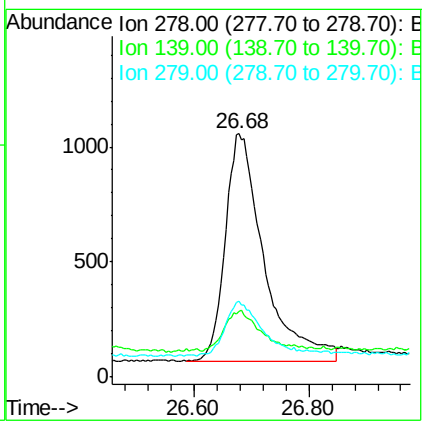


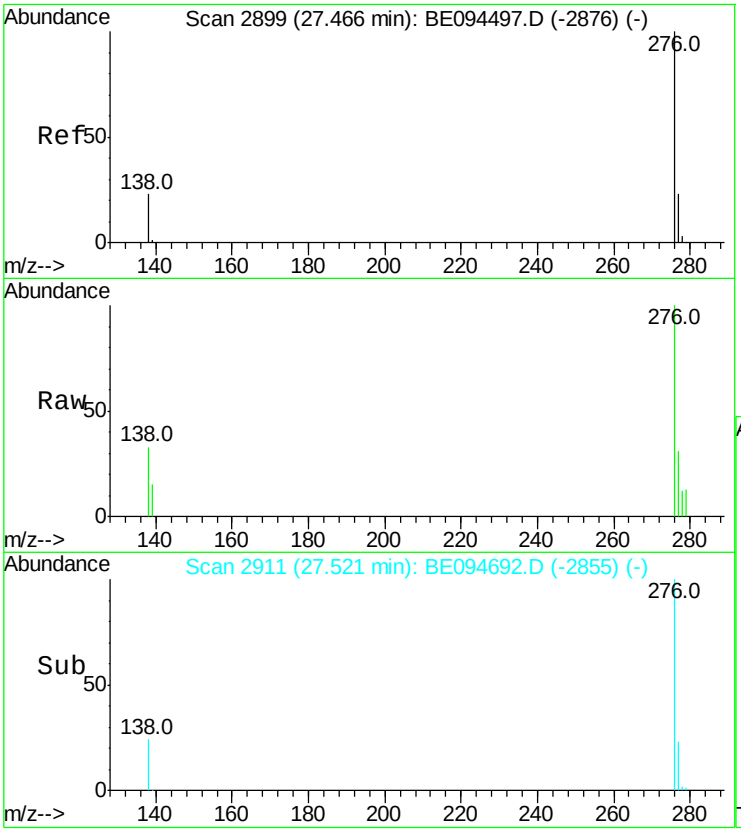


#38
Dibenzo(a,h)anthracene
Concen: 0.224 ng
RT: 26.68 min Scan# 2726
Delta R.T. 0.04 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Tgt Ion:278 Resp: 4665

Ion	Ratio	Lower	Upper
278	100		
139	26.7	56.0	84.0#
279	31.3	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 0.190 ng
RT: 27.52 min Scan# 2911
Delta R.T. 0.06 min
Lab File: BE094692.D
Acq: 1 Nov 2017 15:44

Instrument :
BNA_E
ClientSampleId :
PB103273BS

Tgt Ion:276 Resp: 3697

Ion	Ratio	Lower	Upper
276	100		
277	31.0	52.0	78.0#
138	33.3	44.0	66.0#