Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_E\DATA\BE101617\
Data File : BE094420.D
Acq On : 16 Oct 2017 16:53
Operator : SJ/JU
Sample : I5266-05
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PT-BN-WP

Quant Time: Oct 16 20:09:55 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	1425	0.40	ng		-0.01
7) Naphthalene-d8	10.69	136	7092	0.40	ng		-0.02
13) Acenaphthene-d10	14.53	164	3940	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	6841	0.40	ng		-0.03
27) Chrysene-d12	21.43	240	9050	0.40	ng		0.00
34) Perylene-d12	23.96	264	8825	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.51	112	759806	157.78	ng		0.00
5) Phenol-d6	7.11	99	1170808	155.89	ng		-0.01
8) Nitrobenzene-d5	9.06	82	770920	125.09	ng		-0.02
11) 2-Methylnaphthalene-d10	0.00	152	0d	0.00	ng		
14) 2,4,6-Tribromophenol	16.03	330	271276	180.73	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	1533840	109.06	ng		0.00
25) Fluoranthene-d10	0.00	212	0d	0.00	ng		
29) Terphenyl-d14	19.87	244	1794728	98.28	ng		0.00
Target Compounds							Qvalue
6) bis(2-Chloroethyl)ether	7.33	93	679723	122.371	ng		99
9) Naphthalene	10.76	128	9622039	121.329	ng		99
10) Hexachlorobutadiene	11.03	225	216836	68.404	ng		98
12) 2-Methylnaphthalene	12.36	142	1239632	94.816	ng		97
16) Acenaphthylene	14.24	152	1495294	69.984	ng		99
17) Acenaphthene	14.58	154	884975	65.782	ng		97
18) Fluorene	15.58	166	1702259	98.113	ng		98
23) Phenanthrene	17.30	178	305199	11.334	ng		96
26) Fluoranthene	19.32	202	1531914	45.847	ng		99
28) Pyrene	19.68	202	1504421	44.059	ng		98
31) Chrysene	21.47	228	1931427	64.103	ng	#	65
33) Indeno(1,2,3-cd)pyrene	26.70	276	2877585	94.824	ng		96
35) Benzo(b)fluoranthene	23.21	252	3757569	125.527	ng	#	39
36) Benzo(k)fluoranthene	23.25	252	1038693	35.218	ng	#	38
37) Benzo(a)pyrene	23.85	252	807943	28.717	ng	#	31
38) Dibenzo(a,h)anthracene	26.70	278	930160	34.926	ng	#	42
39) Benzo(g,h,i)perylene	27.55	276	3135411	122.401	ng	#	52

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

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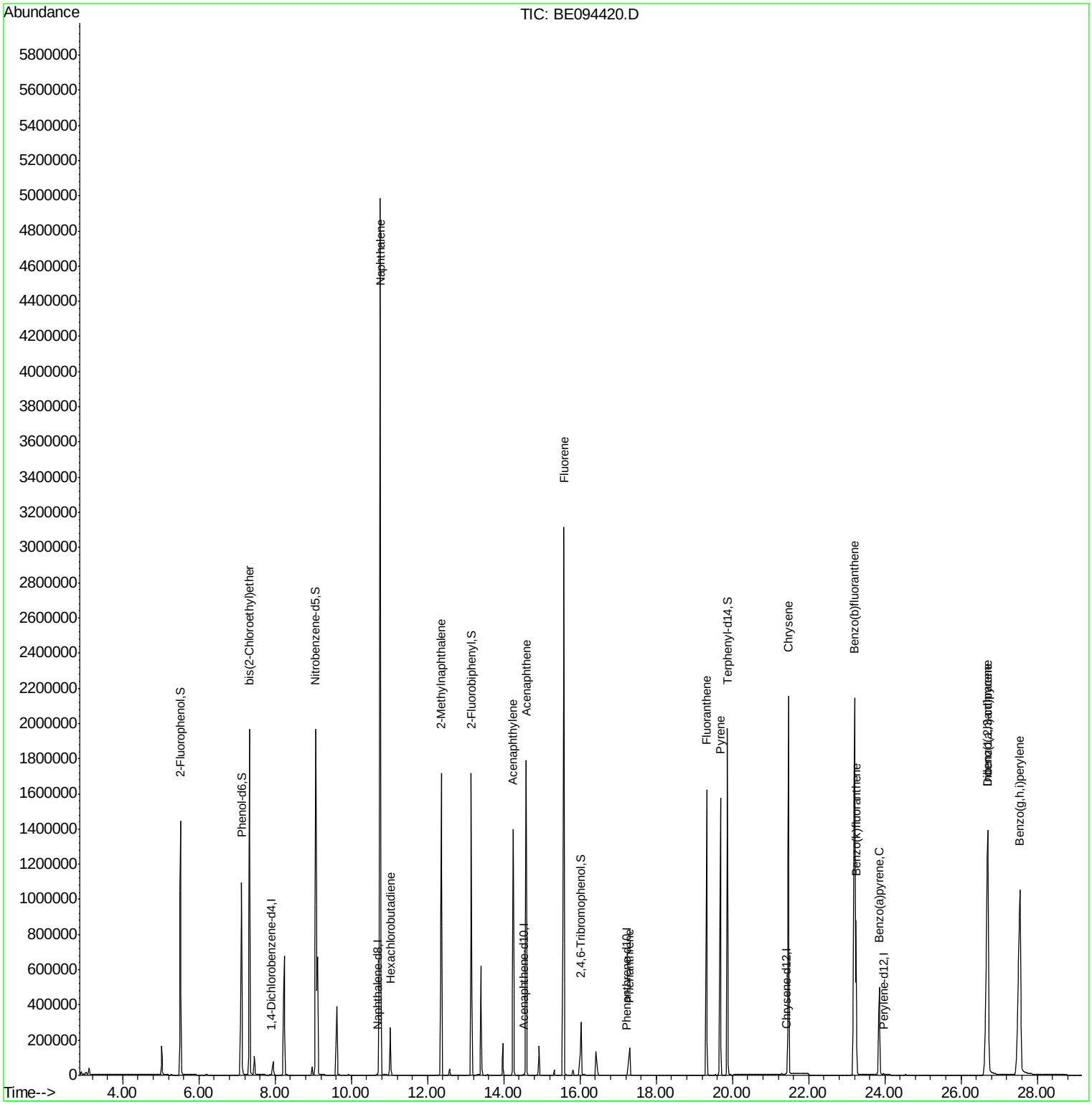
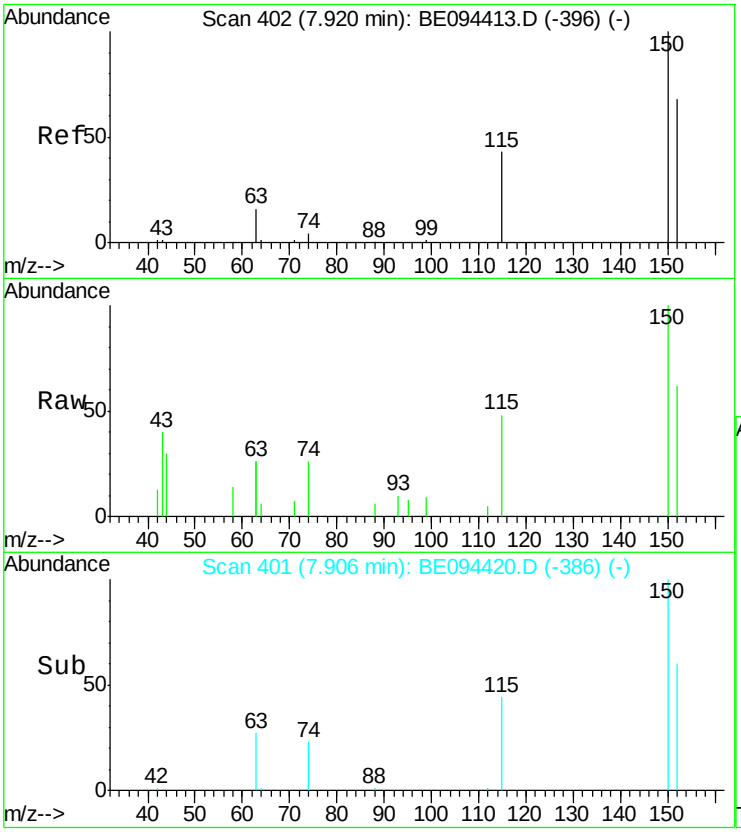


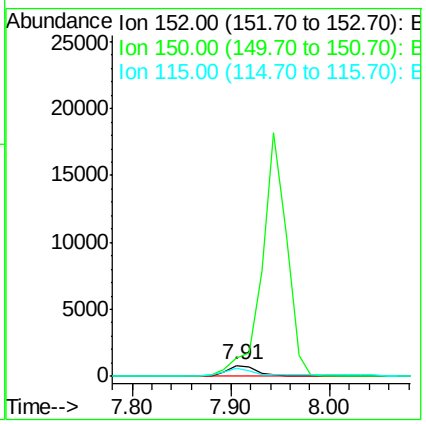


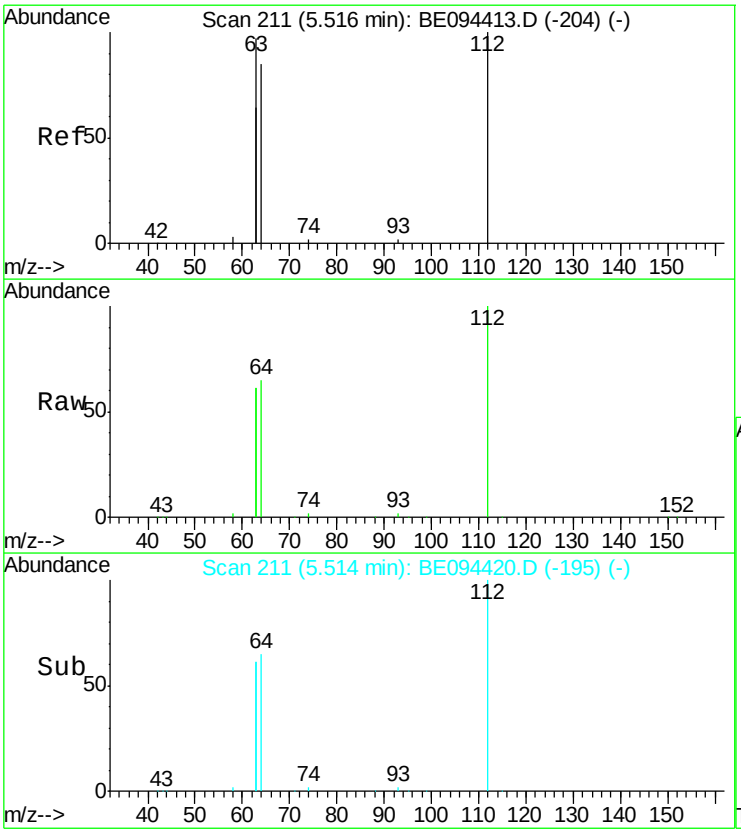
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. -0.01 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:152 Resp: 1425

Ion	Ratio	Lower	Upper
152	100		
150	160.9	117.2	175.8
115	77.4	57.0	85.6

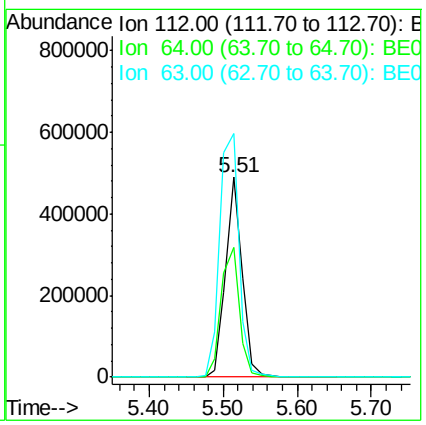


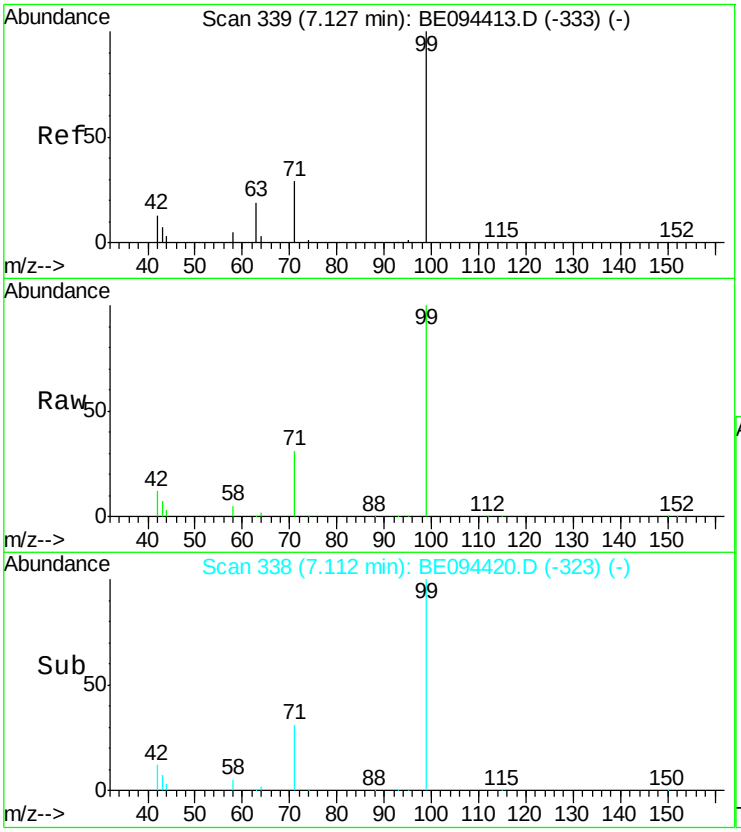


#4
2-Fluorophenol
Concen: 157.777 ng
RT: 5.51 min Scan# 211
Delta R.T. -0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:112 Resp: 759806

Ion	Ratio	Lower	Upper
112	100		
64	71.8	60.1	90.1
63	142.1	116.8	175.2



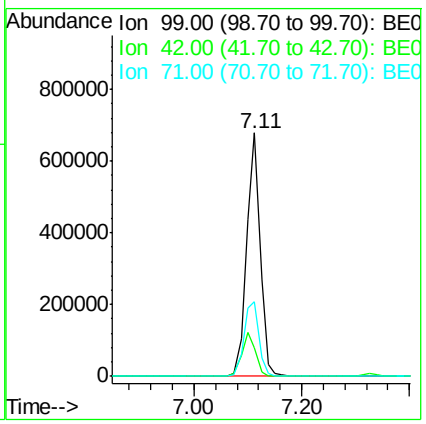


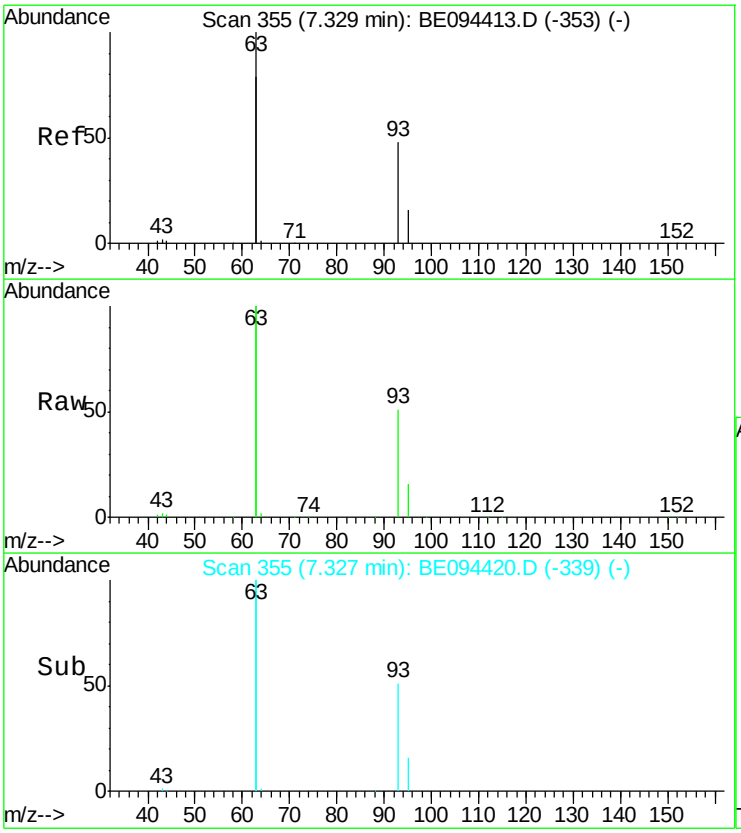
#5
Phenol-d6
Concen: 155.891 ng
RT: 7.11 min Scan# 338
Delta R.T. -0.01 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion: 99 Resp: 1170808

Ion	Ratio	Lower	Upper
99	100		
42	18.7	20.2	30.2#
71	34.3	28.4	42.6

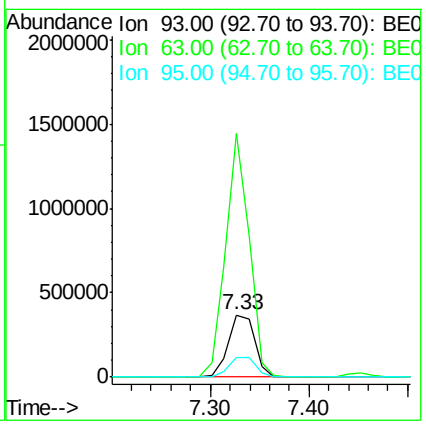


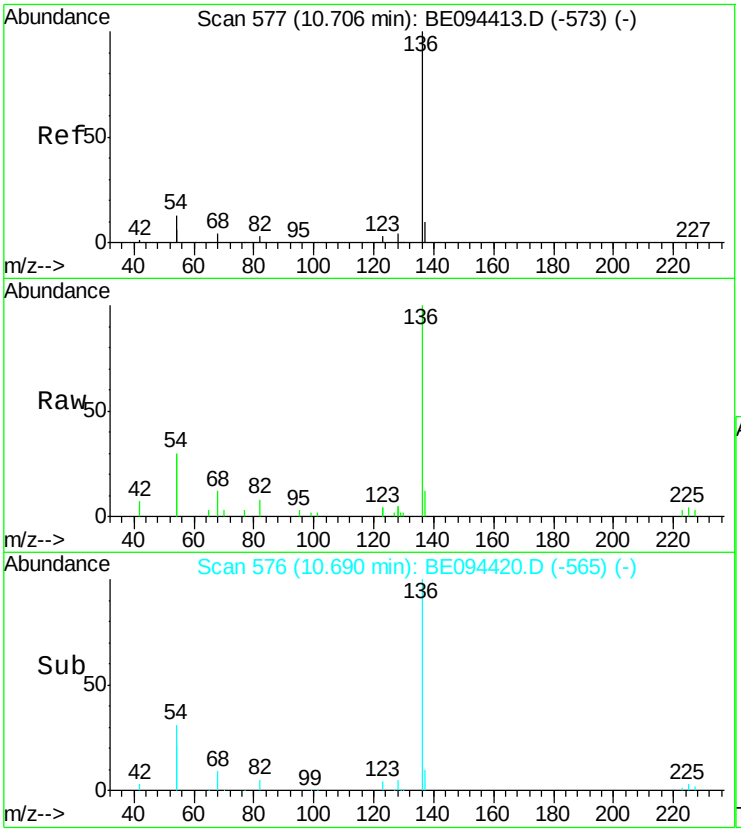


#6
bis(2-Chloroethyl)ether
Concen: 122.371 ng
RT: 7.33 min Scan# 355
Delta R.T. -0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion: 93 Resp: 679723

Ion	Ratio	Lower	Upper
93	100		
63	346.8	275.3	412.9
95	32.3	25.2	37.8



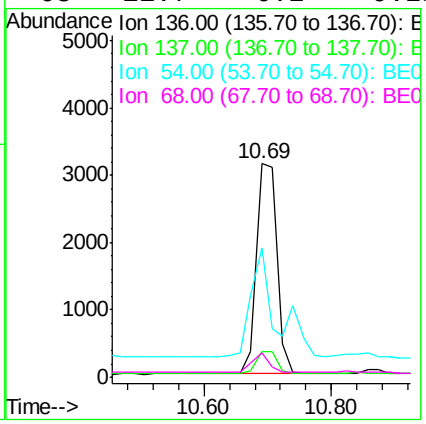


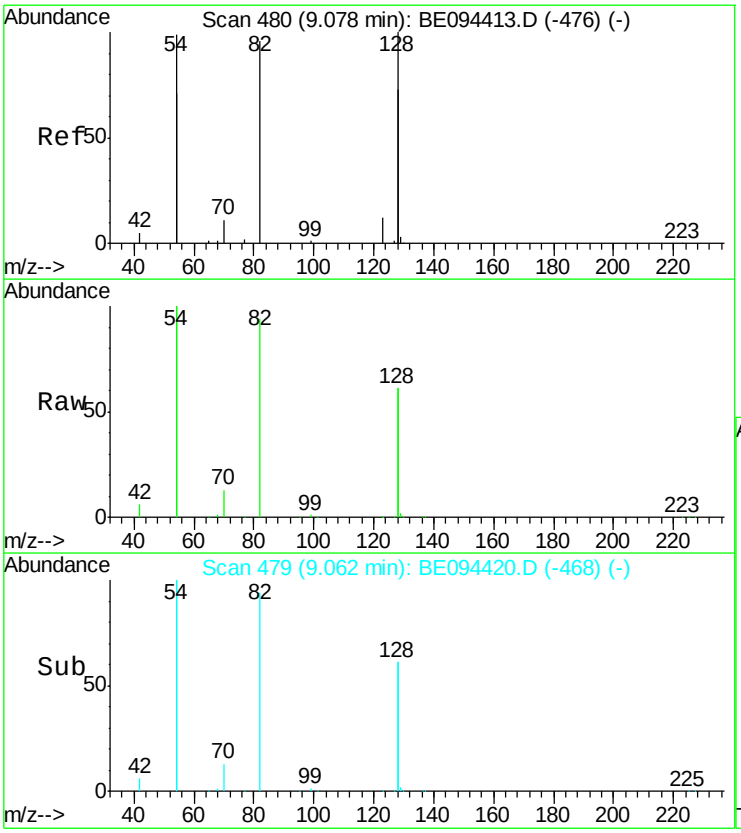
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.02 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:136 Resp: 7092

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.5	14.3
54	60.8	29.1	43.7#
68	11.7	6.2	9.2#

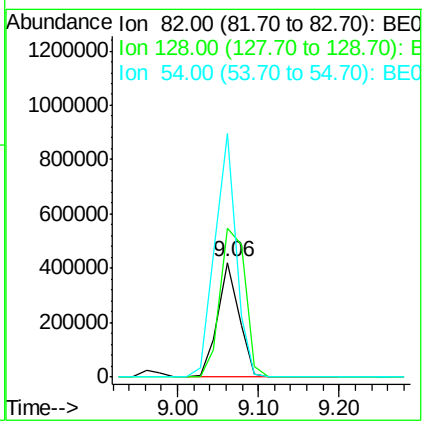


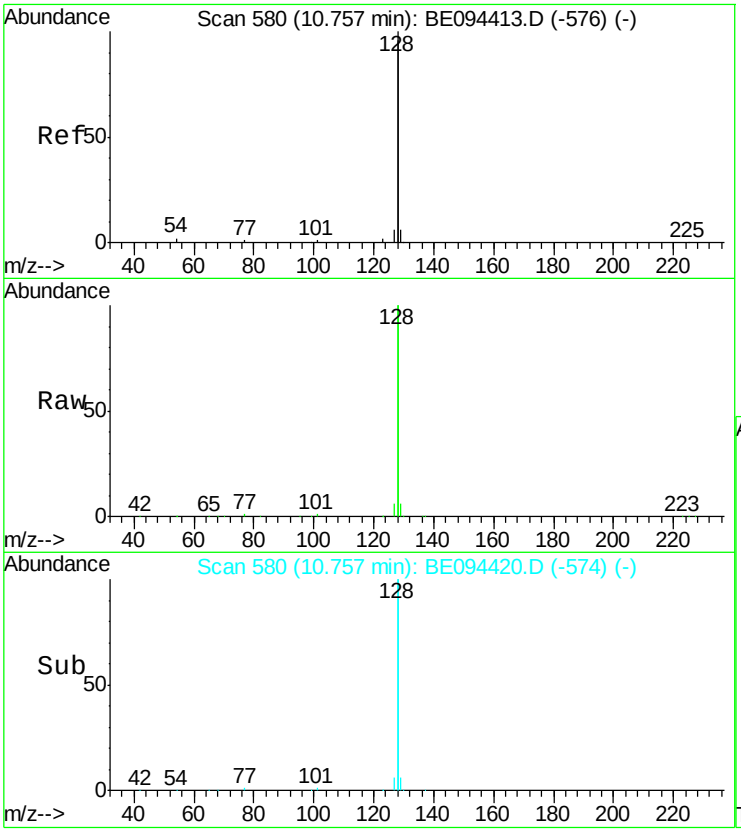


#8
Nitrobenzene-d5
Concen: 125.089 ng
RT: 9.06 min Scan# 479
Delta R.T. -0.02 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion: 82 Resp: 770920

Ion	Ratio	Lower	Upper
82	100		
128	129.8	150.0	225.0#
54	212.8	154.2	231.4



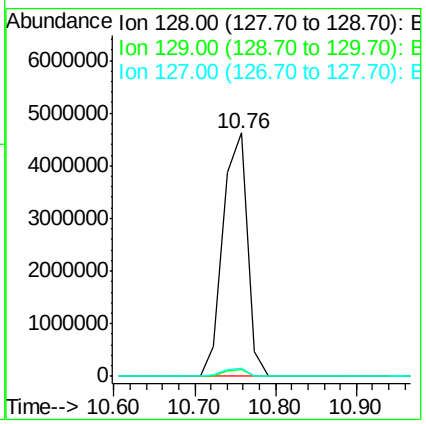


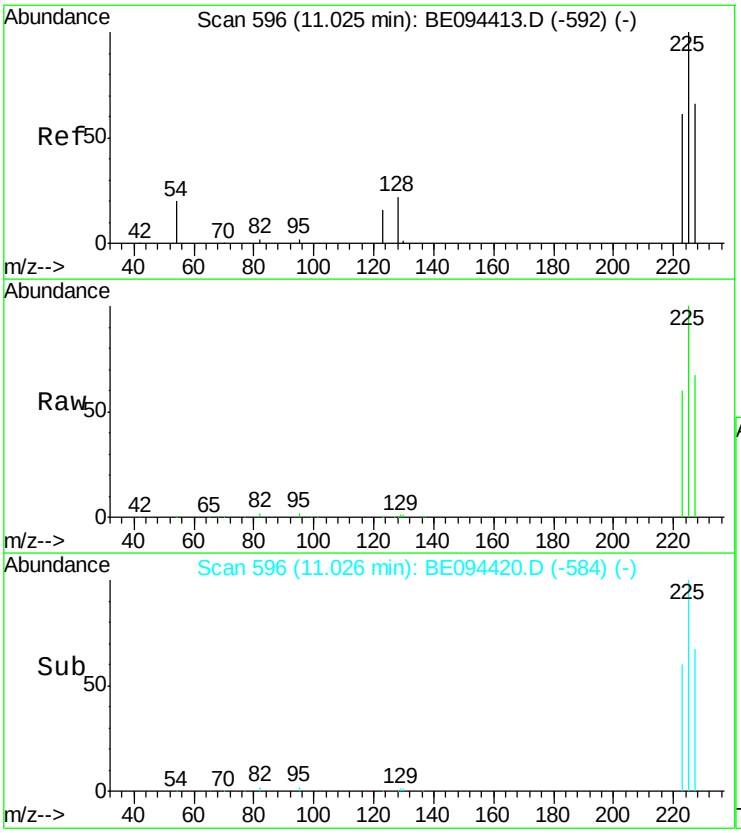
#9
Naphthalene
Concen: 121.329 ng
RT: 10.76 min Scan# 580
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:128 Resp: 9622039

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.2	2.8	4.2

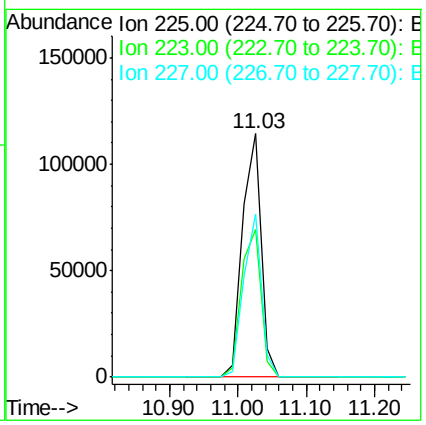


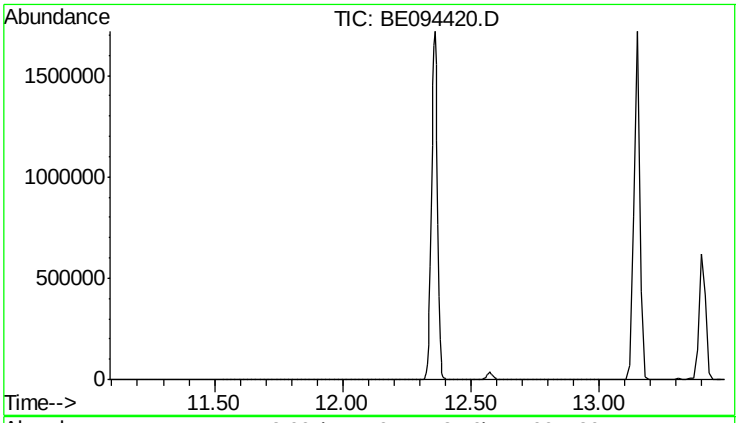


#10
Hexachlorobutadiene
Concen: 68.404 ng
RT: 11.03 min Scan# 596
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:225 Resp: 216836

Ion	Ratio	Lower	Upper
225	100		
223	63.2	53.0	79.6
227	64.2	51.4	77.2





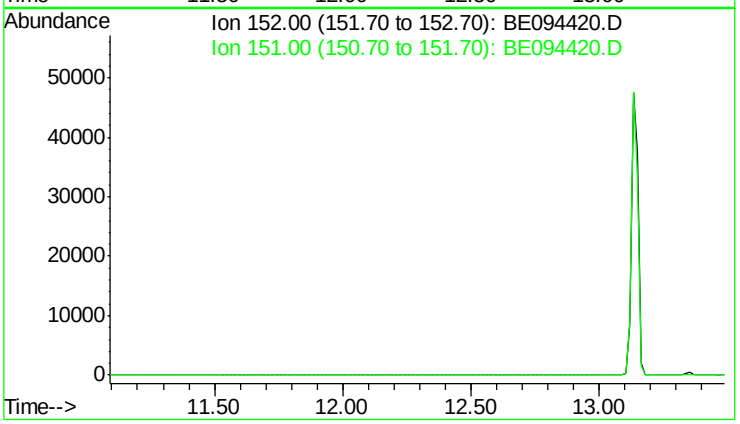
#11
2-Methylnaphthalene-d10
Concen: 0.000 ng
Expected RT: 12.29 min

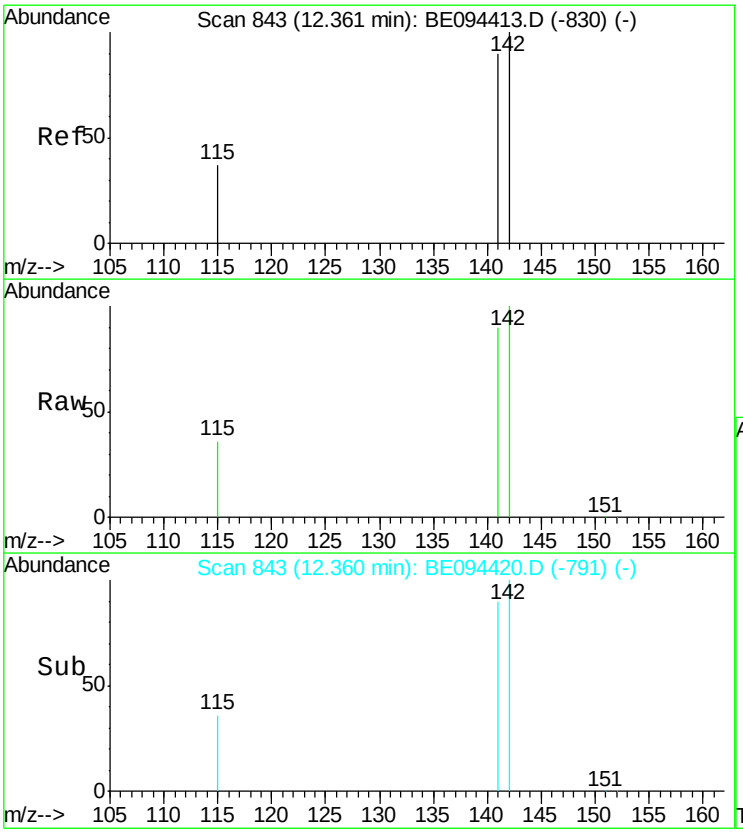
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion: 152

Sig	Exp Ratio
152	100
151	19.2

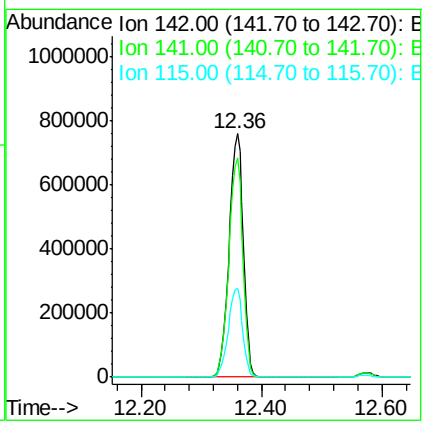


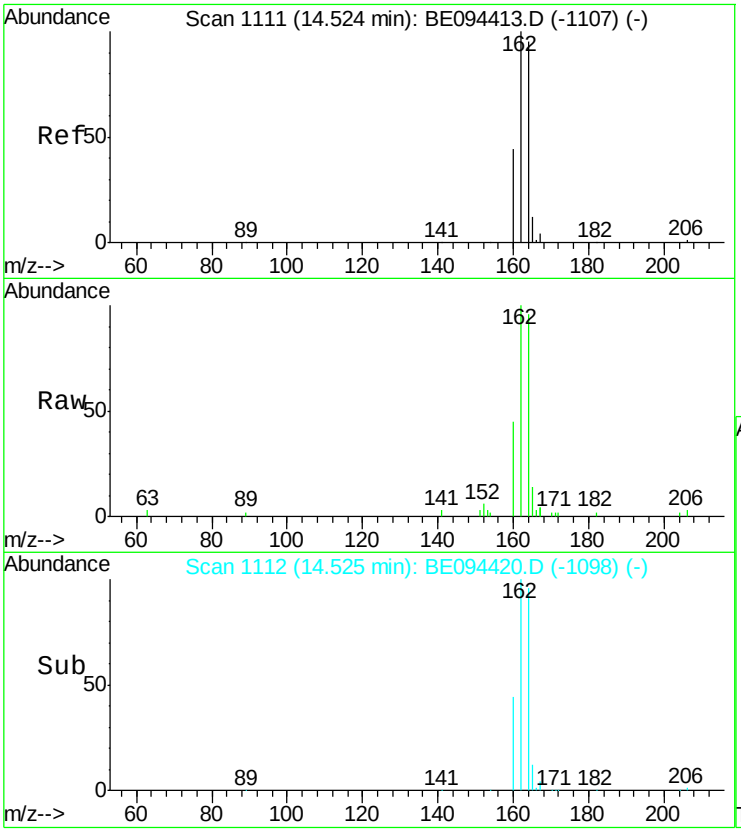


#12
2-Methylnaphthalene
Concen: 94.816 ng
RT: 12.36 min Scan# 843
Delta R.T. -0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:142 Resp: 1239632

Ion	Ratio	Lower	Upper
142	100		
141	89.9	70.4	105.6
115	36.4	31.7	47.5



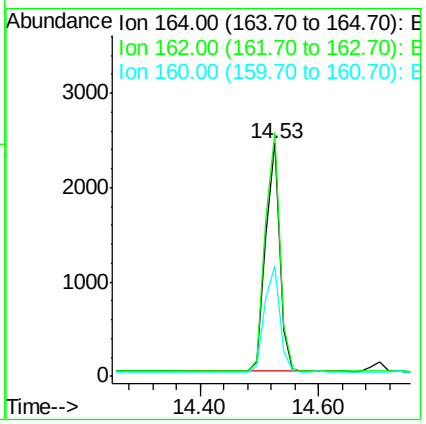


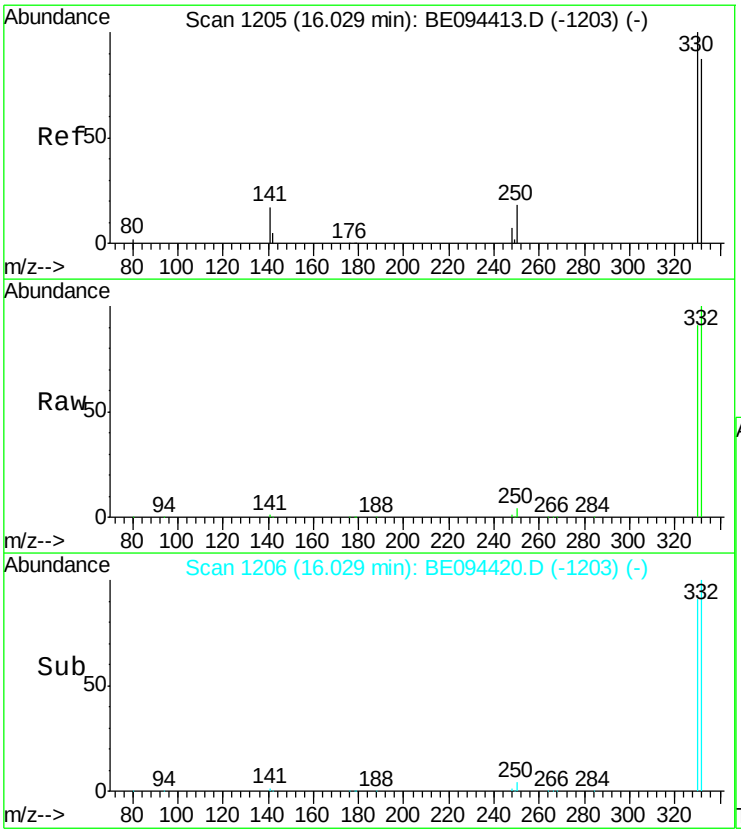
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:164 Resp: 3940

Ion	Ratio	Lower	Upper
164	100		
162	104.4	83.1	124.7
160	47.5	37.1	55.7

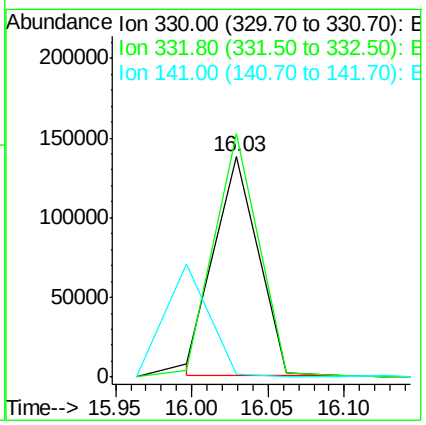


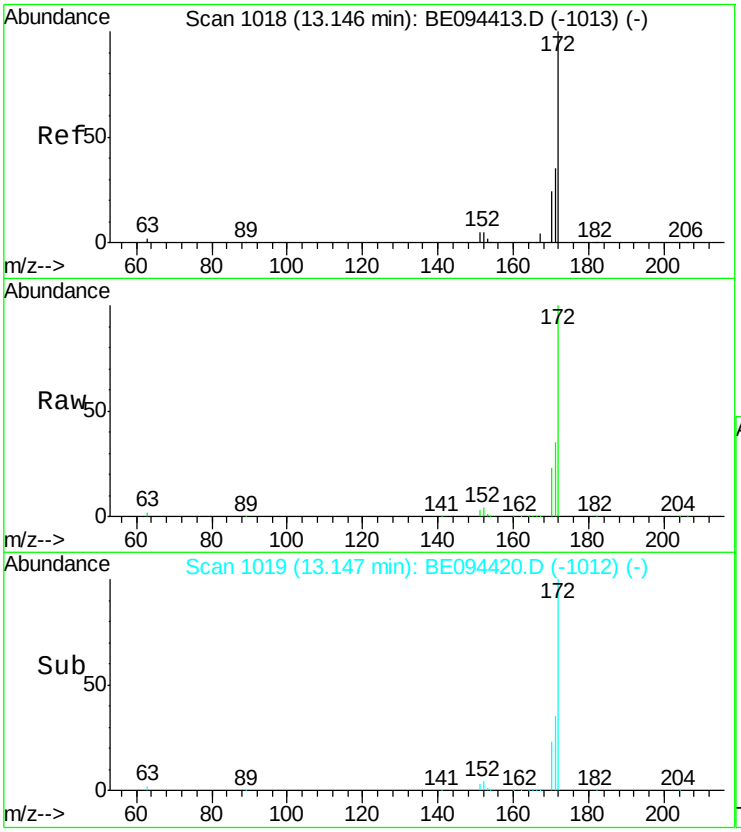


#14
2,4,6-Tribromophenol
Concen: 180.726 ng
RT: 16.03 min Scan# 1206
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:330 Resp: 271276

Ion	Ratio	Lower	Upper
330	100		
332	110.5	152.7	229.1#
141	0.0	33.7	50.5#



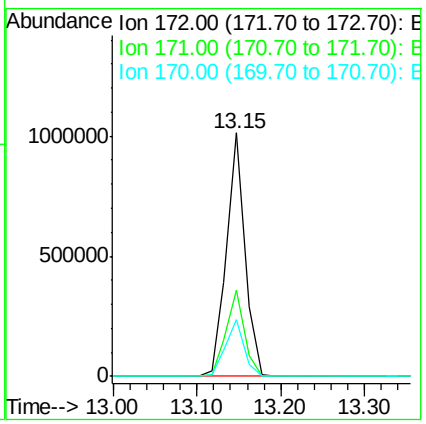


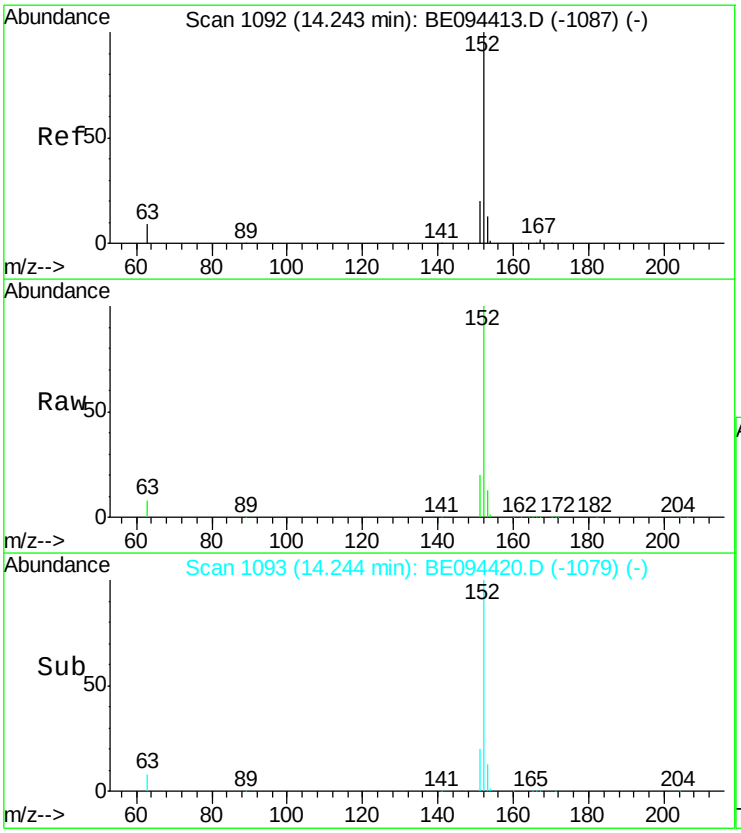
#15
2-Fluorobiphenyl
Concen: 109.065 ng
RT: 13.15 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:172 Resp: 1533840

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.9	44.9
170	23.2	21.8	32.8

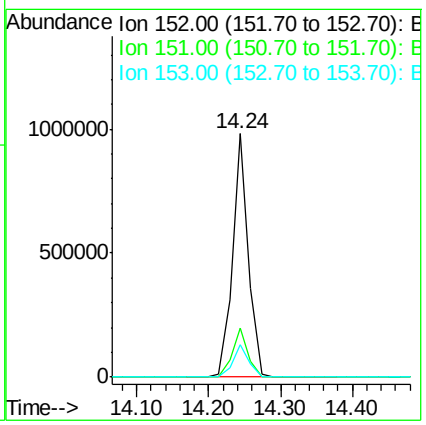


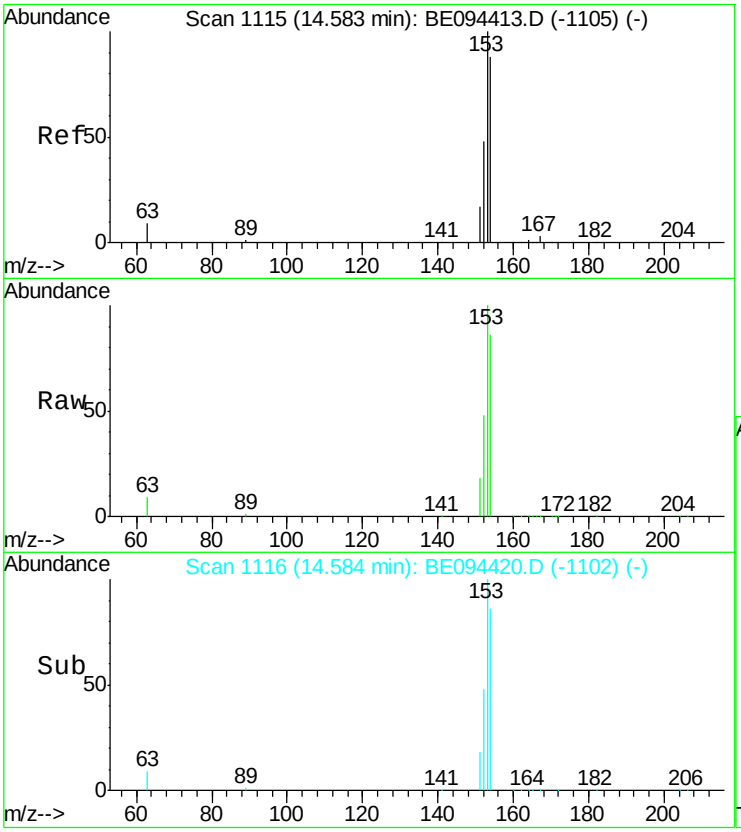


#16
Acenaphthylene
Concen: 69.984 ng
RT: 14.24 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:152 Resp: 1495294

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.7	23.5
153	13.4	10.5	15.7



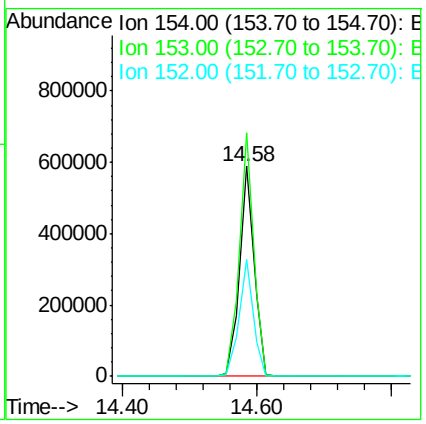


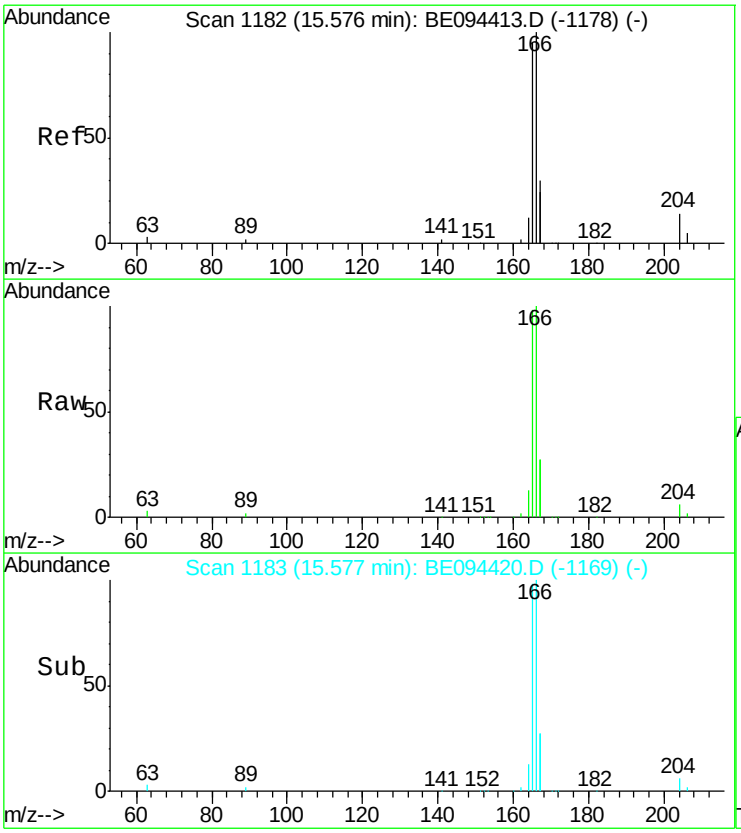
#17
Acenaphthene
Concen: 65.782 ng
RT: 14.58 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:154 Resp: 884975

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.2	133.8
152	54.4	42.0	63.0

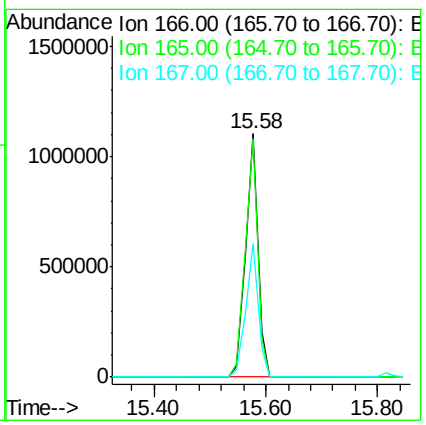


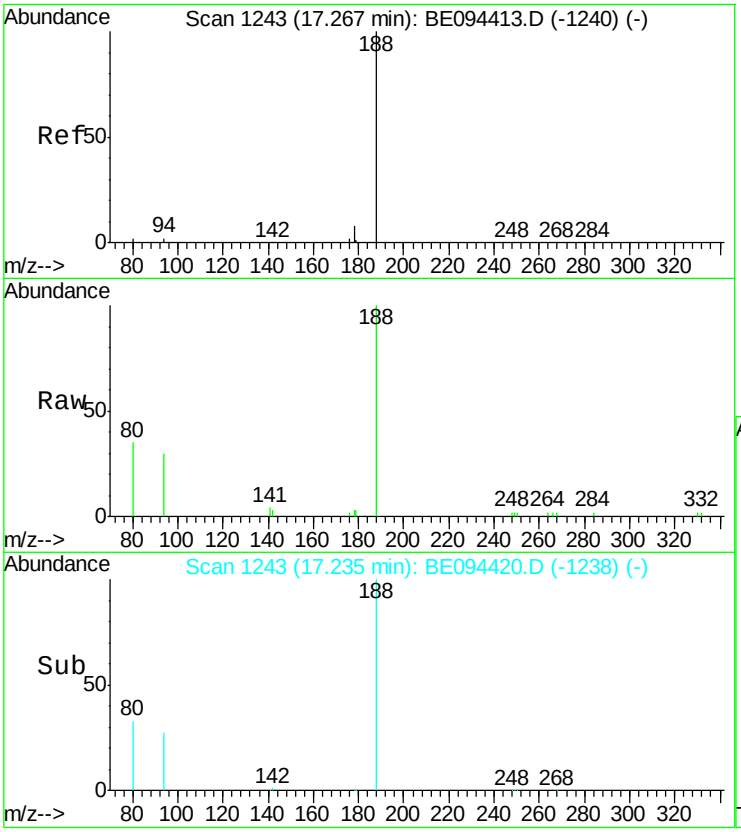


#18
Fluorene
Concen: 98.113 ng
RT: 15.58 min Scan# 1183
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:166 Resp: 1702259

Ion	Ratio	Lower	Upper
166	100		
165	99.0	77.8	116.6
167	55.0	42.4	63.6



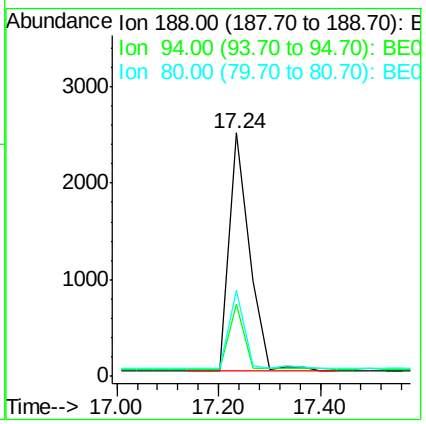


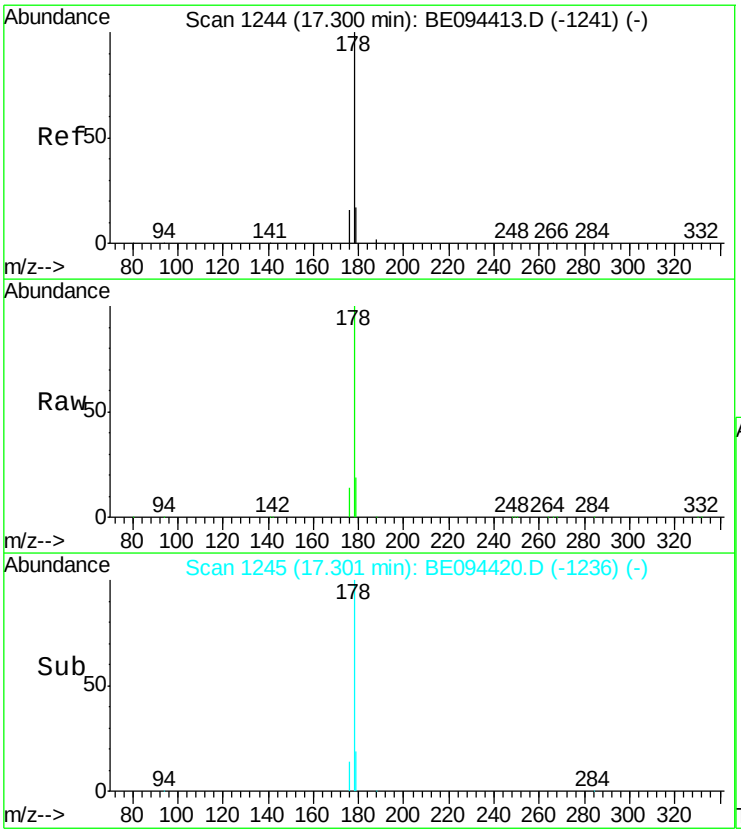
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. -0.03 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:188 Resp: 6841

Ion	Ratio	Lower	Upper
188	100		
94	29.7	3.9	5.9#
80	35.3	3.6	5.4#

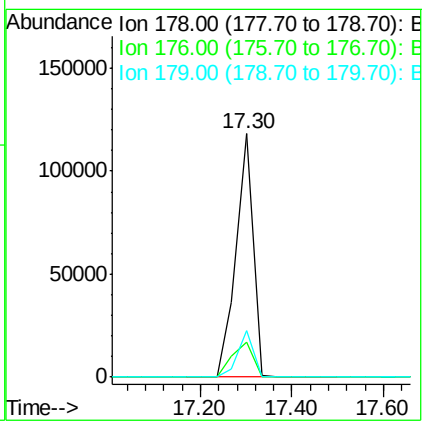


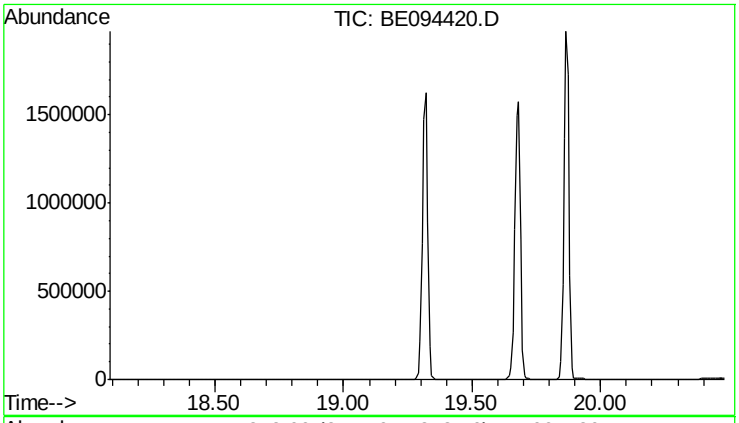


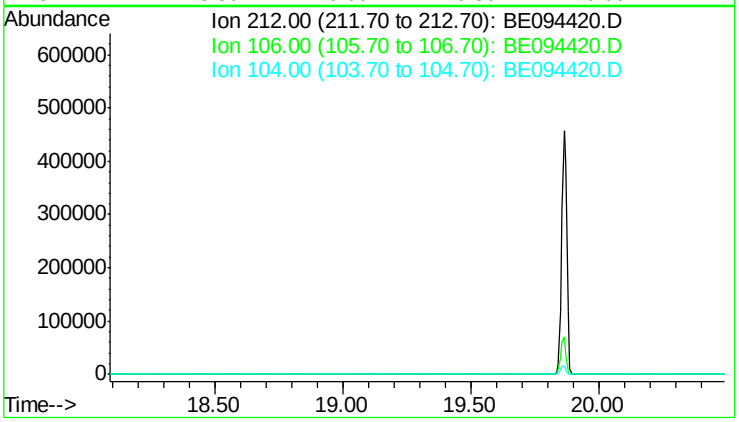
#23
Phenanthrene
Concen: 11.334 ng
RT: 17.30 min Scan# 1245
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:178 Resp: 305199

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.1	22.7
179	17.2	11.8	17.6







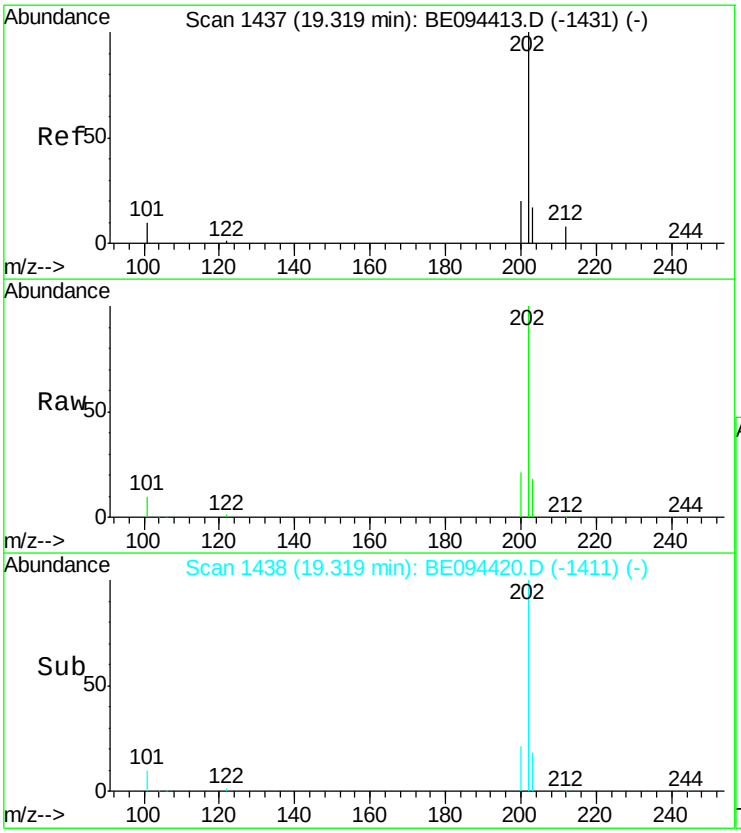
#25
Fluoranthene-d10
Concen: 0.000 ng
Expected RT: 19.29 min

Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion: 212

Sig	Exp Ratio
212	100
106	3.5
104	2.0

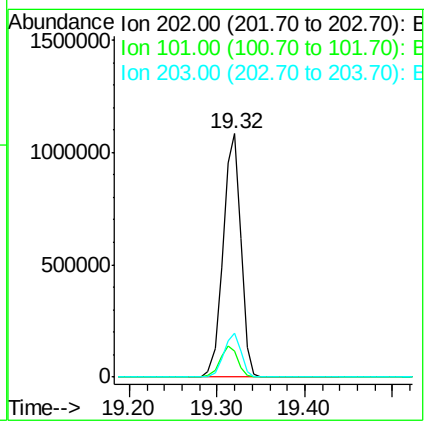
Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

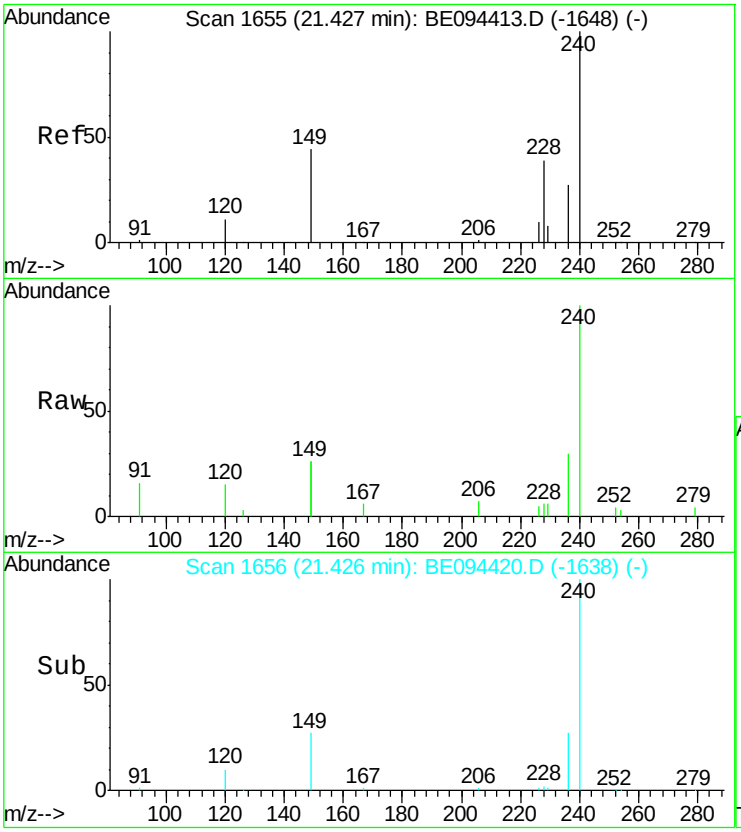


#26
Fluoranthene
Concen: 45.847 ng
RT: 19.32 min Scan# 1438
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:202 Resp: 1531914

Ion	Ratio	Lower	Upper
202	100		
101	12.5	9.8	14.8
203	17.8	13.7	20.5



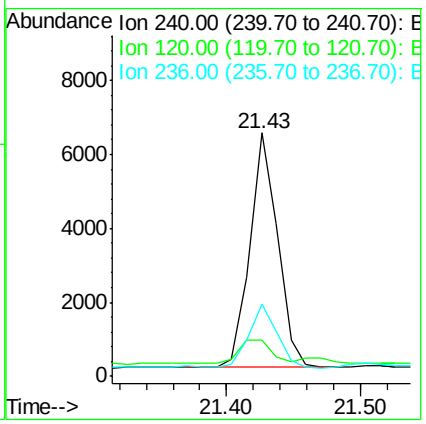


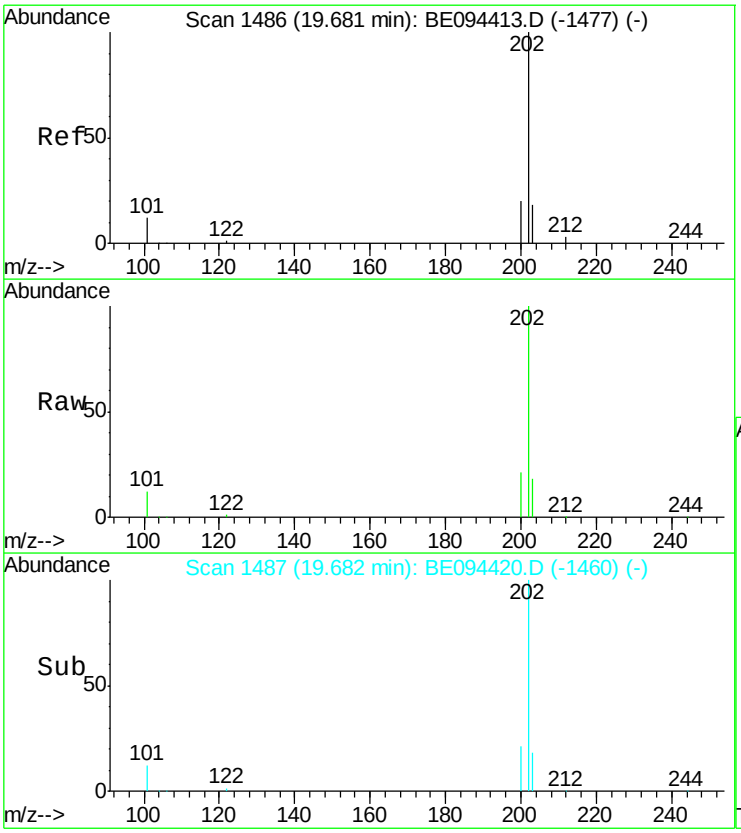
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:240 Resp: 9050

Ion	Ratio	Lower	Upper
240	100		
120	14.8	5.5	8.3#
236	29.6	20.7	31.1

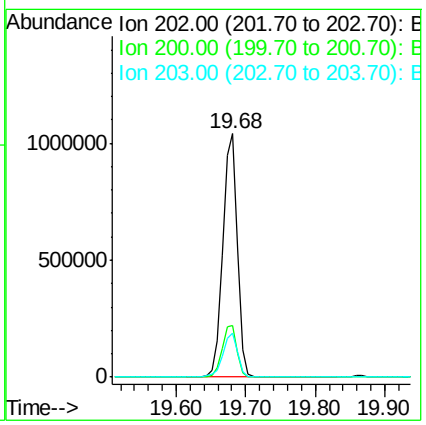


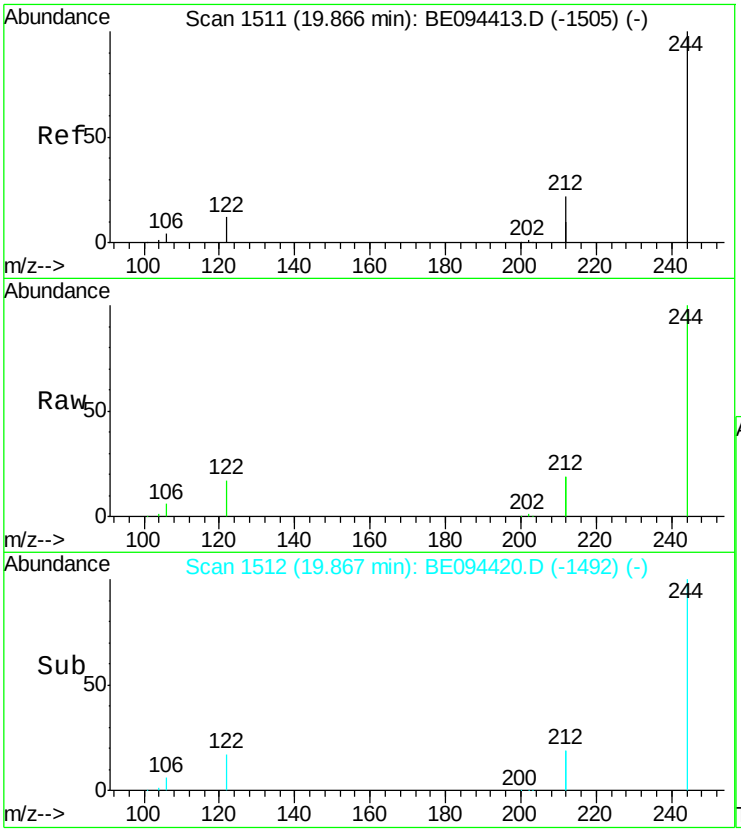


#28
Pyrene
Concen: 44.059 ng
RT: 19.68 min Scan# 1487
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:202 Resp: 1504421

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.6	25.0
203	18.5	13.8	20.8



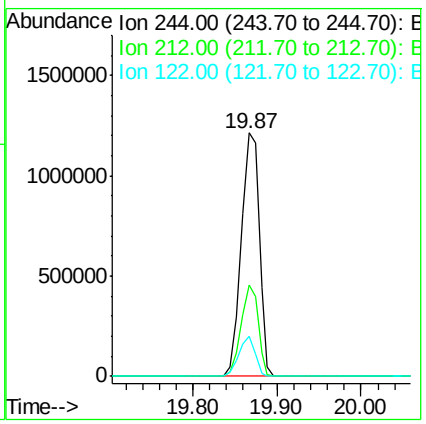


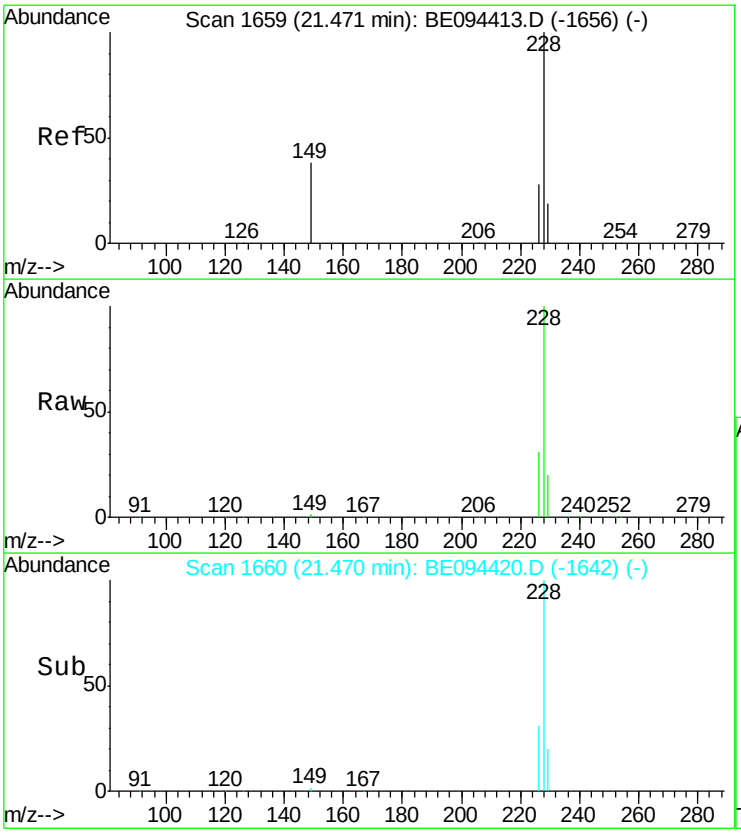
#29
Terphenyl-d14
Concen: 98.281 ng
RT: 19.87 min Scan# 1512
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:244 Resp: 1794728

Ion	Ratio	Lower	Upper
244	100		
212	37.6	25.4	38.0
122	16.7	8.1	12.1#

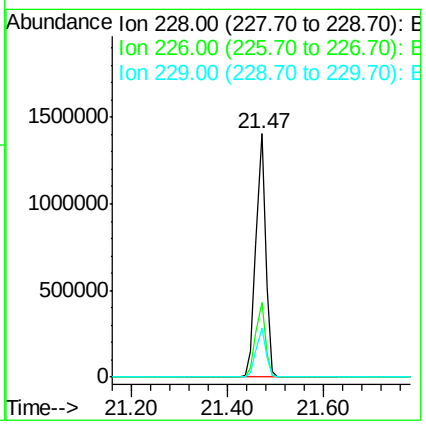


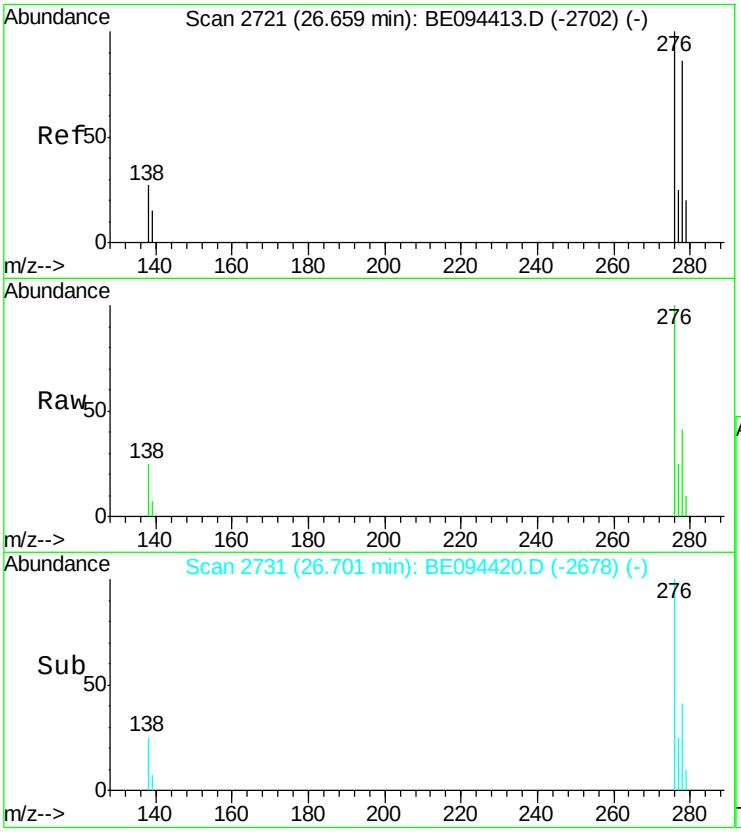


#31
Chrysene
Concen: 64.103 ng
RT: 21.47 min Scan# 1660
Delta R.T. -0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:228 Resp: 1931427

Ion	Ratio	Lower	Upper
228	100		
226	30.8	40.0	60.0#
229	20.4	40.0	60.0#



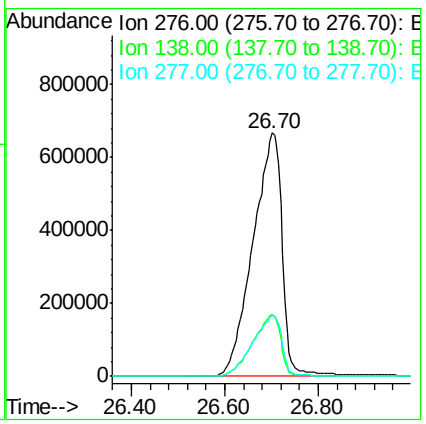


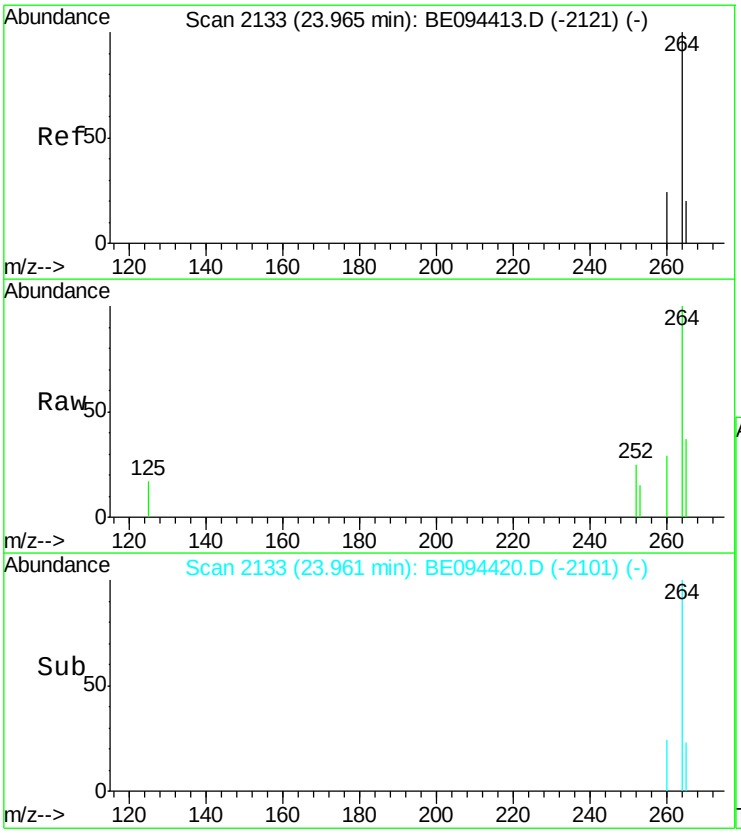
#33
Indeno(1,2,3-cd)pyrene
Concen: 94.824 ng
RT: 26.70 min Scan# 2731
Delta R.T. 0.04 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:276 Resp: 2877585

Ion	Ratio	Lower	Upper
276	100		
138	24.5	22.5	33.7
277	25.0	19.9	29.9

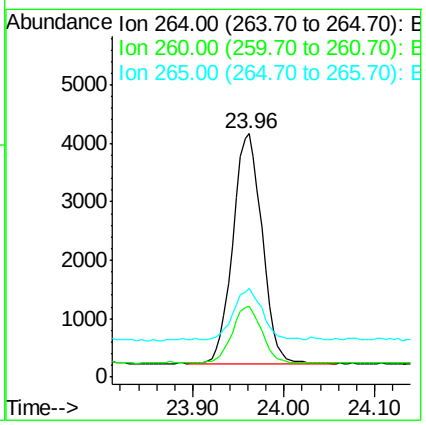


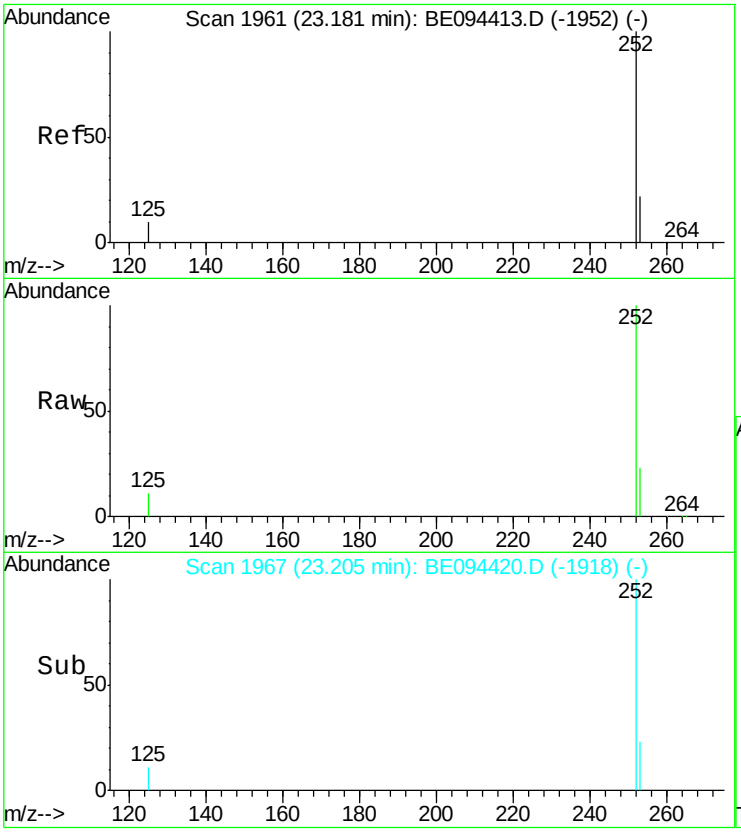


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2133
Delta R.T. -0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:264 Resp: 8825

Ion	Ratio	Lower	Upper
264	100		
260	28.9	20.5	30.7
265	36.5	22.8	34.2#



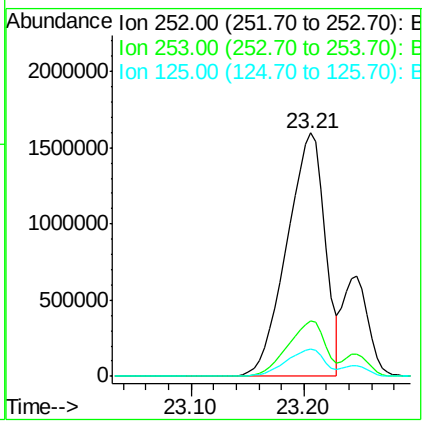


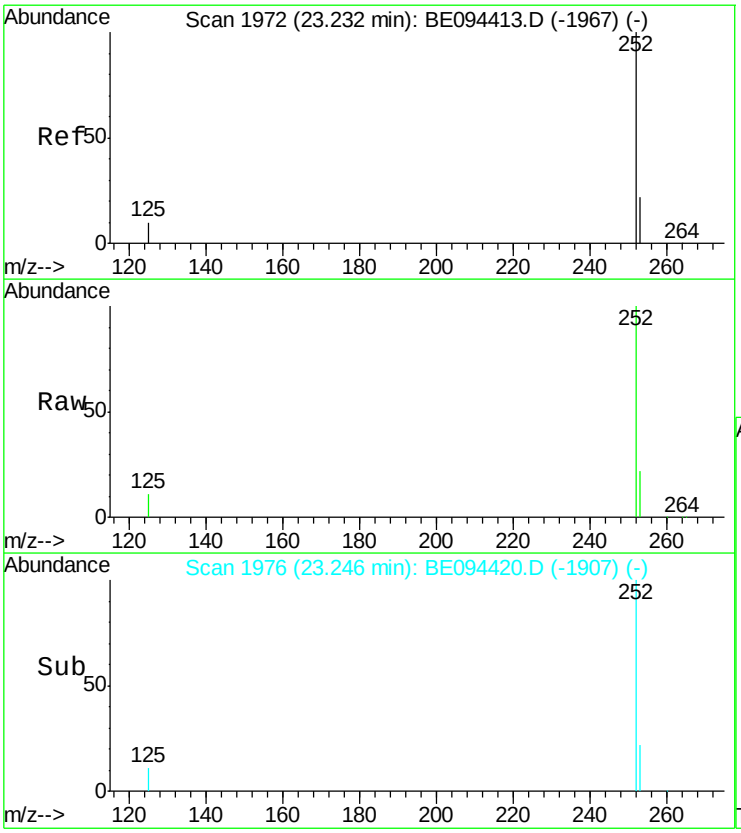
#35
Benzo(b)fluoranthene
Concen: 125.527 ng
RT: 23.21 min Scan# 1967
Delta R.T. 0.02 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:252 Resp: 3757569

Ion	Ratio	Lower	Upper
252	100		
253	22.9	48.0	72.0#
125	11.2	56.0	84.0#

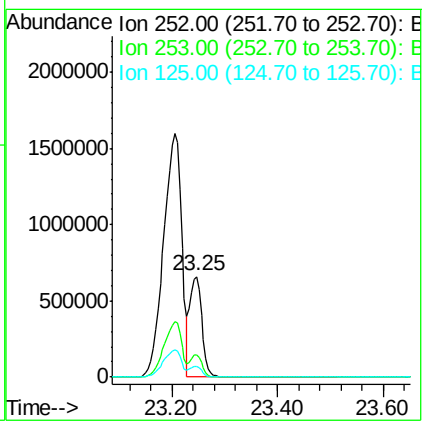


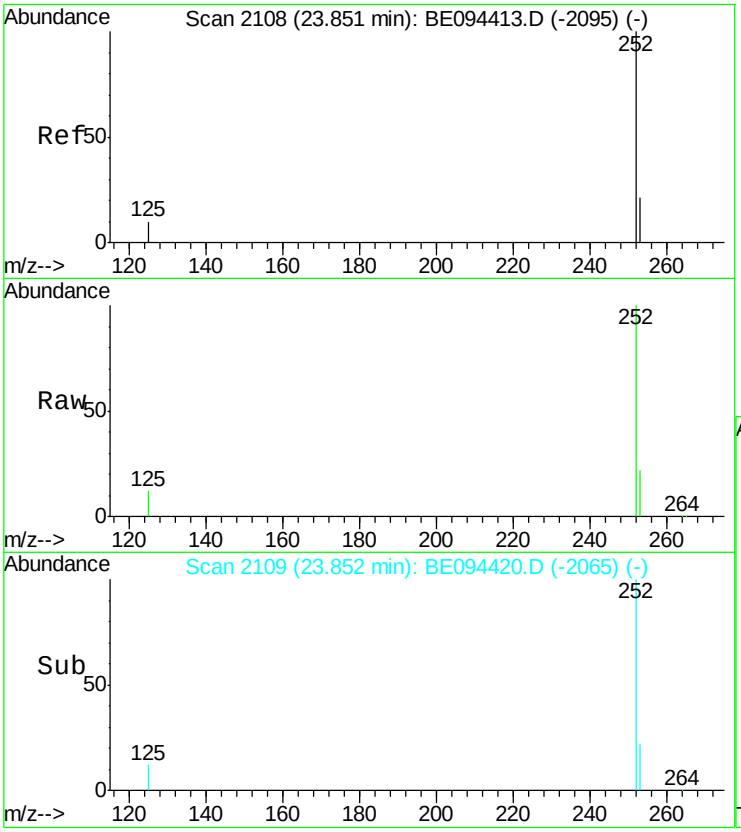


#36
Benzo(k)fluoranthene
Concen: 35.218 ng
RT: 23.25 min Scan# 1976
Delta R.T. 0.01 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:252 Resp: 1038693

Ion	Ratio	Lower	Upper
252	100		
253	22.4	48.0	72.0#
125	11.1	56.0	84.0#



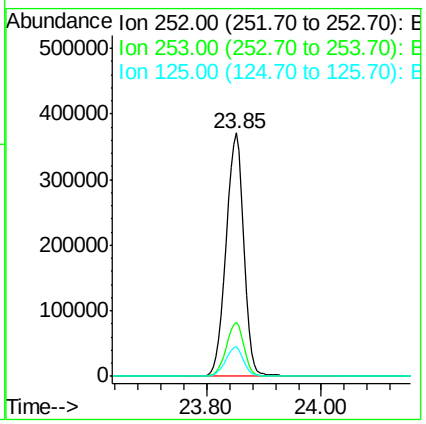


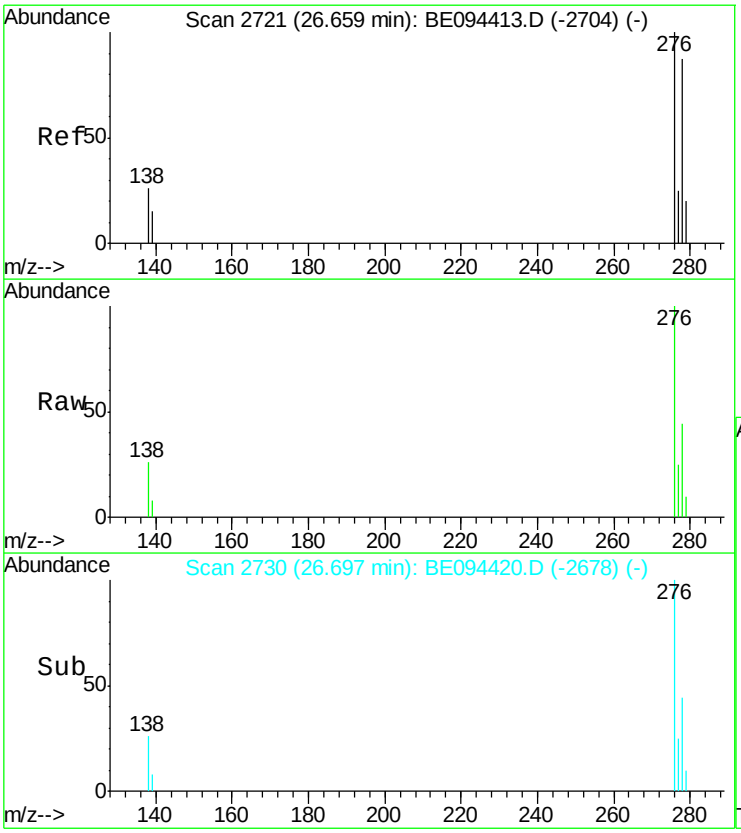
#37
Benzo(a)pyrene
Concen: 28.717 ng
RT: 23.85 min Scan# 2109
Delta R.T. 0.00 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:252 Resp: 807943

Ion	Ratio	Lower	Upper
252	100		
253	22.2	52.0	78.0#
125	12.2	68.0	102.0#

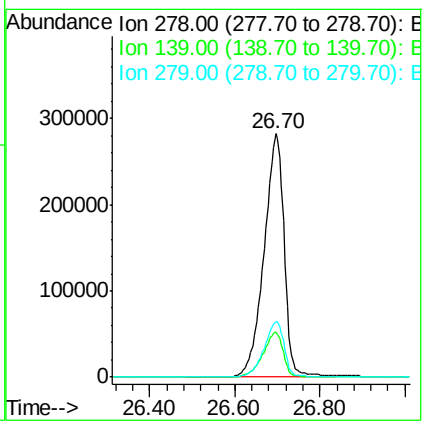


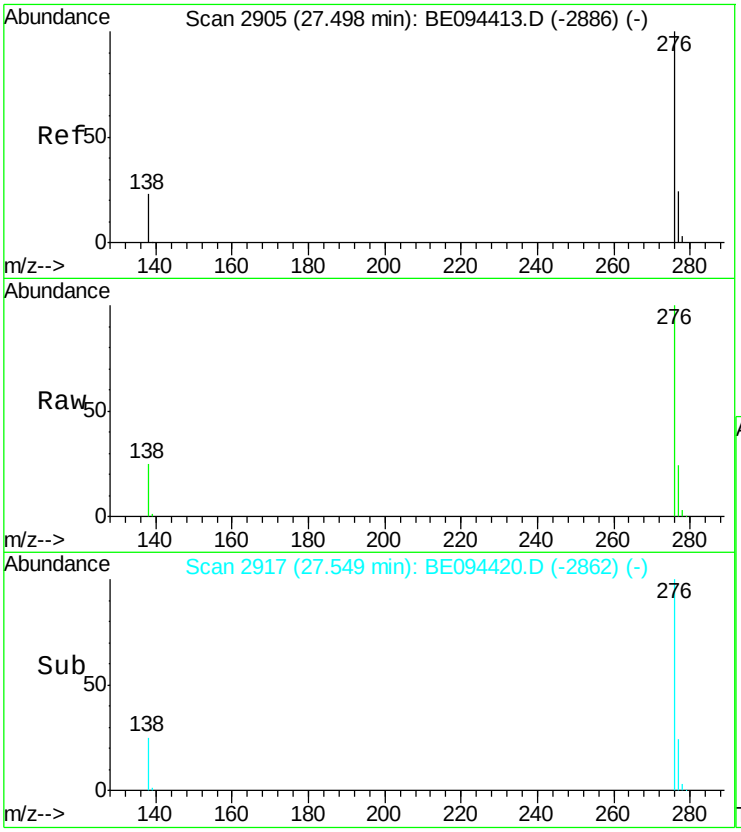


#38
Dibenzo(a,h)anthracene
Concen: 34.926 ng
RT: 26.70 min Scan# 2730
Delta R.T. 0.04 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Tgt Ion:278 Resp: 930160

Ion	Ratio	Lower	Upper
278	100		
139	18.4	56.0	84.0#
279	22.9	52.0	78.0#





#39
Benzo(g,h,i)perylene
Concen: 122.401 ng
RT: 27.55 min Scan# 2917
Delta R.T. 0.05 min
Lab File: BE094420.D
Acq: 16 Oct 2017 16:53

Instrument :
BNA_E
ClientSampleId :
PT-BN-WP

Tgt Ion:276 Resp: 3135411

Ion	Ratio	Lower	Upper
276	100		
277	23.7	52.0	78.0#
138	24.8	44.0	66.0#