Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
Data File : BE094188.D
Acq On : 6 Oct 2017 20:38
Operator : SJ/JU
Sample : I5571-03MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PAMT-COMP-CMSD

Quant Time: Oct 07 01:14:13 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 06 15:16:13 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.91	152	1667	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	8322	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	4945	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	12612	0.40	ng		0.00
27) Chrysene-d12	21.39	240	11805	0.40	ng		-0.01
34) Perylene-d12	23.90	264	10730	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	21516	3.87	ng		0.00
5) Phenol-d6	7.08	99	24319	3.02	ng		-0.01
8) Nitrobenzene-d5	9.04	82	55146	7.96	ng		-0.02
11) 2-Methylnaphthalene-d10	12.23	152	86	0.01	ng		-0.05
14) 2,4,6-Tribromophenol	16.00	330	15929	7.41	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	105644	6.24	ng		0.00
25) Fluoranthene-d10	19.26	212	41	0.00	ng		0.00
29) Terphenyl-d14	19.84	244	97894	4.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.43	88	4599	1.523	ng	#	83
3) n-Nitrosodimethylamine	3.73	42	6036	1.863	ng	#	92
6) bis(2-Chloroethyl)ether	7.32	93	18954	2.899	ng		89
9) Naphthalene	10.74	128	228585	2.439	ng		99
10) Hexachlorobutadiene	11.01	225	6640	1.867	ng		97
12) 2-Methylnaphthalene	12.34	142	39194	2.546	ng		98
16) Acenaphthylene	14.23	152	63600	2.540	ng		100
17) Acenaphthene	14.57	154	38477	2.326	ng		98
18) Fluorene	15.55	166	51166	2.362	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	19891	2.737	ng	#	74
21) Hexachlorobenzene	16.55	284	14915	2.285	ng	#	70
22) Pentachlorophenol	16.91	266	6815	3.852	ng	#	70
23) Phenanthrene	17.27	178	112500	2.574	ng		99
24) Anthracene	17.36	178	71668	2.150	ng		97
26) Fluoranthene	19.29	202	90707	2.367	ng		100
28) Pyrene	19.65	202	93916	2.313	ng		99
30) Benzo(a)anthracene	21.38	228	86089	2.219	ng		99
31) Chrysene	21.44	228	85512	2.234	ng		98
32) Bis(2-ethylhexyl)phthalate	21.28	149	302044	3.381	ng		100
33) Indeno(1,2,3-cd)pyrene	26.54	276	85147	2.241	ng		100
35) Benzo(b)fluoranthene	23.13	252	80678	2.235	ng		98
36) Benzo(k)fluoranthene	23.18	252	81558	2.223	ng		97
37) Benzo(a)pyrene	23.79	252	75633	2.217	ng		96
38) Dibenzo(a,h)anthracene	26.56	278	72151	2.281	ng		97
39) Benzo(g,h,i)perylene	27.35	276	70878	2.194	ng		96

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

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Instrument :
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PAMT-COMP-CMSD

Quant Time: Oct 07 01:14:13 2017
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE100617.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Oct 06 15:16:13 2017
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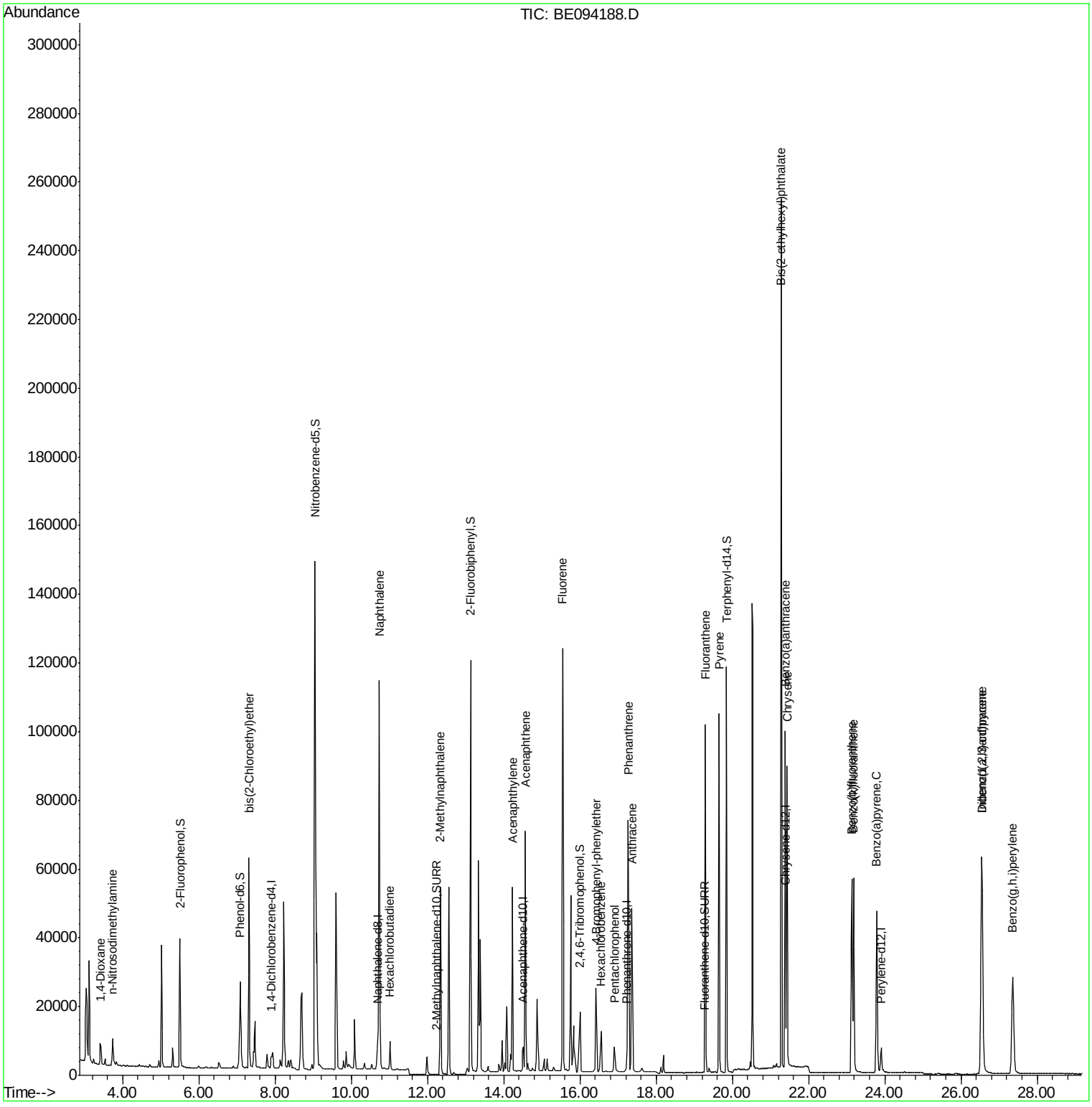
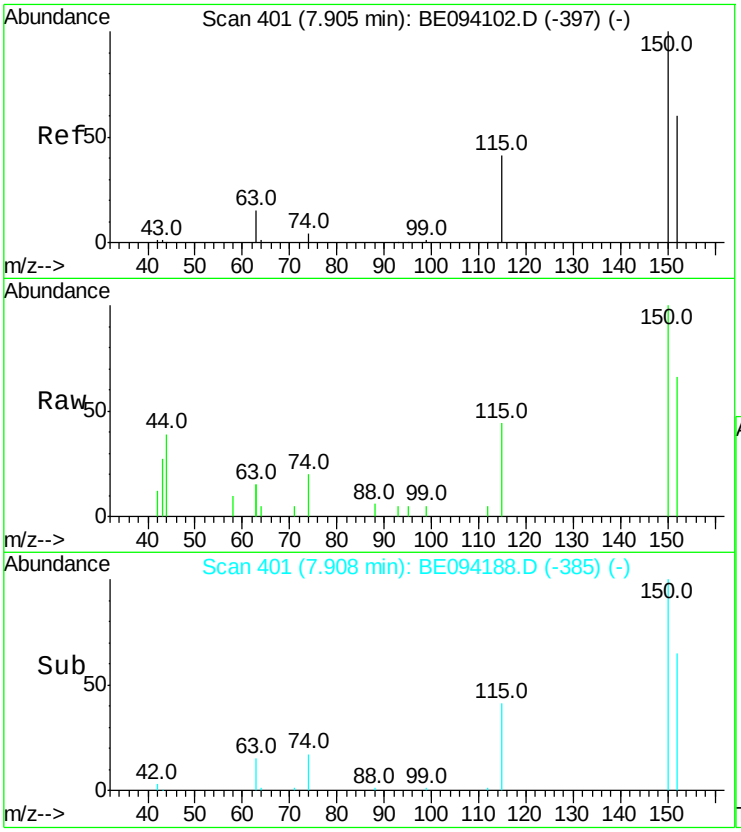


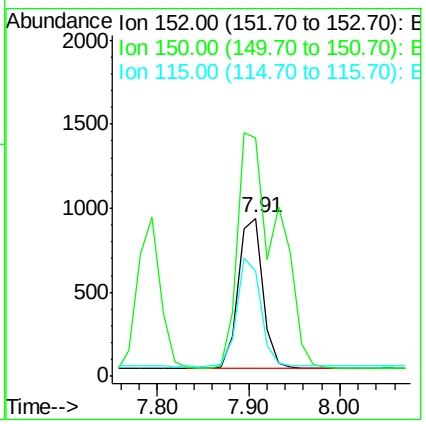


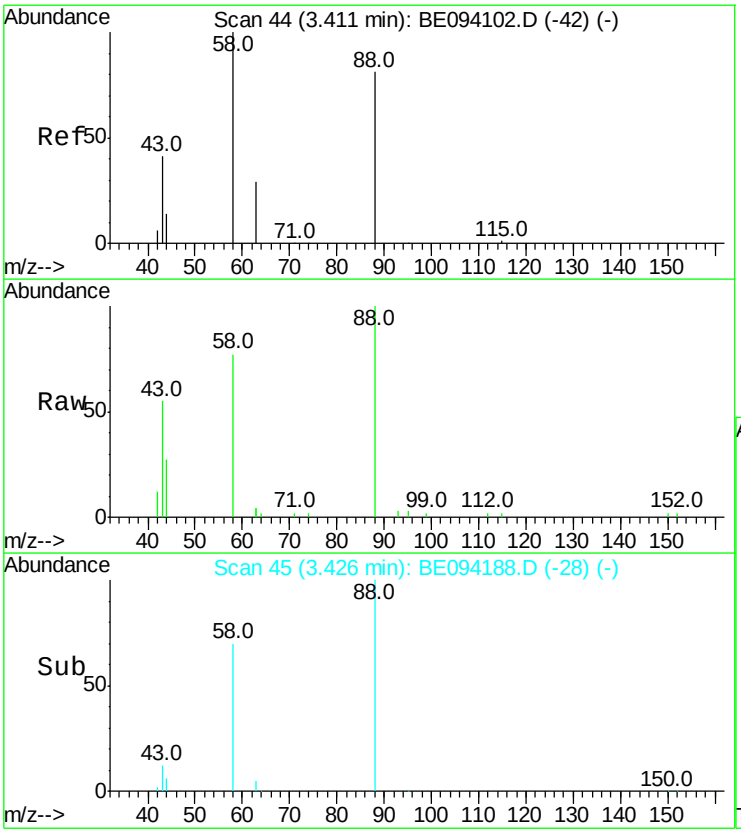
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:152 Resp: 1667

Ion	Ratio	Lower	Upper
152	100		
150	150.7	117.2	175.8
115	66.7	57.0	85.6

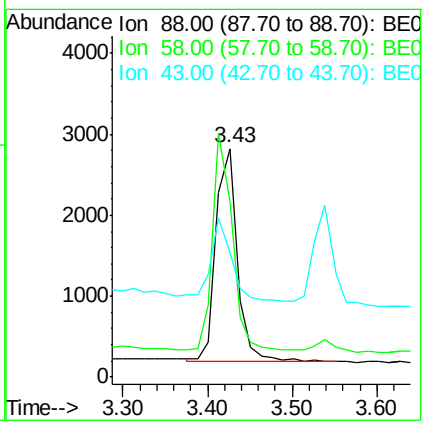


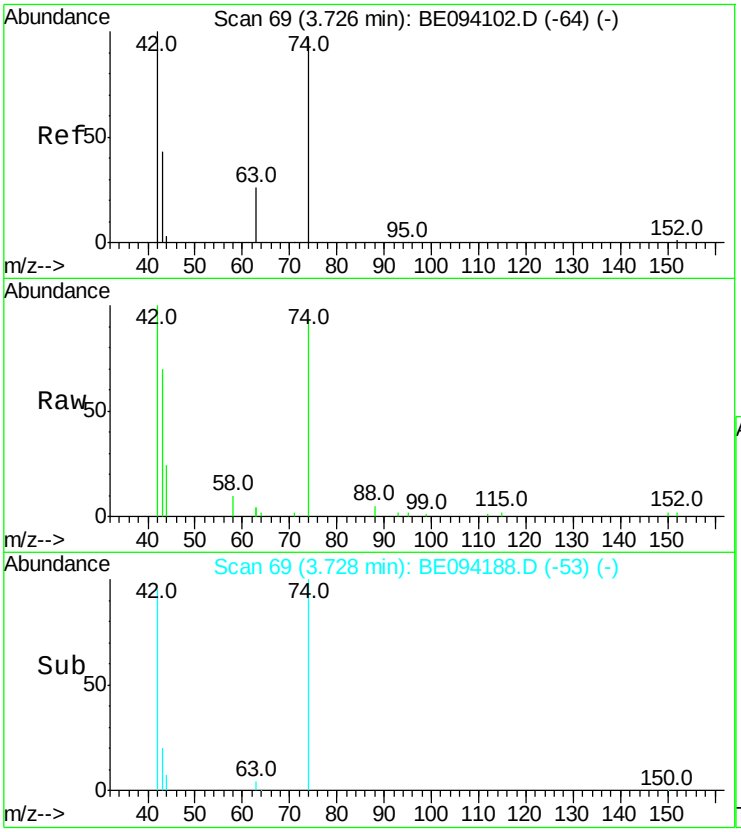


#2
1,4-Dioxane
Concen: 1.523 ng
RT: 3.43 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion: 88 Resp: 4599

Ion	Ratio	Lower	Upper
88	100		
58	93.5	63.2	94.8
43	38.4	41.2	61.8#



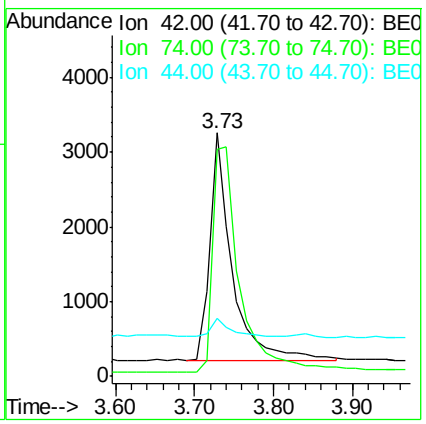


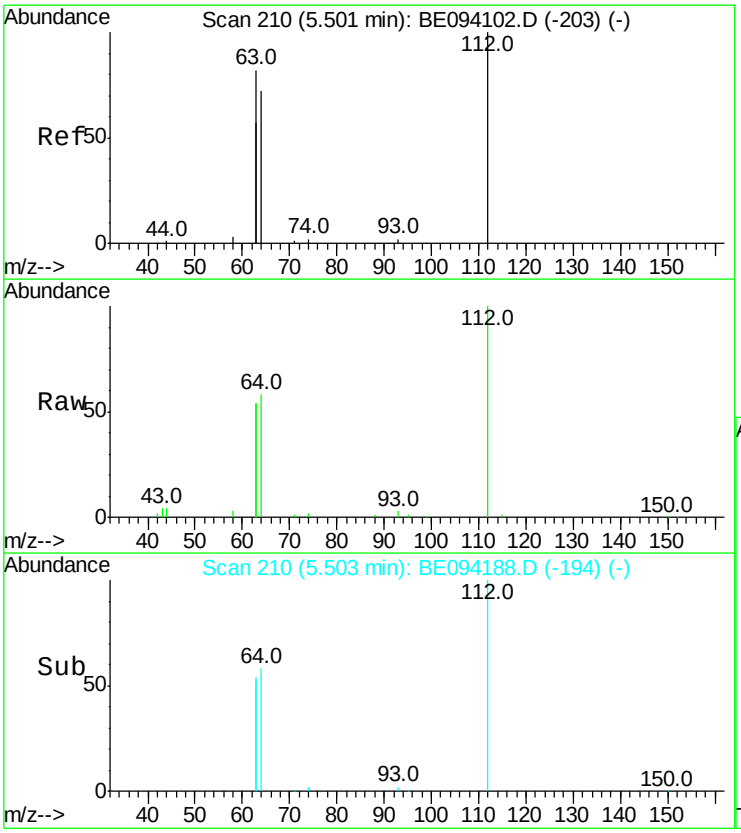
#3
n-Nitrosodimethylamine
Concen: 1.863 ng
RT: 3.73 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion: 42 Resp: 6036

Ion	Ratio	Lower	Upper
42	100		
74	120.8	100.3	150.5
44	7.6	17.0	25.4#

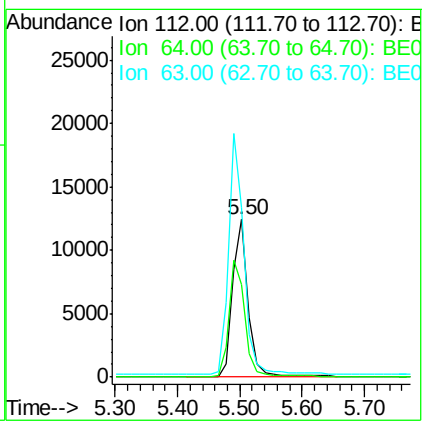


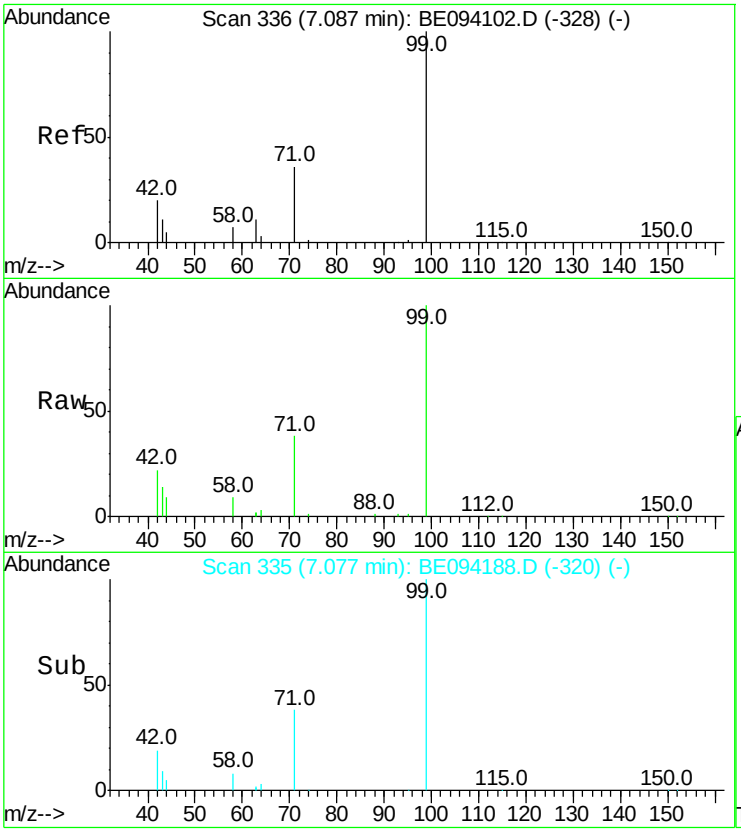


#4
2-Fluorophenol
Concen: 3.873 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:112 Resp: 21516

Ion	Ratio	Lower	Upper
112	100		
64	76.0	60.1	90.1
63	152.0	116.8	175.2



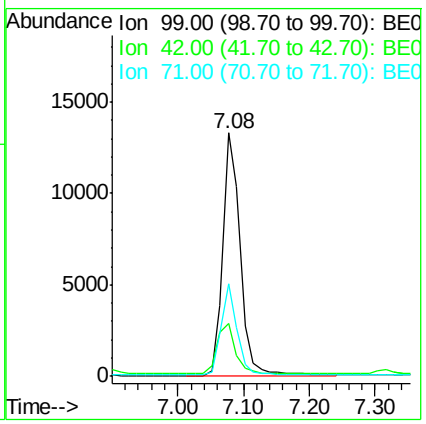


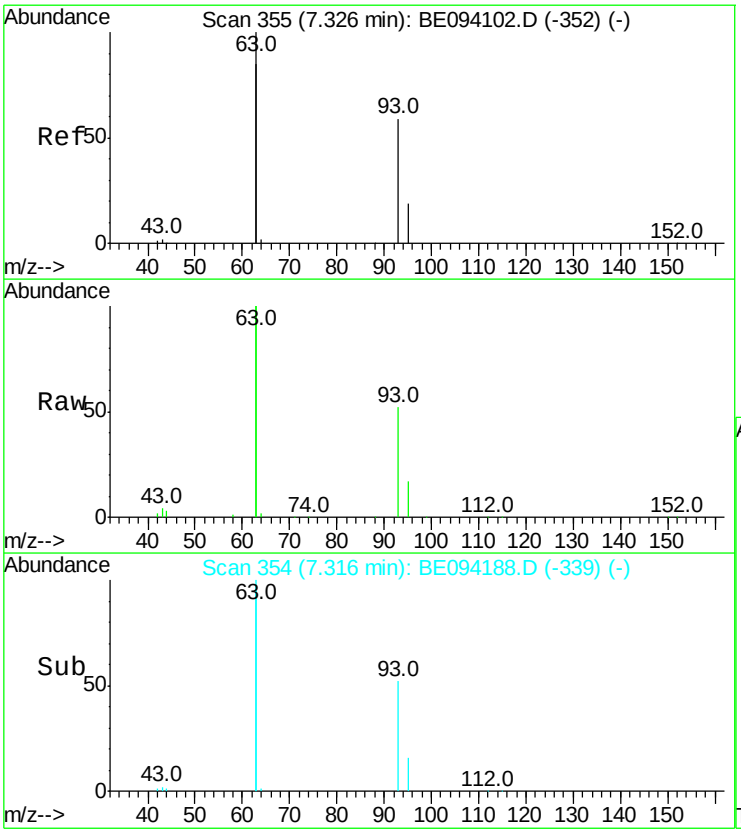
#5
Phenol-d6
Concen: 3.020 ng
RT: 7.08 min Scan# 335
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion: 99 Resp: 24319

Ion	Ratio	Lower	Upper
99	100		
42	21.9	20.2	30.2
71	35.4	28.4	42.6

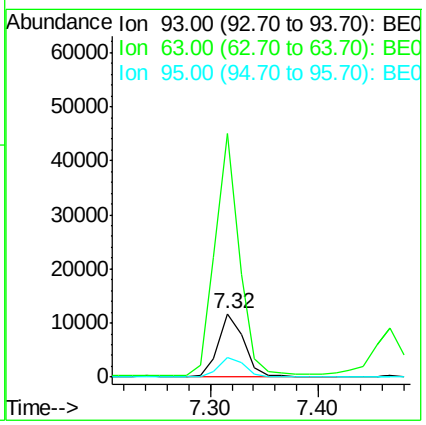


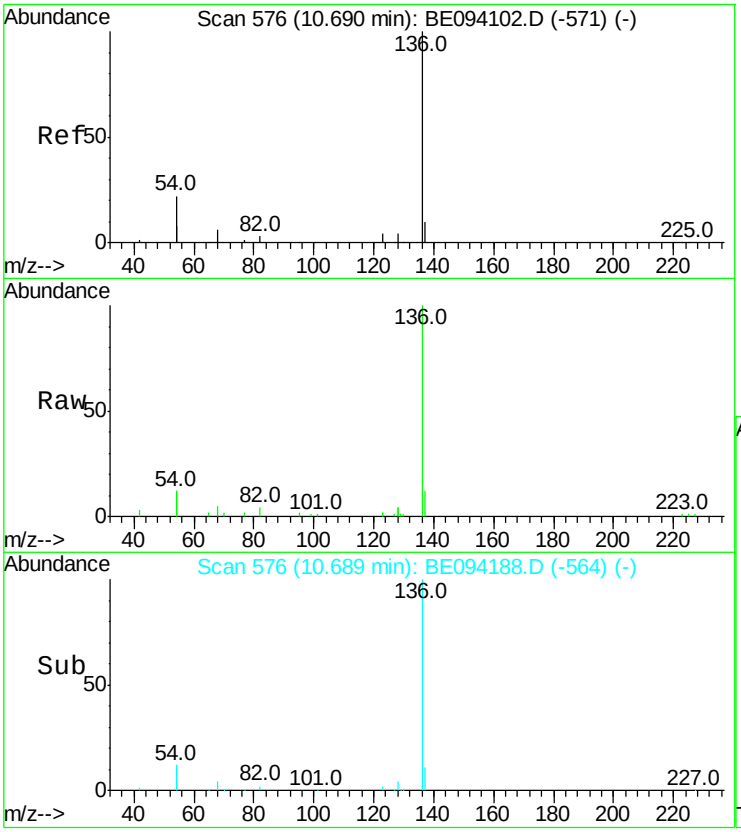


#6
bis(2-Chloroethyl)ether
Concen: 2.899 ng
RT: 7.32 min Scan# 354
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion: 93 Resp: 18954

Ion	Ratio	Lower	Upper
93	100		
63	369.2	275.3	412.9
95	32.5	25.2	37.8



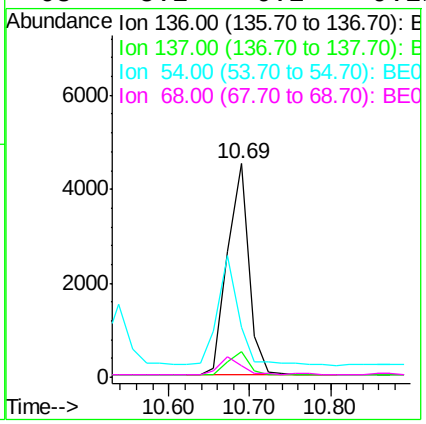


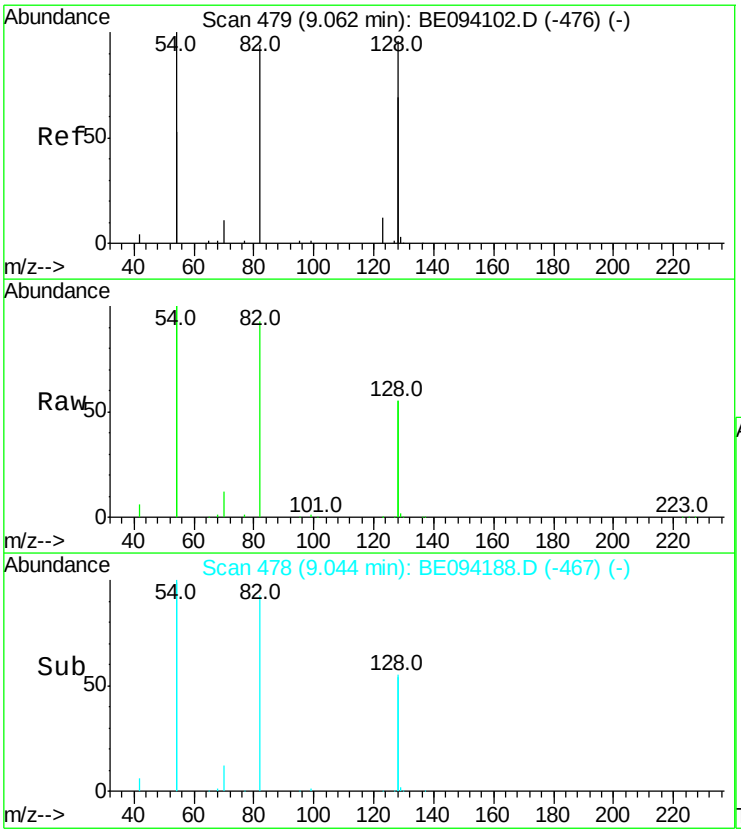
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:136 Resp: 8322

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	23.1	29.1	43.7#
68	5.2	6.2	9.2#

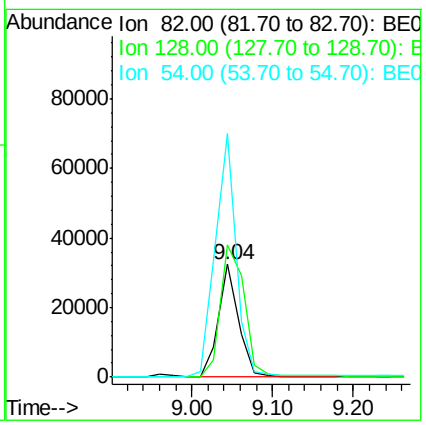


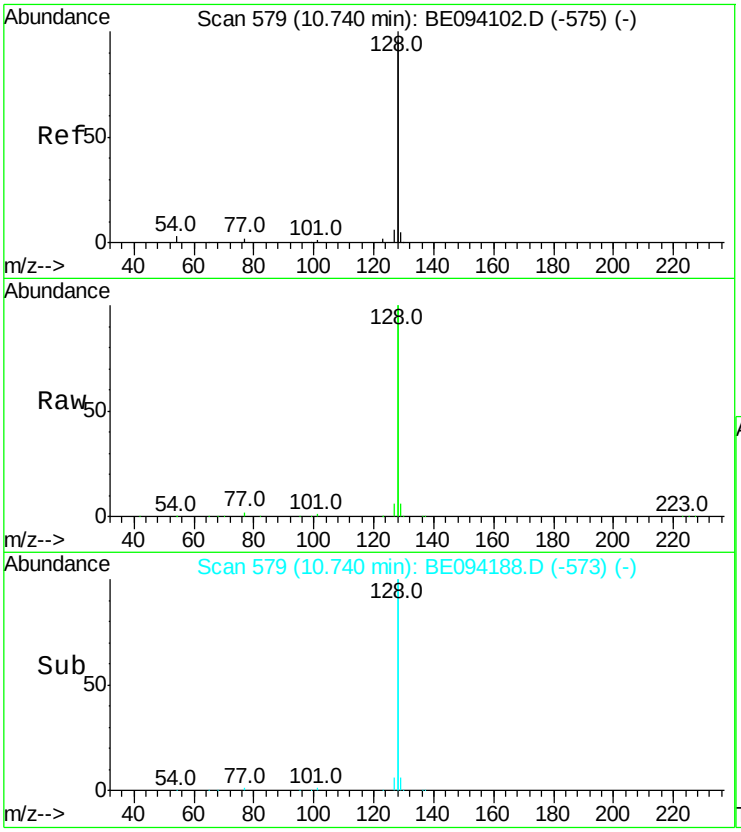


#8
Nitrobenzene-d5
Concen: 7.959 ng
RT: 9.04 min Scan# 478
Delta R.T. -0.02 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion: 82 Resp: 55146

Ion	Ratio	Lower	Upper
82	100		
128	117.8	150.0	225.0#
54	215.8	154.2	231.4



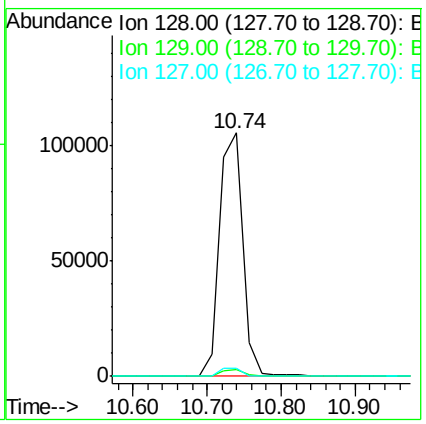


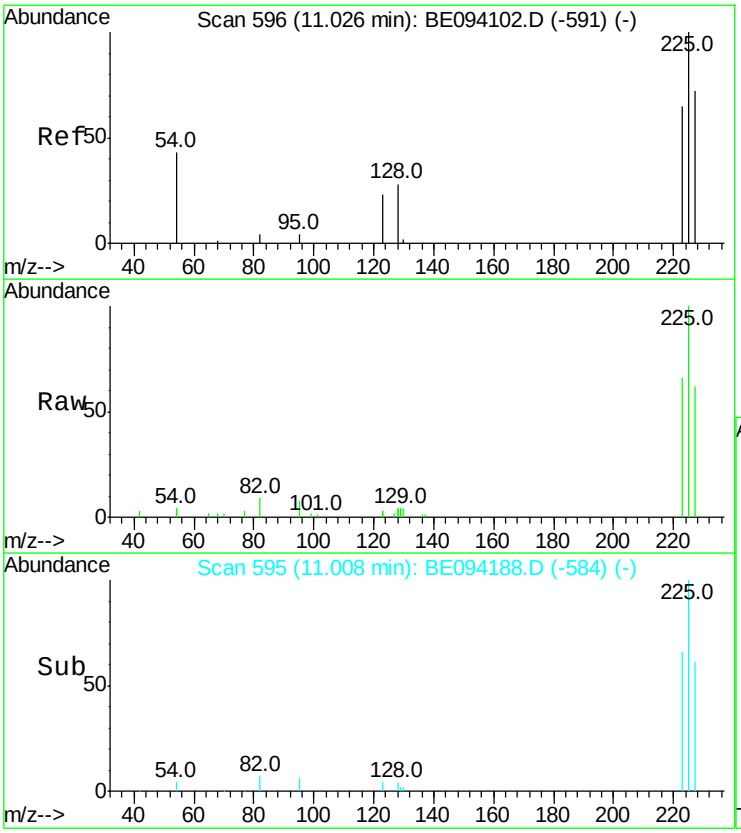
#9
Naphthalene
Concen: 2.439 ng
RT: 10.74 min Scan# 579
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:128 Resp: 228585

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.6	3.8
127	3.1	2.8	4.2

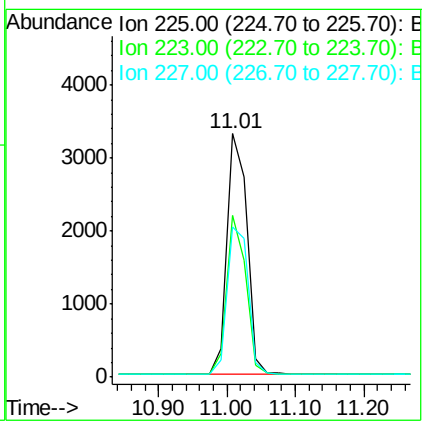


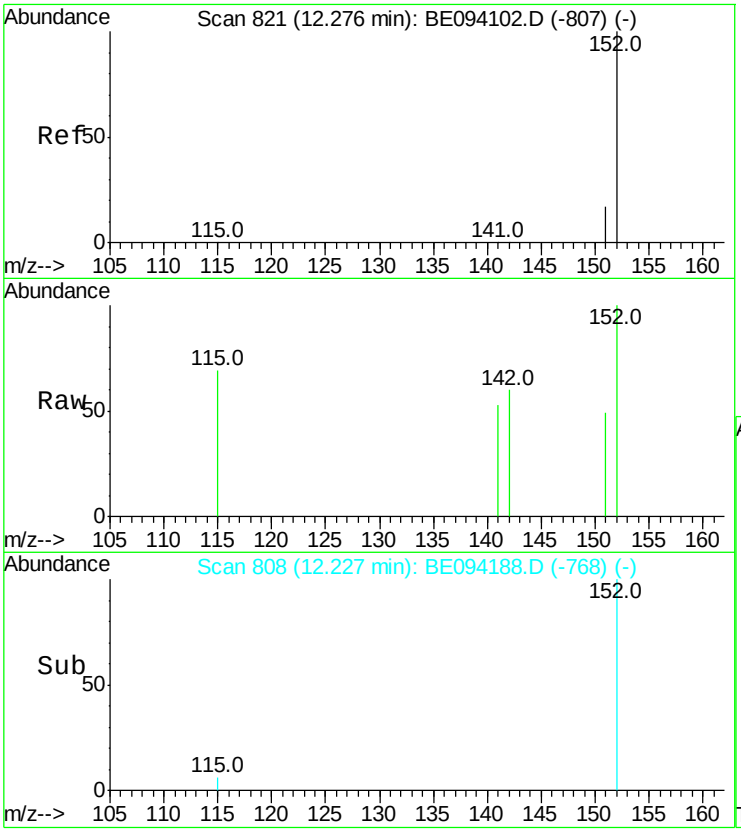


#10
Hexachlorobutadiene
Concen: 1.867 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.02 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:225 Resp: 6640

Ion	Ratio	Lower	Upper
225	100		
223	62.4	53.0	79.6
227	64.1	51.4	77.2



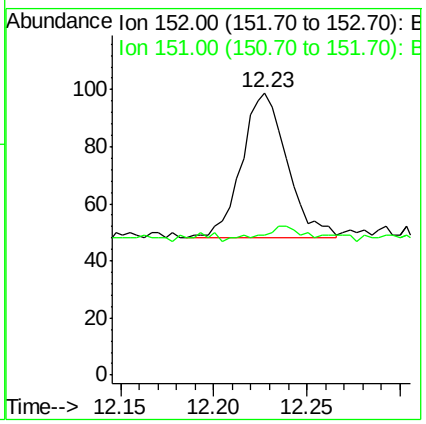


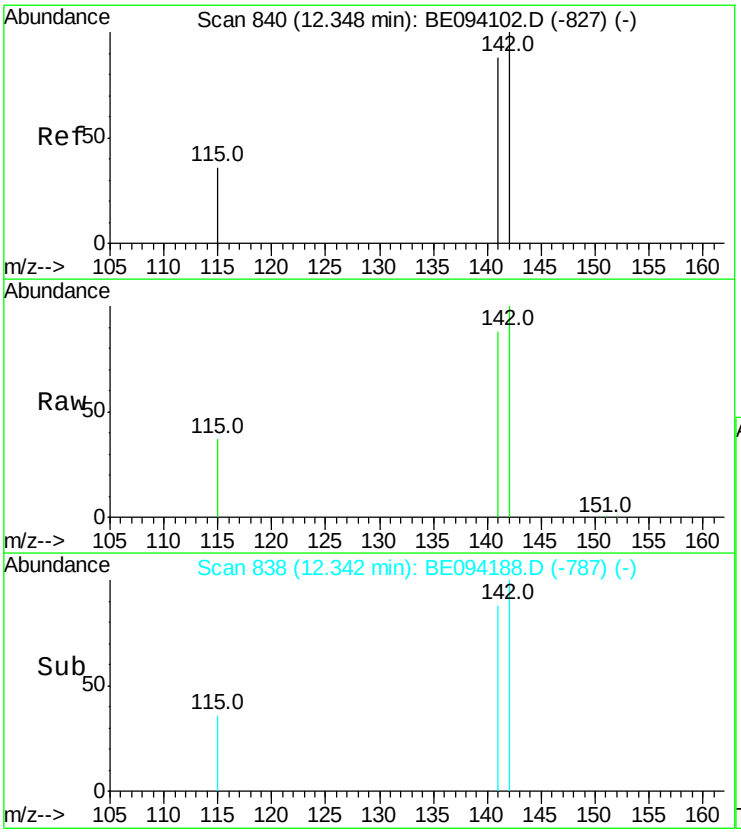
#11
2-Methylnaphthalene-d10
Concen: 0.007 ng
RT: 12.23 min Scan# 808
Delta R.T. -0.05 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:152 Resp: 86

Ion	Ratio	Lower	Upper
152	100		
151	4.7	15.4	23.0#

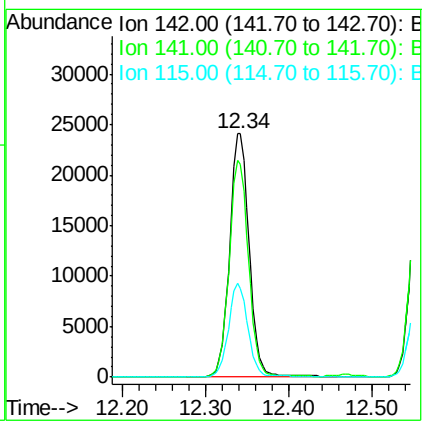


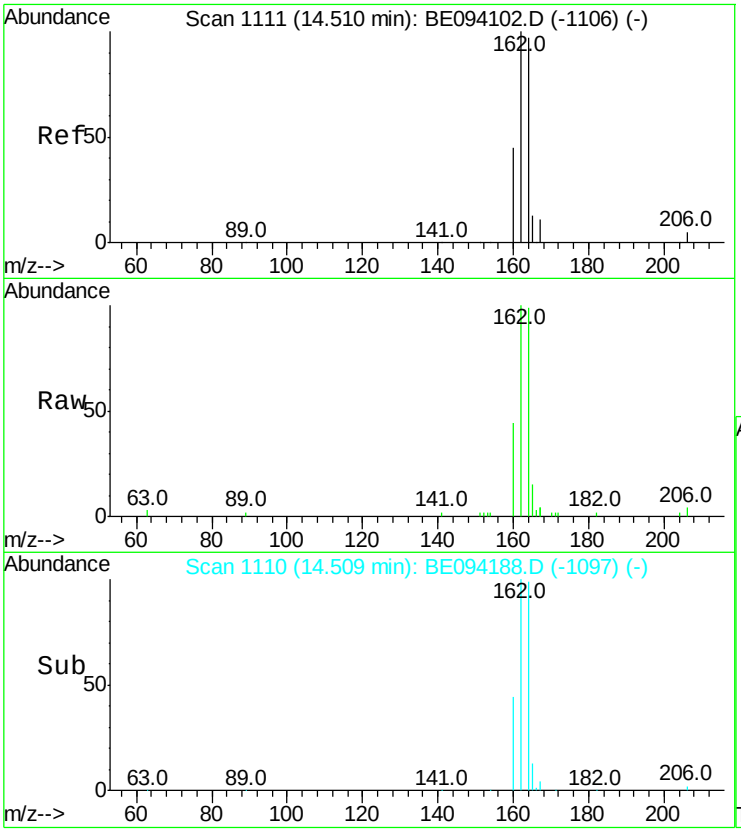


#12
2-Methylnaphthalene
Concen: 2.546 ng
RT: 12.34 min Scan# 838
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:142 Resp: 39194

Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.4	105.6
115	36.6	31.7	47.5



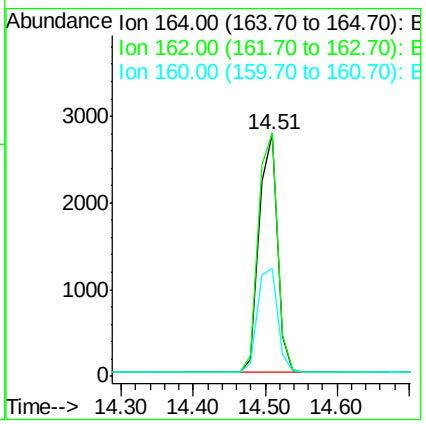


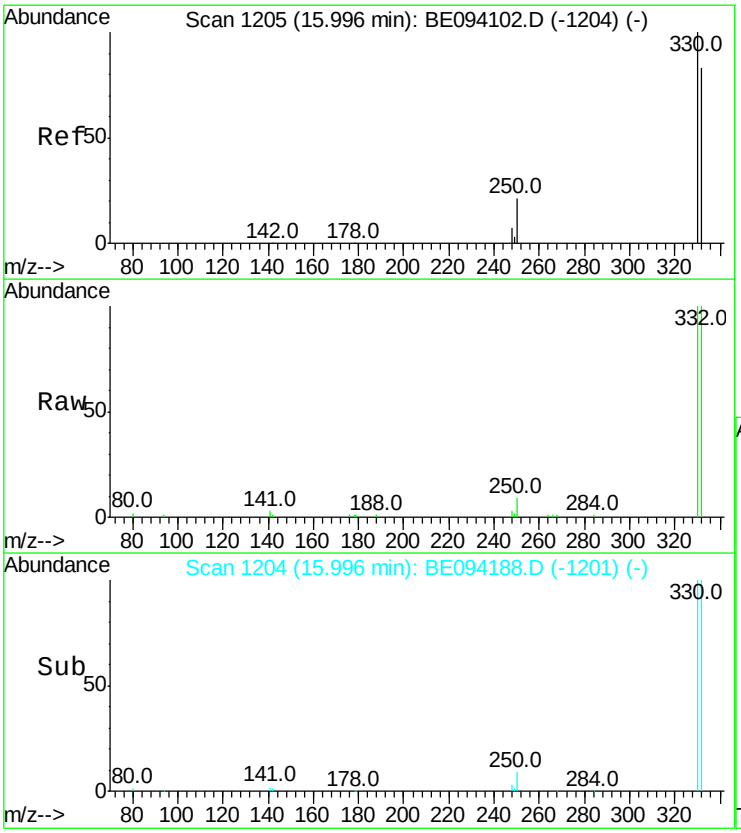
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:164 Resp: 4945

Ion	Ratio	Lower	Upper
164	100		
162	100.7	83.1	124.7
160	44.7	37.1	55.7

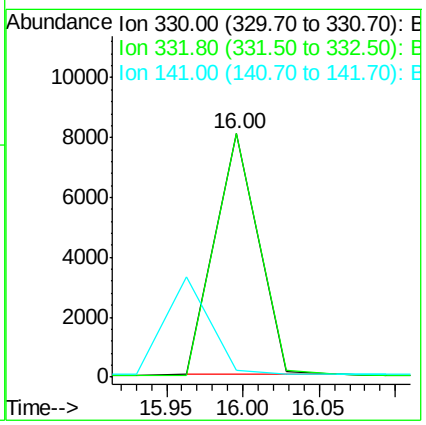


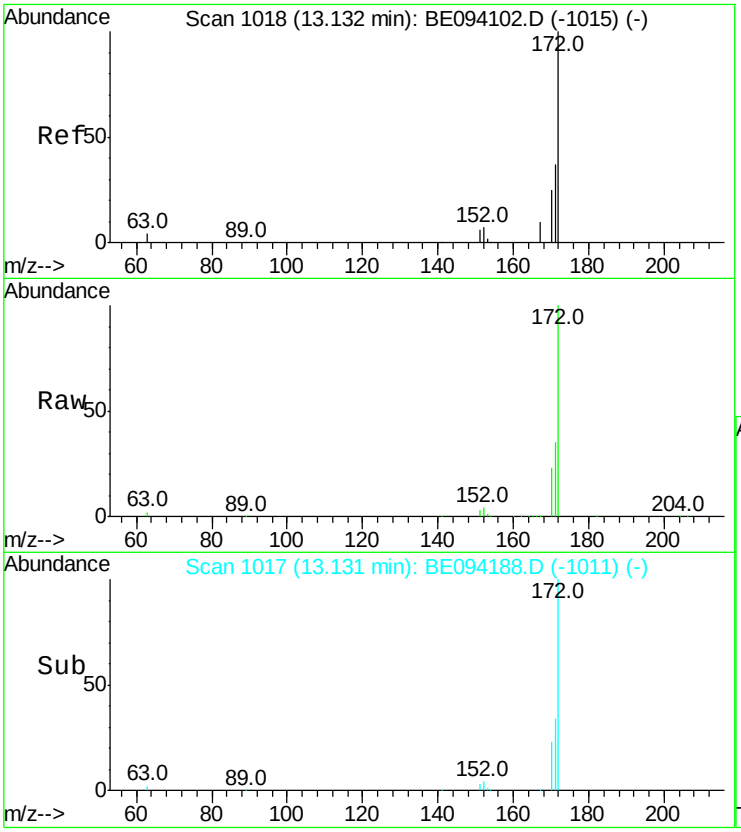


#14
2,4,6-Tribromophenol
Concen: 7.410 ng
RT: 16.00 min Scan# 1204
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:330 Resp: 15929

Ion	Ratio	Lower	Upper
330	100		
332	101.2	152.7	229.1#
141	0.0	33.7	50.5#



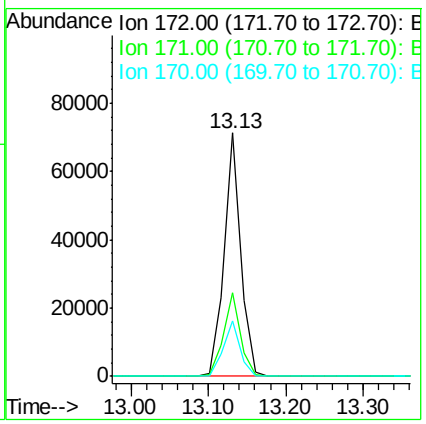


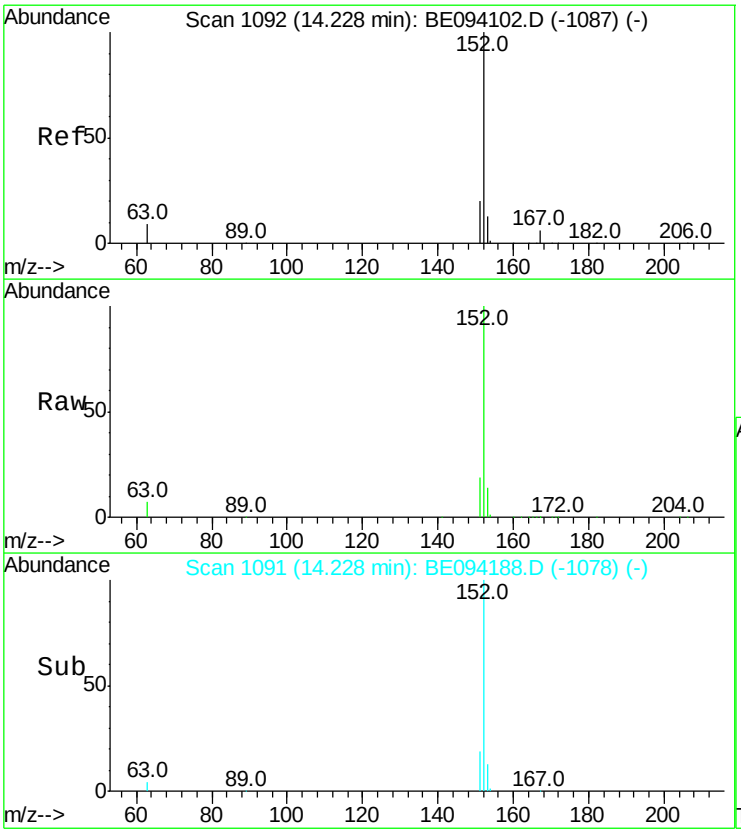
#15
2-Fluorobiphenyl
Concen: 6.236 ng
RT: 13.13 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:172 Resp: 105644

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.9	44.9
170	22.9	21.8	32.8

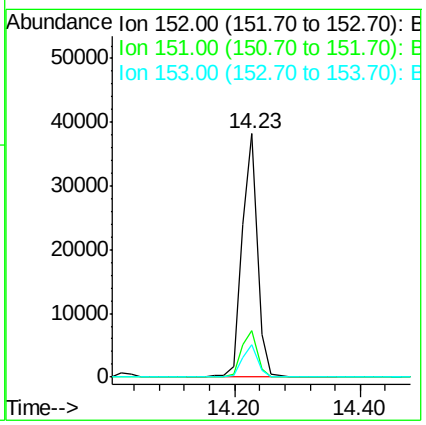


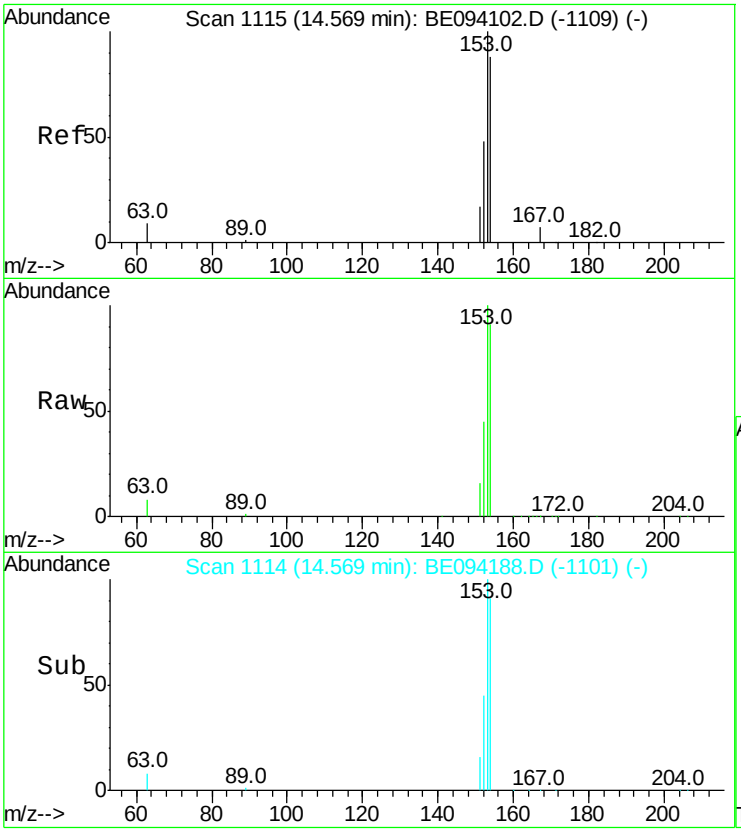


#16
Acenaphthylene
Concen: 2.540 ng
RT: 14.23 min Scan# 1091
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:152 Resp: 63600

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.2	10.5	15.7



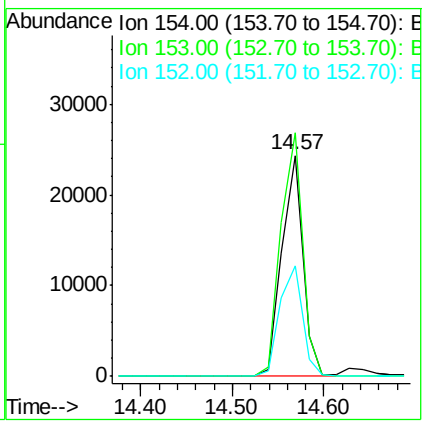


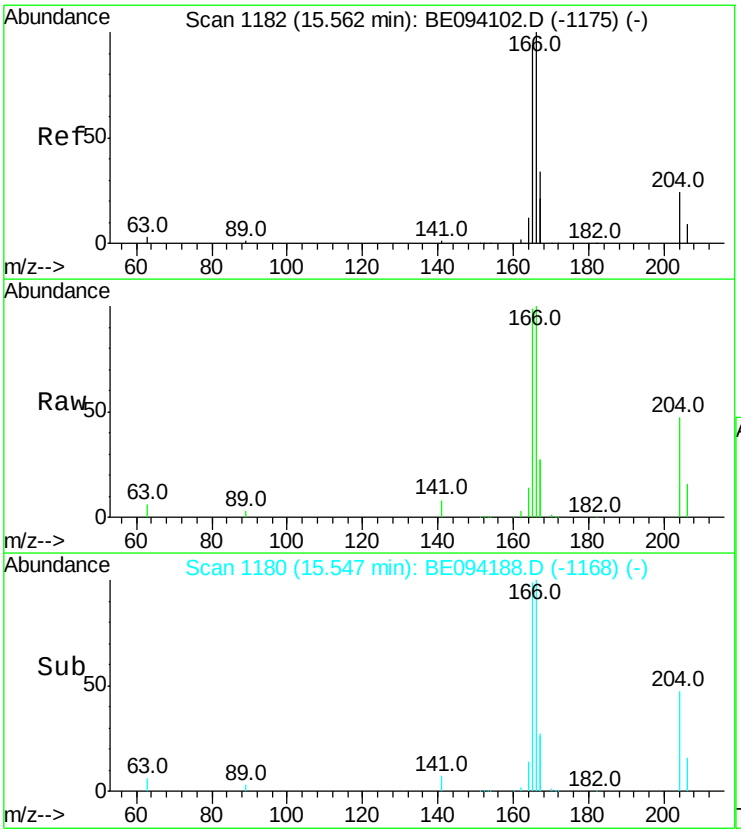
#17
Acenaphthene
Concen: 2.326 ng
RT: 14.57 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:154 Resp: 38477

Ion	Ratio	Lower	Upper
154	100		
153	113.9	89.2	133.8
152	54.0	42.0	63.0

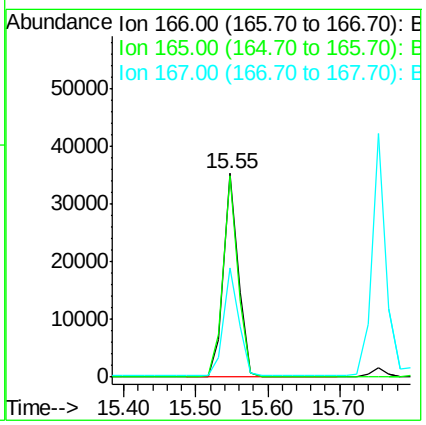


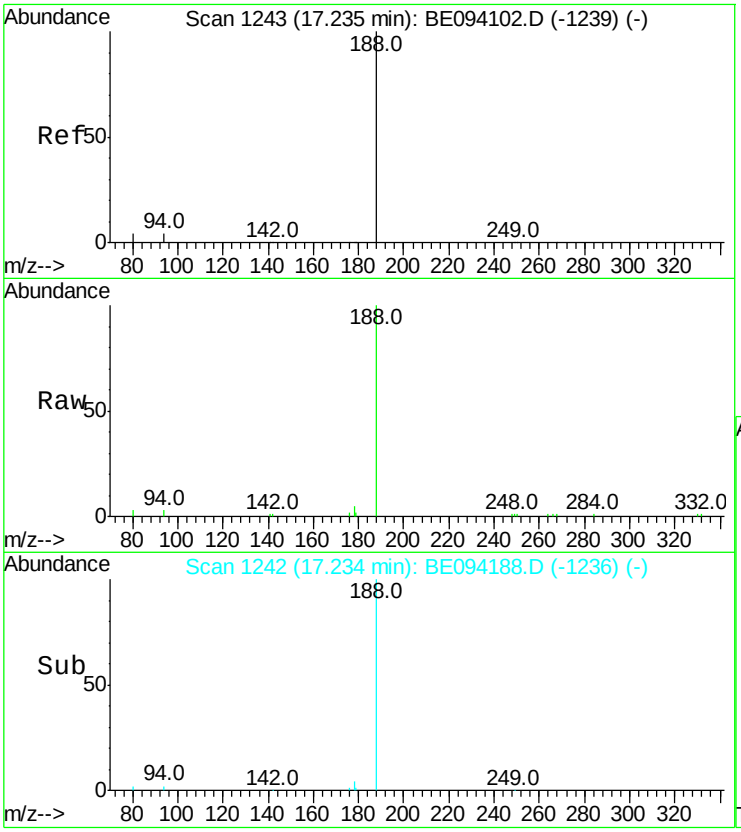


#18
Fluorene
Concen: 2.362 ng
RT: 15.55 min Scan# 1180
Delta R.T. -0.02 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:166 Resp: 51166

Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.8	116.6
167	54.2	42.4	63.6



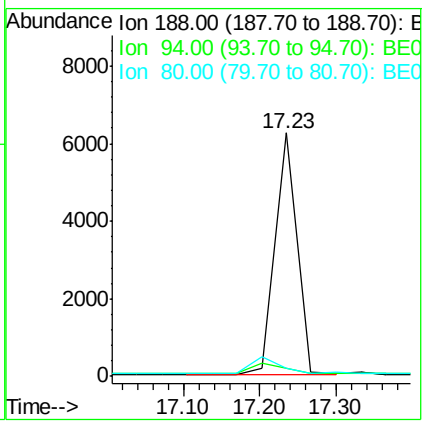


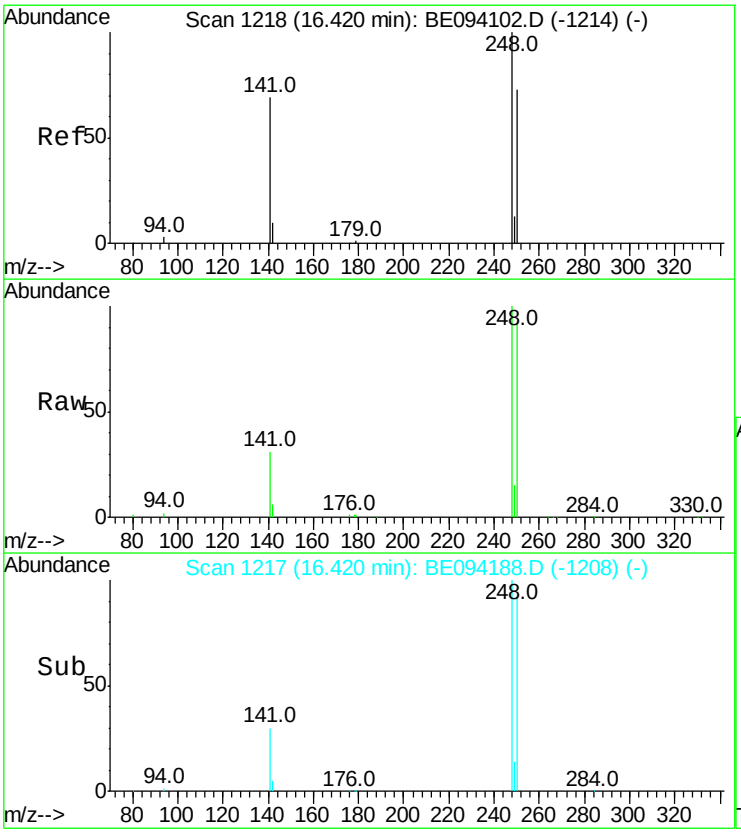
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1242
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:188 Resp: 12612

Ion	Ratio	Lower	Upper
188	100		
94	3.5	3.9	5.9#
80	3.2	3.6	5.4#

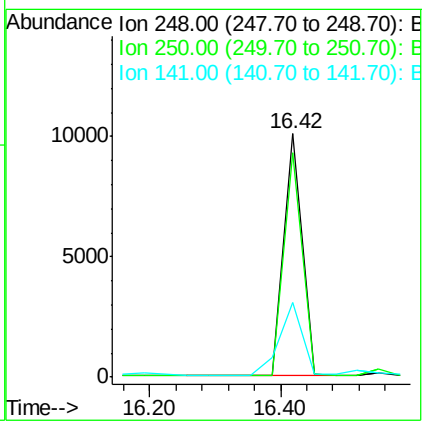


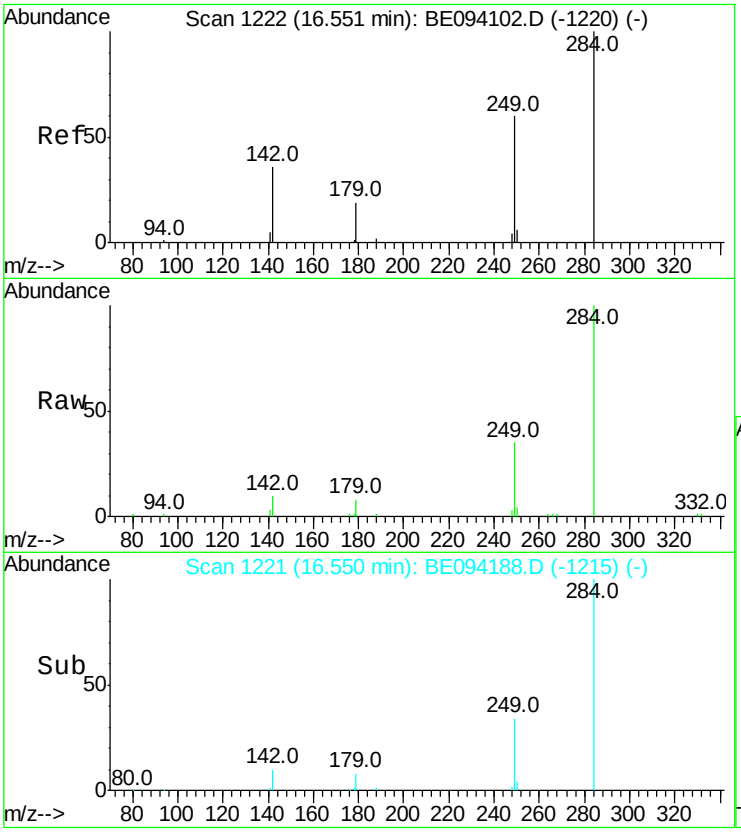


#20
4-Bromophenyl-phenylether
Concen: 2.737 ng
RT: 16.42 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:248 Resp: 19891

Ion	Ratio	Lower	Upper
248	100		
250	92.1	62.7	94.1
141	30.8	48.2	72.2#



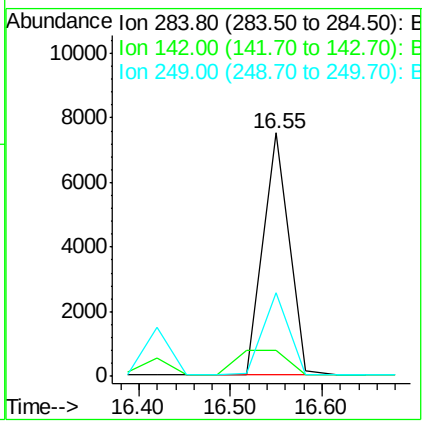


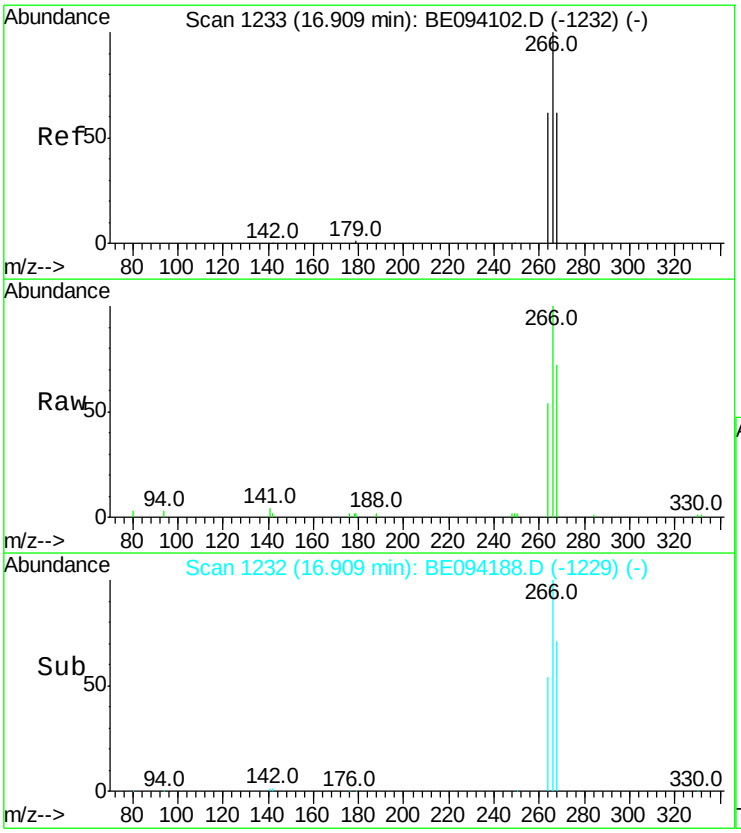
#21
Hexachlorobenzene
Concen: 2.285 ng
RT: 16.55 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:284 Resp: 14915

Ion	Ratio	Lower	Upper
284	100		
142	0.0	22.1	33.1#
249	34.0	34.8	52.2#

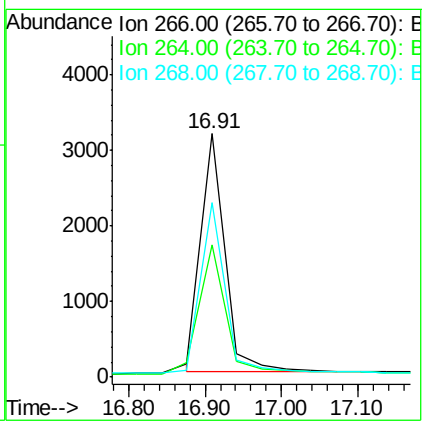


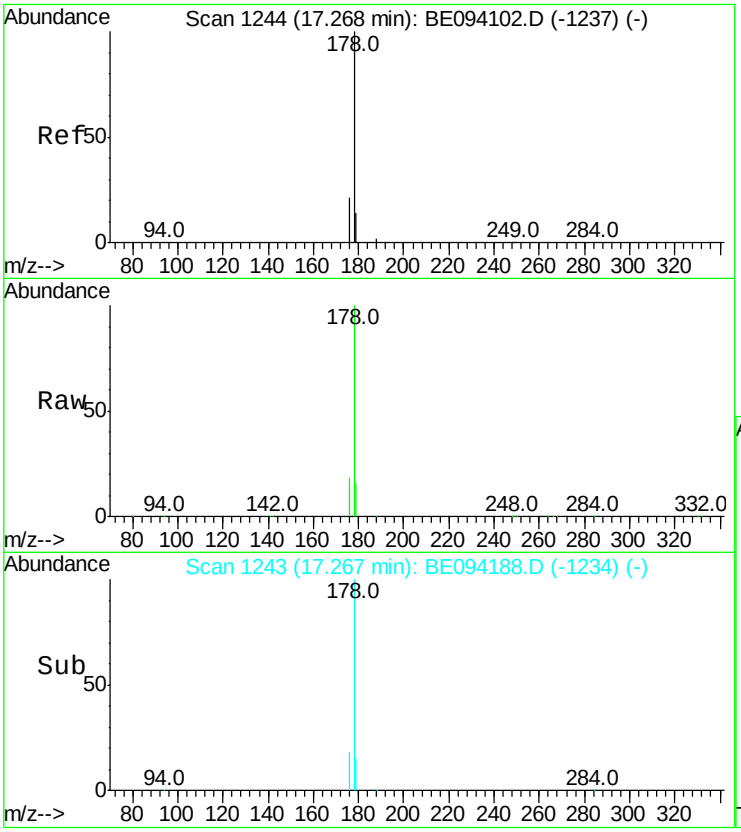


#22
Pentachlorophenol
Concen: 3.852 ng
RT: 16.91 min Scan# 1232
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:266 Resp: 6815

Ion	Ratio	Lower	Upper
266	100		
264	54.4	72.5	108.7#
268	71.6	73.8	110.6#



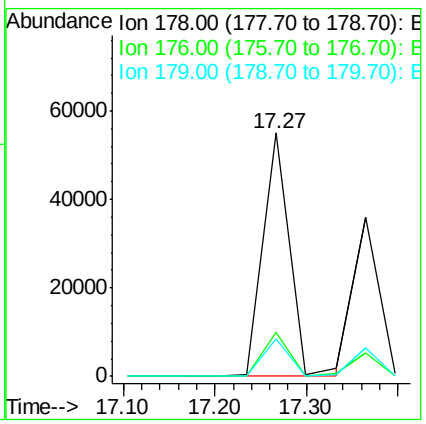


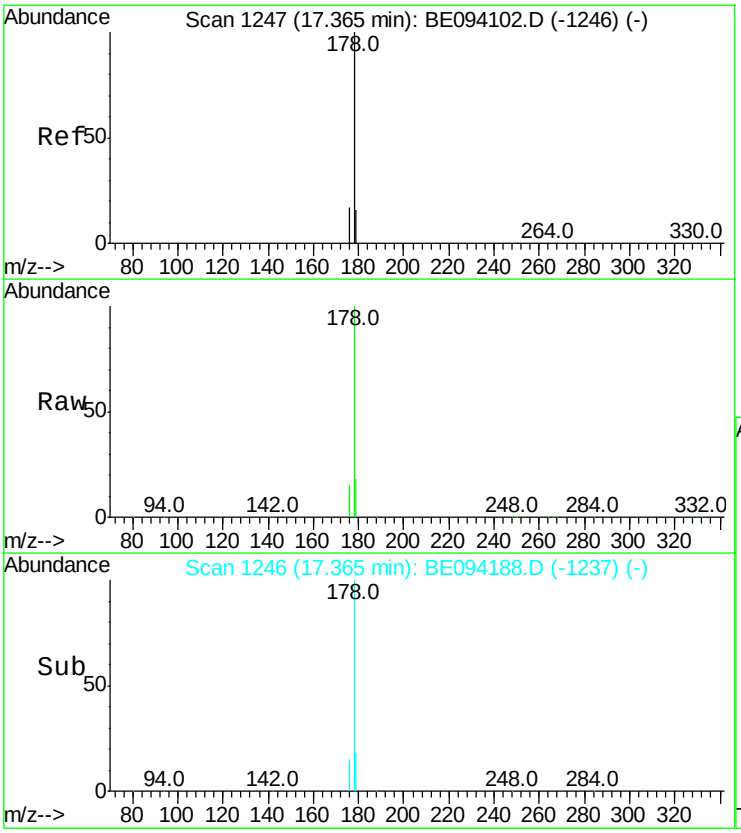
#23
Phenanthrene
Concen: 2.574 ng
RT: 17.27 min Scan# 1243
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:178 Resp: 112500

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.1	22.7
179	15.3	11.8	17.6

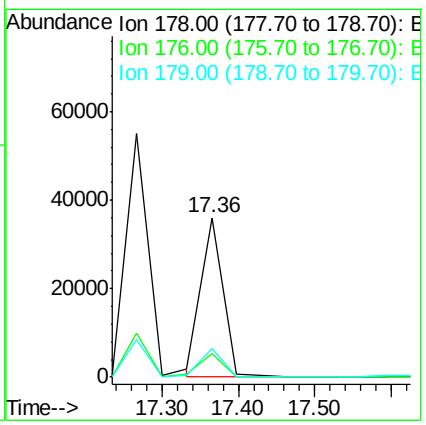


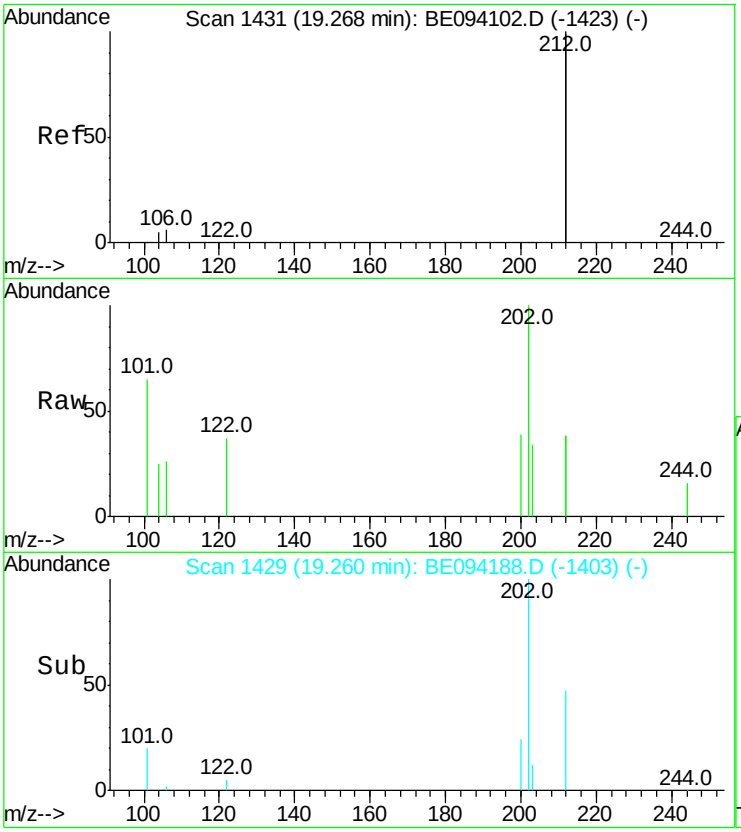


#24
Anthracene
Concen: 2.150 ng
RT: 17.36 min Scan# 1246
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:178 Resp: 71668

Ion	Ratio	Lower	Upper
178	100		
176	14.9	12.8	19.2
179	17.5	13.0	19.6



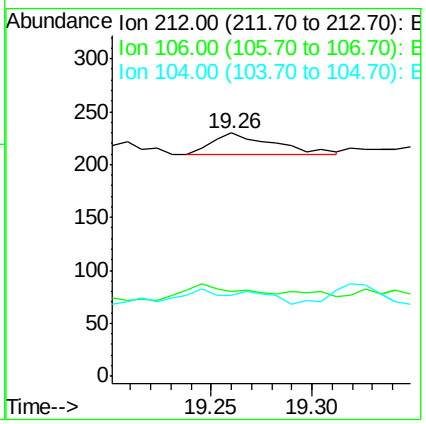


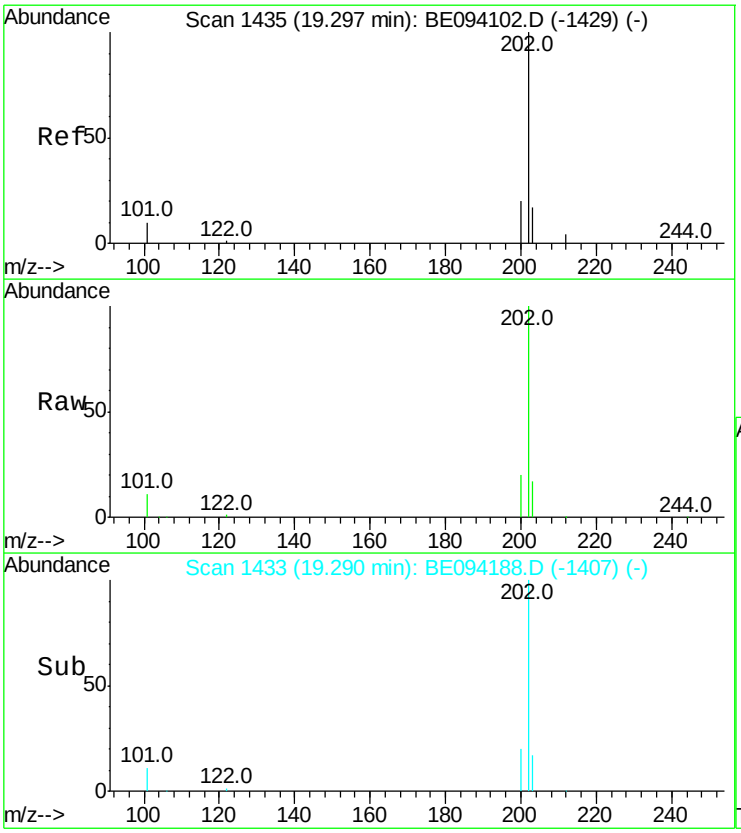
#25
Fluoranthene-d10
Concen: 0.000 ng
RT: 19.26 min Scan# 1429
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:212 Resp: 41

Ion	Ratio	Lower	Upper
212	100		
106	75.6	2.8	4.2#
104	70.7	1.6	2.4#

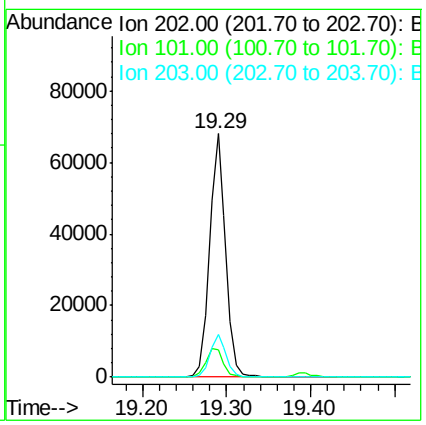


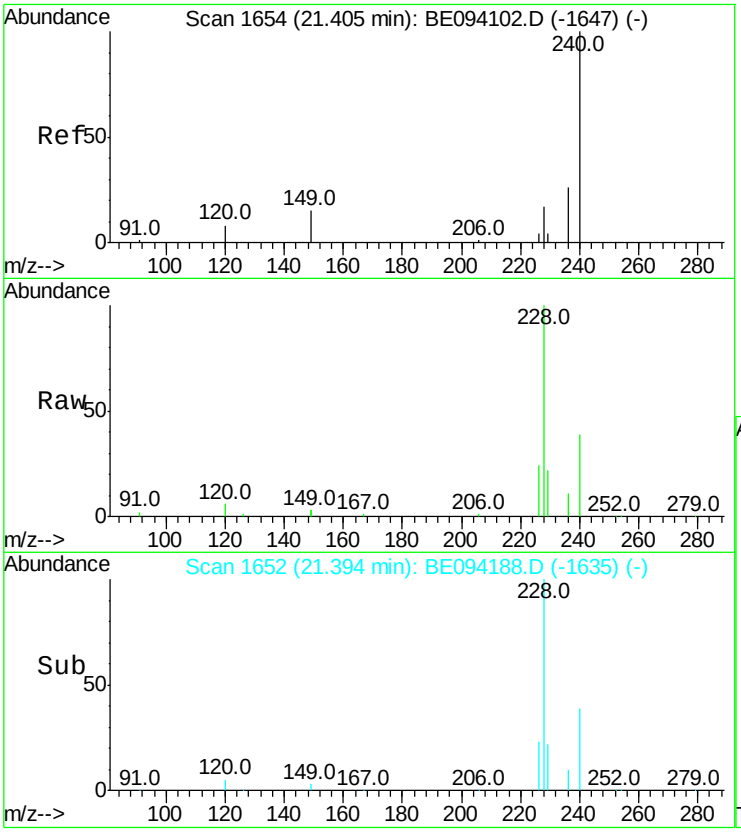


#26
Fluoranthene
Concen: 2.367 ng
RT: 19.29 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:202 Resp: 90707

Ion	Ratio	Lower	Upper
202	100		
101	12.4	9.8	14.8
203	17.2	13.7	20.5



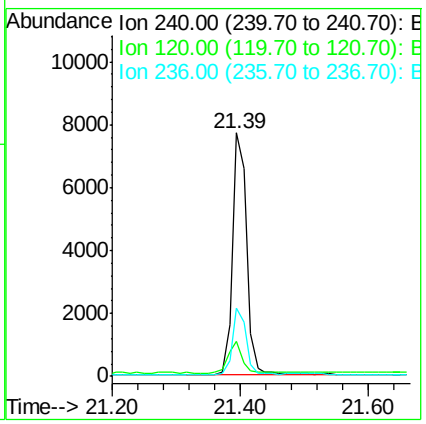


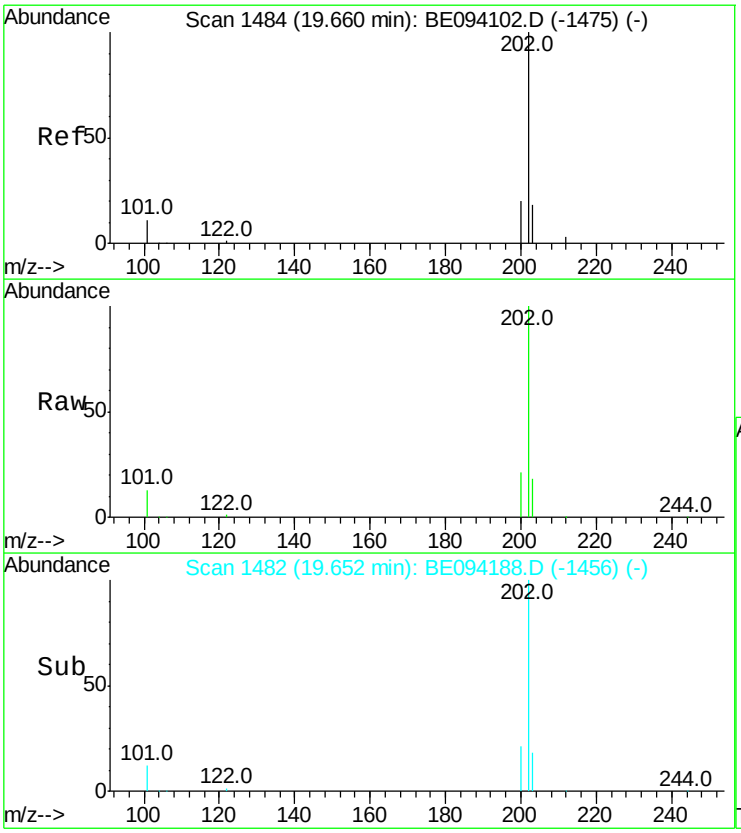
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:240 Resp: 11805

Ion	Ratio	Lower	Upper
240	100		
120	14.6	5.5	8.3#
236	27.8	20.7	31.1

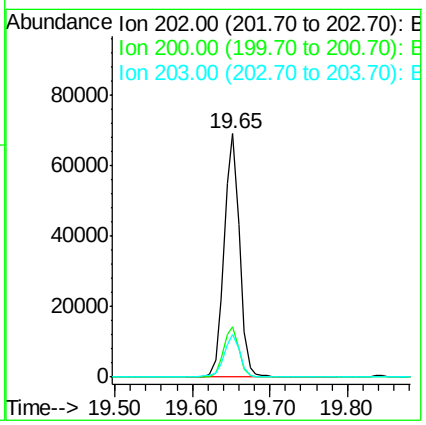


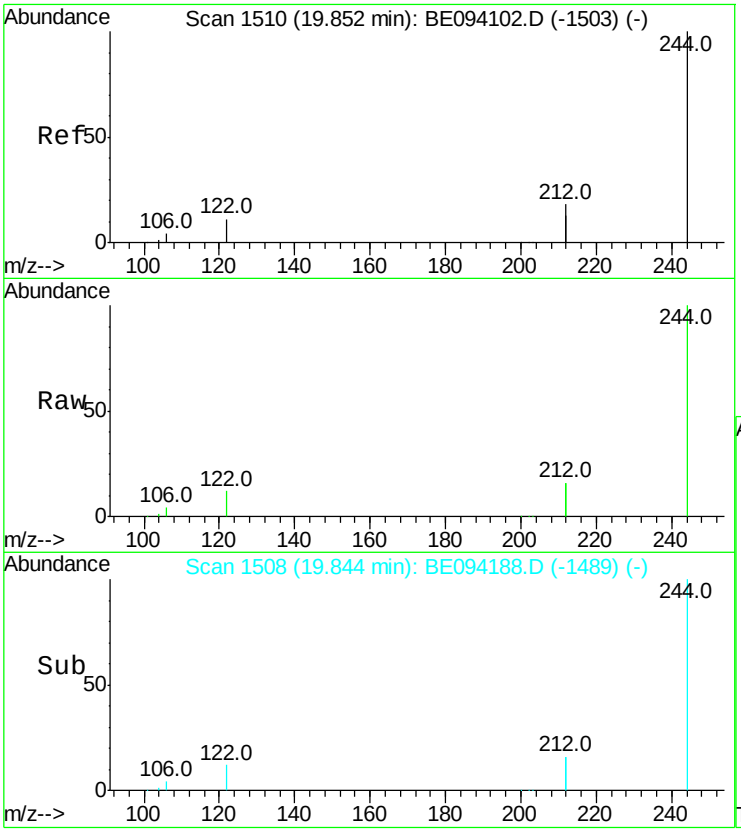


#28
Pyrene
Concen: 2.313 ng
RT: 19.65 min Scan# 1482
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:202 Resp: 93916

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	18.1	13.8	20.8



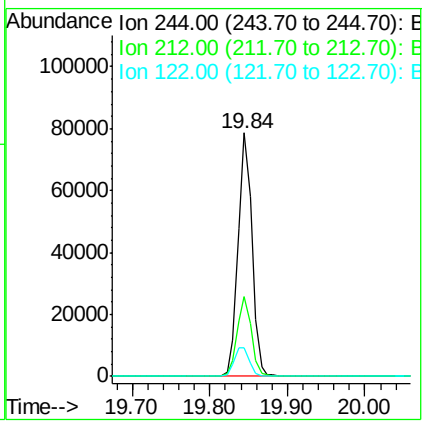


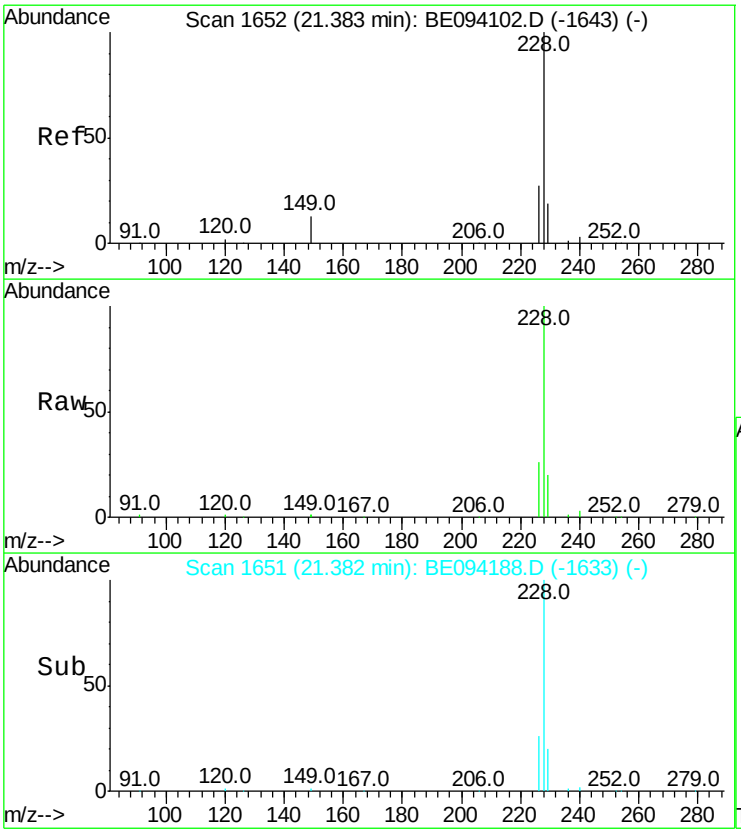
#29
Terphenyl-d14
Concen: 4.391 ng
RT: 19.84 min Scan# 1508
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:244 Resp: 97894

Ion	Ratio	Lower	Upper
244	100		
212	32.6	25.4	38.0
122	12.0	8.1	12.1

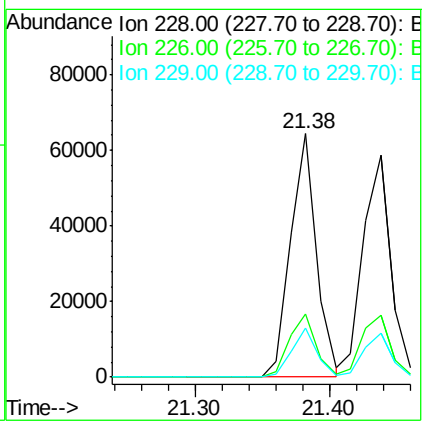


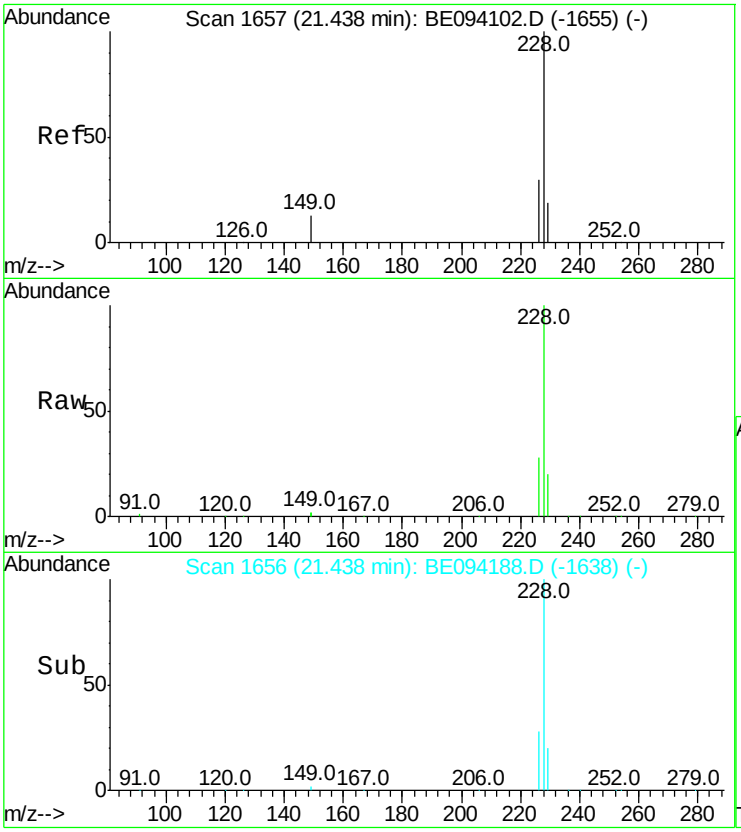


#30
Benzo(a)anthracene
Concen: 2.219 ng
RT: 21.38 min Scan# 1651
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:228 Resp: 86089

Ion	Ratio	Lower	Upper
228	100		
226	26.0	21.4	32.0
229	20.3	16.4	24.6



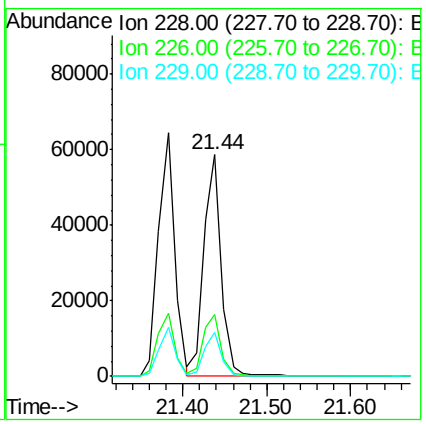


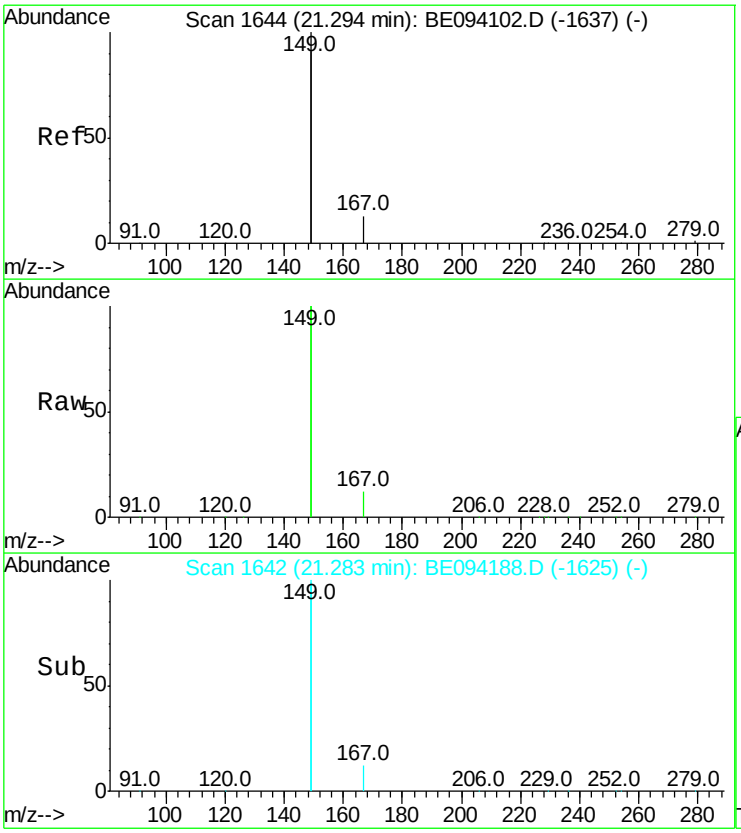
#31
Chrysene
Concen: 2.234 ng
RT: 21.44 min Scan# 1656
Delta R.T. -0.00 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:228 Resp: 85512

Ion	Ratio	Lower	Upper
228	100		
226	28.1	23.6	35.4
229	20.0	16.4	24.6

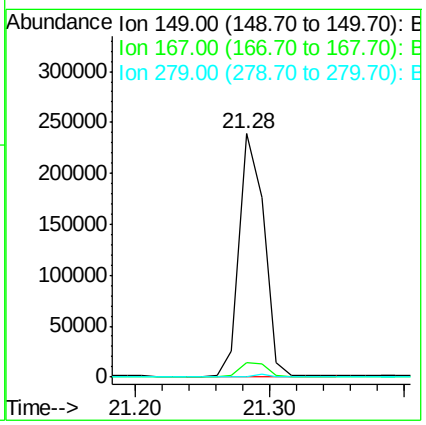


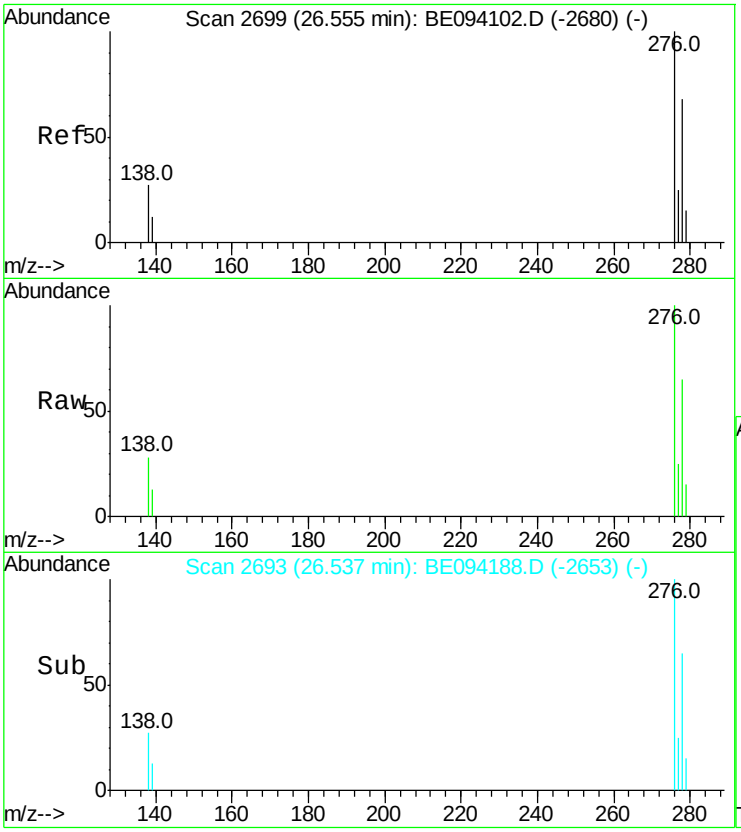


#32
Bis(2-ethylhexyl)phthalate
Concen: 3.381 ng
RT: 21.28 min Scan# 1642
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:149 Resp: 302044

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	0.9	0.7	1.1



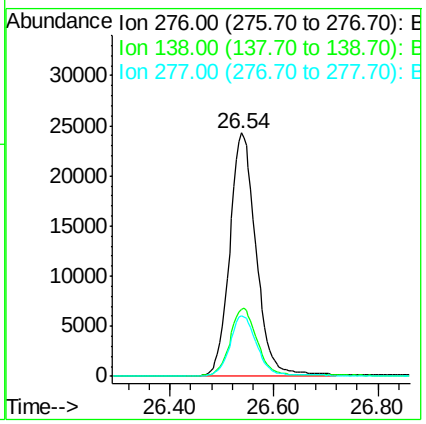


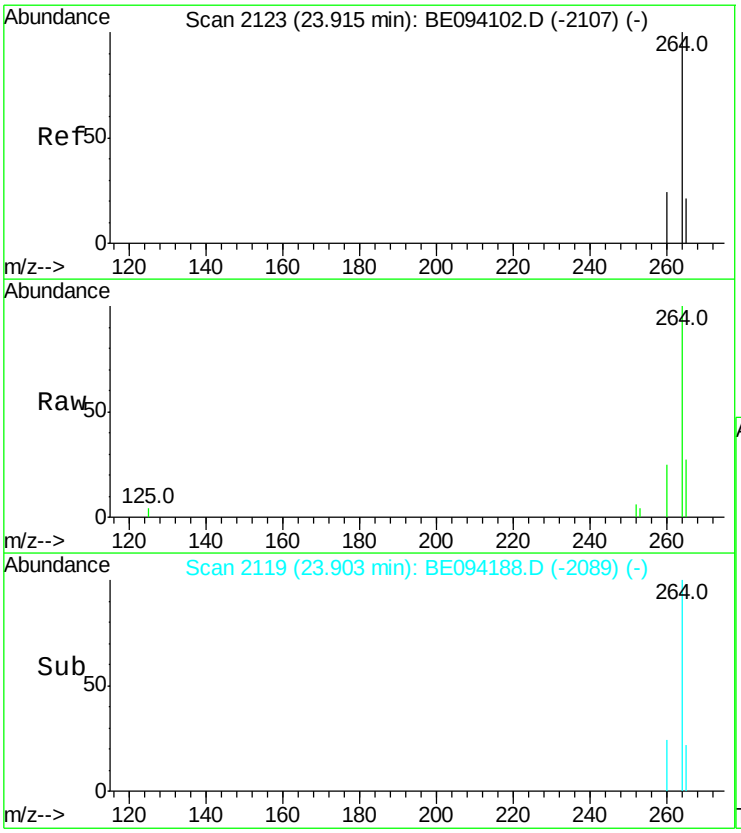
#33
Indeno(1,2,3-cd)pyrene
Concen: 2.241 ng
RT: 26.54 min Scan# 2693
Delta R.T. -0.02 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:276 Resp: 85147

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.5	33.7
277	25.1	19.9	29.9

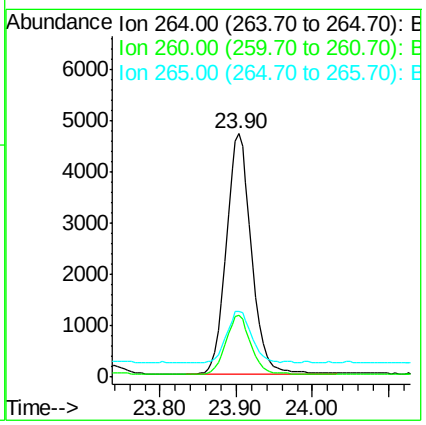


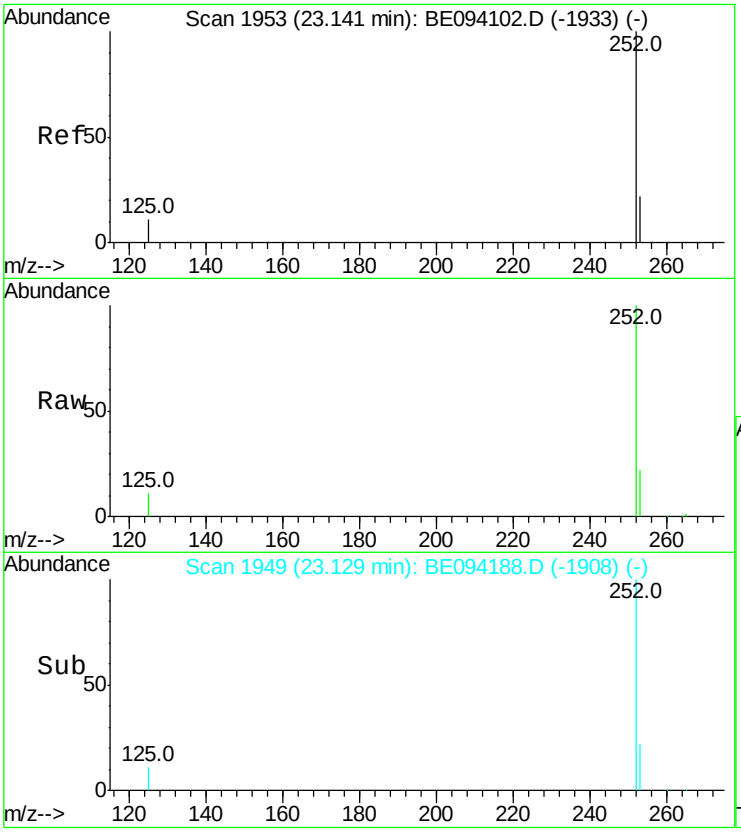


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:264 Resp: 10730

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.5	30.7
265	27.2	22.8	34.2



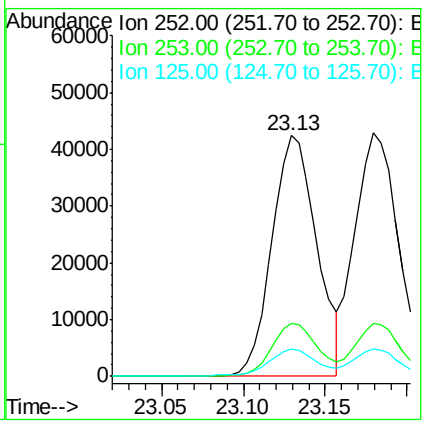


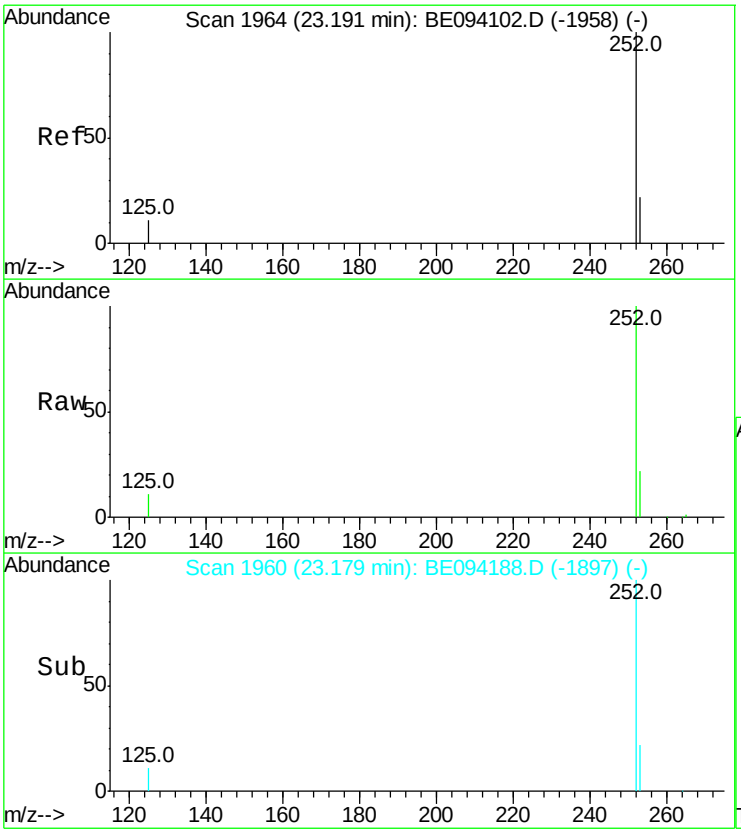
#35
Benzo(b)fluoranthene
Concen: 2.235 ng
RT: 23.13 min Scan# 1949
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:252 Resp: 80678

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.2	27.2
125	11.5	10.1	15.1

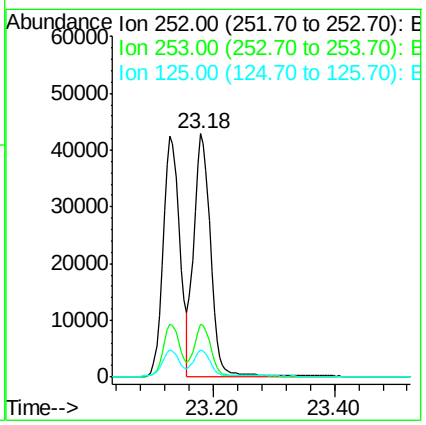


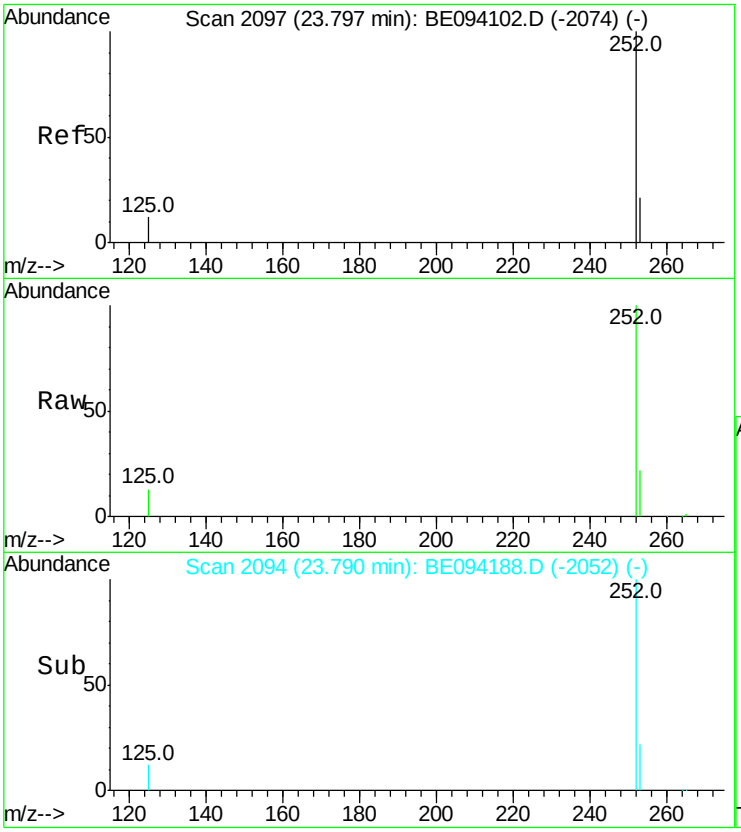


#36
Benzo(k)fluoranthene
Concen: 2.223 ng
RT: 23.18 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:252 Resp: 81558

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.6	27.8
125	11.3	10.7	16.1



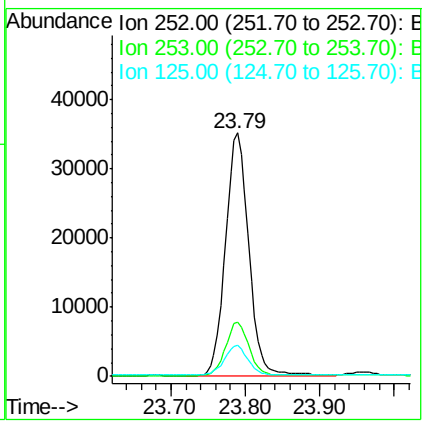


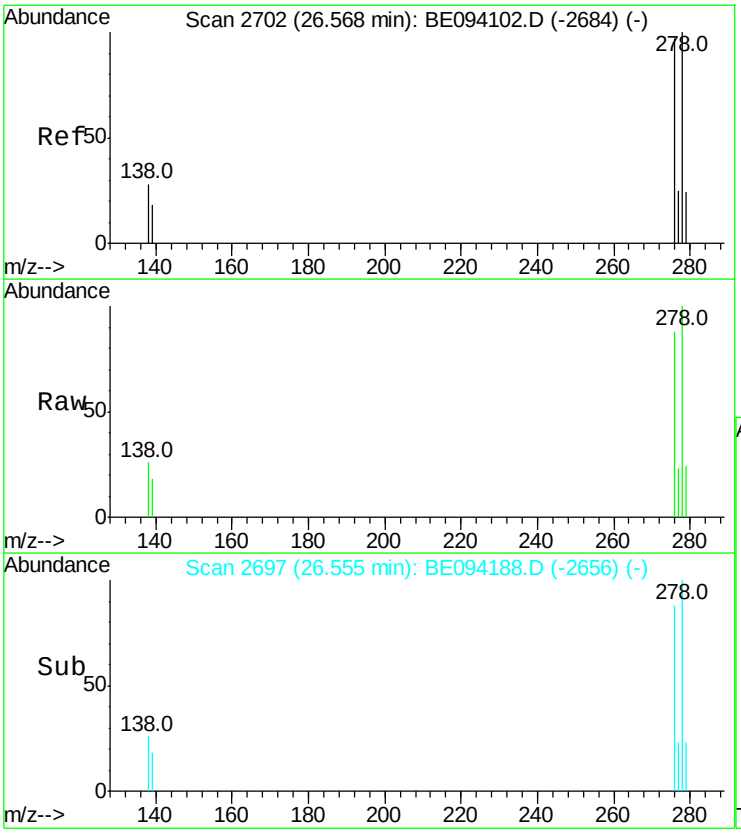
#37
Benzo(a)pyrene
Concen: 2.217 ng
RT: 23.79 min Scan# 2094
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:252 Resp: 75633

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.0	28.6
125	12.6	11.8	17.8

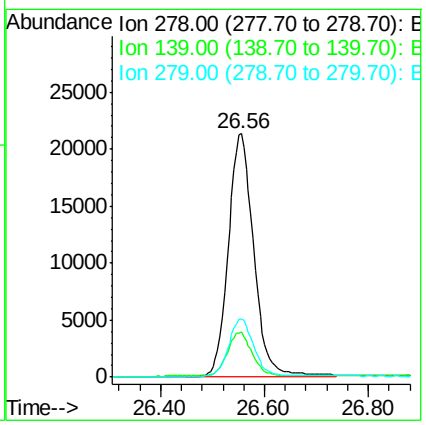


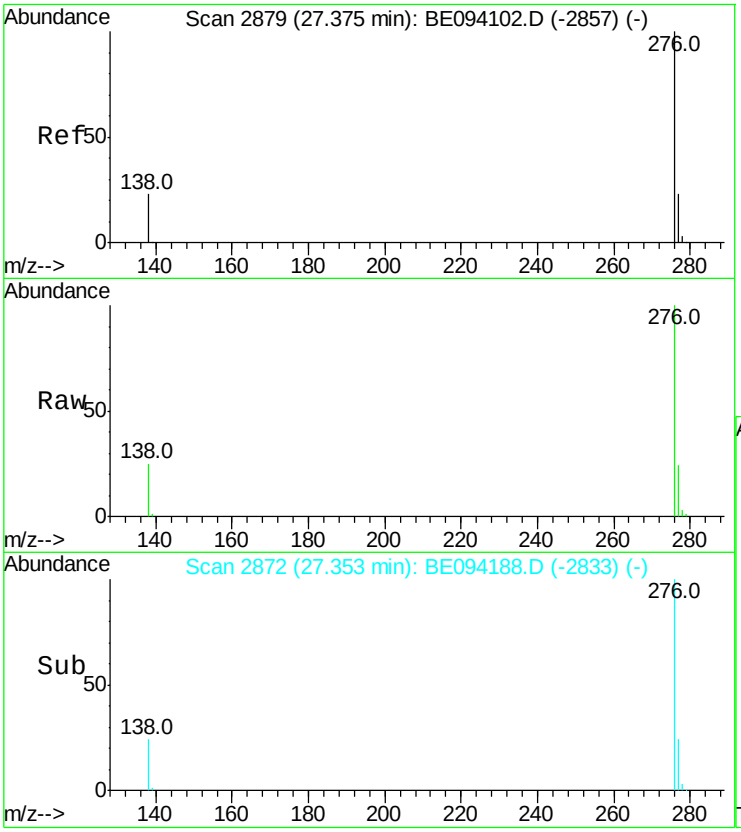


#38
Dibenzo(a,h)anthracene
Concen: 2.281 ng
RT: 26.56 min Scan# 2697
Delta R.T. -0.01 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Tgt Ion:278 Resp: 72151

Ion	Ratio	Lower	Upper
278	100		
139	18.3	16.3	24.5
279	23.7	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 2.194 ng
RT: 27.35 min Scan# 2872
Delta R.T. -0.02 min
Lab File: BE094188.D
Acq: 6 Oct 2017 20:38

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-CMSD

Tgt Ion:276 Resp: 70878

Ion	Ratio	Lower	Upper
276	100		
277	23.8	20.8	31.2
138	24.7	21.5	32.3