Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE100617\
Data File : BE094191.D
Acq On : 6 Oct 2017 22:28
Operator : SJ/JU
Sample : I5571-06MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PAMT-COMP-C-DMS

Quant Time: Oct 07 01:15:23 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	1709	0.40	ng		0.00
7) Naphthalene-d8	10.69	136	8310	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	4844	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	13138	0.40	ng		0.00
27) Chrysene-d12	21.40	240	11240	0.40	ng		0.00
34) Perylene-d12	23.90	264	10147	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.50	112	152572	26.79	ng		0.00
5) Phenol-d6	7.07	99	147042	17.81	ng		-0.01
8) Nitrobenzene-d5	9.05	82	498253	72.01	ng		-0.02
11) 2-Methylnaphthalene-d10	12.22	152	65862	5.14	ng		-0.05
14) 2,4,6-Tribromophenol	16.00	330	151572	71.98	ng		0.00
15) 2-Fluorobiphenyl	13.13	172	965971	58.21	ng		0.00
25) Fluoranthene-d10	19.26	212	190	0.00	ng		0.00
29) Terphenyl-d14	19.85	244	1053268	49.62	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.42	88	27584	8.908	ng	#	79
3) n-Nitrosodimethylamine	3.73	42	41876	12.609	ng	#	92
6) bis(2-Chloroethyl)ether	7.31	93	180709	26.964	ng		92
9) Naphthalene	10.74	128	2305470	24.634	ng		99
10) Hexachlorobutadiene	11.01	225	76410	21.517	ng		98
12) 2-Methylnaphthalene	12.34	142	414768	26.979	ng		99
16) Acenaphthylene	14.23	152	685566	27.948	ng		99
17) Acenaphthene	14.57	154	416107	25.682	ng		99
18) Fluorene	15.55	166	552613	26.037	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	224078	29.599	ng	#	80
21) Hexachlorobenzene	16.55	284	164905	24.247	ng	#	94
22) Pentachlorophenol	16.91	266	72565	39.375	ng	#	72
23) Phenanthrene	17.27	178	1240132	27.234	ng		99
24) Anthracene	17.37	178	1050171	30.249	ng		99
26) Fluoranthene	19.29	202	1036692	25.965	ng		99
28) Pyrene	19.65	202	1069432	27.661	ng		99
30) Benzo(a)anthracene	21.38	228	1012793	27.421	ng		98
31) Chrysene	21.44	228	950896	26.096	ng		98
32) Bis(2-ethylhexyl)phthalate	21.29	149	2651002	31.166	ng		100
33) Indeno(1,2,3-cd)pyrene	26.55	276	1029284	28.451	ng		99
35) Benzo(b)fluoranthene	23.14	252	930899	27.274	ng		98
36) Benzo(k)fluoranthene	23.19	252	954711	27.519	ng		97
37) Benzo(a)pyrene	23.79	252	904437	28.040	ng		96
38) Dibenzo(a,h)anthracene	26.57	278	873747	29.216	ng		96
39) Benzo(g,h,i)perylene	27.38	276	850495	27.840	ng		95

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

Quantitation Report (Not Reviewed)

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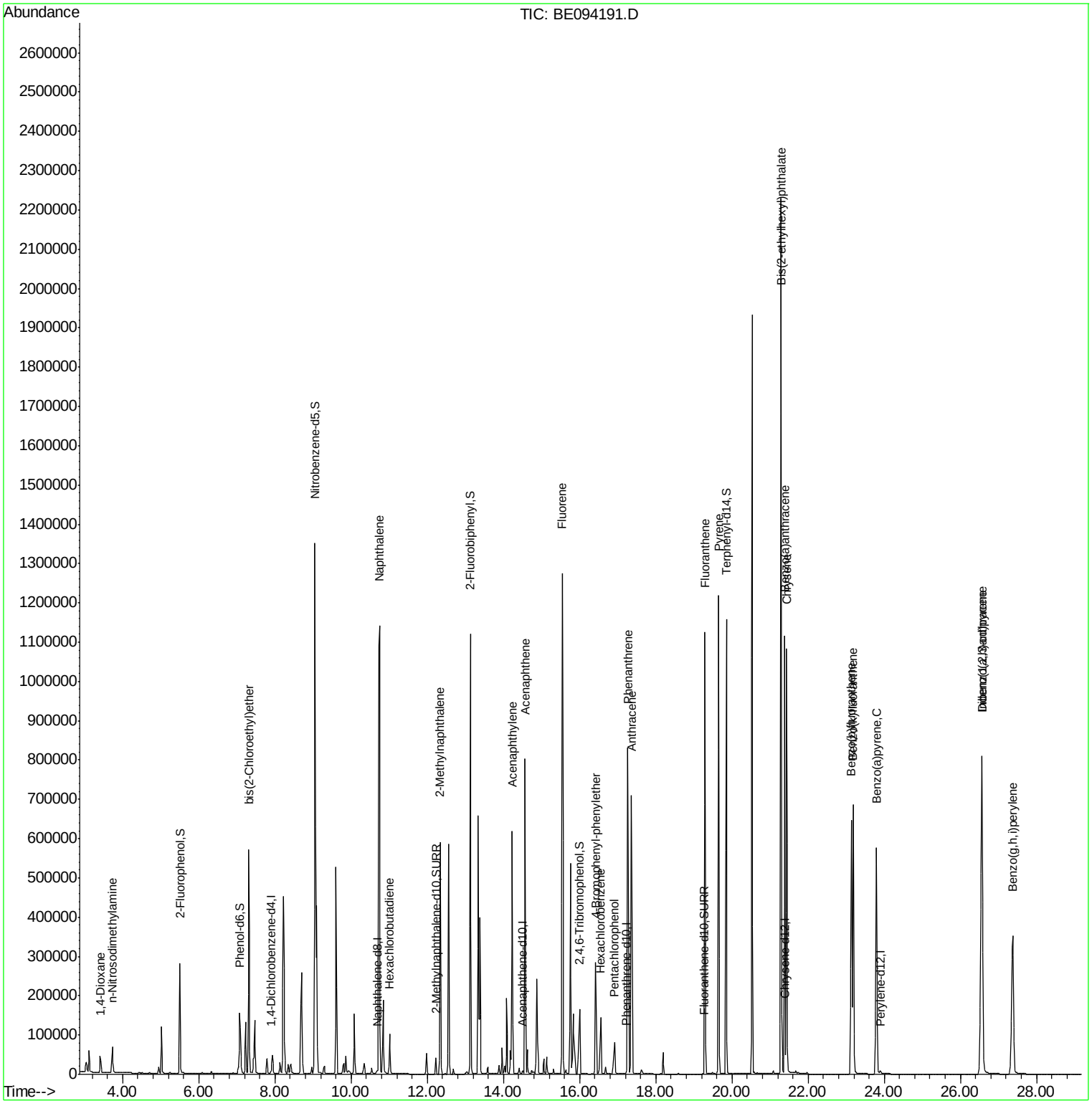
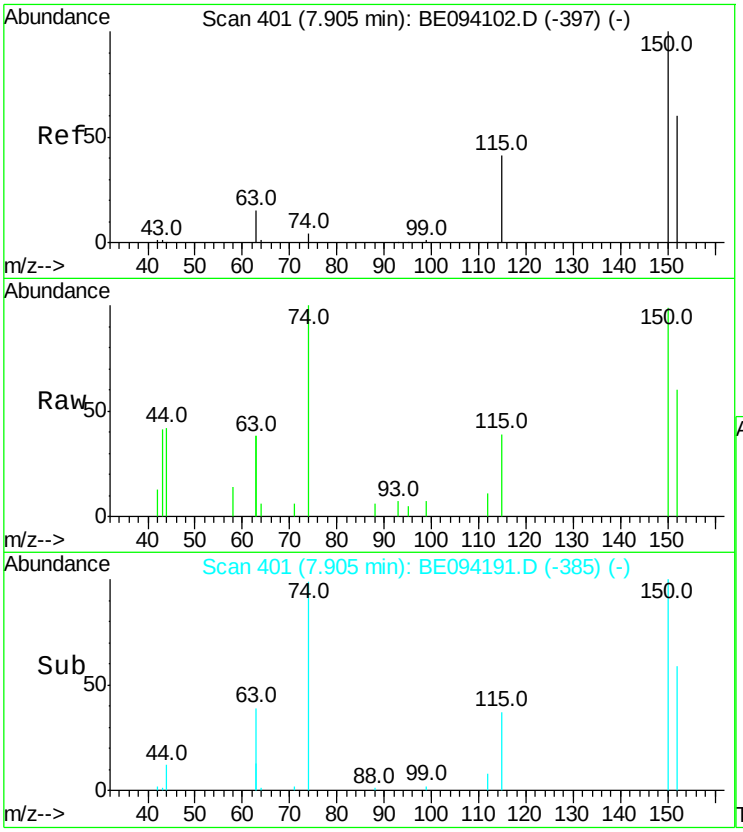
Acq On : 6 Oct 2017 22:28
Operator : SJ/JU
Sample : I5571-06MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Quant Time: Oct 07 01:15:23 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



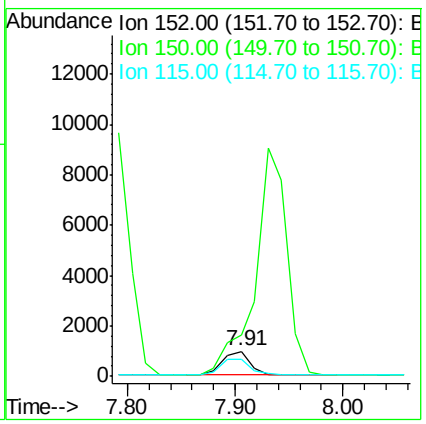


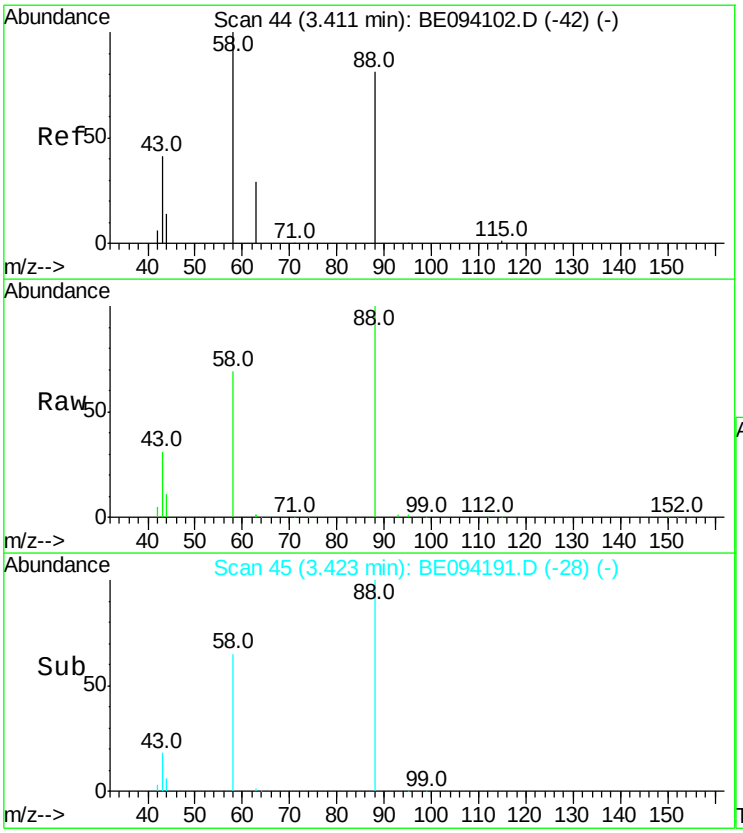
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.91 min Scan# 401
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:152 Resp: 1709

Ion	Ratio	Lower	Upper
152	100		
150	165.0	117.2	175.8
115	65.8	57.0	85.6

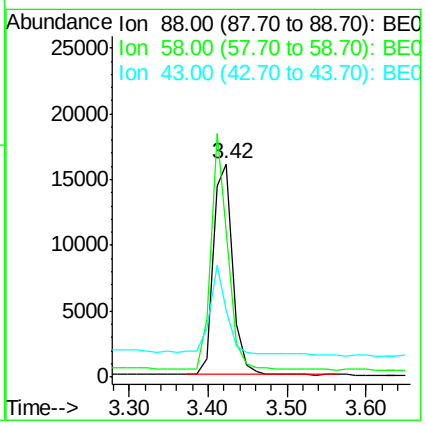


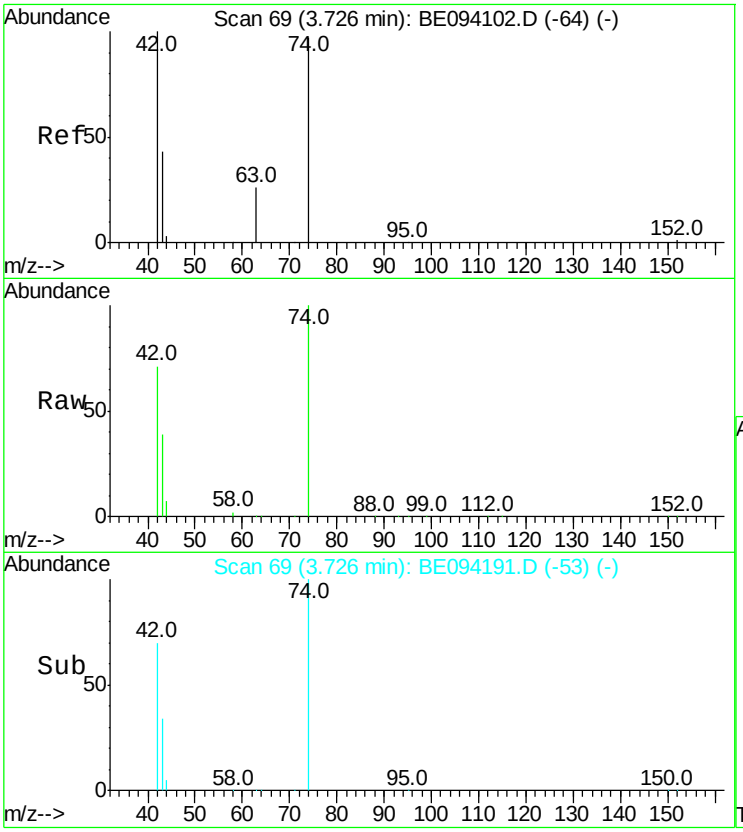


#2
1,4-Dioxane
Concen: 8.908 ng
RT: 3.42 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion: 88 Resp: 27584

Ion	Ratio	Lower	Upper
88	100		
58	97.0	63.2	94.8#
43	36.7	41.2	61.8#

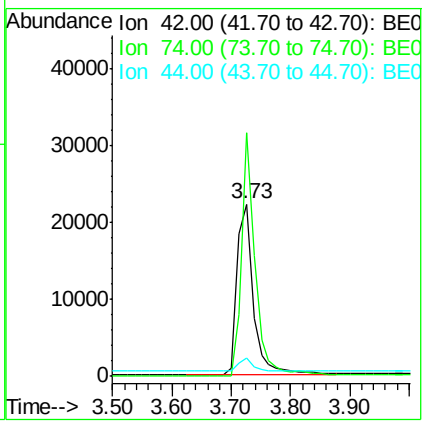




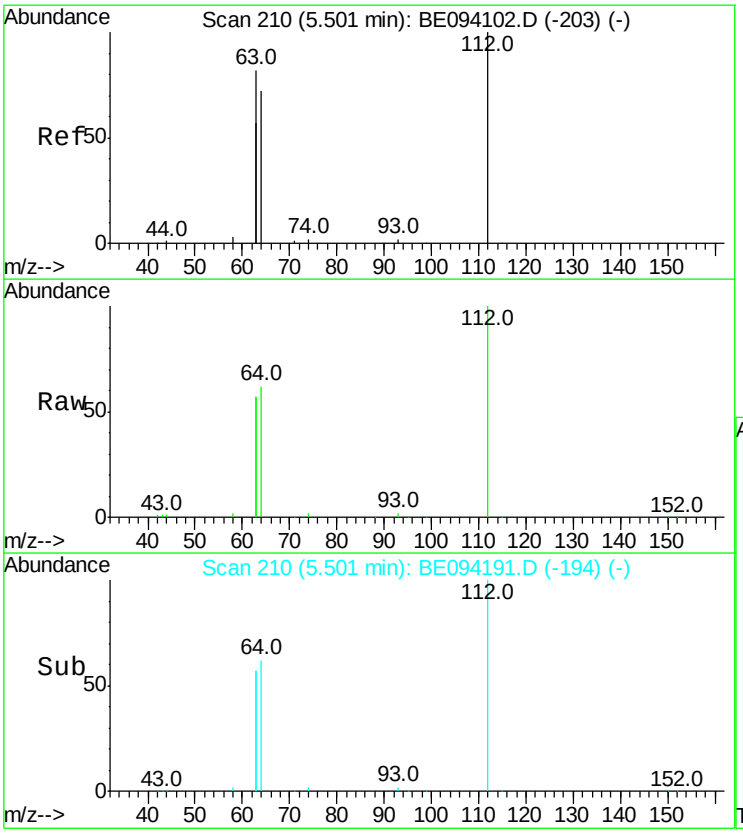
#3
n-Nitrosodimethylamine
Concen: 12.609 ng
RT: 3.73 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion: 42 Resp: 41876

Ion	Ratio	Lower	Upper
42	100		
74	119.8	100.3	150.5
44	7.3	17.0	25.4#



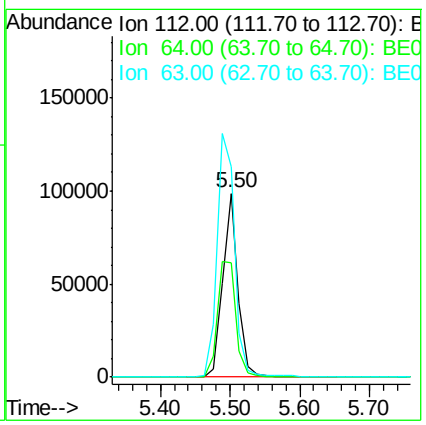
Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

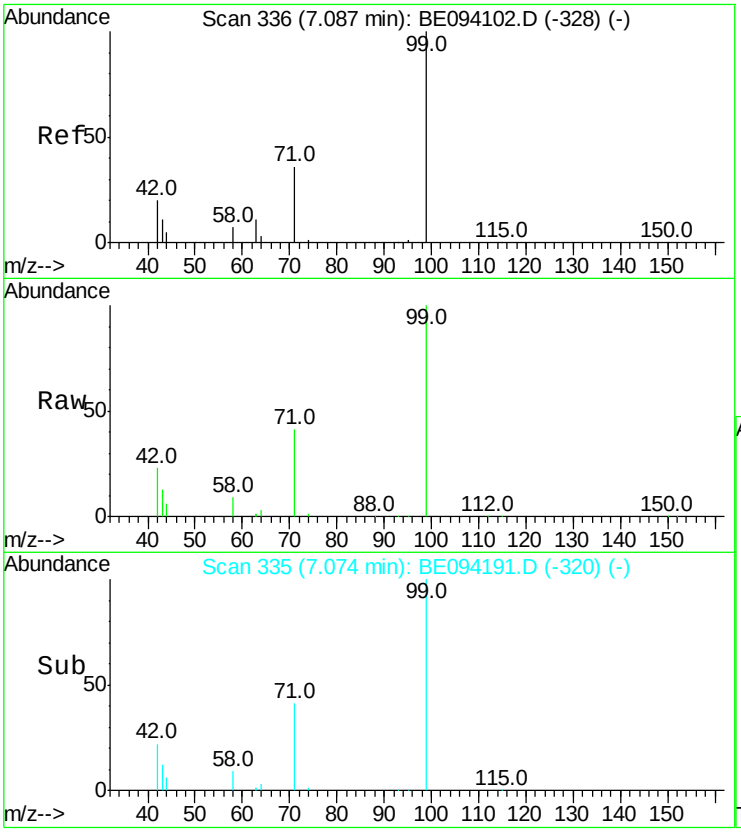


#4
2-Fluorophenol
Concen: 26.790 ng
RT: 5.50 min Scan# 210
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:112 Resp: 152572

Ion	Ratio	Lower	Upper
112	100		
64	76.0	60.1	90.1
63	150.5	116.8	175.2



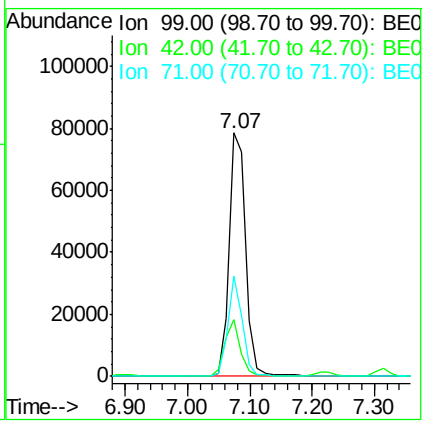


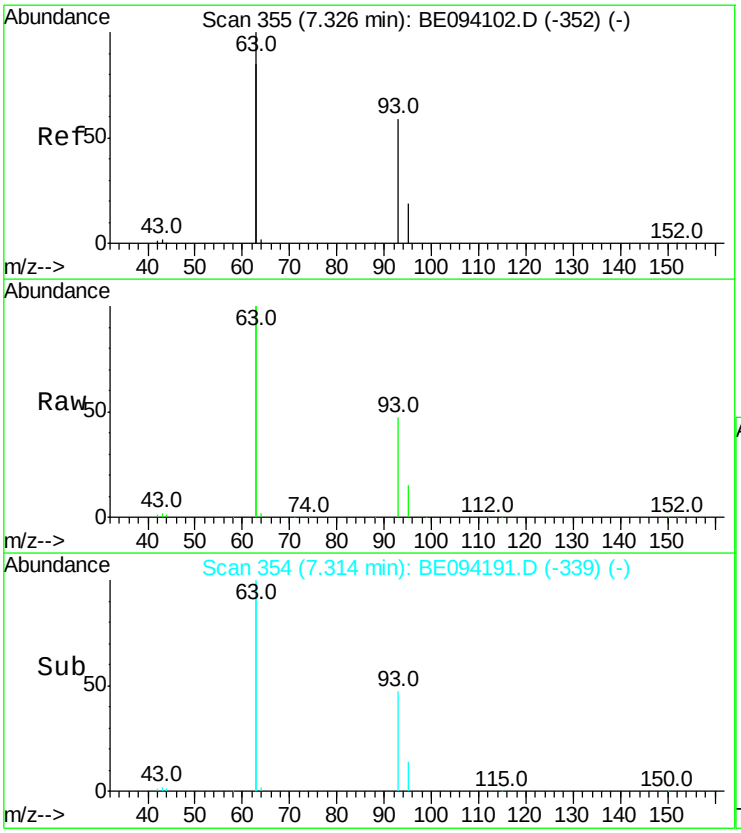
#5
Phenol-d6
Concen: 17.810 ng
RT: 7.07 min Scan# 335
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion: 99 Resp: 147042

Ion	Ratio	Lower	Upper
99	100		
42	21.4	20.2	30.2
71	36.0	28.4	42.6

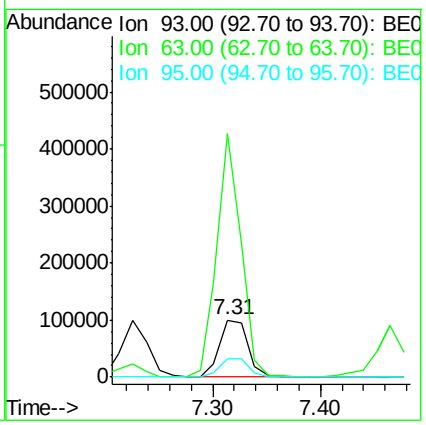


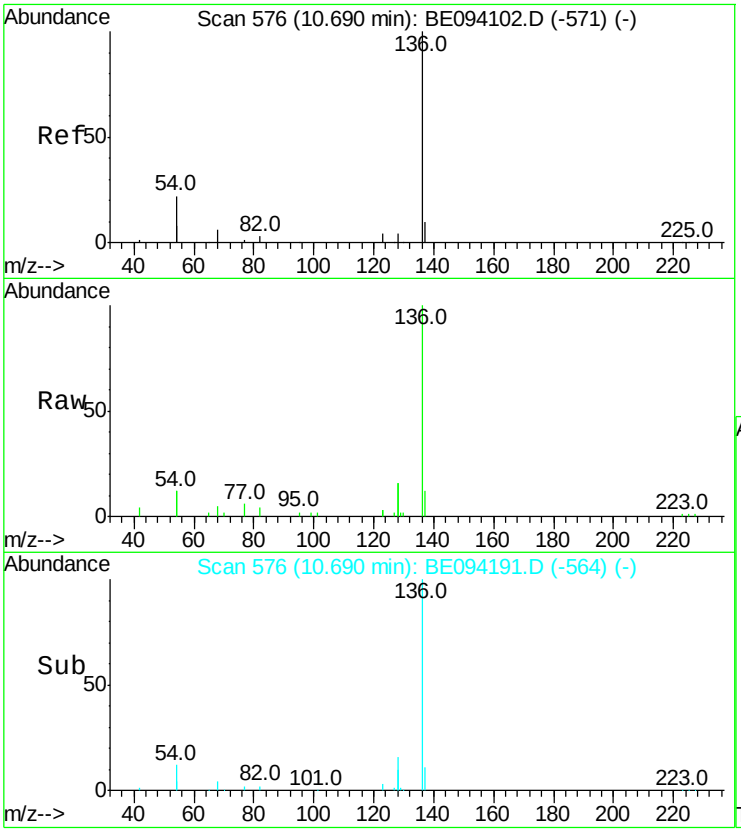


#6
bis(2-Chloroethyl)ether
Concen: 26.964 ng
RT: 7.31 min Scan# 354
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion: 93 Resp: 180709

Ion	Ratio	Lower	Upper
93	100		
63	363.7	275.3	412.9
95	32.2	25.2	37.8



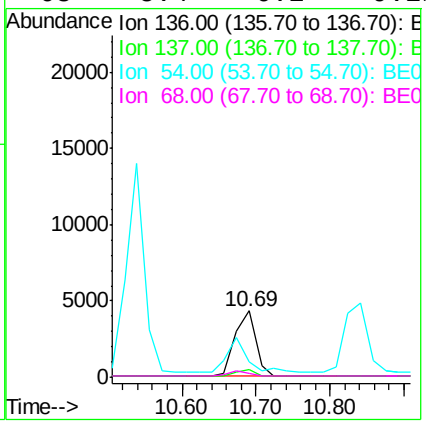


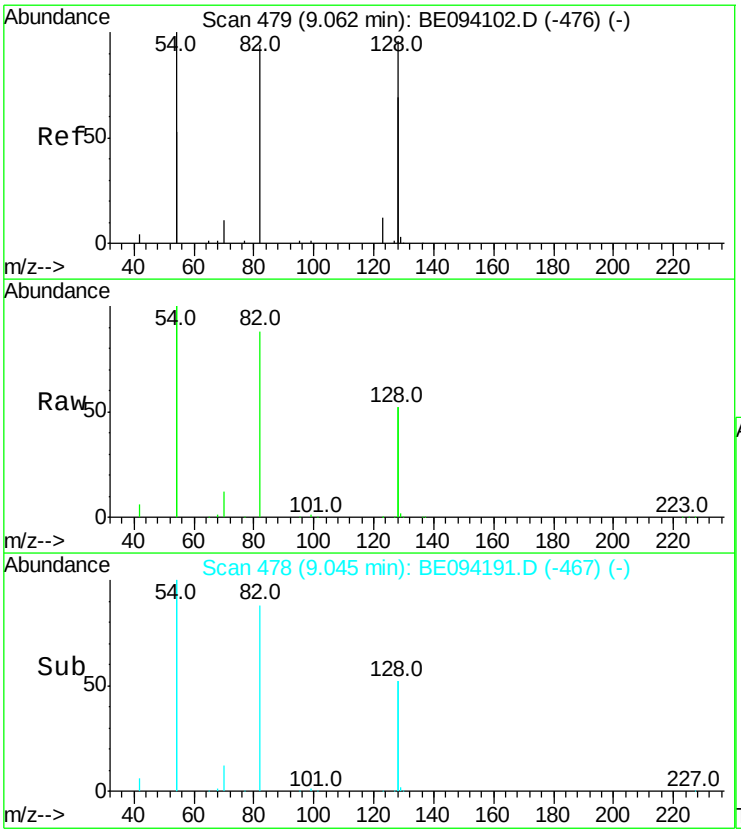
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 576
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:136 Resp: 8310

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	23.4	29.1	43.7#
68	5.4	6.2	9.2#

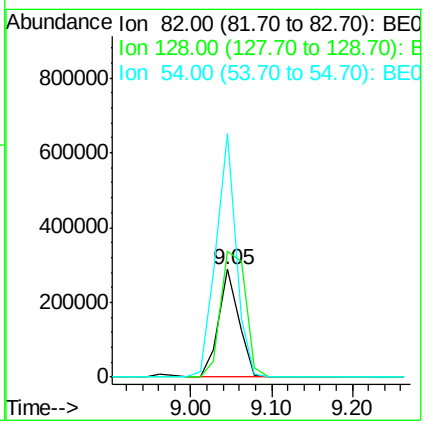


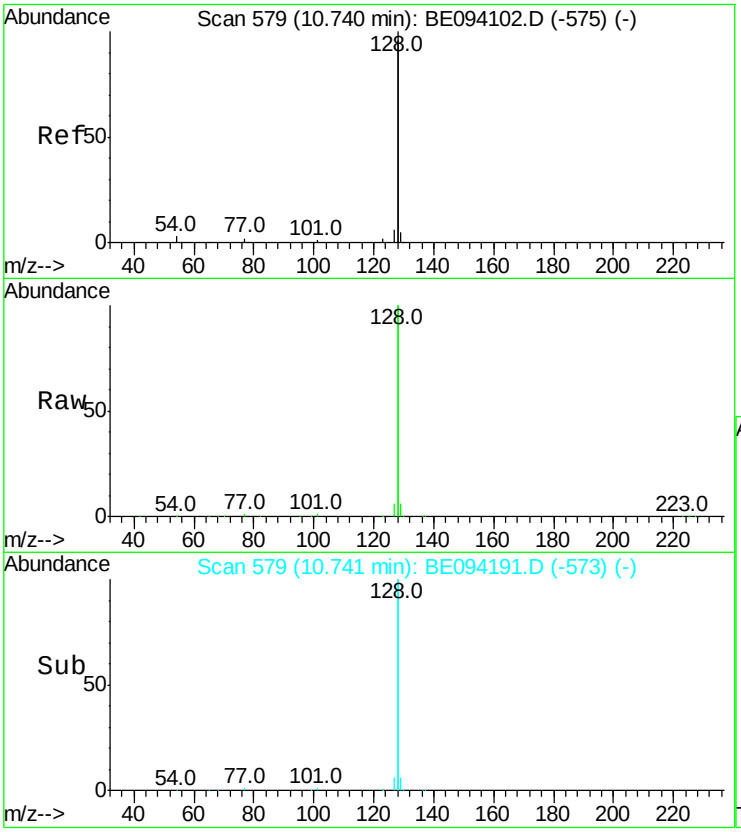


#8
Nitrobenzene-d5
Concen: 72.014 ng
RT: 9.05 min Scan# 478
Delta R.T. -0.02 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion: 82 Resp: 498253

Ion	Ratio	Lower	Upper
82	100		
128	117.4	150.0	225.0#
54	226.2	154.2	231.4



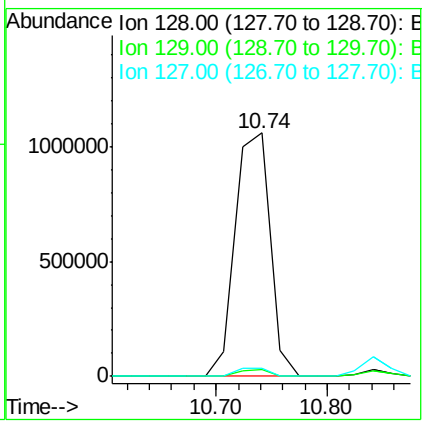


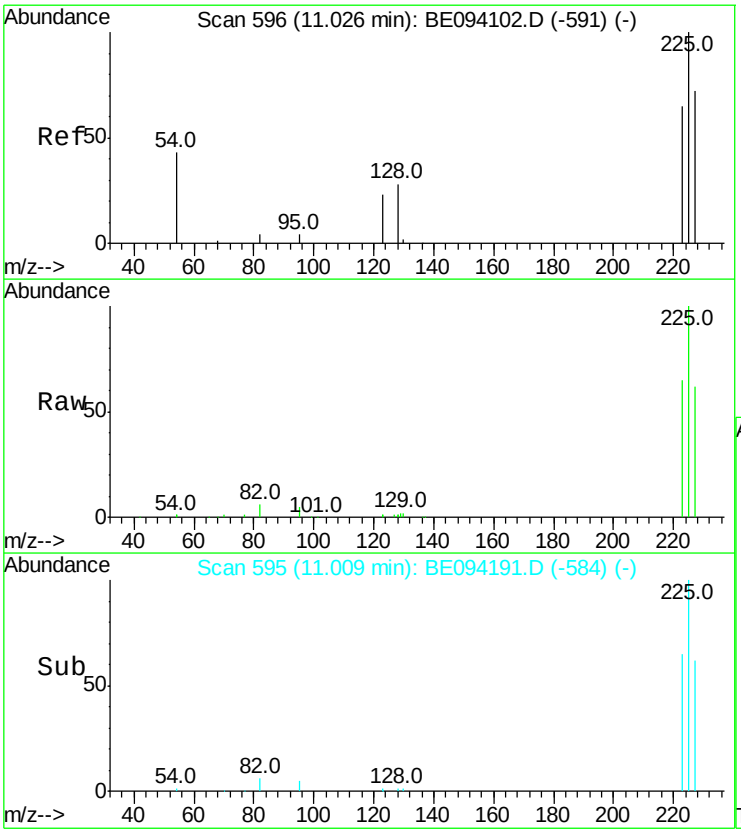
#9
Naphthalene
Concen: 24.634 ng
RT: 10.74 min Scan# 579
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:128 Resp: 2305470

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

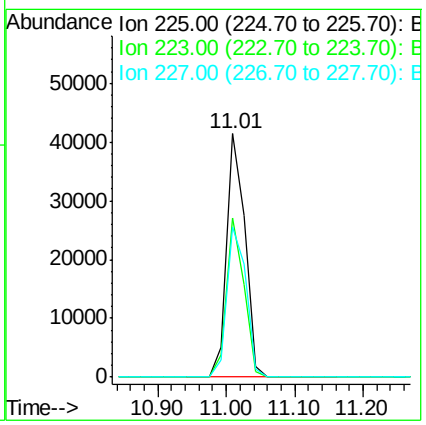


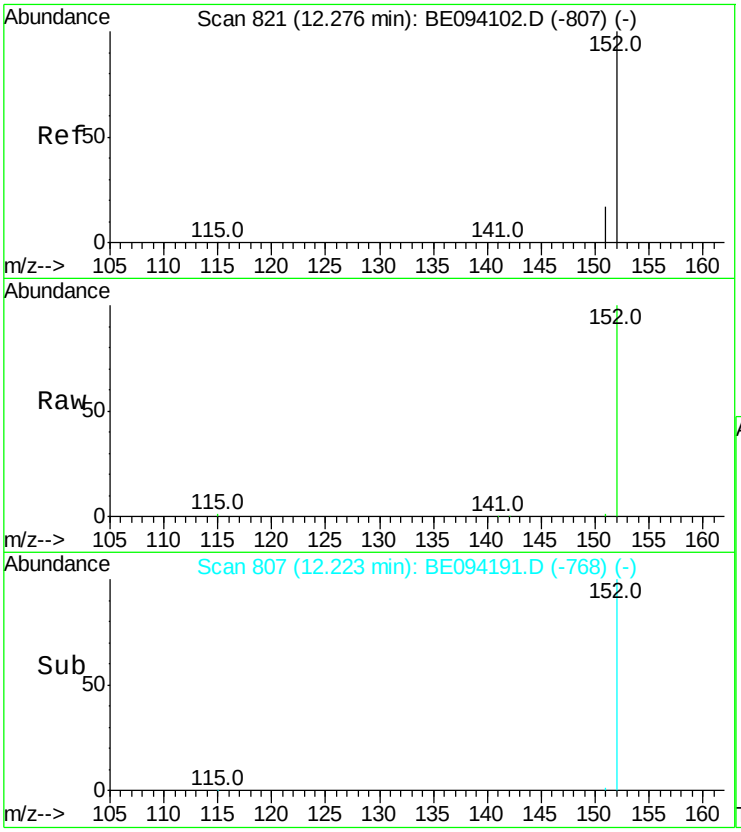


#10
Hexachlorobutadiene
Concen: 21.517 ng
RT: 11.01 min Scan# 595
Delta R.T. -0.02 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:225 Resp: 76410

Ion	Ratio	Lower	Upper
225	100		
223	62.5	53.0	79.6
227	64.3	51.4	77.2



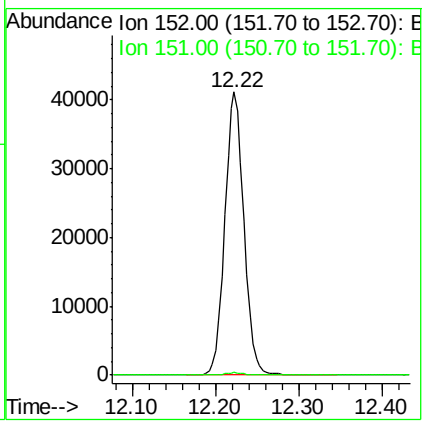


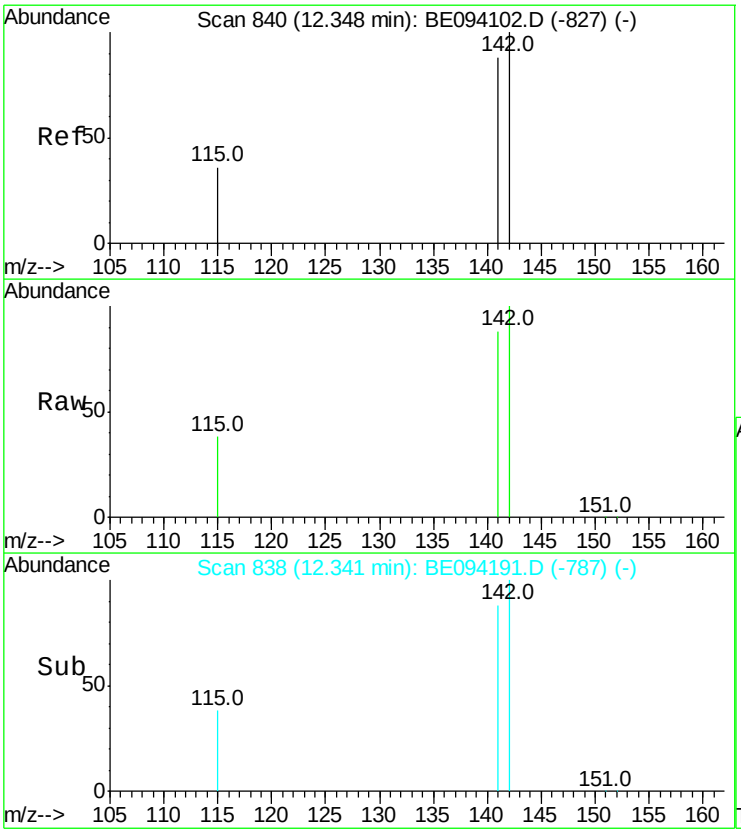
#11
2-Methylnaphthalene-d10
Concen: 5.143 ng
RT: 12.22 min Scan# 807
Delta R.T. -0.05 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:152 Resp: 65862

Ion	Ratio	Lower	Upper
152	100		
151	0.8	15.4	23.0#

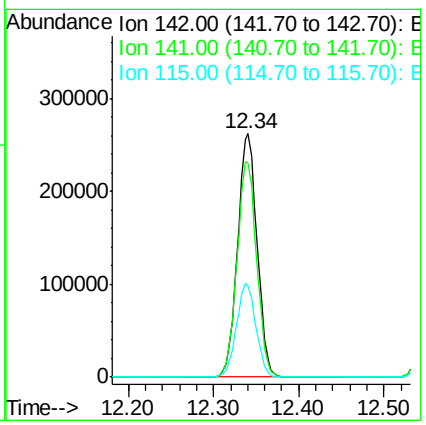


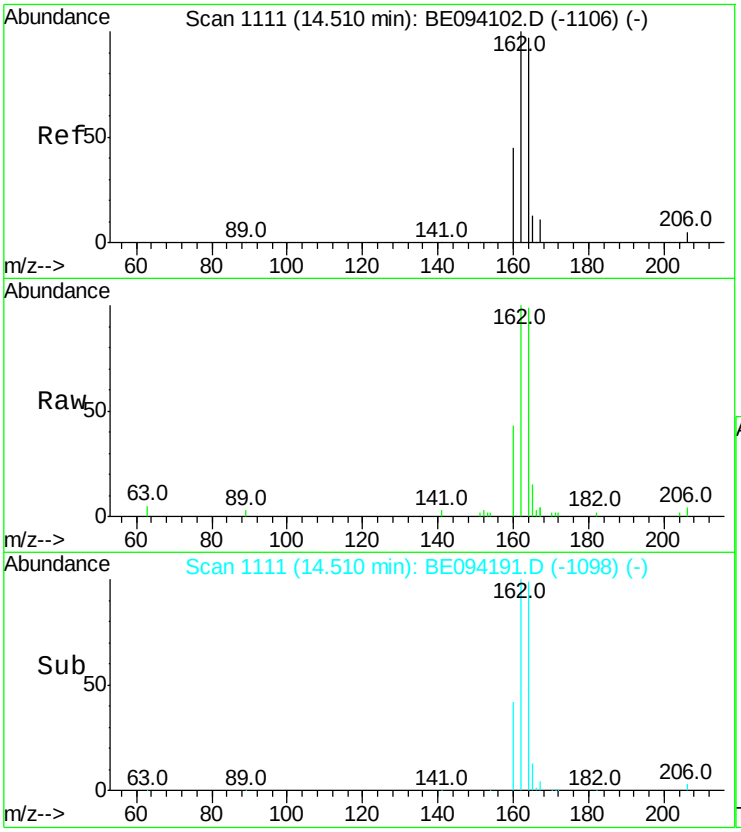


#12
2-Methylnaphthalene
Concen: 26.979 ng
RT: 12.34 min Scan# 838
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:142 Resp: 414768

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	37.6	31.7	47.5



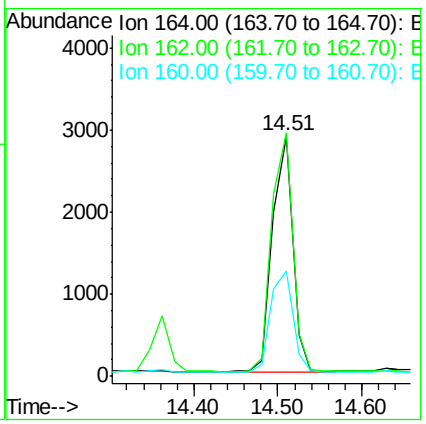


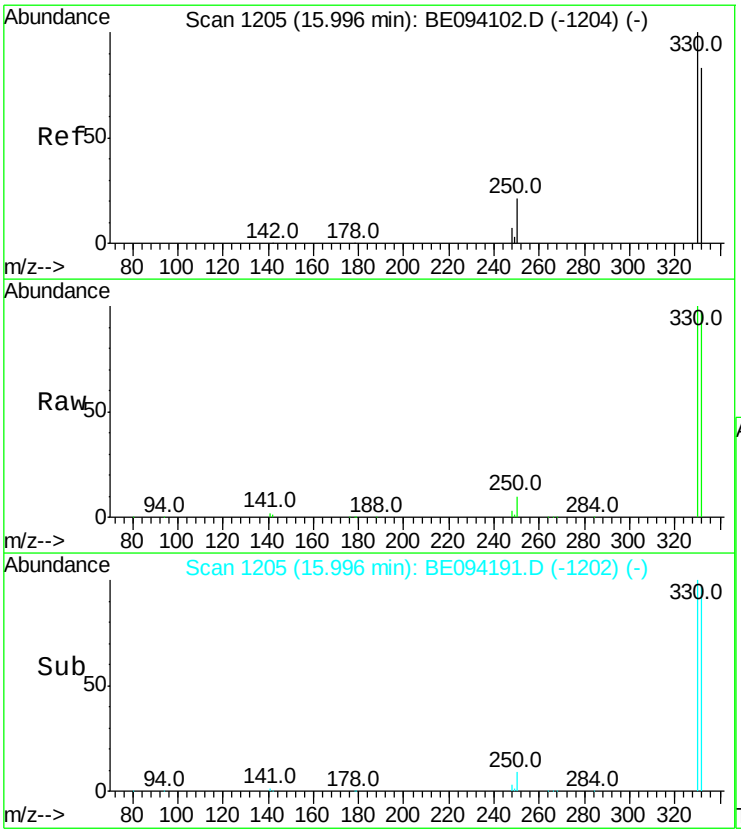
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 1111
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:164 Resp: 4844

Ion	Ratio	Lower	Upper
164	100		
162	101.3	83.1	124.7
160	44.0	37.1	55.7

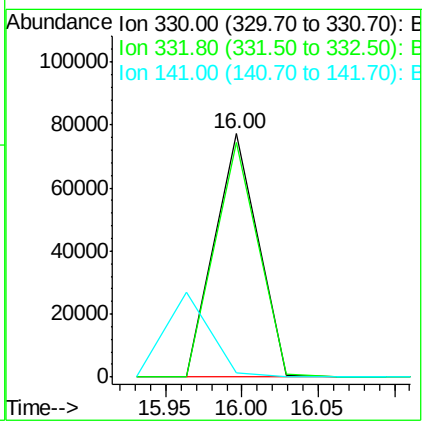


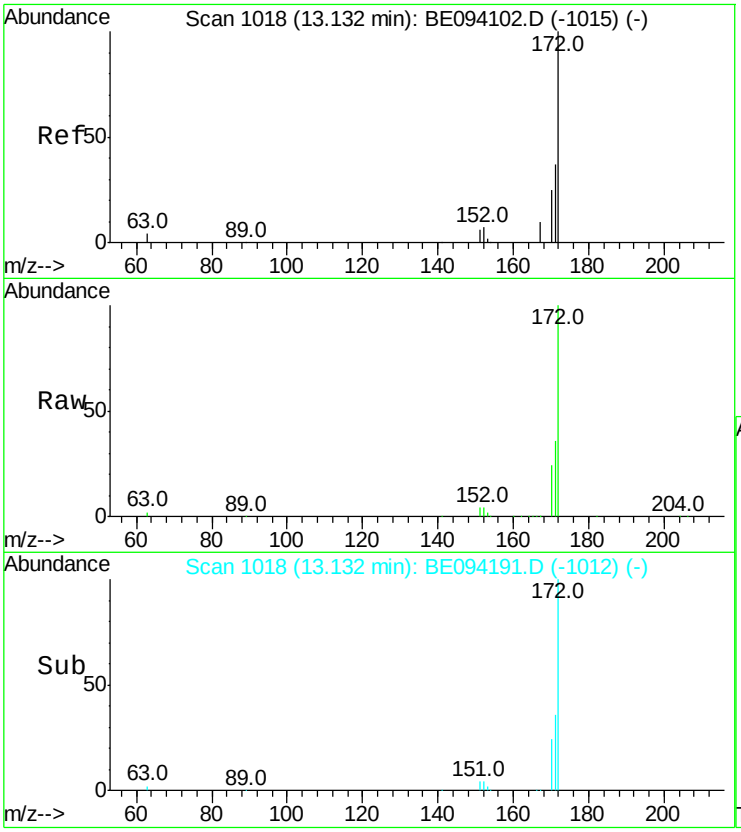


#14
2,4,6-Tribromophenol
Concen: 71.978 ng
RT: 16.00 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:330 Resp: 151572

Ion	Ratio	Lower	Upper
330	100		
332	97.2	152.7	229.1#
141	0.0	33.7	50.5#



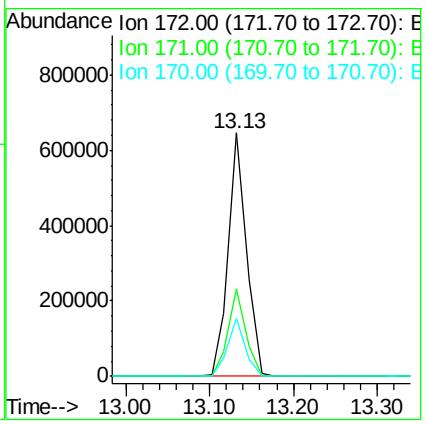


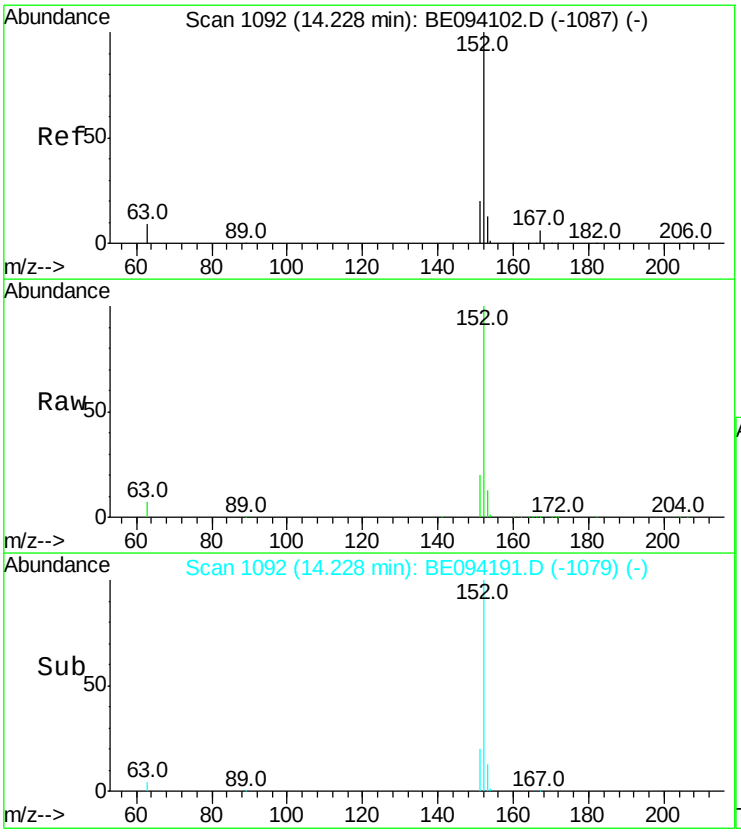
#15
2-Fluorobiphenyl
Concen: 58.212 ng
RT: 13.13 min Scan# 1018
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:172 Resp: 965971

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.9	44.9
170	24.0	21.8	32.8

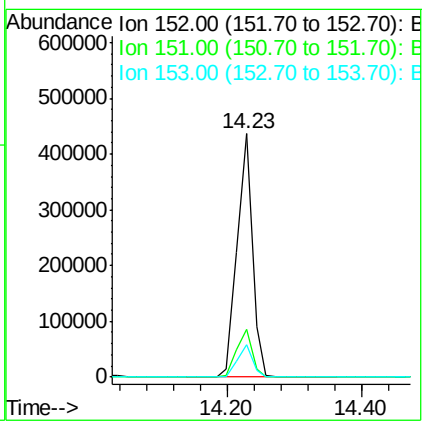


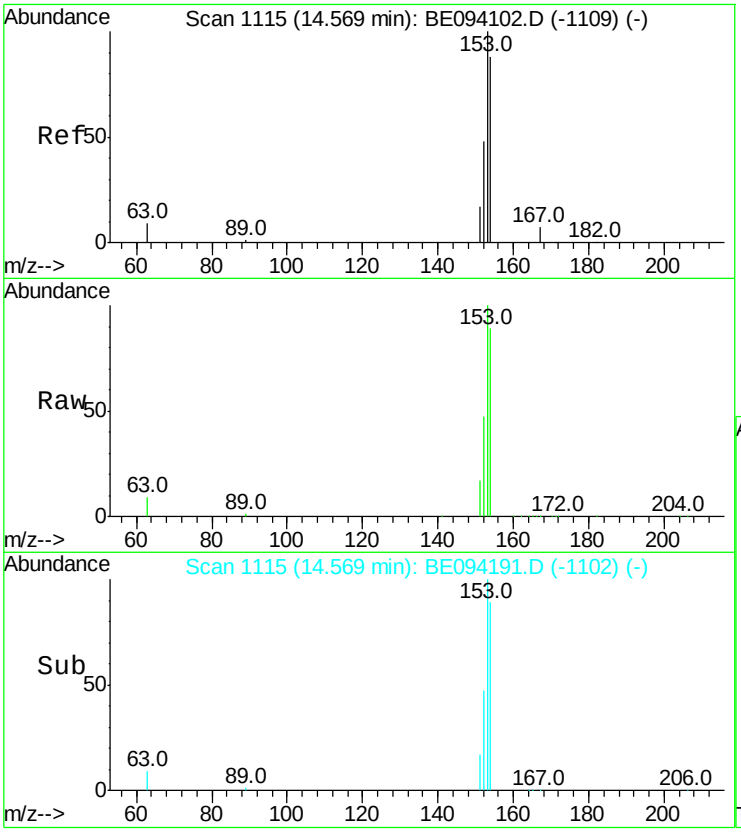


#16
Acenaphthylene
Concen: 27.948 ng
RT: 14.23 min Scan# 1092
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:152 Resp: 685566

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.7	23.5
153	13.2	10.5	15.7



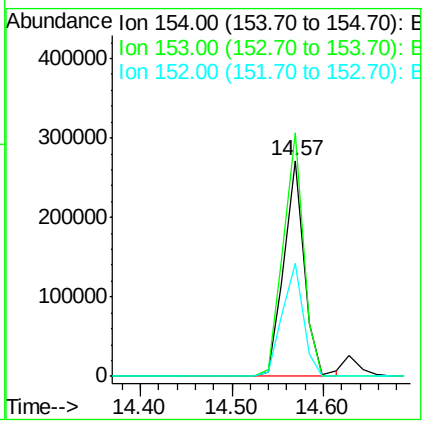


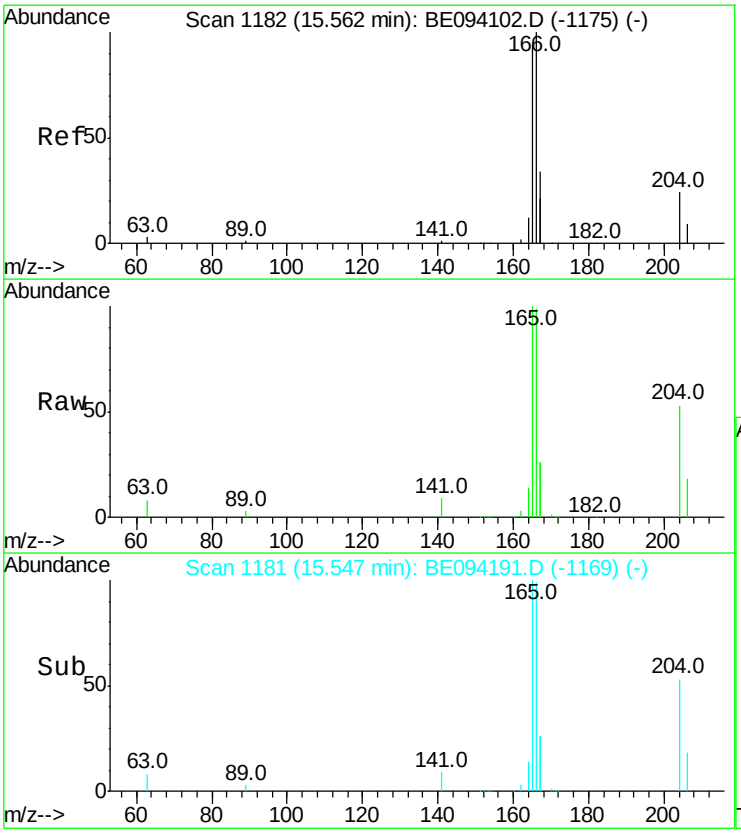
#17
Acenaphthene
Concen: 25.682 ng
RT: 14.57 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:154 Resp: 416107

Ion	Ratio	Lower	Upper
154	100		
153	112.5	89.2	133.8
152	53.4	42.0	63.0

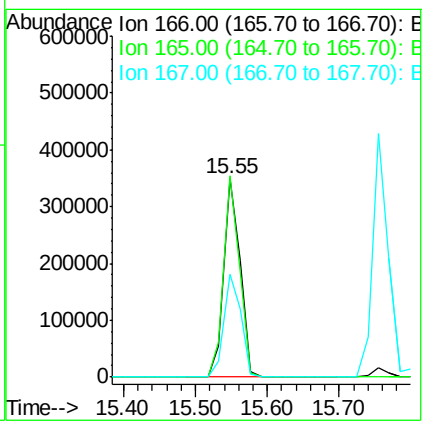


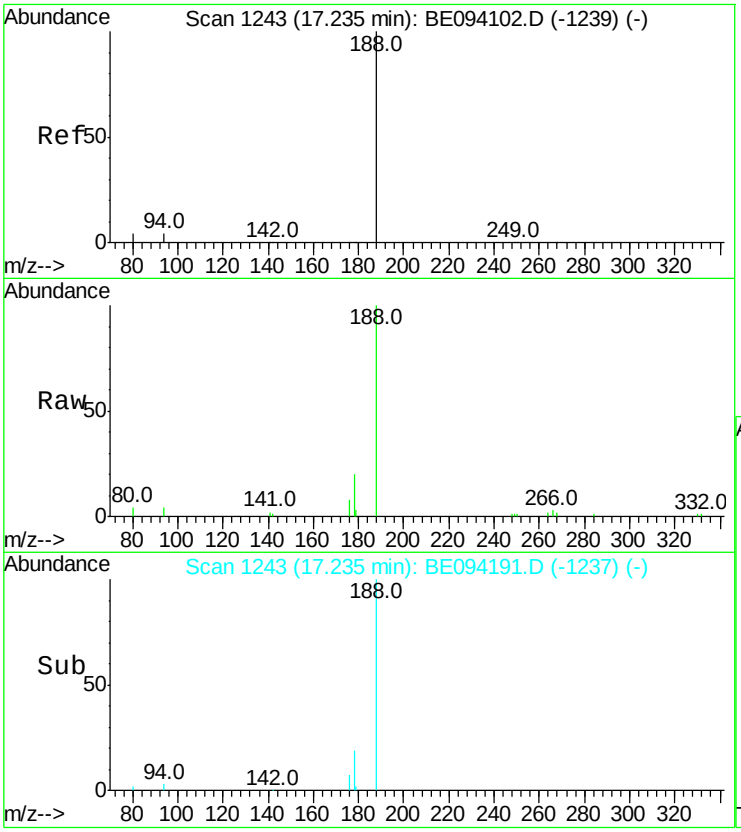


#18
Fluorene
Concen: 26.037 ng
RT: 15.55 min Scan# 1181
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:166 Resp: 552613

Ion	Ratio	Lower	Upper
166	100		
165	98.3	77.8	116.6
167	54.2	42.4	63.6



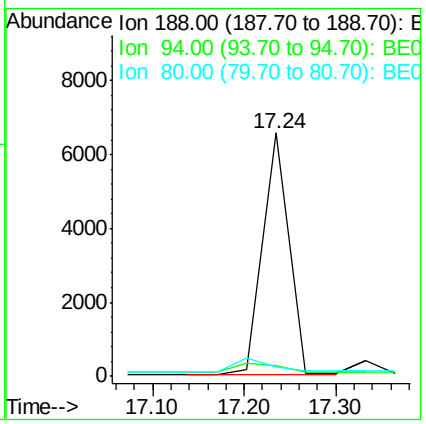


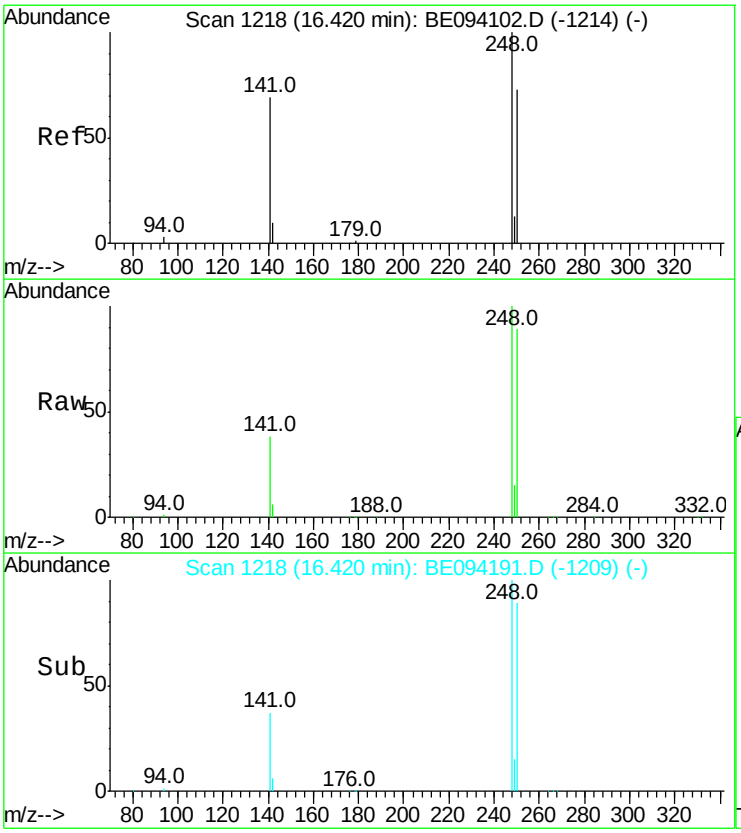
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1243
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:188 Resp: 13138

Ion	Ratio	Lower	Upper
188	100		
94	4.3	3.9	5.9
80	4.1	3.6	5.4

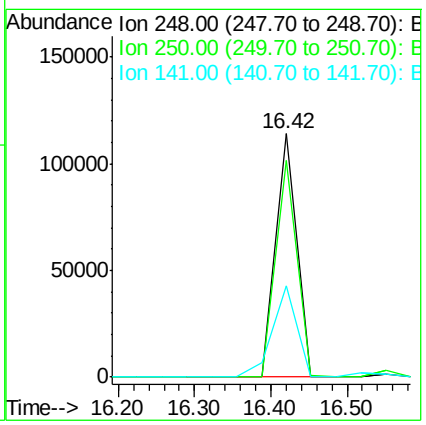


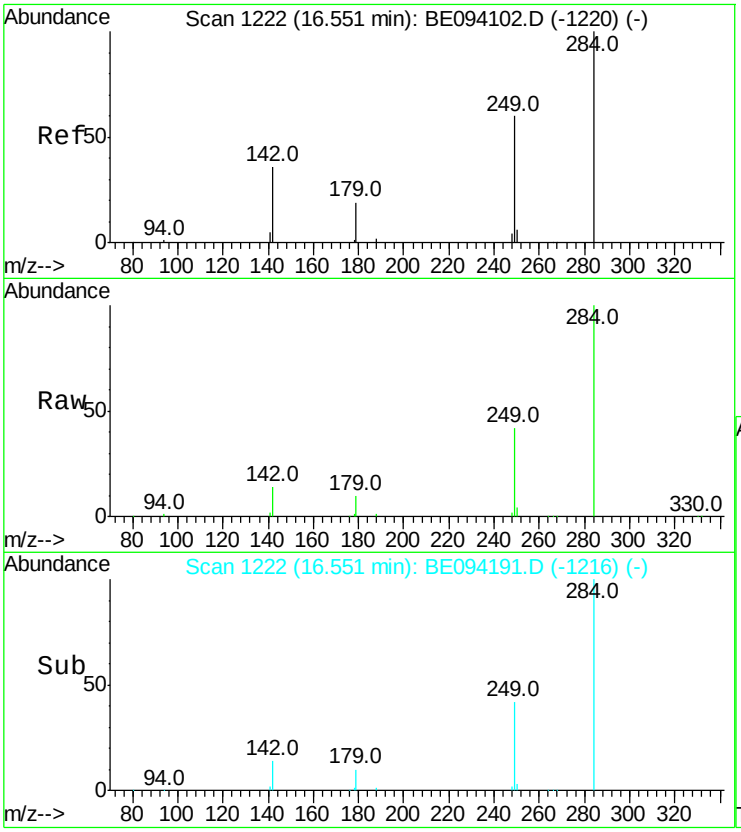


#20
4-Bromophenyl-phenylether
Concen: 29.599 ng
RT: 16.42 min Scan# 1218
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:248 Resp: 224078

Ion	Ratio	Lower	Upper
248	100		
250	89.3	62.7	94.1
141	37.6	48.2	72.2#



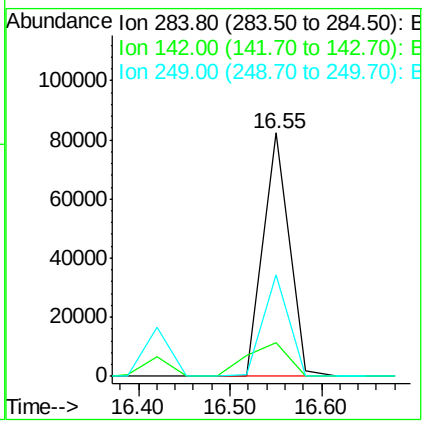


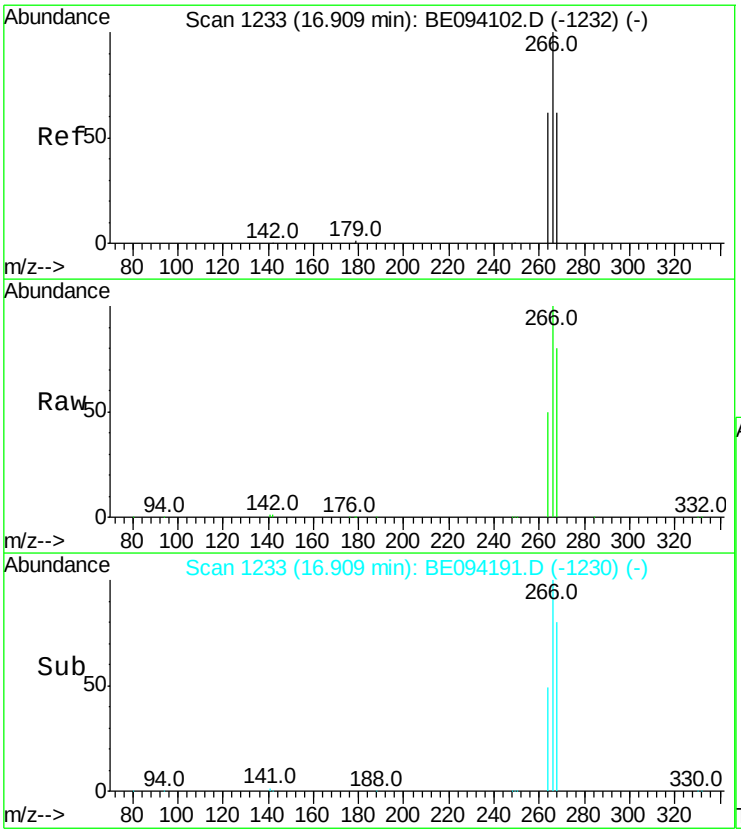
#21
Hexachlorobenzene
Concen: 24.247 ng
RT: 16.55 min Scan# 1222
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:284 Resp: 164905

Ion	Ratio	Lower	Upper
284	100		
142	21.9	22.1	33.1#
249	41.3	34.8	52.2

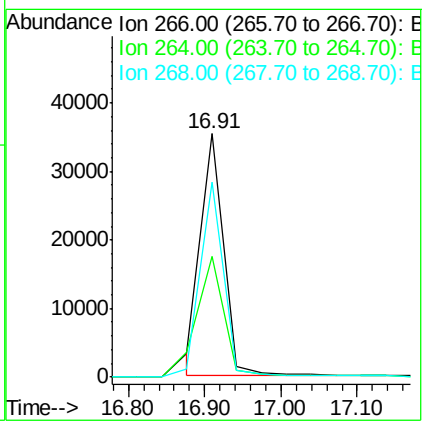


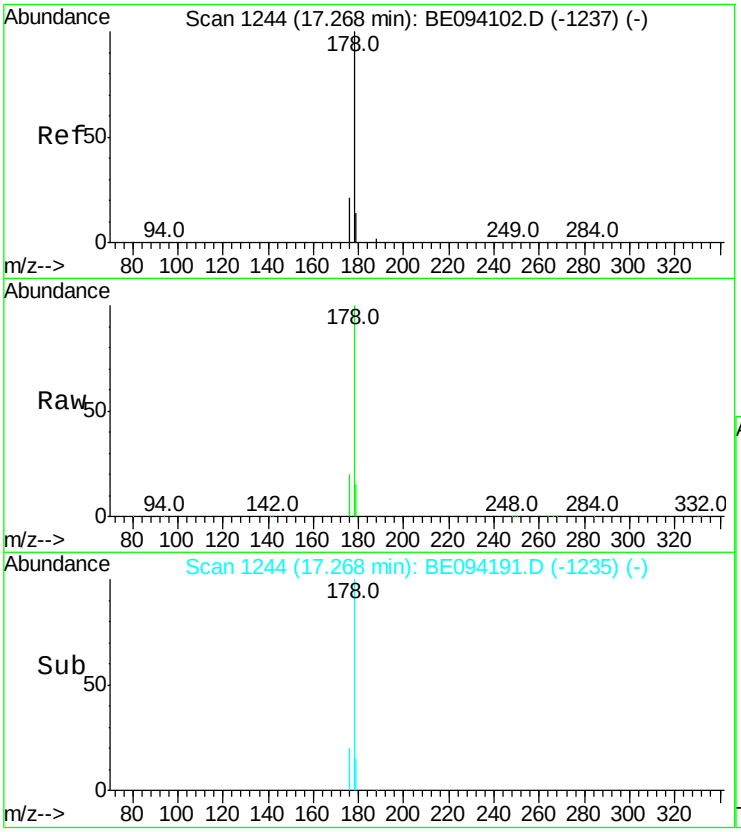


#22
Pentachlorophenol
Concen: 39.375 ng
RT: 16.91 min Scan# 1233
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:266 Resp: 72565

Ion	Ratio	Lower	Upper
266	100		
264	49.5	72.5	108.7#
268	79.9	73.8	110.6



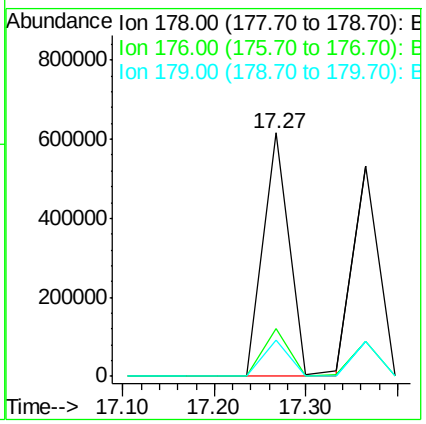


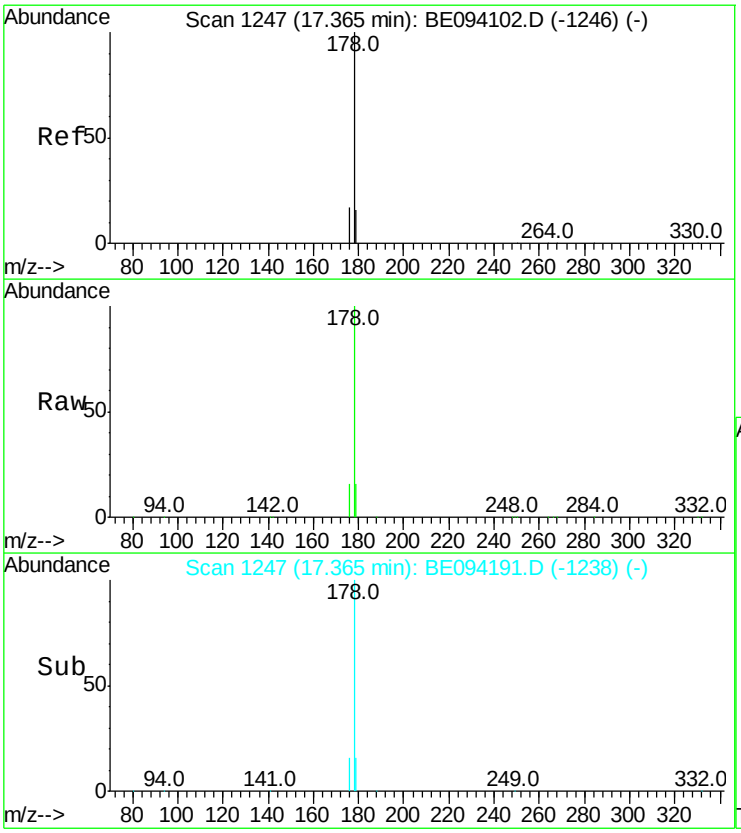
#23
Phenanthrene
Concen: 27.234 ng
RT: 17.27 min Scan# 1244
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:178 Resp: 1240132

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.1	22.7
179	14.7	11.8	17.6

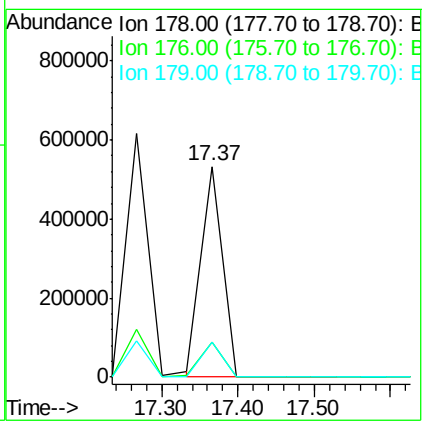


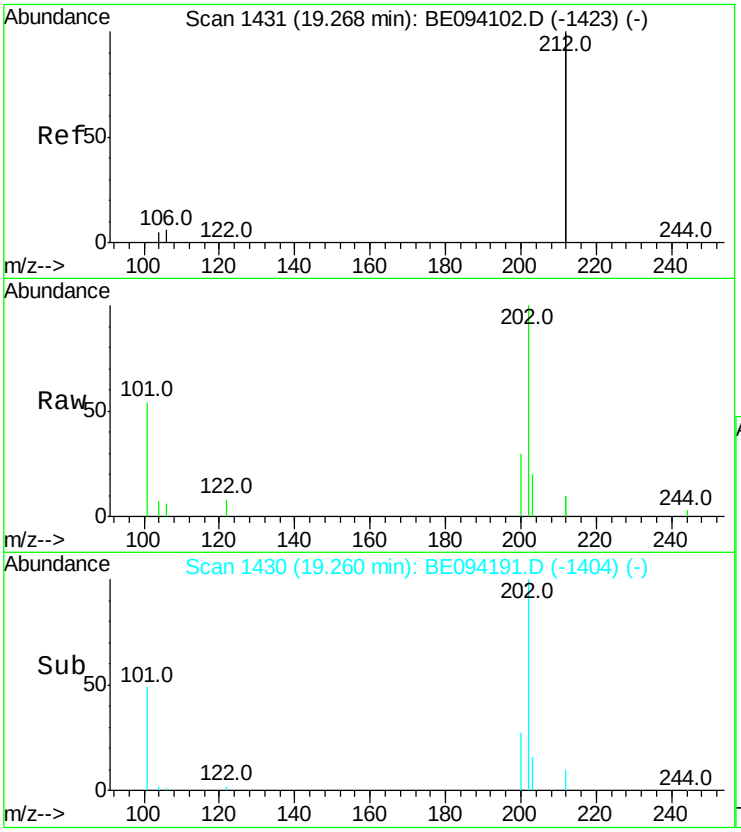


#24
Anthracene
Concen: 30.249 ng
RT: 17.37 min Scan# 1247
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:178 Resp: 1050171

Ion	Ratio	Lower	Upper
178	100		
176	16.3	12.8	19.2
179	16.5	13.0	19.6



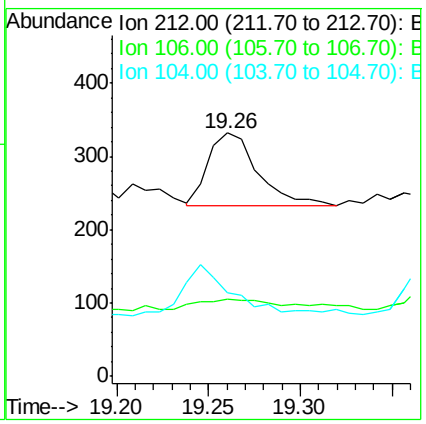


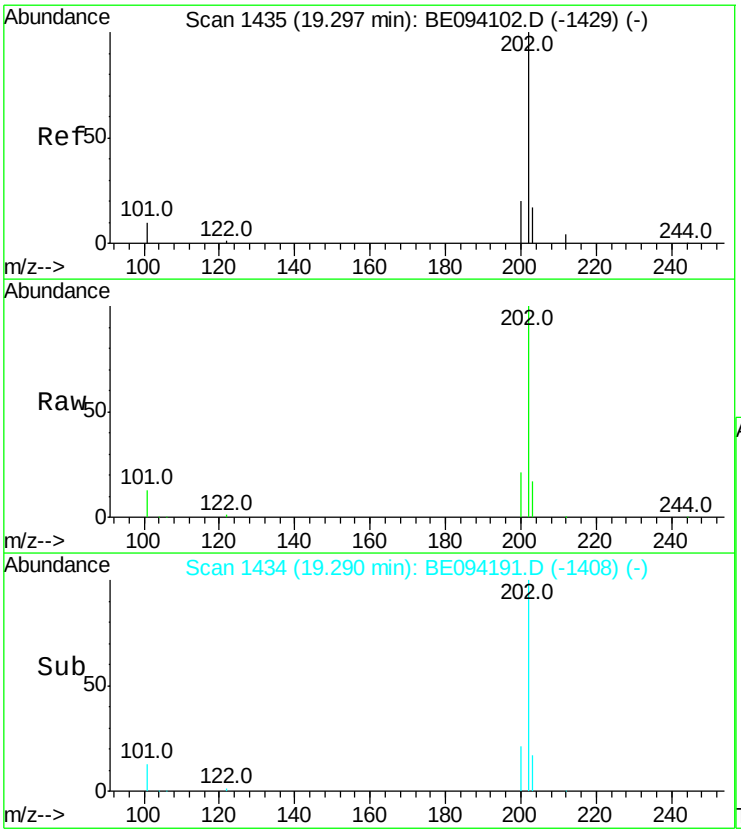
#25
Fluoranthene-d10
Concen: 0.001 ng
RT: 19.26 min Scan# 1430
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:212 Resp: 190

Ion	Ratio	Lower	Upper
212	100		
106	35.3	2.8	4.2#
104	78.9	1.6	2.4#

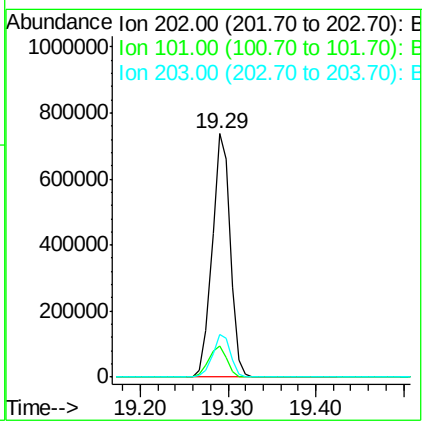


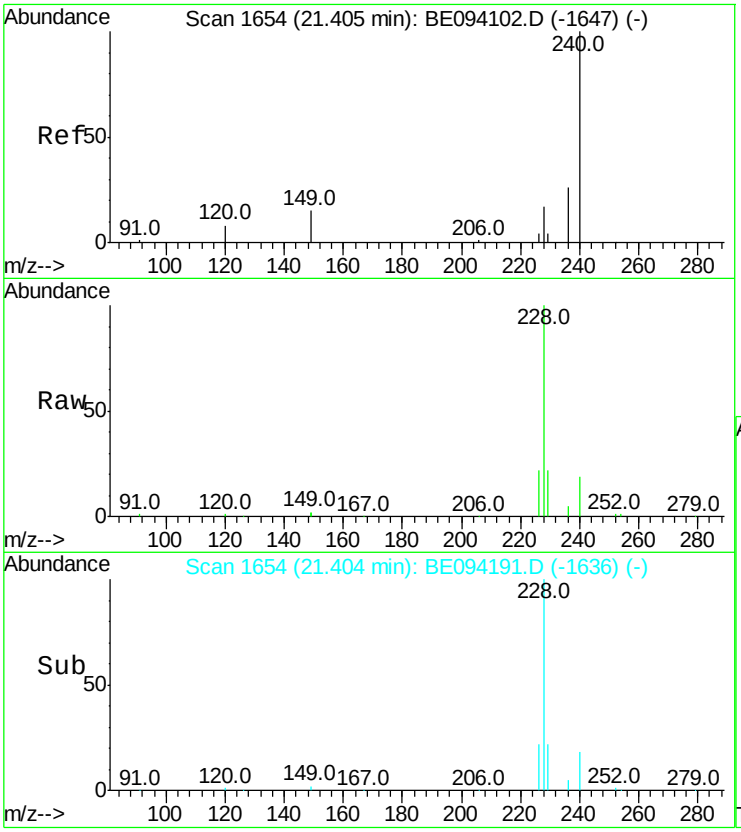


#26
Fluoranthene
Concen: 25.965 ng
RT: 19.29 min Scan# 1434
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:202 Resp: 1036692

Ion	Ratio	Lower	Upper
202	100		
101	12.6	9.8	14.8
203	17.6	13.7	20.5



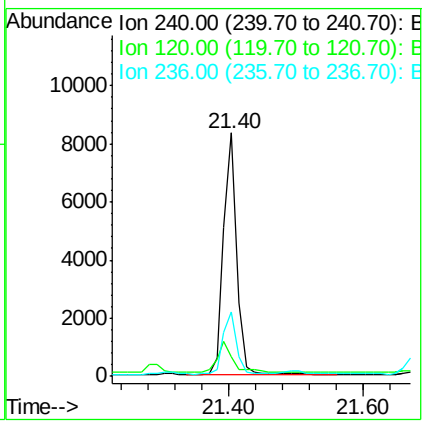


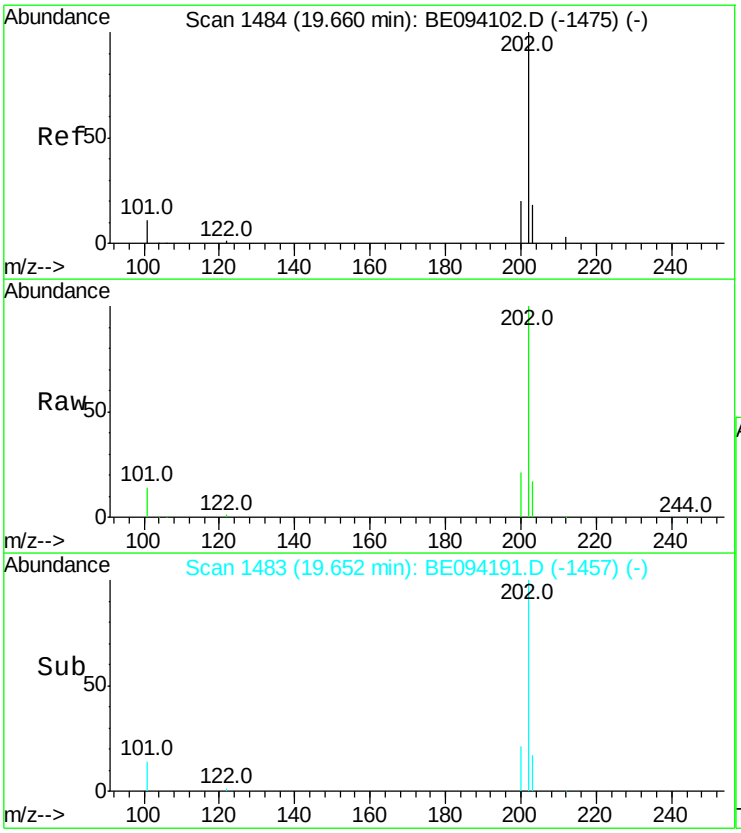
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1654
Delta R.T. -0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:240 Resp: 11240

Ion	Ratio	Lower	Upper
240	100		
120	7.8	5.5	8.3
236	26.5	20.7	31.1

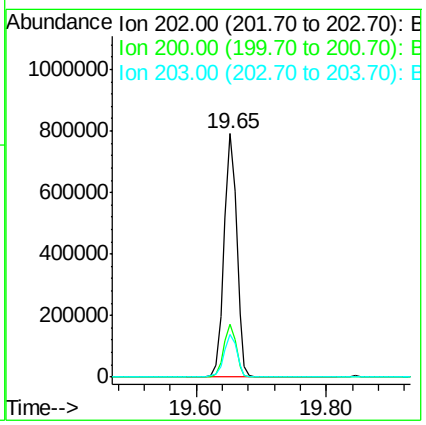


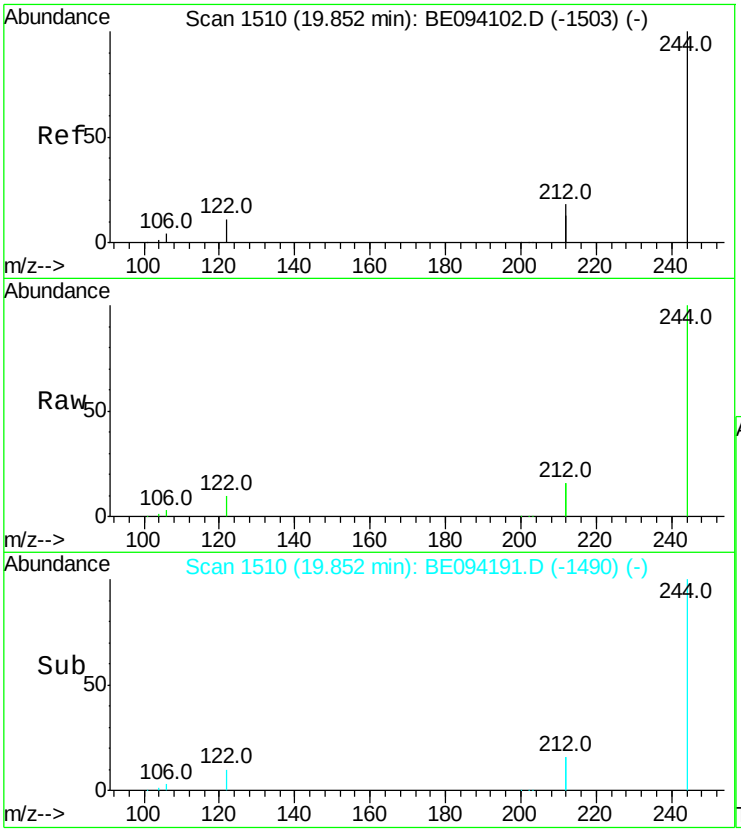


#28
Pyrene
Concen: 27.661 ng
RT: 19.65 min Scan# 1483
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:202 Resp: 1069432

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	18.2	13.8	20.8



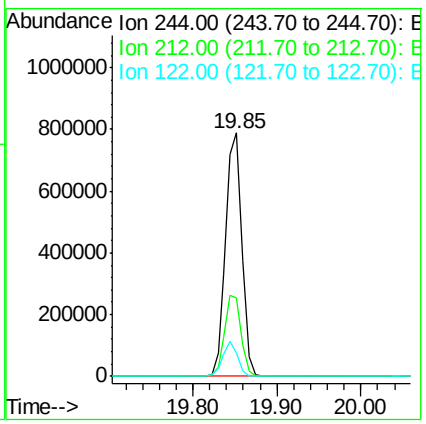


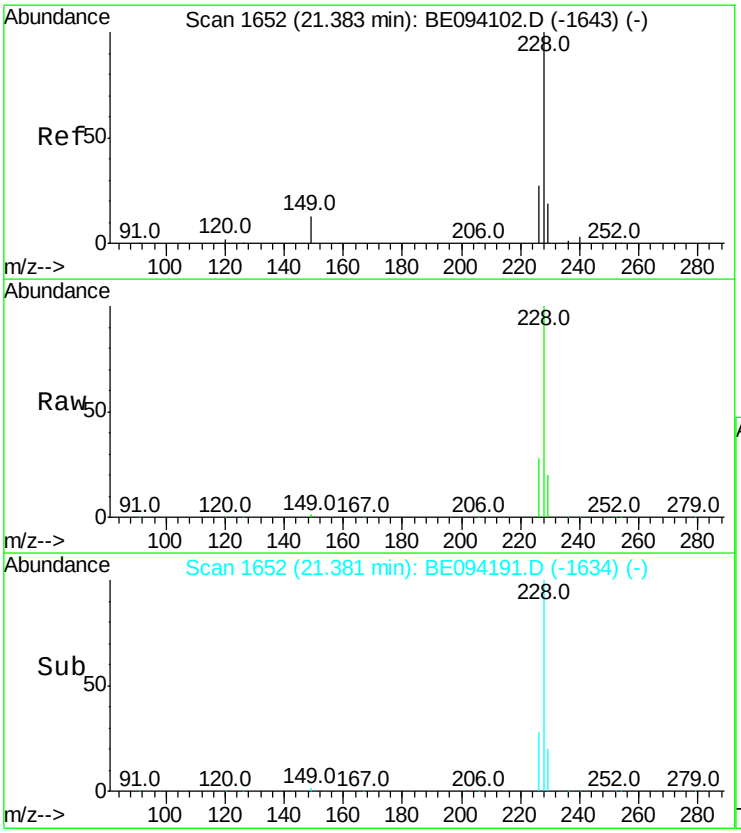
#29
Terphenyl-d14
Concen: 49.622 ng
RT: 19.85 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:244 Resp: 1053268

Ion	Ratio	Lower	Upper
244	100		
212	32.2	25.4	38.0
122	9.7	8.1	12.1

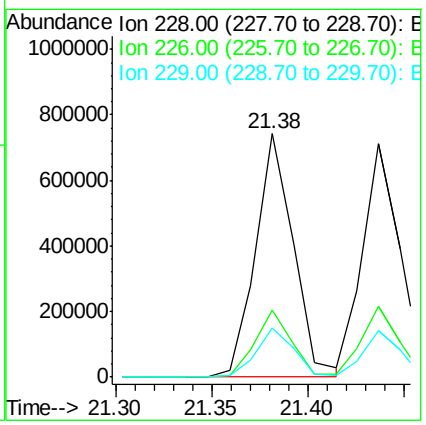


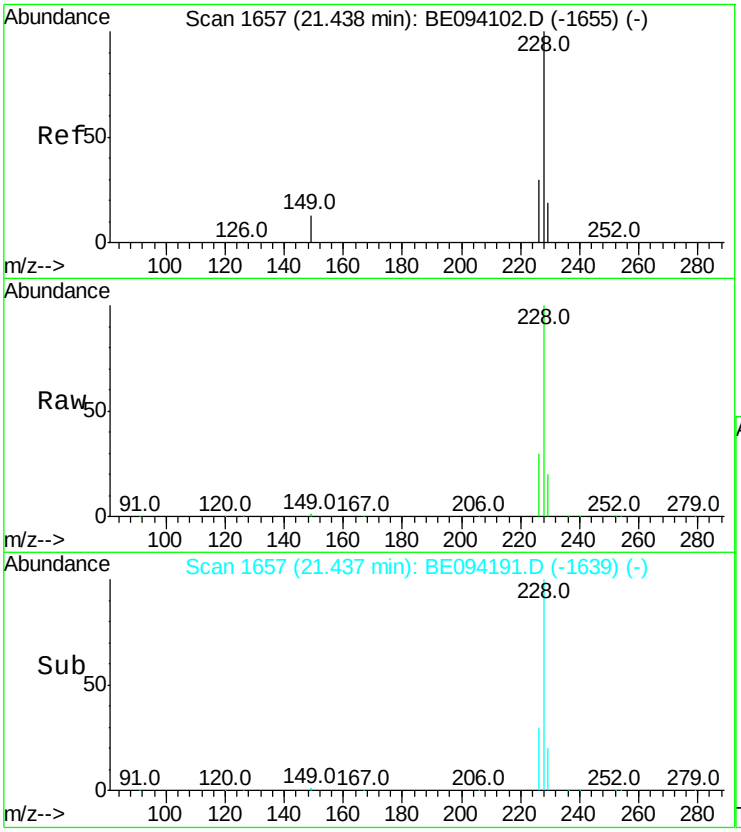


#30
Benzo(a)anthracene
Concen: 27.421 ng
RT: 21.38 min Scan# 1652
Delta R.T. -0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:228 Resp: 1012793

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.4	32.0
229	20.0	16.4	24.6



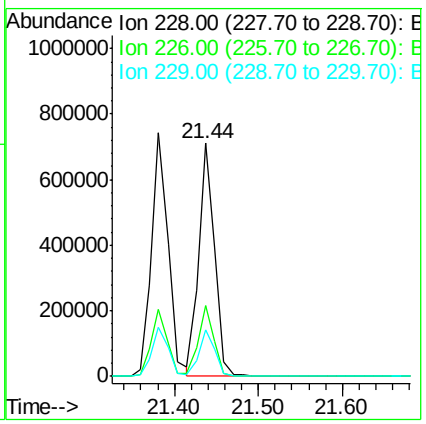


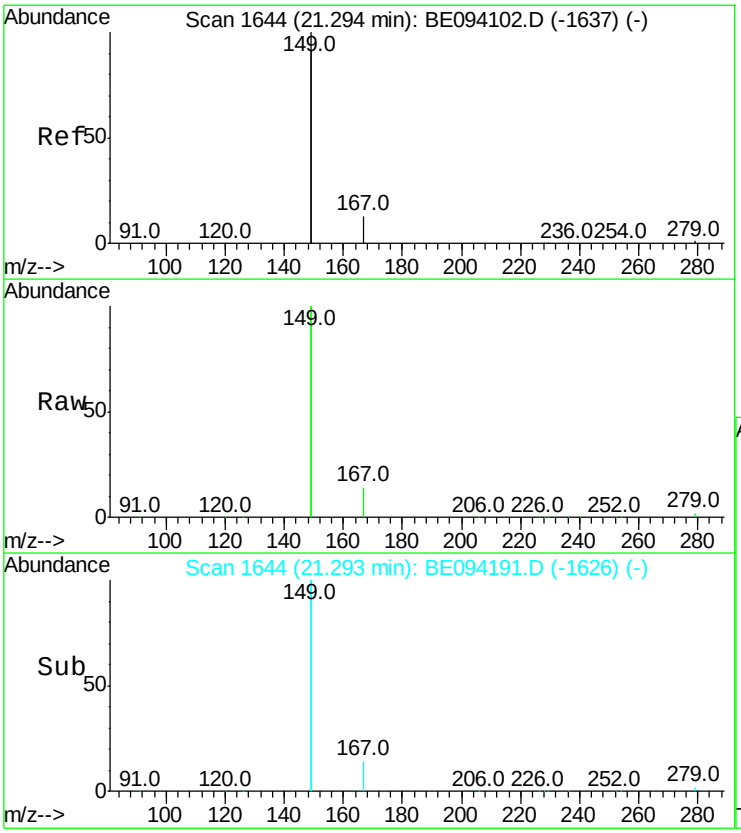
#31
Chrysene
Concen: 26.096 ng
RT: 21.44 min Scan# 1657
Delta R.T. -0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:228 Resp: 950896

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.6	35.4
229	19.8	16.4	24.6

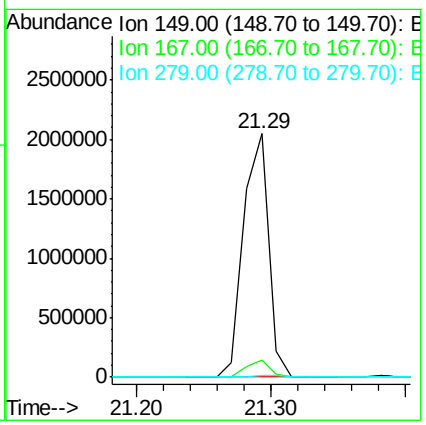


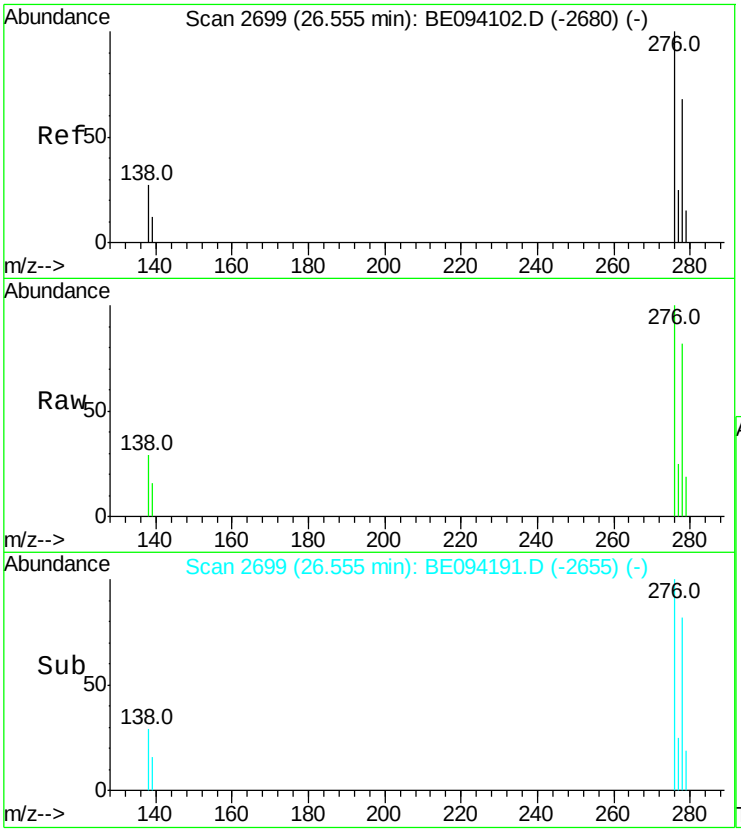


#32
Bis(2-ethylhexyl)phthalate
Concen: 31.166 ng
RT: 21.29 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:149 Resp: 2651002

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



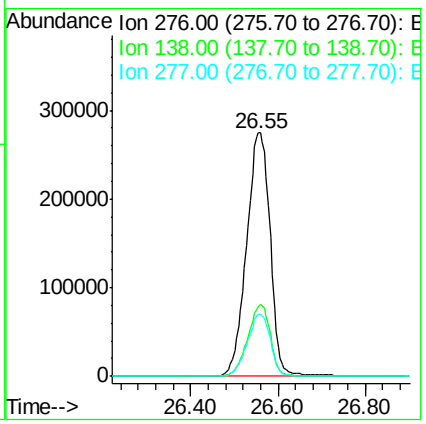


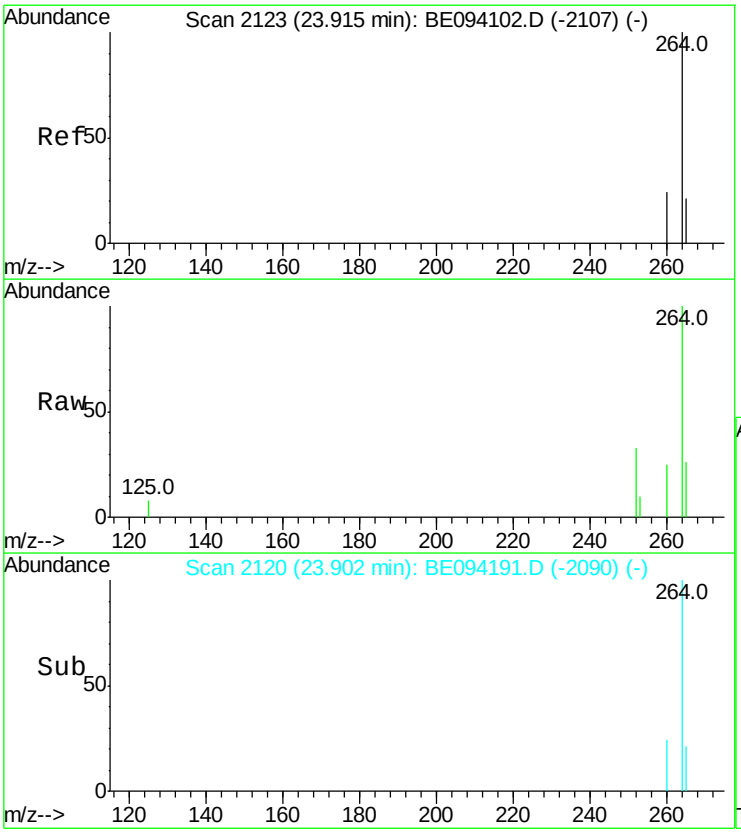
#33
Indeno(1,2,3-cd)pyrene
Concen: 28.451 ng
RT: 26.55 min Scan# 2699
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:276 Resp: 1029284

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.5	33.7
277	25.3	19.9	29.9

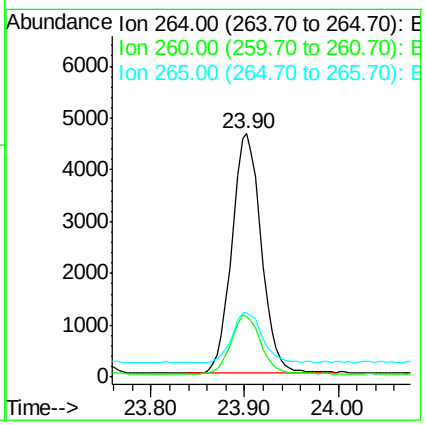


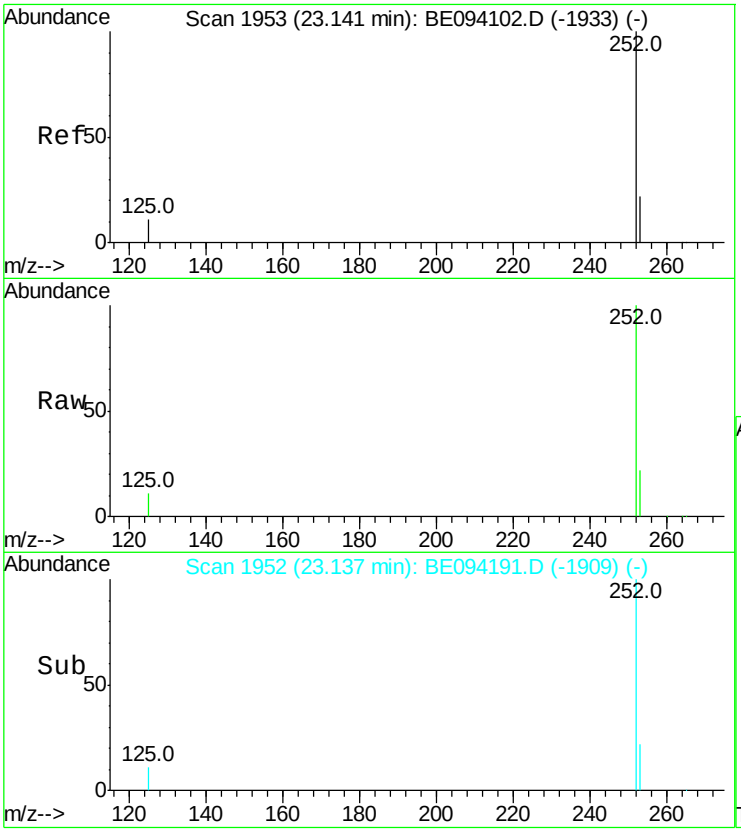


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:264 Resp: 10147

Ion	Ratio	Lower	Upper
264	100		
260	24.7	20.5	30.7
265	26.3	22.8	34.2



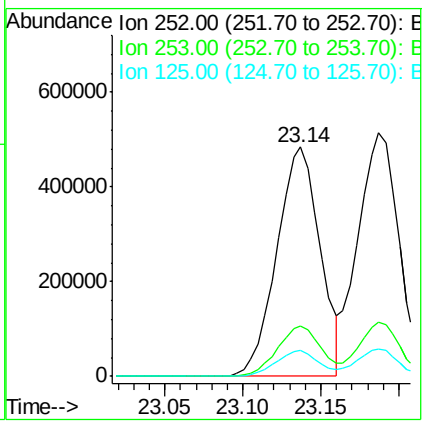


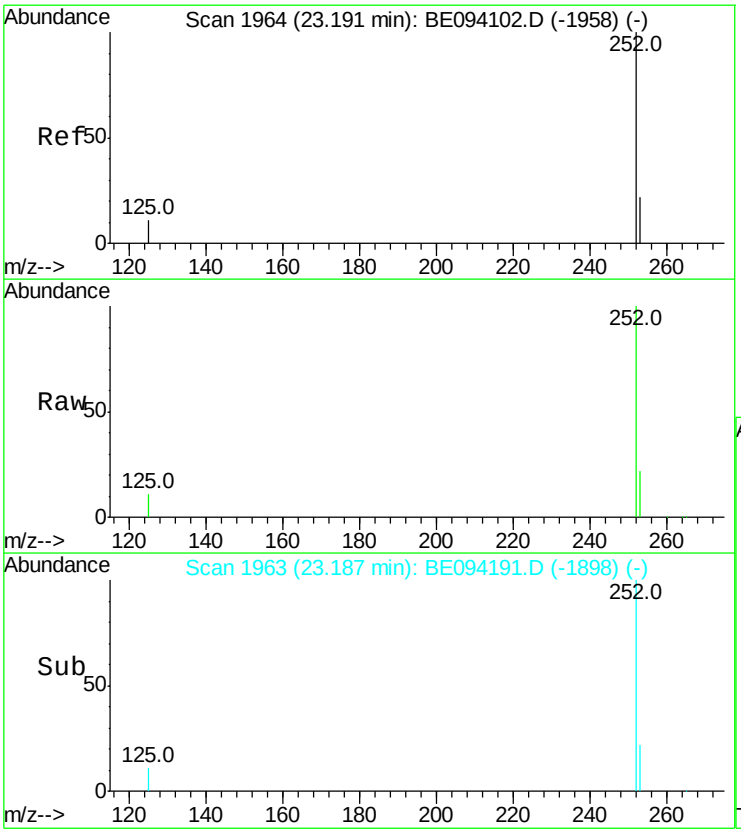
#35
Benzo(b)fluoranthene
Concen: 27.274 ng
RT: 23.14 min Scan# 1952
Delta R.T. -0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:252 Resp: 930899

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.2
125	11.2	10.1	15.1

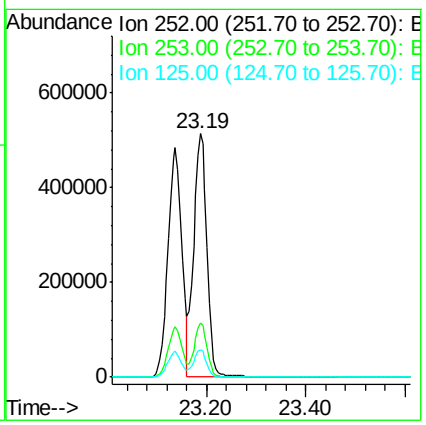


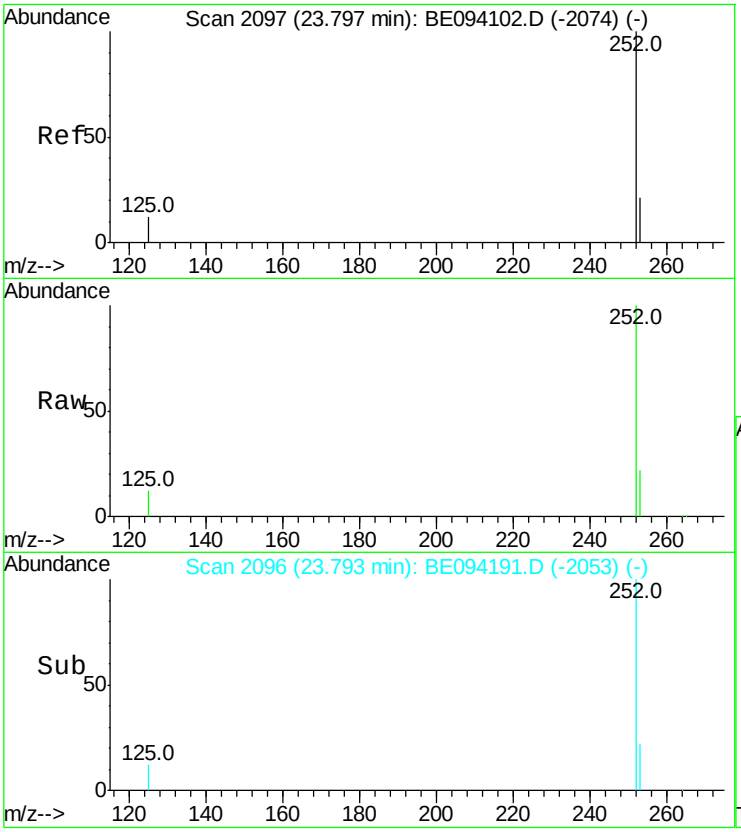


#36
Benzo(k)fluoranthene
Concen: 27.519 ng
RT: 23.19 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:252 Resp: 954711

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.6	27.8
125	11.2	10.7	16.1



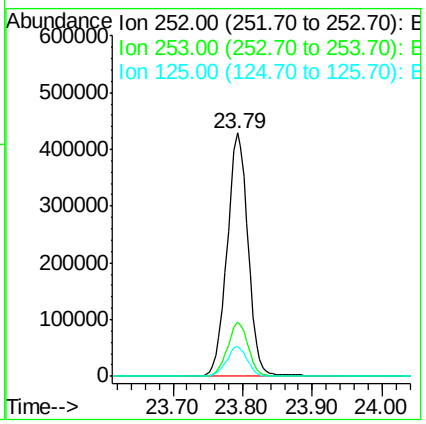


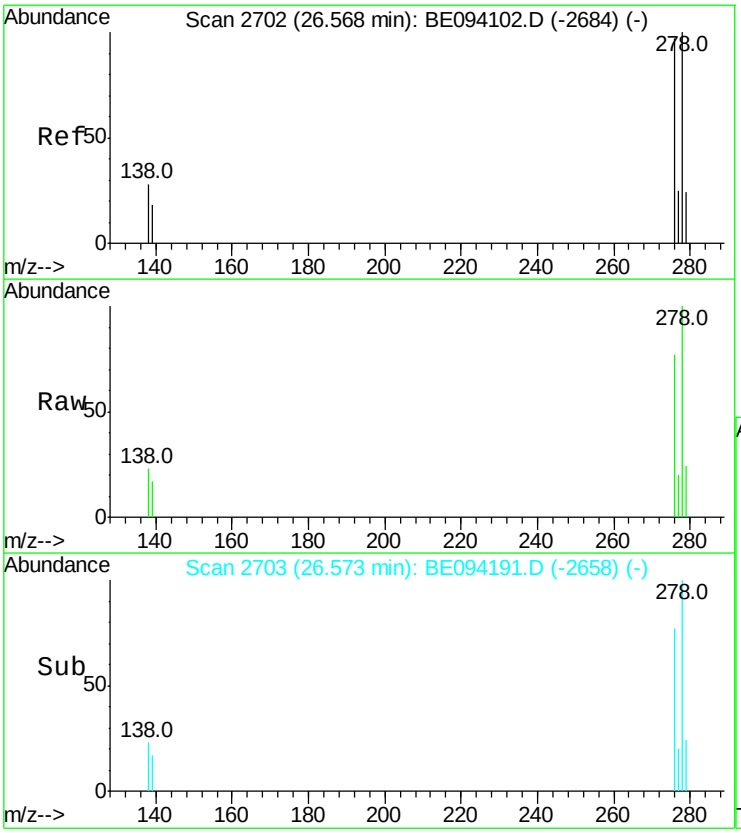
#37
Benzo(a)pyrene
Concen: 28.040 ng
RT: 23.79 min Scan# 2096
Delta R.T. -0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:252 Resp: 904437

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.0	28.6
125	12.3	11.8	17.8

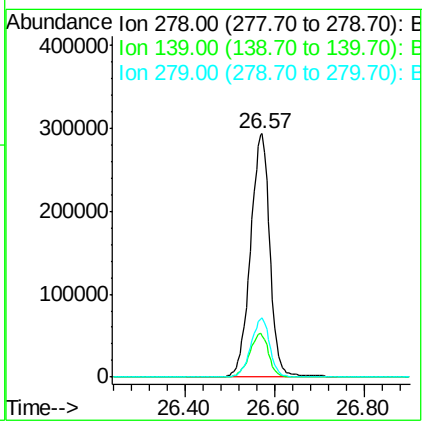


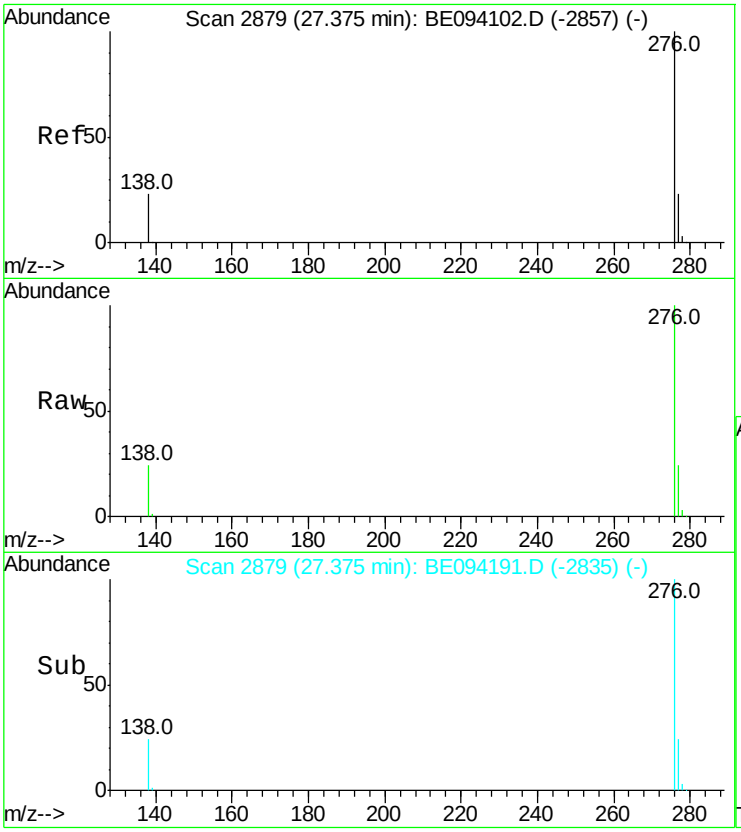


#38
Dibenzo(a,h)anthracene
Concen: 29.216 ng
RT: 26.57 min Scan# 2703
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Tgt Ion:278 Resp: 873747

Ion	Ratio	Lower	Upper
278	100		
139	17.2	16.3	24.5
279	24.2	19.9	29.9





#39
Benzo(g,h,i)perylene
Concen: 27.840 ng
RT: 27.38 min Scan# 2879
Delta R.T. 0.00 min
Lab File: BE094191.D
Acq: 6 Oct 2017 22:28

Instrument :
BNA_E
ClientSampleId :
PAMT-COMP-C-DMS

Tgt Ion:276 Resp: 850495

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