Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051718\

Quantitation Report (Not Reviewed)

Data File : BE096604.D
Acq On : 17 May 2018 11:41
Operator : SJ/JU
Sample : PB109397BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB109397BSD

Quant Time: May 18 05:11:20 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.34	152	851	0.40	ng		0.00
7) Naphthalene-d8	11.17	136	3154	0.40	ng		-0.01
13) Acenaphthene-d10	14.92	164	1532	0.40	ng		0.00
19) Phenanthrene-d10	17.64	188	3275	0.40	ng		0.00
27) Chrysene-d12	21.73	240	3483	0.40	ng		0.00
34) Perylene-d12	24.33	264	3300	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.85	112	848	0.36	ng		0.00
5) Phenol-d6	7.50	99	1114	0.34	ng		0.00
8) Nitrobenzene-d5	9.44	82	122	0.04	ng		-0.09
11) 2-Methylnaphthalene-d10	12.72	152	1706	0.33	ng		0.00
14) 2,4,6-Tribromophenol	16.40	330	178	0.29	ng		0.00
15) 2-Fluorobiphenyl	13.56	172	2561	0.39	ng		0.00
25) Fluoranthene-d10	19.62	212	14176	0.35	ng		0.00
29) Terphenyl-d14	20.18	244	2604	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.59	88	385	0.30	ng		92
3) n-Nitrosodimethylamine	3.95	42	616	0.39	ng	#	73
6) bis(2-Chloroethyl)ether	7.74	93	977	0.31	ng		97
9) Naphthalene	11.22	128	11679	0.35	ng		99
10) Hexachlorobutadiene	11.49	225	578	0.31	ng		94
12) 2-Methylnaphthalene	12.79	142	1936	0.34	ng		97
16) Acenaphthylene	14.66	152	2725	0.34	ng		100
17) Acenaphthene	14.99	154	1659	0.34	ng		94
18) Fluorene	15.96	166	2682	0.44	ng	#	78
20) 4-Bromophenyl-phenylether	16.82	248	651	0.33	ng	#	75
21) Hexachlorobenzene	16.95	284	680	0.33	ng	#	79
22) Pentachlorophenol	17.31	266	133	0.38	ng		86
23) Phenanthrene	17.67	178	3230	0.35	ng		98
24) Anthracene	17.77	178	3000	0.35	ng	#	94
26) Fluoranthene	19.65	202	3909	0.36	ng	#	97
28) Pyrene	20.00	202	1868	0.30	ng		96
30) Benzo(a)anthracene	21.72	228	3788	0.35	ng		97
31) Chrysene	21.78	228	3838	0.34	ng		97
32) Bis(2-ethylhexyl)phthalate	21.58	149	6467	0.28	ng		100
33) Indeno(1,2,3-cd)pyrene	27.11	276	3983	0.37	ng	#	93
35) Benzo(b)fluoranthene	23.52	252	3806	0.37	ng	#	92
36) Benzo(k)fluoranthene	23.58	252	3781	0.35	ng	#	92
37) Benzo(a)pyrene	24.21	252	3554	0.37	ng	#	92
38) Dibenzo(a,h)anthracene	27.11	278	3167	0.36	ng		95
39) Benzo(g,h,i)perylene	27.96	276	3523	0.38	ng	#	91

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

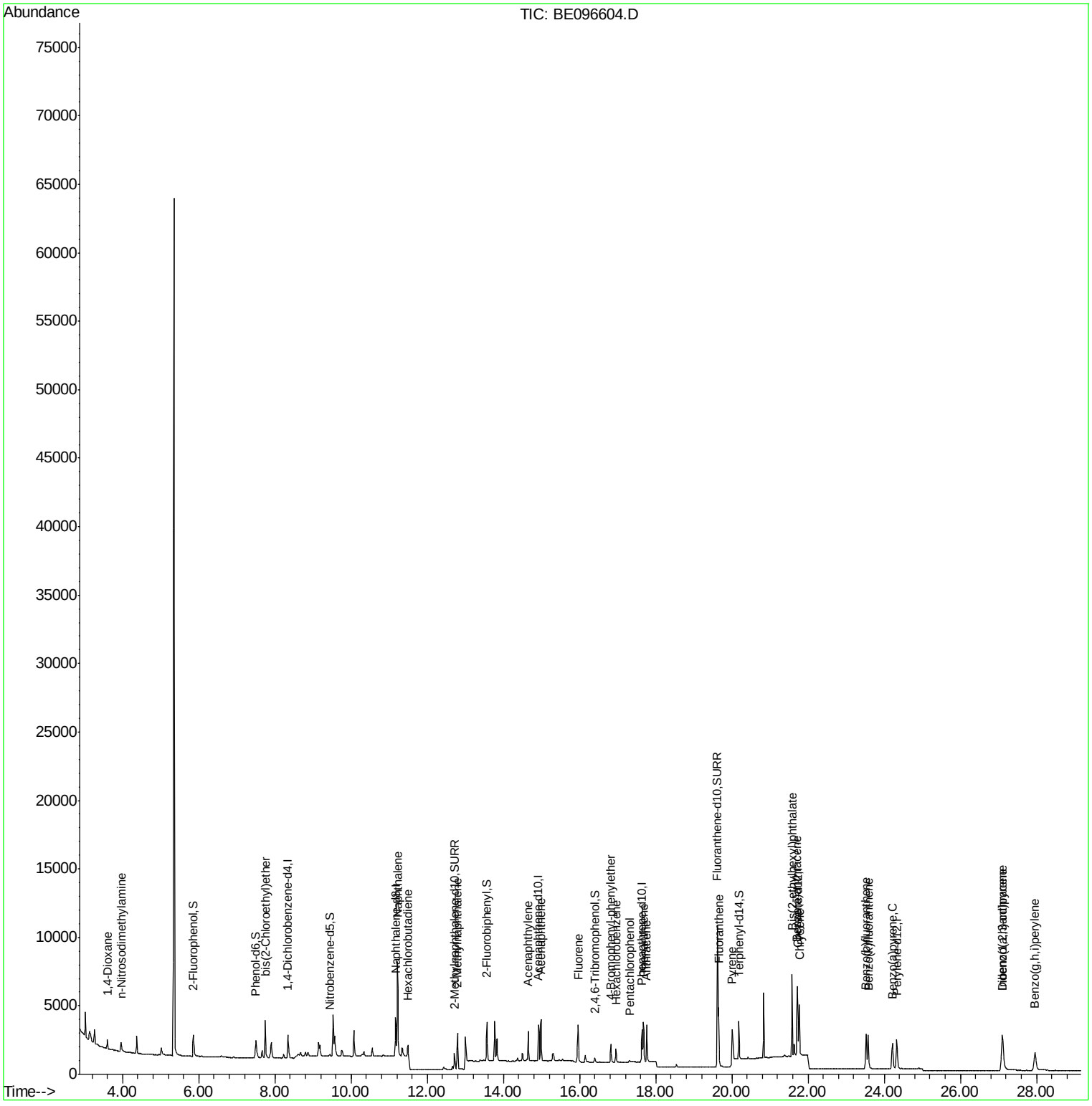
Data Path : Z:\HPCHEM1\BNA_E\DATA\BE051718\

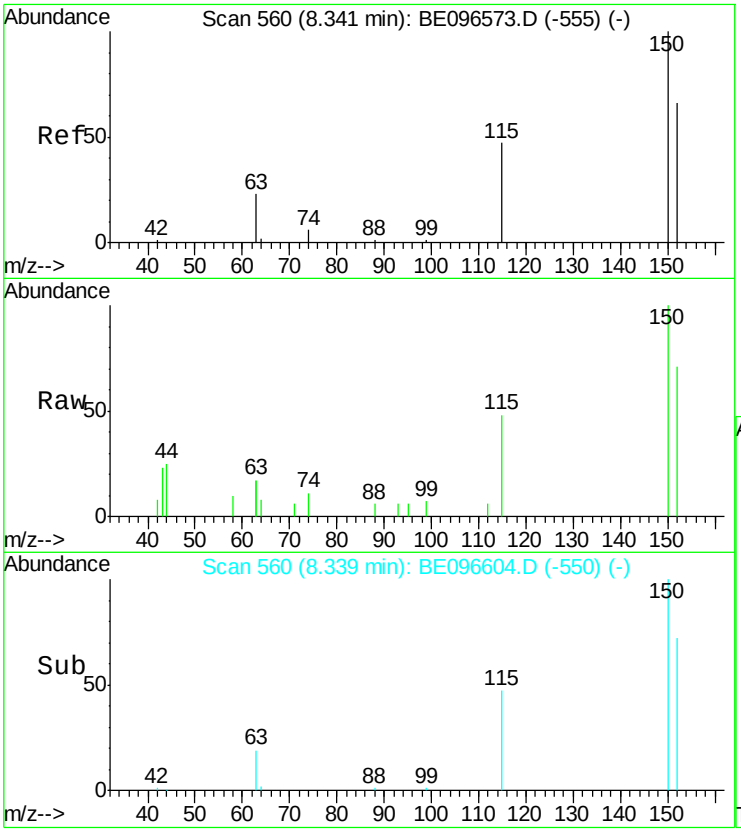
Quantitation Report (Not Reviewed)

Data File : BE096604.D
Acq On : 17 May 2018 11:41
Operator : SJ/JU
Sample : PB109397BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Quant Time: May 18 05:11:20 2018
Quant Method : Z:\HPCHEM1\BNA_E\METHODS\8270-SIM-BE051518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue May 15 13:02:03 2018
Response via : Initial Calibration



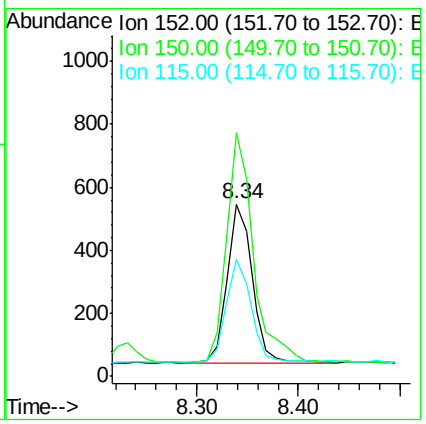


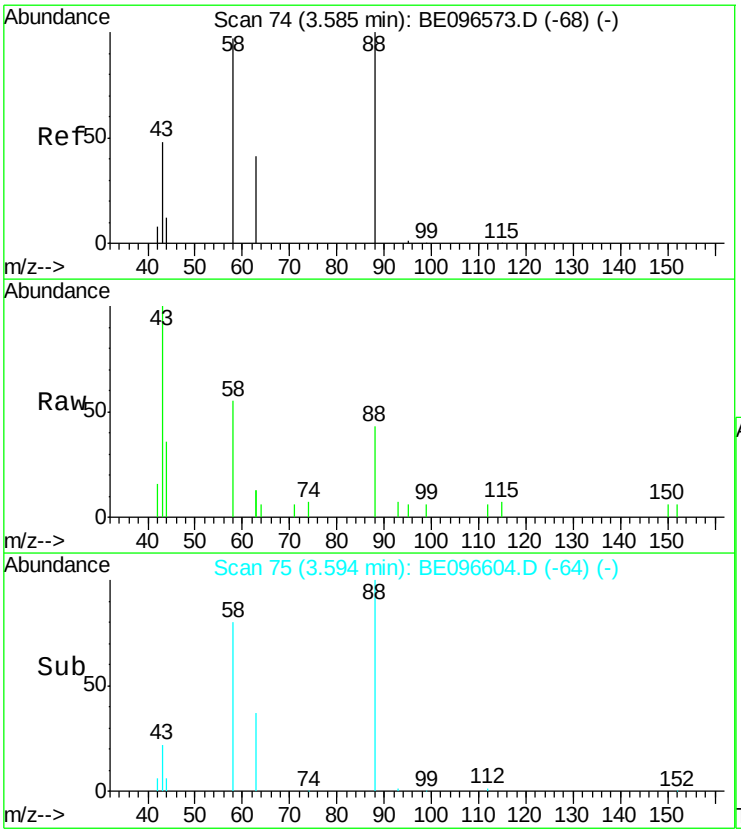
#1
1,4-Dichlorobenzene-d4
Concen: 0.40 ng
RT: 8.34 min Scan# 560
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:152 Resp: 851

Ion	Ratio	Lower	Upper
152	100		
150	141.6	117.2	175.8
115	68.3	57.0	85.6

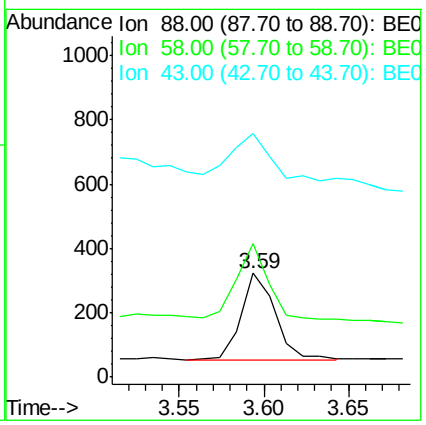


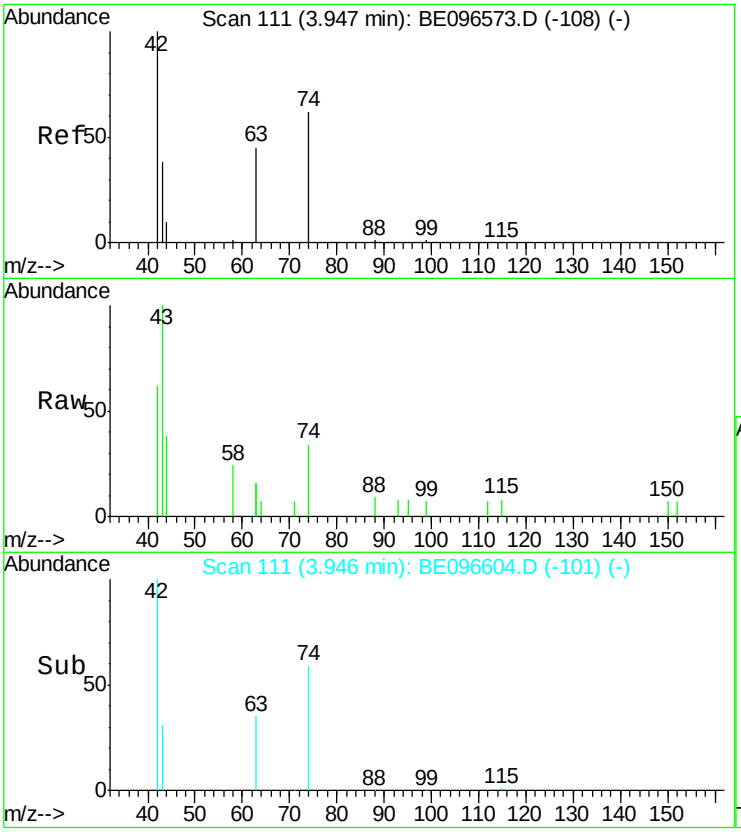


#2
1,4-Dioxane
Concen: 0.30 ng
RT: 3.59 min Scan# 75
Delta R.T. 0.01 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion: 88 Resp: 385

Ion	Ratio	Lower	Upper
88	100		
58	75.8	63.2	94.8
43	61.6	41.2	61.8



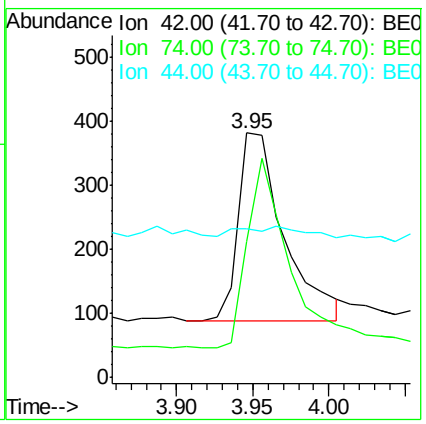


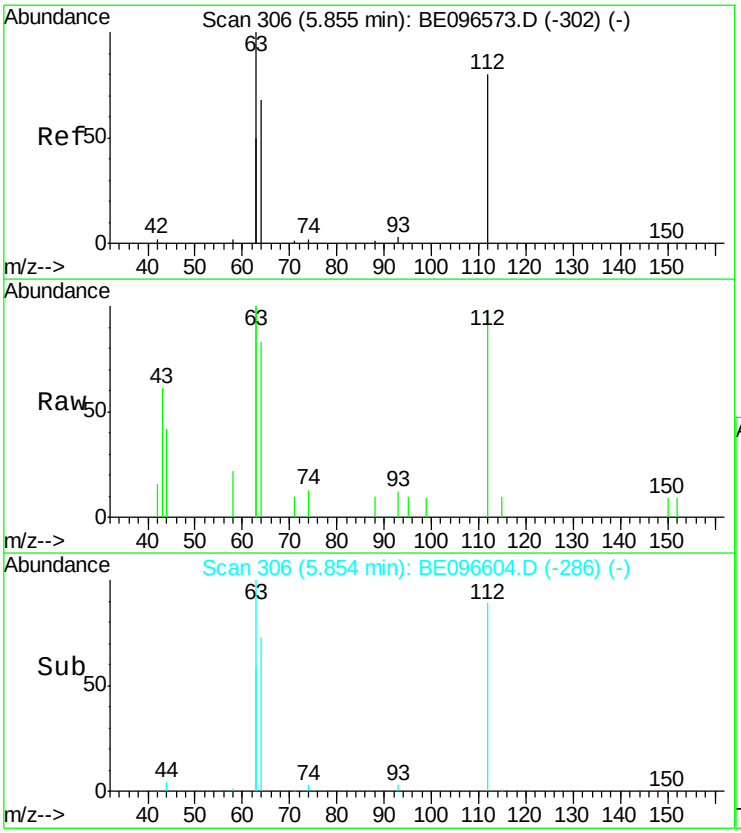
#3
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.95 min Scan# 111
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion: 42 Resp: 616

Ion	Ratio	Lower	Upper
42	100		
74	89.8	96.0	144.0#
44	2.9	12.0	18.0#

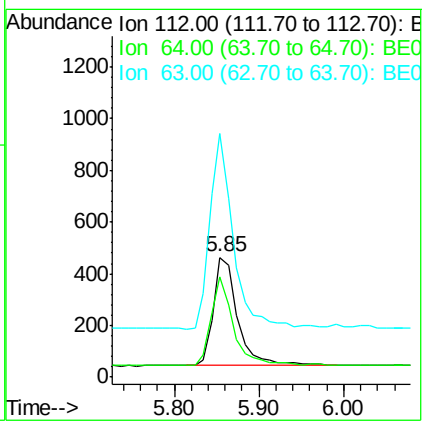


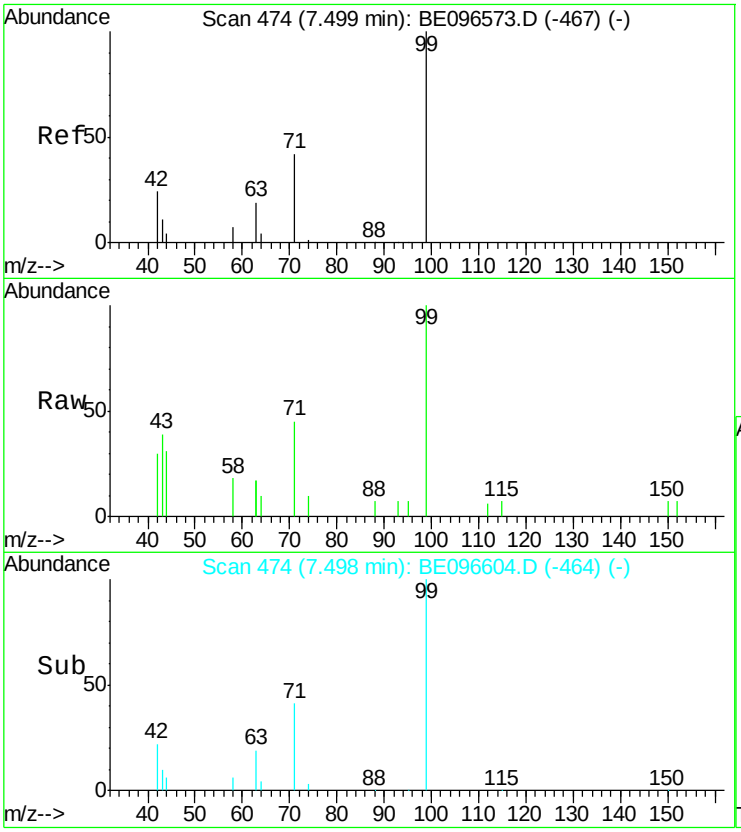


#4
2-Fluorophenol
Concen: 0.36 ng
RT: 5.85 min Scan# 306
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:112 Resp: 848

Ion	Ratio	Lower	Upper
112	100		
64	74.4	60.1	90.1
63	174.6	116.8	175.2



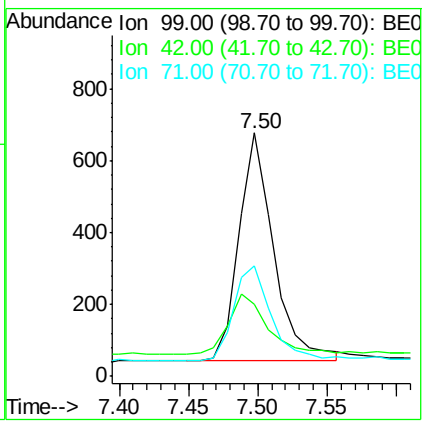


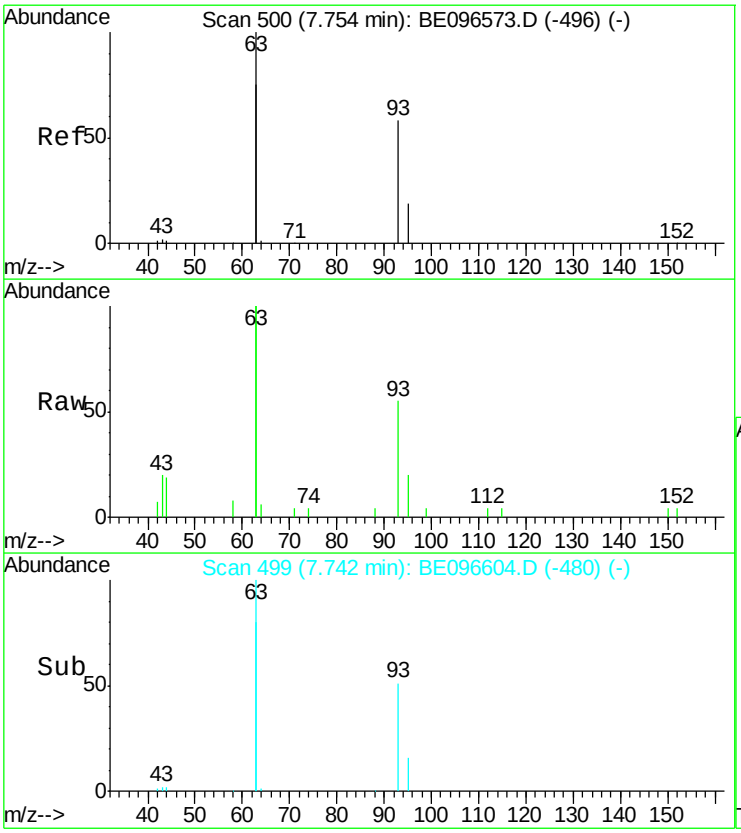
#5
Phenol-d6
Concen: 0.34 ng
RT: 7.50 min Scan# 474
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion: 99 Resp: 1114

Ion	Ratio	Lower	Upper
99	100		
42	29.7	20.2	30.2
71	44.5	28.4	42.6#

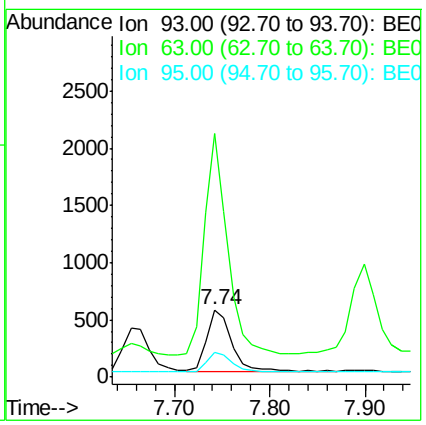


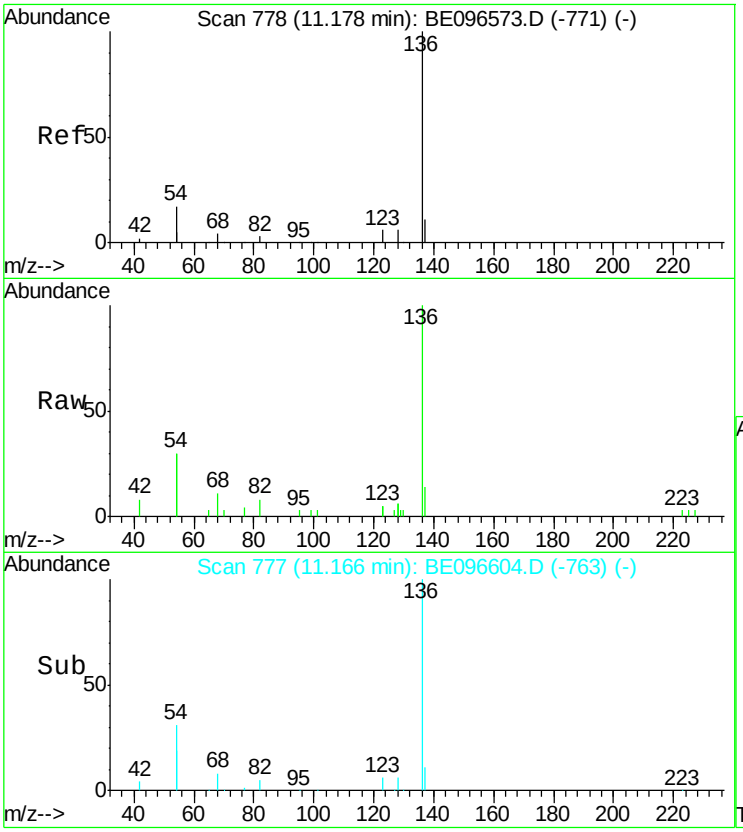


#6
bis(2-Chloroethyl)ether
Concen: 0.31 ng
RT: 7.74 min Scan# 499
Delta R.T. -0.01 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion: 93 Resp: 977

Ion	Ratio	Lower	Upper
93	100		
63	338.1	275.3	412.9
95	33.0	25.2	37.8



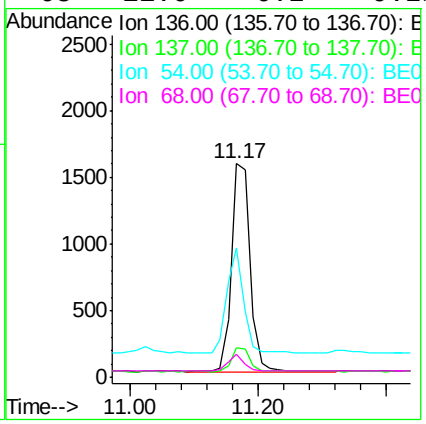


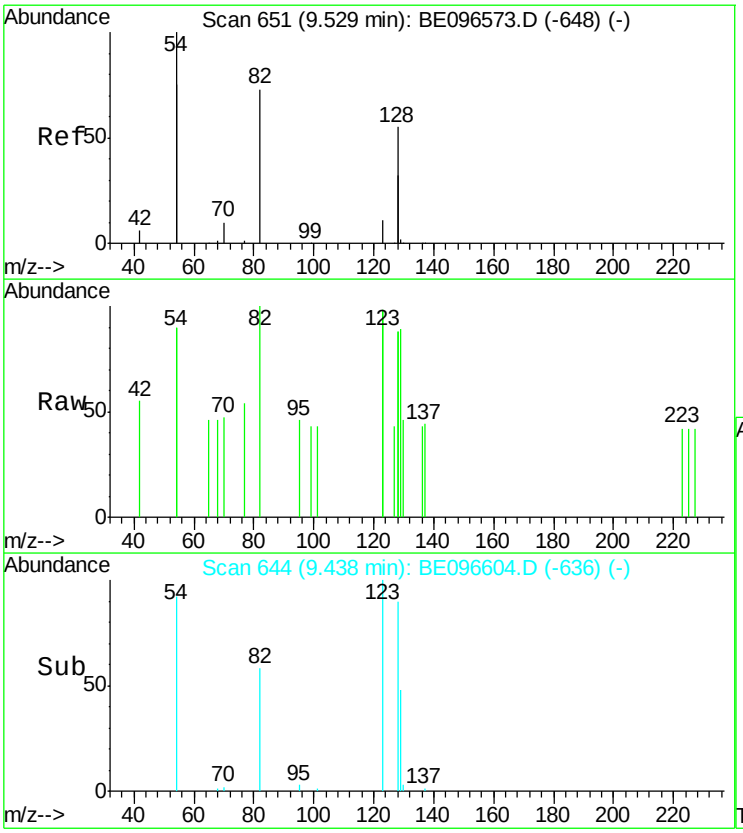
#7
Naphthalene-d8
Concen: 0.40 ng
RT: 11.17 min Scan# 777
Delta R.T. -0.01 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:136 Resp: 3154

Ion	Ratio	Lower	Upper
136	100		
137	13.5	9.5	14.3
54	60.3	29.1	43.7#
68	11.0	6.2	9.2#

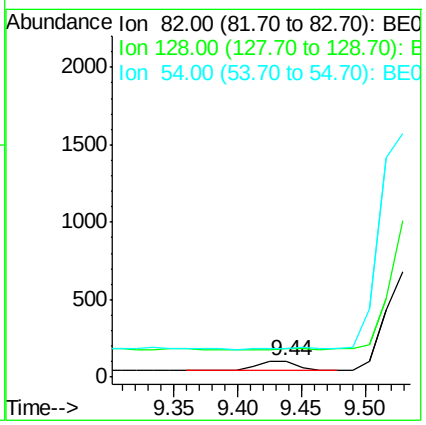


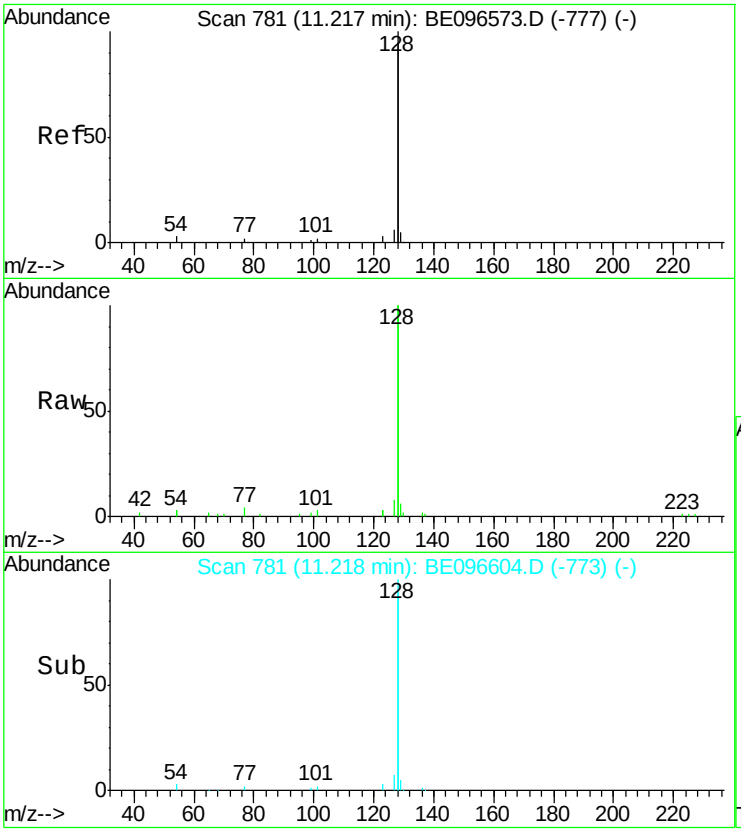


#8
Nitrobenzene-d5
Concen: 0.04 ng
RT: 9.44 min Scan# 644
Delta R.T. -0.09 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion: 82 Resp: 122

Ion	Ratio	Lower	Upper
82	100		
128	176.7	150.0	225.0
54	180.6	154.2	231.4



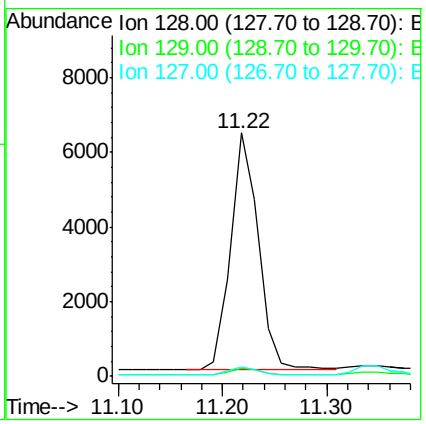


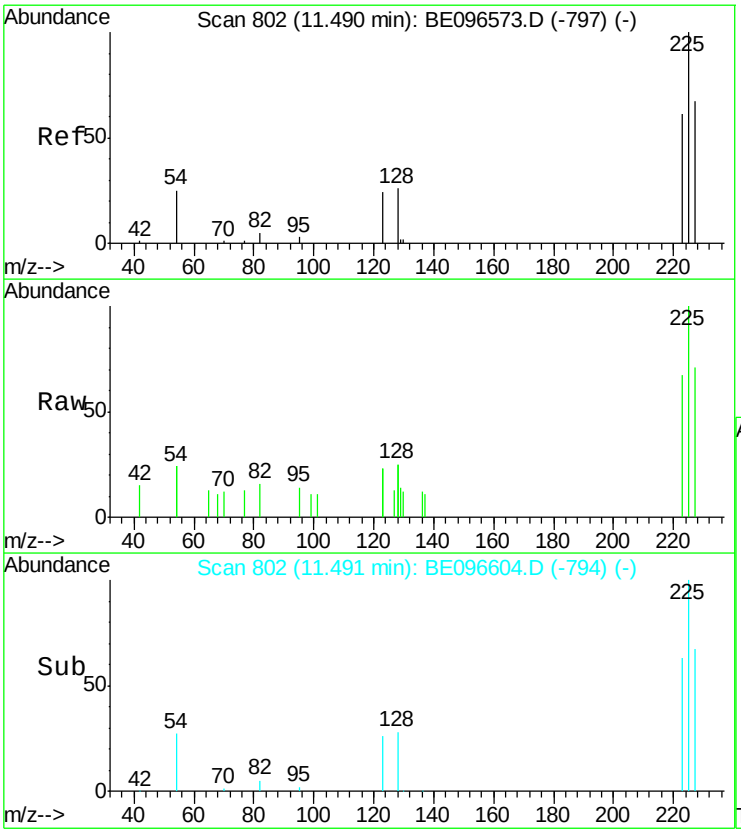
#9
Naphthalene
Concen: 0.35 ng
RT: 11.22 min Scan# 781
Delta R.T. 0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:128 Resp: 11679

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	4.1	2.8	4.2

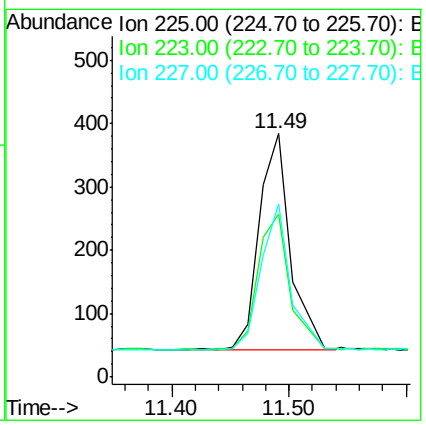


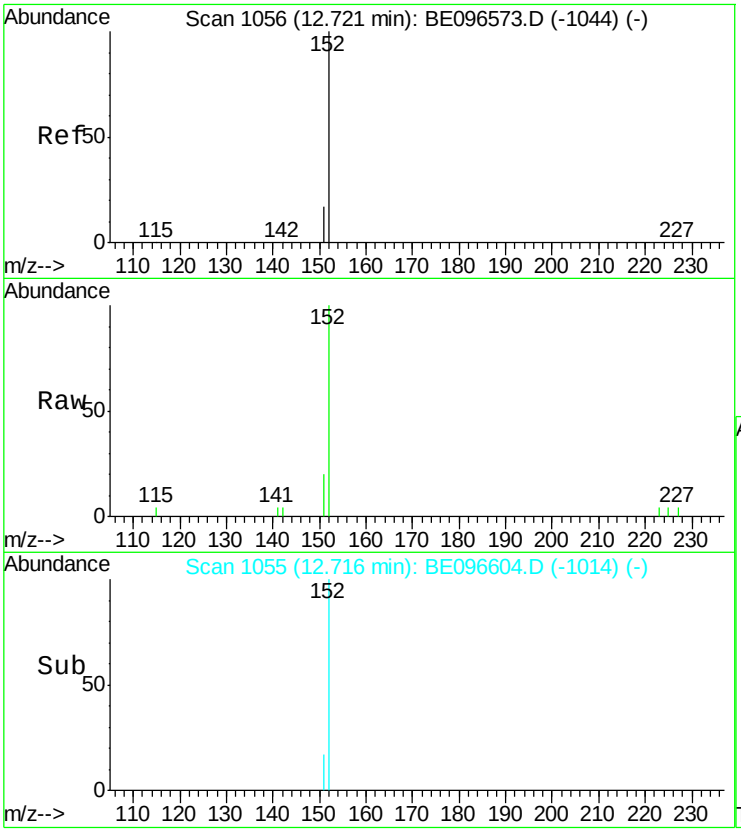


#10
Hexachlorobutadiene
Concen: 0.31 ng
RT: 11.49 min Scan# 802
Delta R.T. 0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:225 Resp: 578

Ion	Ratio	Lower	Upper
225	100		
223	60.9	53.0	79.6
227	68.9	51.4	77.2



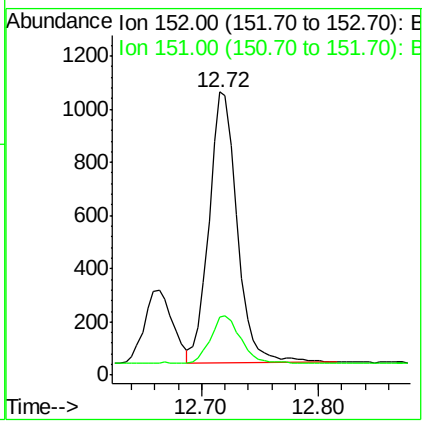


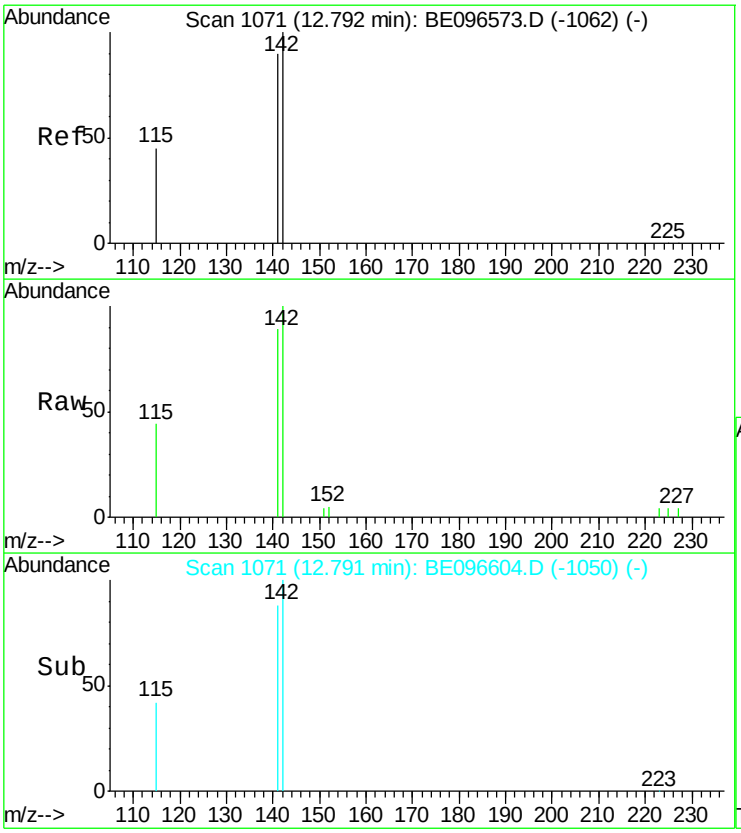
#11
2-Methylnaphthalene-d10
Concen: 0.33 ng
RT: 12.72 min Scan# 1055
Delta R.T. -0.01 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:152 Resp: 1706

Ion	Ratio	Lower	Upper
152	100		
151	18.7	15.4	23.0

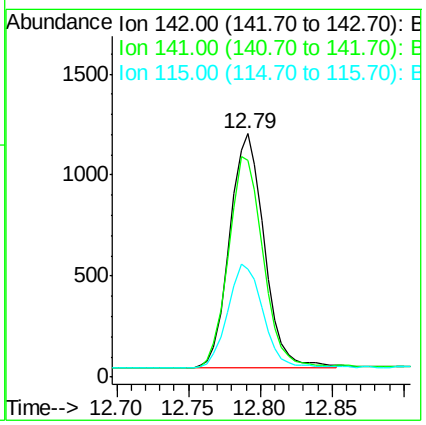


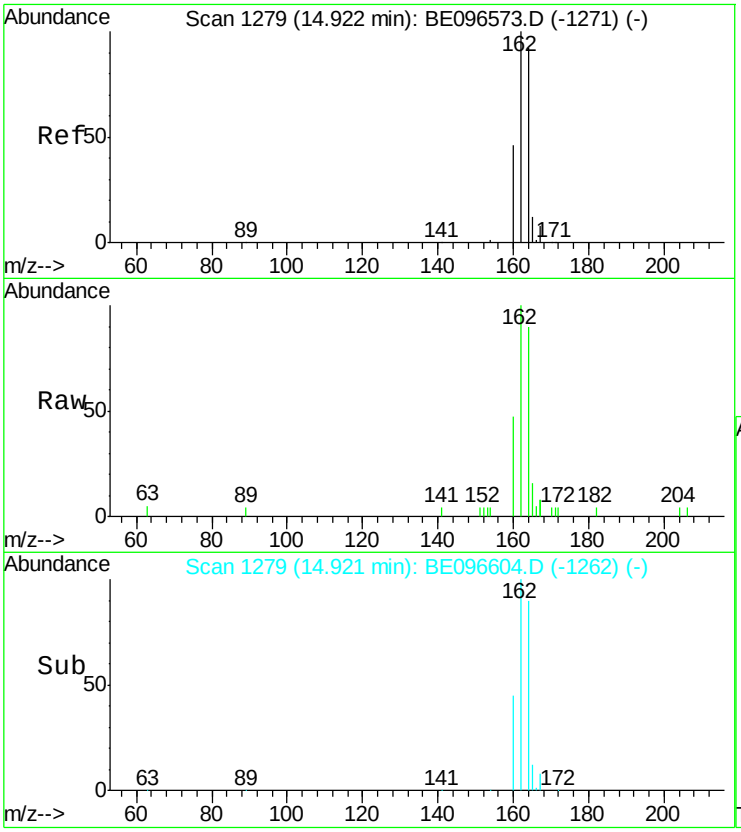


#12
2-Methylnaphthalene
Concen: 0.34 ng
RT: 12.79 min Scan# 1071
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:142 Resp: 1936

Ion	Ratio	Lower	Upper
142	100		
141	88.8	70.4	105.6
115	44.5	31.7	47.5



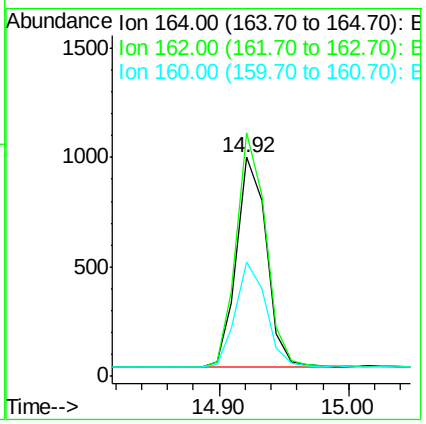


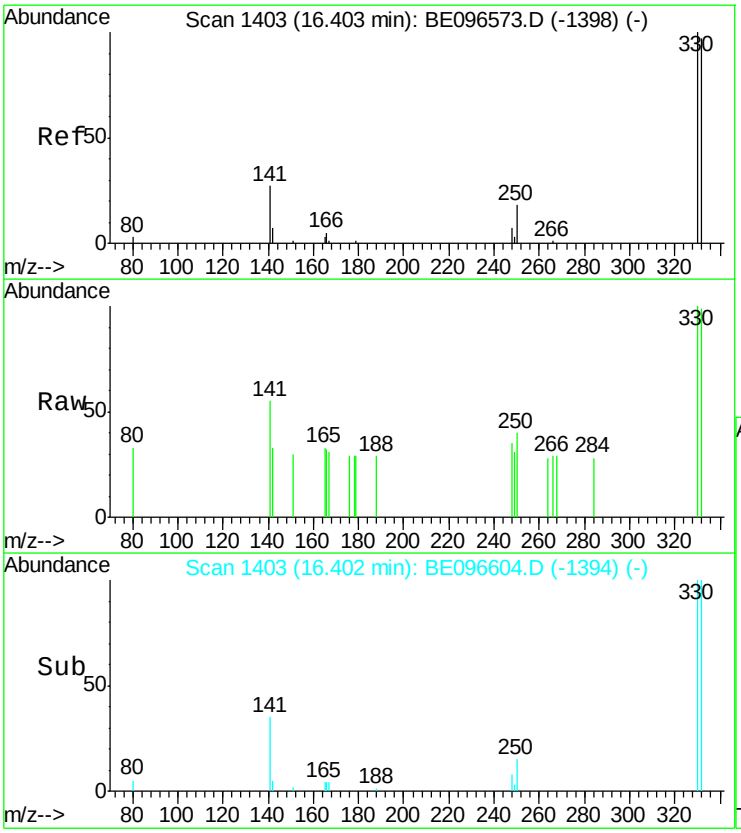
#13
Acenaphthene-d10
Concen: 0.40 ng
RT: 14.92 min Scan# 1279
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:164 Resp: 1532

Ion	Ratio	Lower	Upper
164	100		
162	111.1	83.1	124.7
160	52.4	37.1	55.7

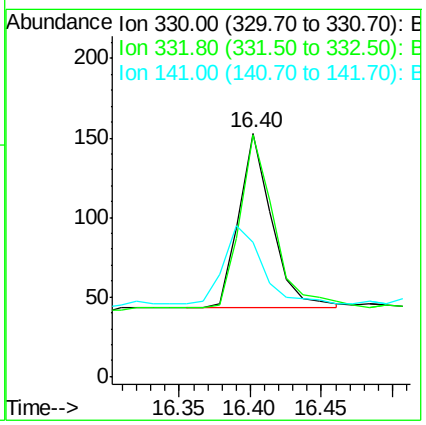


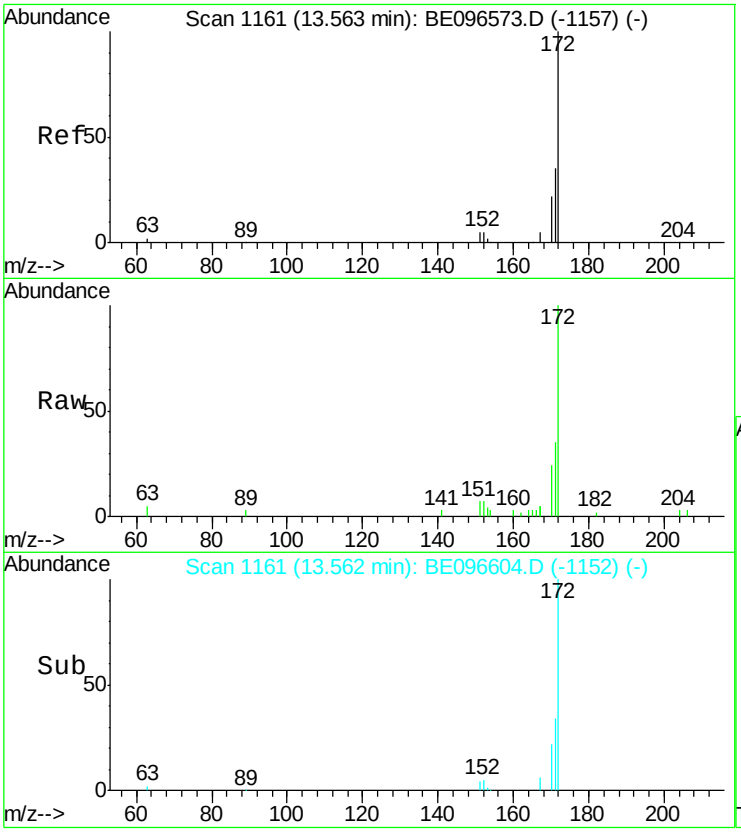


#14
2,4,6-Tribromophenol
Concen: 0.29 ng
RT: 16.40 min Scan# 1403
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:330 Resp: 178

Ion	Ratio	Lower	Upper
330	100		
332	102.8	152.7	229.1#
141	50.6	33.7	50.5#



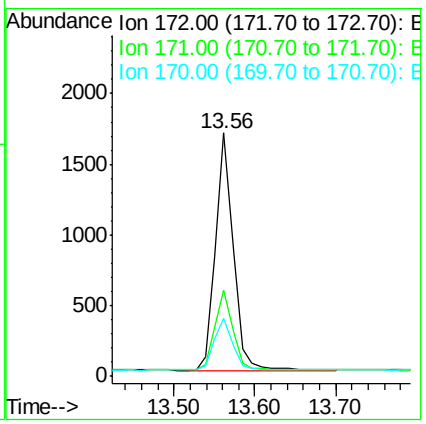


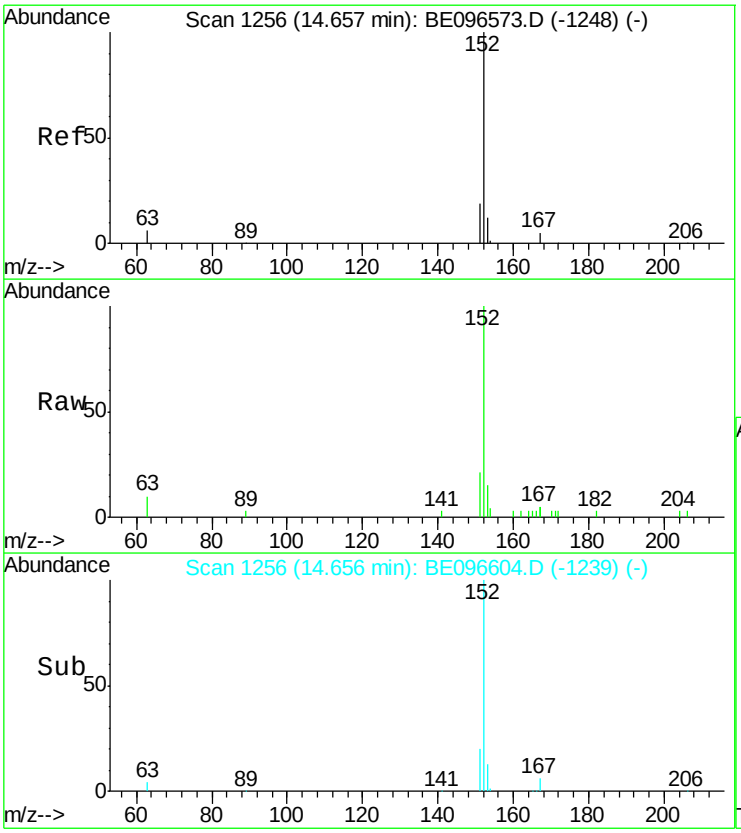
#15
2-Fluorobiphenyl
Concen: 0.39 ng
RT: 13.56 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:172 Resp: 2561

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.9	44.9
170	23.8	21.8	32.8

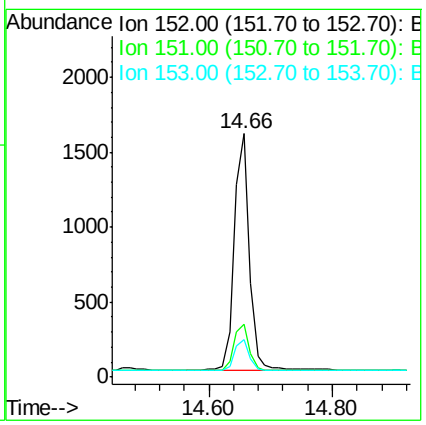


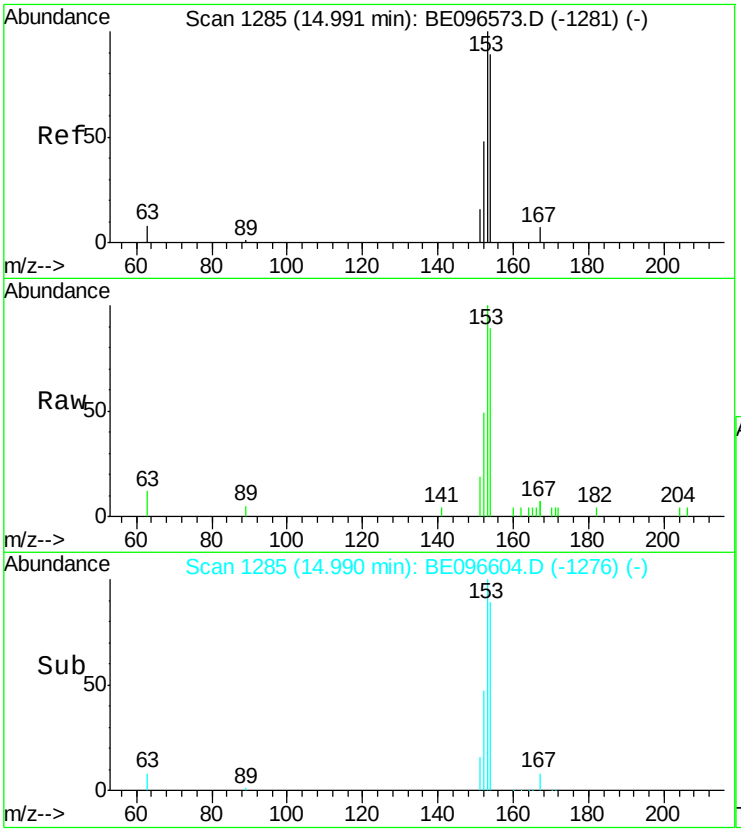


#16
Acenaphthylene
Concen: 0.34 ng
RT: 14.66 min Scan# 1256
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:152 Resp: 2725

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	12.8	10.5	15.7



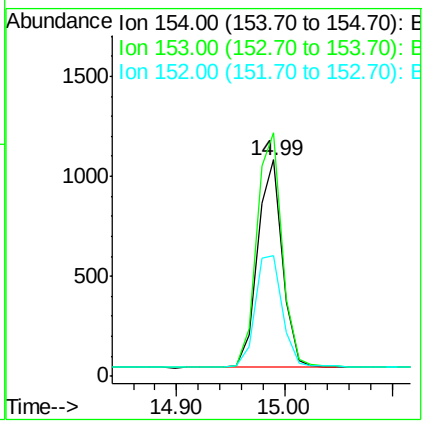


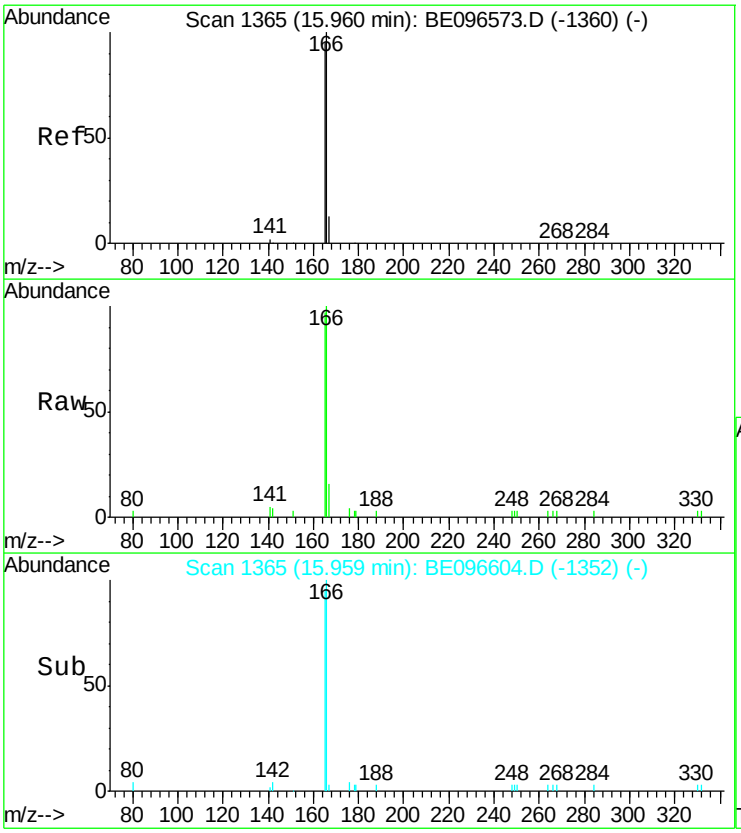
#17
Acenaphthene
Concen: 0.34 ng
RT: 14.99 min Scan# 1285
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:154 Resp: 1659

Ion	Ratio	Lower	Upper
154	100		
153	116.2	89.2	133.8
152	58.8	42.0	63.0

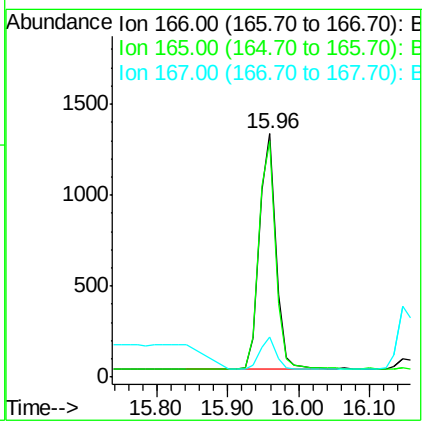


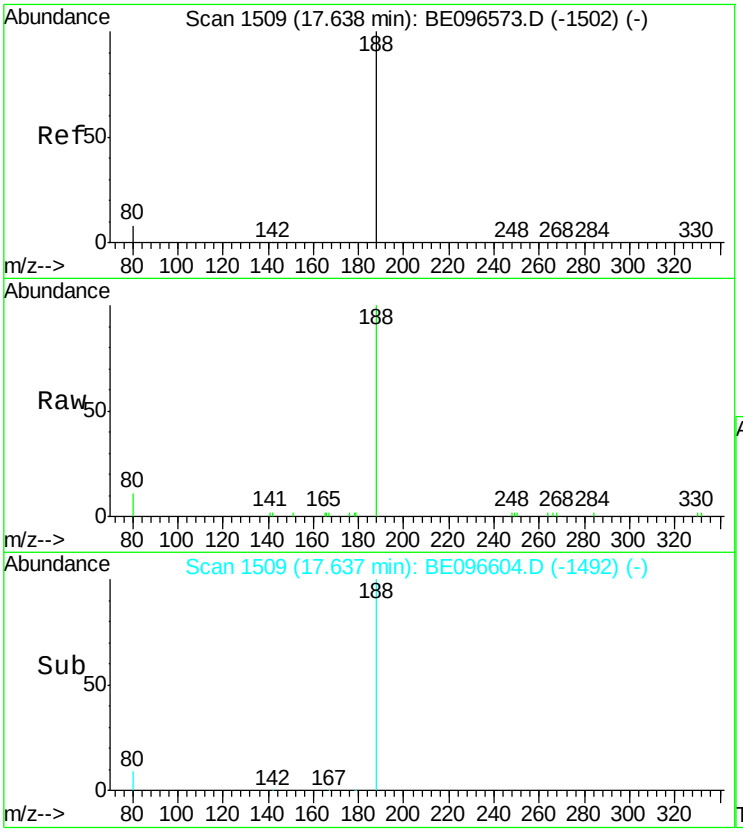


#18
Fluorene
Concen: 0.44 ng
RT: 15.96 min Scan# 1365
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:166 Resp: 2682

Ion	Ratio	Lower	Upper
166	100		
165	95.6	77.8	116.6
167	10.6	42.4	63.6#



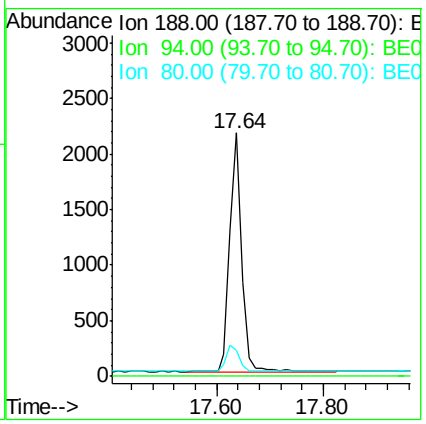


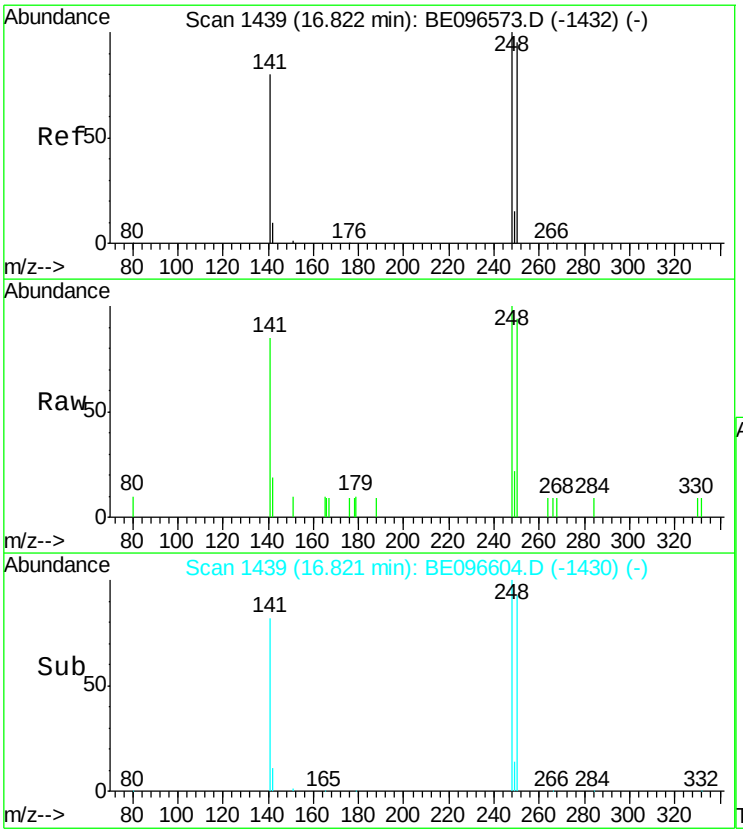
#19
Phenanthrene-d10
Concen: 0.40 ng
RT: 17.64 min Scan# 1509
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:188 Resp: 3275

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.6	3.6	5.4#

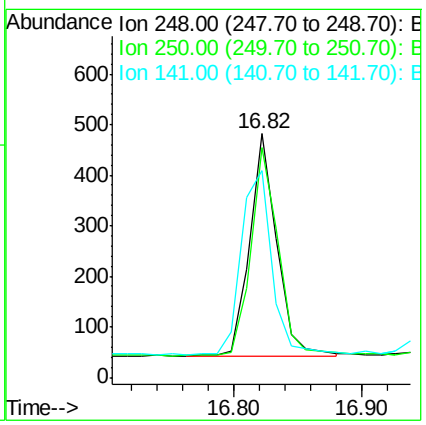


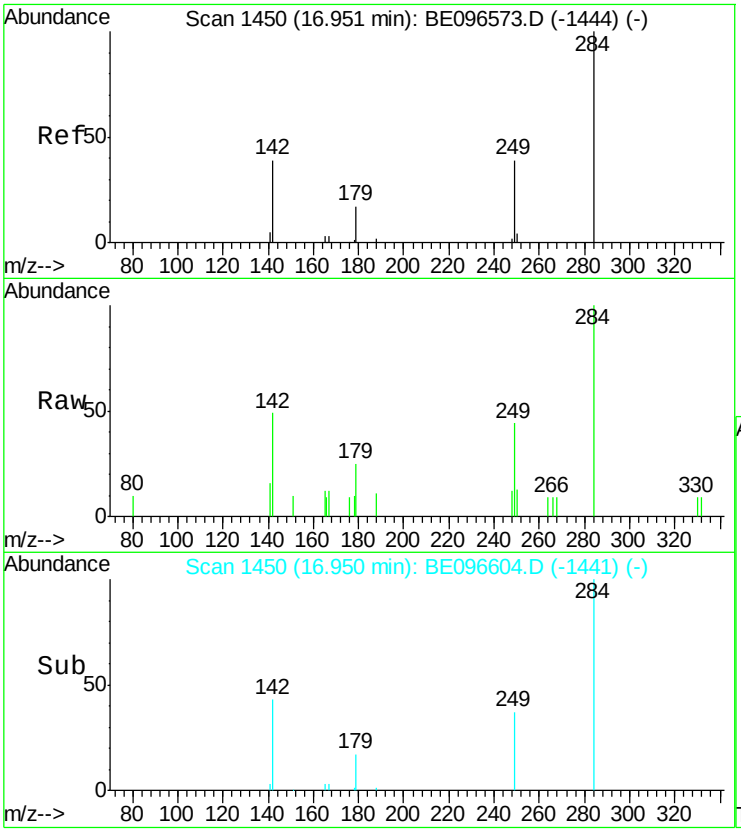


#20
4-Bromophenyl-phenylether
Concen: 0.33 ng
RT: 16.82 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:248 Resp: 651

Ion	Ratio	Lower	Upper
248	100		
250	94.4	62.7	94.1#
141	84.9	48.2	72.2#



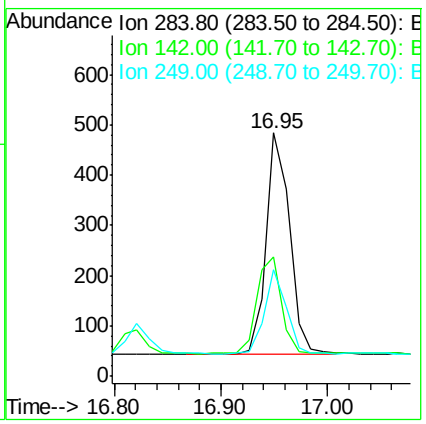


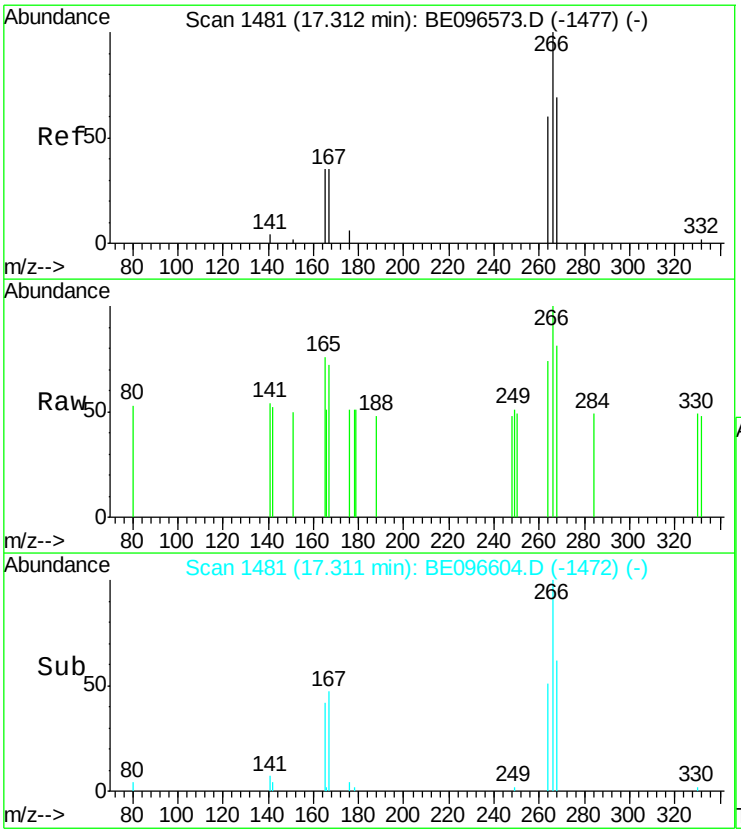
#21
Hexachlorobenzene
Concen: 0.33 ng
RT: 16.95 min Scan# 1450
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:284 Resp: 680

Ion	Ratio	Lower	Upper
284	100		
142	46.3	22.1	33.1#
249	35.7	34.8	52.2

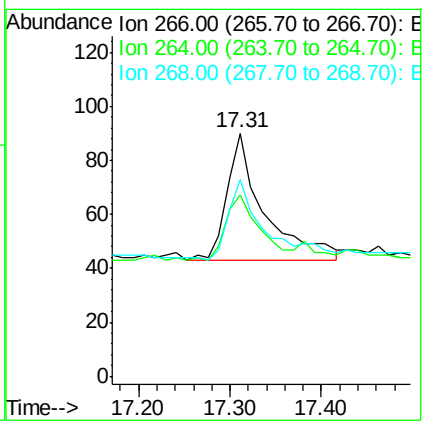


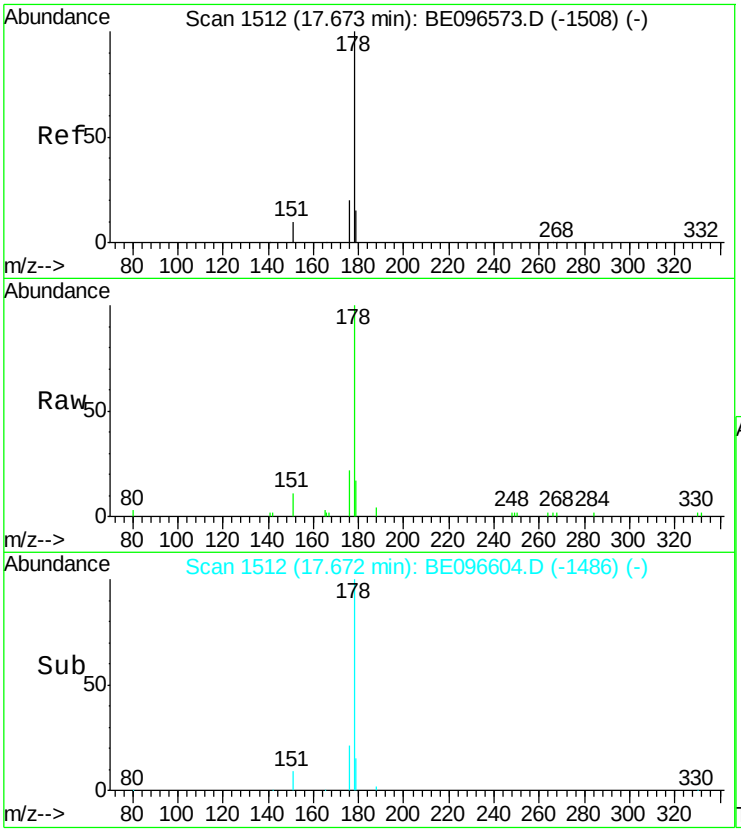


#22
Pentachlorophenol
Concen: 0.38 ng
RT: 17.31 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:266 Resp: 133

Ion	Ratio	Lower	Upper
266	100		
264	74.4	72.5	108.7
268	81.1	73.8	110.6



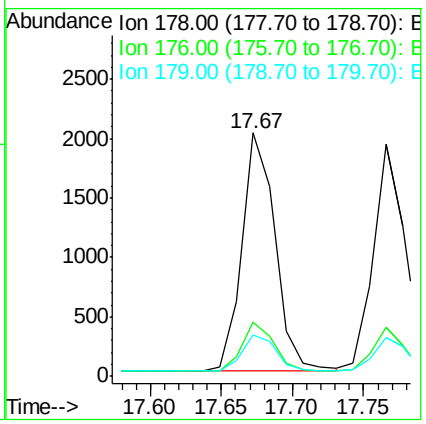


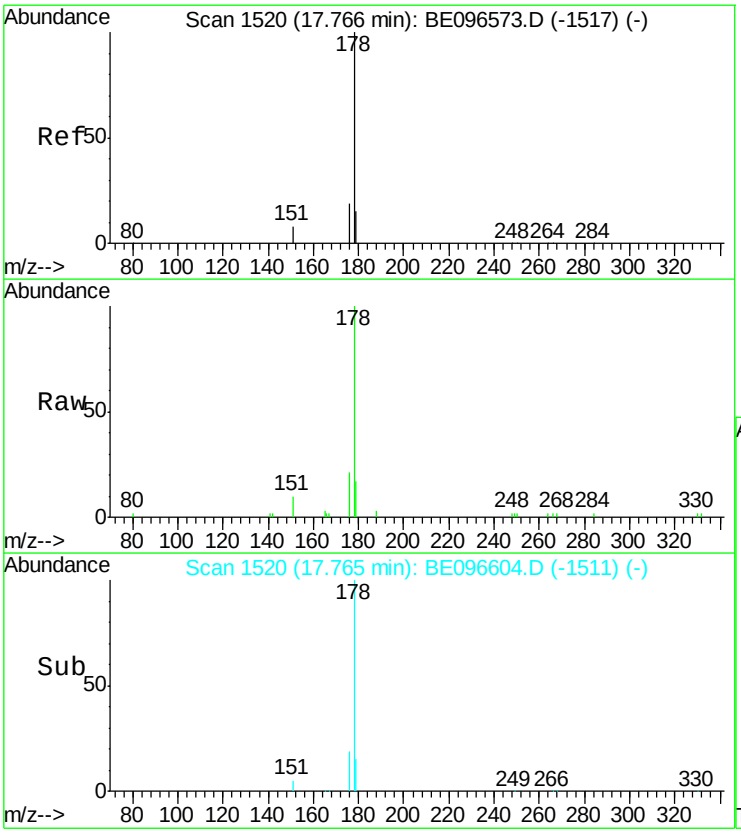
#23
Phenanthrene
Concen: 0.35 ng
RT: 17.67 min Scan# 1512
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:178 Resp: 3230

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.1	22.7
179	15.1	11.8	17.6

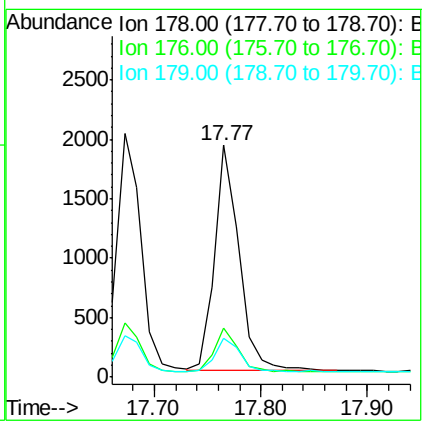


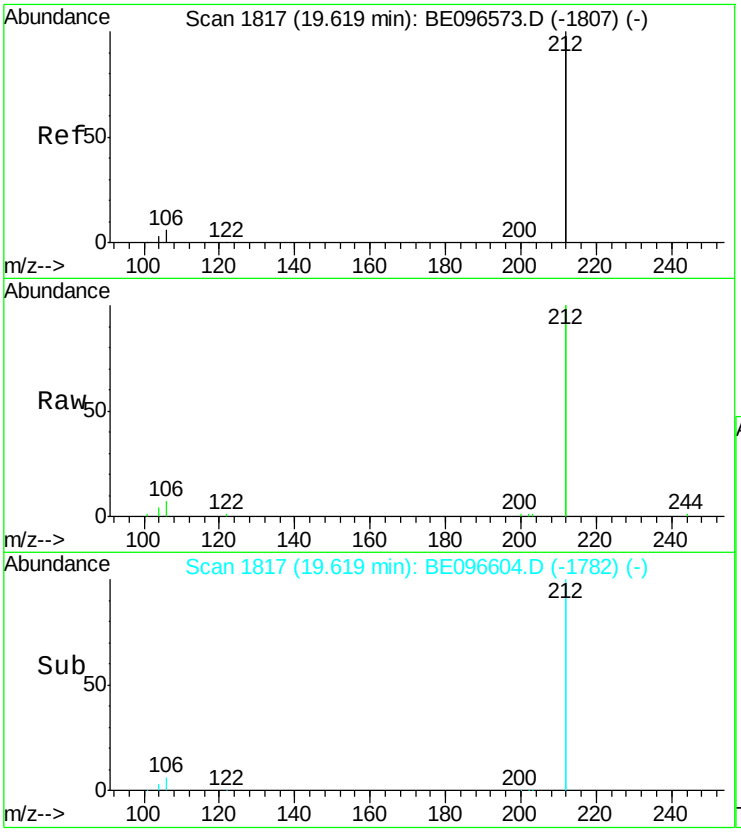


#24
Anthracene
Concen: 0.35 ng
RT: 17.77 min Scan# 1520
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:178 Resp: 3000

Ion	Ratio	Lower	Upper
178	100		
176	19.7	12.8	19.2#
179	14.7	13.0	19.6



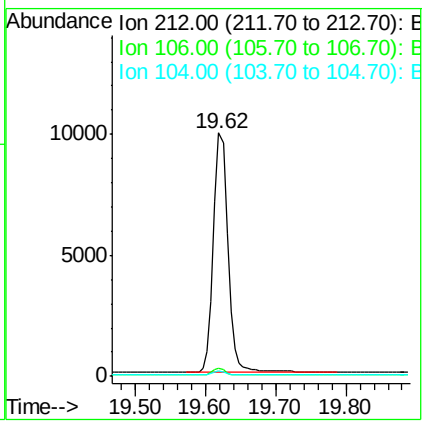


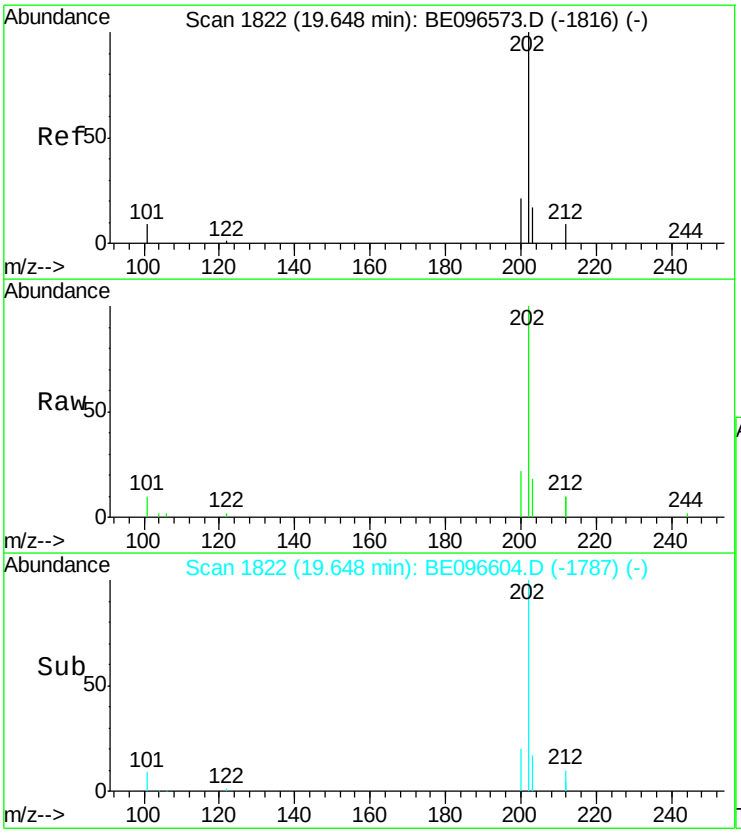
#25
Fluoranthene-d10
Concen: 0.35 ng
RT: 19.62 min Scan# 1817
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:212 Resp: 14176

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

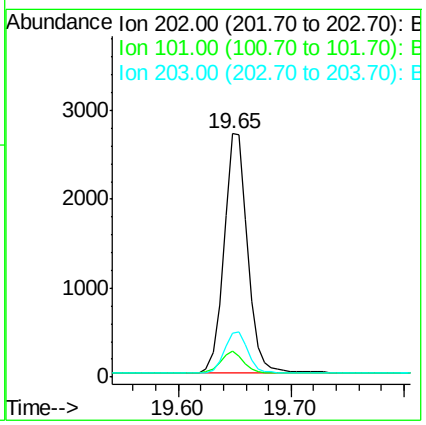


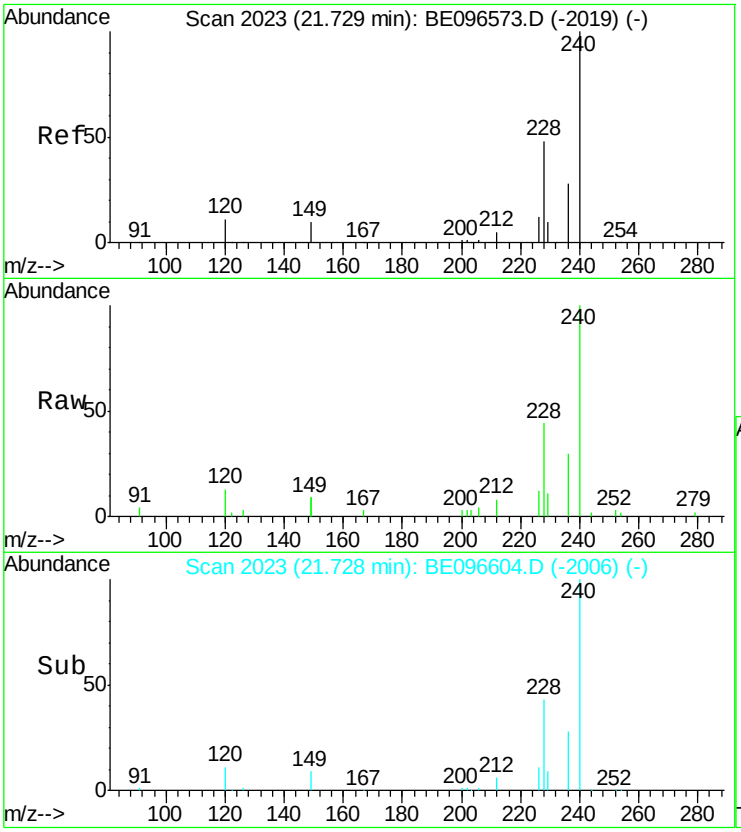


#26
Fluoranthene
Concen: 0.36 ng
RT: 19.65 min Scan# 1822
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:202 Resp: 3909

Ion	Ratio	Lower	Upper
202	100		
101	9.3	9.8	14.8#
203	17.2	13.7	20.5



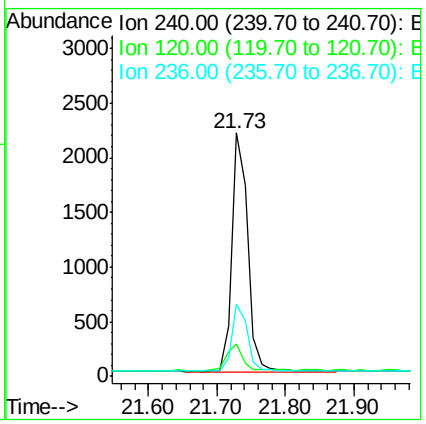


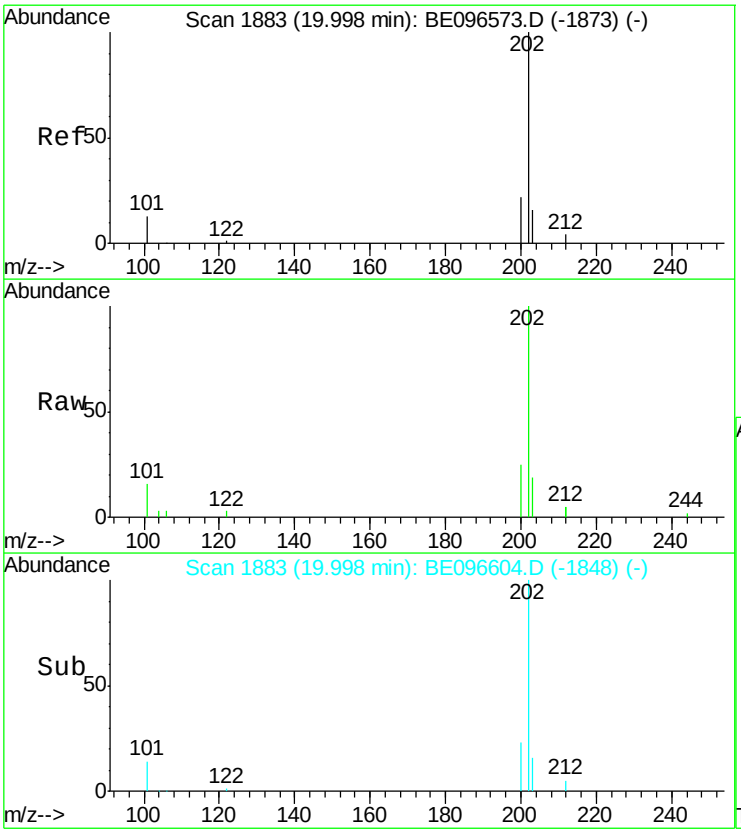
#27
Chrysene-d12
Concen: 0.40 ng
RT: 21.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:240 Resp: 3483

Ion	Ratio	Lower	Upper
240	100		
120	13.3	5.5	8.3#
236	29.5	20.7	31.1

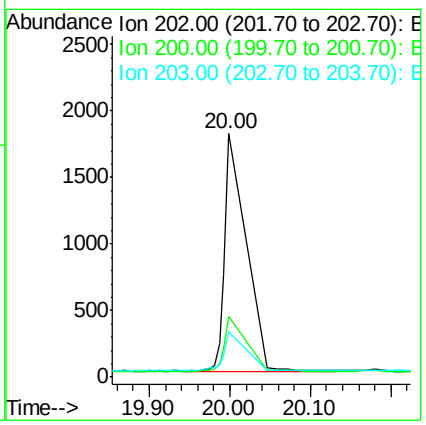


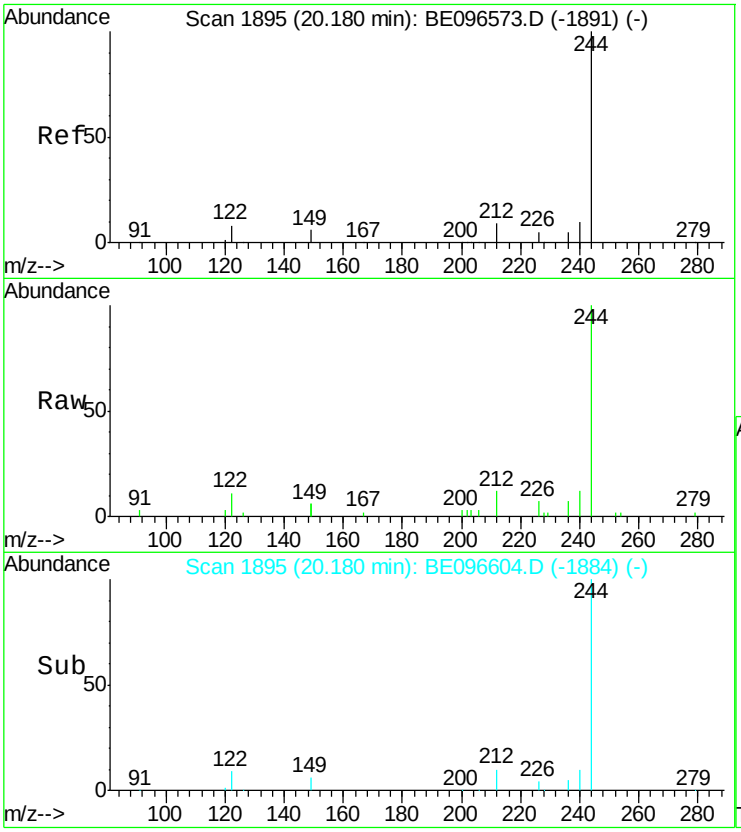


#28
Pyrene
Concen: 0.30 ng
RT: 20.00 min Scan# 1883
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:202 Resp: 1868

Ion	Ratio	Lower	Upper
202	100		
200	24.0	16.6	25.0
203	17.1	13.8	20.8



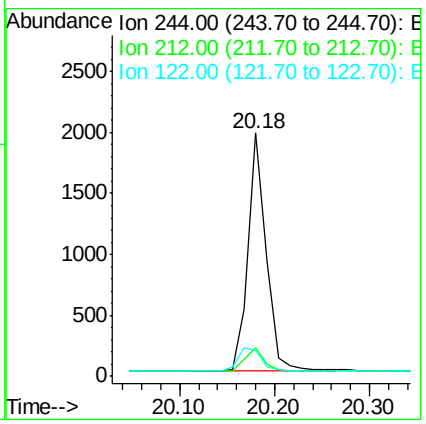


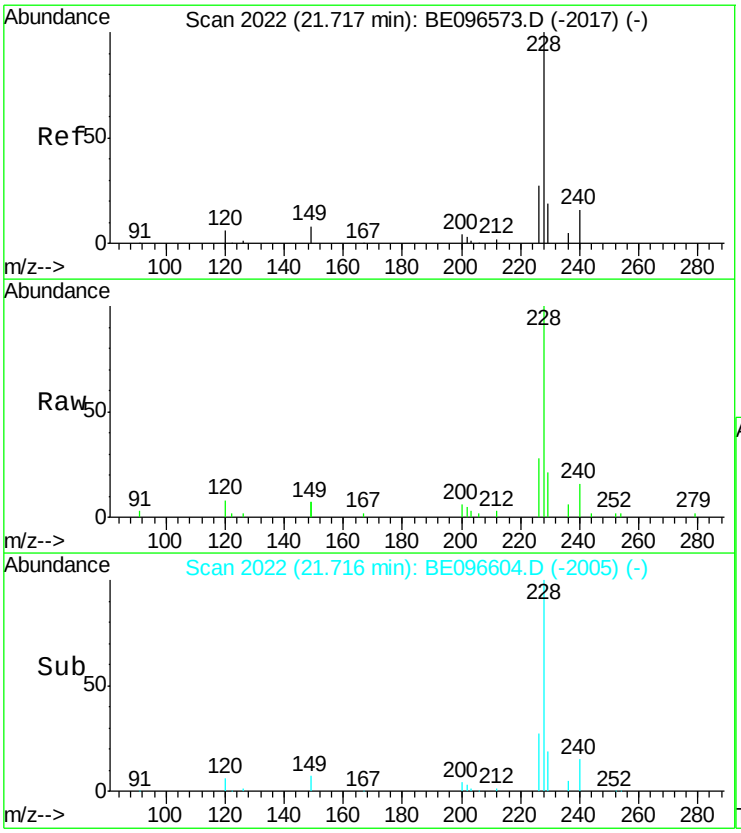
#29
Terphenyl-d14
Concen: 0.33 ng
RT: 20.18 min Scan# 1895
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:244 Resp: 2604

Ion	Ratio	Lower	Upper
244	100		
212	11.8	25.4	38.0#
122	10.8	8.1	12.1

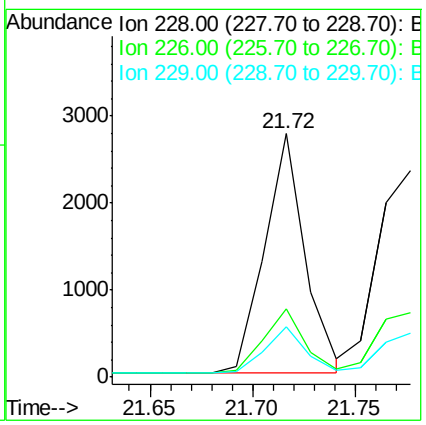


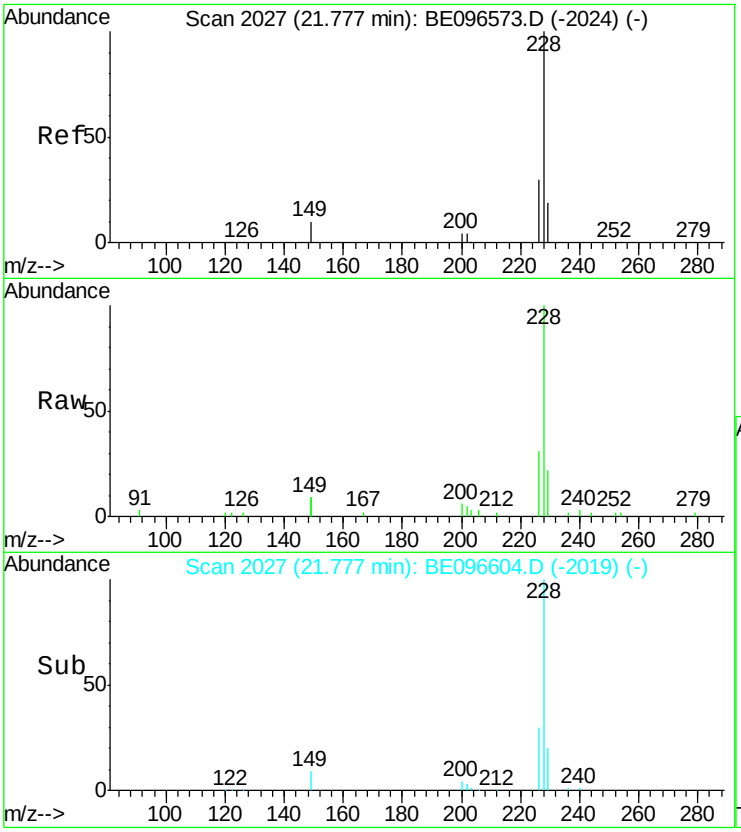


#30
Benzo(a)anthracene
Concen: 0.35 ng
RT: 21.72 min Scan# 2022
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:228 Resp: 3788

Ion	Ratio	Lower	Upper
228	100		
226	28.1	24.0	36.0
229	20.7	16.0	24.0



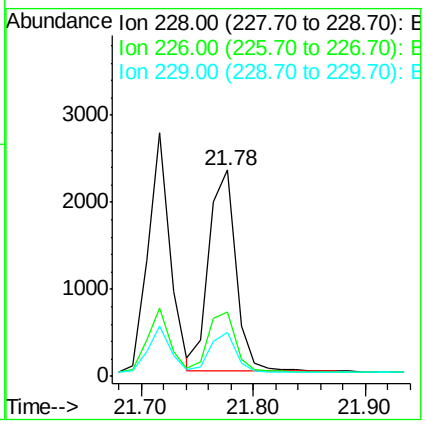


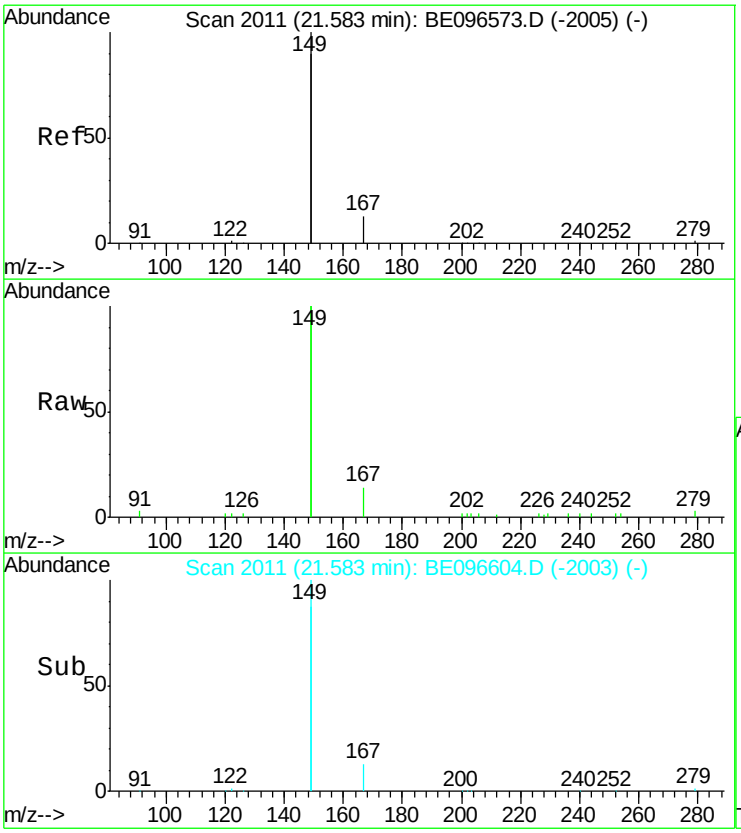
#31
Chrysene
Concen: 0.34 ng
RT: 21.78 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:228 Resp: 3838

Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.0	36.0
229	21.5	16.0	24.0

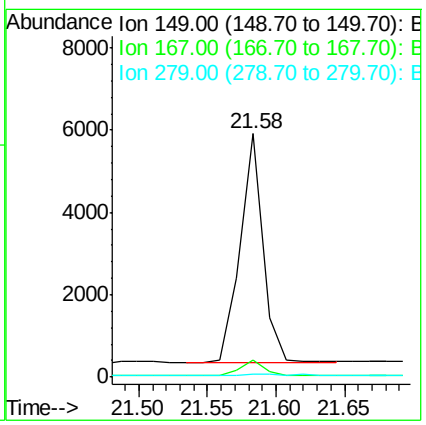


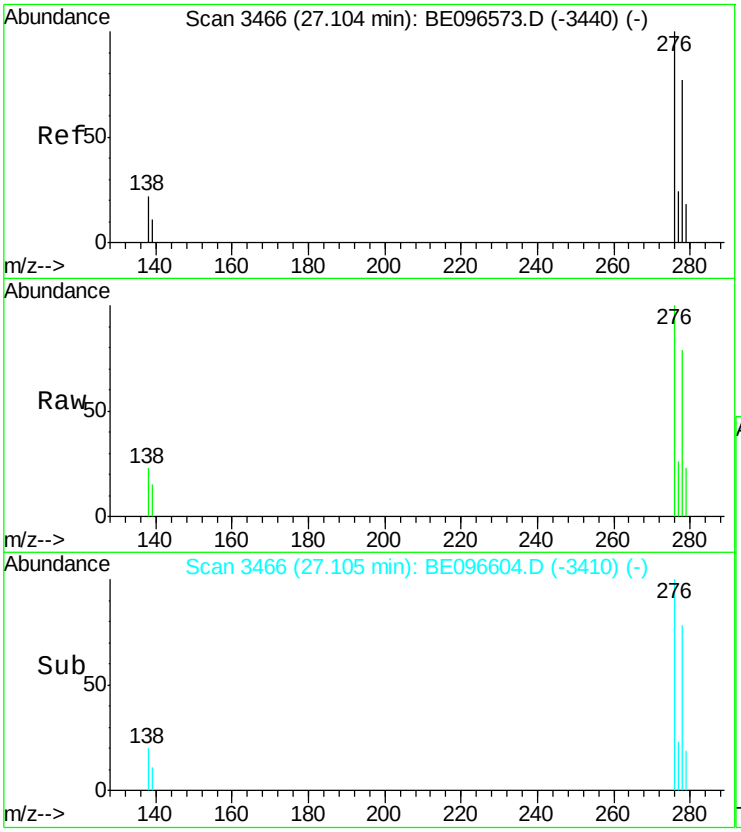


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.28 ng
RT: 21.58 min Scan# 2011
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:149 Resp: 6467

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.4	8.0
279	1.1	0.7	1.1



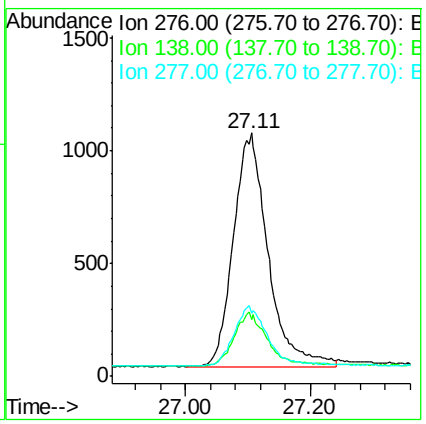


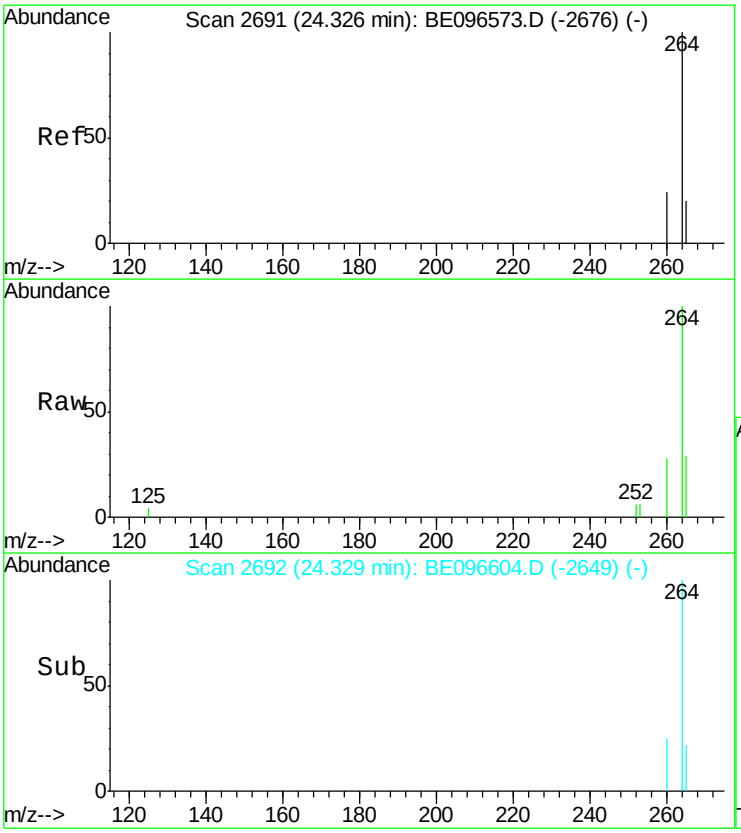
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.37 ng
RT: 27.11 min Scan# 3466
Delta R.T. 0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:276 Resp: 3983

Ion	Ratio	Lower	Upper
276	100		
138	21.7	22.5	33.7#
277	24.6	19.9	29.9

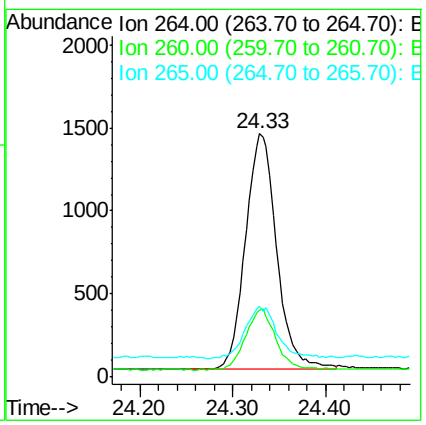


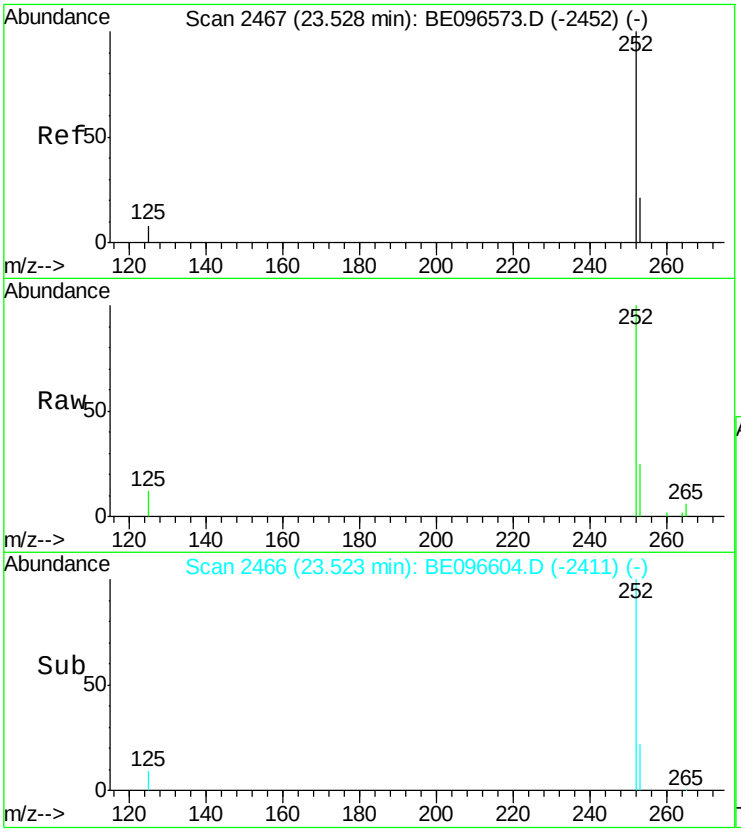


#34
Perylene-d12
Concen: 0.40 ng
RT: 24.33 min Scan# 2692
Delta R.T. 0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:264 Resp: 3300

Ion	Ratio	Lower	Upper
264	100		
260	27.7	20.5	30.7
265	28.9	22.8	34.2



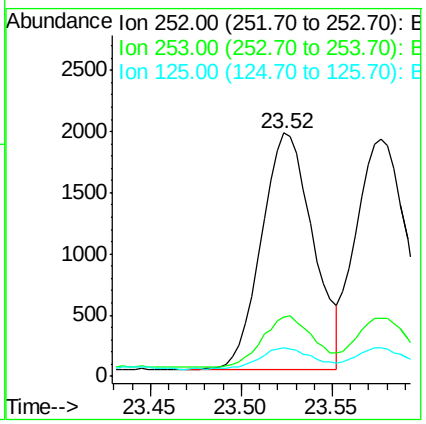


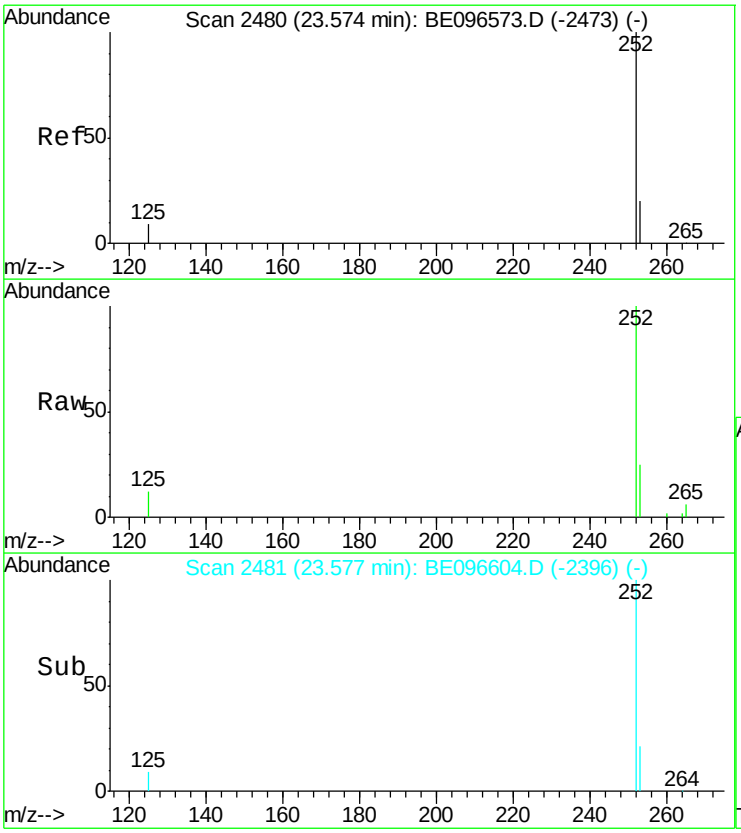
#35
Benzo(b)fluoranthene
Concen: 0.37 ng
RT: 23.52 min Scan# 2466
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:252 Resp: 3806

Ion	Ratio	Lower	Upper
252	100		
253	24.6	20.0	30.0
125	11.7	16.0	24.0#

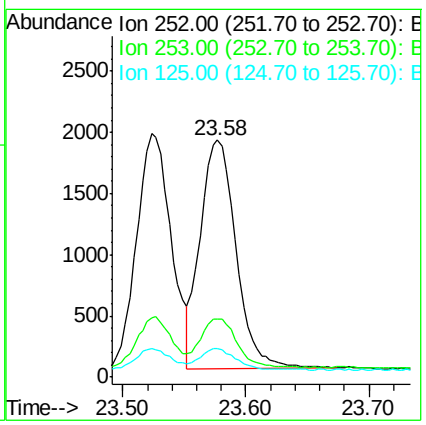


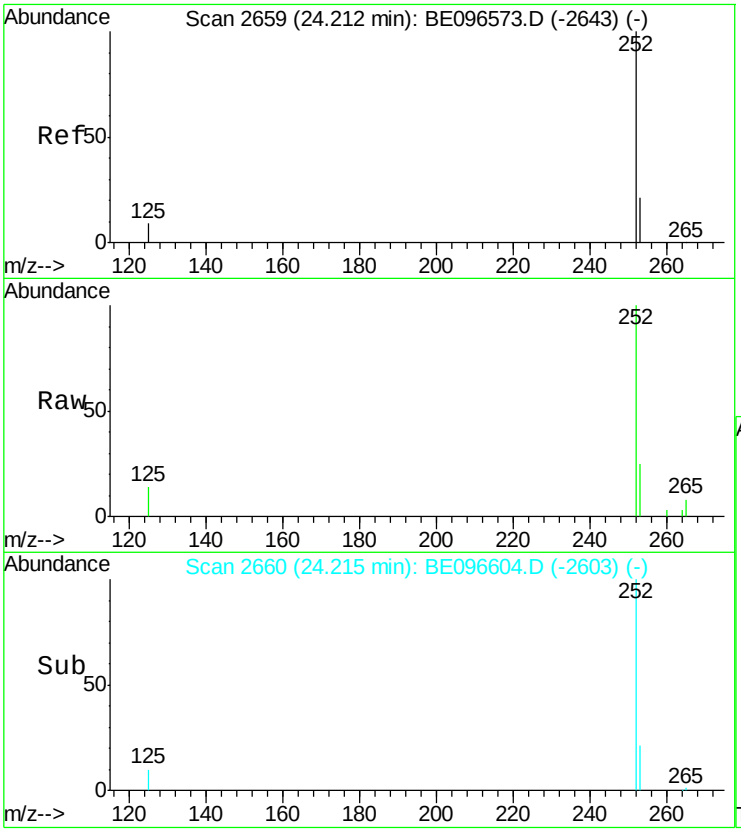


#36
Benzo(k)fluoranthene
Concen: 0.35 ng
RT: 23.58 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:252 Resp: 3781

Ion	Ratio	Lower	Upper
252	100		
253	24.7	16.0	24.0#
125	11.9	8.0	12.0



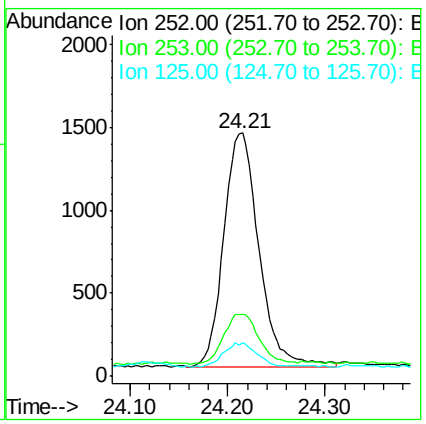


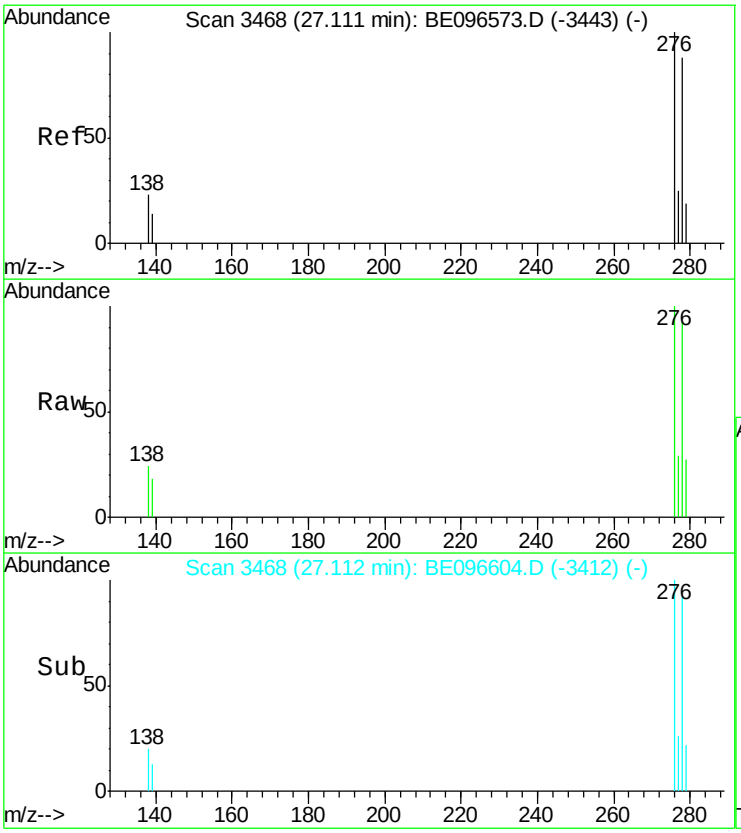
#37
Benzo(a)pyrene
Concen: 0.37 ng
RT: 24.21 min Scan# 2660
Delta R.T. 0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:252 Resp: 3554

Ion	Ratio	Lower	Upper
252	100		
253	25.4	16.0	24.0#
125	14.0	12.0	18.0

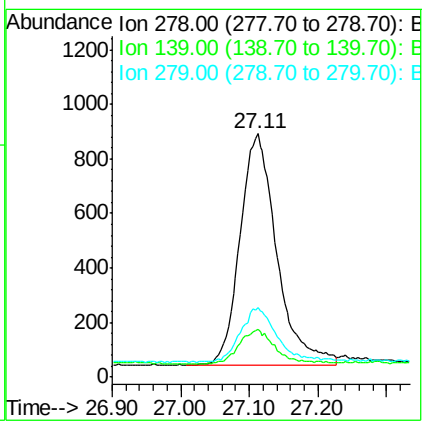


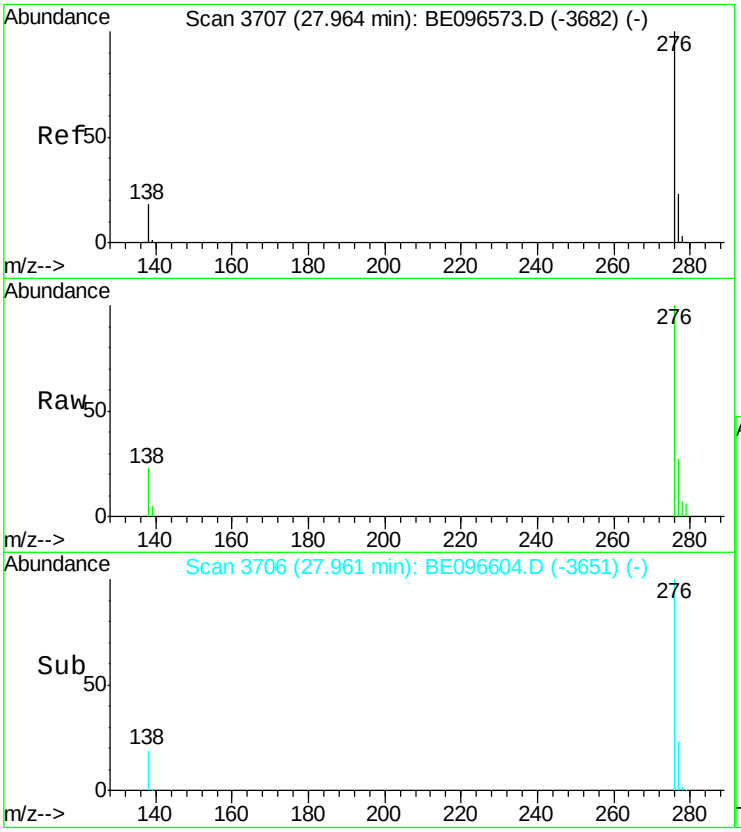


#38
Dibenzo(a,h)anthracene
Concen: 0.36 ng
RT: 27.11 min Scan# 3468
Delta R.T. 0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Tgt Ion:278 Resp: 3167

Ion	Ratio	Lower	Upper
278	100		
139	19.5	16.0	24.0
279	28.7	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.38 ng
RT: 27.96 min Scan# 3706
Delta R.T. -0.00 min
Lab File: BE096604.D
Acq: 17 May 2018 11:41

Instrument :
BNA_E
ClientSampleId :
PB109397BSD

Tgt Ion:276 Resp: 3523

Ion	Ratio	Lower	Upper
276	100		
277	27.4	16.0	24.0#
138	23.0	20.0	30.0