Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA E\DATA\BE050218\
Data File : BE096293.D
Acq On : 2 May 2018 14:03
Operator : SJ/JU
Sample : PB108755BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB108755BSD

Quant Time: May 03 01:49:31 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.36	152	788	0.40	ng		0.00
7) Naphthalene-d8	11.19	136	2769	0.40	ng		0.00
13) Acenaphthene-d10	14.93	164	1370	0.40	ng		-0.01
19) Phenanthrene-d10	17.65	188	3255	0.40	ng		0.00
27) Chrysene-d12	21.74	240	3378	0.40	ng		0.00
34) Perylene-d12	24.35	264	2980	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.87	112	753	0.31	ng		0.01
5) Phenol-d6	7.52	99	1005	0.30	ng		0.01
8) Nitrobenzene-d5	9.54	82	1534	0.47	ng		0.00
11) 2-Methylnaphthalene-d10	12.73	152	1359	0.31	ng		0.00
14) 2,4,6-Tribromophenol	16.41	330	150	0.23	ng		0.00
15) 2-Fluorobiphenyl	13.57	172	2904	0.50	ng		0.00
25) Fluoranthene-d10	19.63	212	14393	0.33	ng		0.00
29) Terphenyl-d14	20.19	244	3434	0.46	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.60	88	358	0.294	ng	#	68
3) n-Nitrosodimethylamine	3.95	42	560	0.376	ng	#	71
6) bis(2-Chloroethyl)ether	7.76	93	901	0.304	ng		90
9) Naphthalene	11.23	128	10343	0.354	ng		99
10) Hexachlorobutadiene	11.50	225	414	0.320	ng		94
12) 2-Methylnaphthalene	12.80	142	1653	0.342	ng	#	92
16) Acenaphthylene	14.67	152	2486	0.340	ng		99
17) Acenaphthene	15.00	154	1457	0.331	ng	#	91
18) Fluorene	15.97	166	2337	0.430	ng	#	77
20) 4-Bromophenyl-phenylether	16.83	248	591	0.306	ng	#	72
21) Hexachlorobenzene	16.96	284	614	0.319	ng	#	78
22) Pentachlorophenol	17.31	266	80	0.226	ng		90
23) Phenanthrene	17.68	178	3214	0.351	ng		97
24) Anthracene	17.78	178	3068	0.351	ng	#	94
26) Fluoranthene	19.66	202	4260	0.355	ng		97
28) Pyrene	20.00	202	416	0.063	ng	#	78
30) Benzo(a)anthracene	21.73	228	3679	0.340	ng		98
31) Chrysene	21.79	228	3838	0.367	ng		97
32) Bis(2-ethylhexyl)phthalate	21.60	149	8130	0.291	ng	#	100
33) Indeno(1,2,3-cd)pyrene	27.13	276	2803	0.276	ng	#	93
35) Benzo(b)fluoranthene	23.54	252	3328	0.372	ng	#	94
36) Benzo(k)fluoranthene	23.59	252	3416	0.372	ng	#	88
37) Benzo(a)pyrene	24.23	252	3219	0.375	ng	#	91
38) Dibenzo(a,h)anthracene	27.15	278	2028	0.268	ng	#	86
39) Benzo(g,h,i)perylene	27.99	276	2585	0.323	ng	#	89

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

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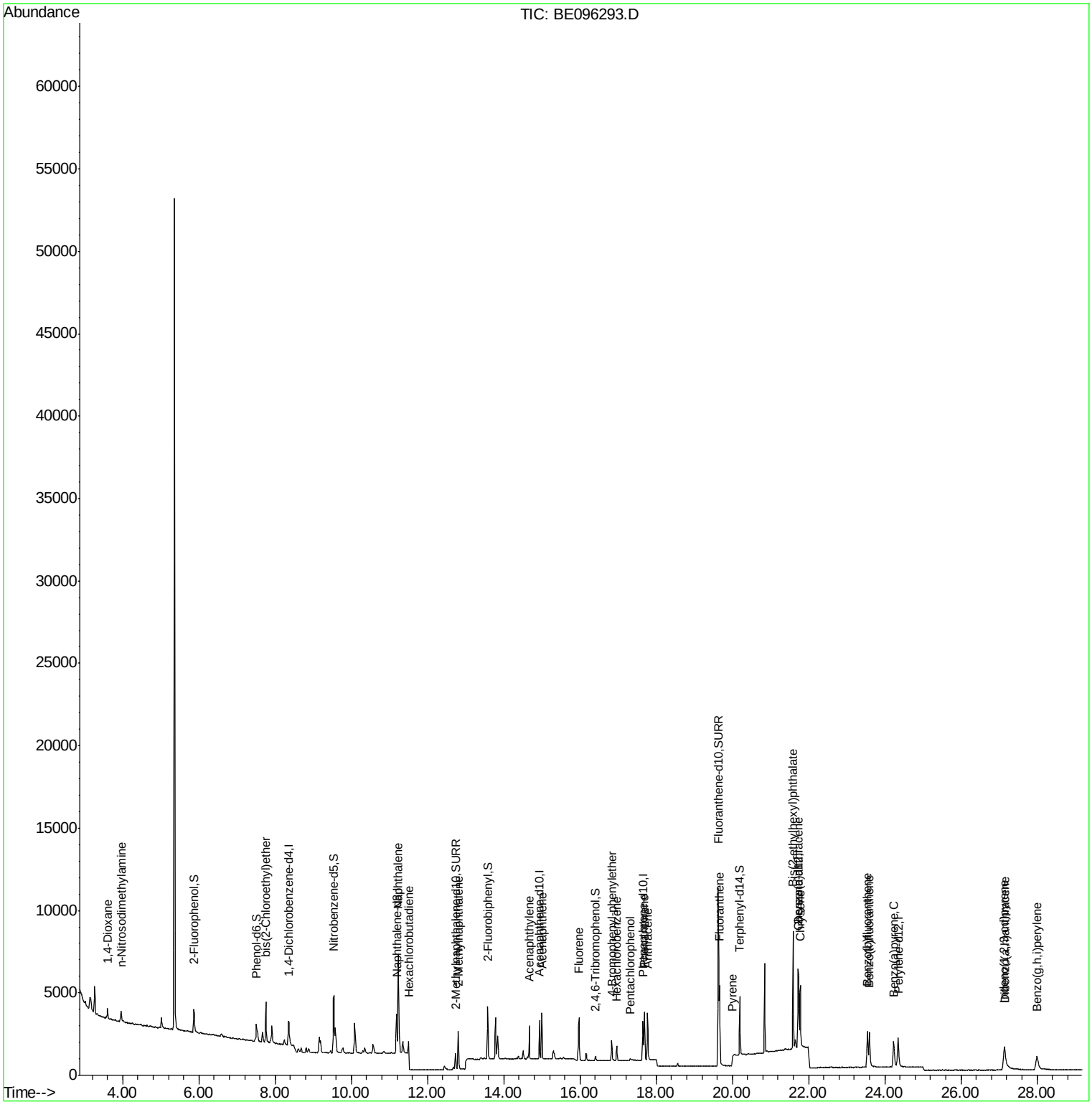
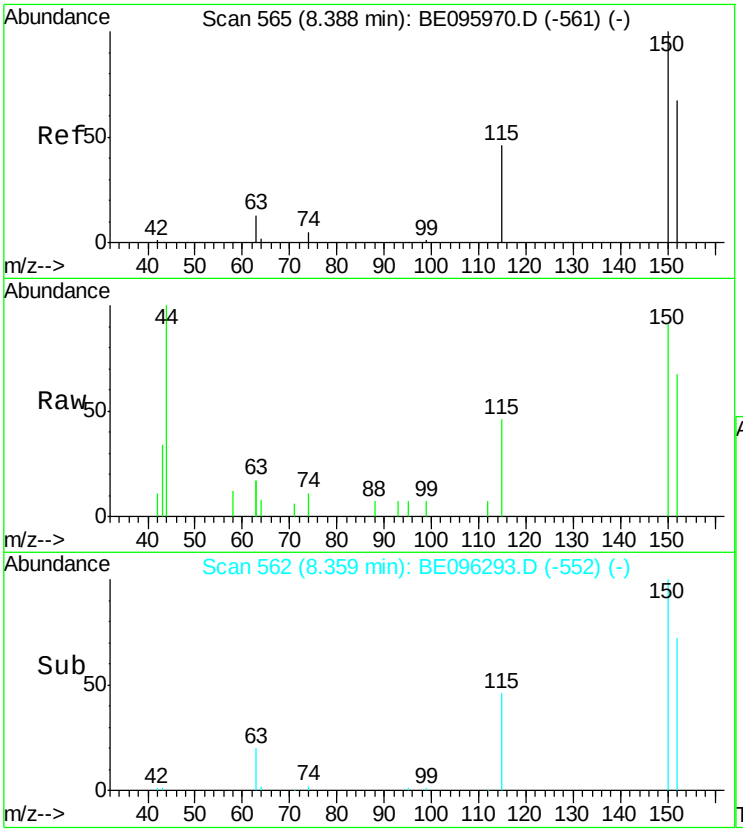
Data File : BE096293.D
Acq On : 2 May 2018 14:03
Operator : SJ/JU
Sample : PB108755BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Quant Time: May 03 01:49:31 2018
Quant Method : Z:\HPCHEM1\BNA E\METHODS\8270-SIM-BE041118.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 30 14:27:29 2018
Response via : Initial Calibration



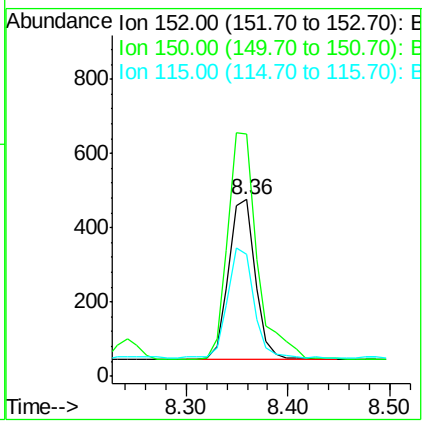


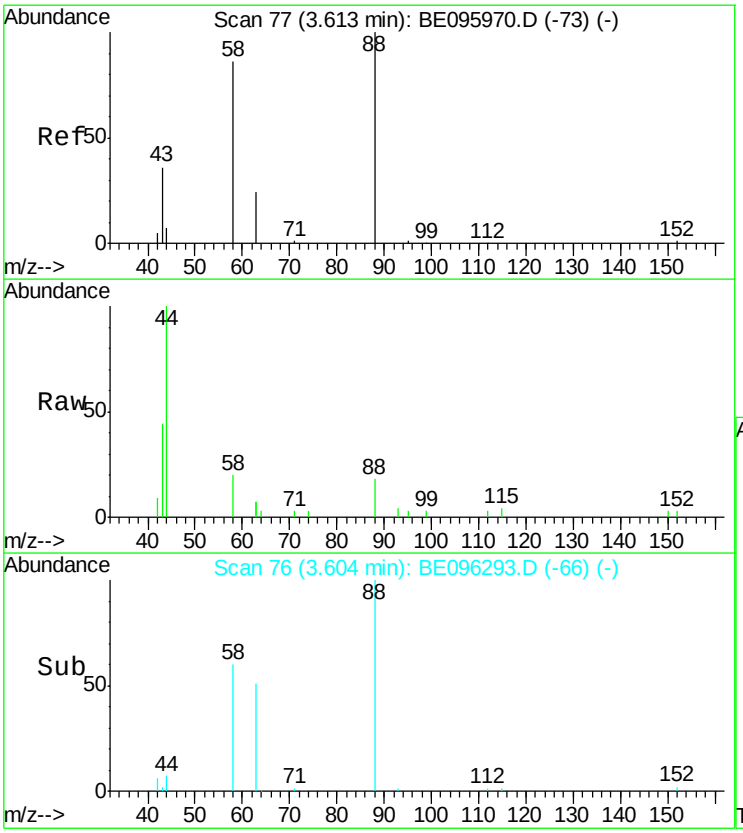
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 8.36 min Scan# 562
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:152 Resp: 788

Ion	Ratio	Lower	Upper
152	100		
150	137.0	117.2	175.8
115	68.7	57.0	85.6

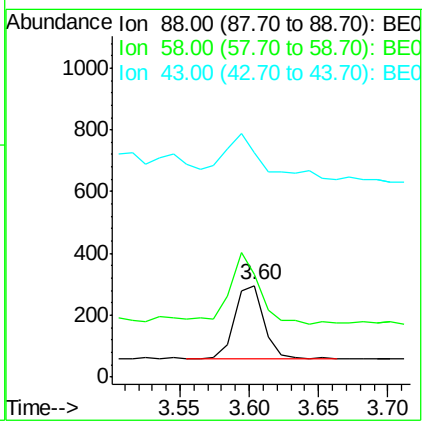


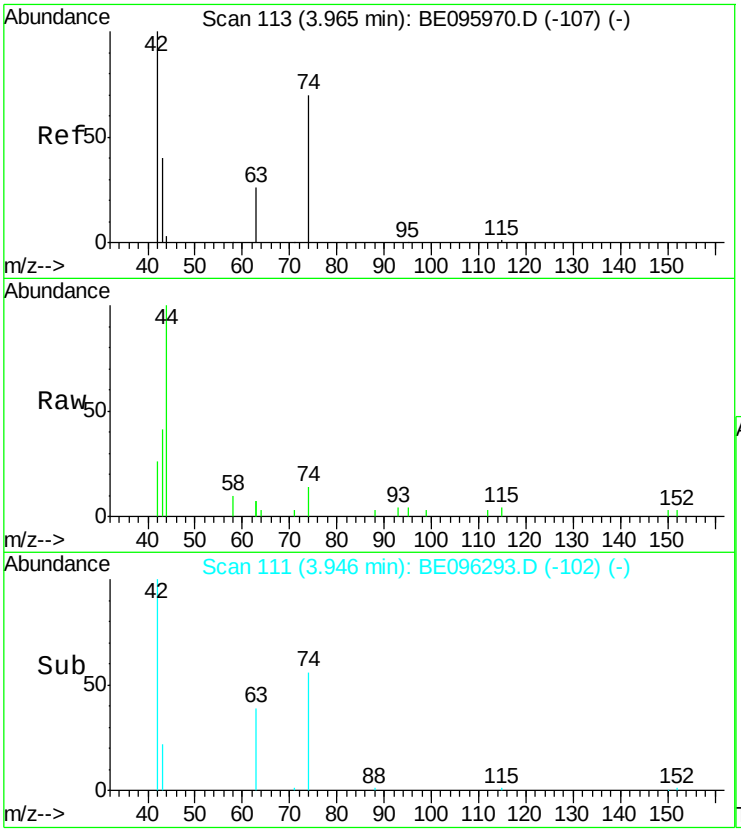


#2
1,4-Dioxane
Concen: 0.294 ng
RT: 3.60 min Scan# 76
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion: 88 Resp: 358

Ion	Ratio	Lower	Upper
88	100		
58	99.7	63.2	94.8#
43	82.1	41.2	61.8#



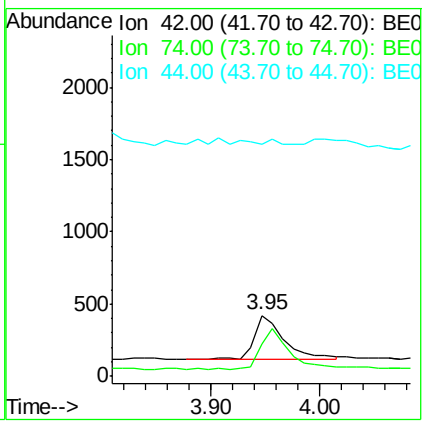


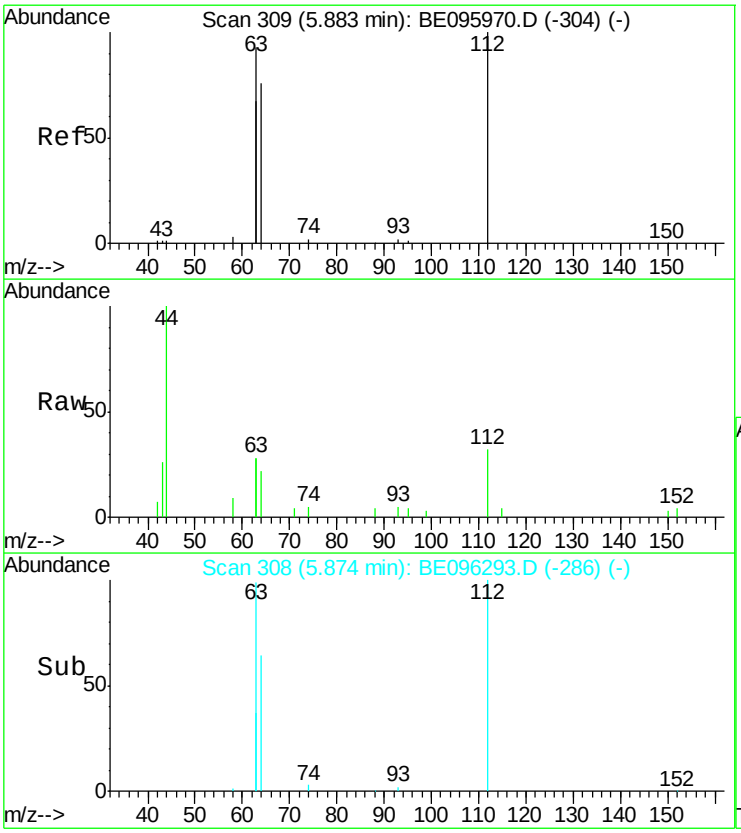
#3
n-Nitrosodimethylamine
Concen: 0.376 ng
RT: 3.95 min Scan# 111
Delta R.T. -0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion: 42 Resp: 560

Ion	Ratio	Lower	Upper
42	100		
74	89.3	96.0	144.0#
44	0.0	12.0	18.0#

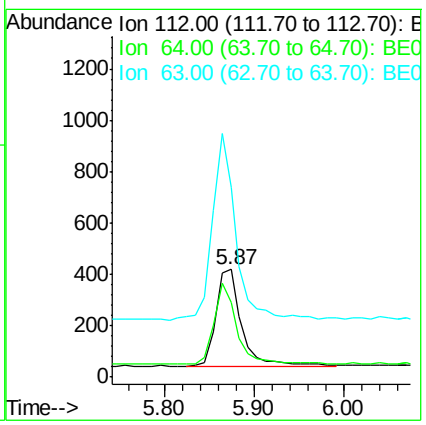


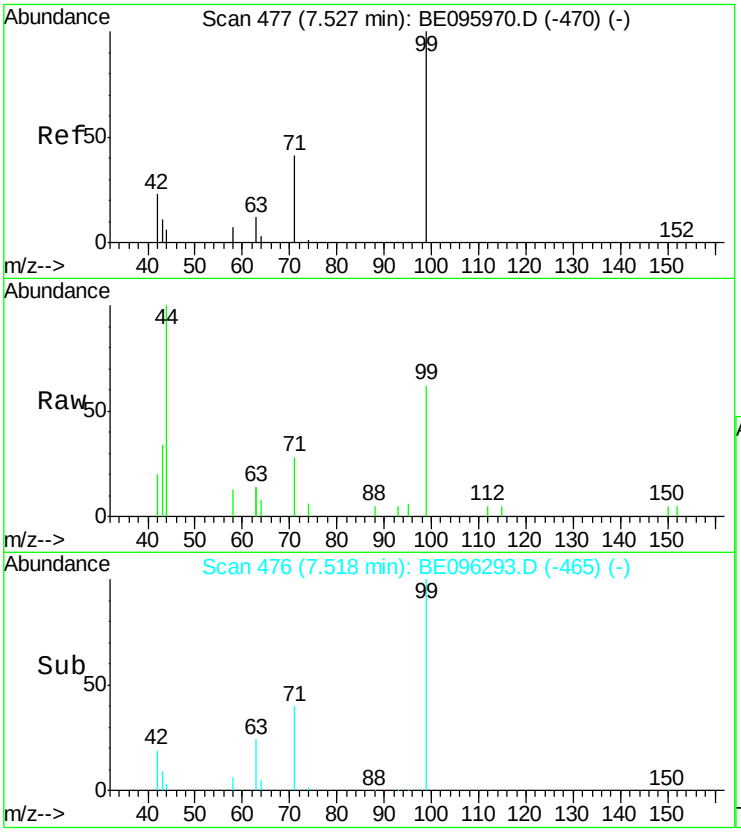


#4
2-Fluorophenol
Concen: 0.309 ng
RT: 5.87 min Scan# 308
Delta R.T. 0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:112 Resp: 753

Ion	Ratio	Lower	Upper
112	100		
64	74.2	60.1	90.1
63	176.6	116.8	175.2#



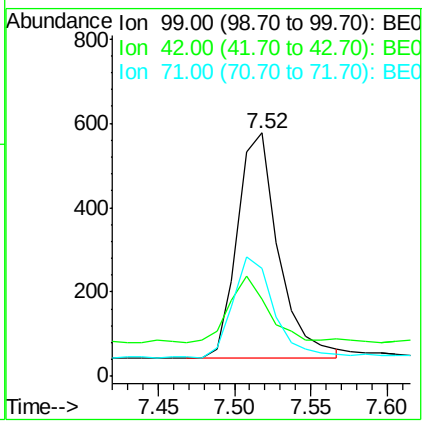


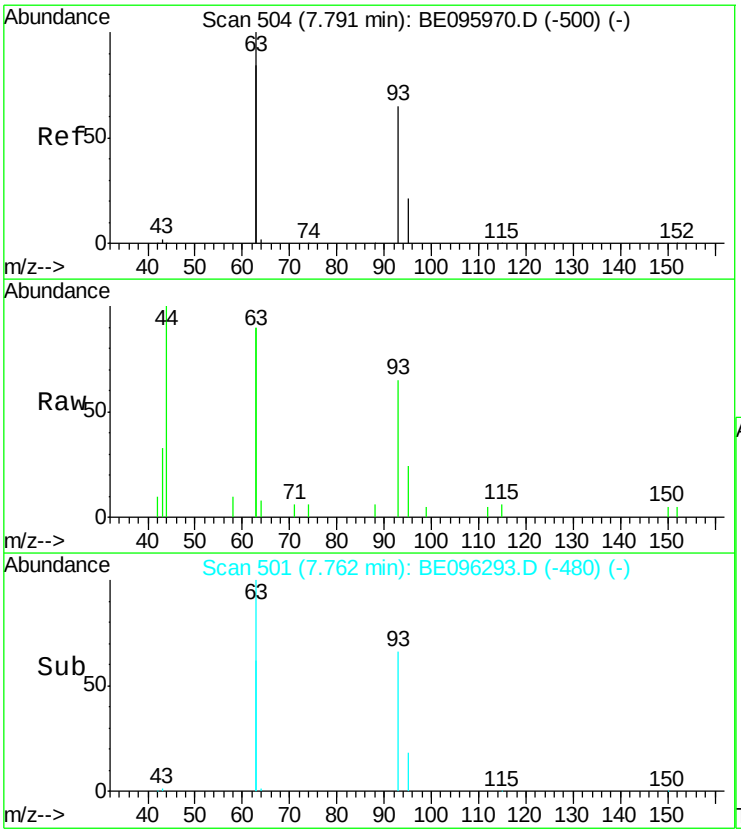
#5
Phenol-d6
Concen: 0.299 ng
RT: 7.52 min Scan# 476
Delta R.T. 0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion: 99 Resp: 1005

Ion	Ratio	Lower	Upper
99	100		
42	27.9	20.2	30.2
71	44.1	28.4	42.6#

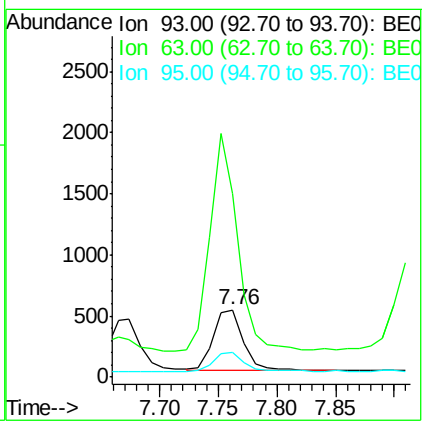


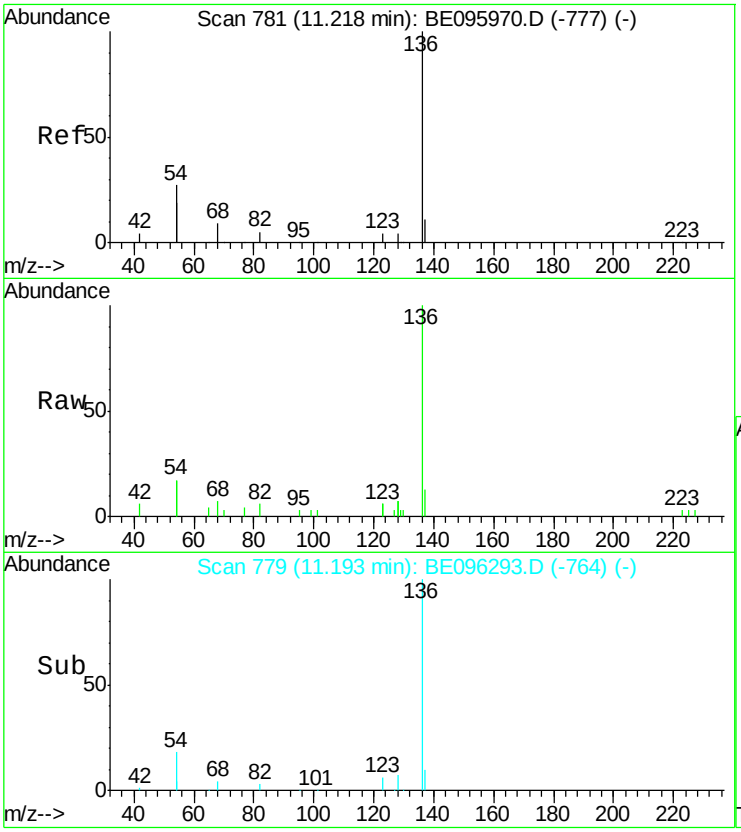


#6
bis(2-Chloroethyl)ether
Concen: 0.304 ng
RT: 7.76 min Scan# 501
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion: 93 Resp: 901

Ion	Ratio	Lower	Upper
93	100		
63	321.9	275.3	412.9
95	32.0	25.2	37.8



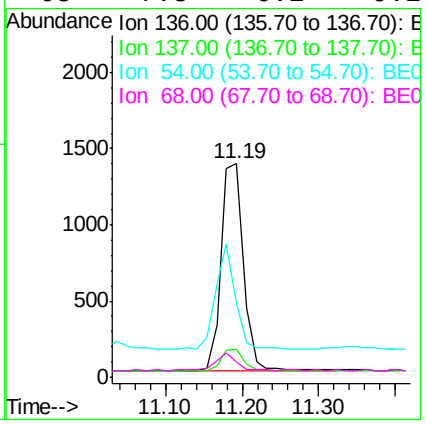


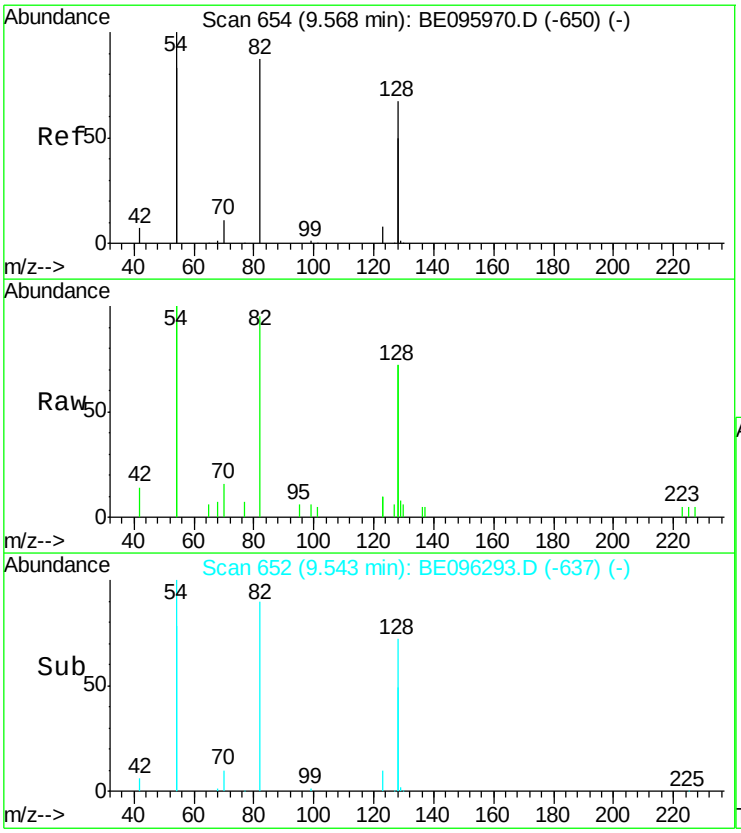
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 11.19 min Scan# 779
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:136 Resp: 2769

Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.5	14.3
54	34.7	29.1	43.7
68	7.3	6.2	9.2

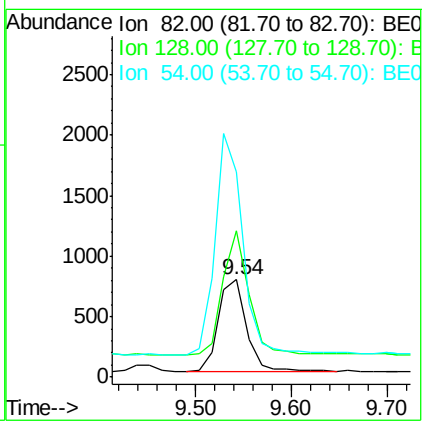


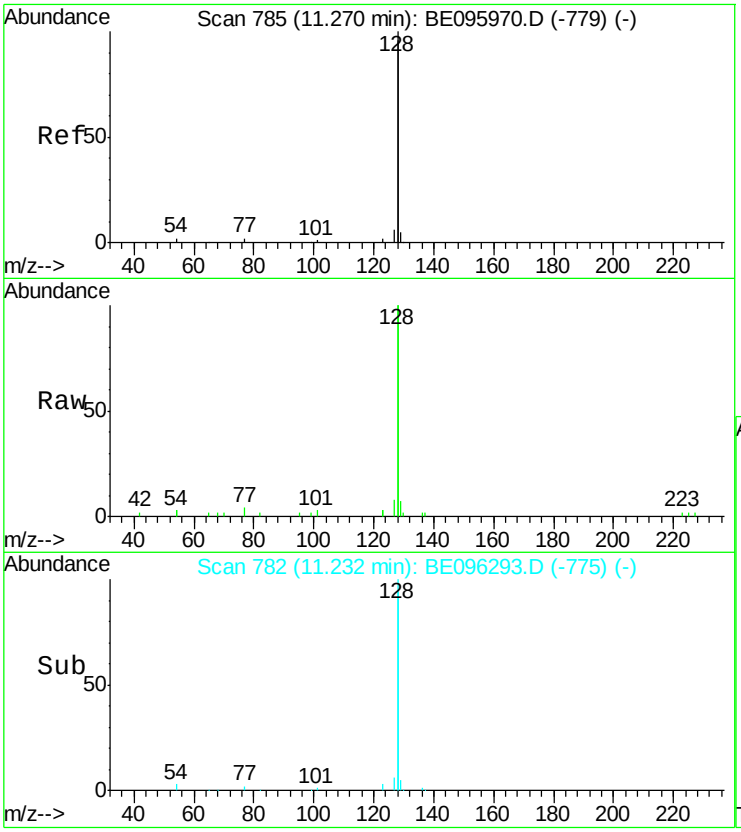


#8
Nitrobenzene-d5
Concen: 0.472 ng
RT: 9.54 min Scan# 652
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion: 82 Resp: 1534

Ion	Ratio	Lower	Upper
82	100		
128	150.4	150.0	225.0
54	209.9	154.2	231.4



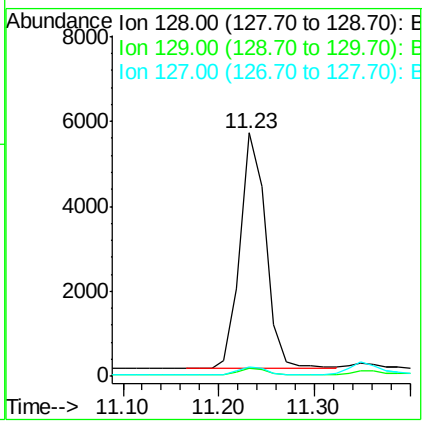


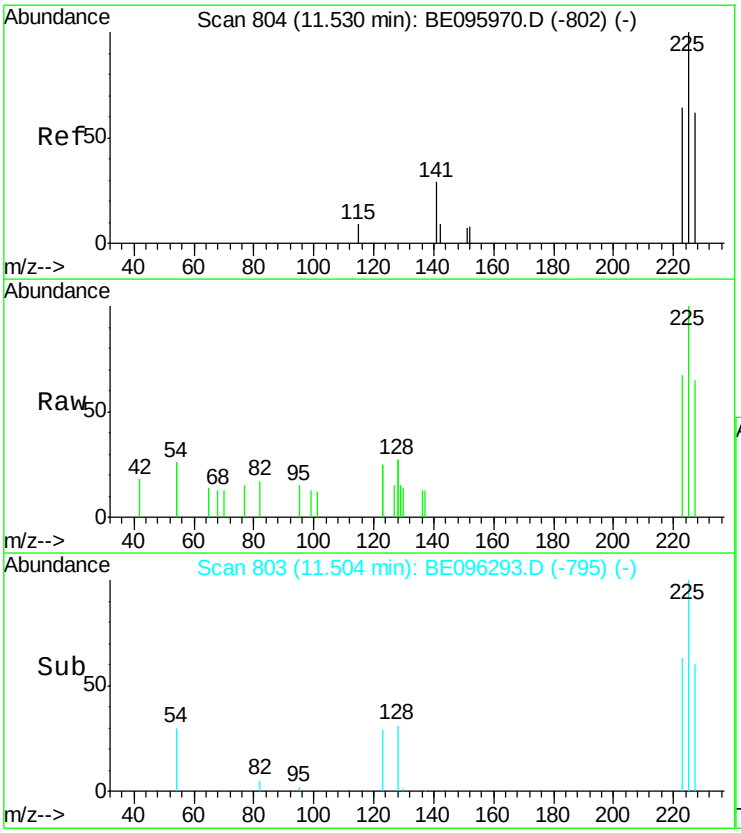
#9
Naphthalene
Concen: 0.354 ng
RT: 11.23 min Scan# 782
Delta R.T. -0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:128 Resp: 10343

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	3.8
127	3.9	2.8	4.2

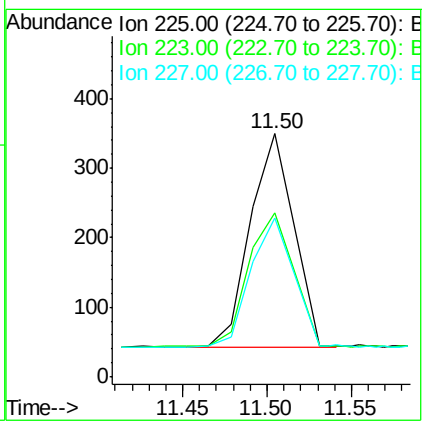


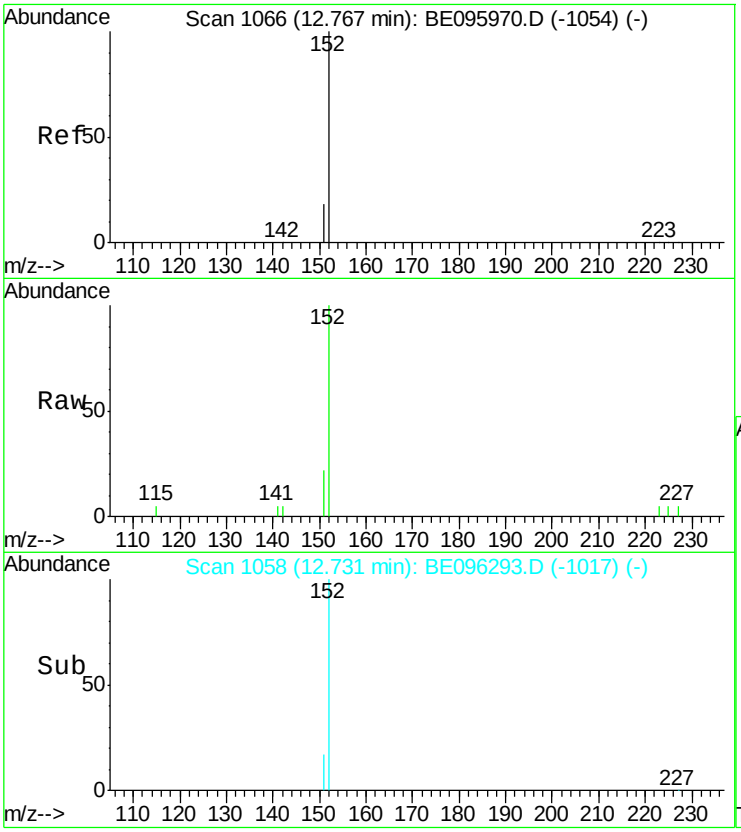


#10
Hexachlorobutadiene
Concen: 0.320 ng
RT: 11.50 min Scan# 803
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:225 Resp: 414

Ion	Ratio	Lower	Upper
225	100		
223	59.4	53.0	79.6
227	67.6	51.4	77.2



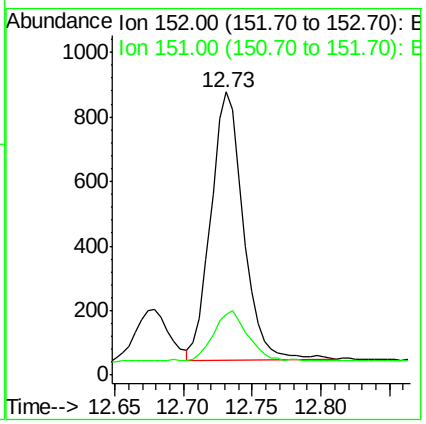


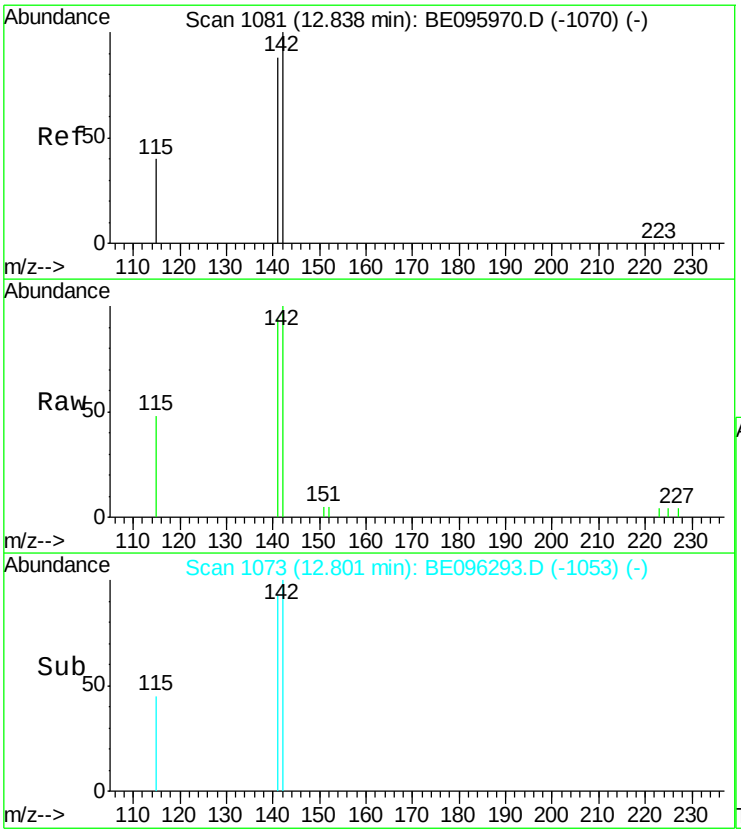
#11
2-Methylnaphthalene-d10
Concen: 0.310 ng
RT: 12.73 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:152 Resp: 1359

Ion	Ratio	Lower	Upper
152	100		
151	20.5	15.4	23.0

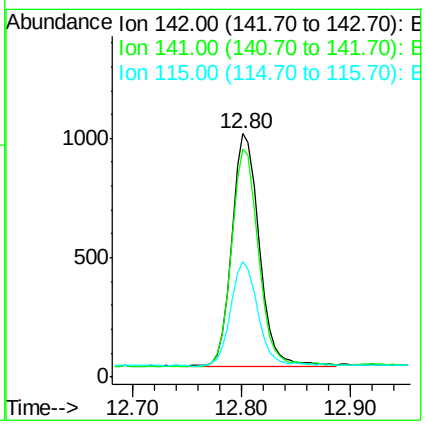


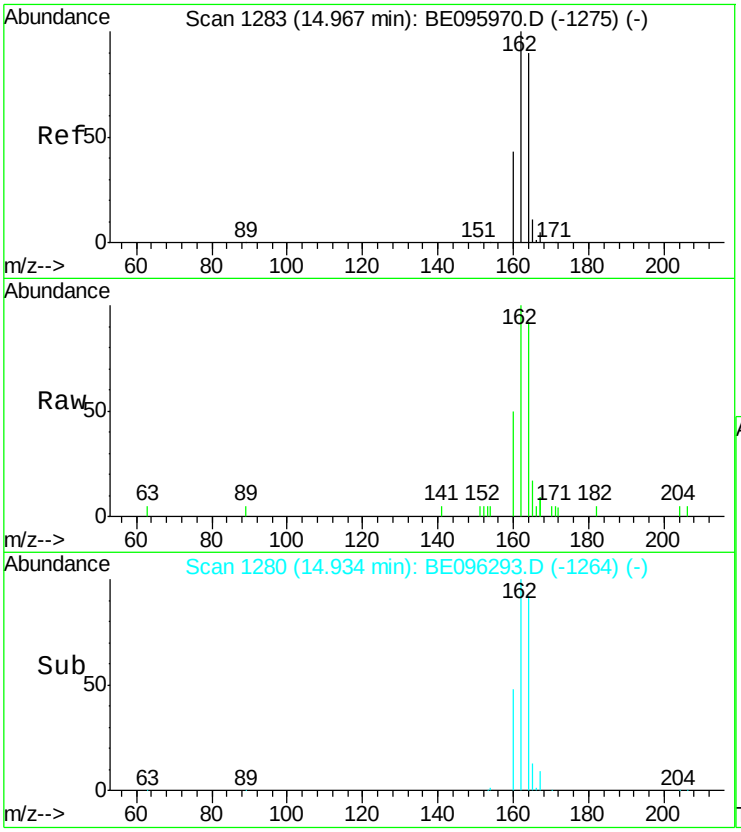


#12
2-Methylnaphthalene
Concen: 0.342 ng
RT: 12.80 min Scan# 1073
Delta R.T. -0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:142 Resp: 1653

Ion	Ratio	Lower	Upper
142	100		
141	93.5	70.4	105.6
115	47.5	31.7	47.5#



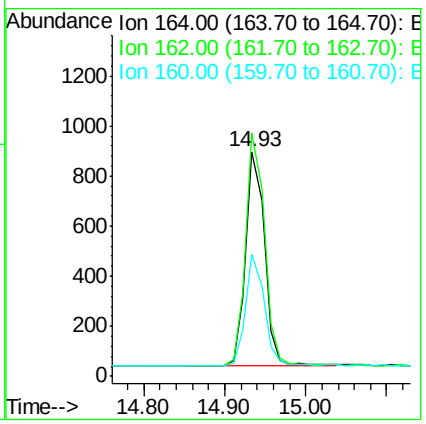


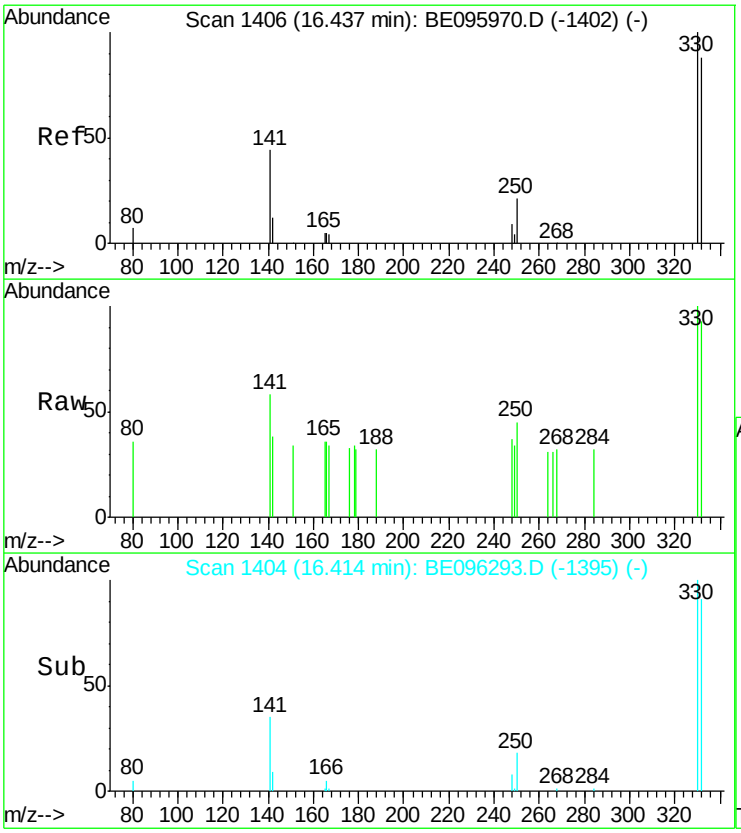
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.93 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:164 Resp: 1370

Ion	Ratio	Lower	Upper
164	100		
162	108.4	83.1	124.7
160	54.4	37.1	55.7

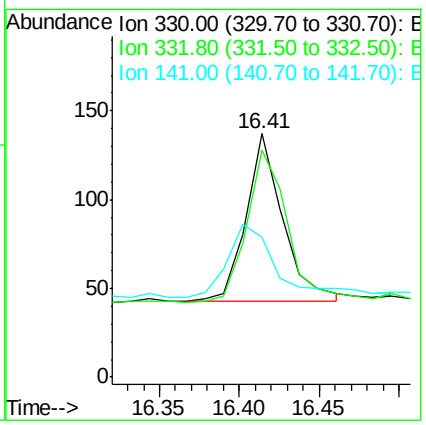


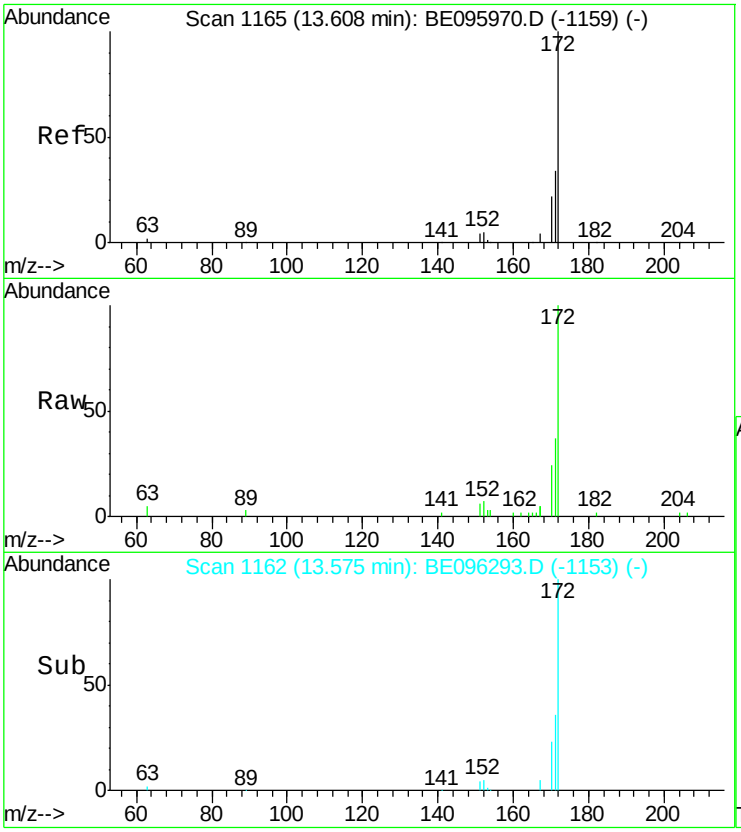


#14
2,4,6-Tribromophenol
Concen: 0.227 ng
RT: 16.41 min Scan# 1404
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:330 Resp: 150

Ion	Ratio	Lower	Upper
330	100		
332	101.3	152.7	229.1#
141	54.0	33.7	50.5#



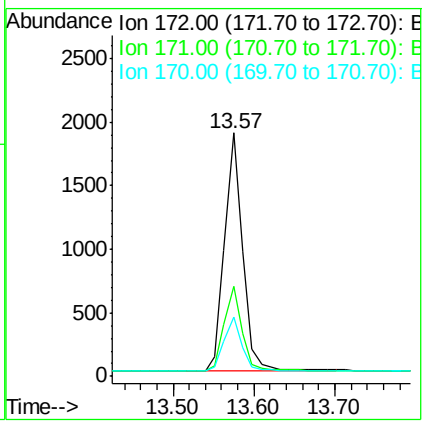


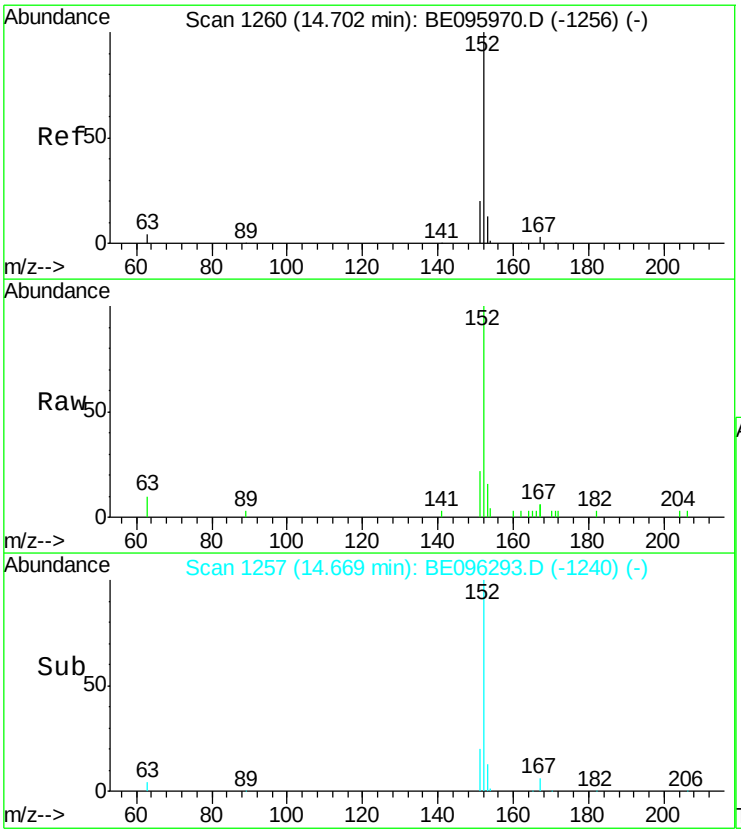
#15
2-Fluorobiphenyl
Concen: 0.495 ng
RT: 13.57 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:172 Resp: 2904

Ion	Ratio	Lower	Upper
172	100		
171	37.0	29.9	44.9
170	24.4	21.8	32.8

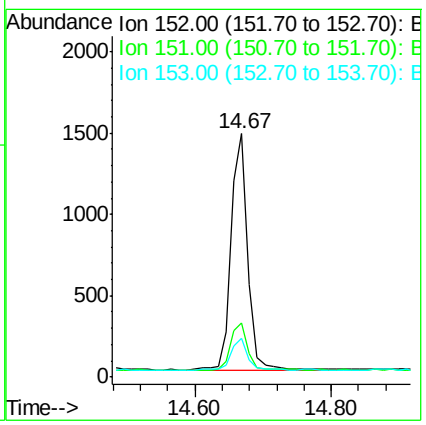


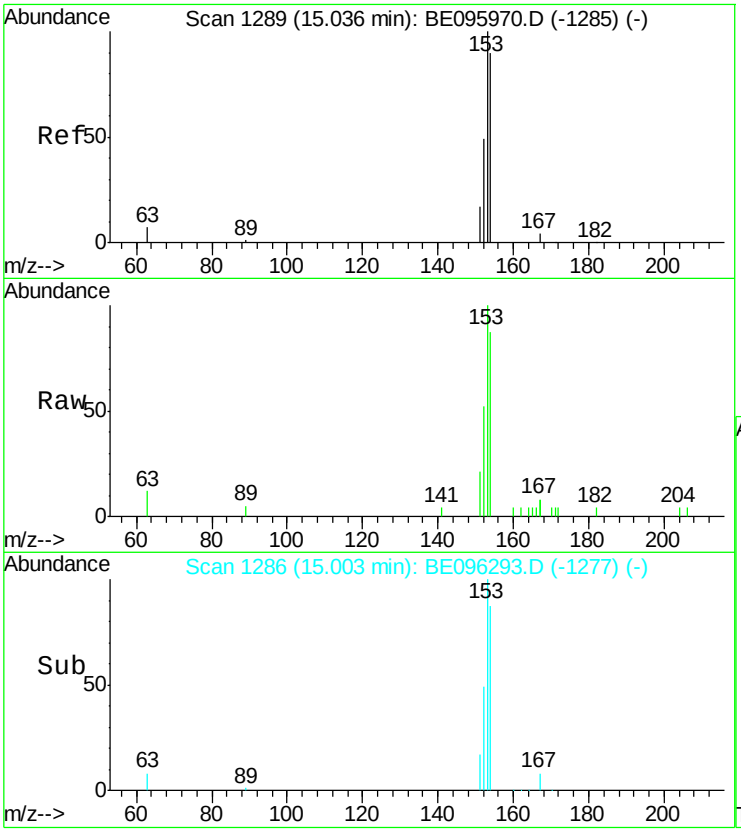


#16
Acenaphthylene
Concen: 0.340 ng
RT: 14.67 min Scan# 1257
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:152 Resp: 2486

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	13.4	10.5	15.7



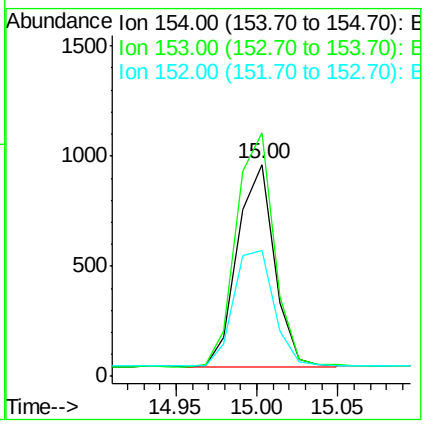


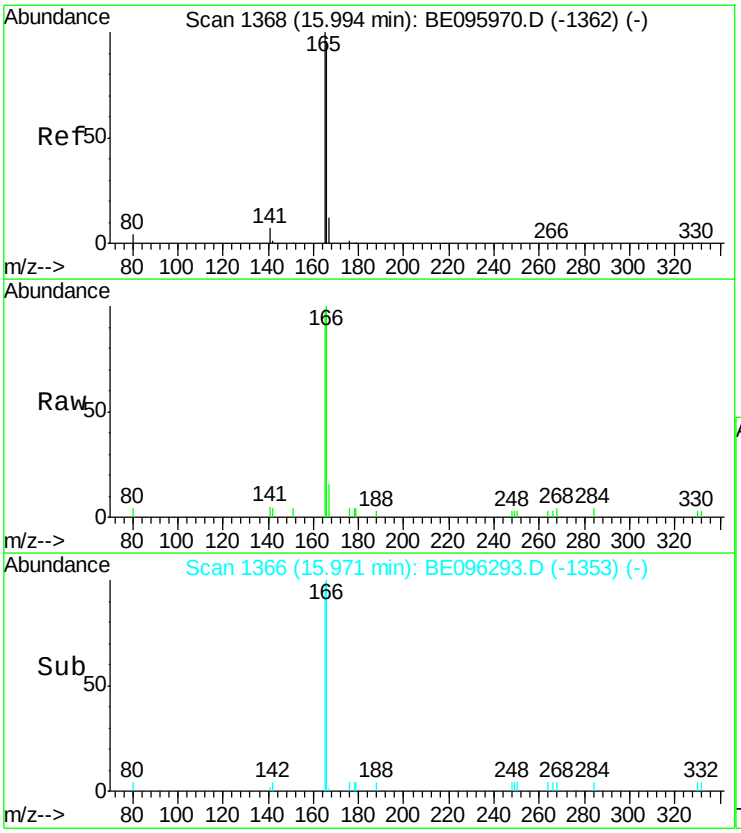
#17
Acenaphthene
Concen: 0.331 ng
RT: 15.00 min Scan# 1286
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:154 Resp: 1457

Ion	Ratio	Lower	Upper
154	100		
153	118.0	89.2	133.8
152	63.1	42.0	63.0#

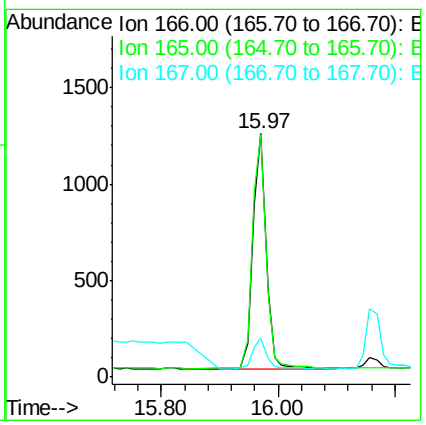


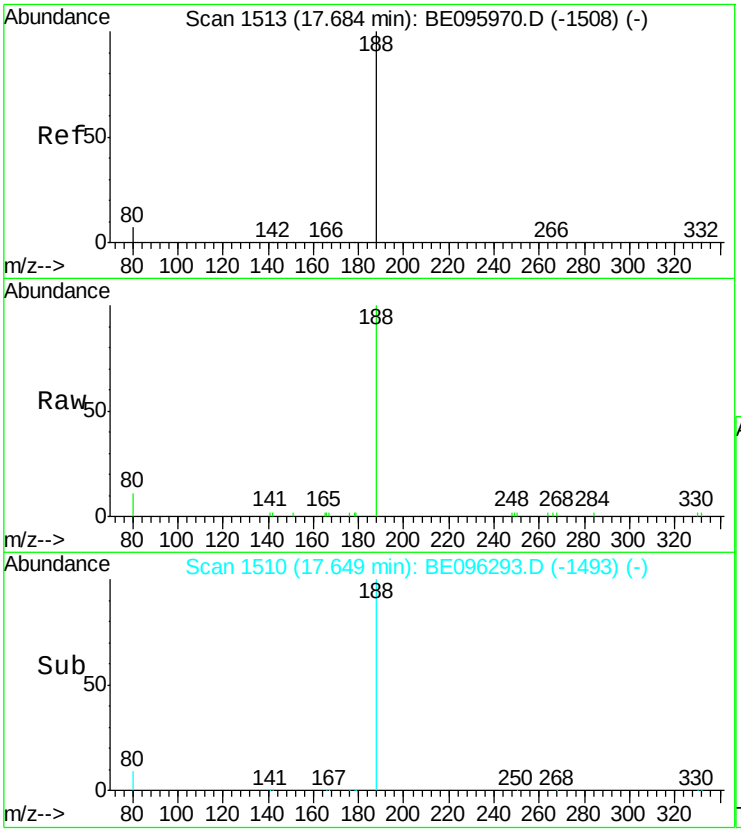


#18
Fluorene
Concen: 0.430 ng
RT: 15.97 min Scan# 1366
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:166 Resp: 2337

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.8	116.6
167	10.9	42.4	63.6#



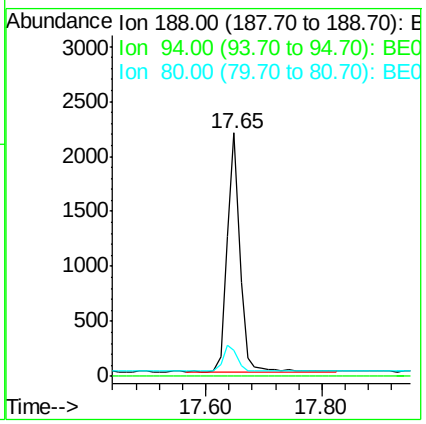


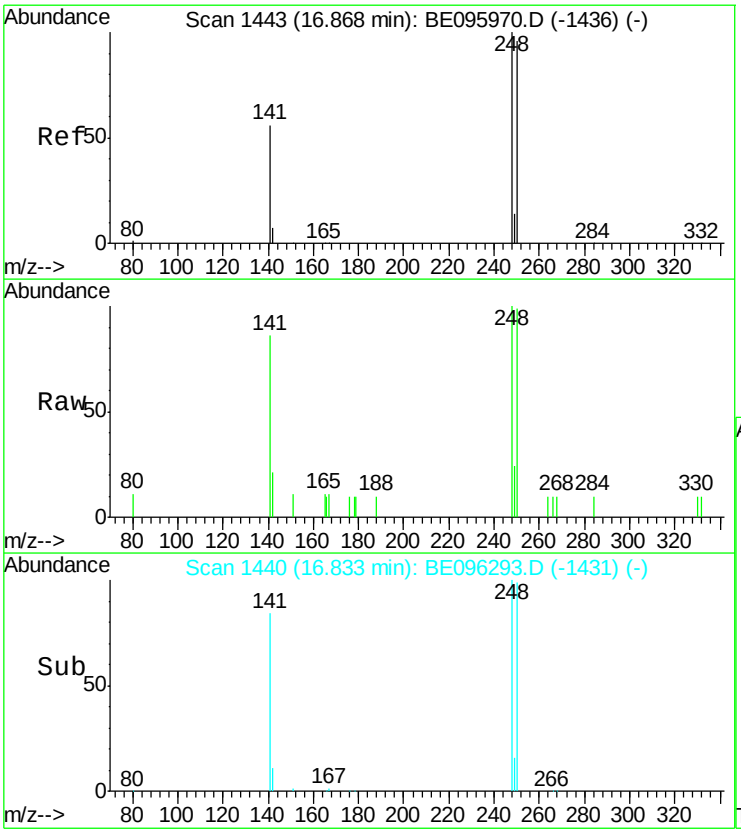
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.65 min Scan# 1510
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:188 Resp: 3255

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

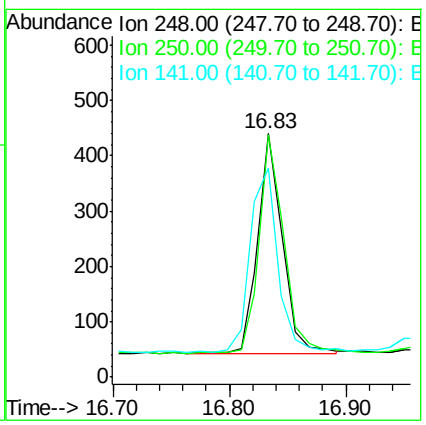


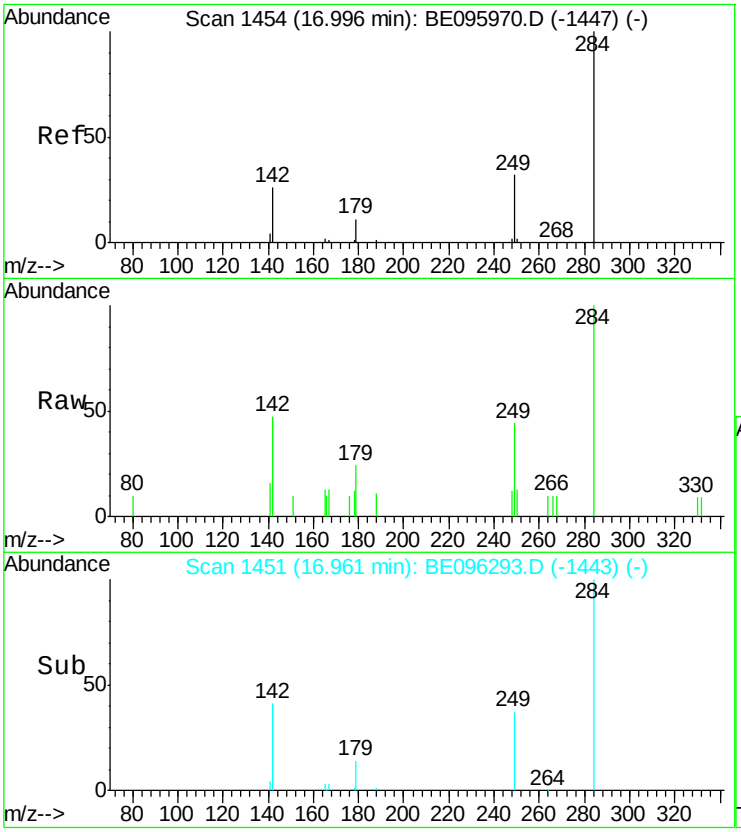


#20
4-Bromophenyl-phenylether
Concen: 0.306 ng
RT: 16.83 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:248 Resp: 591

Ion	Ratio	Lower	Upper
248	100		
250	99.3	62.7	94.1#
141	85.7	48.2	72.2#



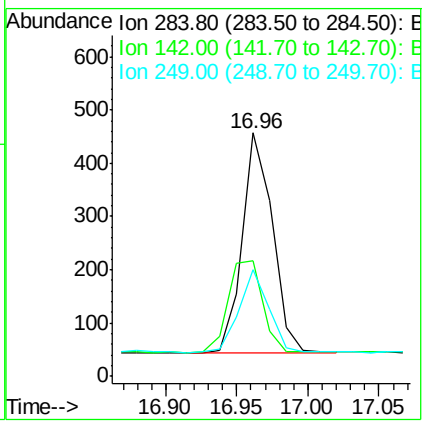


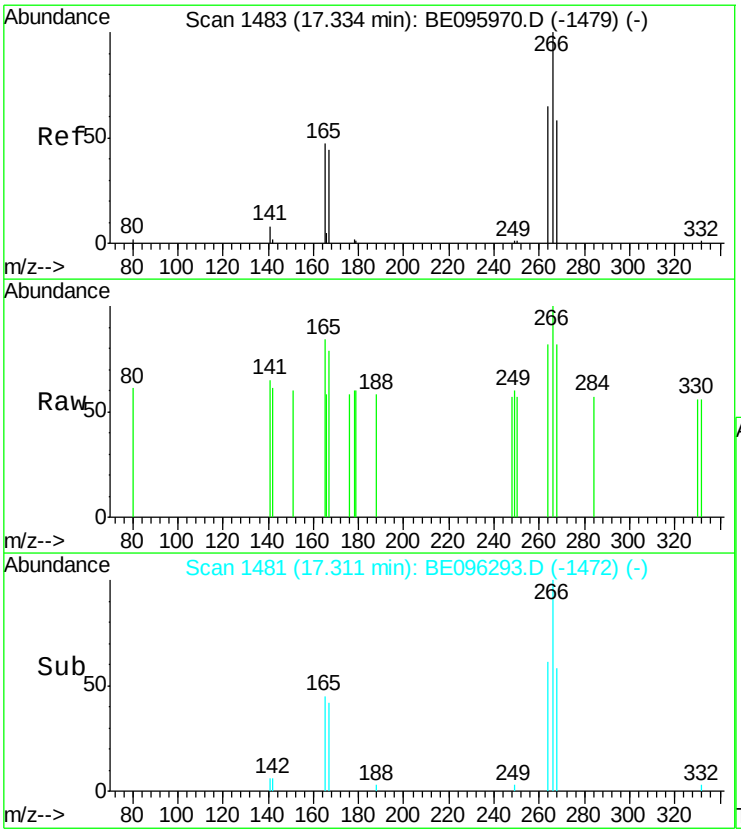
#21
Hexachlorobenzene
Concen: 0.319 ng
RT: 16.96 min Scan# 1451
Delta R.T. -0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:284 Resp: 614

Ion	Ratio	Lower	Upper
284	100		
142	48.5	22.1	33.1#
249	37.0	34.8	52.2

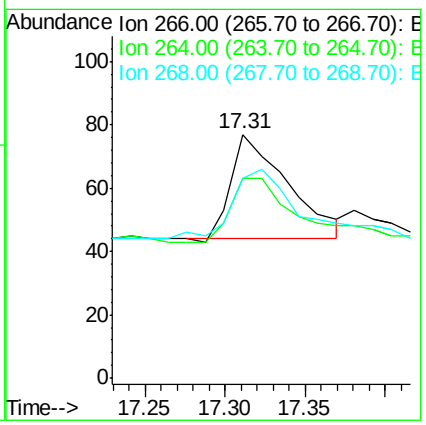


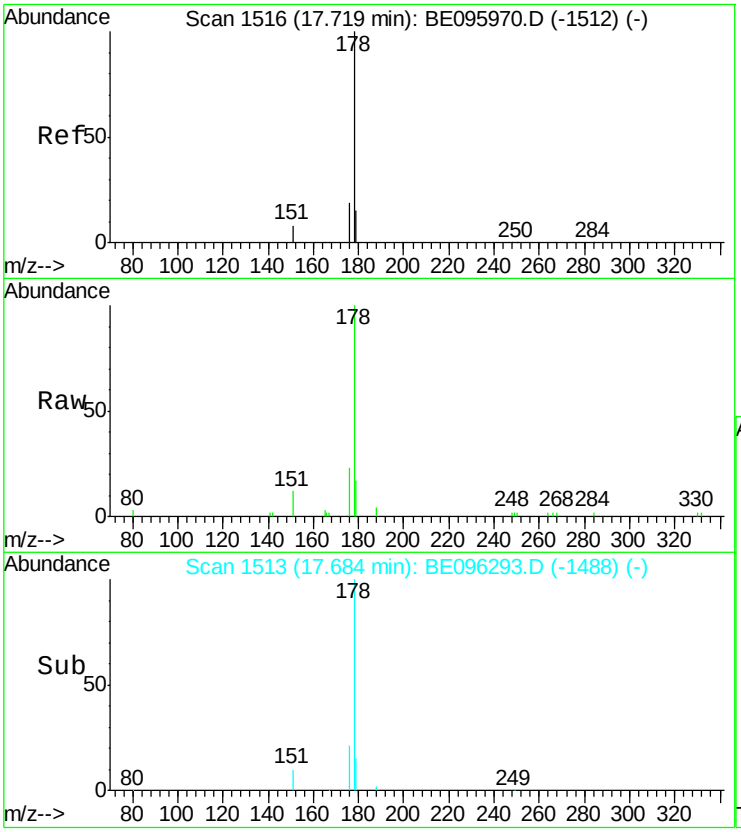


#22
Pentachlorophenol
Concen: 0.226 ng
RT: 17.31 min Scan# 1481
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:266 Resp: 80

Ion	Ratio	Lower	Upper
266	100		
264	81.8	72.5	108.7
268	81.8	73.8	110.6



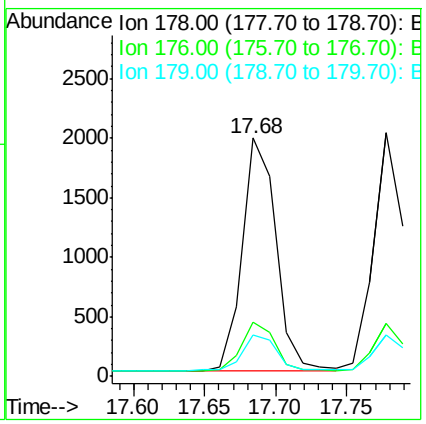


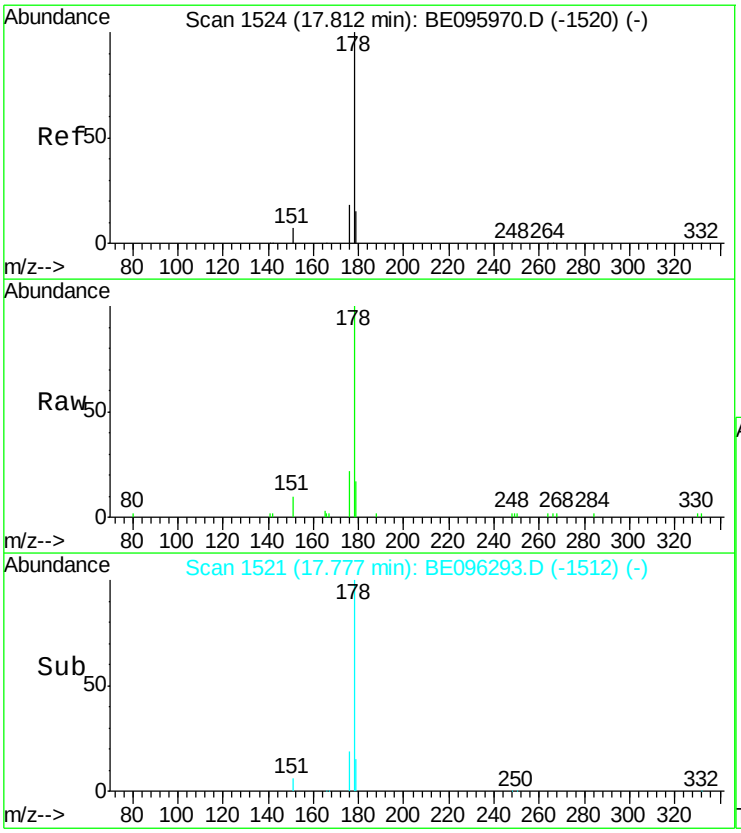
#23
Phenanthrene
Concen: 0.351 ng
RT: 17.68 min Scan# 1513
Delta R.T. -0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:178 Resp: 3214

Ion	Ratio	Lower	Upper
178	100		
176	20.7	15.1	22.7
179	15.7	11.8	17.6

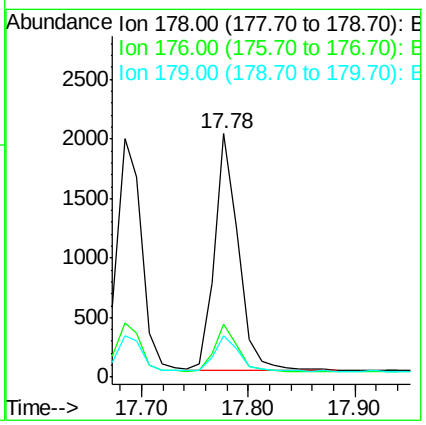


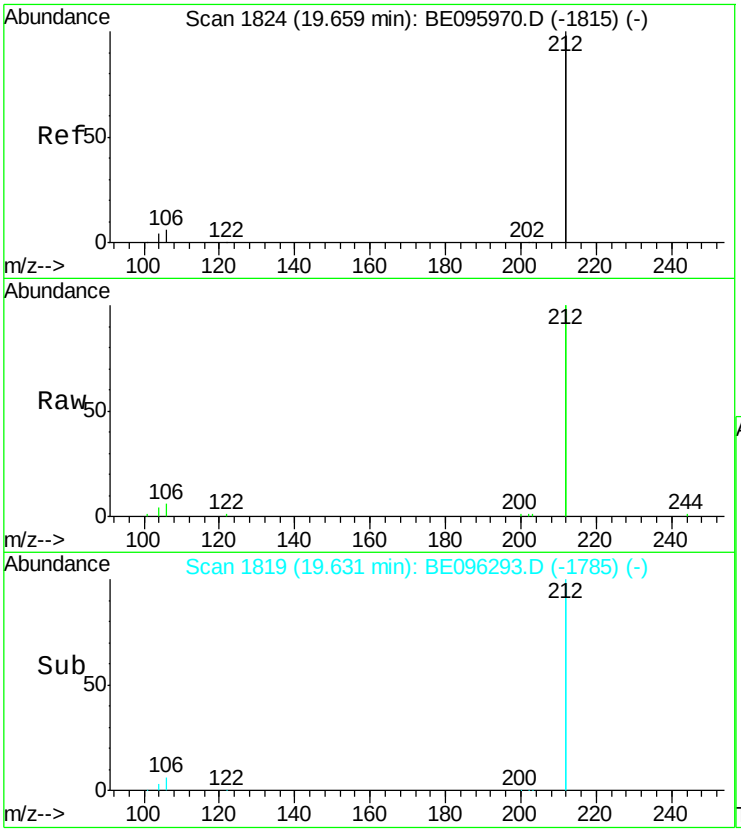


#24
Anthracene
Concen: 0.351 ng
RT: 17.78 min Scan# 1521
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:178 Resp: 3068

Ion	Ratio	Lower	Upper
178	100		
176	19.8	12.8	19.2#
179	15.2	13.0	19.6



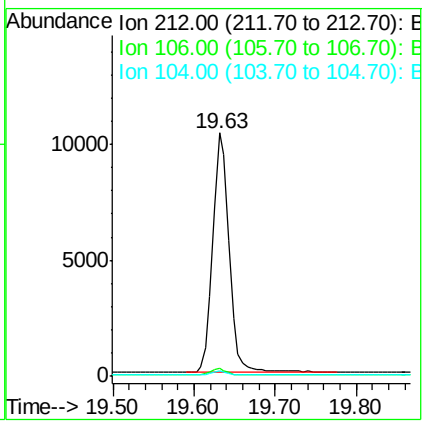


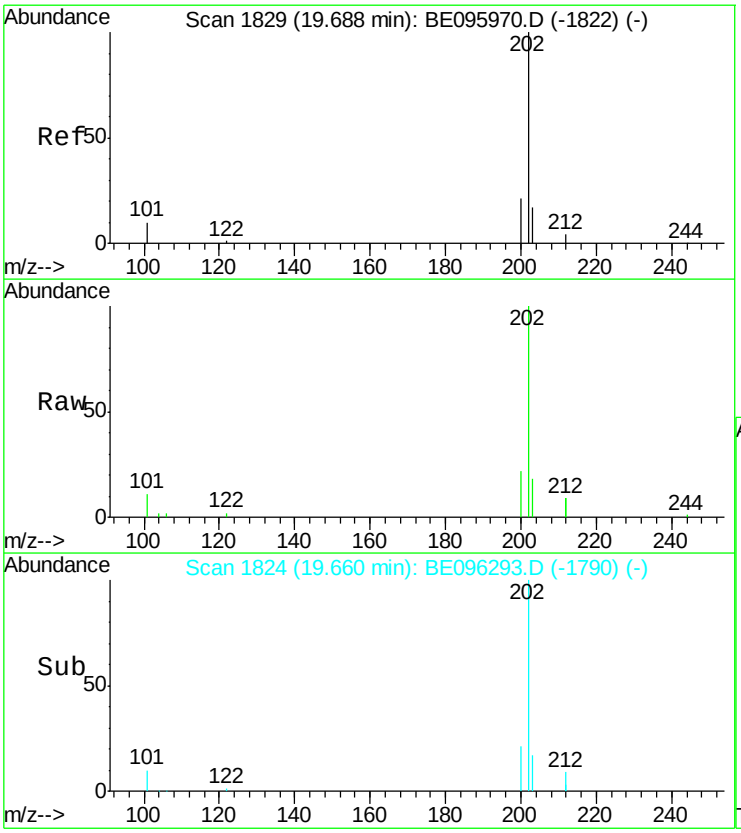
#25
Fluoranthene-d10
Concen: 0.326 ng
RT: 19.63 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:212 Resp: 14393

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.8	4.2
104	1.6	1.6	2.4

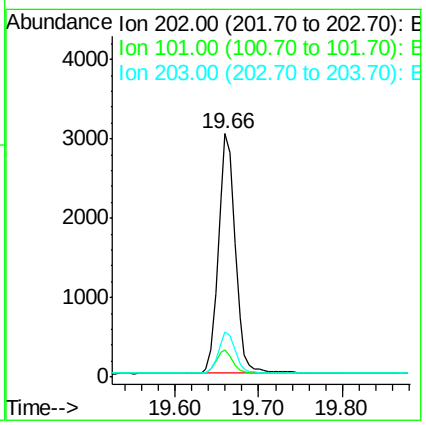


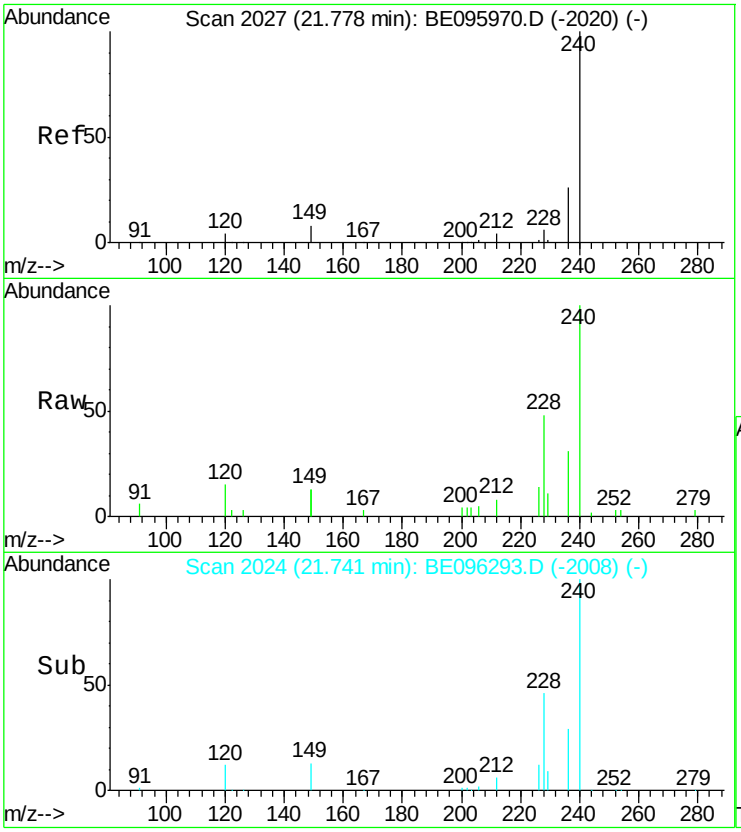


#26
Fluoranthene
Concen: 0.355 ng
RT: 19.66 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:202 Resp: 4260

Ion	Ratio	Lower	Upper
202	100		
101	9.9	9.8	14.8
203	16.8	13.7	20.5



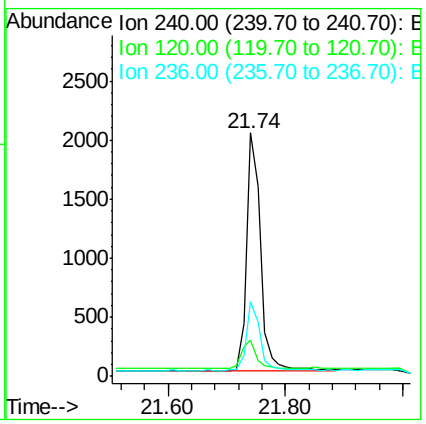


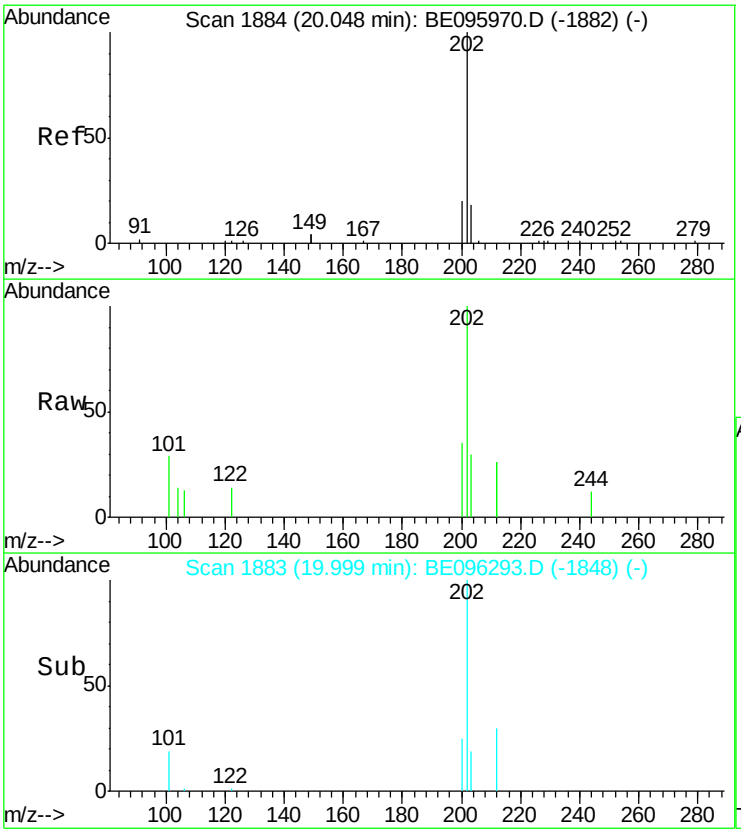
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.74 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:240 Resp: 3378

Ion	Ratio	Lower	Upper
240	100		
120	15.0	5.5	8.3#
236	30.5	20.7	31.1

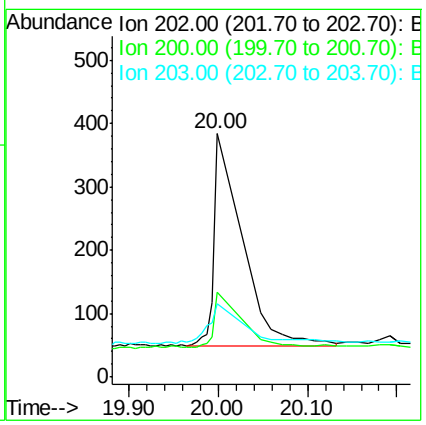


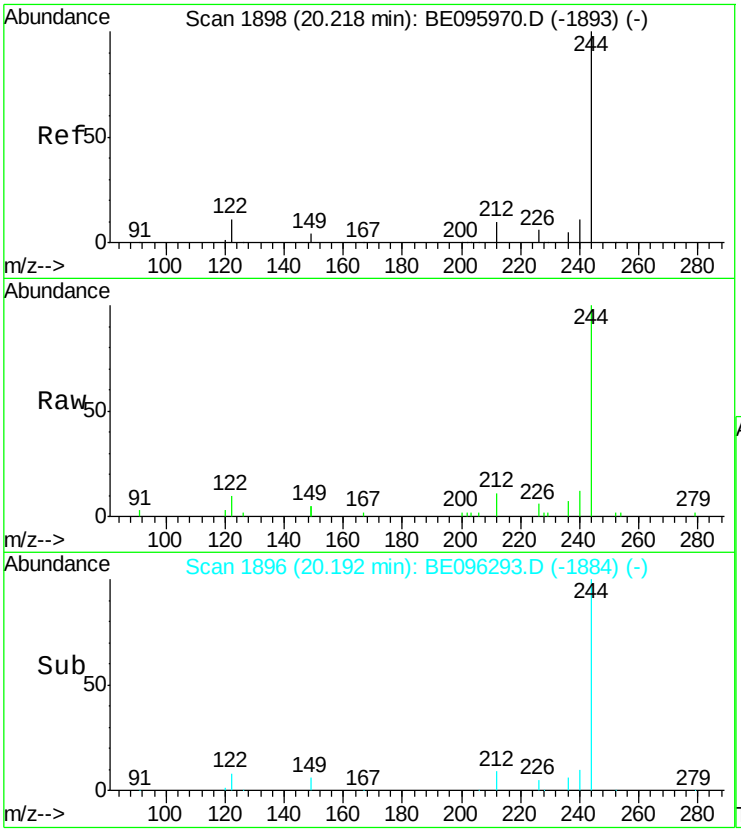


#28
Pyrene
Concen: 0.063 ng
RT: 20.00 min Scan# 1883
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:202 Resp: 416

Ion	Ratio	Lower	Upper
202	100		
200	26.9	16.6	25.0#
203	32.0	13.8	20.8#



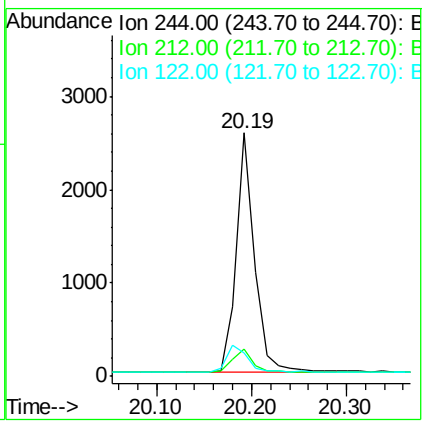


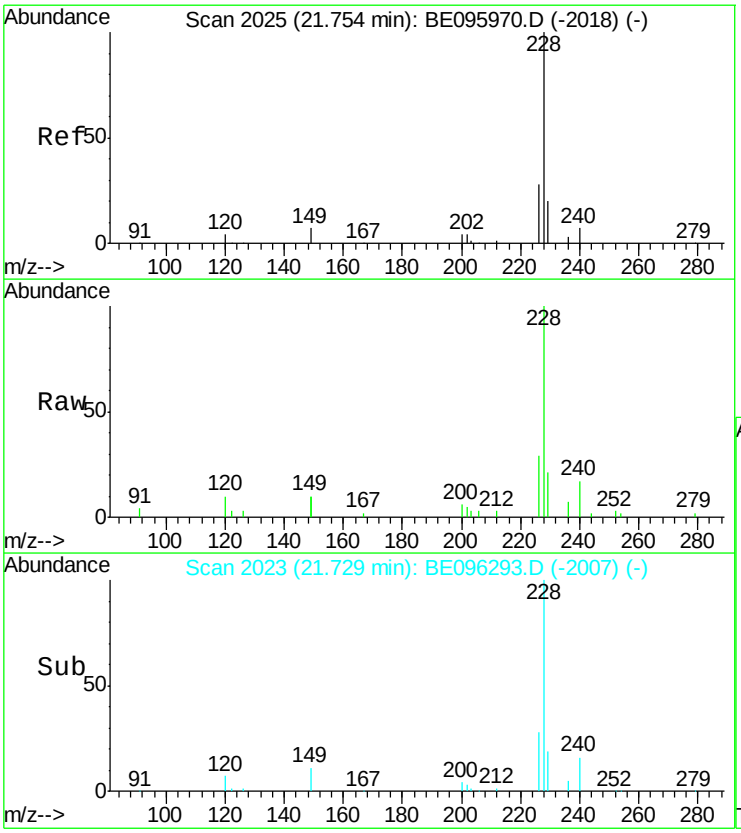
#29
Terphenyl-d14
Concen: 0.460 ng
RT: 20.19 min Scan# 1896
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:244 Resp: 3434

Ion	Ratio	Lower	Upper
244	100		
212	11.0	25.4	38.0#
122	9.8	8.1	12.1

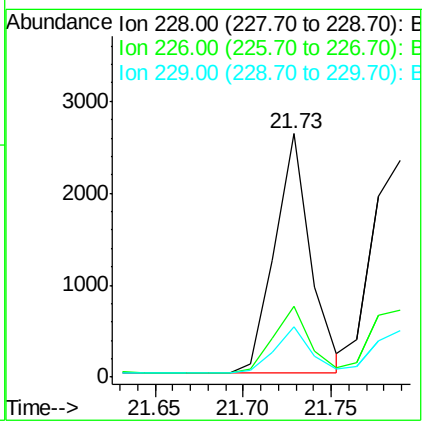


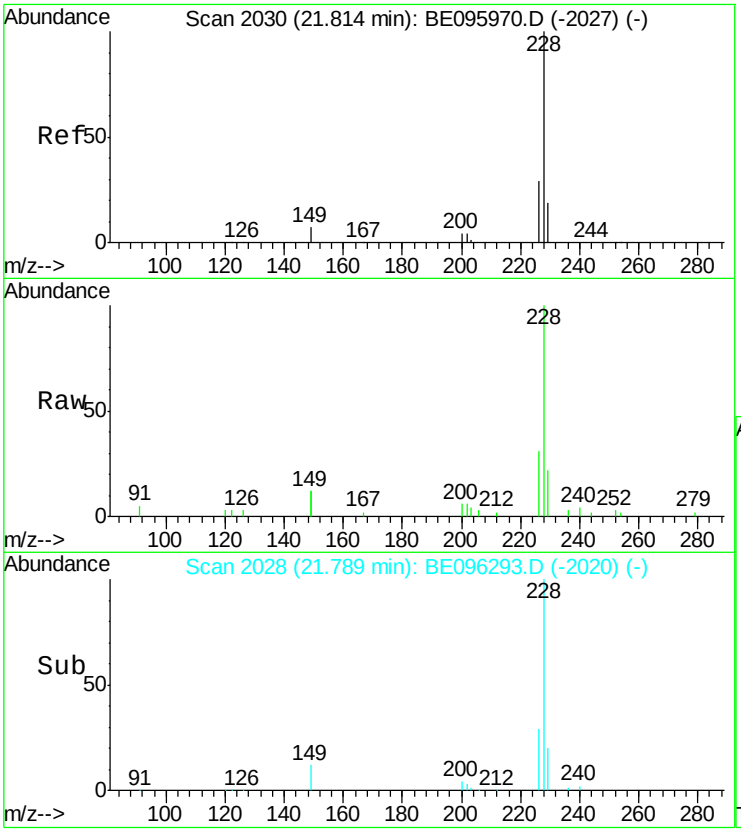


#30
Benzo(a)anthracene
Concen: 0.340 ng
RT: 21.73 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:228 Resp: 3679

Ion	Ratio	Lower	Upper
228	100		
226	29.1	24.0	36.0
229	20.8	16.0	24.0



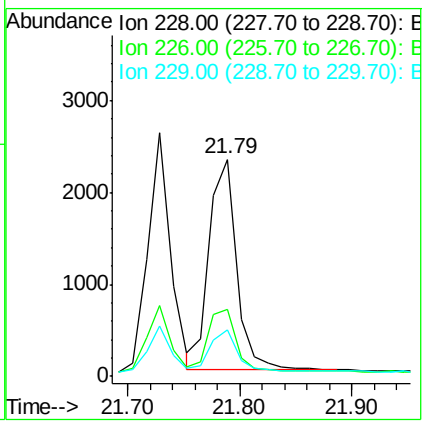


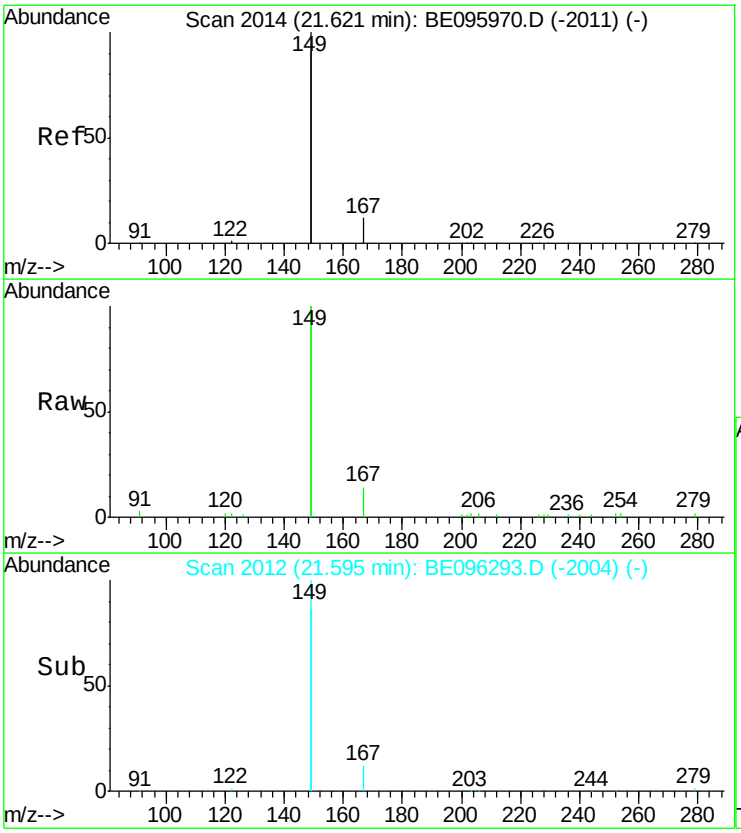
#31
Chrysene
Concen: 0.367 ng
RT: 21.79 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:228 Resp: 3838

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.0	36.0
229	21.7	16.0	24.0

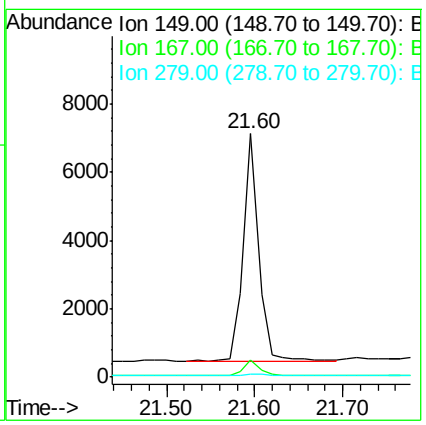


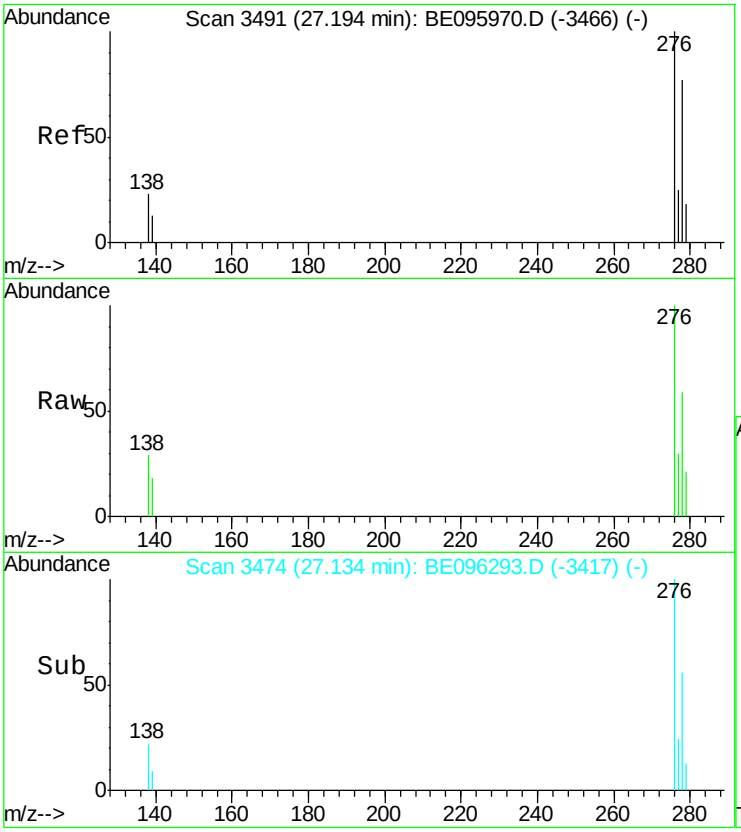


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.291 ng
RT: 21.60 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:149 Resp: 8130

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	0.7	0.7	1.1#



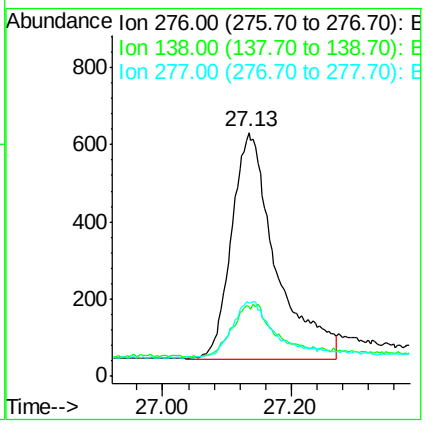


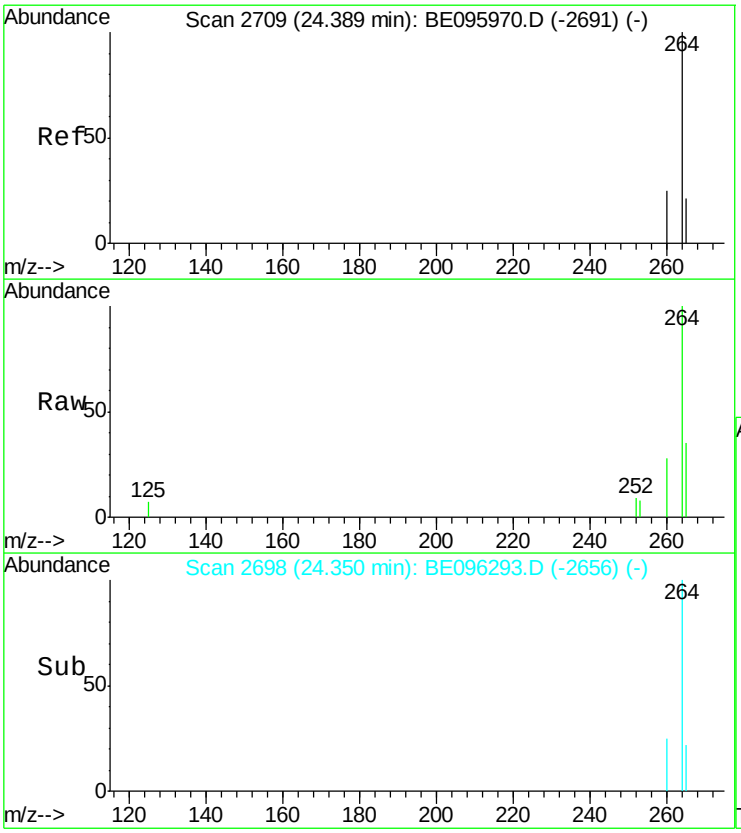
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.276 ng
RT: 27.13 min Scan# 3474
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:276 Resp: 2803

Ion	Ratio	Lower	Upper
276	100		
138	22.0	22.5	33.7#
277	23.5	19.9	29.9

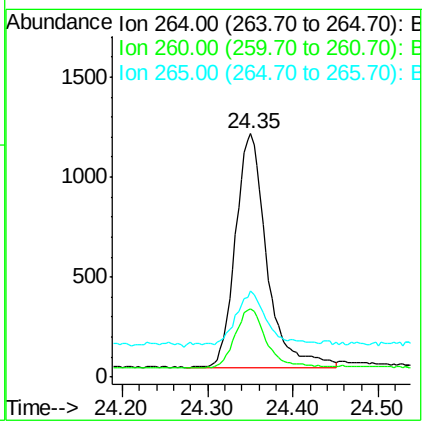


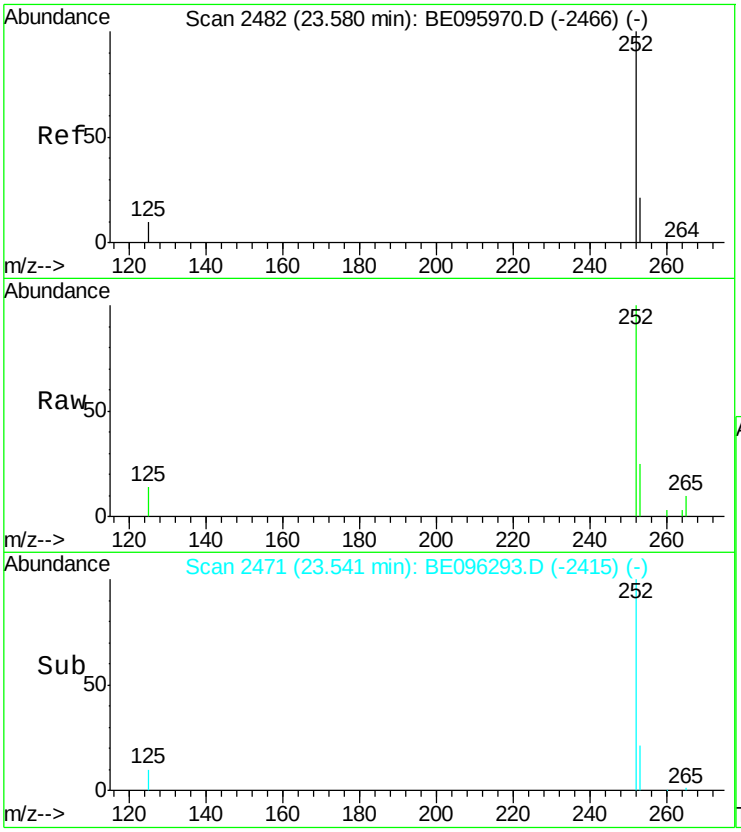


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.35 min Scan# 2698
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:264 Resp: 2980

Ion	Ratio	Lower	Upper
264	100		
260	27.8	20.5	30.7
265	35.1	22.8	34.2#



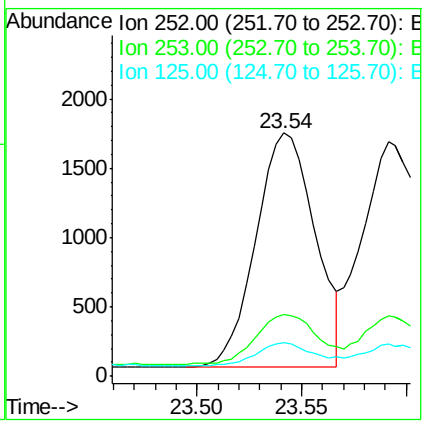


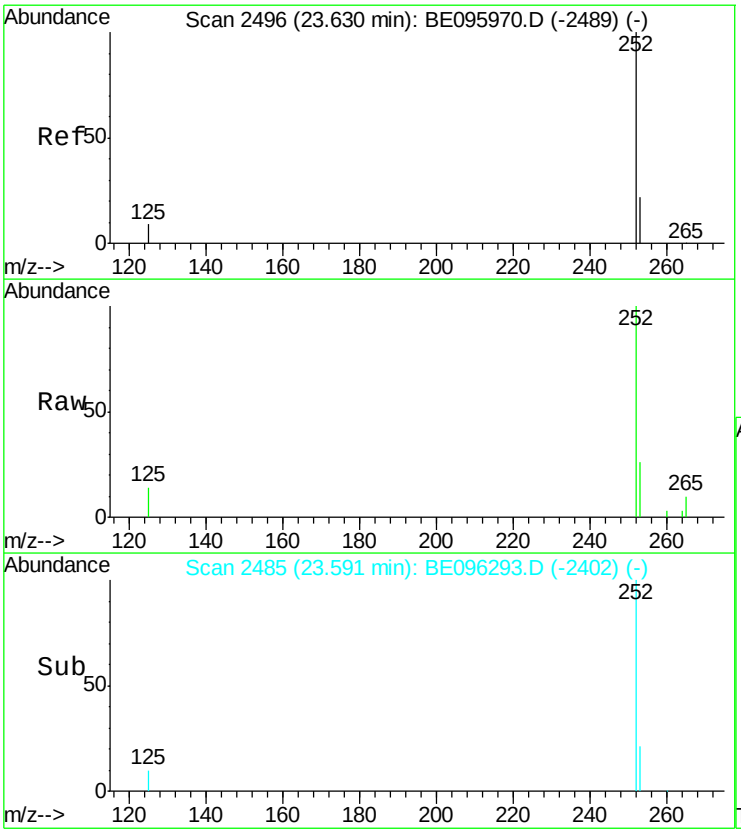
#35
Benzo(b)fluoranthene
Concen: 0.372 ng
RT: 23.54 min Scan# 2471
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:252 Resp: 3328

Ion	Ratio	Lower	Upper
252	100		
253	25.2	20.0	30.0
125	13.6	16.0	24.0#

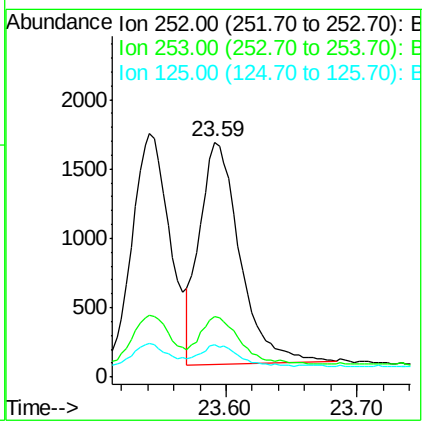


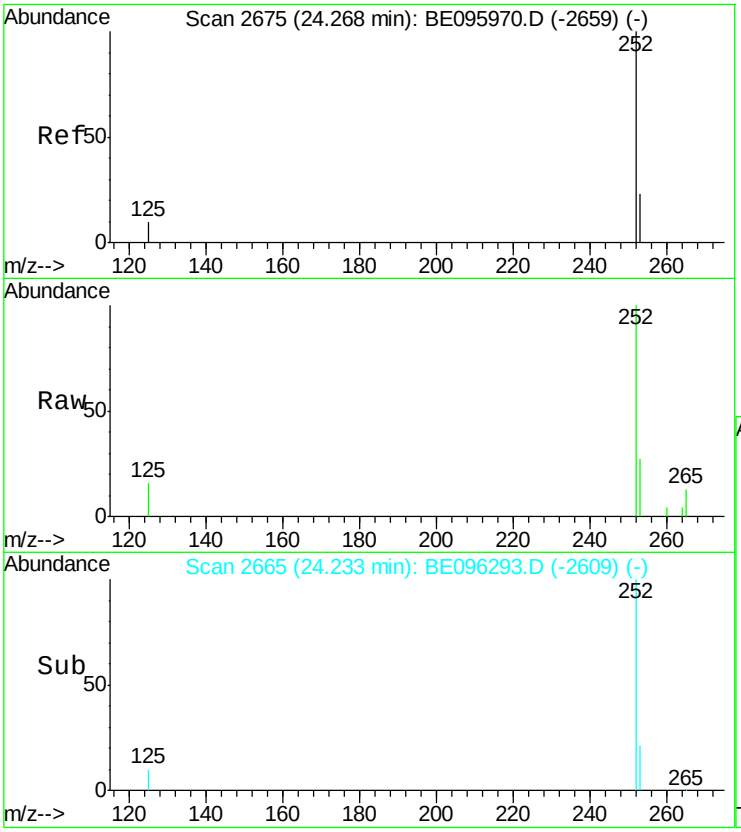


#36
Benzo(k)fluoranthene
Concen: 0.372 ng
RT: 23.59 min Scan# 2485
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:252 Resp: 3416

Ion	Ratio	Lower	Upper
252	100		
253	25.7	16.0	24.0#
125	13.7	8.0	12.0#



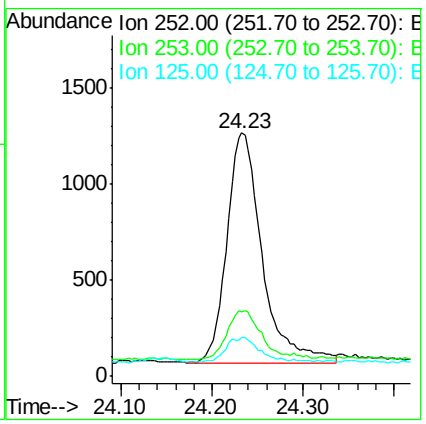


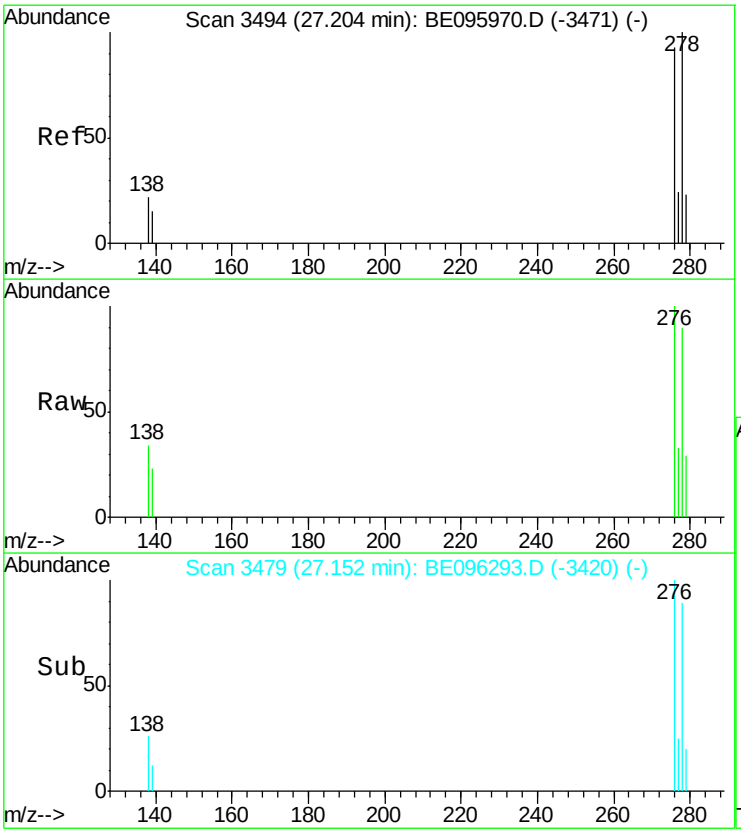
#37
Benzo(a)pyrene
Concen: 0.375 ng
RT: 24.23 min Scan# 2665
Delta R.T. -0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:252 Resp: 3219

Ion	Ratio	Lower	Upper
252	100		
253	26.7	16.0	24.0#
125	15.7	12.0	18.0

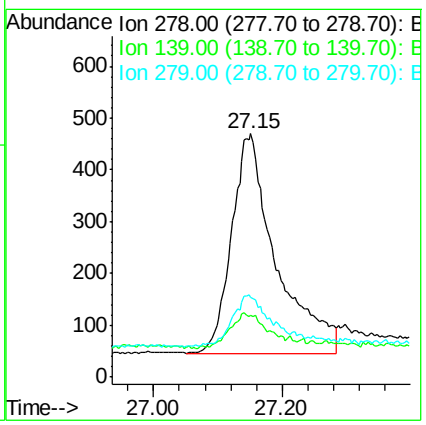


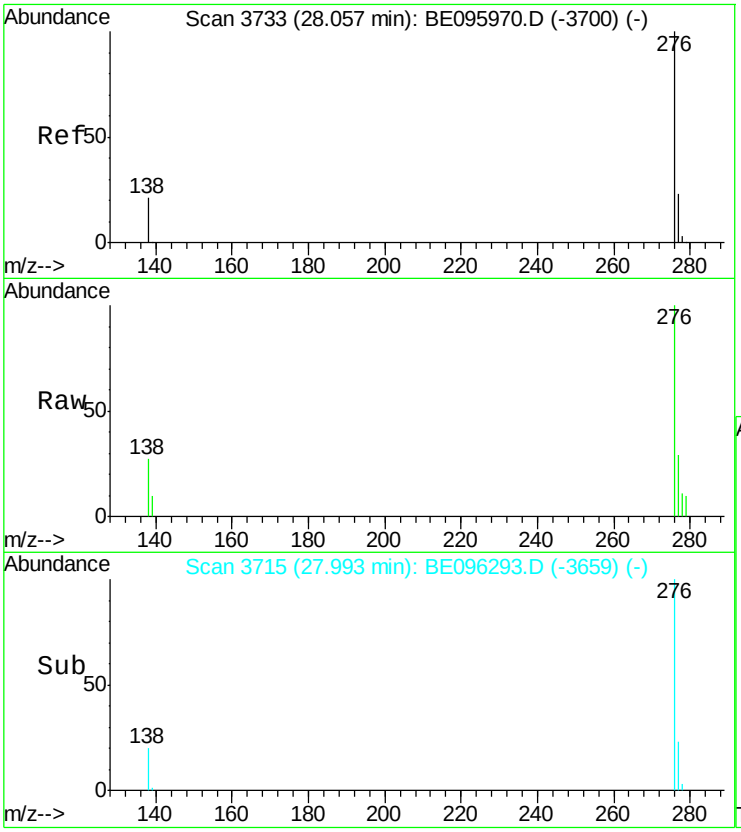


#38
Dibenzo(a,h)anthracene
Concen: 0.268 ng
RT: 27.15 min Scan# 3479
Delta R.T. 0.01 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Tgt Ion:278 Resp: 2028

Ion	Ratio	Lower	Upper
278	100		
139	25.5	16.0	24.0#
279	32.6	20.0	30.0#





#39
Benzo(g,h,i)perylene
Concen: 0.323 ng
RT: 27.99 min Scan# 3715
Delta R.T. 0.00 min
Lab File: BE096293.D
Acq: 2 May 2018 14:03

Instrument :
BNA_E
ClientSampleId :
PB108755BSD

Tgt Ion:276 Resp: 2585

Ion	Ratio	Lower	Upper
276	100		
277	29.0	16.0	24.0#
138	27.1	20.0	30.0