Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE100818\
Data File : BE097793.D
Acq On : 8 Oct 2018 14:24
Operator : SJ/JU
Sample : J5284-04MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : RE-125D2-2018001MSD

Quant Time: Oct 09 06:57:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 06:37:06 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	4294	0.40	ng		-0.01
7) Naphthalene-d8	10.69	136	17184	0.40	ng		0.00
13) Acenaphthene-d10	14.54	164	8912	0.40	ng		-0.02
19) Phenanthrene-d10	17.29	188	23122	0.40	ng		-0.01
27) Chrysene-d12	21.47	240	35222	0.40	ng		-0.01
34) Perylene-d12	24.02	264	34263	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	2133	0.21	ng		0.00
5) Phenol-d6	7.04	99	1762	0.11	ng		0.00
8) Nitrobenzene-d5	9.04	82	4122	0.74	ng		0.00
11) 2-Methylnaphthalene-d10	12.28	152	13624	0.50	ng		-0.02
14) 2,4,6-Tribromophenol	16.03	330	767	0.47	ng		-0.01
15) 2-Fluorobiphenyl	13.17	172	18312	0.47	ng		-0.02
25) Fluoranthene-d10	19.32	212	132031	0.45	ng		-0.01
29) Terphenyl-d14	19.92	244	26202	0.36	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.39	88	53689	6.275	ng		96
3) n-Nitrosodimethylamine	3.70	42	1117	0.144	ng	#	77
6) bis(2-Chloroethyl)ether	7.31	93	6691	0.415	ng		98
9) Naphthalene	10.73	128	83790	0.484	ng		100
10) Hexachlorobutadiene	11.03	225	3519	0.383	ng		99
12) 2-Methylnaphthalene	12.35	142	13559	0.489	ng		95
16) Acenaphthylene	14.27	152	17151	0.435	ng		99
17) Acenaphthene	14.61	154	11033	0.436	ng		97
18) Fluorene	15.59	166	15109	0.450	ng		98
20) 4-Bromophenyl-phenylether	16.49	248	5158	0.425	ng		97
21) Hexachlorobenzene	16.59	284	5130	0.376	ng		98
22) Pentachlorophenol	16.94	266	1456	0.680	ng		90
23) Phenanthrene	17.34	178	27098	0.455	ng		100
24) Anthracene	17.42	178	23115	0.449	ng		100
26) Fluoranthene	19.35	202	36017	0.474	ng		100
28) Pyrene	19.71	202	37972	0.424	ng		99
30) Benzo(a)anthracene	21.46	228	45728	0.483	ng		99
31) Chrysene	21.51	228	48939	0.462	ng		99
32) Bis(2-ethylhexyl)phthalate	21.40	149	39280	0.567	ng		100
33) Indeno(1,2,3-cd)pyrene	26.70	276	41933	0.456	ng		98
35) Benzo(b)fluoranthene	23.24	252	44013	0.468	ng		98
36) Benzo(k)fluoranthene	23.30	252	48430	0.465	ng		99
37) Benzo(a)pyrene	23.91	252	39112	0.459	ng		99
38) Dibenzo(a,h)anthracene	26.74	278	36203	0.432	ng		98
39) Benzo(g,h,i)perylene	27.53	276	38058	0.434	ng		100

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

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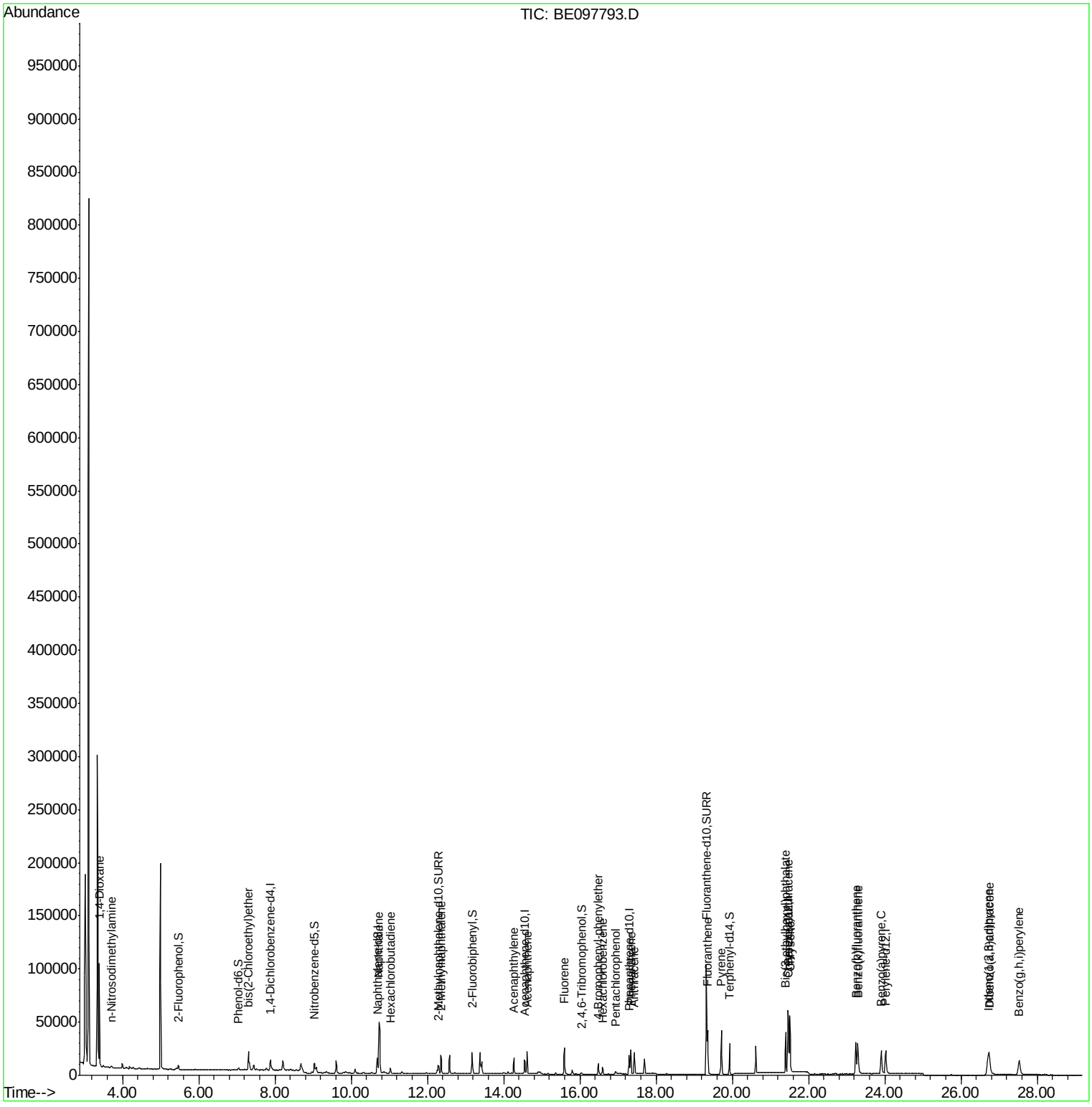
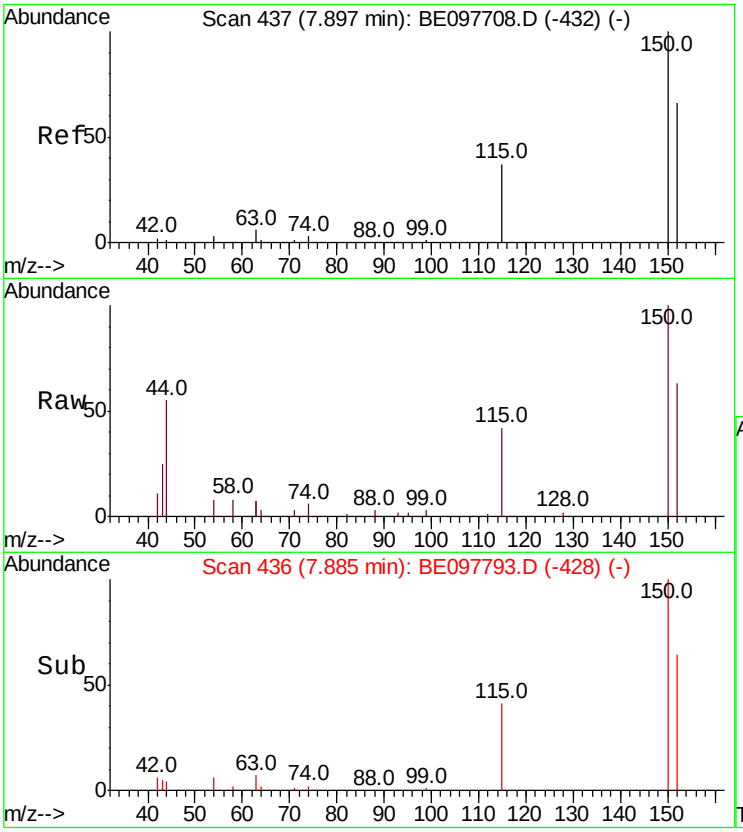
Acq On : 8 Oct 2018 14:24
Operator : SJ/JU
Sample : J5284-04MSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Quant Time: Oct 09 06:57:03 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE100318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 06:37:06 2018
Response via : Initial Calibration



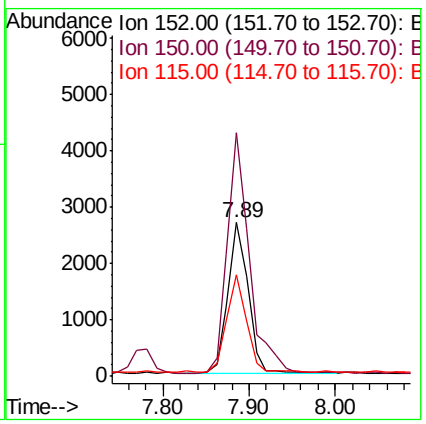


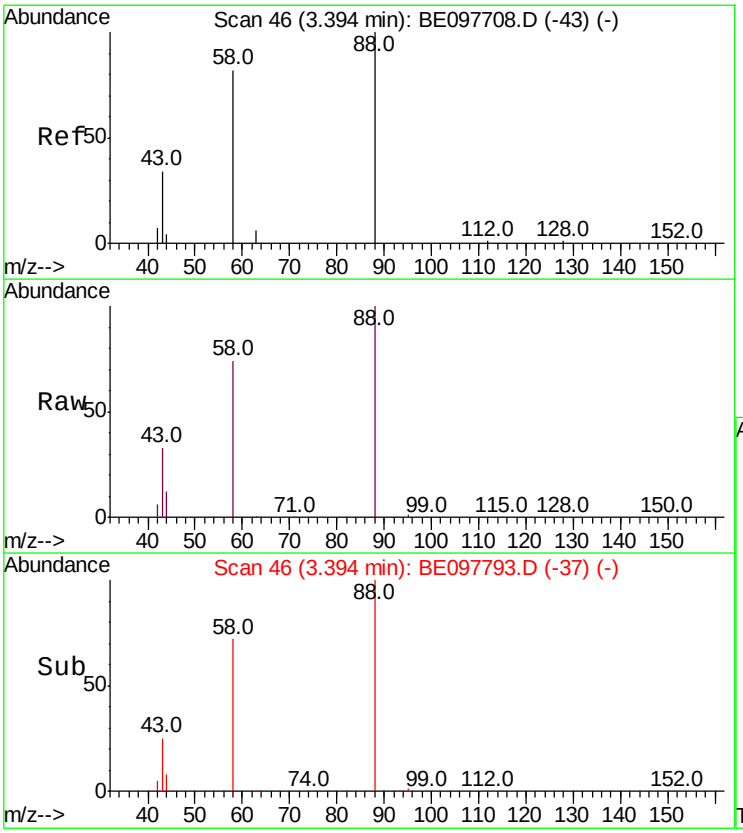
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.89 min Scan# 436
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:152 Resp: 4294

Ion	Ratio	Lower	Upper
152	100		
150	158.3	120.9	181.3
115	66.2	46.6	69.8

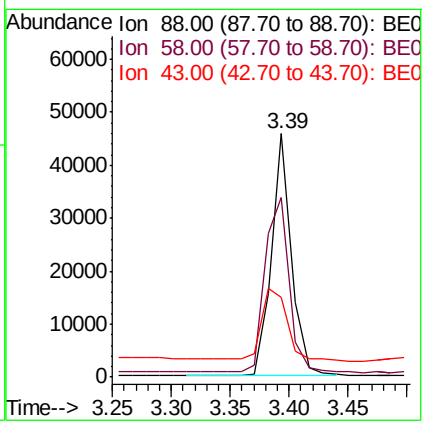


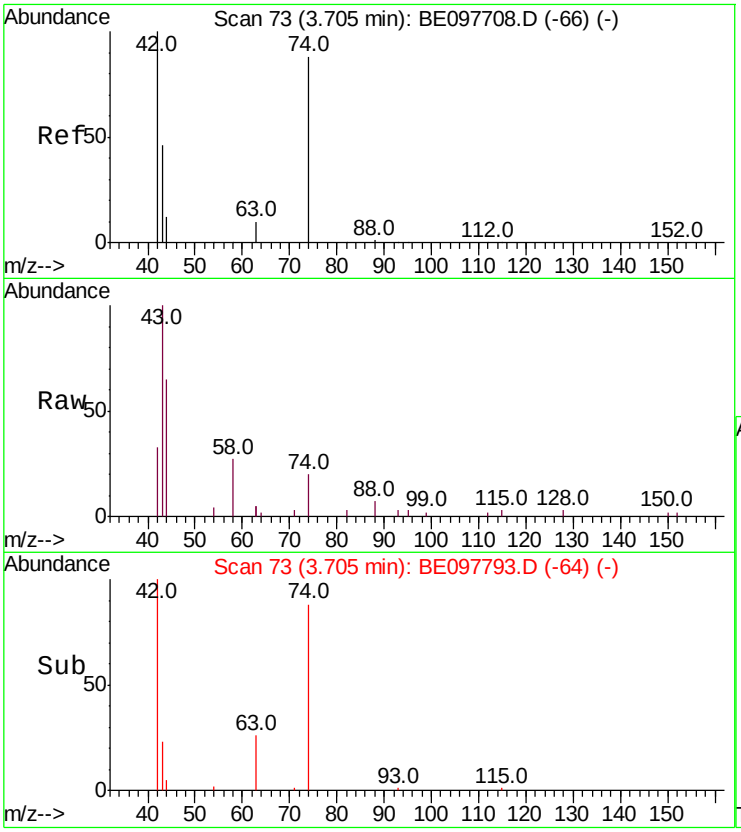


#2
1,4-Dioxane
Concen: 6.275 ng
RT: 3.39 min Scan# 46
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion: 88 Resp: 53689

Ion	Ratio	Lower	Upper
88	100		
58	86.6	70.8	106.2
43	37.3	33.3	49.9



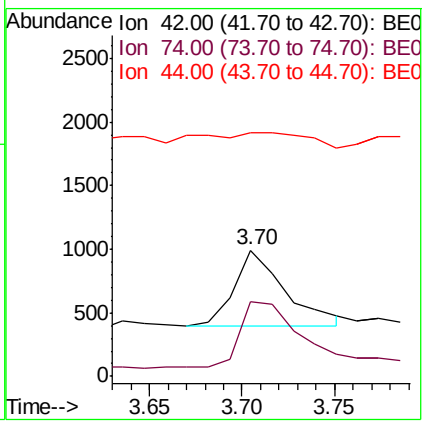


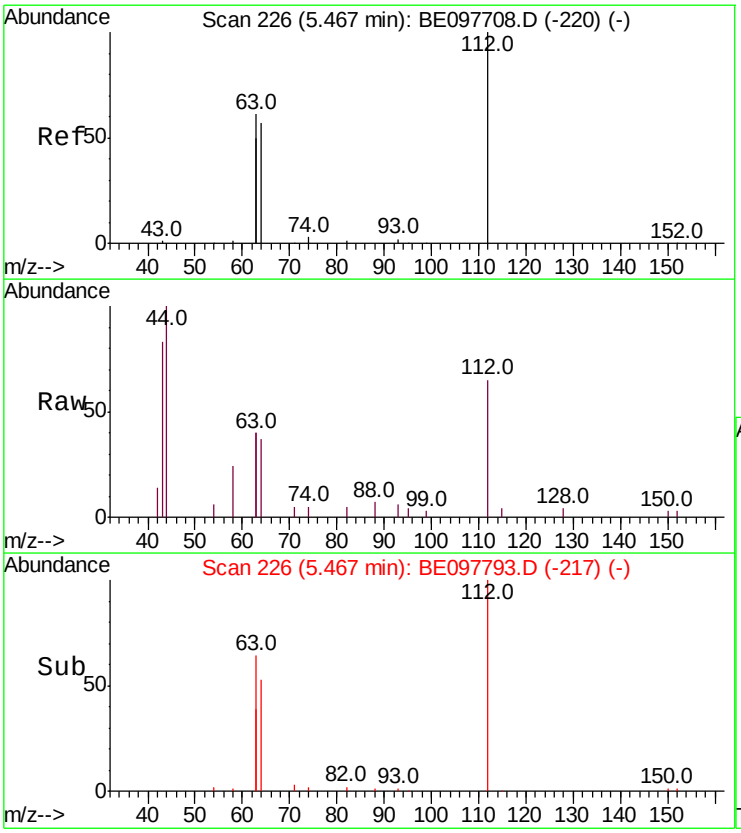
#3
n-Nitrosodimethylamine
Concen: 0.144 ng
RT: 3.70 min Scan# 73
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion: 42 Resp: 1117

Ion	Ratio	Lower	Upper
42	100		
74	104.2	70.7	106.1
44	41.7	15.0	22.4#

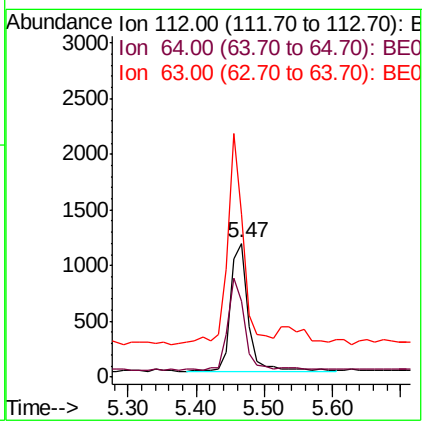


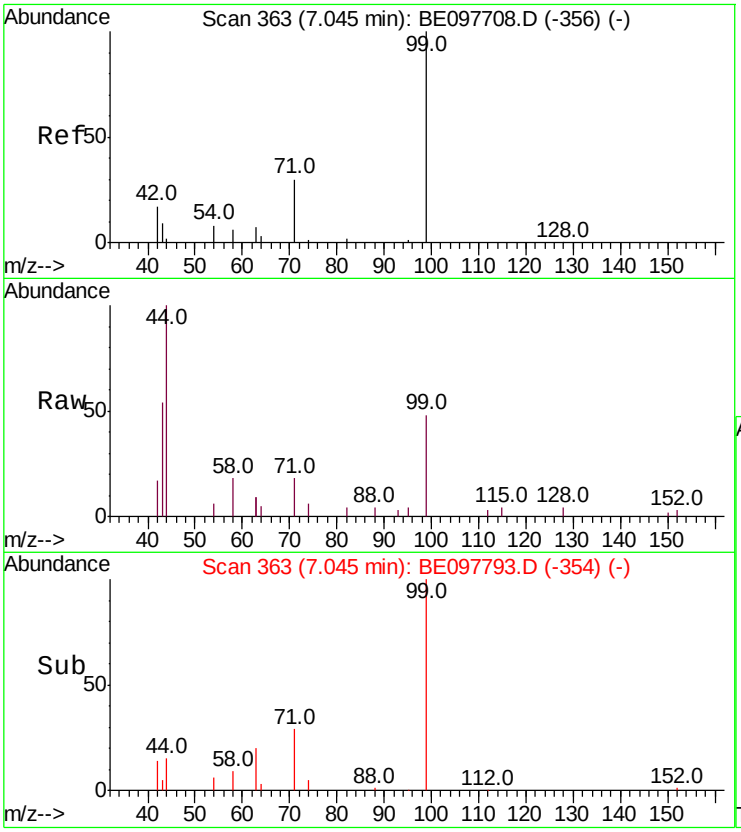


#4
2-Fluorophenol
Concen: 0.210 ng
RT: 5.47 min Scan# 226
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:112 Resp: 2133

Ion	Ratio	Lower	Upper
112	100		
64	65.9	56.6	84.8
63	136.8	119.4	179.0



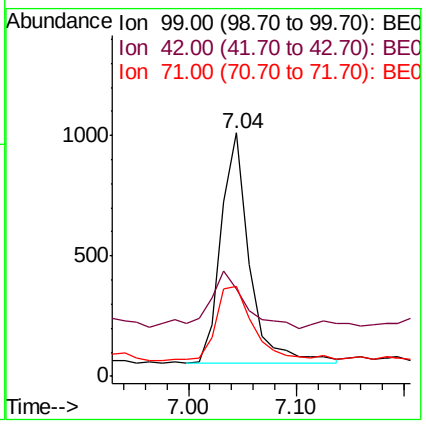


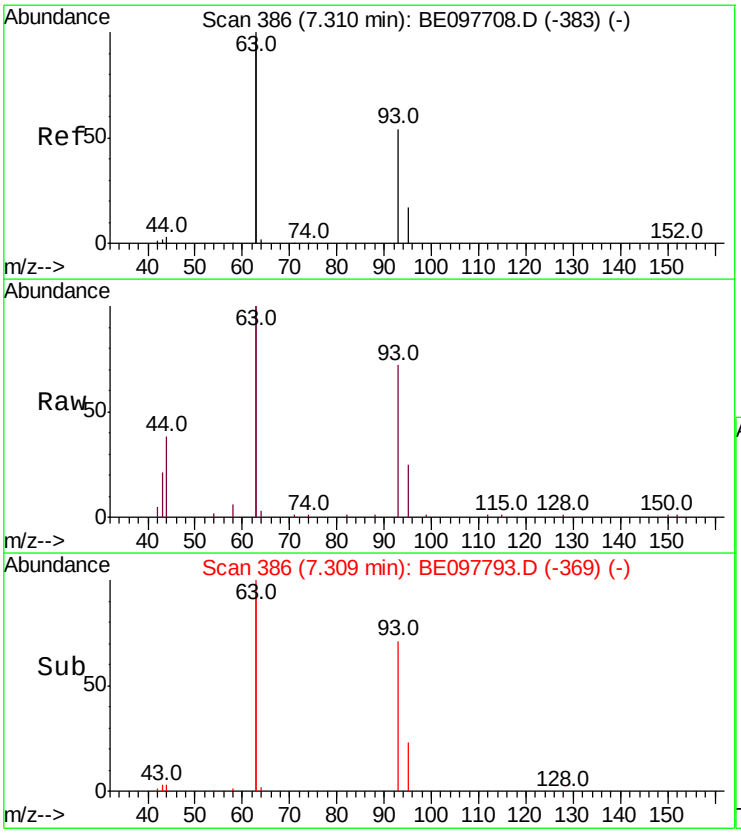
#5
Phenol-d6
Concen: 0.113 ng
RT: 7.04 min Scan# 363
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion: 99 Resp: 1762

Ion	Ratio	Lower	Upper
99	100		
42	33.1	19.9	29.9#
71	44.3	25.4	38.2#

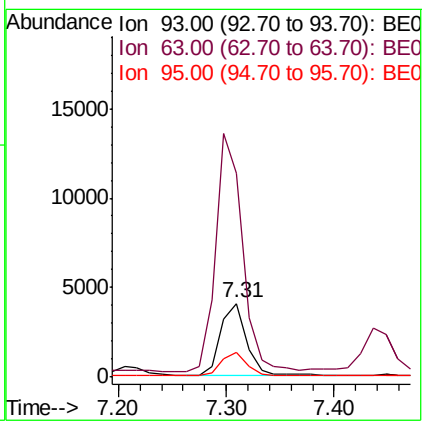


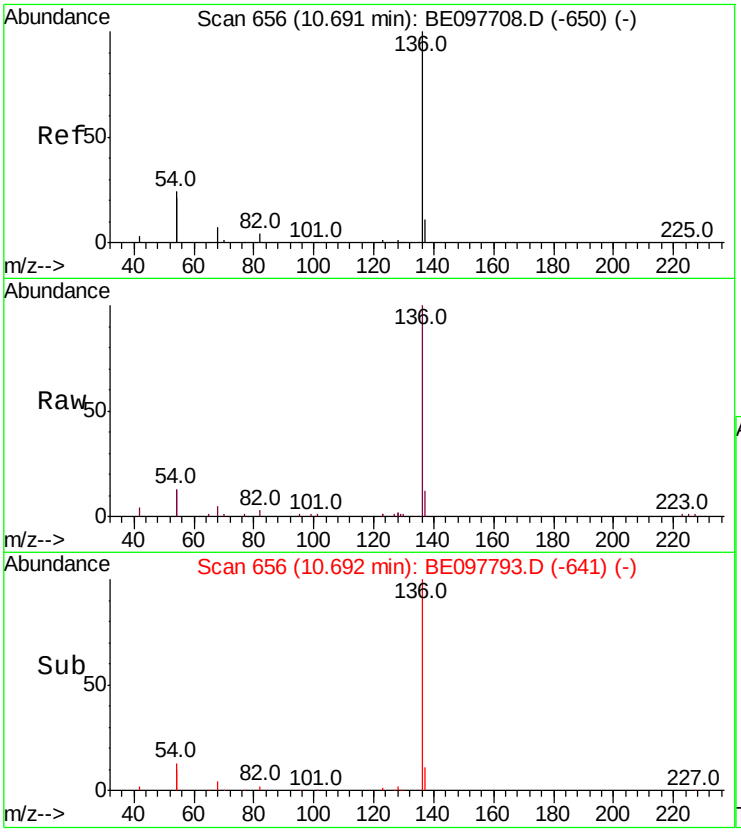


#6
bis(2-Chloroethyl)ether
Concen: 0.415 ng
RT: 7.31 min Scan# 386
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion: 93 Resp: 6691

Ion	Ratio	Lower	Upper
93	100		
63	338.2	266.9	400.3
95	33.3	26.2	39.2



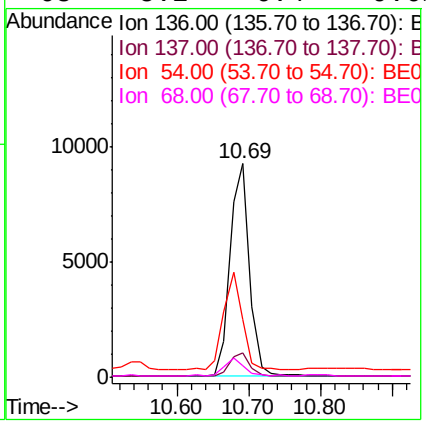


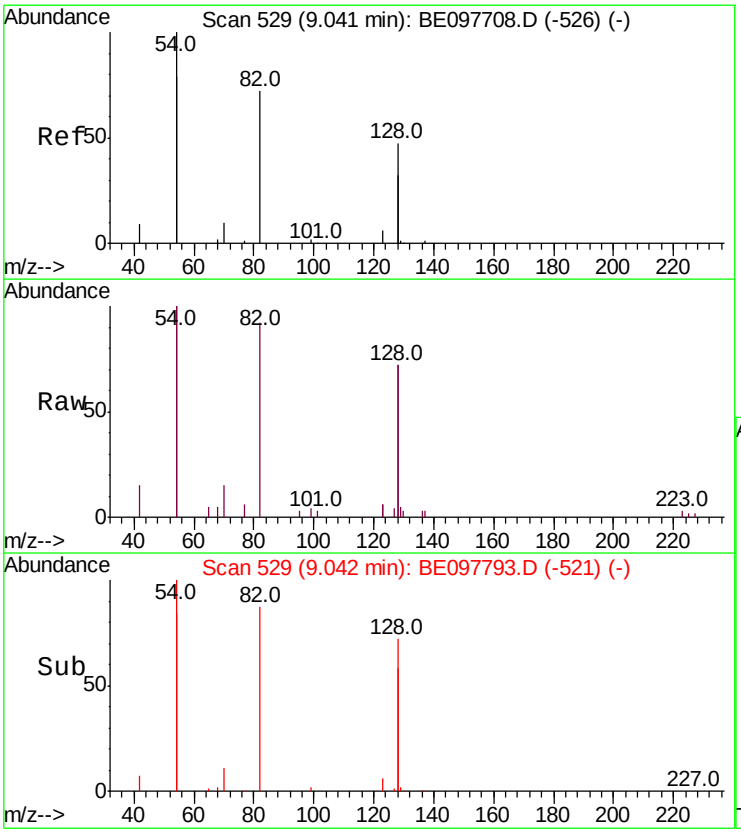
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.69 min Scan# 656
Delta R.T. 0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:136 Resp: 17184

Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.4
54	26.7	37.8	56.6#
68	5.2	6.4	9.6#

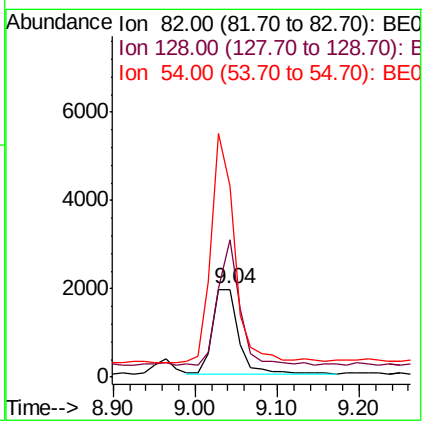


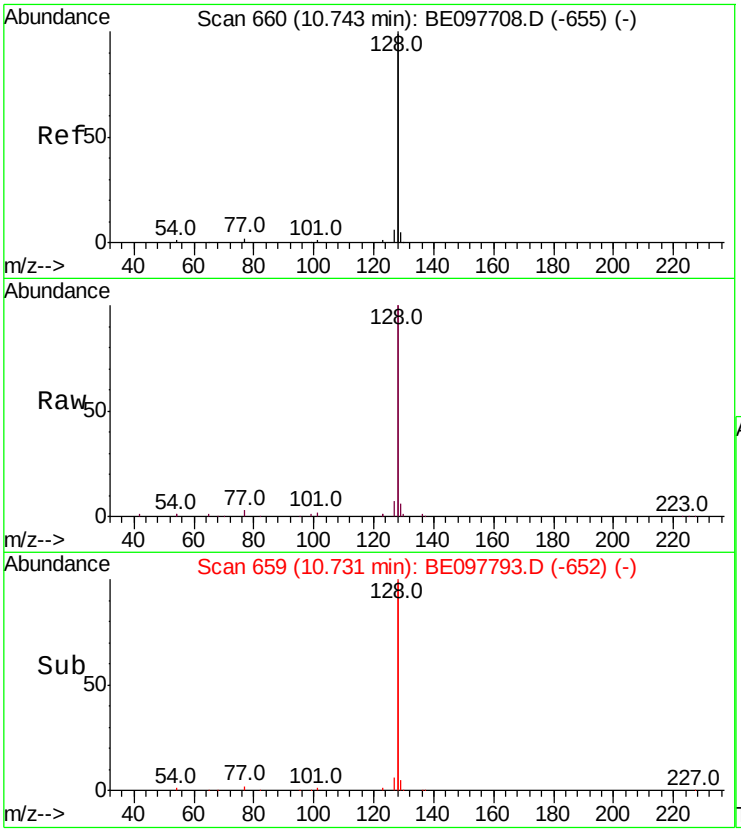


#8
Nitrobenzene-d5
Concen: 0.739 ng
RT: 9.04 min Scan# 529
Delta R.T. 0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion: 82 Resp: 4122

Ion	Ratio	Lower	Upper
82	100		
128	155.6	97.0	145.4#
54	217.6	206.9	310.3



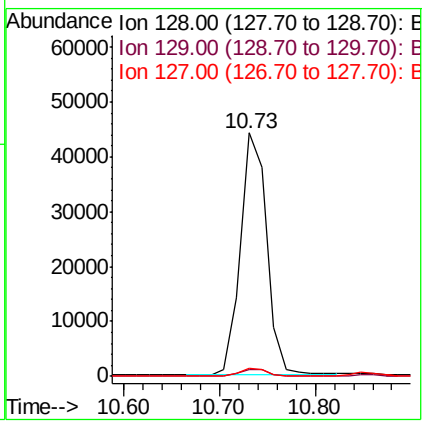


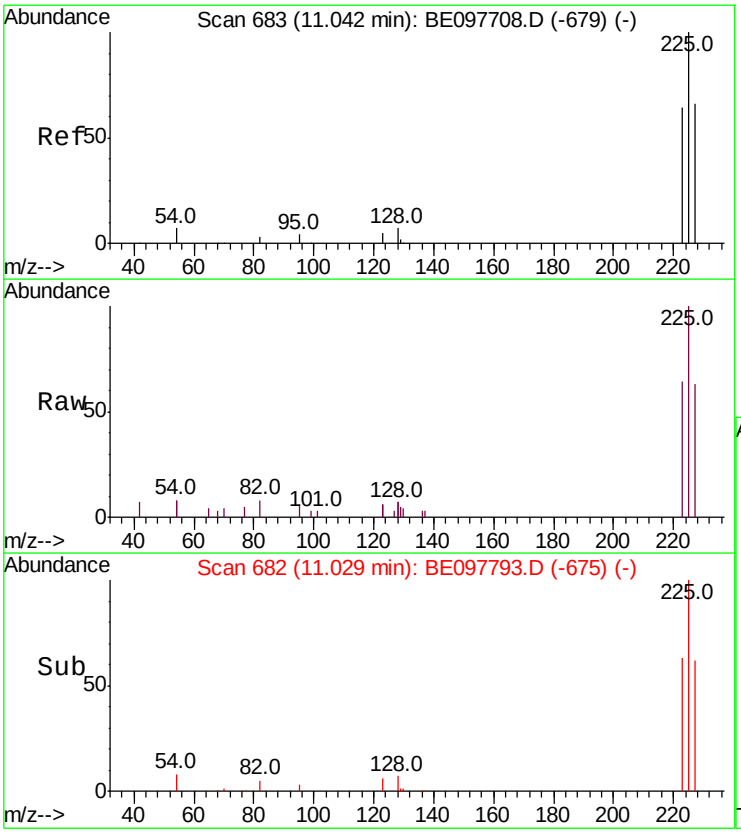
#9
Naphthalene
Concen: 0.484 ng
RT: 10.73 min Scan# 659
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:128 Resp: 83790

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.2
127	3.4	2.7	4.1

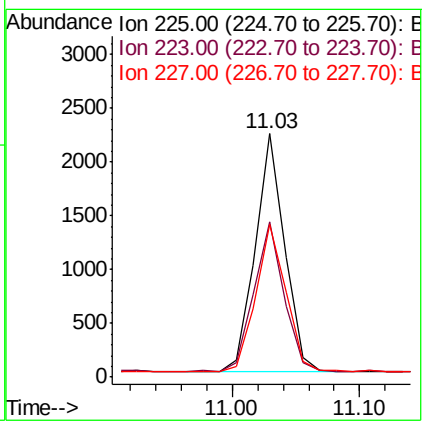


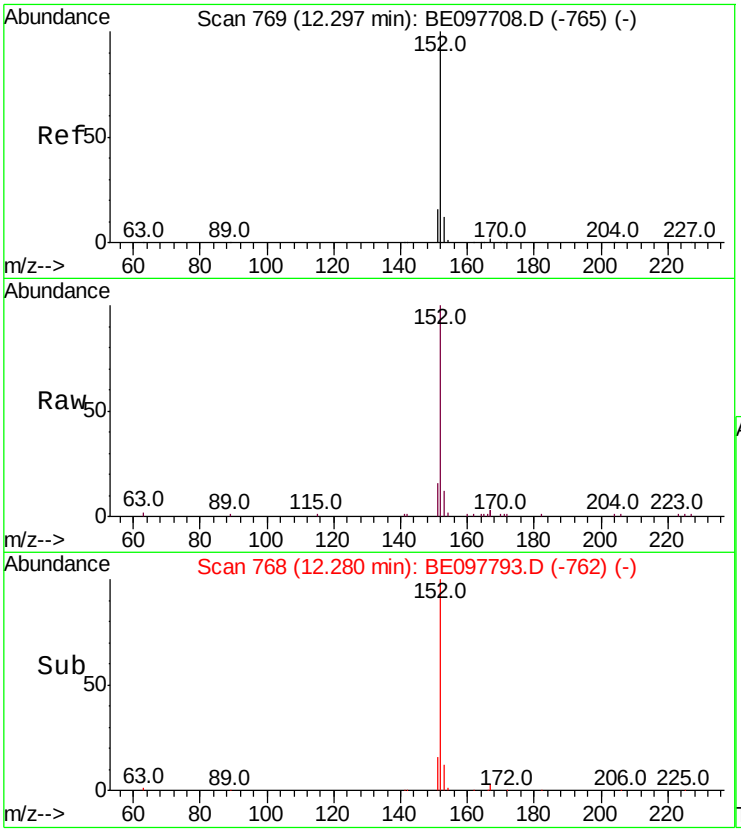


#10
Hexachlorobutadiene
Concen: 0.383 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:225 Resp: 3519

Ion	Ratio	Lower	Upper
225	100		
223	63.8	52.2	78.4
227	63.6	51.2	76.8



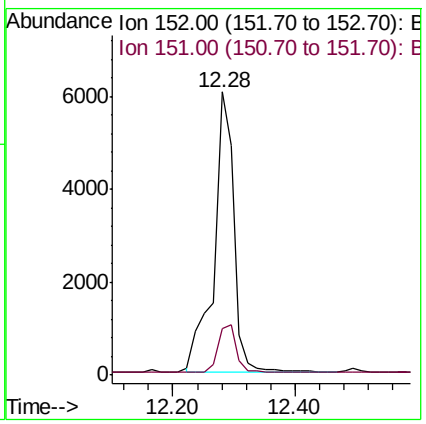


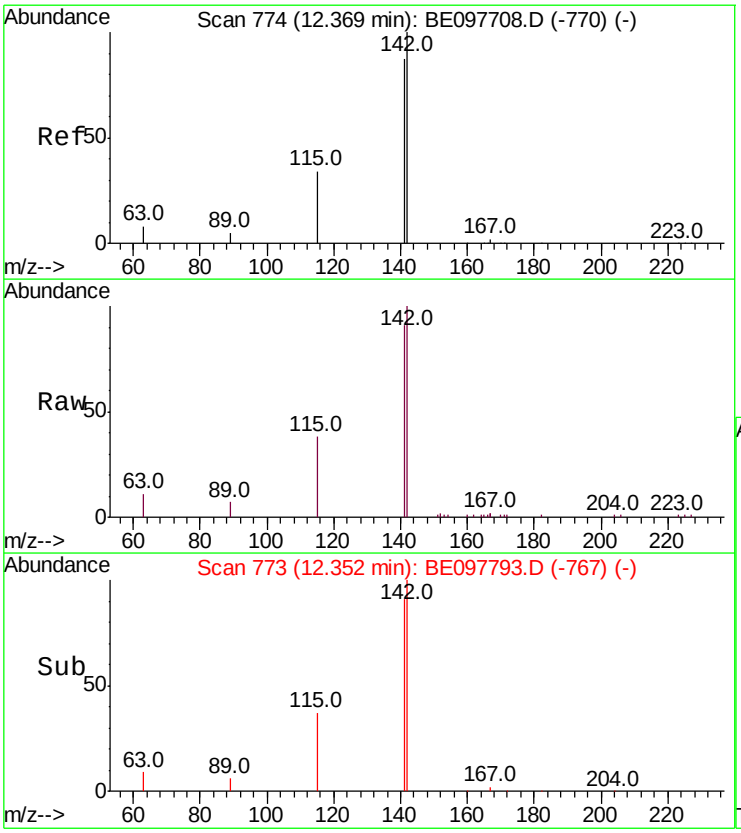
#11
2-Methylnaphthalene-d10
Concen: 0.498 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:152 Resp: 13624

Ion	Ratio	Lower	Upper
152	100		
151	16.0	15.4	23.2

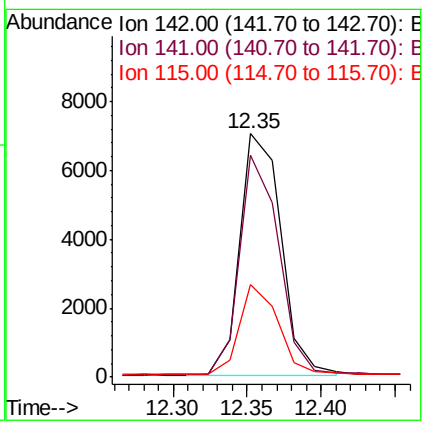


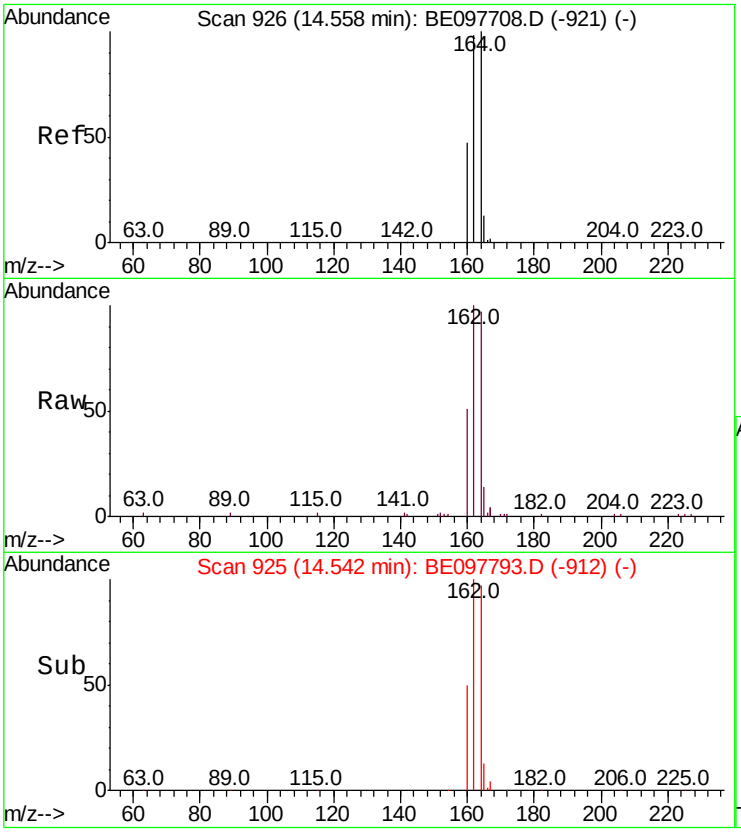


#12
2-Methylnaphthalene
Concen: 0.489 ng
RT: 12.35 min Scan# 773
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:142 Resp: 13559

Ion	Ratio	Lower	Upper
142	100		
141	90.9	69.4	104.2
115	37.8	28.0	42.0



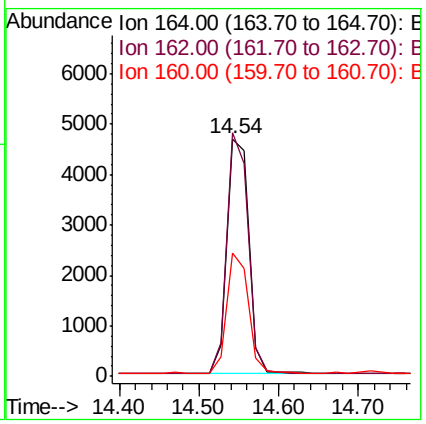


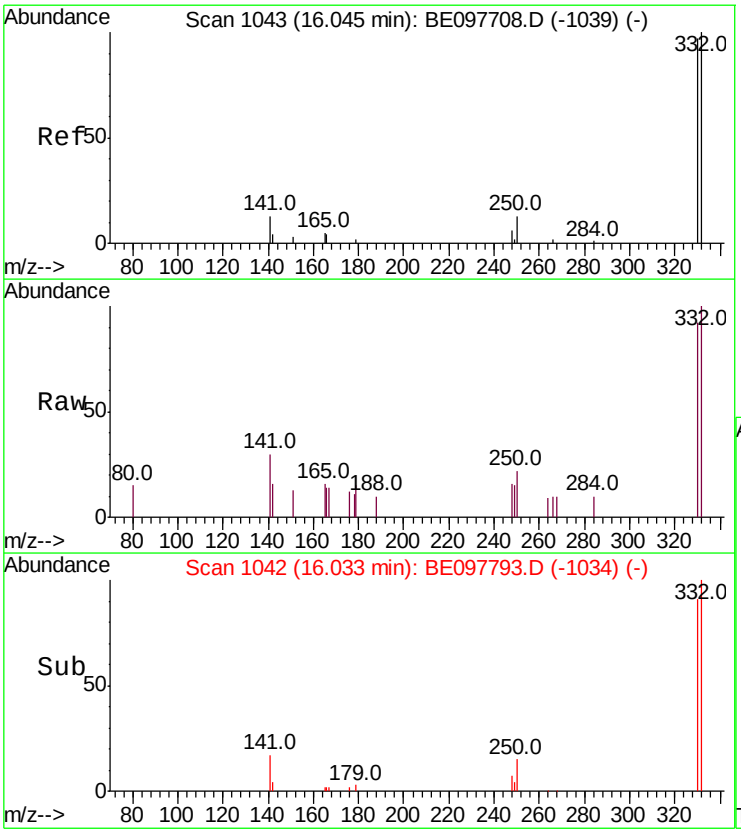
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:164 Resp: 8912

Ion	Ratio	Lower	Upper
164	100		
162	102.6	78.6	117.8
160	52.0	37.8	56.6

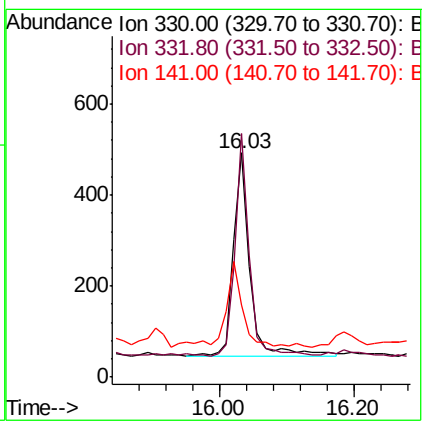


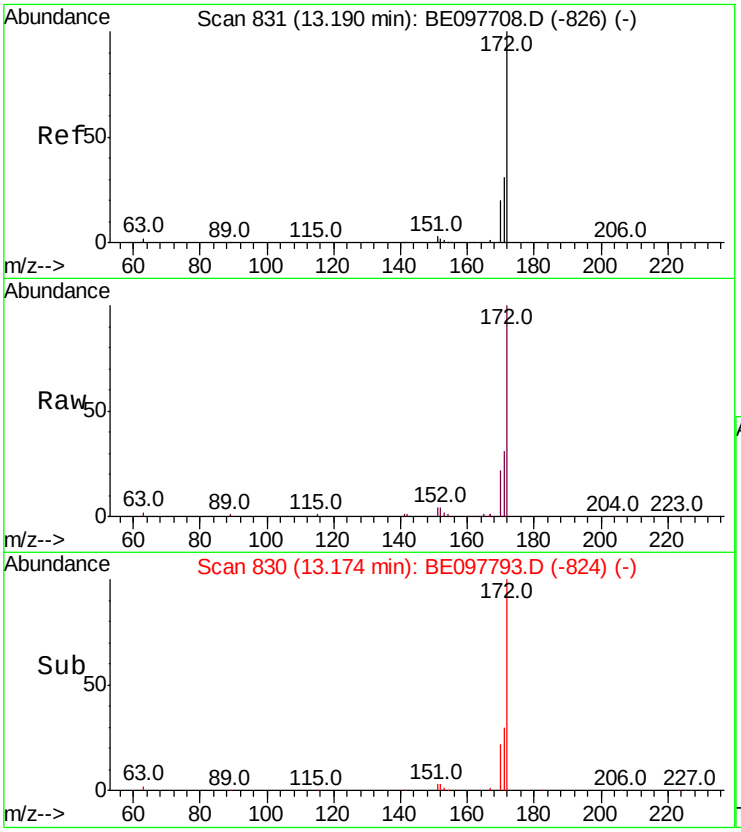


#14
2,4,6-Tribromophenol
Concen: 0.475 ng
RT: 16.03 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:330 Resp: 767

Ion	Ratio	Lower	Upper
330	100		
332	94.0	83.5	125.3
141	41.3	34.9	52.3



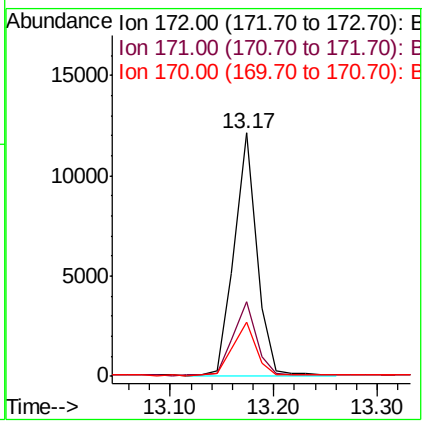


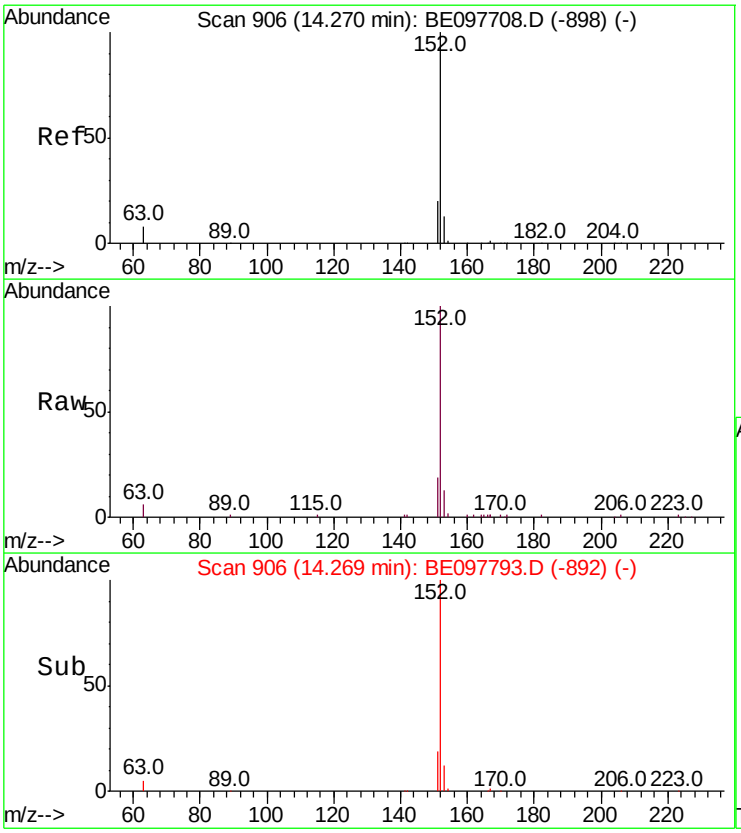
#15
2-Fluorobiphenyl
Concen: 0.467 ng
RT: 13.17 min Scan# 830
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:172 Resp: 18312

Ion	Ratio	Lower	Upper
172	100		
171	30.8	25.2	37.8
170	22.0	16.2	24.2

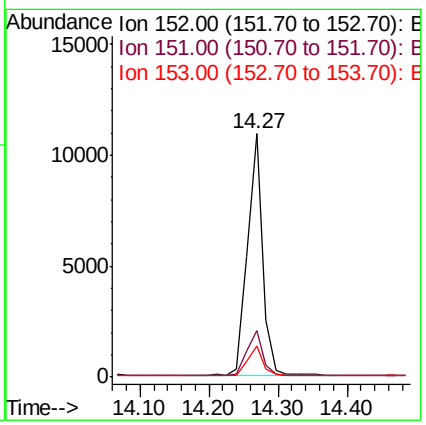


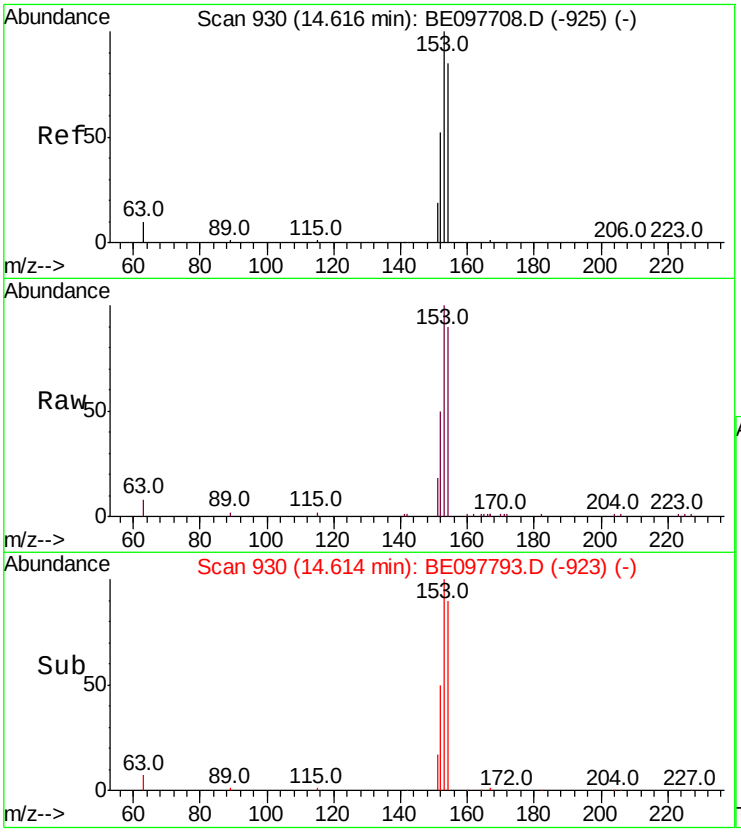


#16
Acenaphthylene
Concen: 0.435 ng
RT: 14.27 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:152 Resp: 17151

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.3	22.9
153	12.9	10.8	16.2



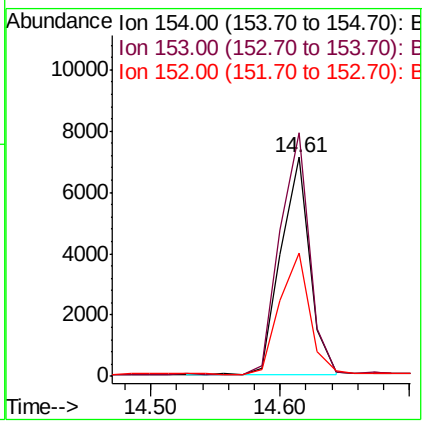


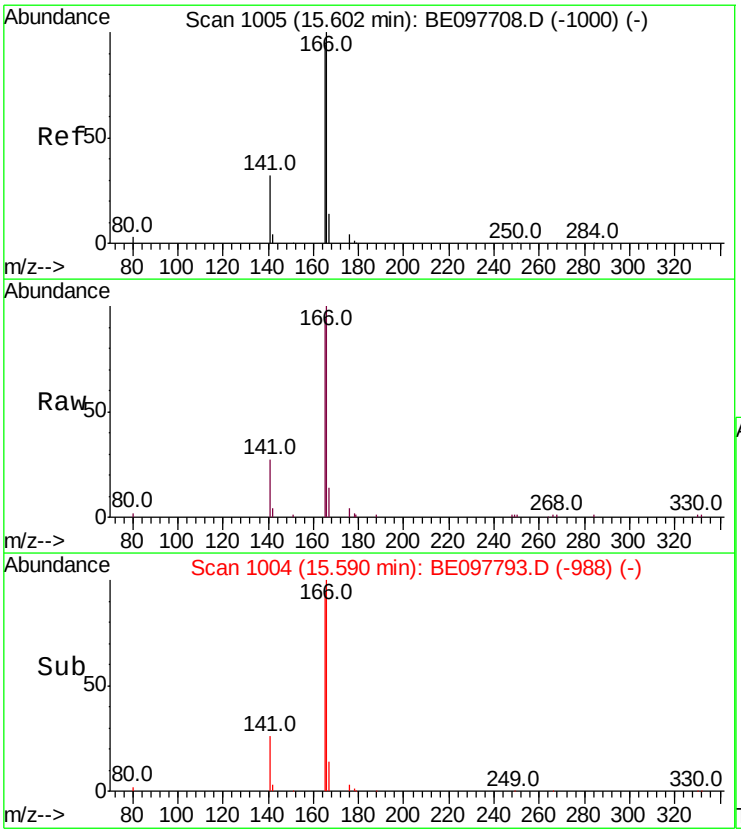
#17
Acenaphthene
Concen: 0.436 ng
RT: 14.61 min Scan# 930
Delta R.T. -0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:154 Resp: 11033

Ion	Ratio	Lower	Upper
154	100		
153	113.5	93.3	139.9
152	57.6	48.9	73.3

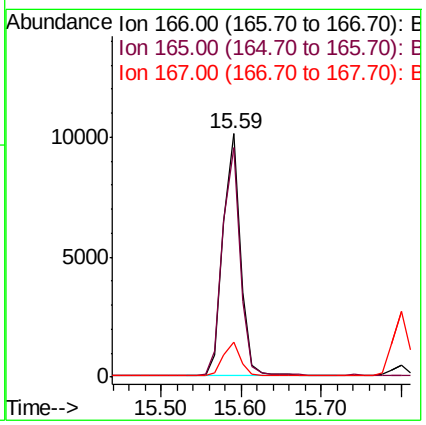


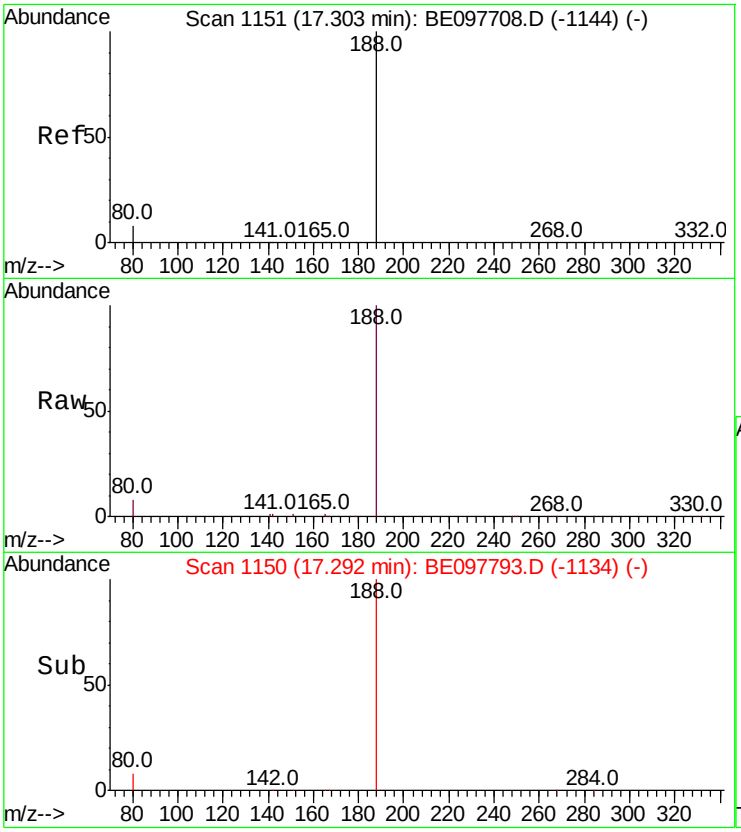


#18
Fluorene
Concen: 0.450 ng
RT: 15.59 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:166 Resp: 15109

Ion	Ratio	Lower	Upper
166	100		
165	96.2	79.0	118.4
167	14.2	11.1	16.7



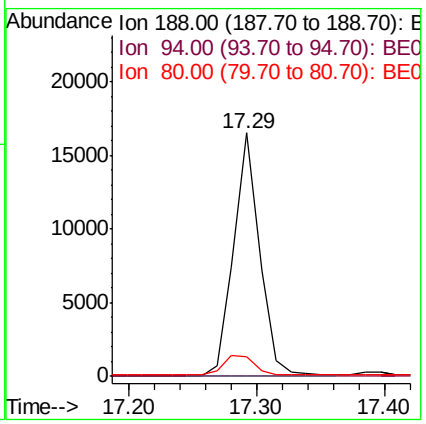


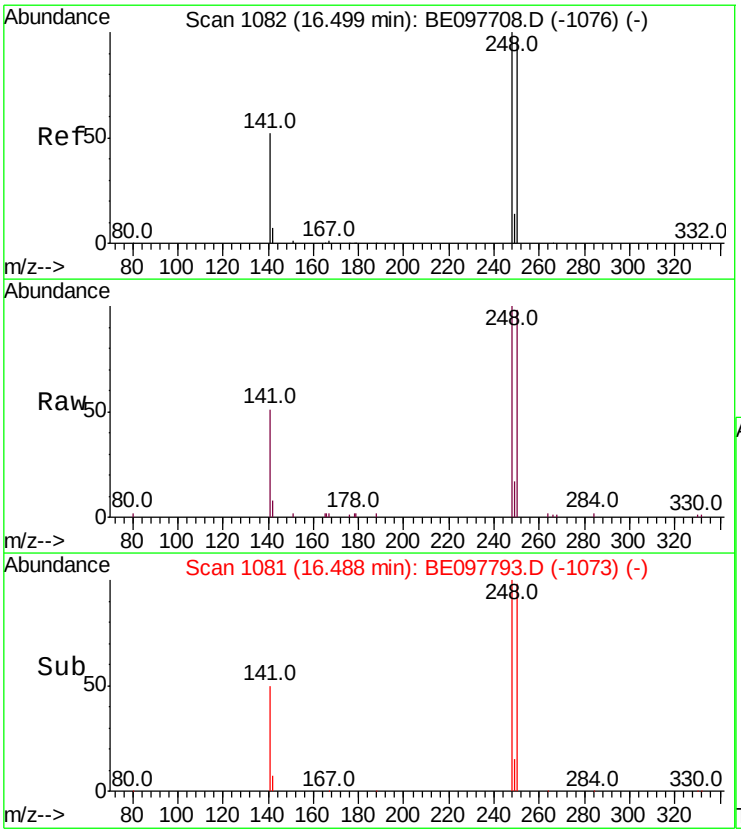
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.29 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:188 Resp: 23122

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.2	6.6	9.8

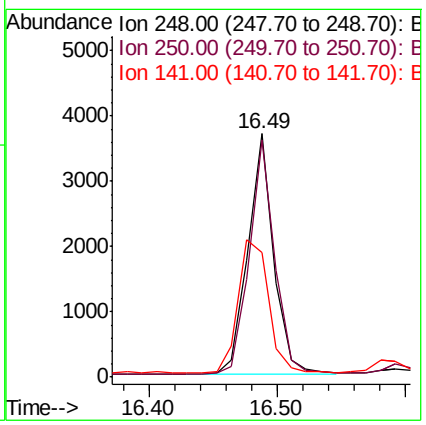


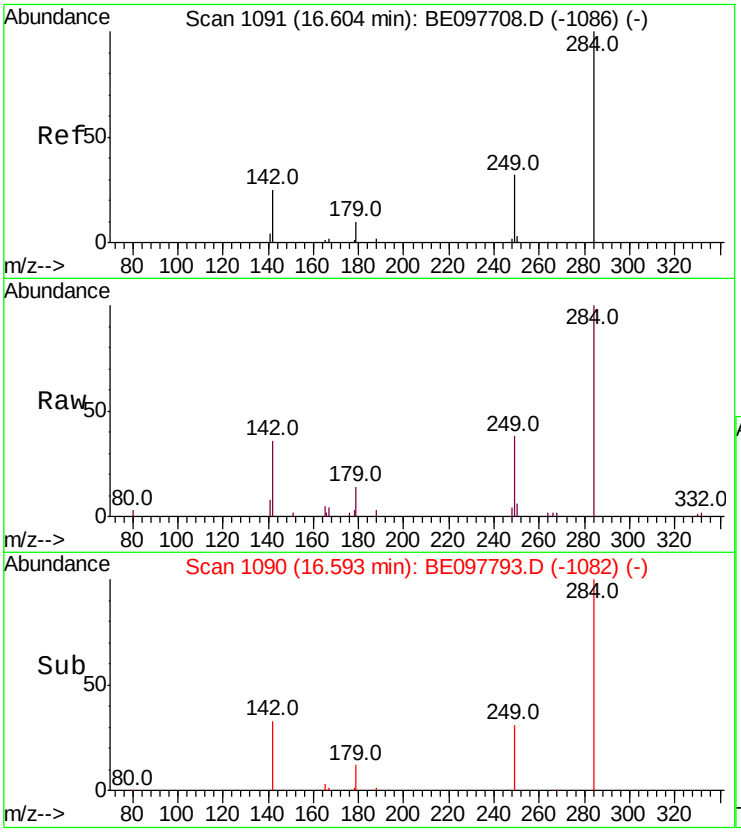


#20
4-Bromophenyl-phenylether
Concen: 0.425 ng
RT: 16.49 min Scan# 1081
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:248 Resp: 5158

Ion	Ratio	Lower	Upper
248	100		
250	97.7	76.1	114.1
141	51.0	42.2	63.4



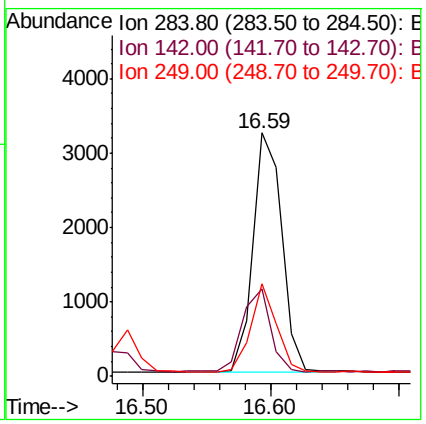


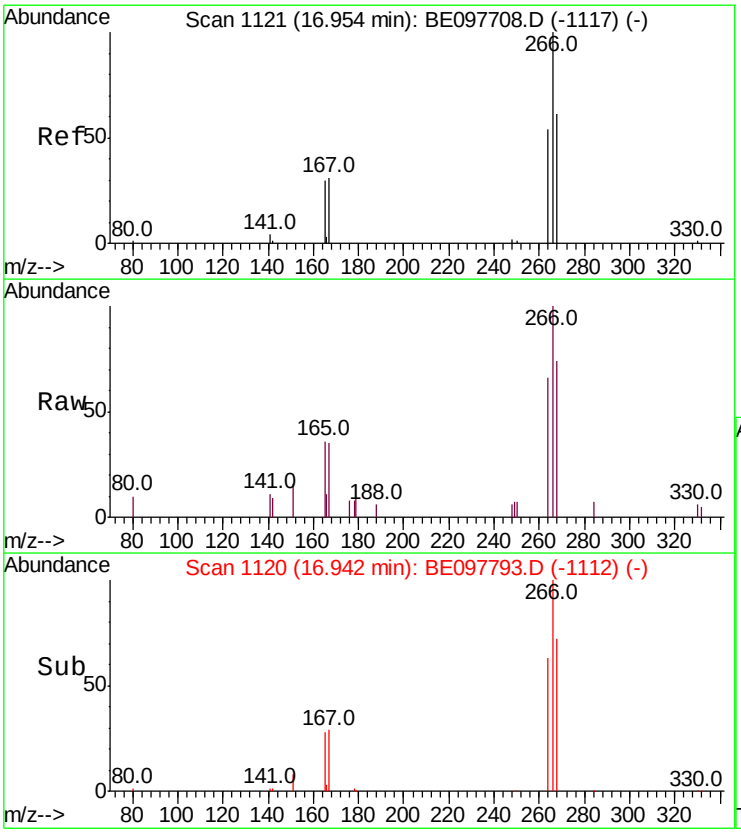
#21
Hexachlorobenzene
Concen: 0.376 ng
RT: 16.59 min Scan# 1090
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:284 Resp: 5130

Ion	Ratio	Lower	Upper
284	100		
142	33.0	24.9	37.3
249	32.7	25.8	38.8

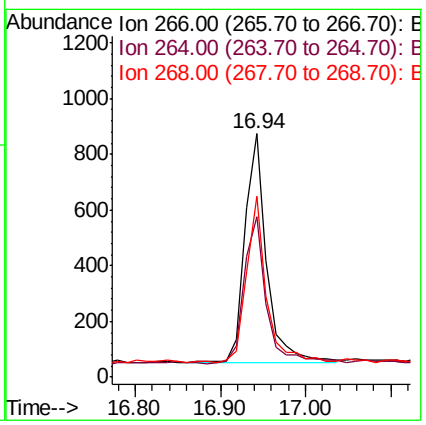


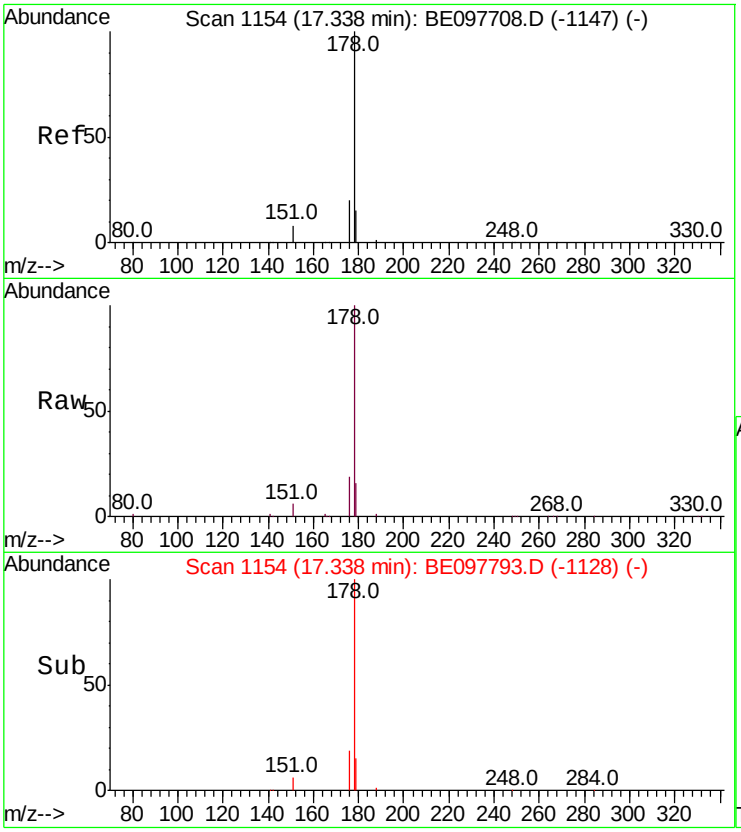


#22
Pentachlorophenol
Concen: 0.680 ng
RT: 16.94 min Scan# 1120
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:266 Resp: 1456

Ion	Ratio	Lower	Upper
266	100		
264	65.7	46.8	70.2
268	74.3	53.0	79.6



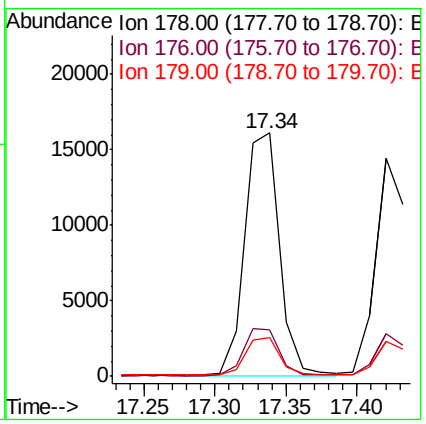


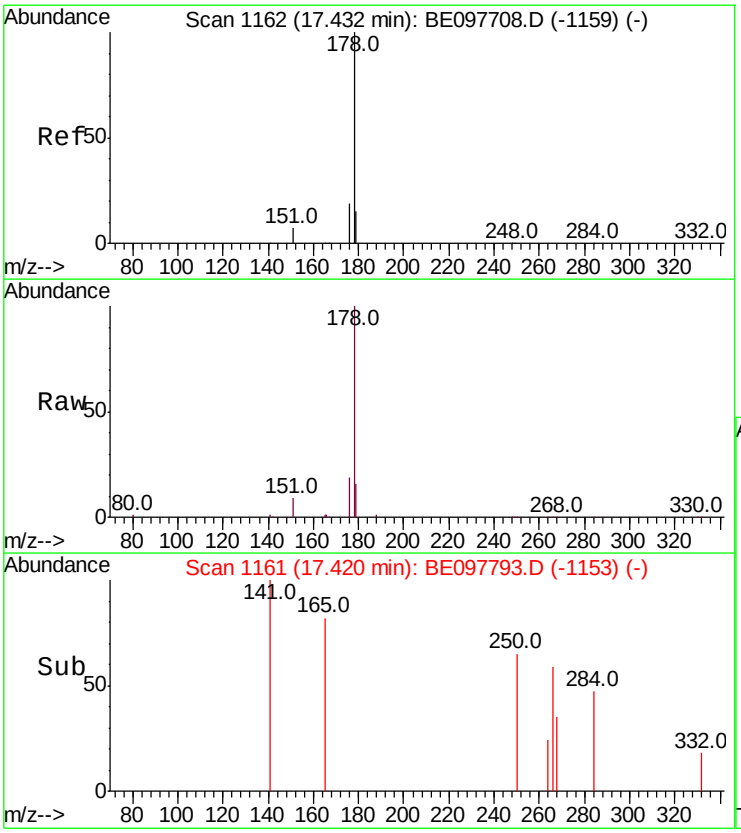
#23
Phenanthrene
Concen: 0.455 ng
RT: 17.34 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:178 Resp: 27098

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.4	23.2
179	15.2	12.2	18.4

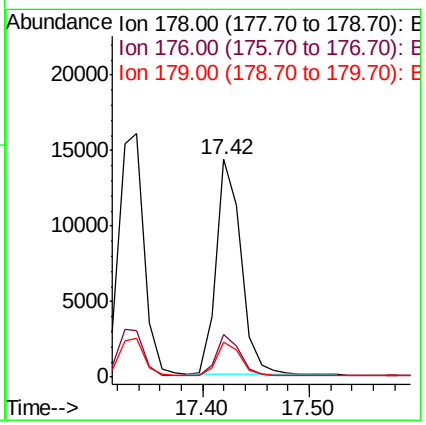


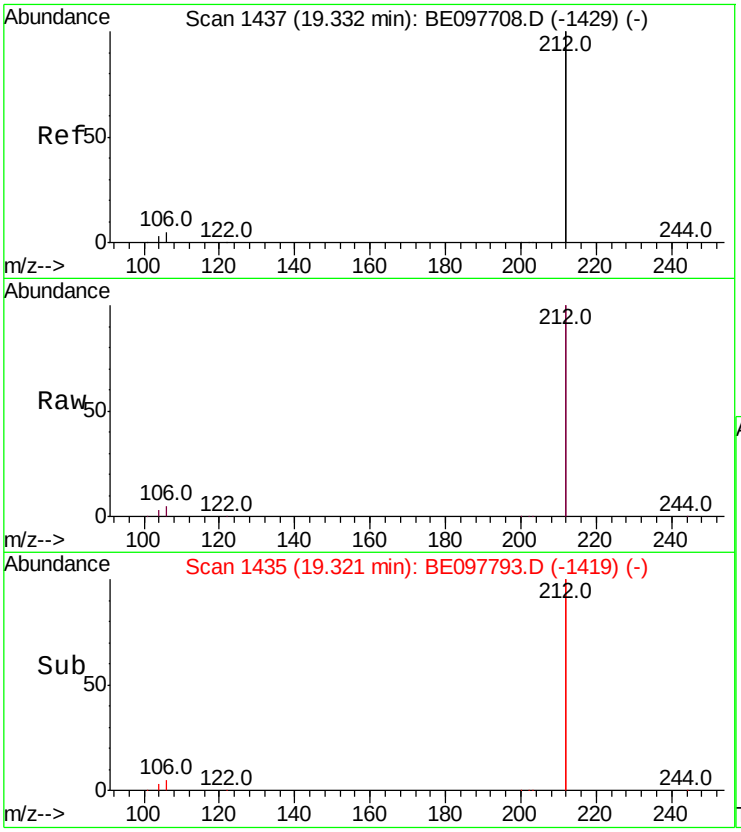


#24
Anthracene
Concen: 0.449 ng
RT: 17.42 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:178 Resp: 23115

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.4	12.2	18.2



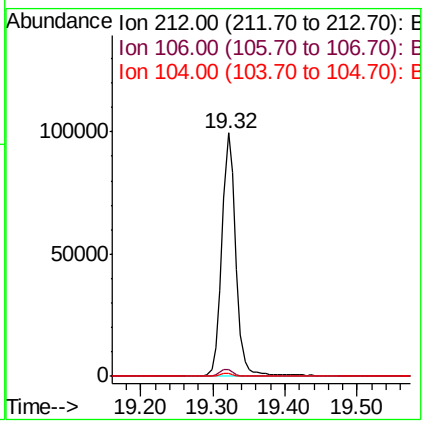


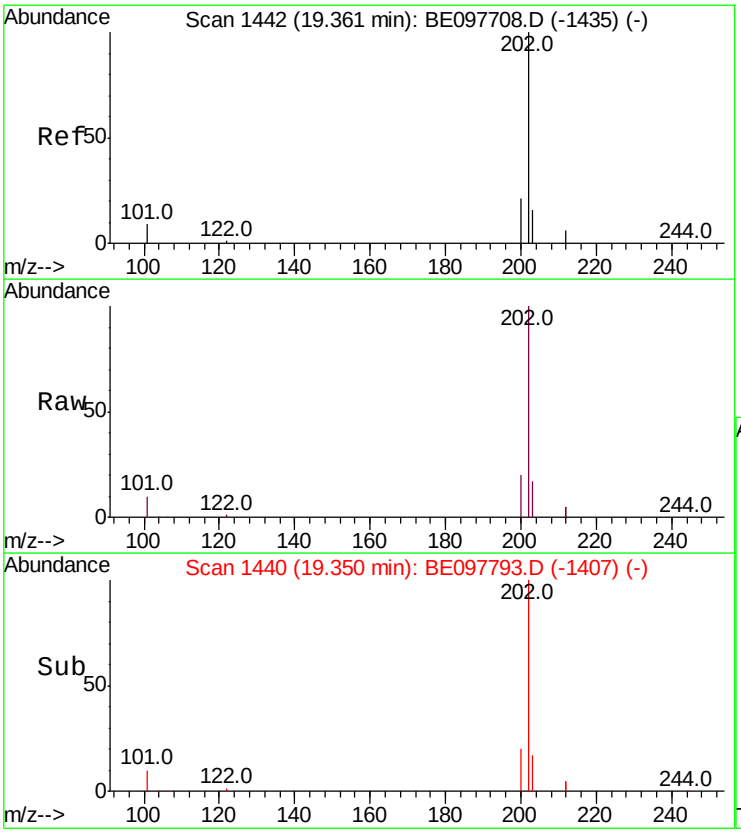
#25
Fluoranthene-d10
Concen: 0.451 ng
RT: 19.32 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:212 Resp: 132031

Ion	Ratio	Lower	Upper
212	100		
106	2.7	2.2	3.2
104	1.4	1.2	1.8

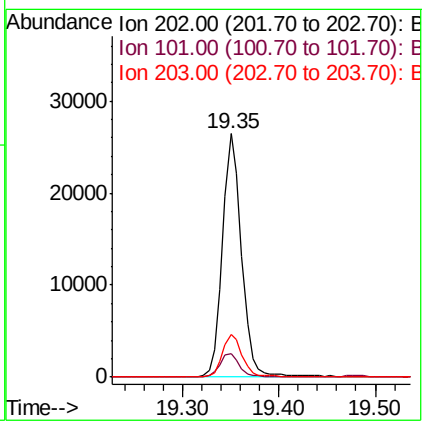


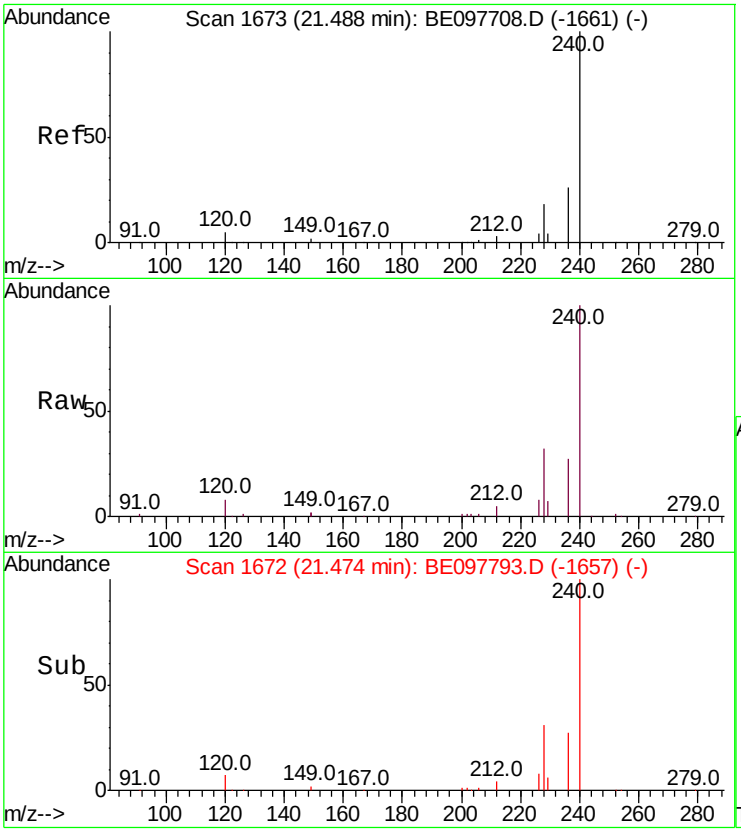


#26
Fluoranthene
Concen: 0.474 ng
RT: 19.35 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:202 Resp: 36017

Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.8	11.8
203	17.4	13.8	20.6



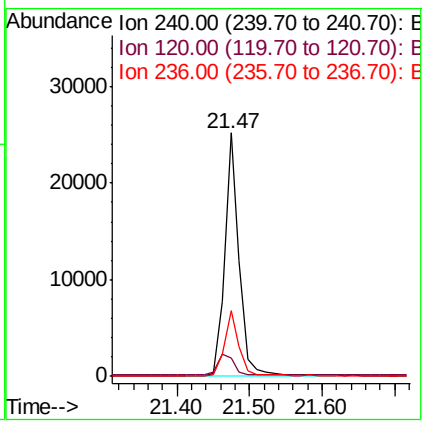


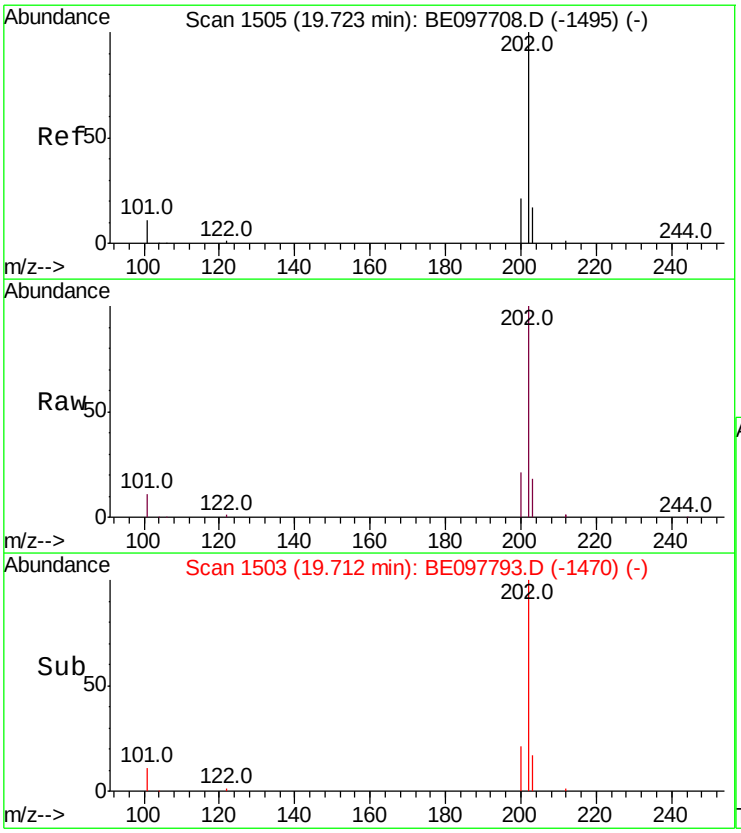
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.47 min Scan# 1672
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:240 Resp: 35222

Ion	Ratio	Lower	Upper
240	100		
120	7.5	4.7	7.1#
236	26.9	20.8	31.2

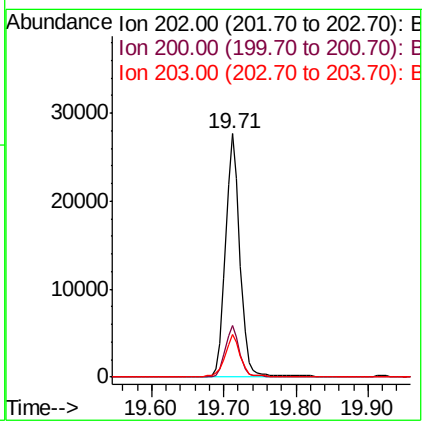


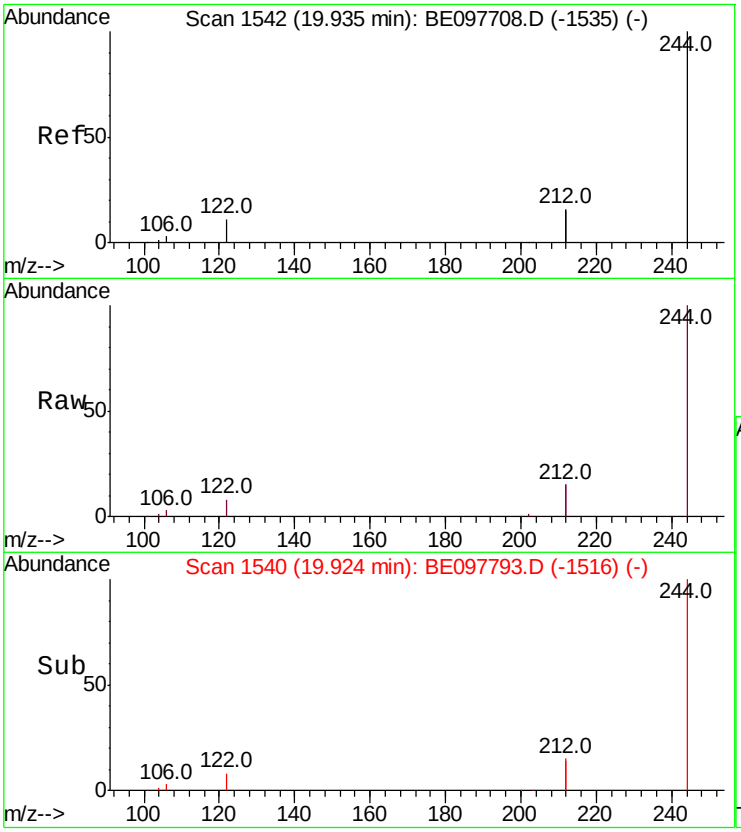


#28
Pyrene
Concen: 0.424 ng
RT: 19.71 min Scan# 1503
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:202 Resp: 37972

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.7	25.1
203	17.8	13.9	20.9



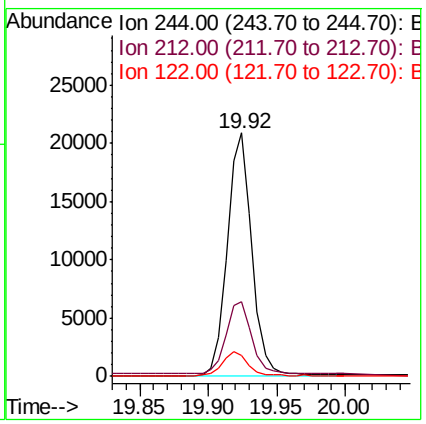


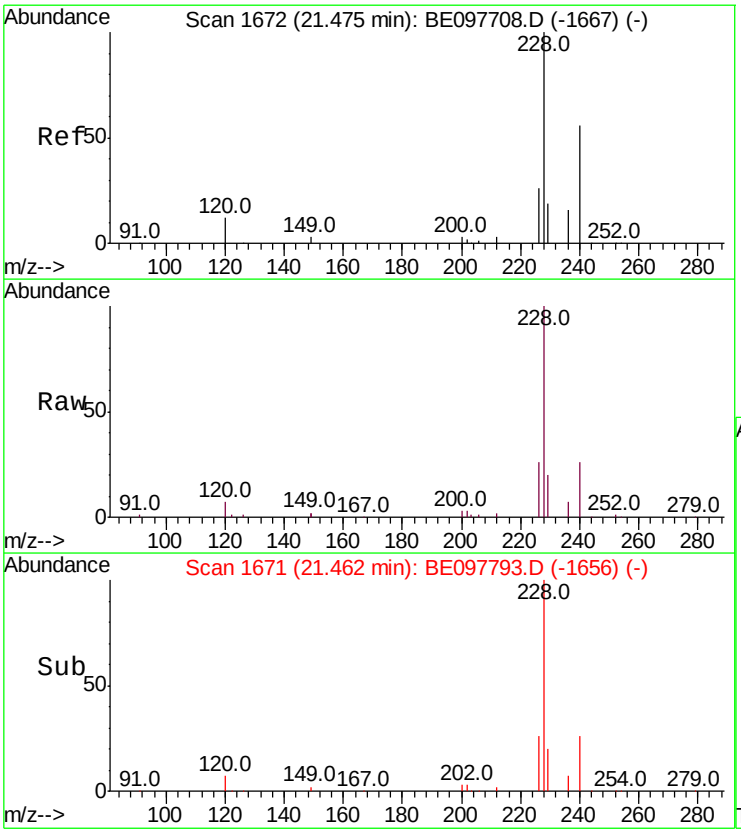
#29
Terphenyl-d14
Concen: 0.364 ng
RT: 19.92 min Scan# 1540
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:244 Resp: 26202

Ion	Ratio	Lower	Upper
244	100		
212	30.5	25.8	38.8
122	8.4	8.7	13.1#

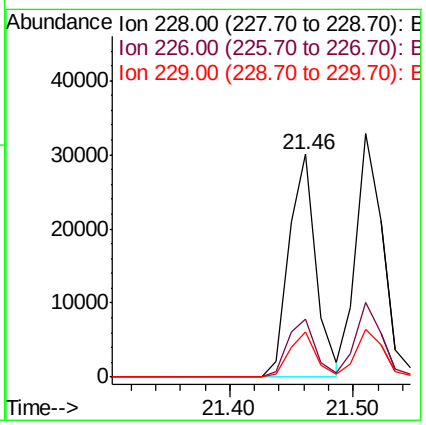


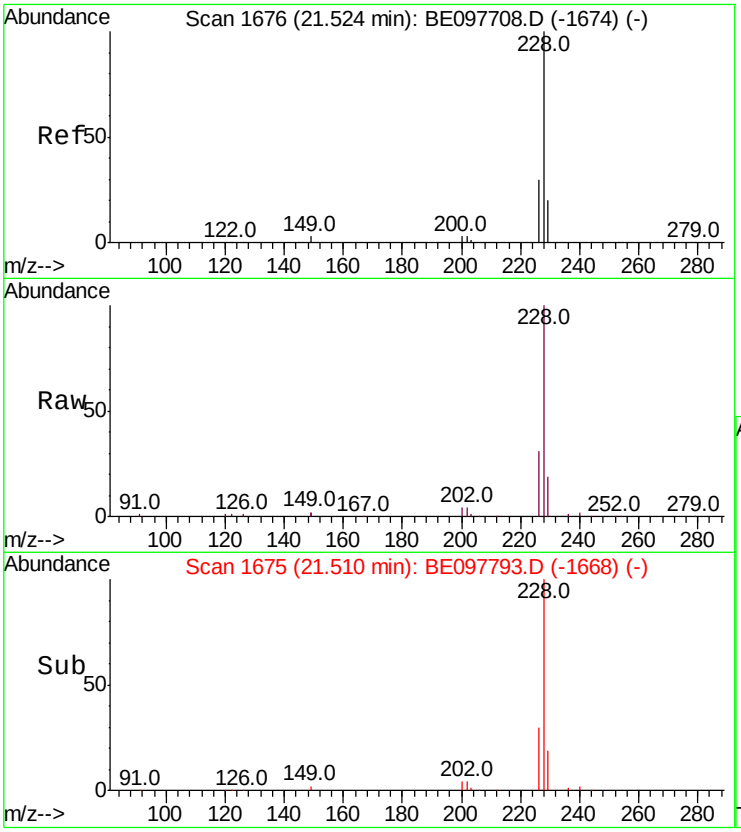


#30
Benzo(a)anthracene
Concen: 0.483 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:228 Resp: 45728

Ion	Ratio	Lower	Upper
228	100		
226	26.1	20.7	31.1
229	20.3	15.7	23.5



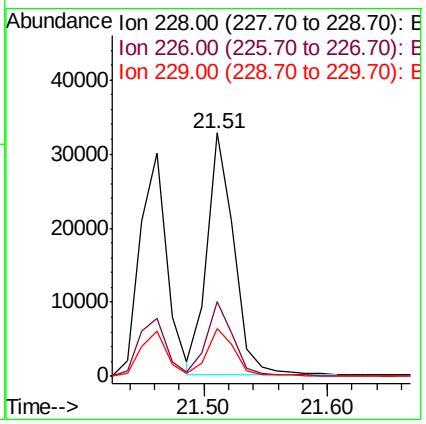


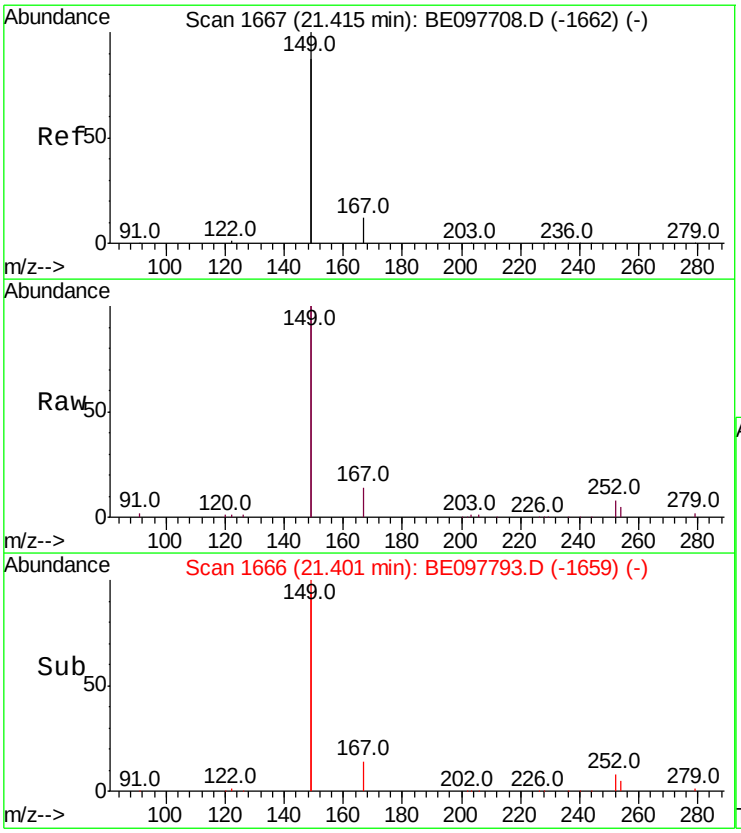
#31
Chrysene
Concen: 0.462 ng
RT: 21.51 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:228 Resp: 48939

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.3	36.5
229	19.5	16.0	24.0

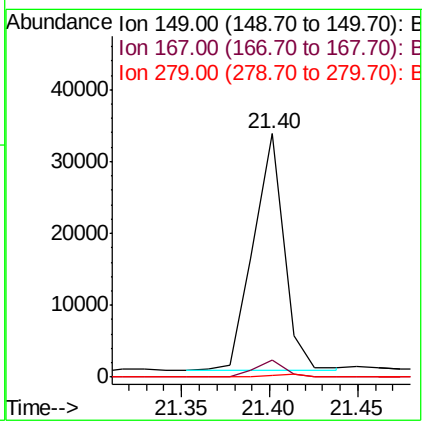


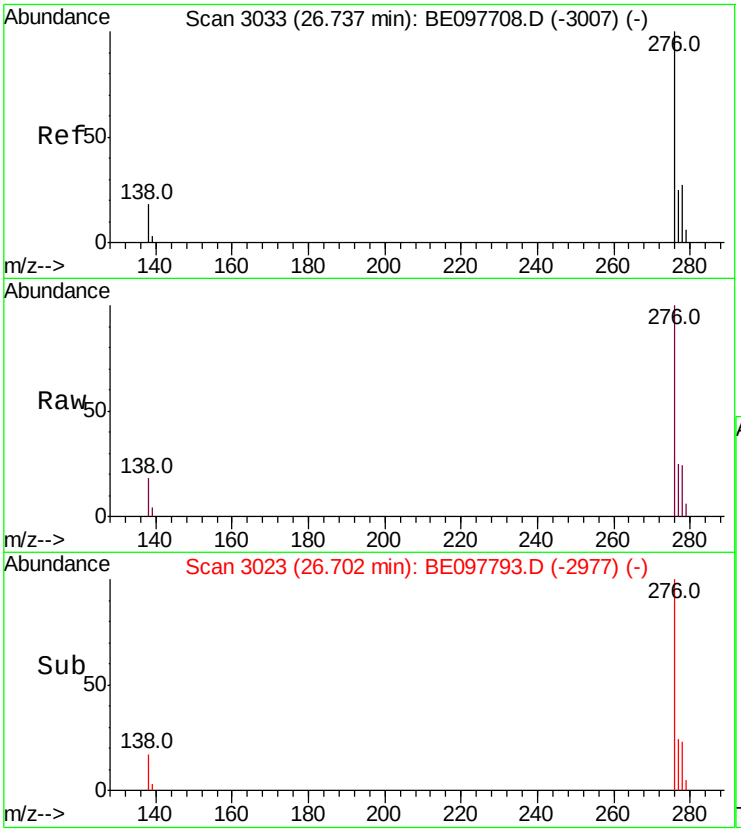


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.567 ng
RT: 21.40 min Scan# 1666
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:149 Resp: 39280

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.5	8.3
279	1.0	0.9	1.3



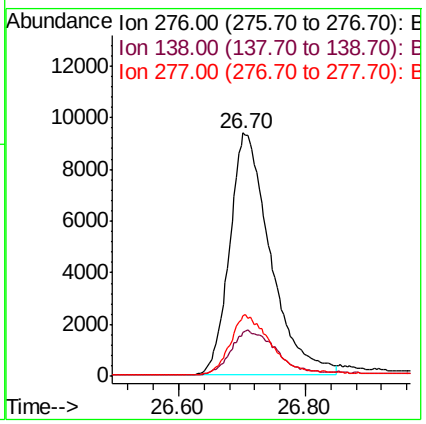


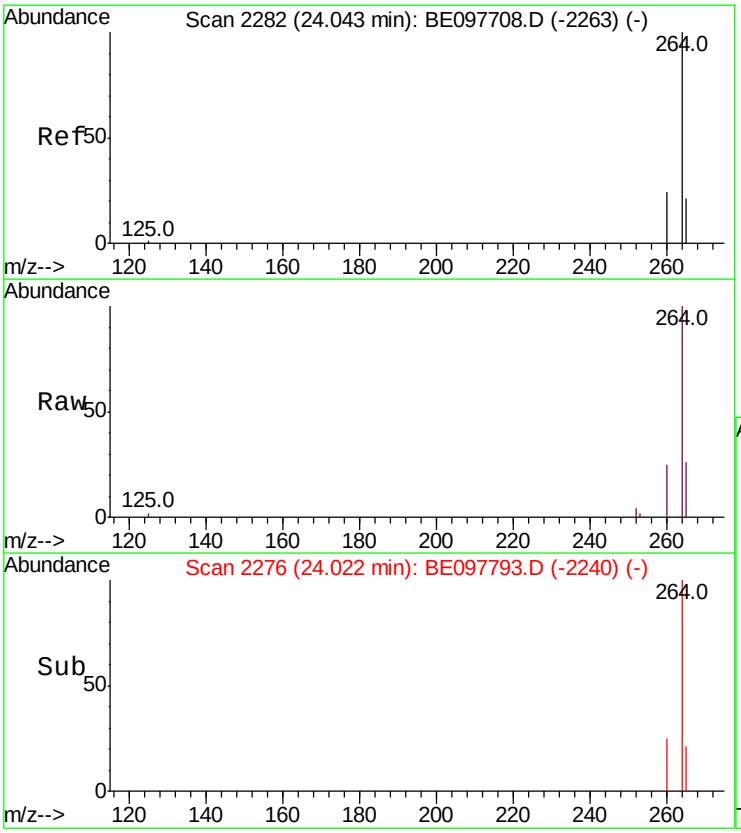
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.456 ng
RT: 26.70 min Scan# 3023
Delta R.T. -0.04 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:276 Resp: 41933

Ion	Ratio	Lower	Upper
276	100		
138	20.3	15.0	22.6
277	24.6	19.2	28.8

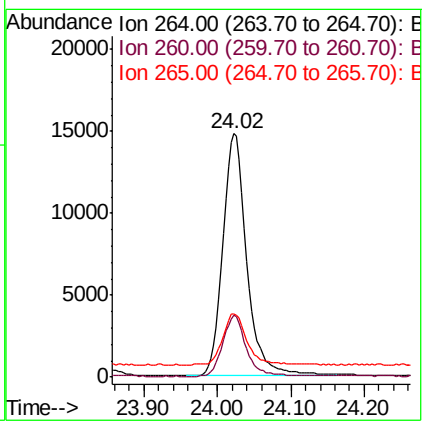


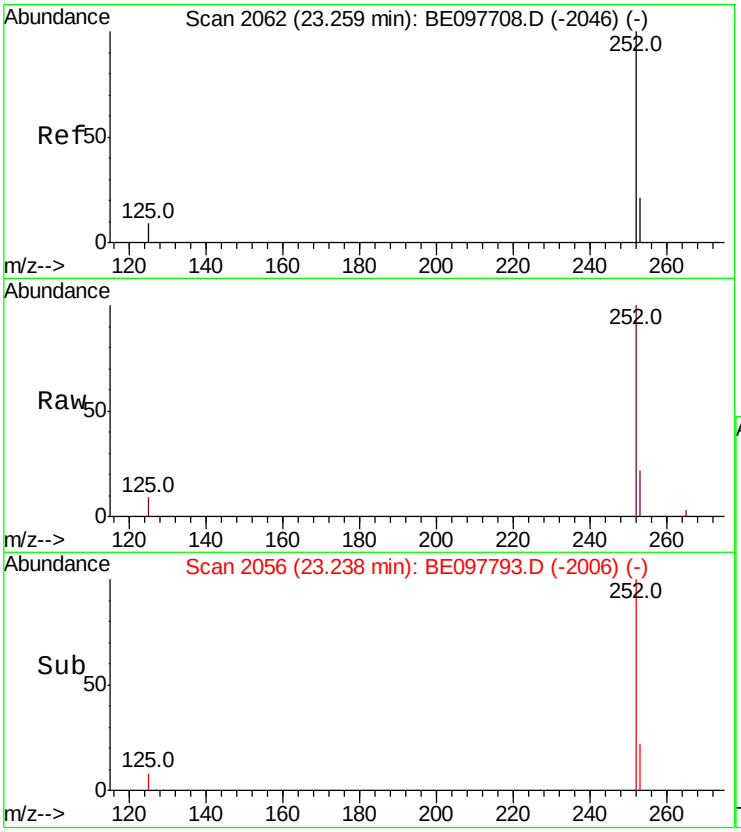


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2276
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:264 Resp: 34263

Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.1	28.7
265	26.1	21.9	32.9



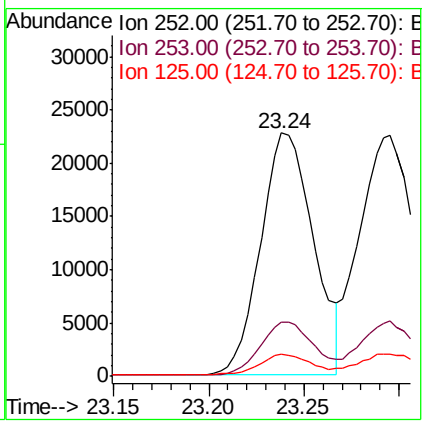


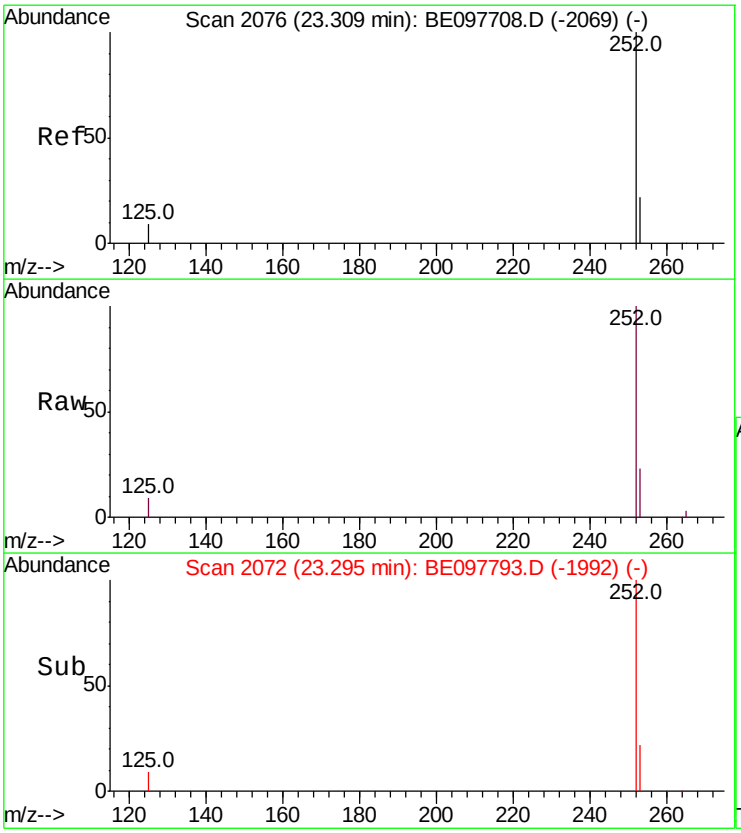
#35
Benzo(b)fluoranthene
Concen: 0.468 ng
RT: 23.24 min Scan# 2056
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:252 Resp: 44013

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.5	26.3
125	8.9	7.8	11.8

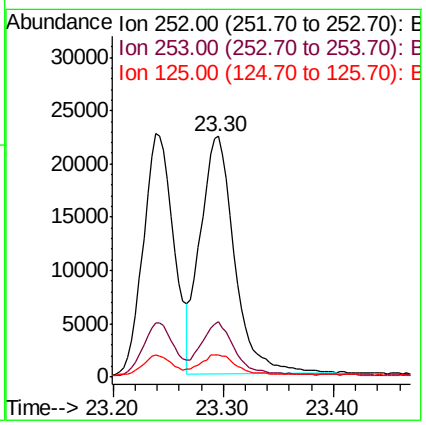


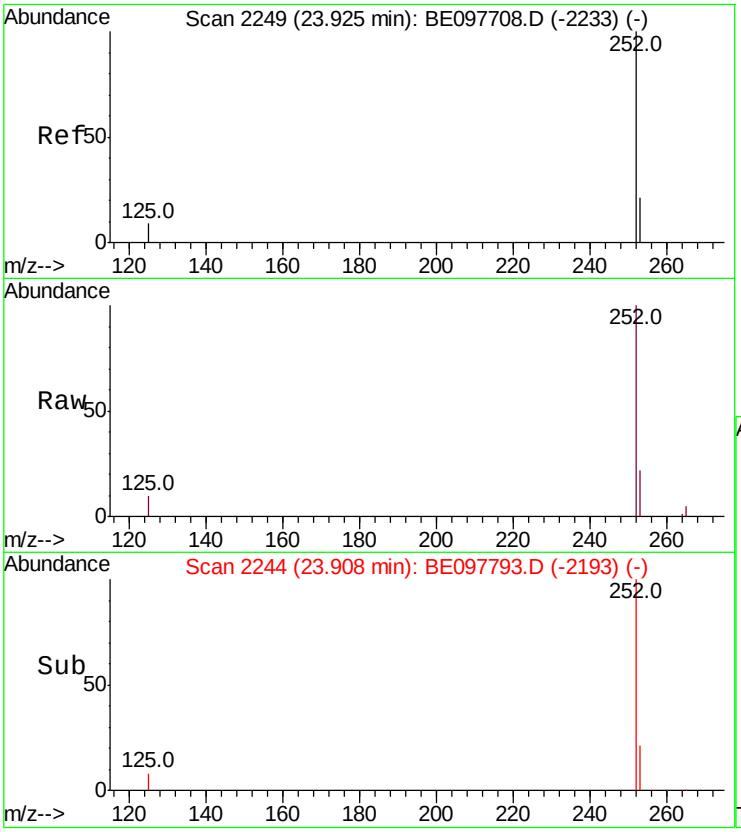


#36
Benzo(k)fluoranthene
Concen: 0.465 ng
RT: 23.30 min Scan# 2072
Delta R.T. -0.01 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:252 Resp: 48430

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	9.5	7.5	11.3



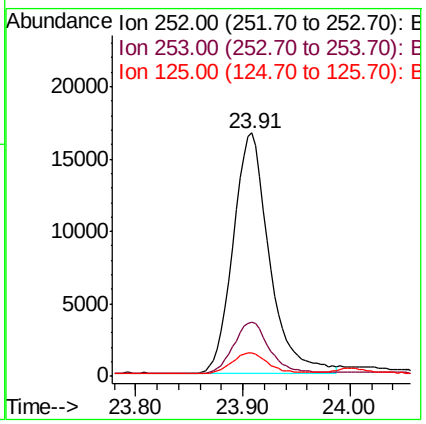


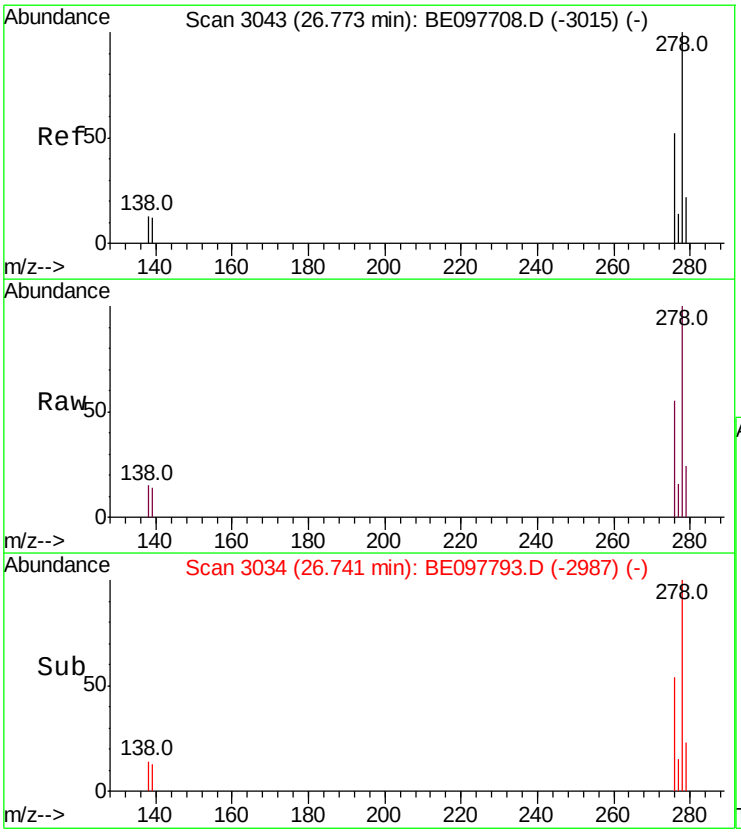
#37
Benzo(a)pyrene
Concen: 0.459 ng
RT: 23.91 min Scan# 2244
Delta R.T. -0.02 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:252 Resp: 39112

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	9.7	8.3	12.5

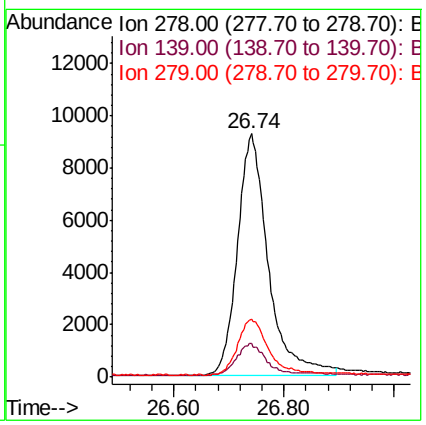


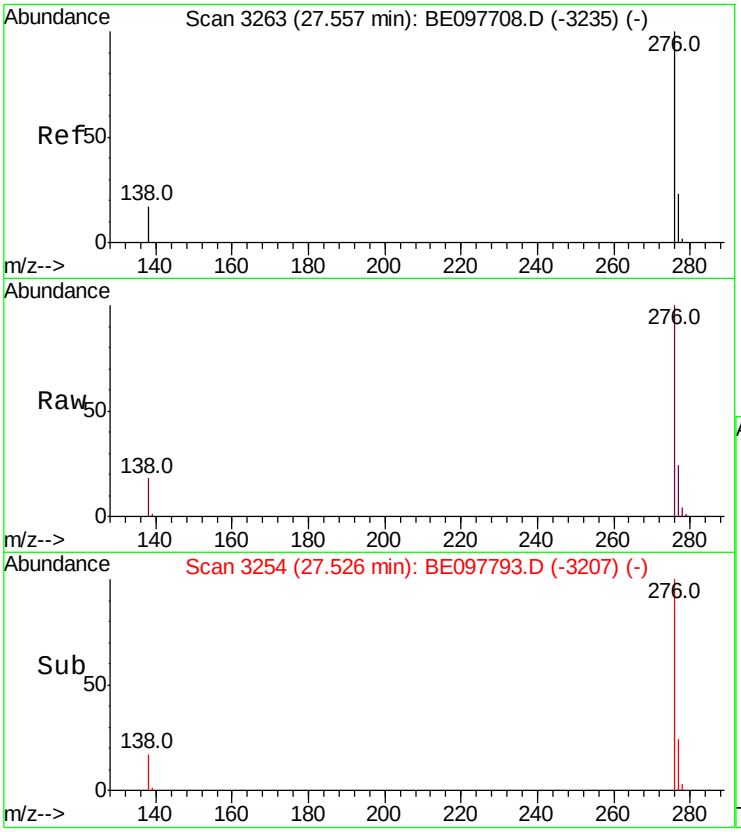


#38
Dibenzo(a,h)anthracene
Concen: 0.432 ng
RT: 26.74 min Scan# 3034
Delta R.T. -0.03 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Tgt Ion:278 Resp: 36203

Ion	Ratio	Lower	Upper
278	100		
139	13.8	10.3	15.5
279	23.6	18.4	27.6





#39
Benzo(g,h,i)perylene
Concen: 0.434 ng
RT: 27.53 min Scan# 3254
Delta R.T. -0.03 min
Lab File: BE097793.D
Acq: 8 Oct 2018 14:24

Instrument :
BNA_E
ClientSampleId :
RE-125D2-2018001MSD

Tgt Ion:276 Resp: 38058

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	17.8	14.2	21.2