Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
Data File : BE097339.D
Acq On : 20 Aug 2018 19:29
Operator : SJ/JU
Sample : PB112113BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Aug 21 05:05:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 20 18:32:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1033	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	4261	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	1962	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	5783	0.40	ng		0.00
27) Chrysene-d12	20.98	240	5526	0.40	ng		0.00
34) Perylene-d12	23.22	264	4216	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1265	0.53	ng		0.01
5) Phenol-d6	6.60	99	1469	0.42	ng		0.00
8) Nitrobenzene-d5	8.52	82	1014	0.56	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	3446	0.60	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	194	0.52	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	3747	0.47	ng		0.00
25) Fluoranthene-d10	18.81	212	28700	0.56	ng		0.00
29) Terphenyl-d14	19.43	244	4630	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.11	88	649	0.422	ng	#	83
3) n-Nitrosodimethylamine	3.38	42	853	0.597	ng	#	80
6) bis(2-Chloroethyl)ether	6.84	93	1464	0.419	ng		97
9) Naphthalene	10.18	128	18826	0.482	ng		100
10) Hexachlorobutadiene	10.47	225	776	0.452	ng		97
12) 2-Methylnaphthalene	11.80	142	2791	0.475	ng		99
16) Acenaphthylene	13.73	152	3297	0.442	ng		99
17) Acenaphthene	14.07	154	2440	0.462	ng		94
18) Fluorene	15.06	166	3308	0.513	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	1072	0.411	ng	#	88
21) Hexachlorobenzene	16.08	284	1334	0.381	ng	#	82
22) Pentachlorophenol	16.44	266	334	1.024	ng		85
23) Phenanthrene	16.80	178	6775	0.480	ng		98
24) Anthracene	16.89	178	5457	0.523	ng		96
26) Fluoranthene	18.84	202	7740	0.570	ng		98
28) Pyrene	19.20	202	7260	0.489	ng		99
30) Benzo(a)anthracene	20.97	228	6074	0.511	ng		96
31) Chrysene	21.02	228	7421	0.477	ng		99
32) Bis(2-ethylhexyl)phthalate	20.92	149	3436	0.518	ng		99
33) Indeno(1,2,3-cd)pyrene	25.53	276	5277	0.533	ng	#	88
35) Benzo(b)fluoranthene	22.54	252	5447	0.490	ng	#	89
36) Benzo(k)fluoranthene	22.59	252	7483	0.480	ng		94
37) Benzo(a)pyrene	23.12	252	4804	0.475	ng	#	93
38) Dibenzo(a,h)anthracene	25.55	278	4010	0.463	ng		96
39) Benzo(g,h,i)perylene	26.23	276	4386	0.503	ng	#	91

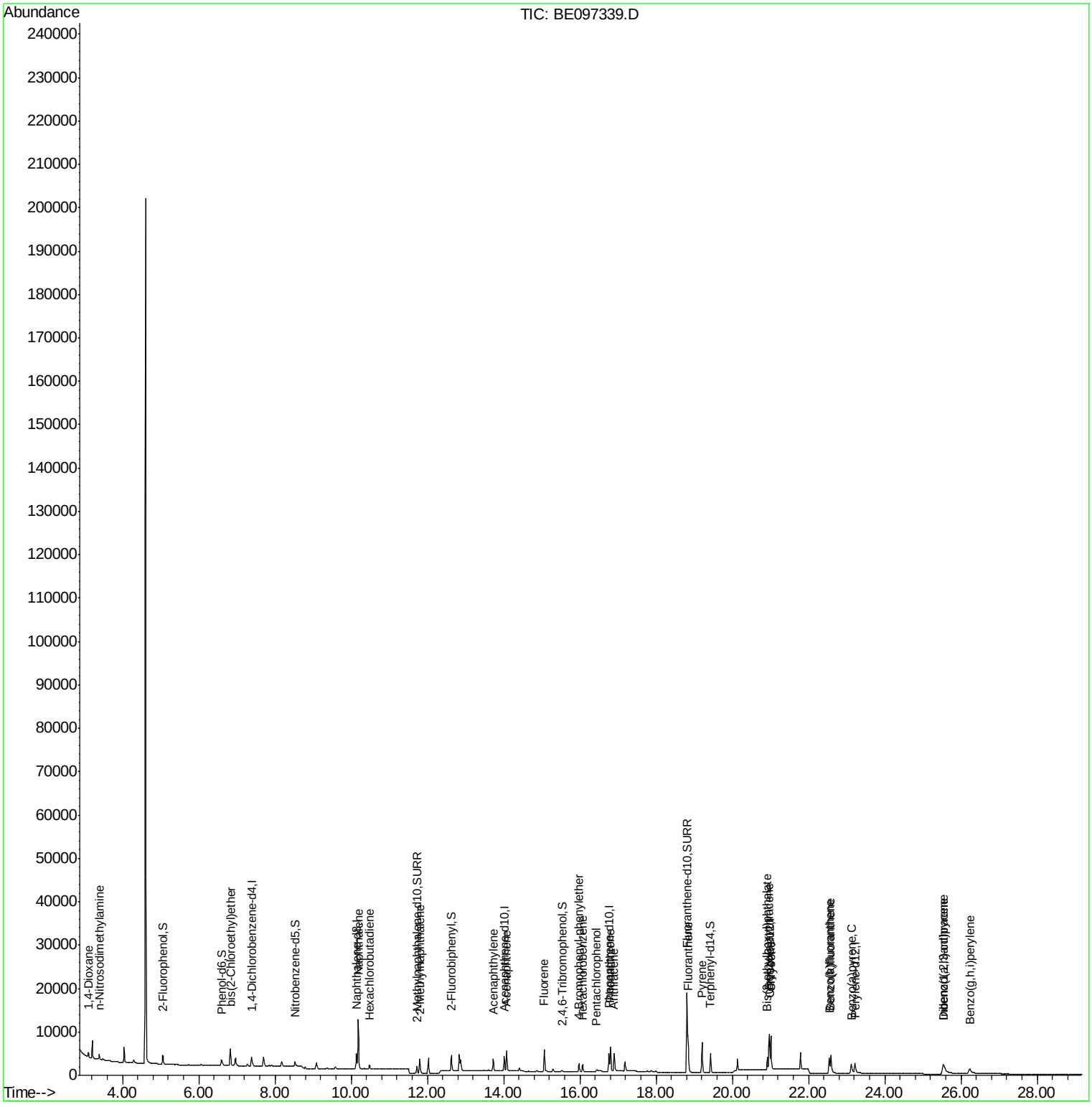
(#) = qualifier out of range (m) = manual integration (+) = signals summed

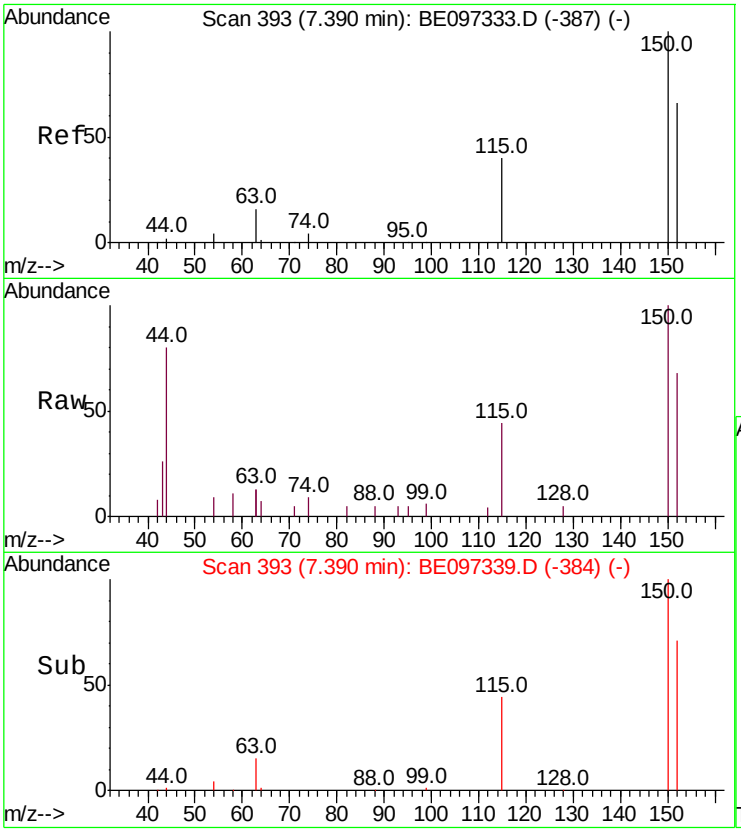
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082018\
Data File : BE097339.D
Acq On : 20 Aug 2018 19:29
Operator : SJ/JU
Sample : PB112113BSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Aug 21 05:05:36 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 20 18:32:10 2018
Response via : Initial Calibration



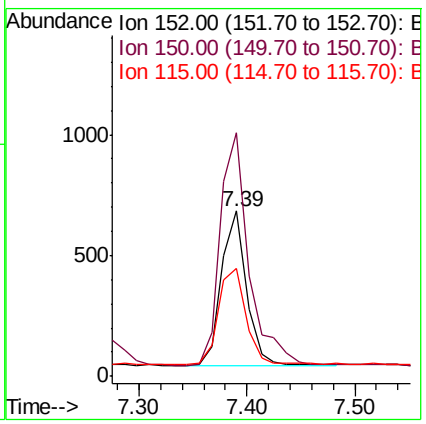


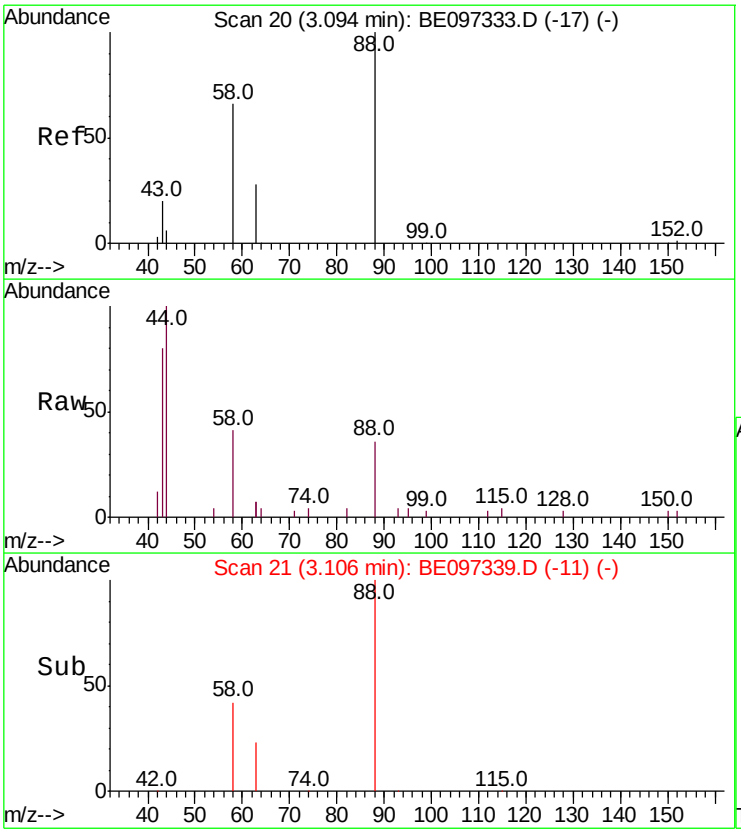
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1033

Ion	Ratio	Lower	Upper
152	100		
150	147.2	117.2	175.8
115	65.4	57.0	85.6

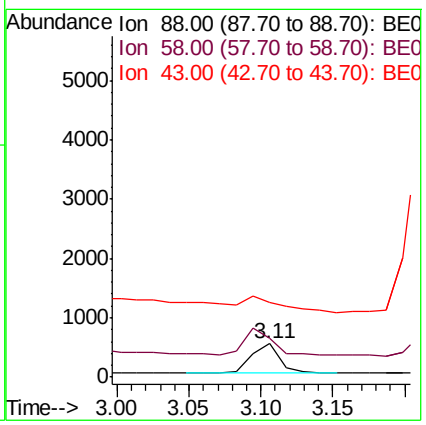


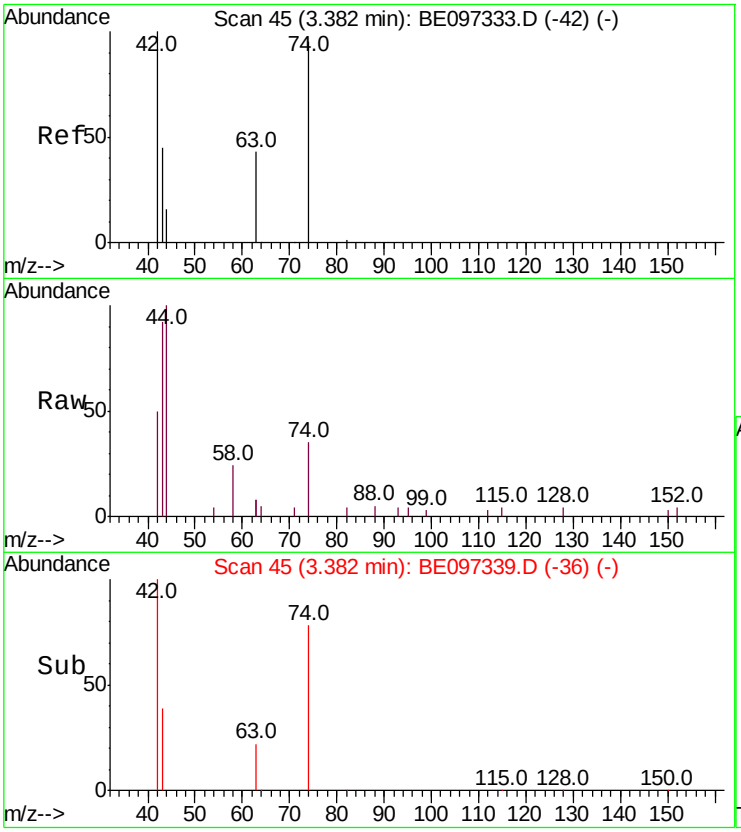


#2
1,4-Dioxane
Concen: 0.422 ng
RT: 3.11 min Scan# 21
Delta R.T. 0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion: 88 Resp: 649

Ion	Ratio	Lower	Upper
88	100		
58	89.2	63.2	94.8
43	69.0	41.2	61.8#



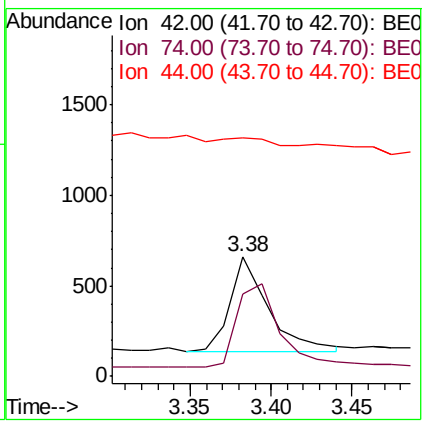


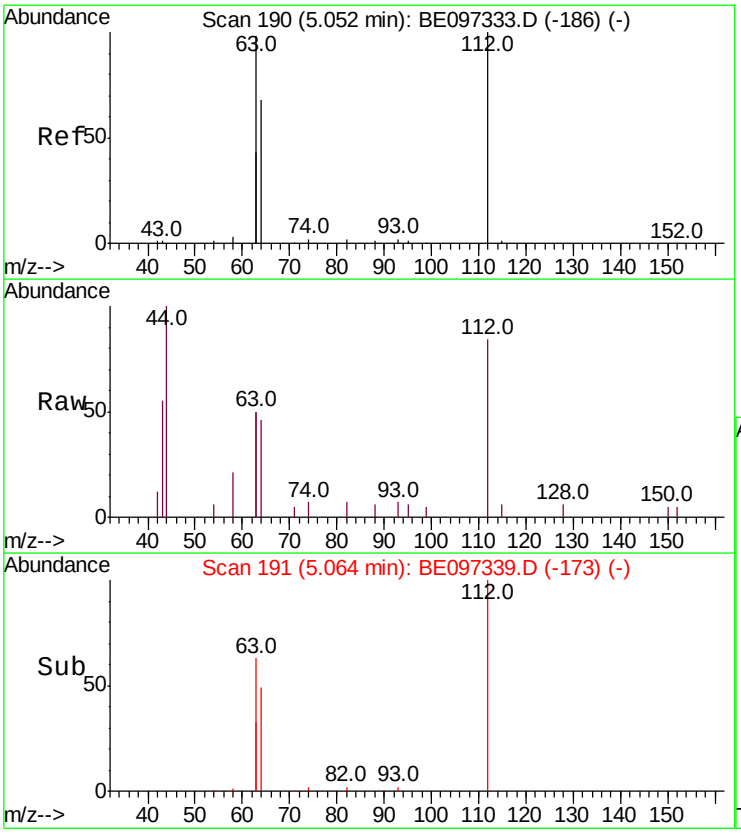
#3
n-Nitrosodimethylamine
Concen: 0.597 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 853

Ion	Ratio	Lower	Upper
42	100		
74	99.5	96.0	144.0
44	0.0	12.0	18.0#

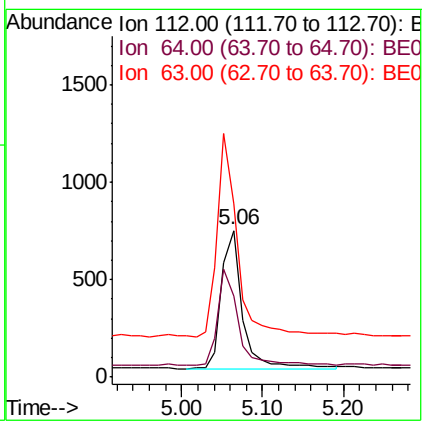


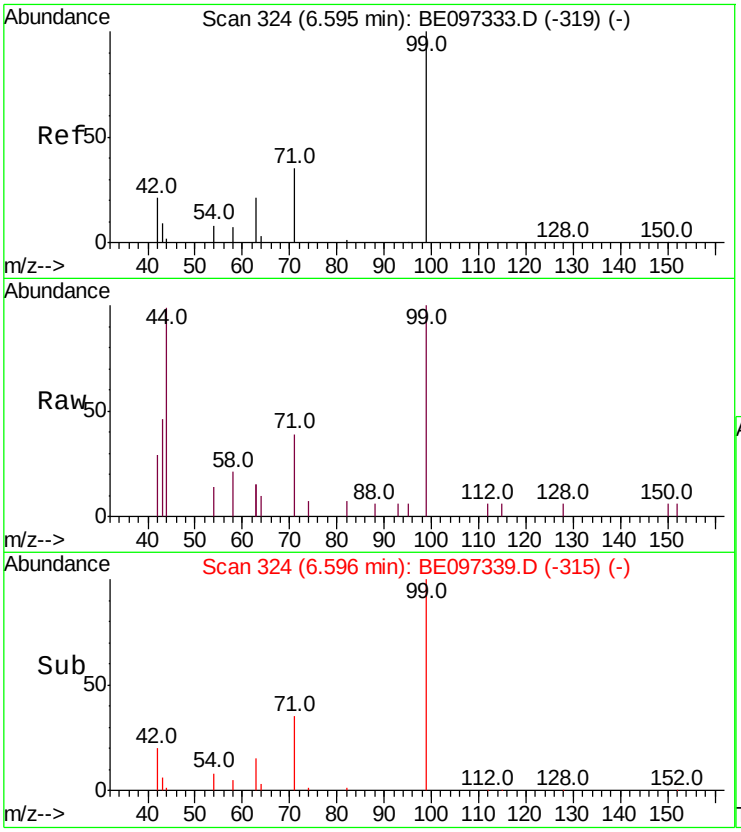


#4
2-Fluorophenol
Concen: 0.534 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:112 Resp: 1265

Ion	Ratio	Lower	Upper
112	100		
64	67.7	60.1	90.1
63	143.2	116.8	175.2



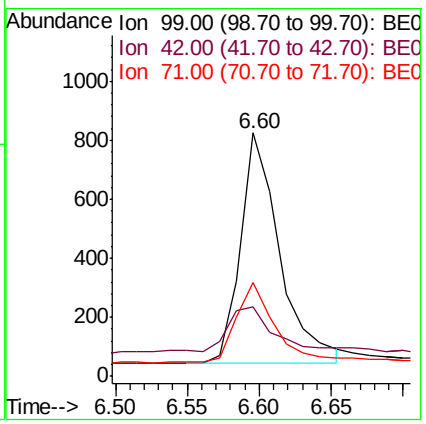


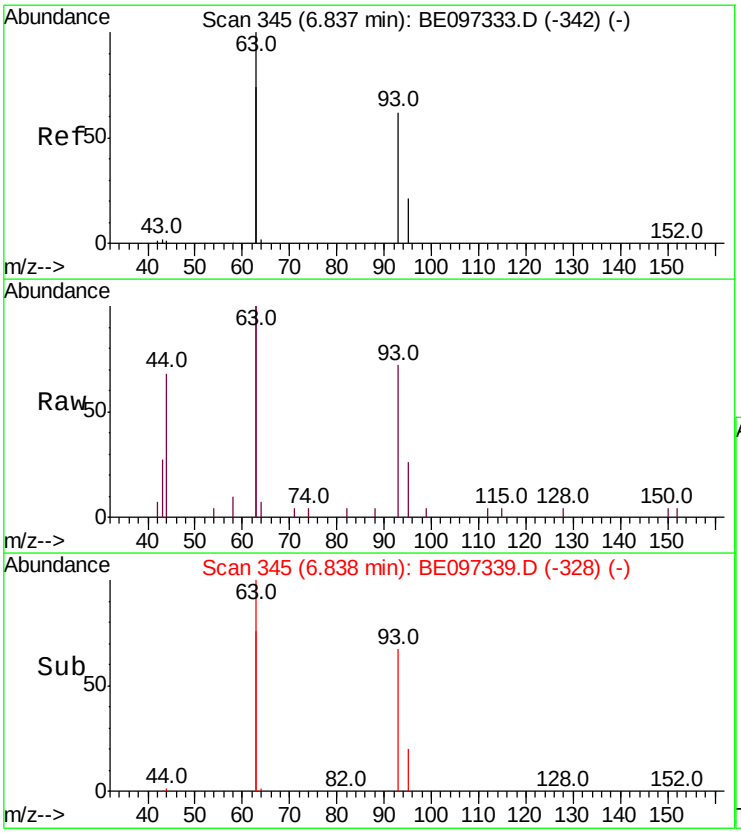
#5
Phenol-d6
Concen: 0.418 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1469

Ion	Ratio	Lower	Upper
99	100		
42	22.6	20.2	30.2
71	34.8	28.4	42.6

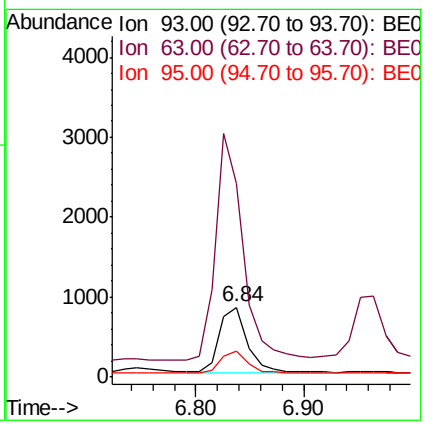


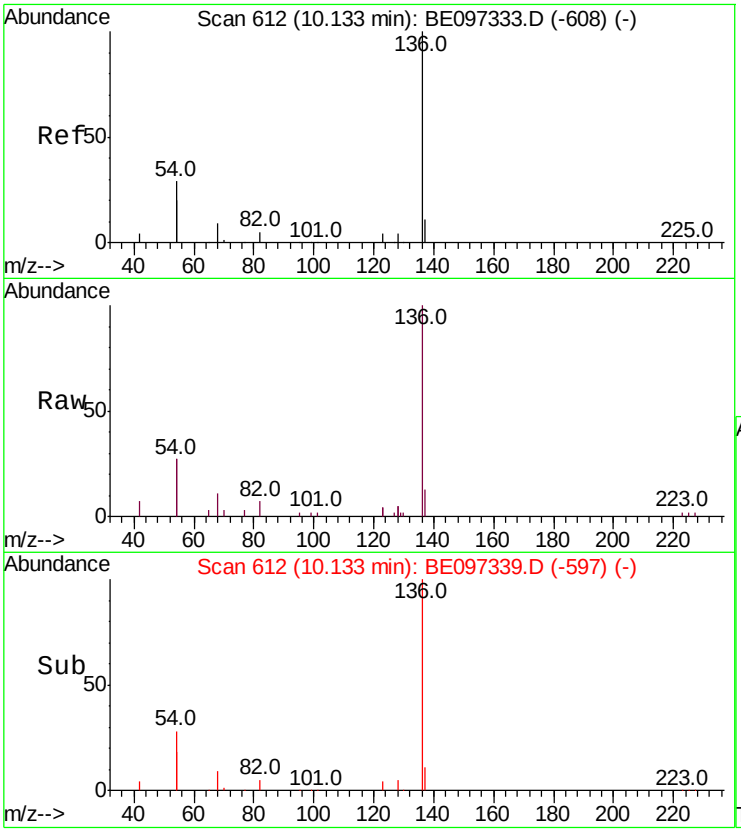


#6
bis(2-Chloroethyl)ether
Concen: 0.419 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion: 93 Resp: 1464

Ion	Ratio	Lower	Upper
93	100		
63	338.6	275.3	412.9
95	35.0	25.2	37.8



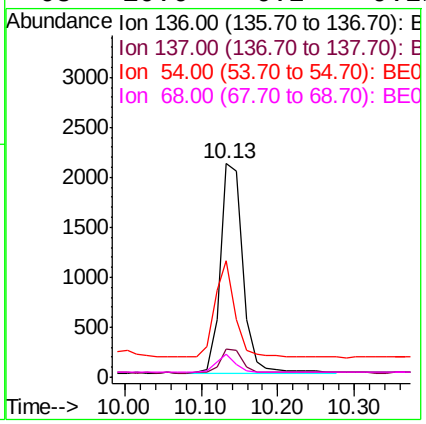


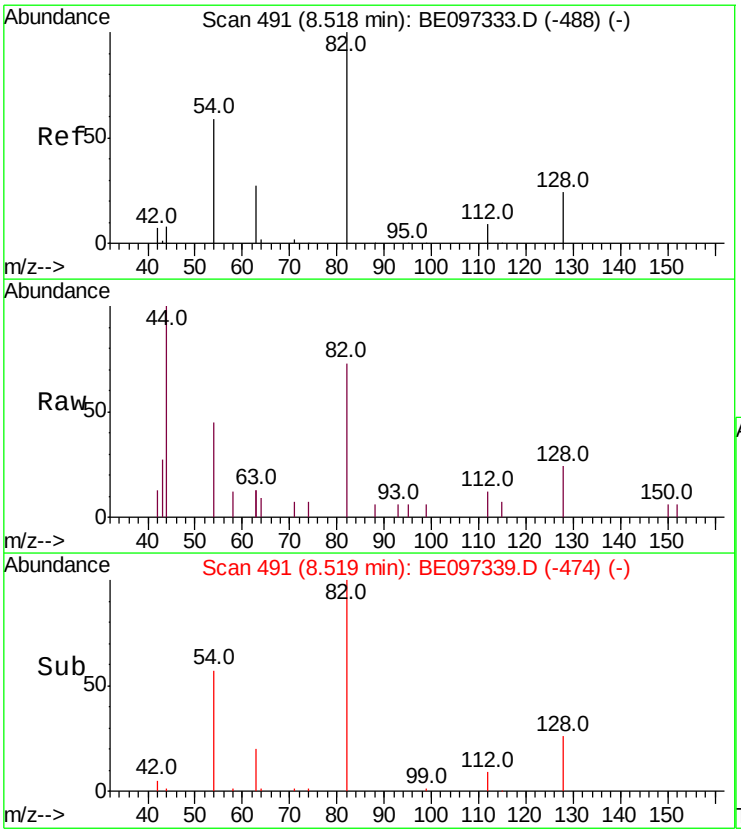
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 4261

Ion	Ratio	Lower	Upper
136	100		
137	12.9	9.5	14.3
54	54.8	29.1	43.7#
68	10.6	6.2	9.2#

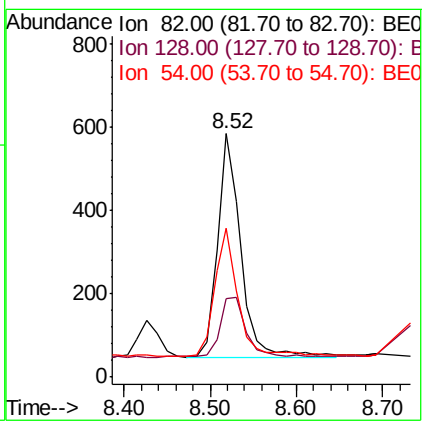


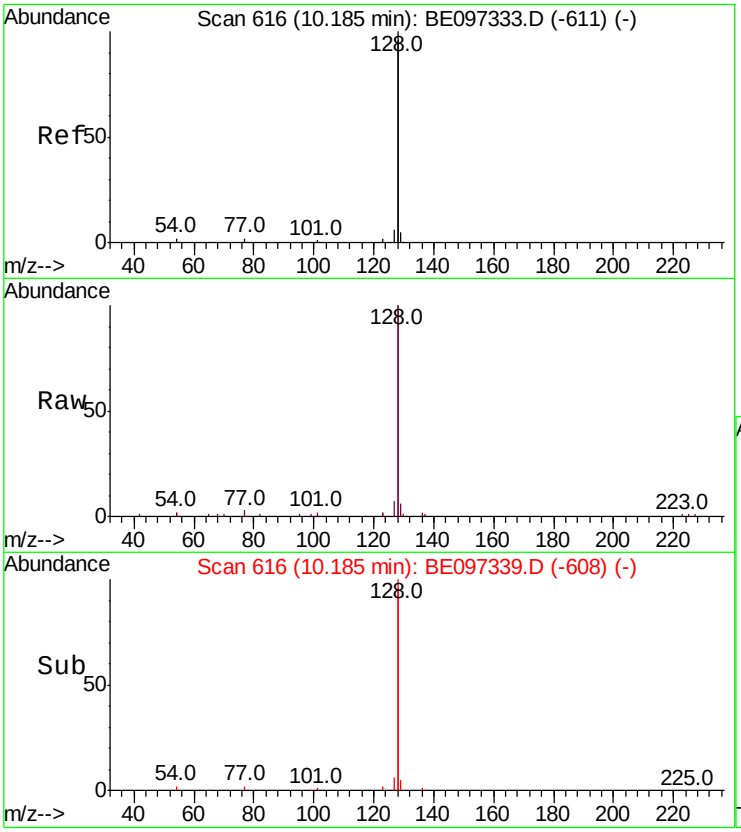


#8
Nitrobenzene-d5
Concen: 0.556 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion: 82 Resp: 1014

Ion	Ratio	Lower	Upper
82	100		
128	32.1	24.0	36.0
54	60.9	40.0	60.0#



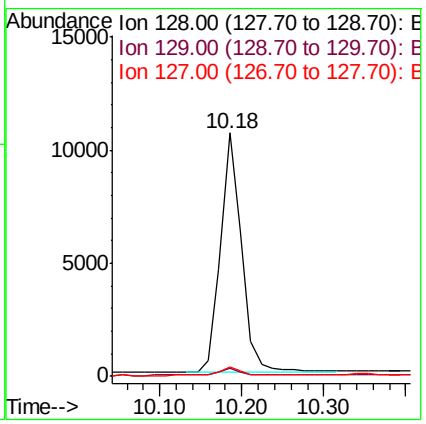


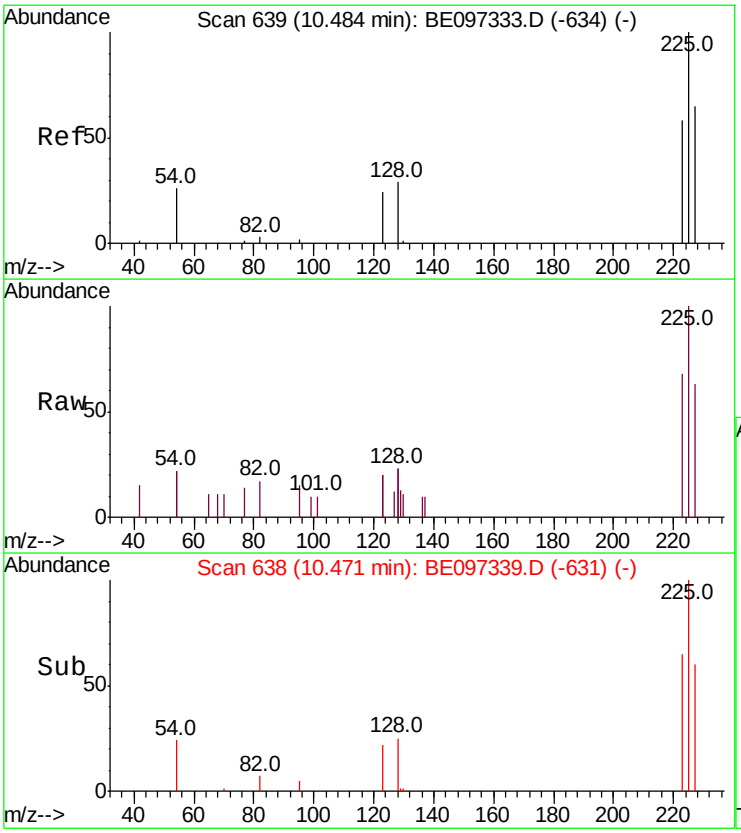
#9
Naphthalene
Concen: 0.482 ng
RT: 10.18 min Scan# 616
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 18826

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.6	2.8	4.2

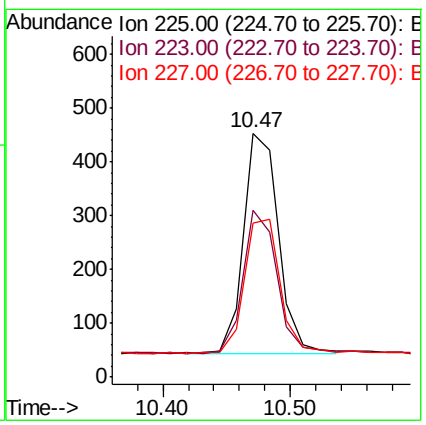


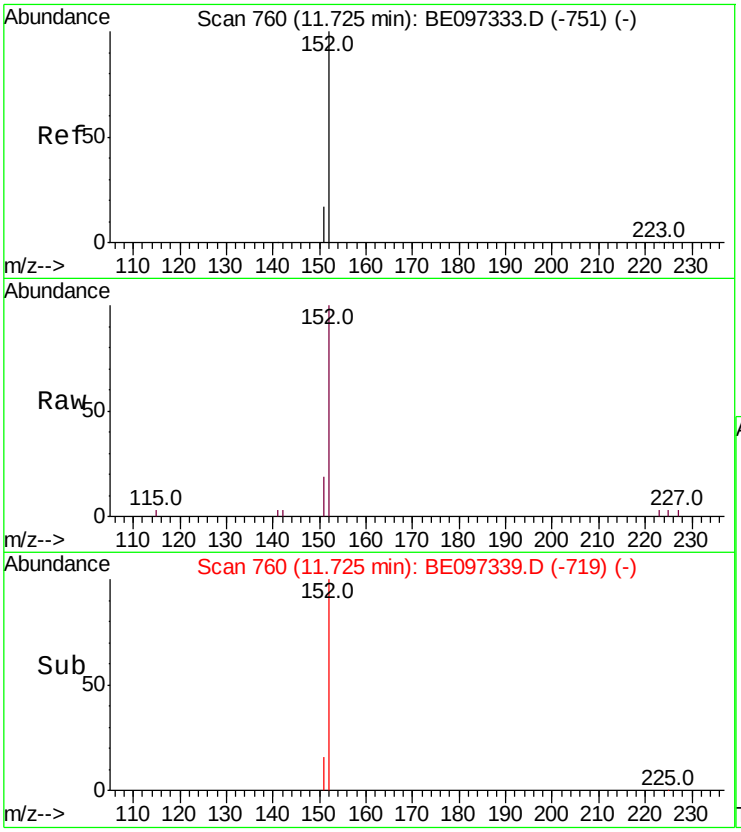


#10
Hexachlorobutadiene
Concen: 0.452 ng
RT: 10.47 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:225 Resp: 776

Ion	Ratio	Lower	Upper
225	100		
223	63.0	53.0	79.6
227	62.1	51.4	77.2



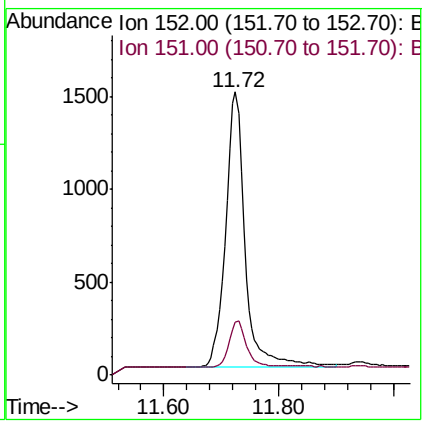


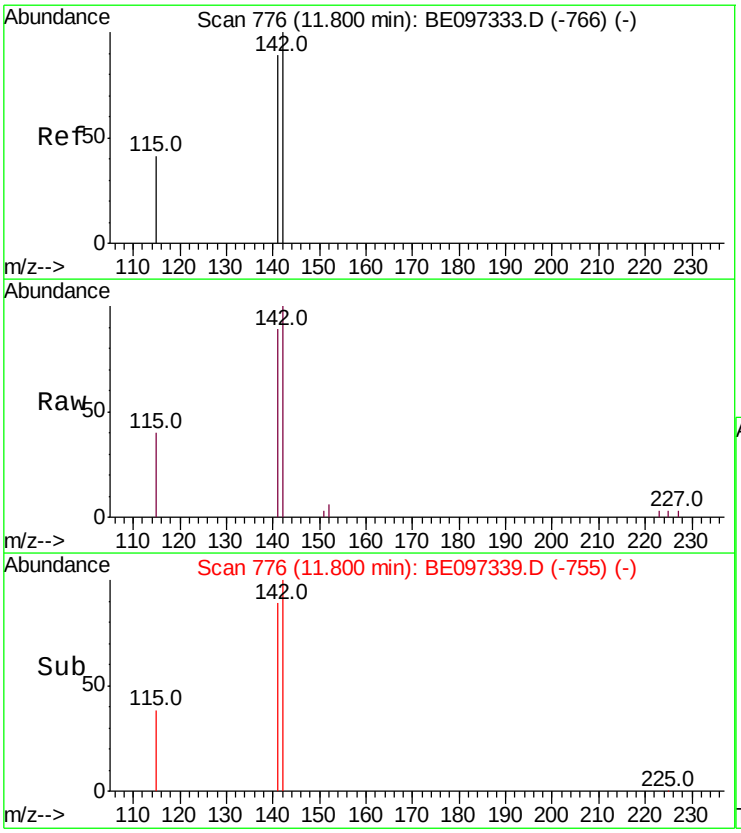
#11
2-Methylnaphthalene-d10
Concen: 0.598 ng
RT: 11.72 min Scan# 760
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 3446

Ion	Ratio	Lower	Upper
152	100		
151	14.8	15.4	23.0#

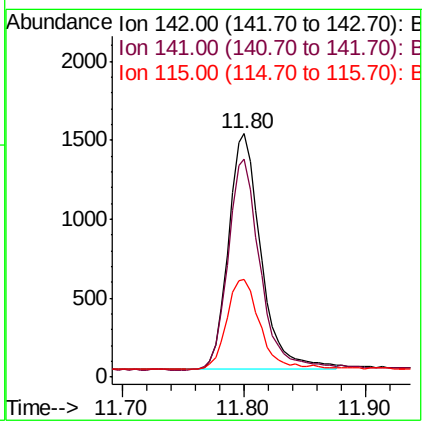


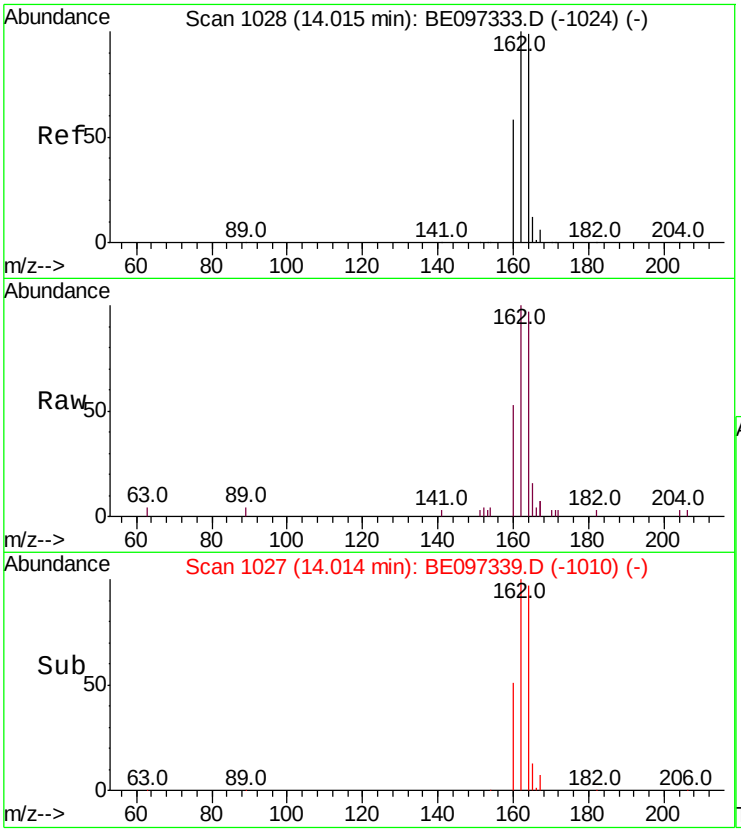


#12
2-Methylnaphthalene
Concen: 0.475 ng
RT: 11.80 min Scan# 776
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:142 Resp: 2791

Ion	Ratio	Lower	Upper
142	100		
141	89.4	70.4	105.6
115	40.3	31.7	47.5



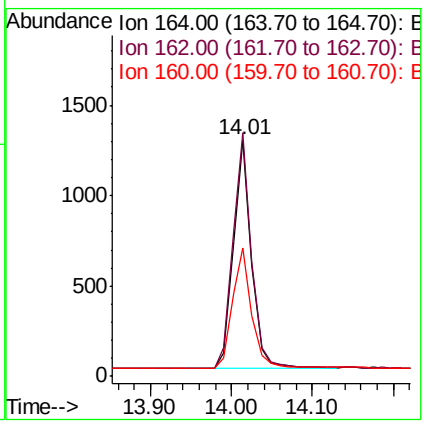


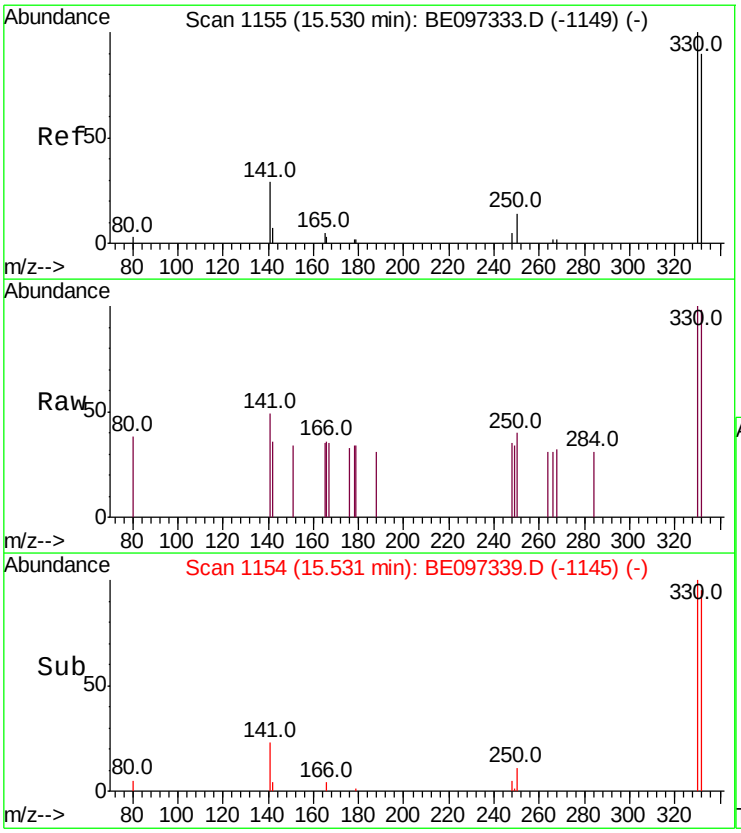
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 1962

Ion	Ratio	Lower	Upper
164	100		
162	102.9	83.1	124.7
160	54.3	37.1	55.7

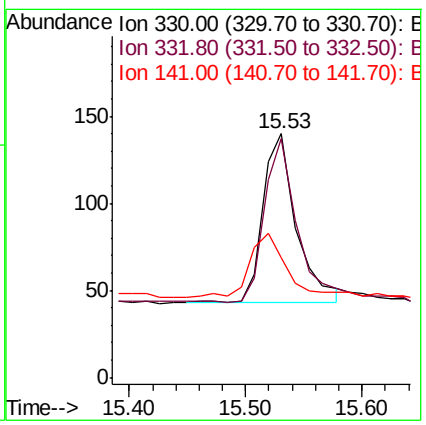


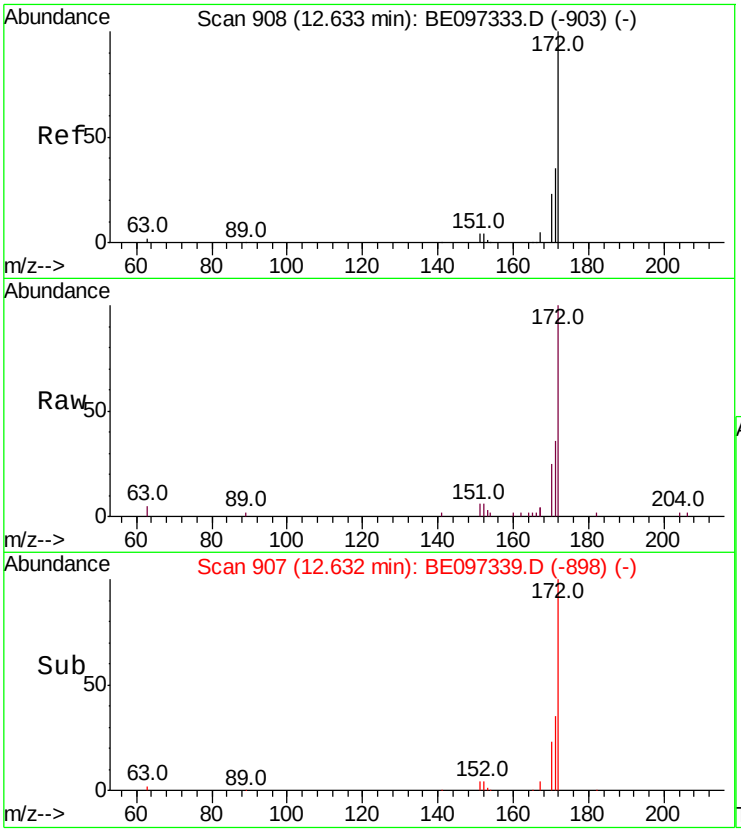


#14
2,4,6-Tribromophenol
Concen: 0.520 ng
RT: 15.53 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:330 Resp: 194

Ion	Ratio	Lower	Upper
330	100		
332	95.4	152.7	229.1#
141	41.2	33.7	50.5



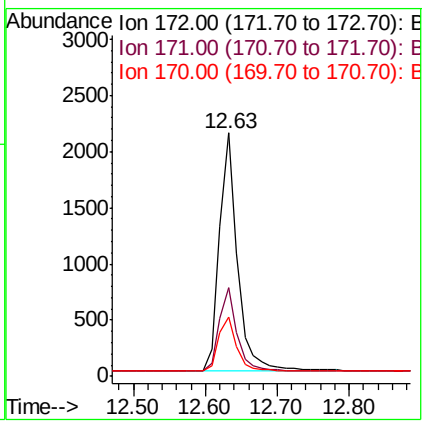


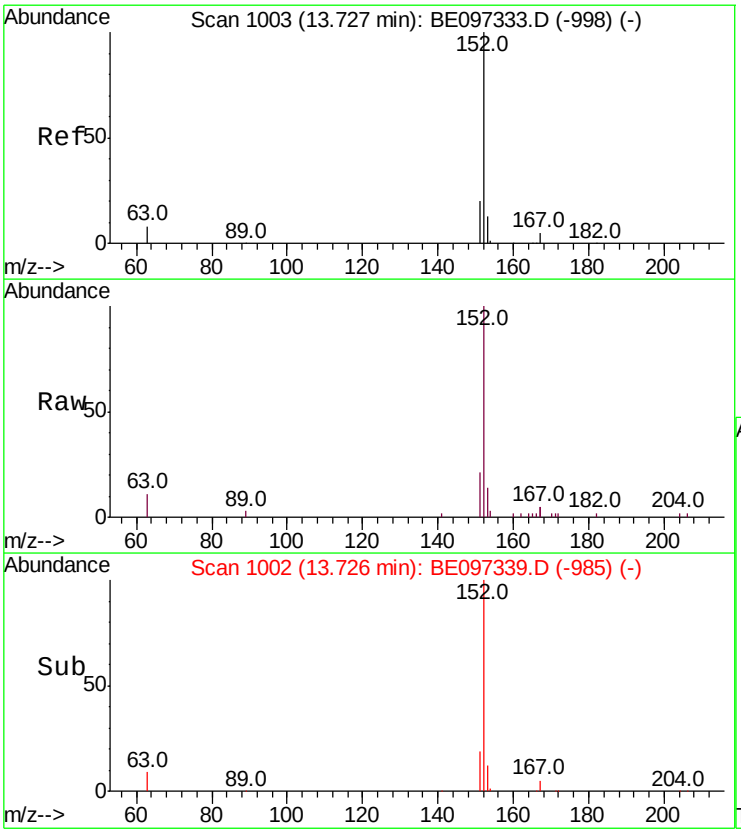
#15
2-Fluorobiphenyl
Concen: 0.466 ng
RT: 12.63 min Scan# 907
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 3747

Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.9	44.9
170	24.5	21.8	32.8

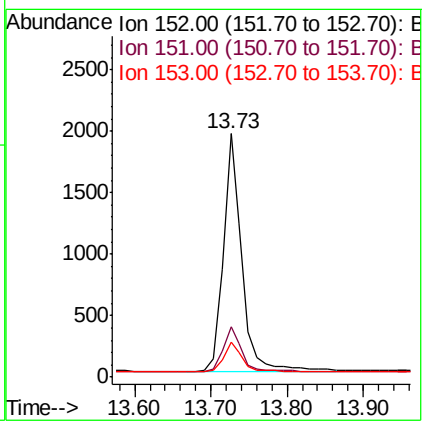


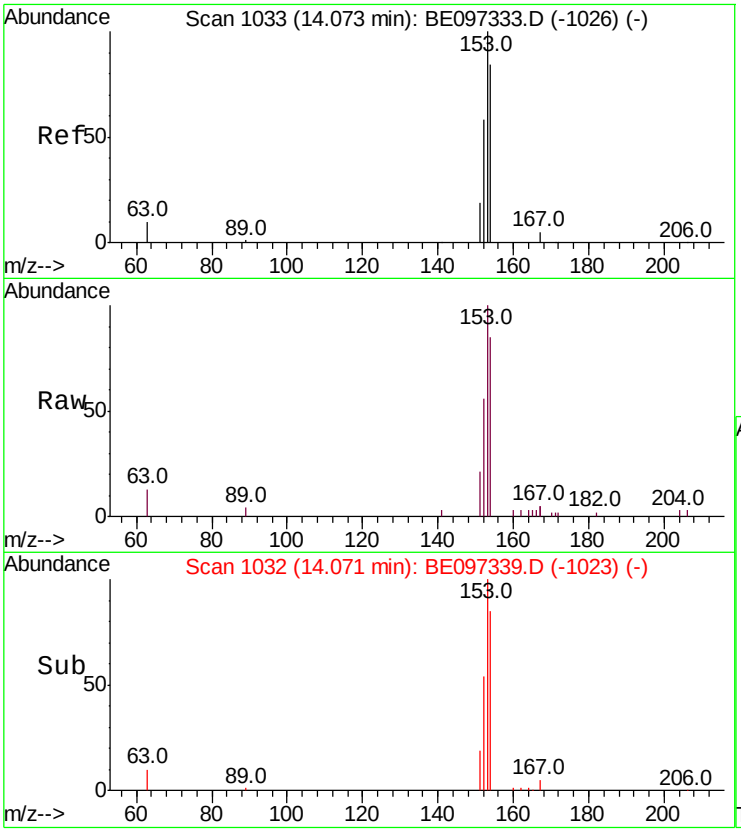


#16
Acenaphthylene
Concen: 0.442 ng
RT: 13.73 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:152 Resp: 3297

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.7	23.5
153	12.6	10.5	15.7



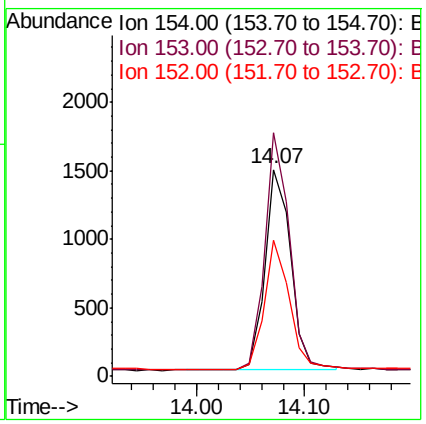


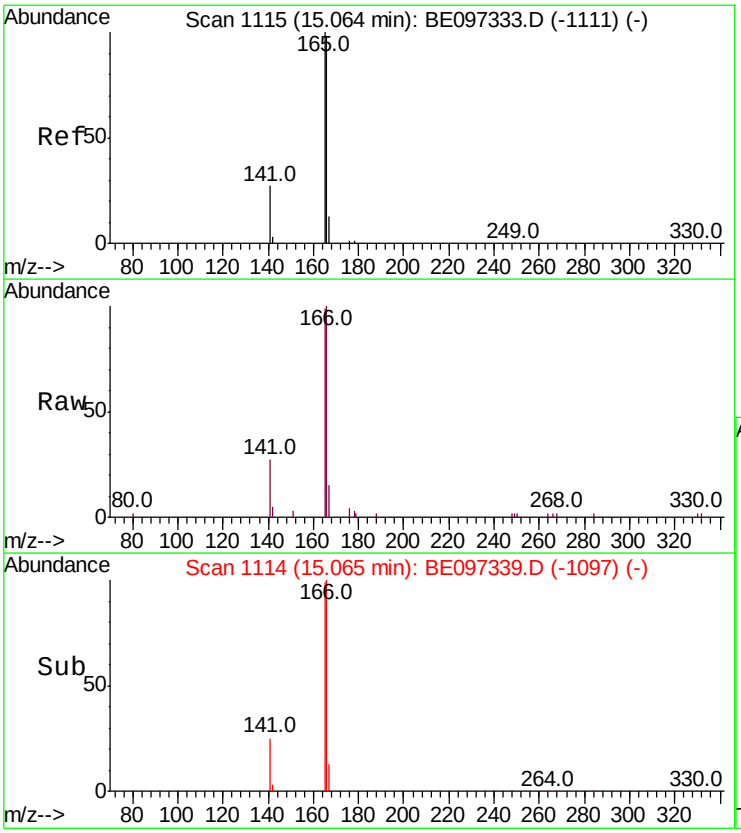
#17
Acenaphthene
Concen: 0.462 ng
RT: 14.07 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2440

Ion	Ratio	Lower	Upper
154	100		
153	113.5	89.2	133.8
152	62.0	42.0	63.0

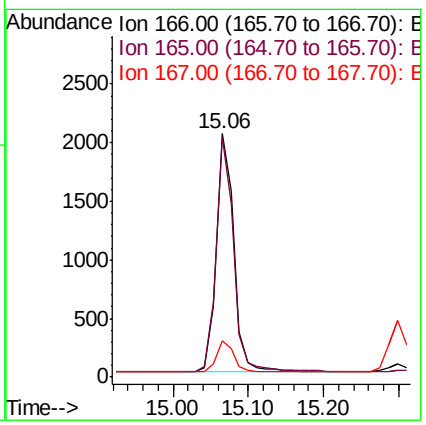


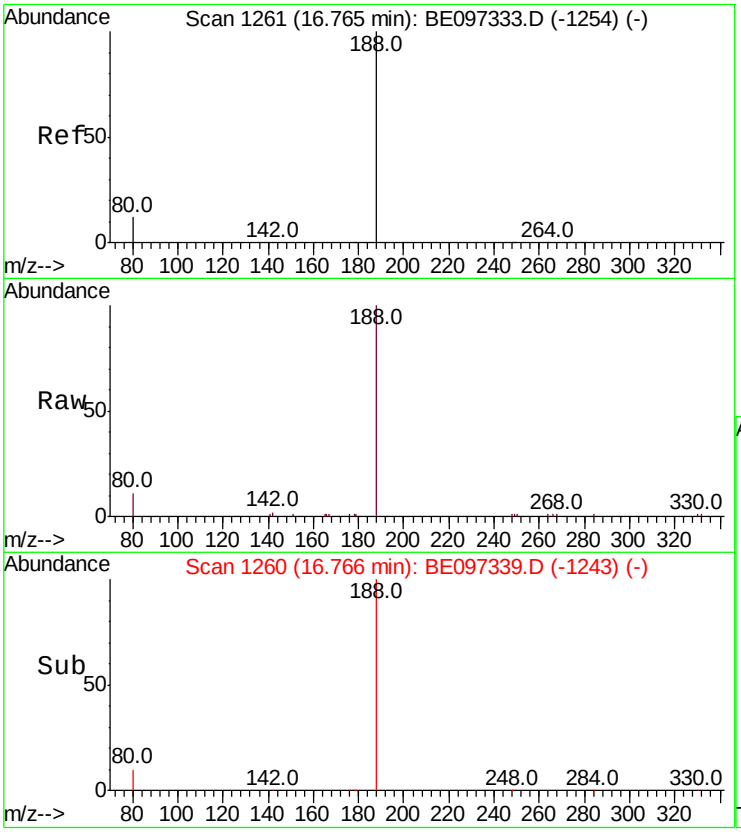


#18
Fluorene
Concen: 0.513 ng
RT: 15.06 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:166 Resp: 3308

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.6
167	13.2	42.4	63.6#



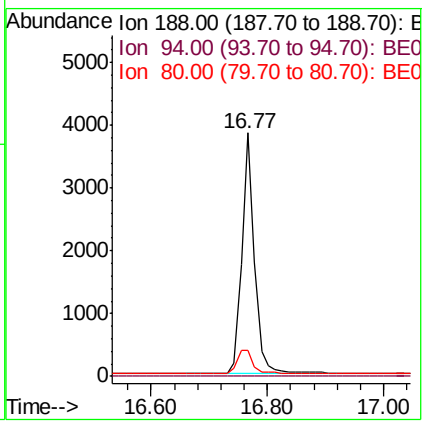


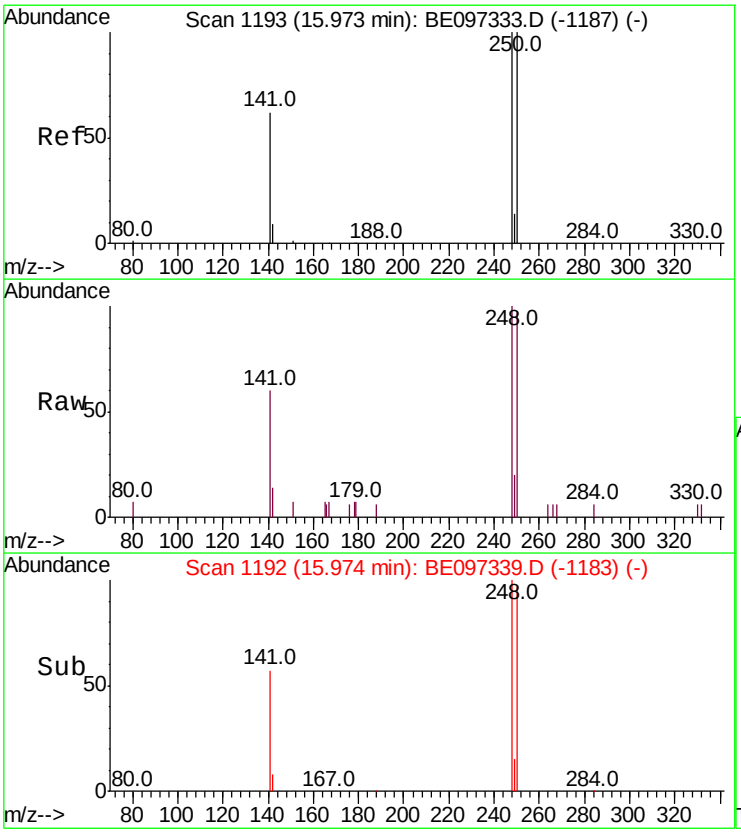
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 5783

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	10.8	3.6	5.4#

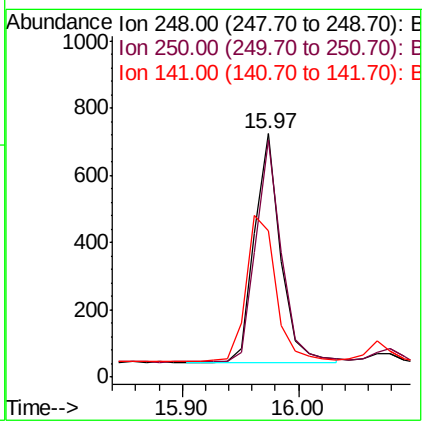


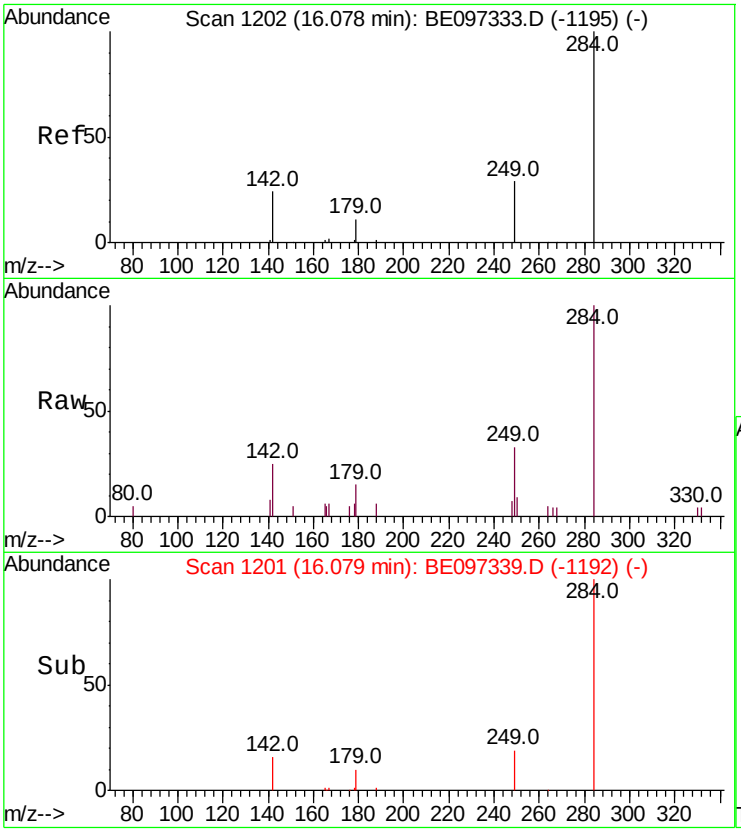


#20
4-Bromophenyl-phenylether
Concen: 0.411 ng
RT: 15.97 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:248 Resp: 1072

Ion	Ratio	Lower	Upper
248	100		
250	97.2	62.7	94.1#
141	60.1	48.2	72.2



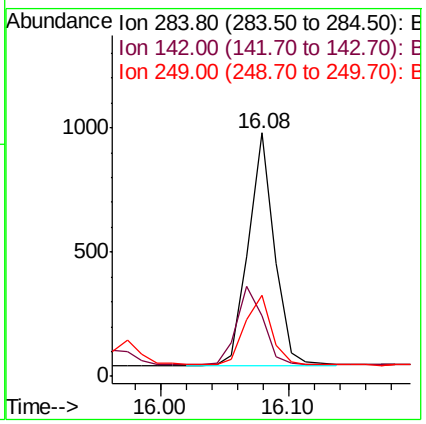


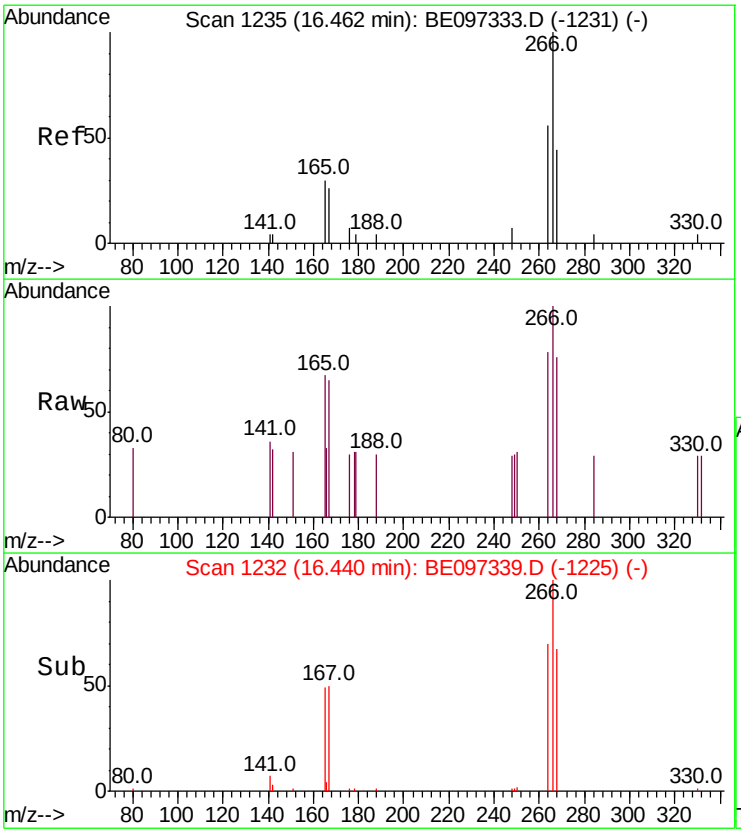
#21
Hexachlorobenzene
Concen: 0.381 ng
RT: 16.08 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1334

Ion	Ratio	Lower	Upper
284	100		
142	34.1	22.1	33.1#
249	30.1	34.8	52.2#

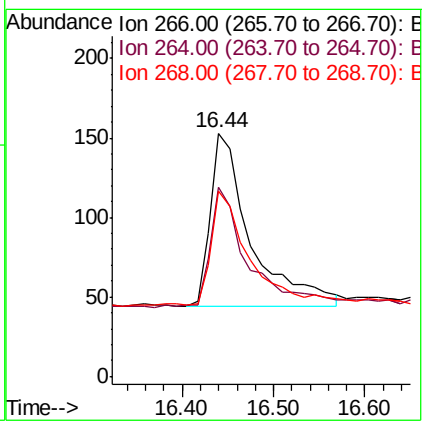


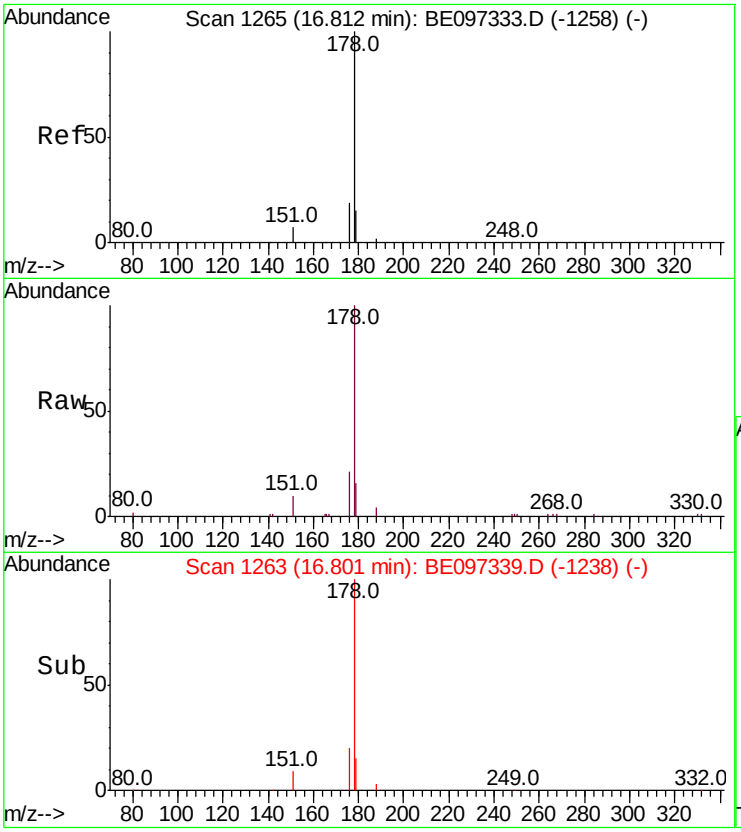


#22
Pentachlorophenol
Concen: 1.024 ng
RT: 16.44 min Scan# 1232
Delta R.T. -0.02 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:266 Resp: 334

Ion	Ratio	Lower	Upper
266	100		
264	77.8	72.5	108.7
268	76.5	73.8	110.6



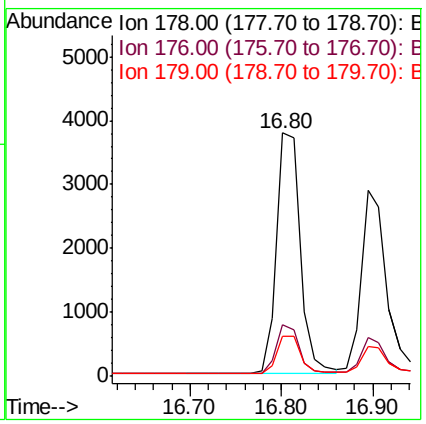


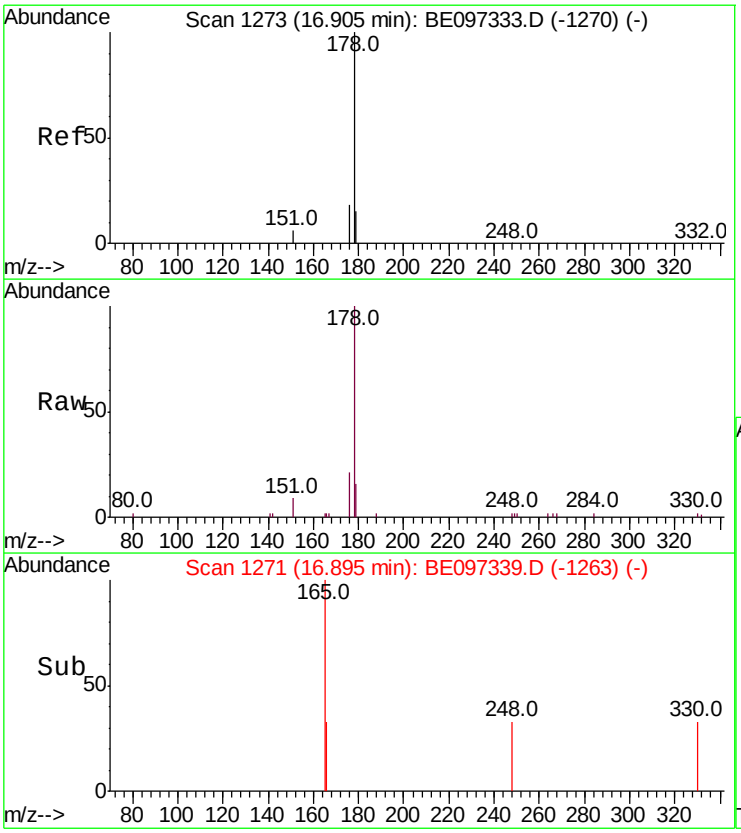
#23
Phenanthrene
Concen: 0.480 ng
RT: 16.80 min Scan# 1263
Delta R.T. -0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 6775

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	15.6	11.8	17.6

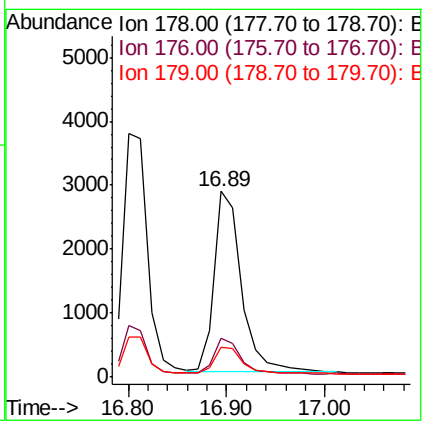


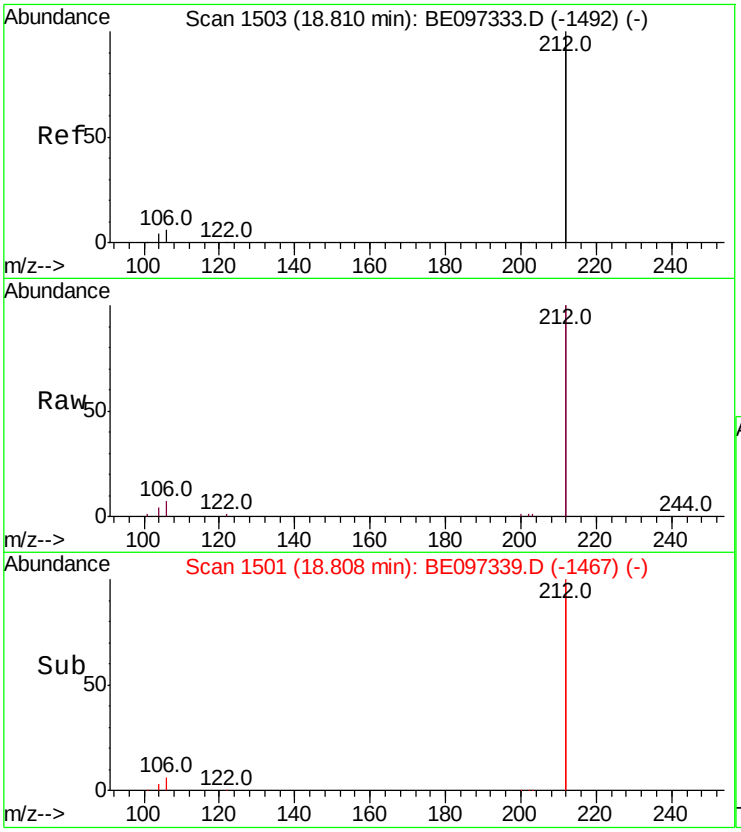


#24
Anthracene
Concen: 0.523 ng
RT: 16.89 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:178 Resp: 5457

Ion	Ratio	Lower	Upper
178	100		
176	18.4	12.8	19.2
179	15.2	13.0	19.6



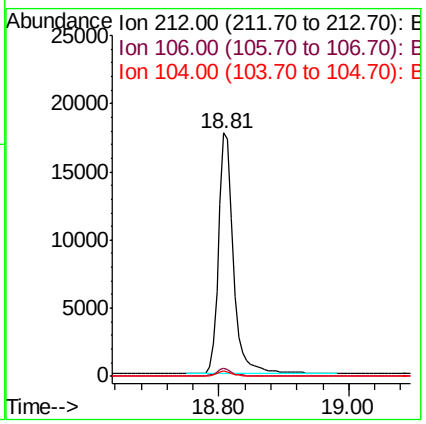


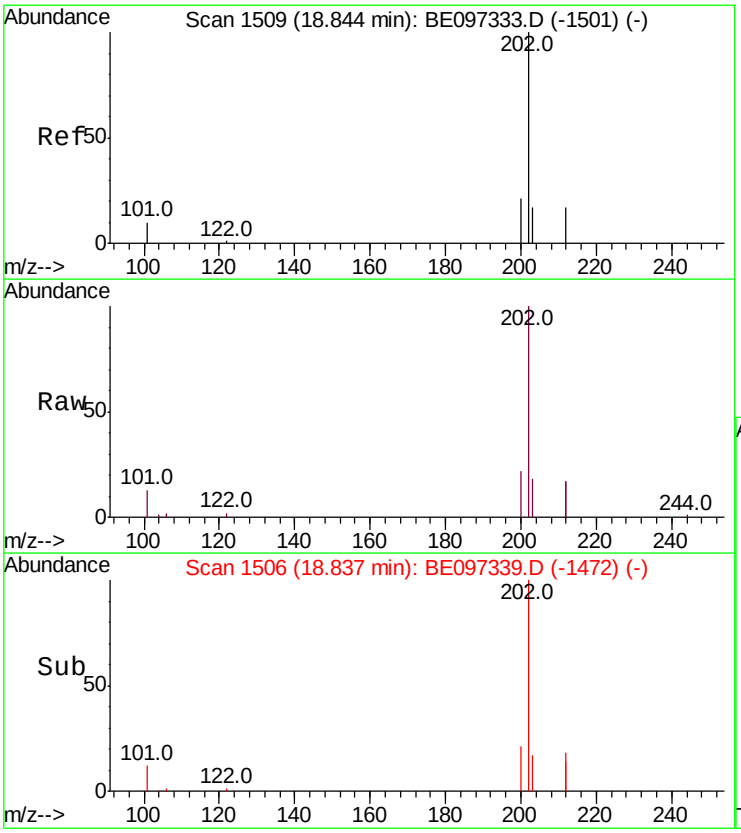
#25
Fluoranthene-d10
Concen: 0.556 ng
RT: 18.81 min Scan# 1501
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 28700

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.7	1.6	2.4

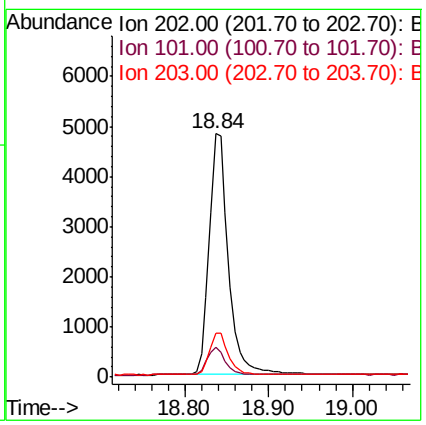


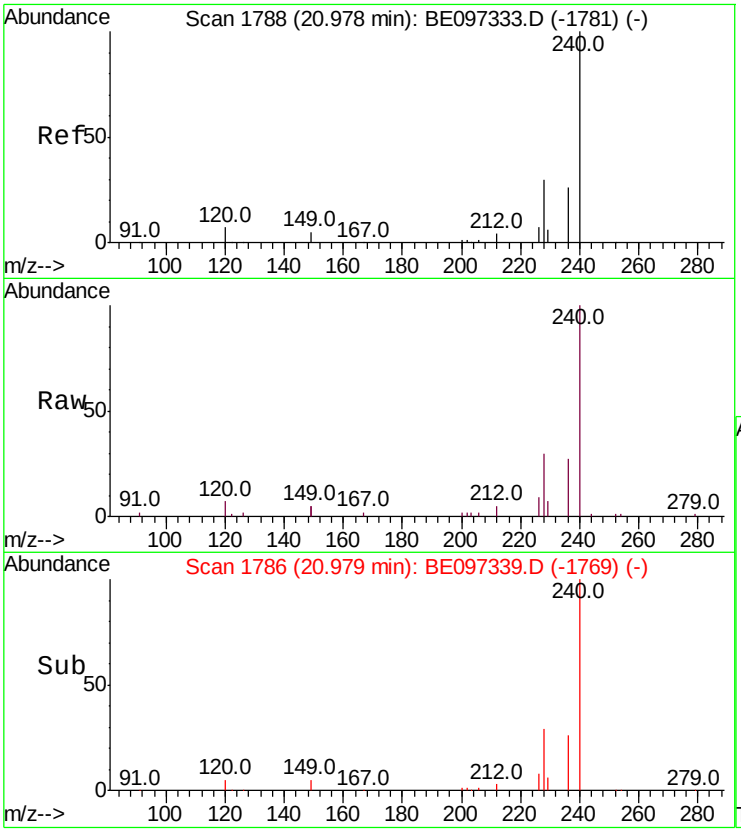


#26
Fluoranthene
Concen: 0.570 ng
RT: 18.84 min Scan# 1506
Delta R.T. -0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:202 Resp: 7740

Ion	Ratio	Lower	Upper
202	100		
101	10.7	9.8	14.8
203	17.2	13.7	20.5



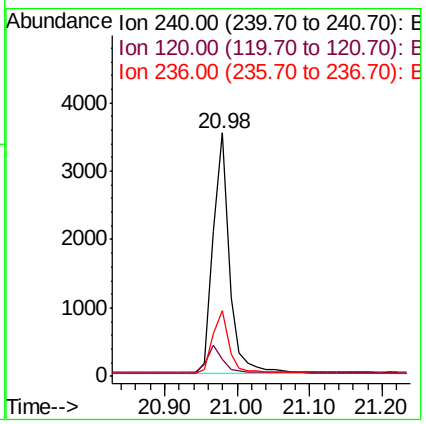


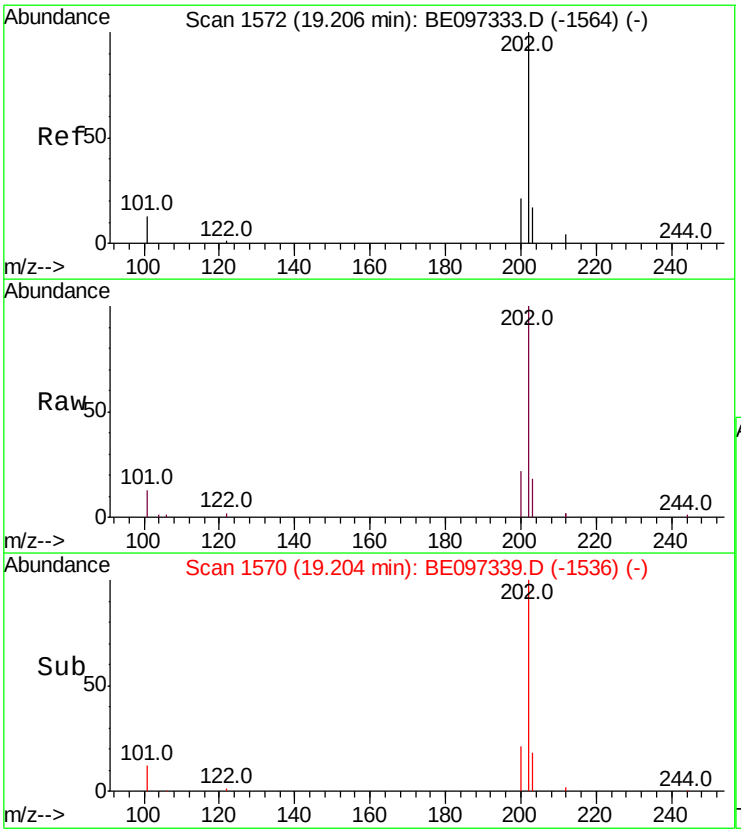
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 5526

Ion	Ratio	Lower	Upper
240	100		
120	7.0	5.5	8.3
236	27.0	20.7	31.1

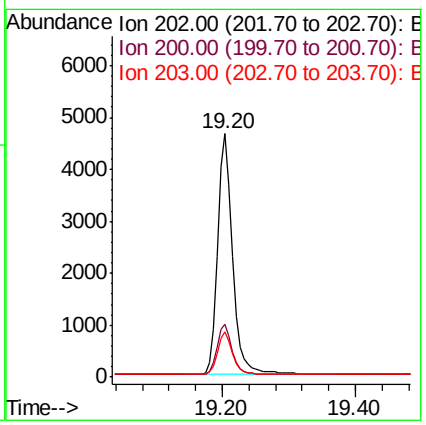


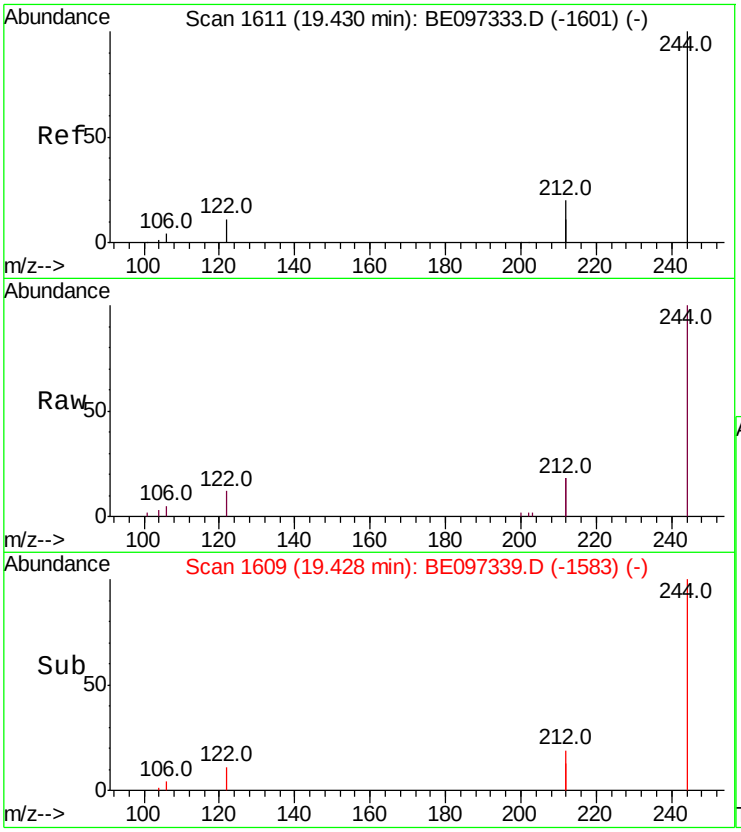


#28
Pyrene
Concen: 0.489 ng
RT: 19.20 min Scan# 1570
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:202 Resp: 7260

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.9	13.8	20.8



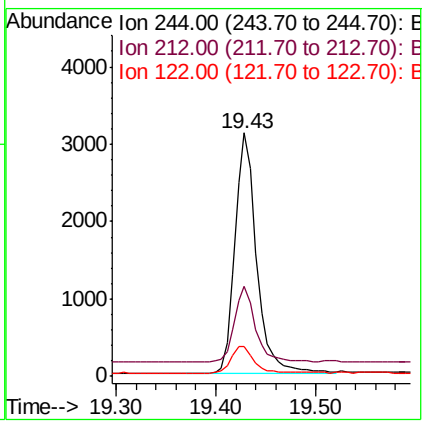


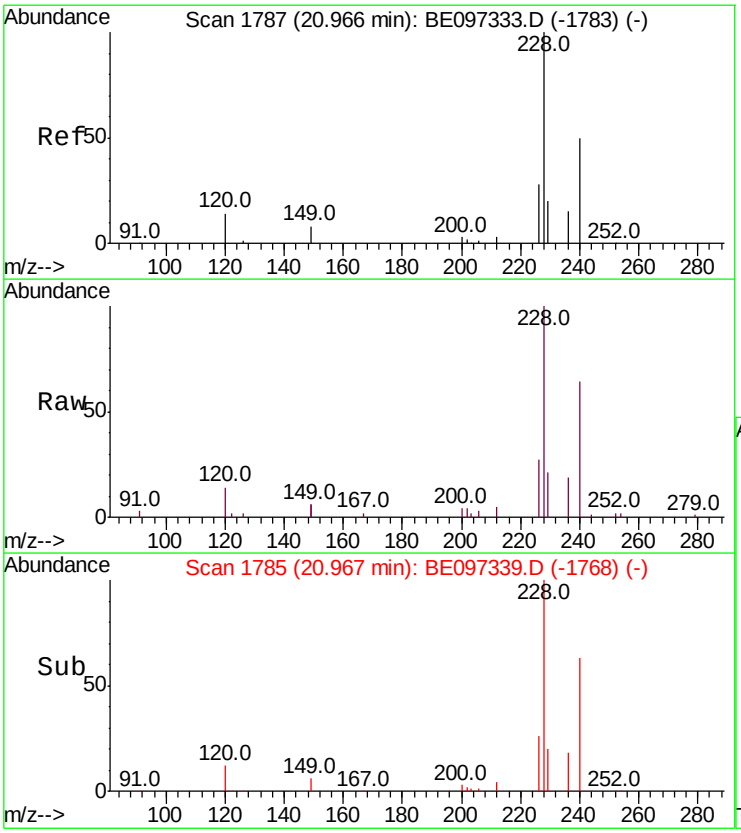
#29
Terphenyl-d14
Concen: 0.419 ng
RT: 19.43 min Scan# 1609
Delta R.T. -0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4630

Ion	Ratio	Lower	Upper
244	100		
212	36.8	25.4	38.0
122	12.4	8.1	12.1#

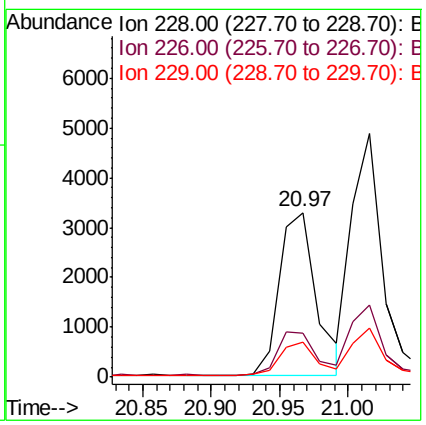


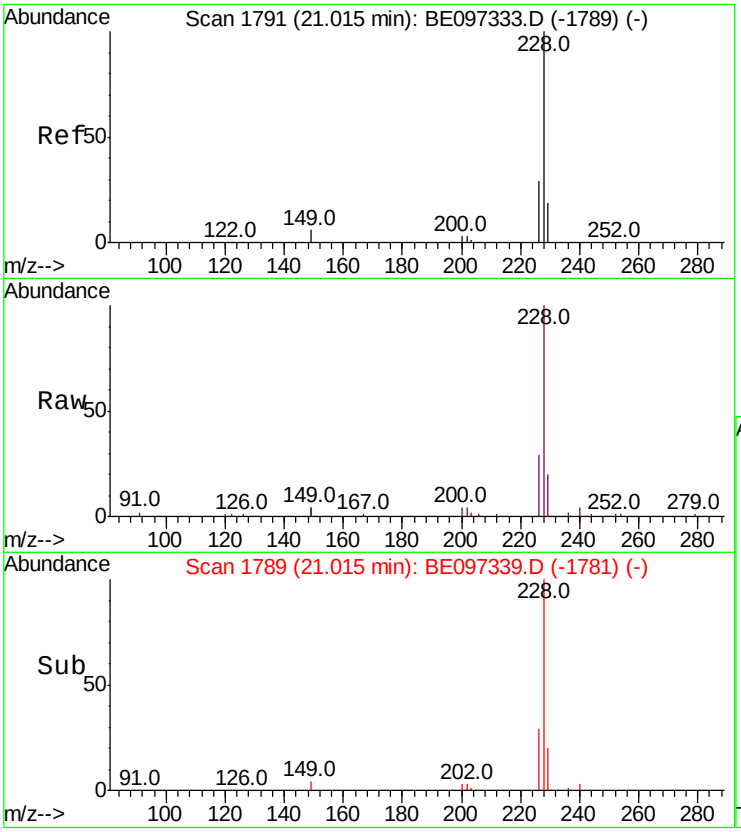


#30
Benzo(a)anthracene
Concen: 0.511 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:228 Resp: 6074

Ion	Ratio	Lower	Upper
228	100		
226	26.7	24.0	36.0
229	21.0	16.0	24.0



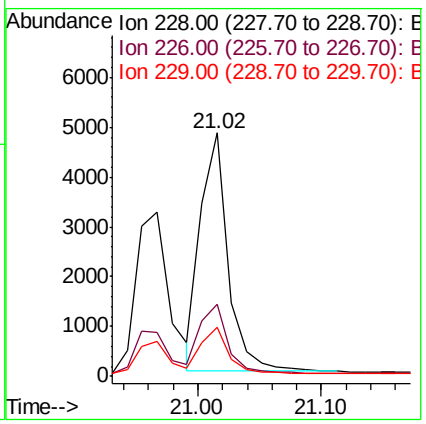


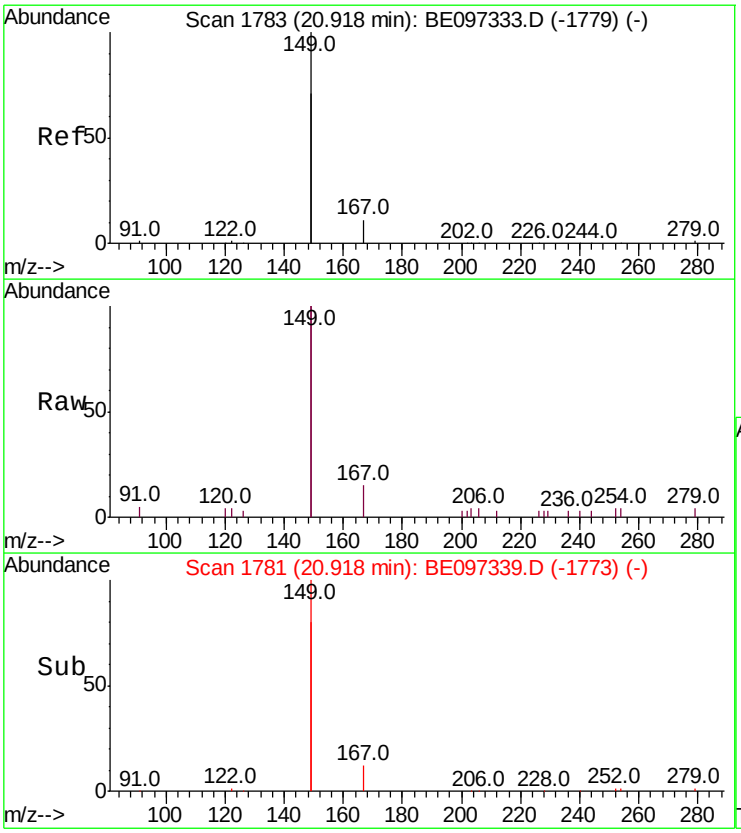
#31
Chrysene
Concen: 0.477 ng
RT: 21.02 min Scan# 1789
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 7421

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	20.4	16.0	24.0

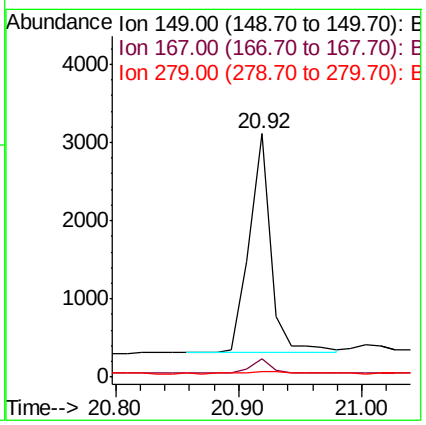


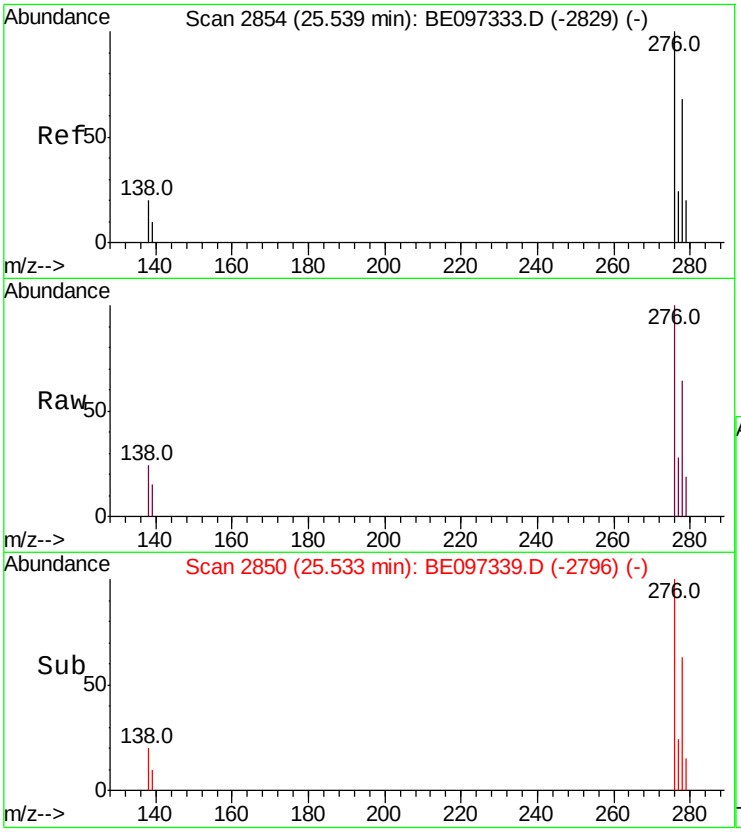


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.518 ng
RT: 20.92 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:149 Resp: 3436

Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.4	8.0
279	1.1	0.7	1.1



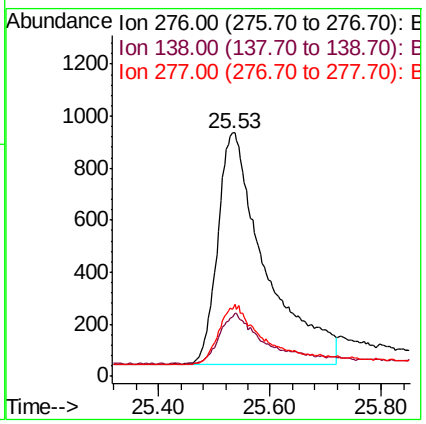


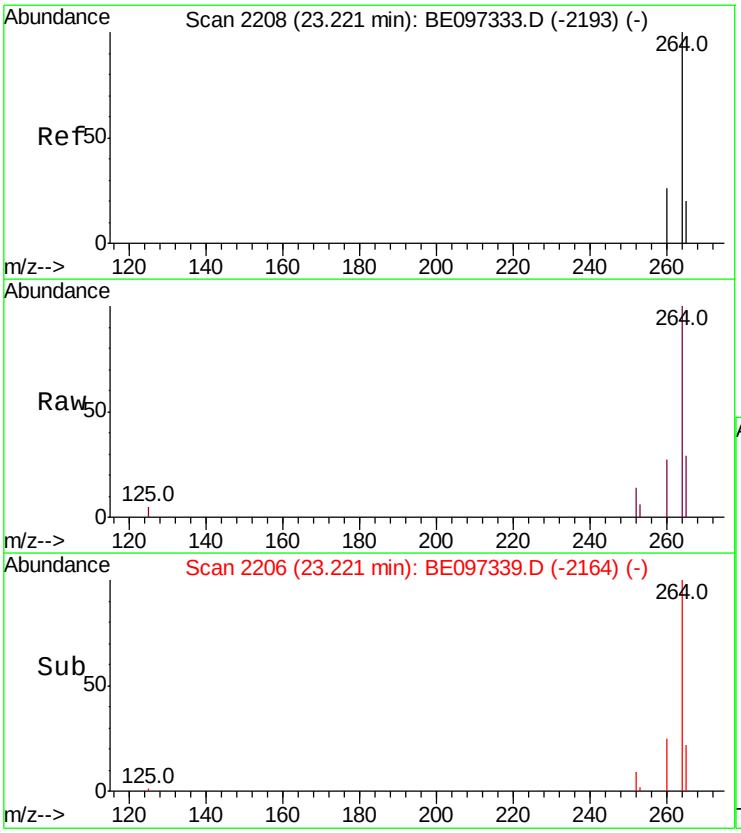
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.533 ng
RT: 25.53 min Scan# 2850
Delta R.T. -0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 5277

Ion	Ratio	Lower	Upper
276	100		
138	20.0	22.5	33.7#
277	21.3	19.9	29.9

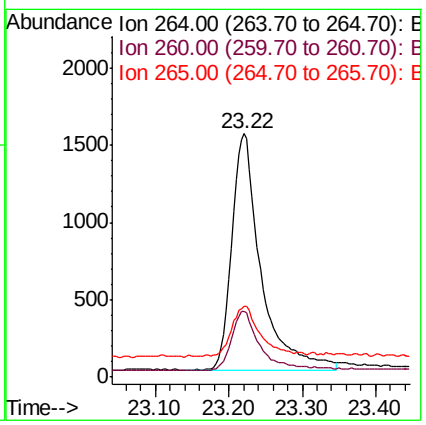


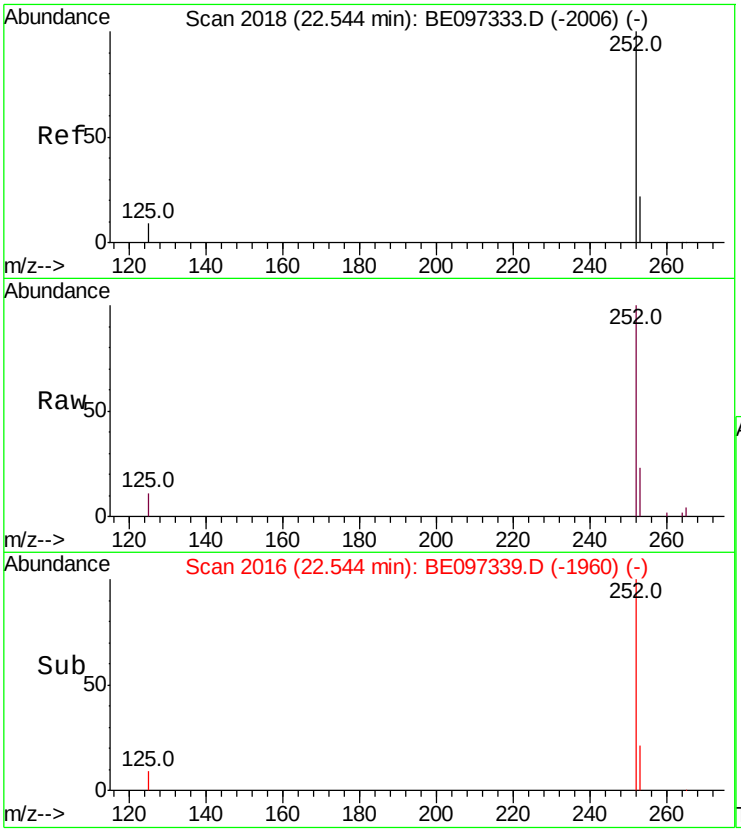


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.22 min Scan# 2206
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:264 Resp: 4216

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.5	30.7
265	29.3	22.8	34.2



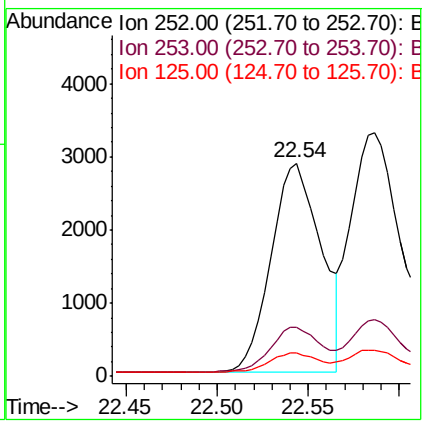


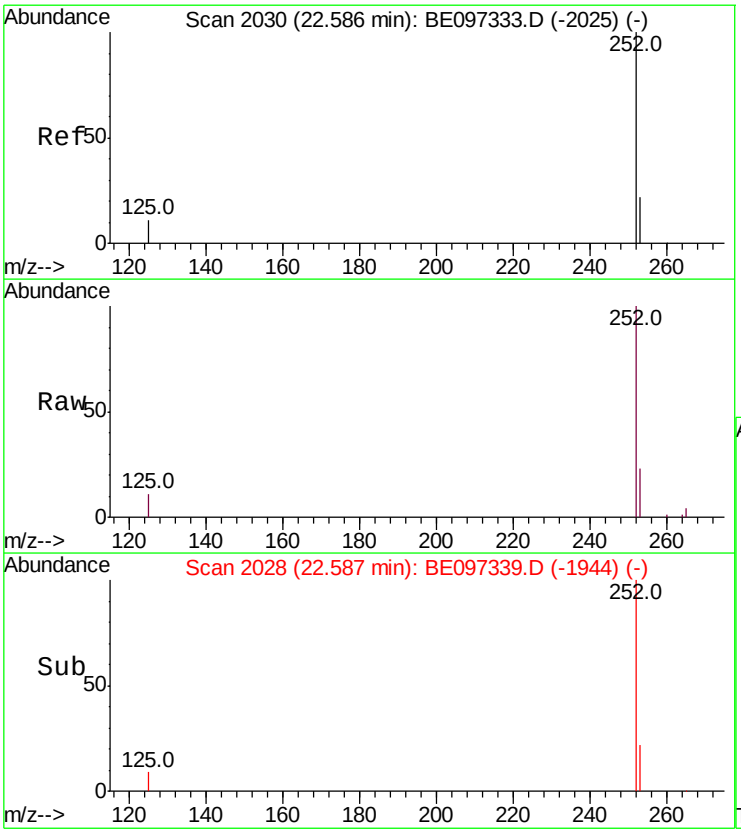
#35
Benzo(b)fluoranthene
Concen: 0.490 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 5447

Ion	Ratio	Lower	Upper
252	100		
253	23.0	20.0	30.0
125	10.7	16.0	24.0#

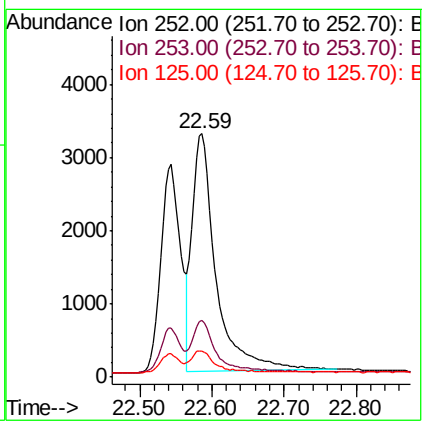


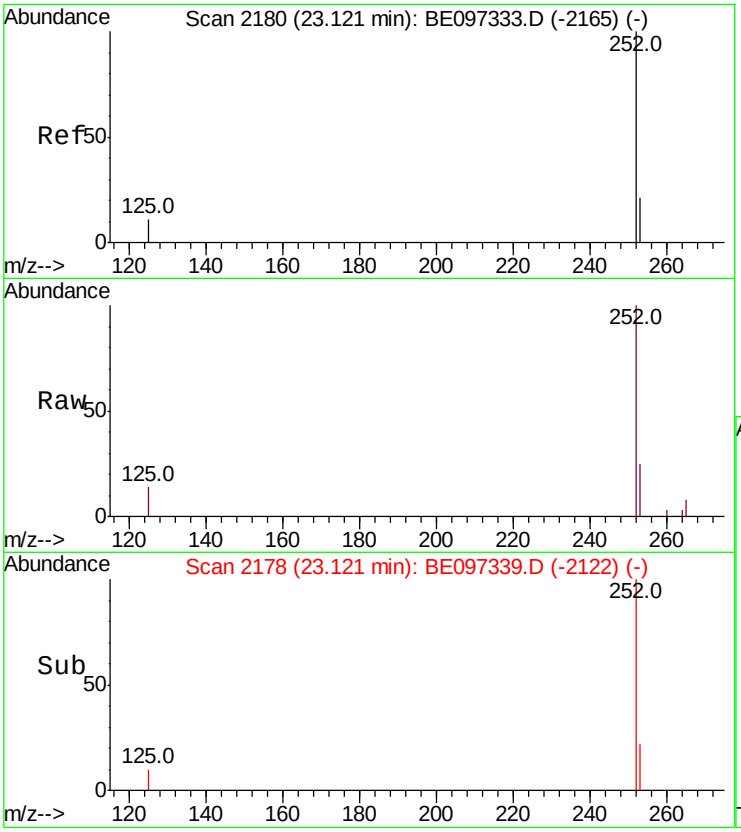


#36
Benzo(k)fluoranthene
Concen: 0.480 ng
RT: 22.59 min Scan# 2028
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:252 Resp: 7483

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	10.9	8.0	12.0



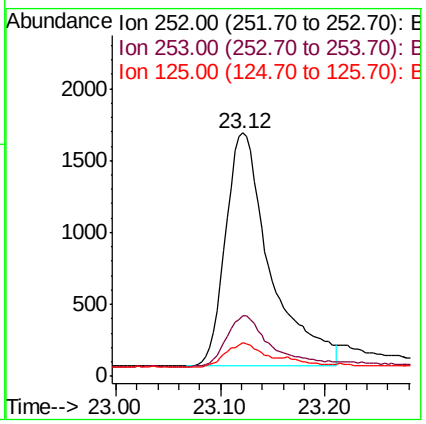


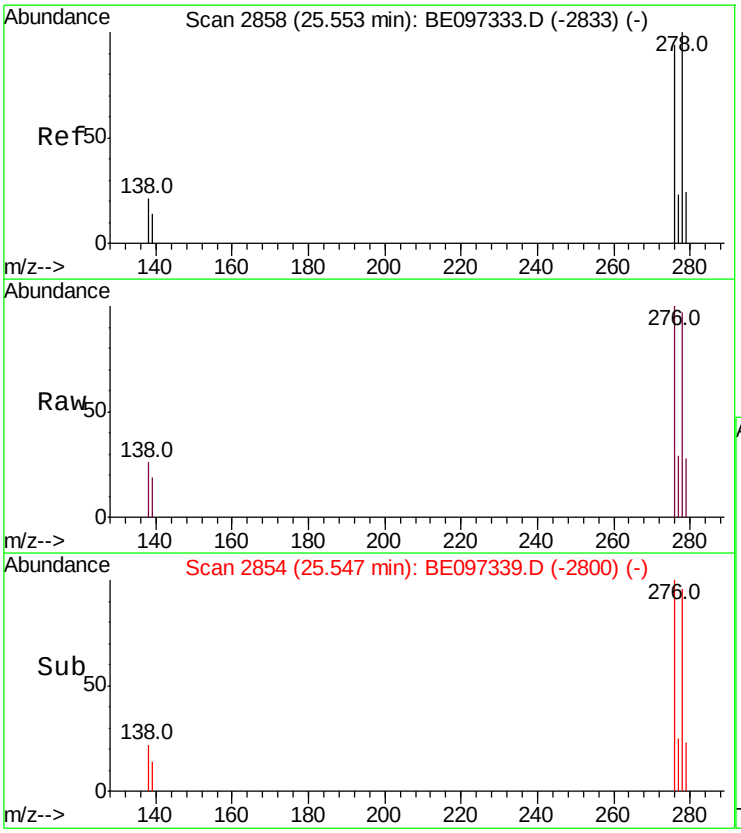
#37
Benzo(a)pyrene
Concen: 0.475 ng
RT: 23.12 min Scan# 2178
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 4804

Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.0	24.0#
125	13.7	12.0	18.0

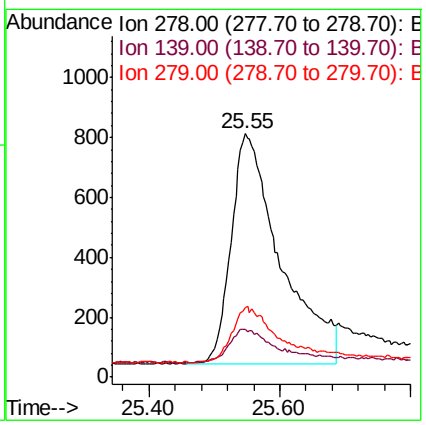


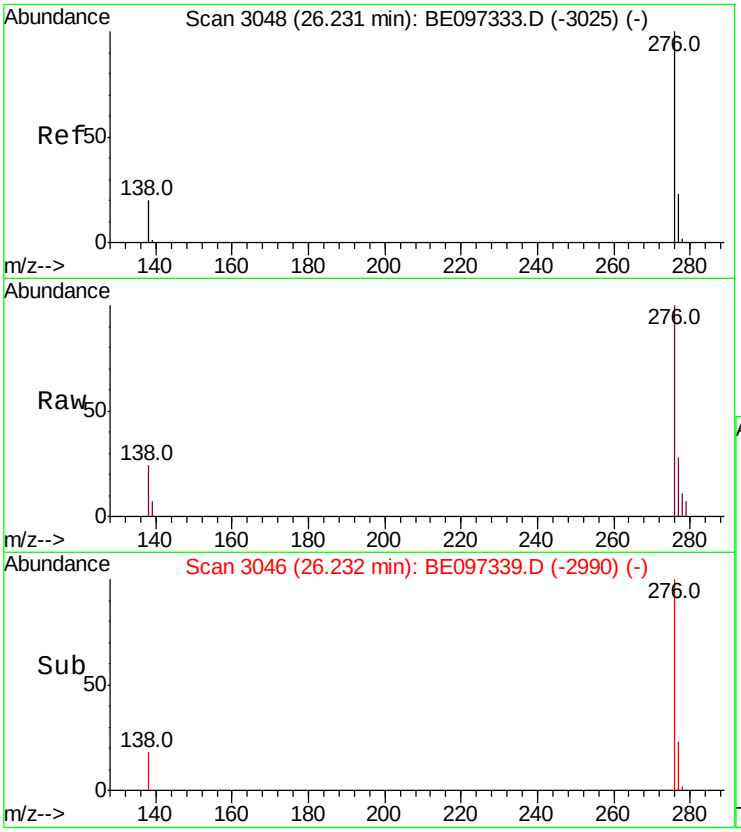


#38
Dibenzo(a,h)anthracene
Concen: 0.463 ng
RT: 25.55 min Scan# 2854
Delta R.T. -0.01 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Tgt Ion:278 Resp: 4010

Ion	Ratio	Lower	Upper
278	100		
139	19.6	16.0	24.0
279	28.4	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.503 ng
RT: 26.23 min Scan# 3046
Delta R.T. 0.00 min
Lab File: BE097339.D
Acq: 20 Aug 2018 19:29

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 4386

Ion	Ratio	Lower	Upper
276	100		
277	27.9	16.0	24.0#
138	23.6	20.0	30.0