Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
Data File : BE097619.D
Acq On : 21 Sep 2018 19:43
Operator : SJ/JU
Sample : PB112884BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB112884BSD

Quant Time: Sep 22 04:09:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1135	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	4751	0.40	ng		0.00
13) Acenaphthene-d10	14.00	164	2287	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	5319	0.40	ng		0.01
27) Chrysene-d12	20.97	240	7016	0.40	ng		0.00
34) Perylene-d12	23.21	264	7596	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1166	0.34	ng		0.01
5) Phenol-d6	6.62	99	1337	0.31	ng		0.01
8) Nitrobenzene-d5	8.53	82	1361	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	3294	0.50	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	191	0.27	ng		0.01
15) 2-Fluorobiphenyl	12.62	172	3738	0.46	ng		0.00
25) Fluoranthene-d10	18.80	212	24273	0.36	ng		0.00
29) Terphenyl-d14	19.42	244	4230	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	635	0.319	ng	#	71
3) n-Nitrosodimethylamine	3.38	42	624	0.379	ng	#	95
6) bis(2-Chloroethyl)ether	6.84	93	1272	0.315	ng		83
9) Naphthalene	10.17	128	17544	0.410	ng		100
10) Hexachlorobutadiene	10.46	225	750	0.380	ng		95
12) 2-Methylnaphthalene	11.80	142	2608	0.391	ng		99
16) Acenaphthylene	13.73	152	3390	0.375	ng		99
17) Acenaphthene	14.06	154	2312	0.381	ng		96
18) Fluorene	15.06	166	2967	0.375	ng	#	80
20) 4-Bromophenyl-phenylether	15.96	248	896	0.374	ng	#	81
21) Hexachlorobenzene	16.07	284	1080	0.410	ng	#	85
22) Pentachlorophenol	16.45	266	281	0.367	ng	#	81
23) Phenanthrene	16.80	178	4936	0.391	ng		99
24) Anthracene	16.91	178	4161	0.373	ng		96
26) Fluoranthene	18.84	202	5912	0.337	ng		98
28) Pyrene	19.20	202	5966	0.374	ng		100
30) Benzo(a)anthracene	20.95	228	6649	0.376	ng		96
31) Chrysene	21.00	228	7924	0.418	ng		99
32) Bis(2-ethylhexyl)phthalate	20.91	149	6842	0.241	ng	#	100
33) Indeno(1,2,3-cd)pyrene	25.51	276	10687	0.468	ng	#	94
35) Benzo(b)fluoranthene	22.53	252	7861	0.404	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	9442	0.425	ng		94
37) Benzo(a)pyrene	23.11	252	8073	0.427	ng	#	92
38) Dibenzo(a,h)anthracene	25.53	278	8782	0.430	ng	#	95
39) Benzo(g,h,i)perylene	26.21	276	8638	0.435	ng	#	90

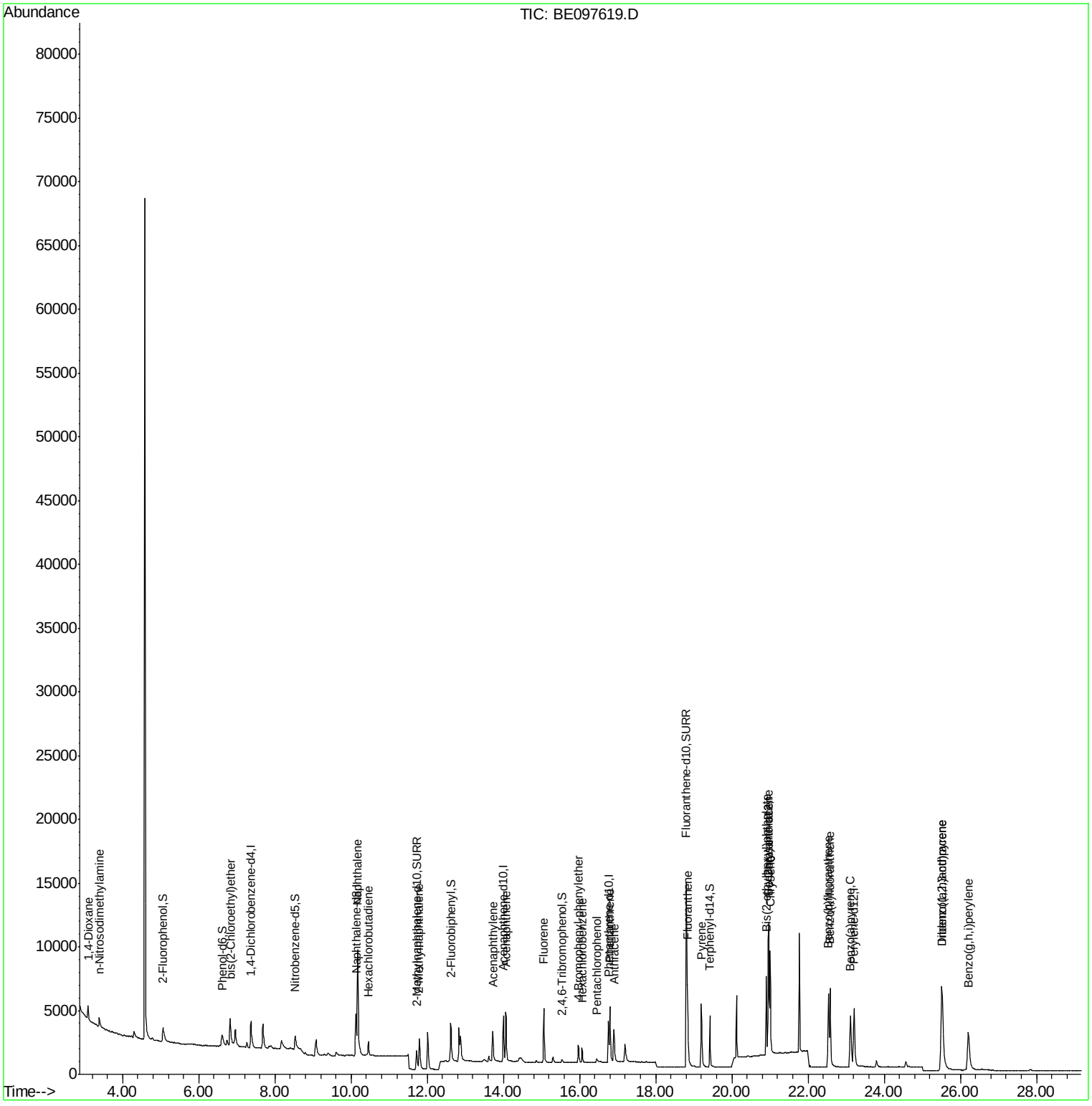
(#) = qualifier out of range (m) = manual integration (+) = signals summed

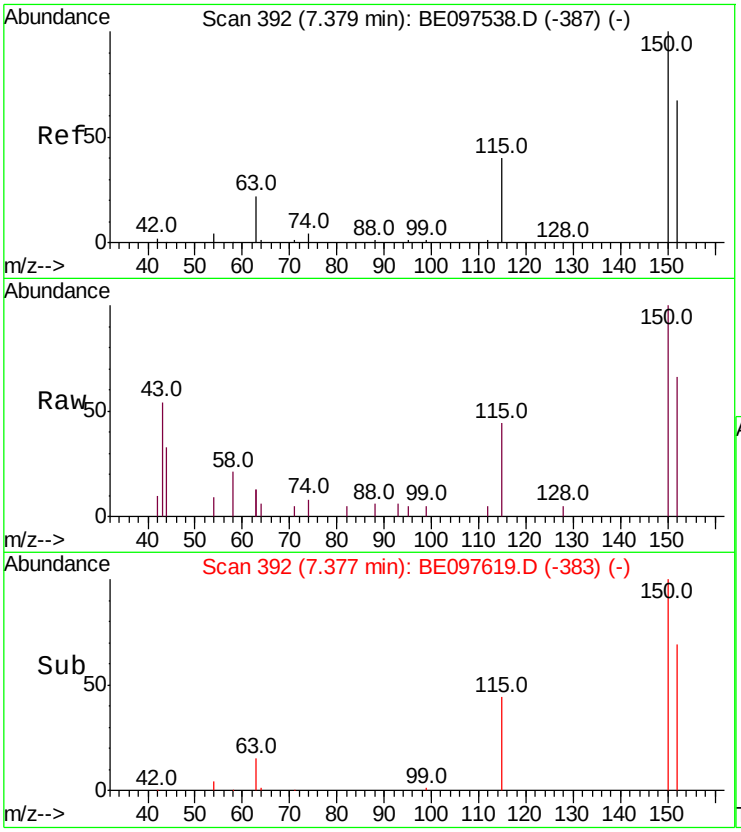
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
Data File : BE097619.D
Acq On : 21 Sep 2018 19:43
Operator : SJ/JU
Sample : PB112884BSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Quant Time: Sep 22 04:09:04 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration



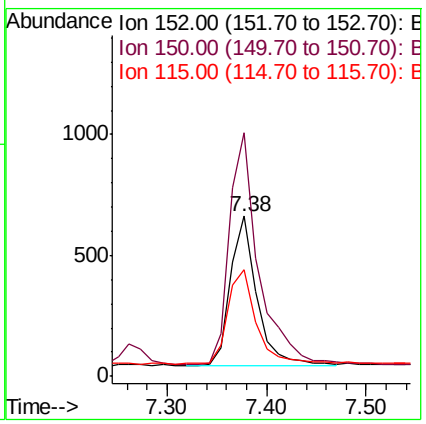


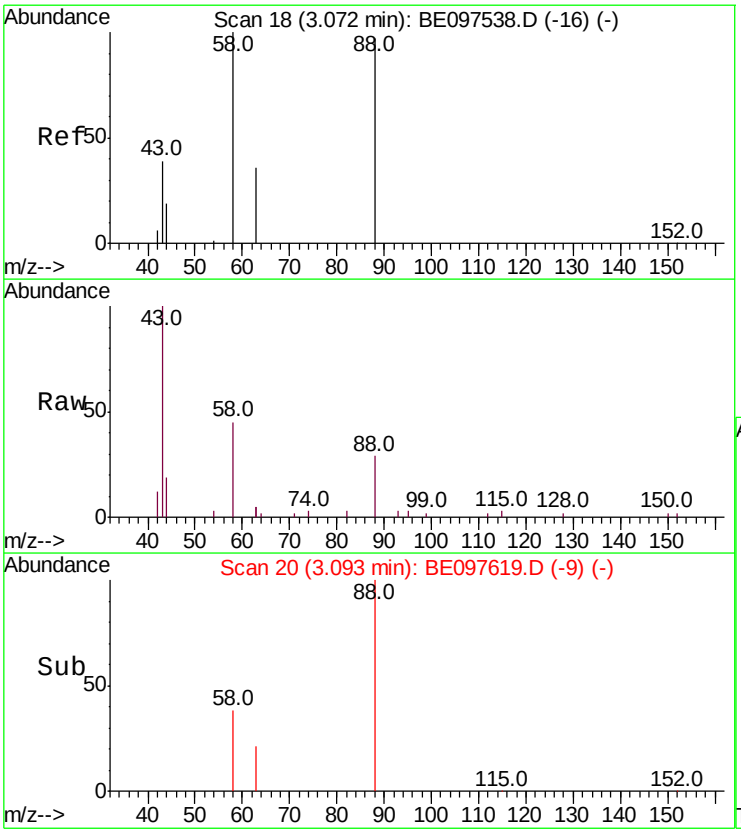
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:152 Resp: 1135

Ion	Ratio	Lower	Upper
152	100		
150	152.1	117.2	175.8
115	66.9	57.0	85.6

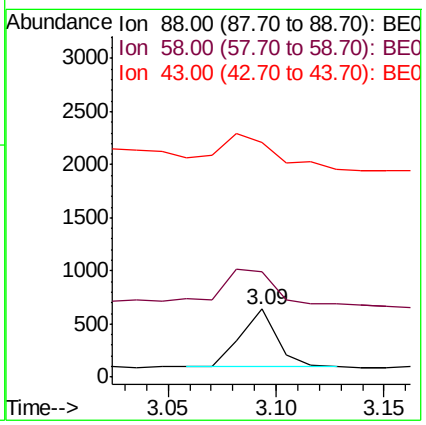


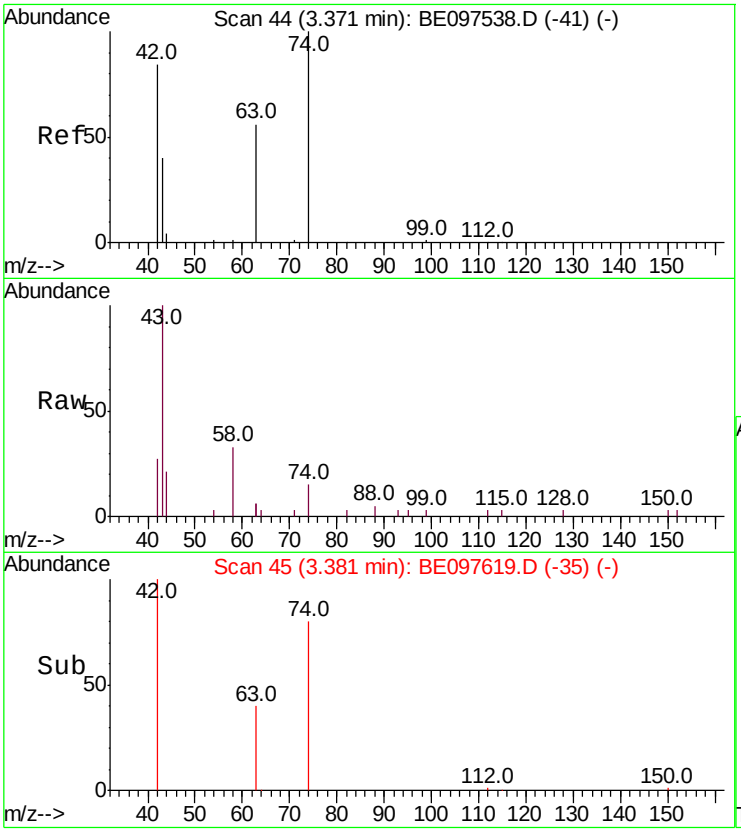


#2
1,4-Dioxane
Concen: 0.319 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.02 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion: 88 Resp: 635

Ion	Ratio	Lower	Upper
88	100		
58	85.7	63.2	94.8
43	95.1	41.2	61.8#



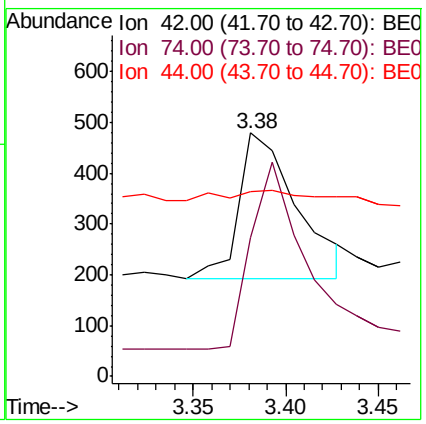


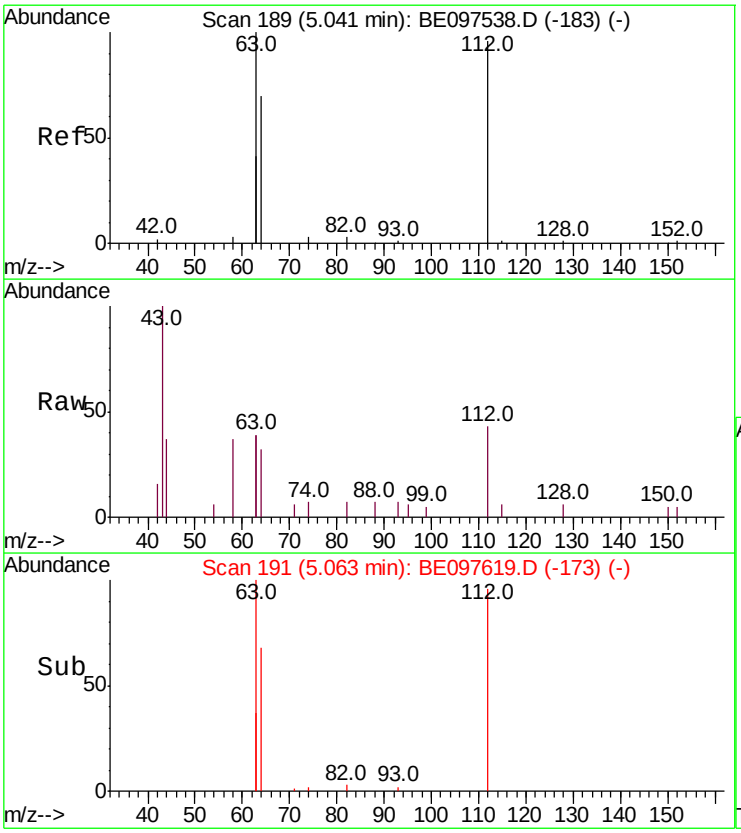
#3
n-Nitrosodimethylamine
Concen: 0.379 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion: 42 Resp: 624

Ion	Ratio	Lower	Upper
42	100		
74	116.2	96.0	144.0
44	9.5	12.0	18.0#

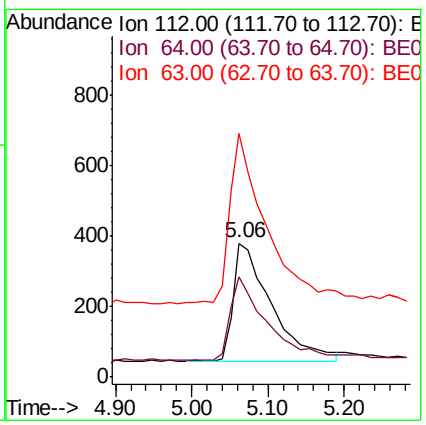


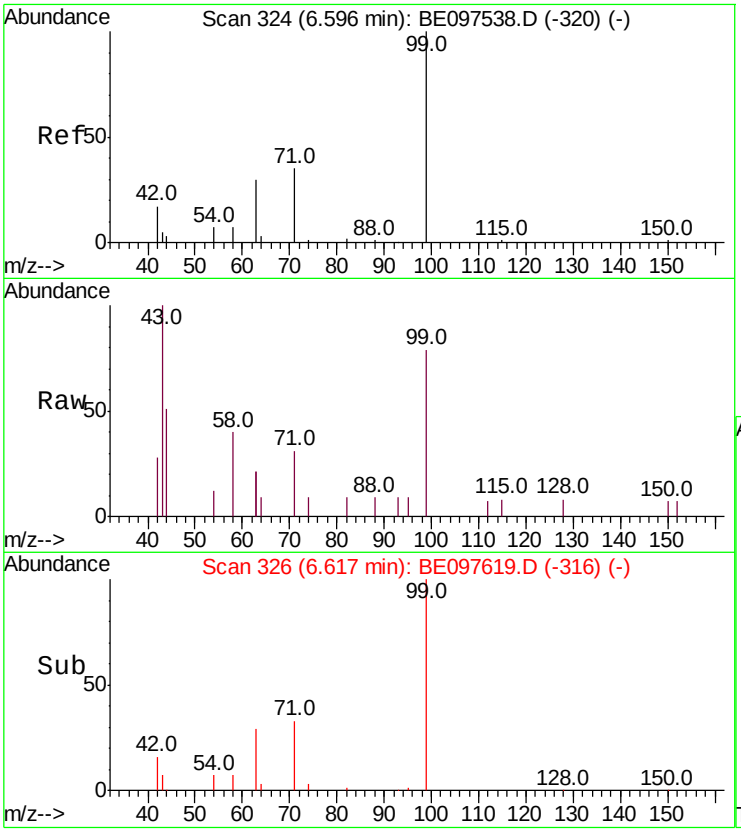


#4
2-Fluorophenol
Concen: 0.343 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:112 Resp: 1166

Ion	Ratio	Lower	Upper
112	100		
64	67.5	60.1	90.1
63	140.1	116.8	175.2



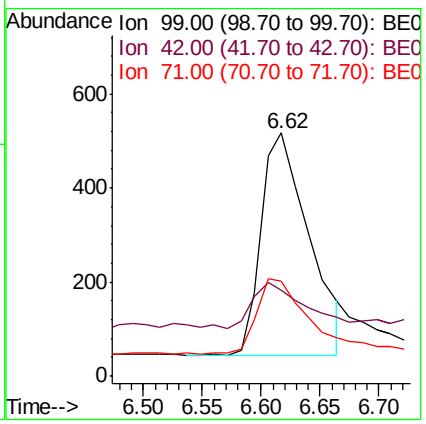


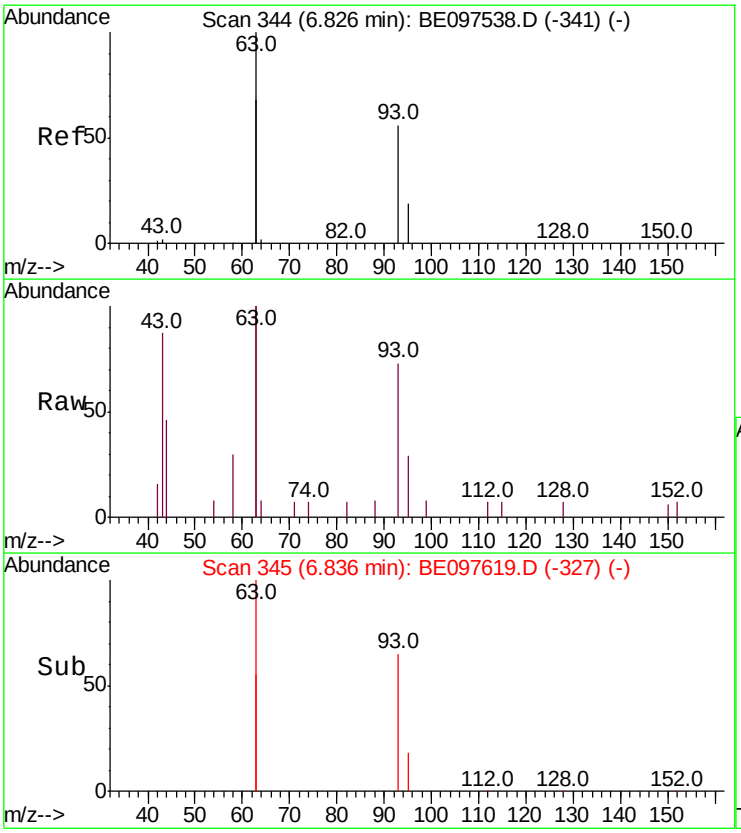
#5
Phenol-d6
Concen: 0.307 ng
RT: 6.62 min Scan# 326
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion: 99 Resp: 1337

Ion	Ratio	Lower	Upper
99	100		
42	20.3	20.2	30.2
71	34.7	28.4	42.6

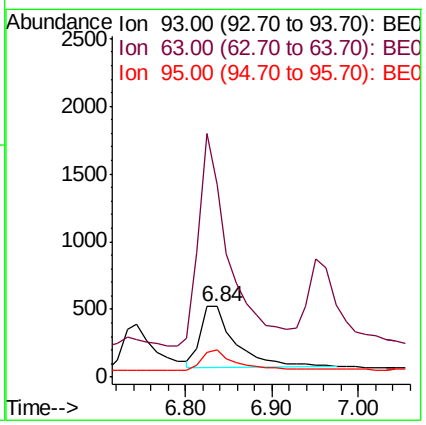


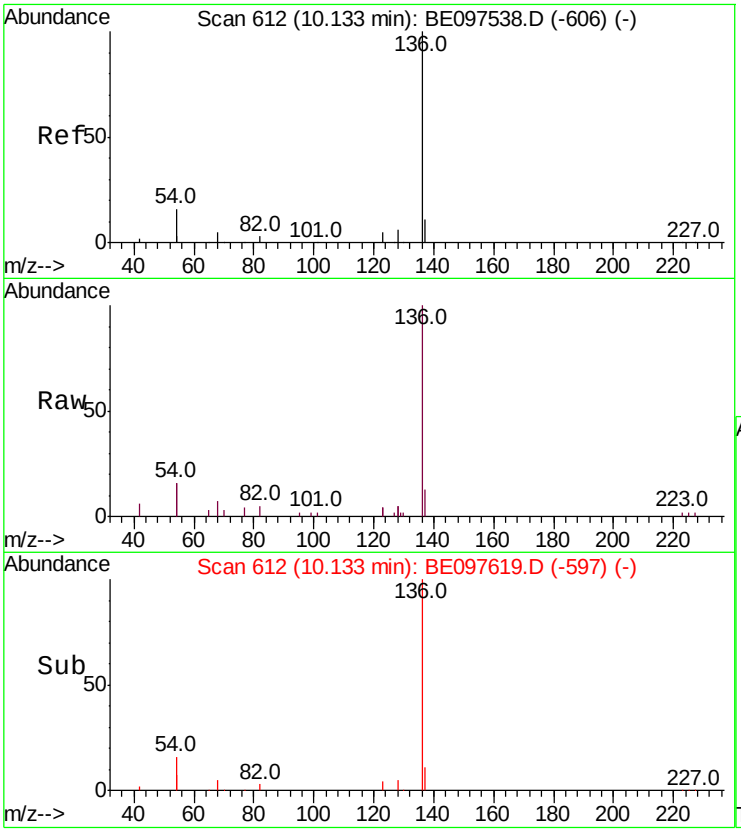


#6
bis(2-Chloroethyl)ether
Concen: 0.315 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion: 93 Resp: 1272

Ion	Ratio	Lower	Upper
93	100		
63	305.6	275.3	412.9
95	34.0	25.2	37.8



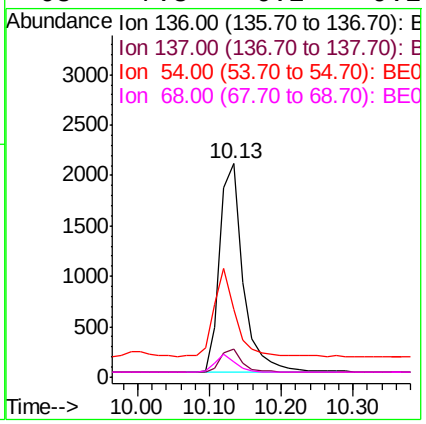


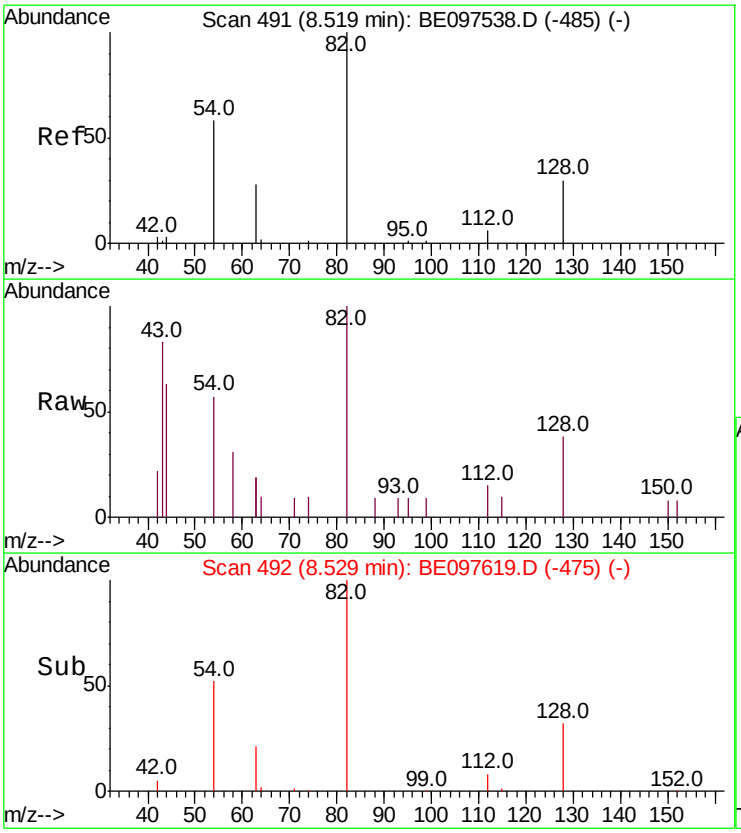
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:136 Resp: 4751

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.5	14.3
54	31.7	29.1	43.7
68	7.3	6.2	9.2

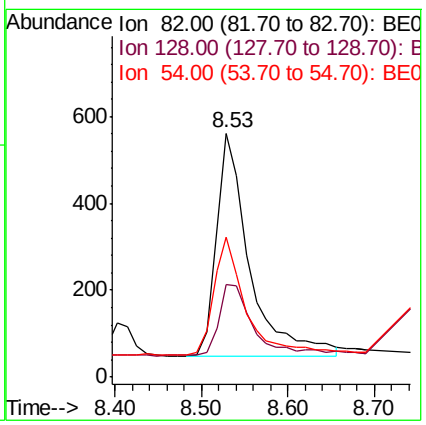


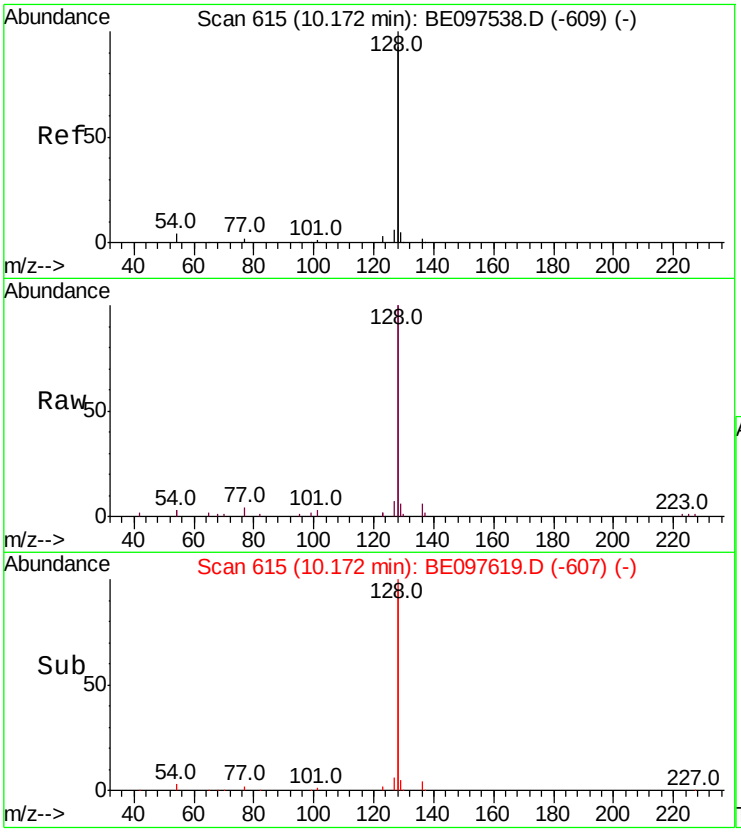


#8
Nitrobenzene-d5
Concen: 0.371 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion: 82 Resp: 1361

Ion	Ratio	Lower	Upper
82	100		
128	37.8	24.0	36.0#
54	57.2	40.0	60.0



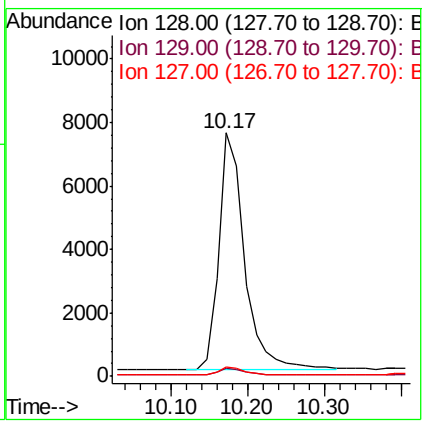


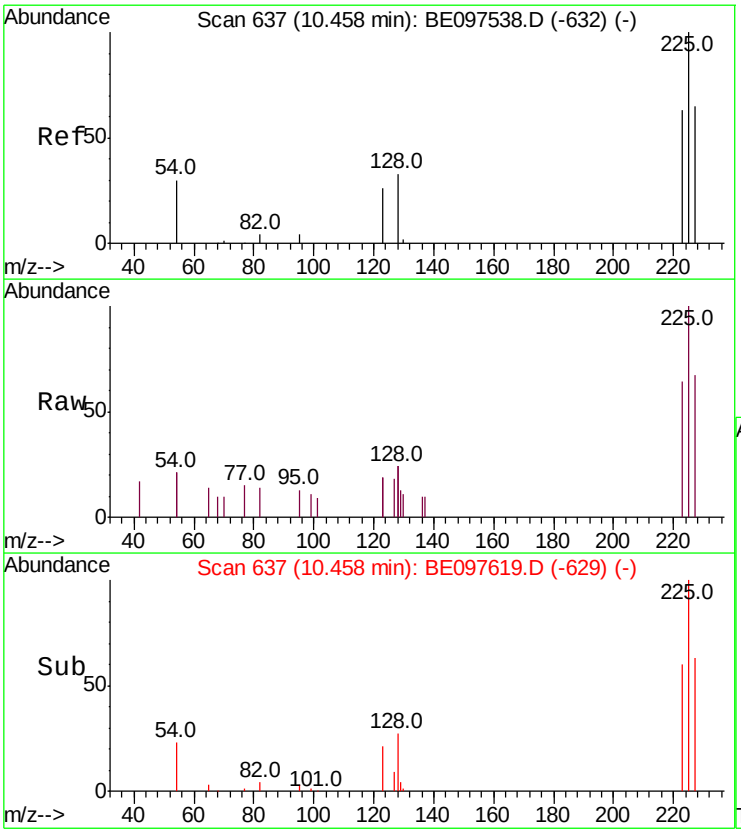
#9
Naphthalene
Concen: 0.410 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:128 Resp: 17544

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.7	2.8	4.2

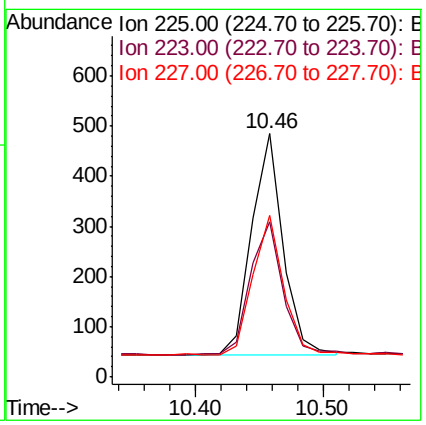


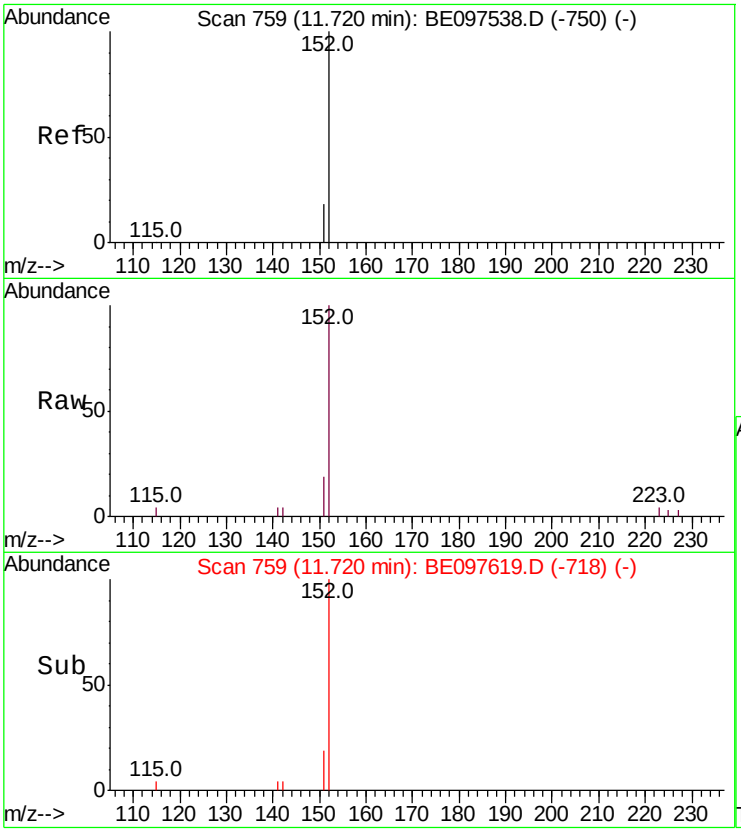


#10
Hexachlorobutadiene
Concen: 0.380 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:225 Resp: 750

Ion	Ratio	Lower	Upper
225	100		
223	61.5	53.0	79.6
227	61.5	51.4	77.2



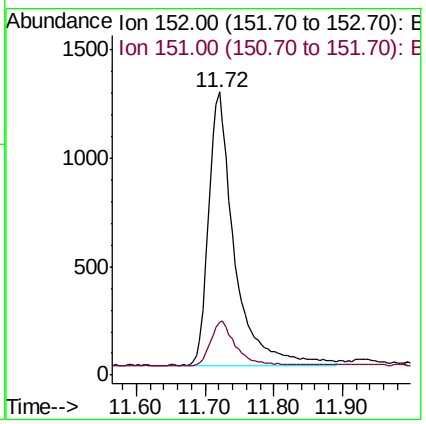


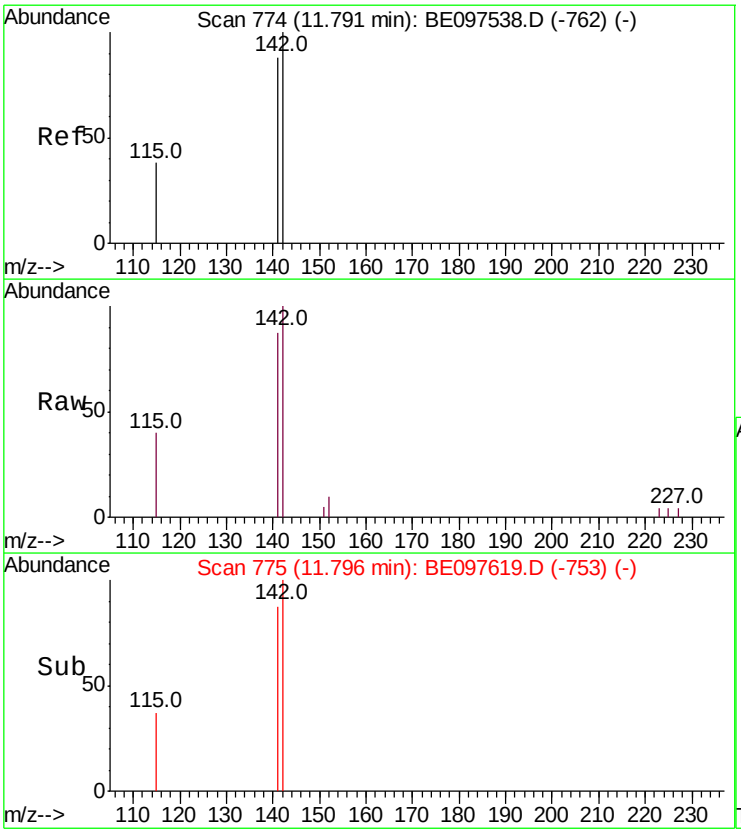
#11
2-Methylnaphthalene-d10
Concen: 0.503 ng
RT: 11.72 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:152 Resp: 3294

Ion	Ratio	Lower	Upper
152	100		
151	15.4	15.4	23.0

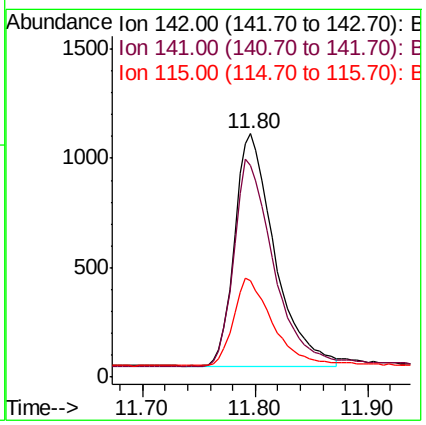


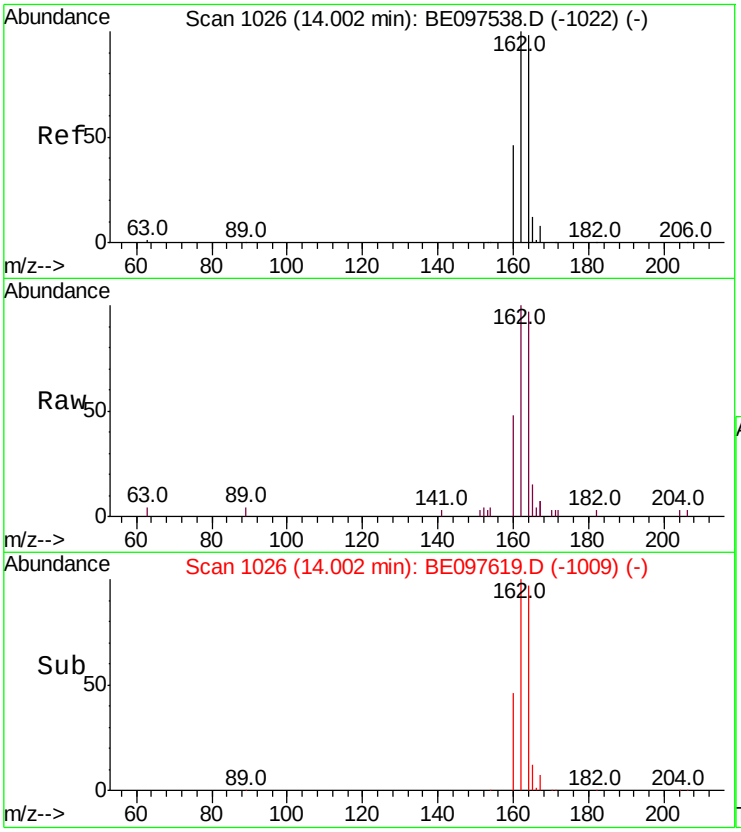


#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:142 Resp: 2608

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.4	105.6
115	39.7	31.7	47.5



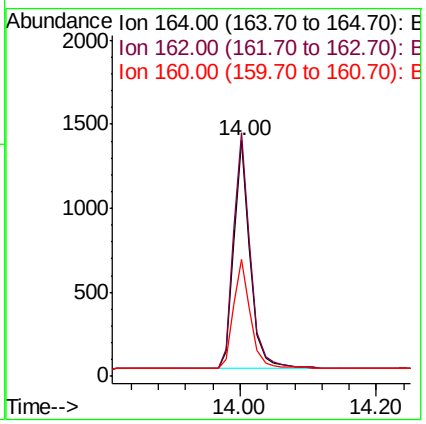


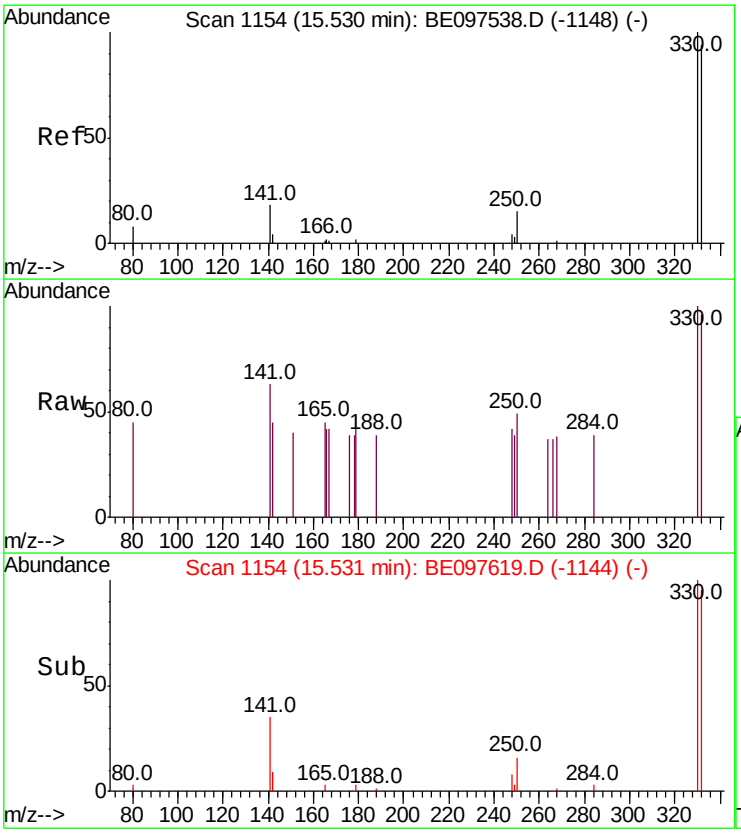
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:164 Resp: 2287

Ion	Ratio	Lower	Upper
164	100		
162	103.4	83.1	124.7
160	49.8	37.1	55.7

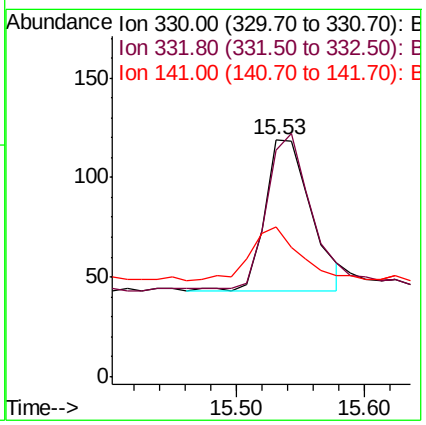


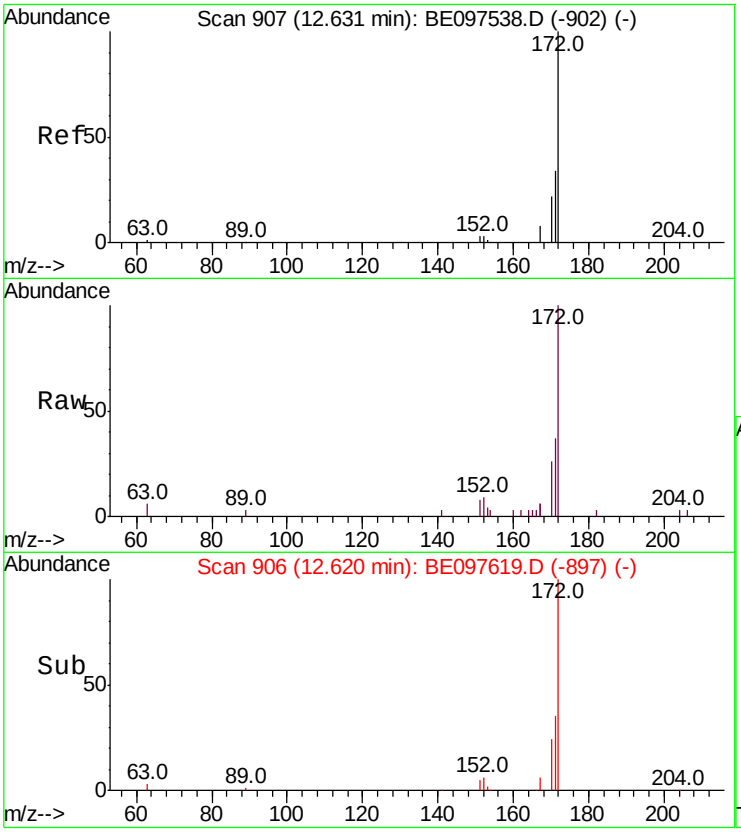


#14
2,4,6-Tribromophenol
Concen: 0.269 ng
RT: 15.53 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:330 Resp: 191

Ion	Ratio	Lower	Upper
330	100		
332	97.4	152.7	229.1#
141	38.2	33.7	50.5



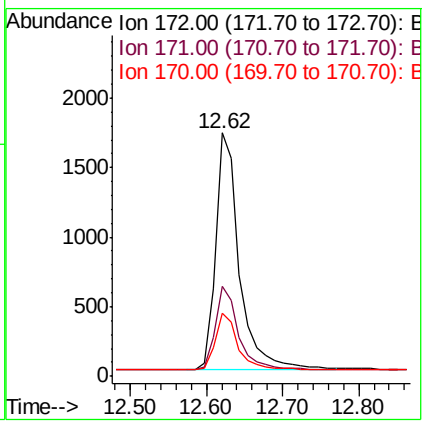


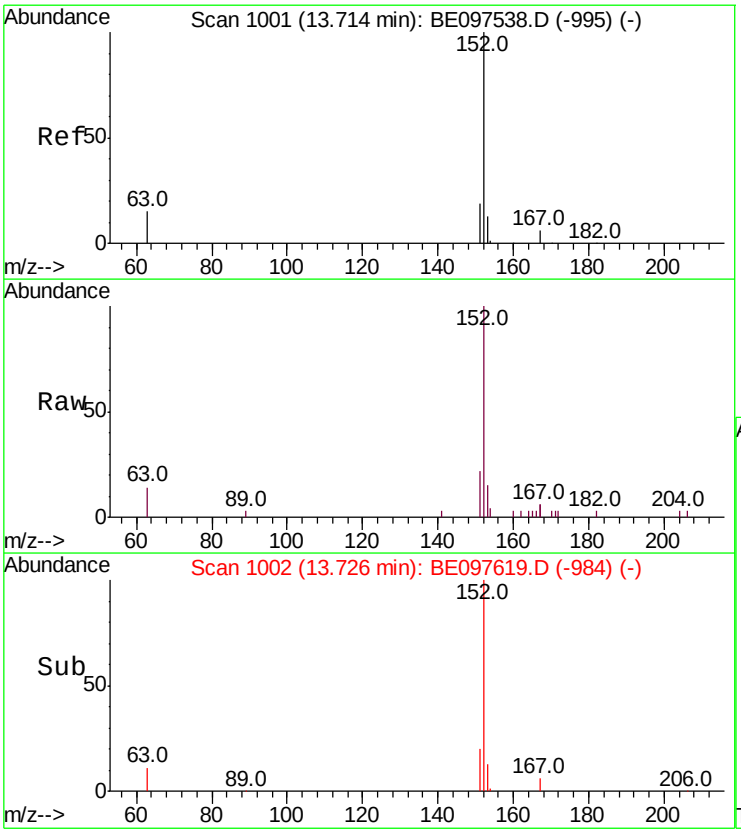
#15
2-Fluorobiphenyl
Concen: 0.463 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:172 Resp: 3738

Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.9	44.9
170	26.1	21.8	32.8

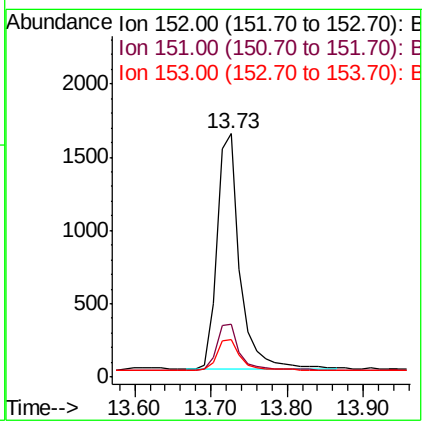


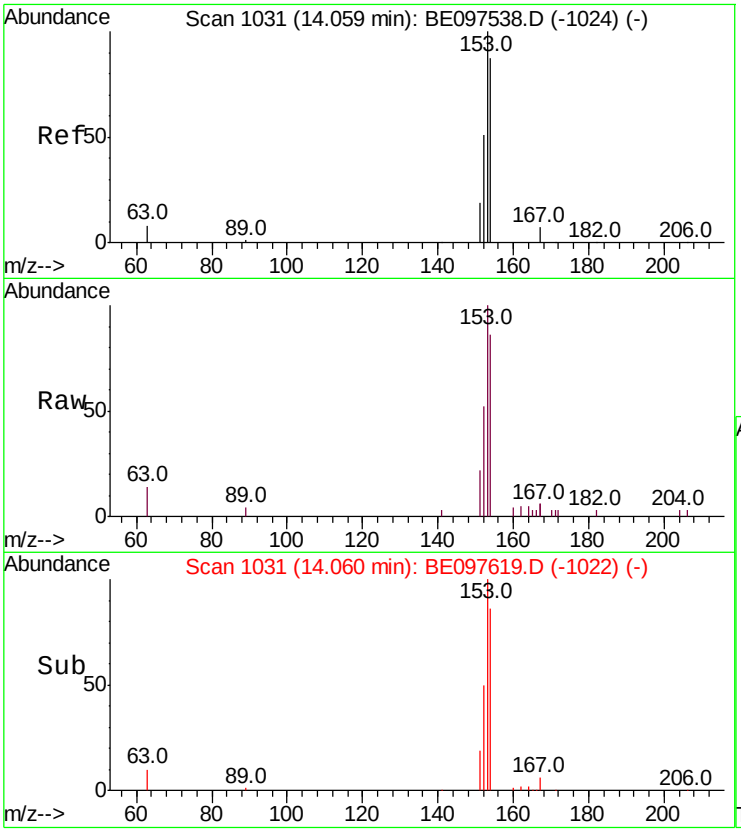


#16
Acenaphthylene
Concen: 0.375 ng
RT: 13.73 min Scan# 1002
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:152 Resp: 3390

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.7	23.5
153	12.9	10.5	15.7



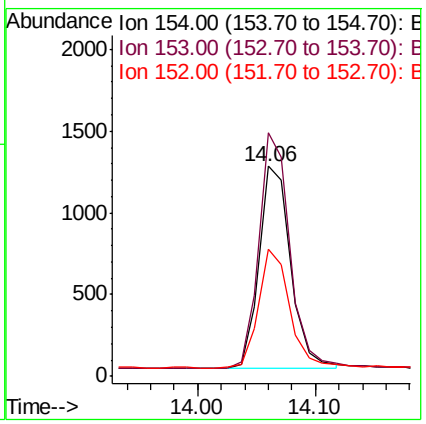


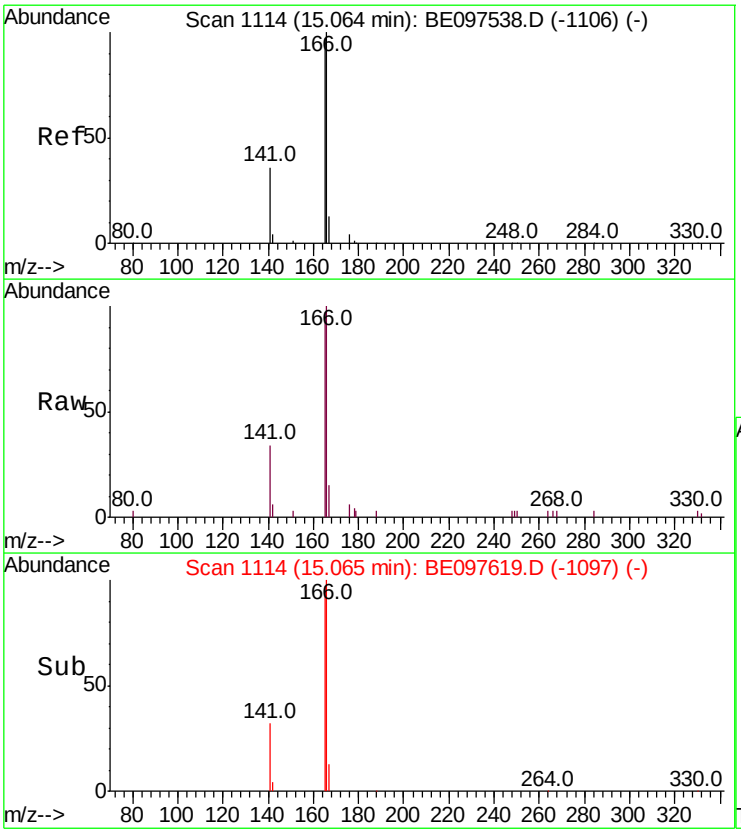
#17
Acenaphthene
Concen: 0.381 ng
RT: 14.06 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:154 Resp: 2312

Ion	Ratio	Lower	Upper
154	100		
153	114.5	89.2	133.8
152	57.3	42.0	63.0

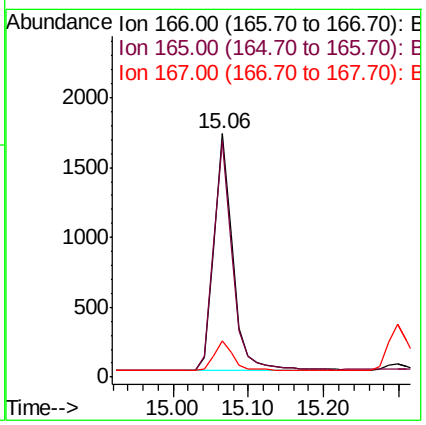


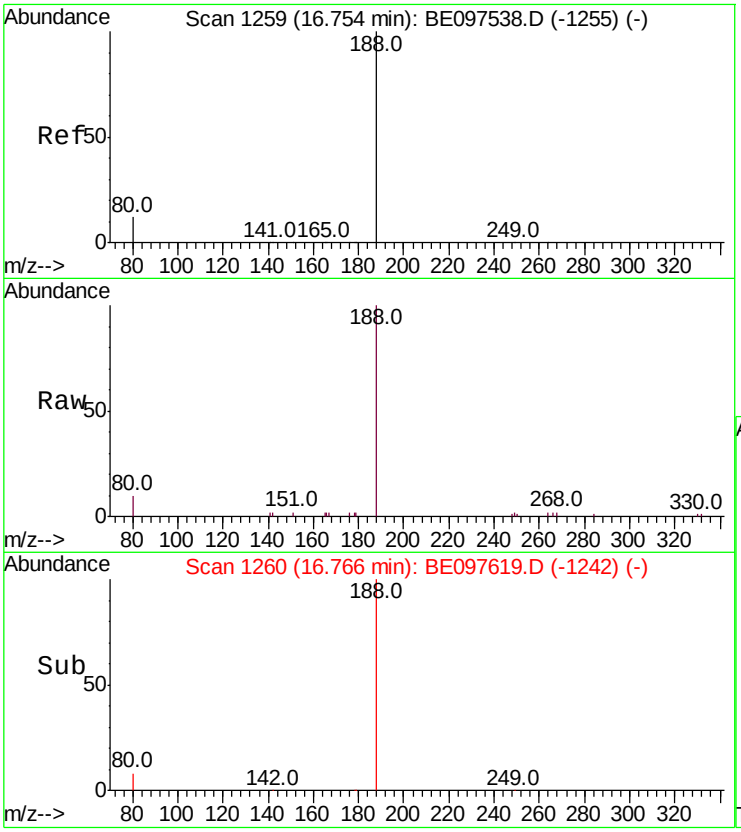


#18
Fluorene
Concen: 0.375 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:166 Resp: 2967

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.6
167	13.5	42.4	63.6#



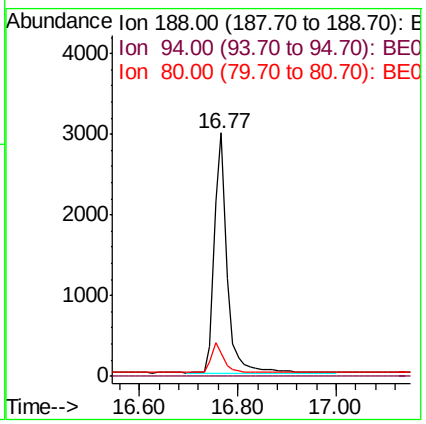


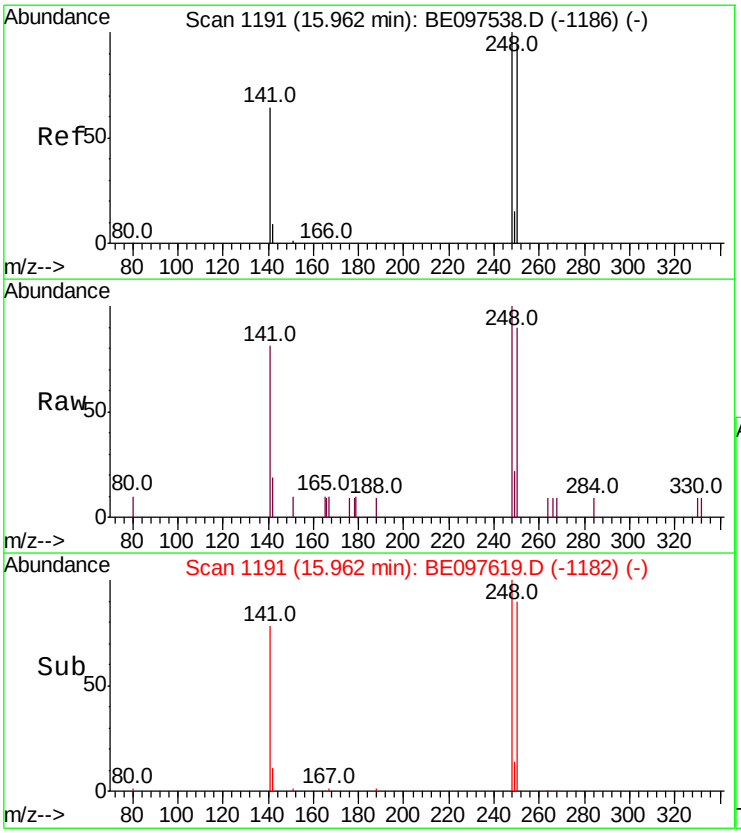
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:188 Resp: 5319

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	9.8	3.6	5.4#

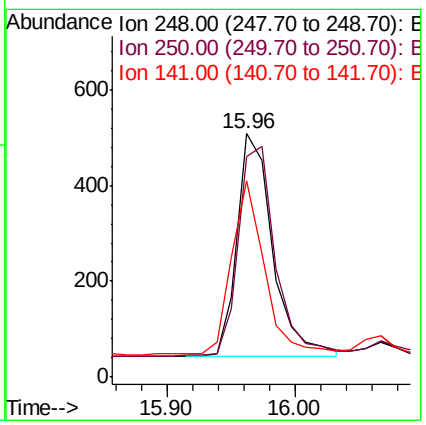


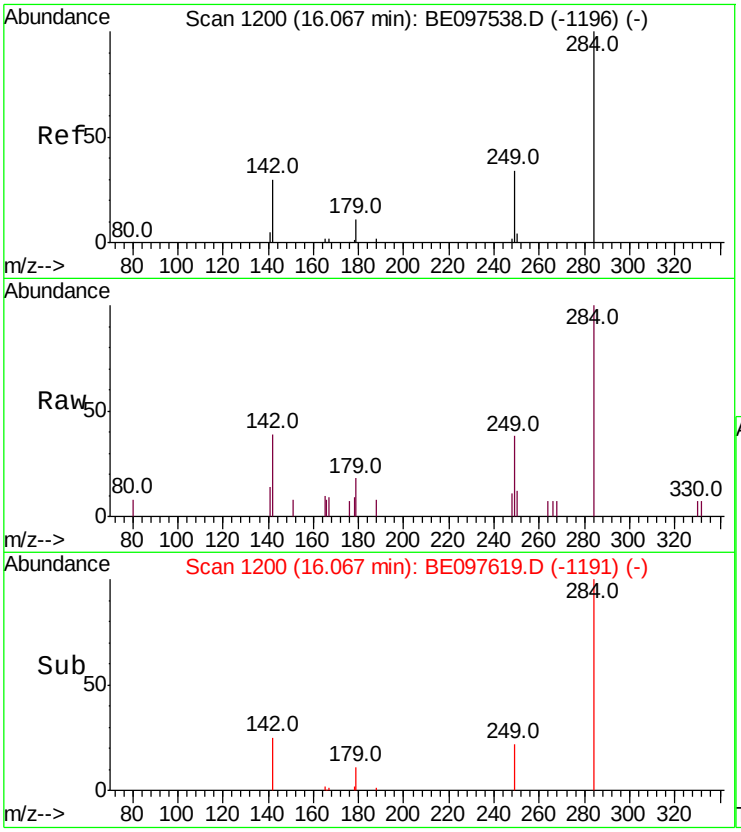


#20
4-Bromophenyl-phenylether
Concen: 0.374 ng
RT: 15.96 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:248 Resp: 896

Ion	Ratio	Lower	Upper
248	100		
250	90.4	62.7	94.1
141	80.5	48.2	72.2#



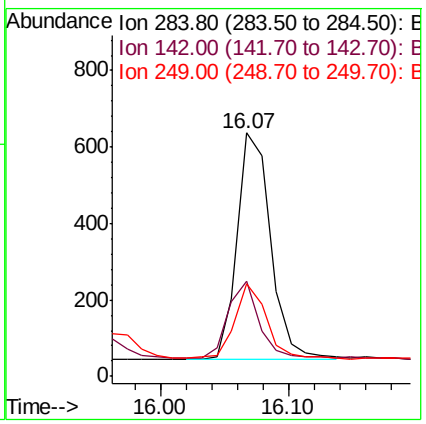


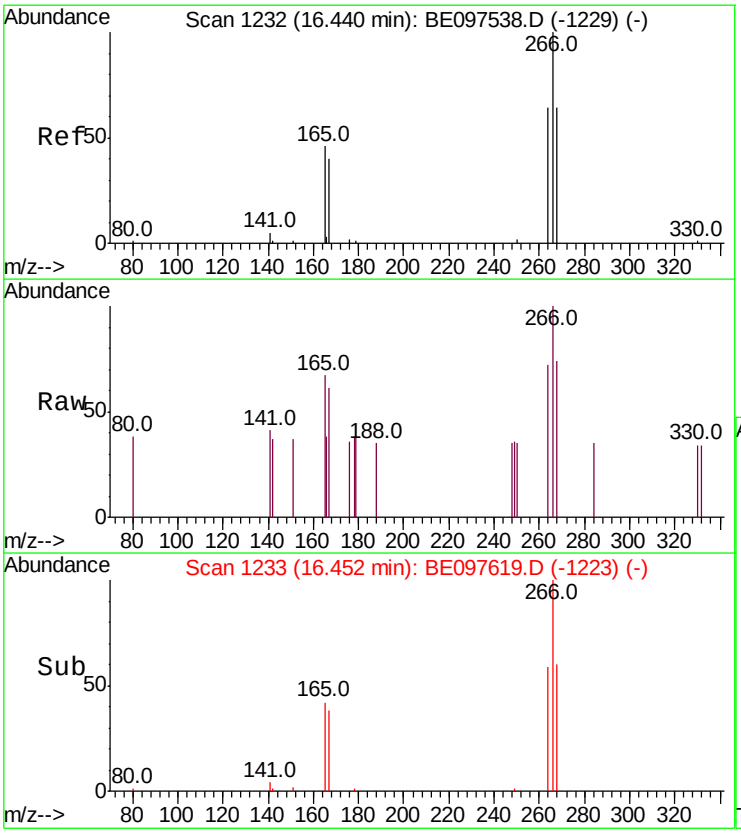
#21
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:284 Resp: 1080

Ion	Ratio	Lower	Upper
284	100		
142	30.9	22.1	33.1
249	30.2	34.8	52.2#

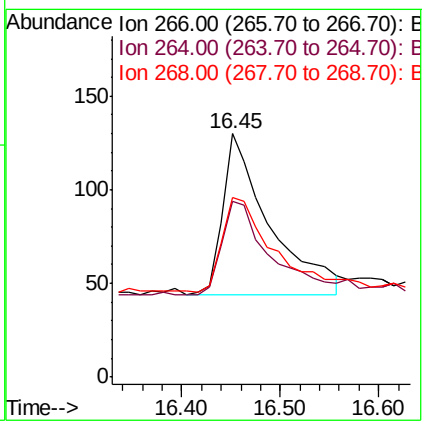


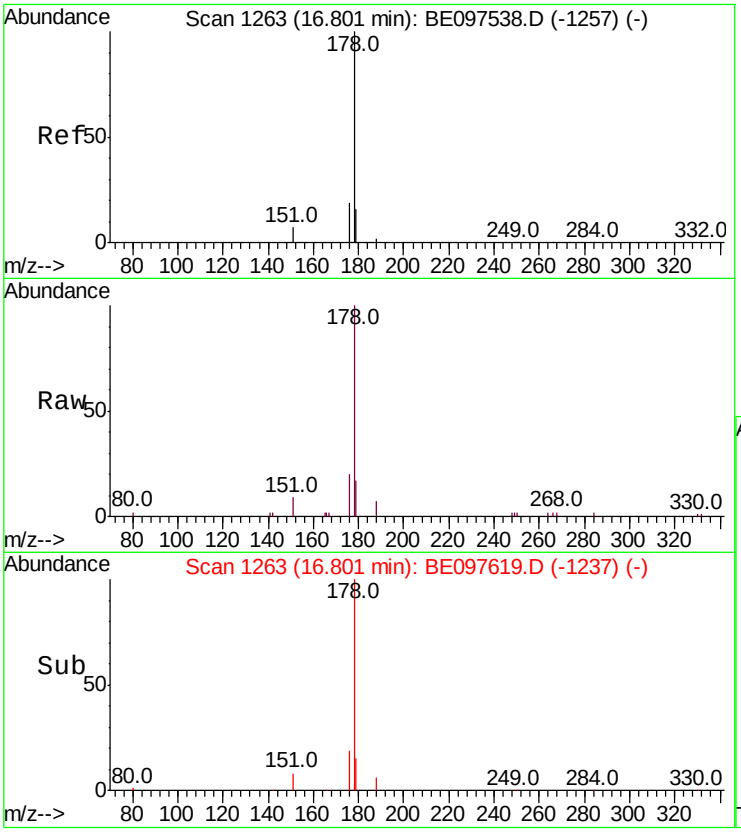


#22
Pentachlorophenol
Concen: 0.367 ng
RT: 16.45 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:266 Resp: 281

Ion	Ratio	Lower	Upper
266	100		
264	72.3	72.5	108.7#
268	73.8	73.8	110.6



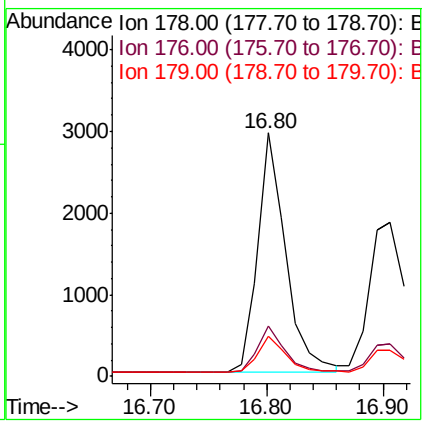


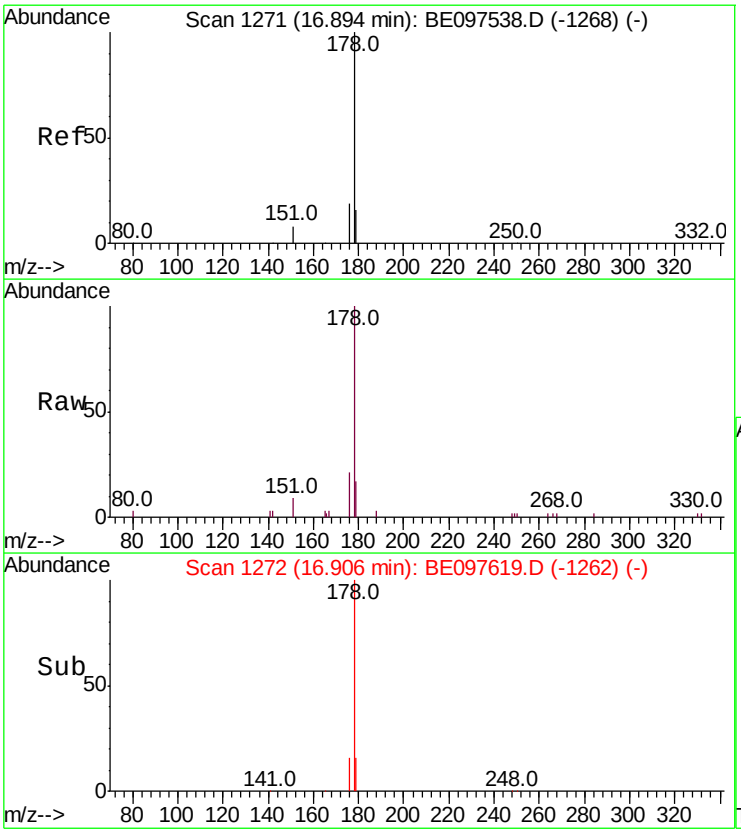
#23
Phenanthrene
Concen: 0.391 ng
RT: 16.80 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:178 Resp: 4936

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.1	22.7
179	15.5	11.8	17.6

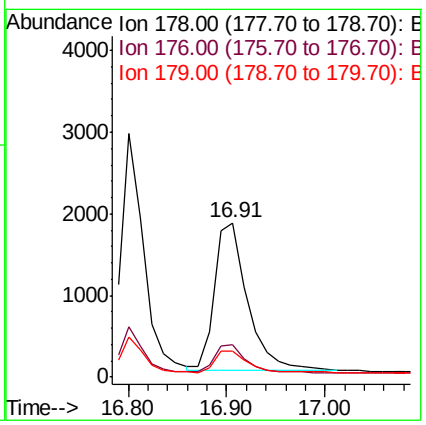


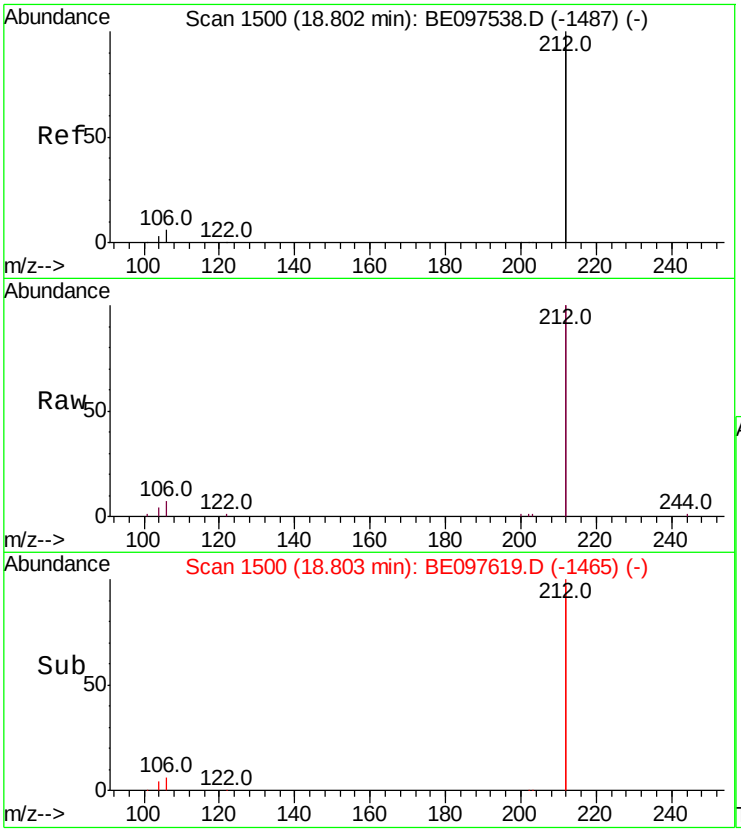


#24
Anthracene
Concen: 0.373 ng
RT: 16.91 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:178 Resp: 4161

Ion	Ratio	Lower	Upper
178	100		
176	18.4	12.8	19.2
179	14.9	13.0	19.6



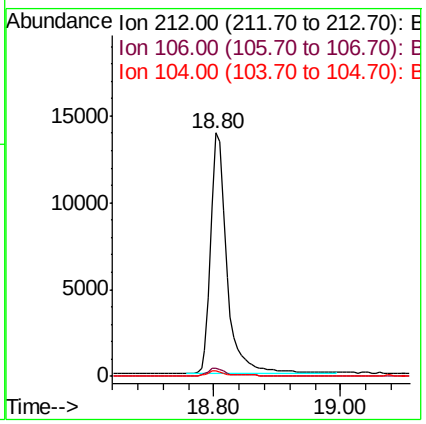


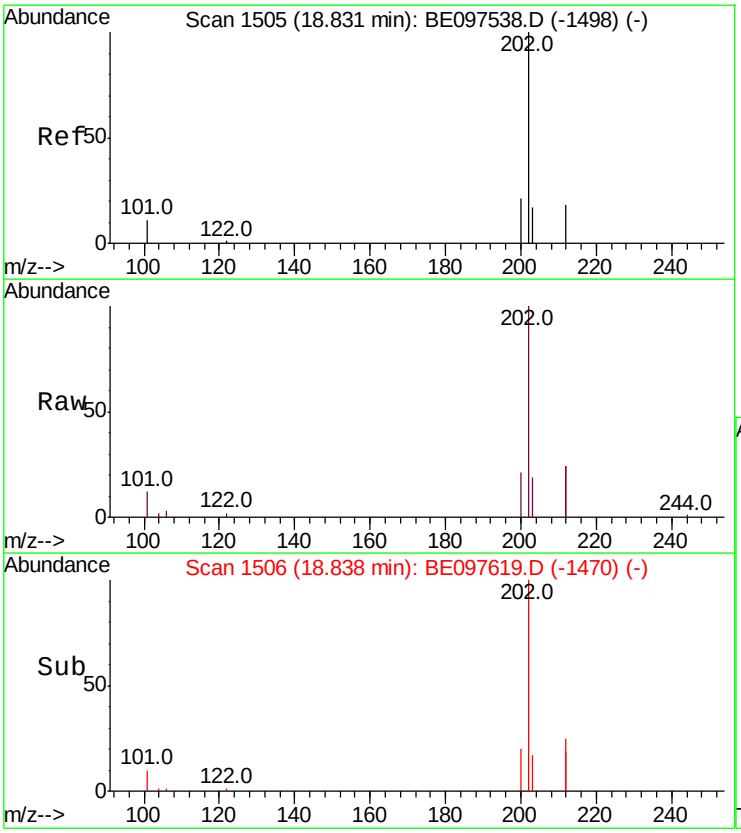
#25
Fluoranthene-d10
Concen: 0.356 ng
RT: 18.80 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:212 Resp: 24273

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.8	4.2
104	1.8	1.6	2.4

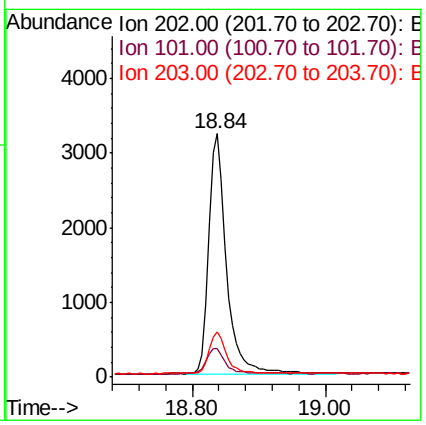


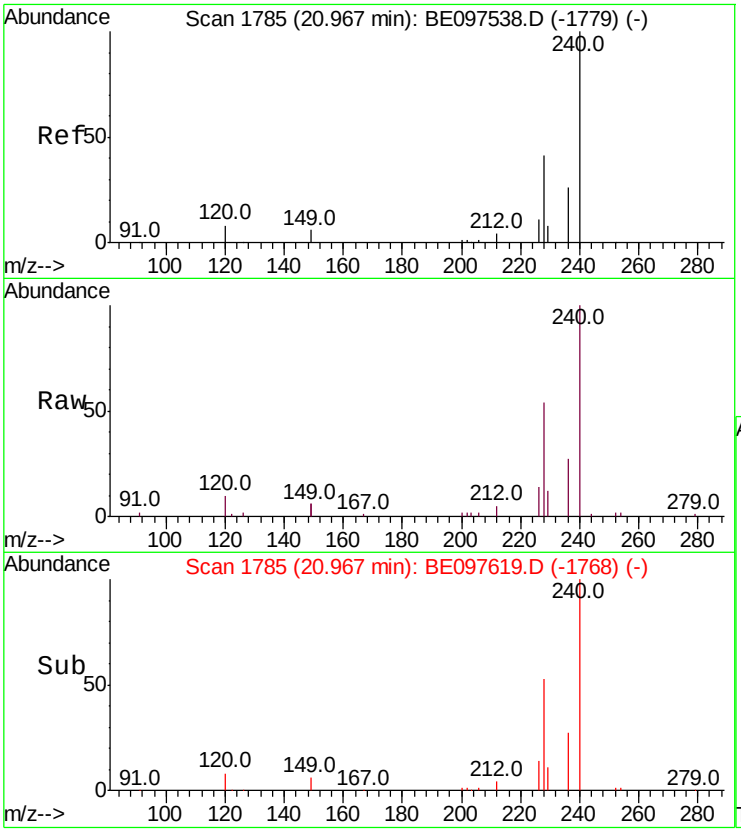


#26
Fluoranthene
Concen: 0.337 ng
RT: 18.84 min Scan# 1506
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:202 Resp: 5912

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.8
203	16.8	13.7	20.5



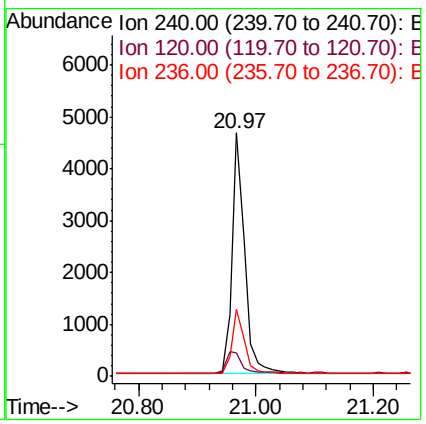


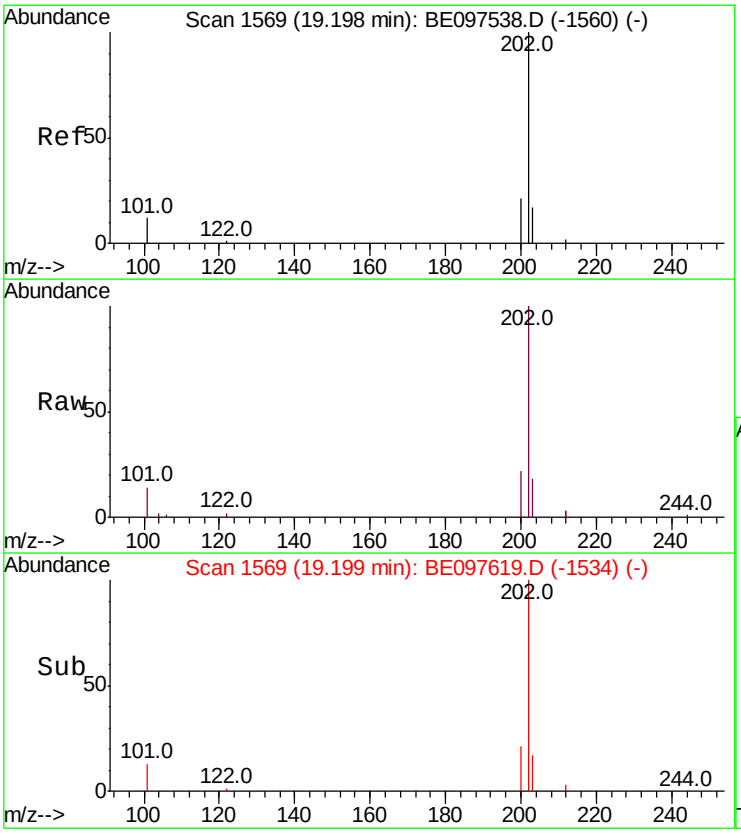
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:240 Resp: 7016

Ion	Ratio	Lower	Upper
240	100		
120	9.6	5.5	8.3#
236	27.4	20.7	31.1

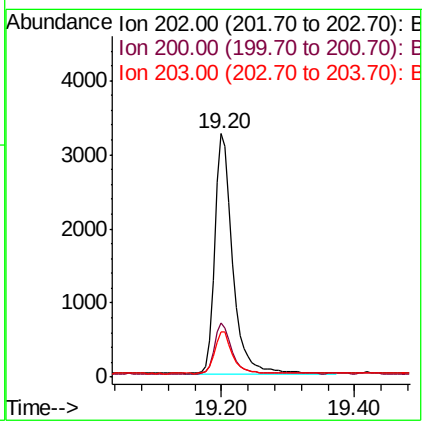


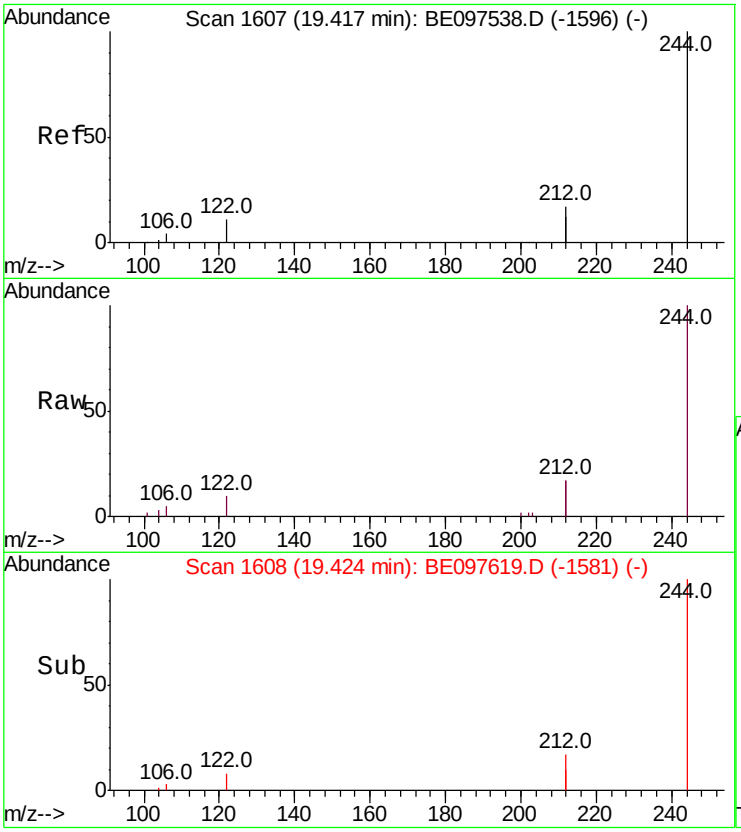


#28
Pyrene
Concen: 0.374 ng
RT: 19.20 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:202 Resp: 5966

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.5	13.8	20.8



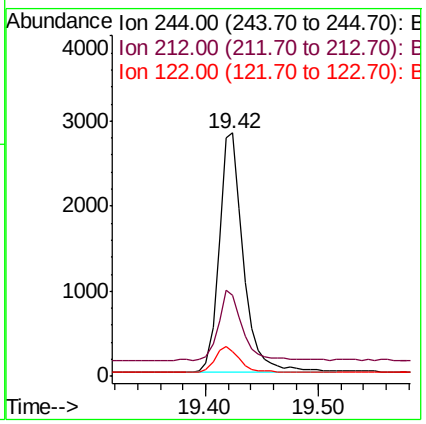


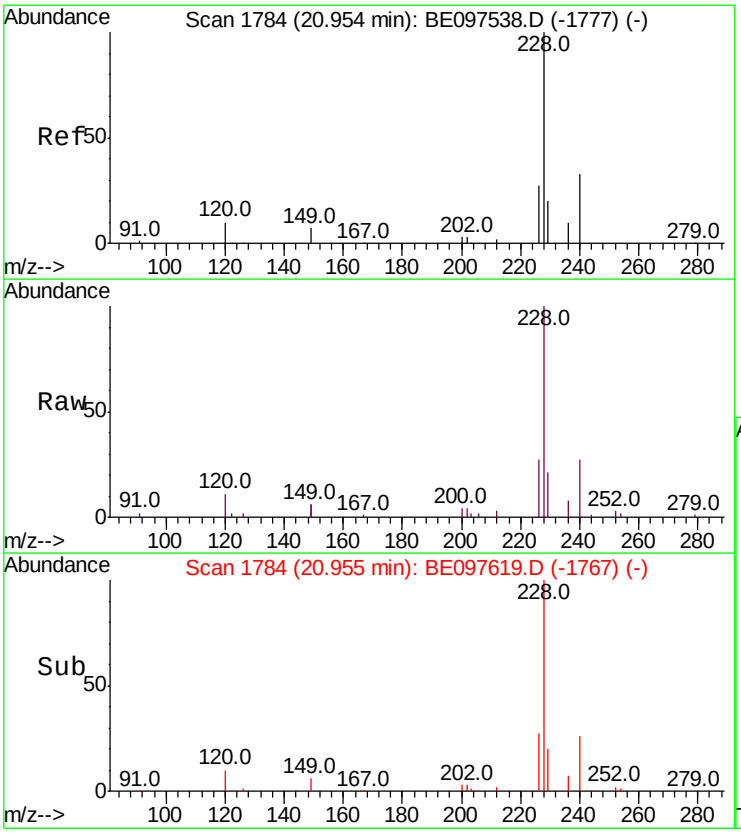
#29
Terphenyl-d14
Concen: 0.329 ng
RT: 19.42 min Scan# 1608
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:244 Resp: 4230

Ion	Ratio	Lower	Upper
244	100		
212	33.1	25.4	38.0
122	10.1	8.1	12.1

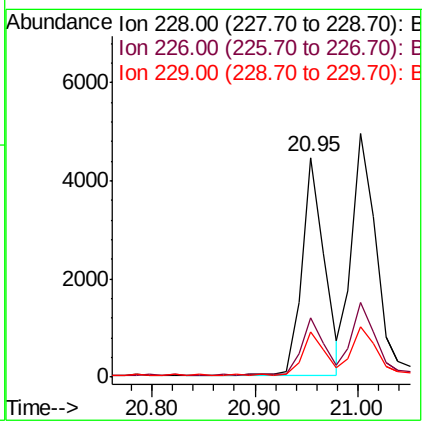


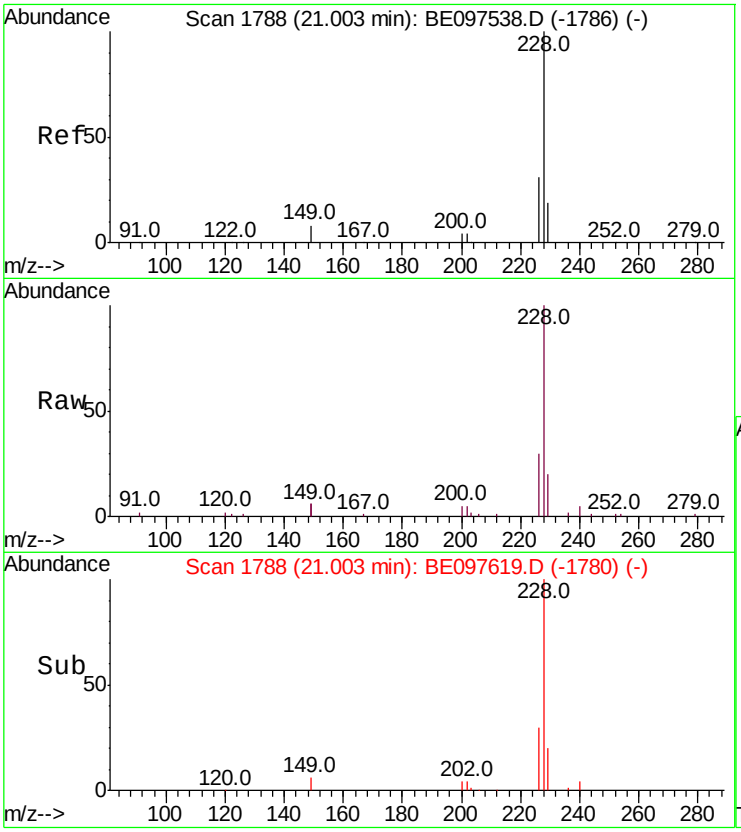


#30
Benzo(a)anthracene
Concen: 0.376 ng
RT: 20.95 min Scan# 1784
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:228 Resp: 6649

Ion	Ratio	Lower	Upper
228	100		
226	27.3	24.0	36.0
229	20.7	16.0	24.0



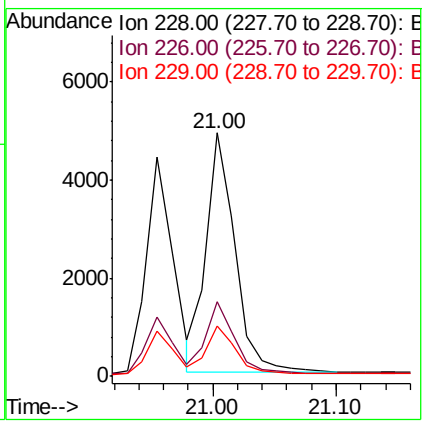


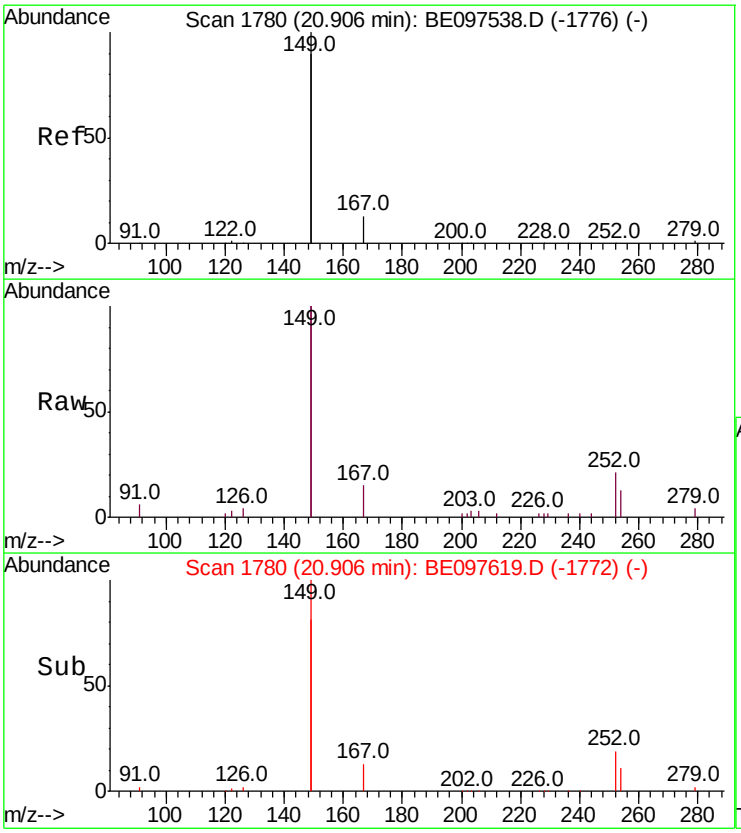
#31
Chrysene
Concen: 0.418 ng
RT: 21.00 min Scan# 1788
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:228 Resp: 7924

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.0	36.0
229	20.5	16.0	24.0

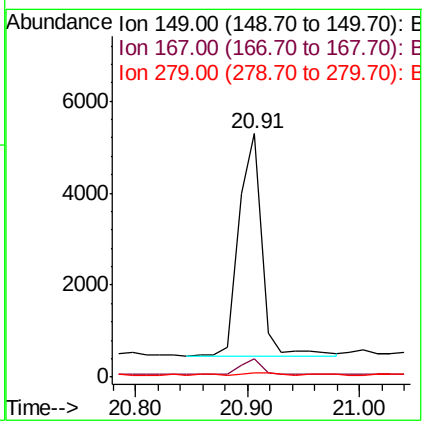


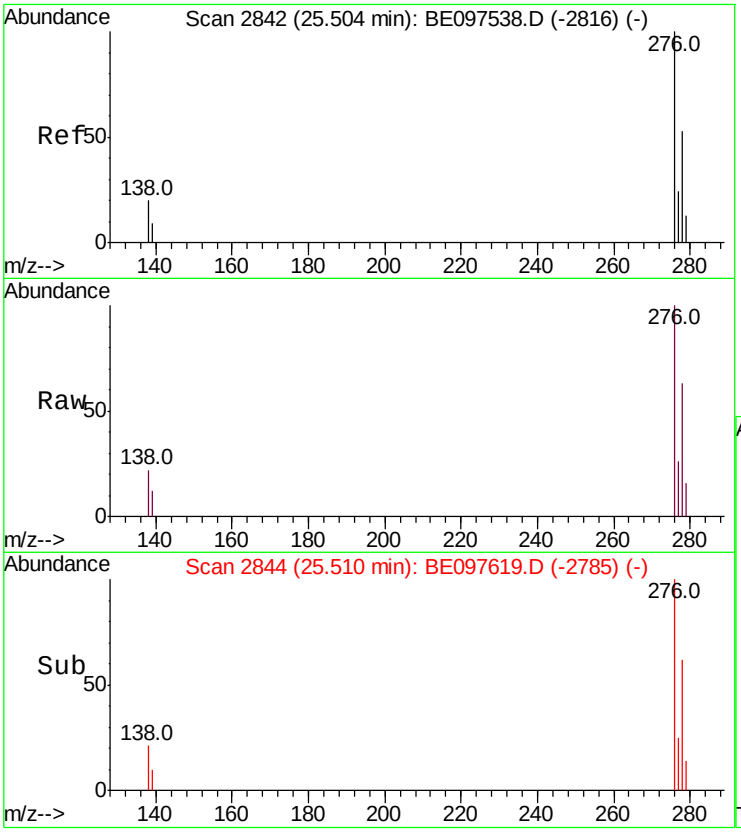


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.241 ng
RT: 20.91 min Scan# 1780
Delta R.T. -0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:149 Resp: 6842

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



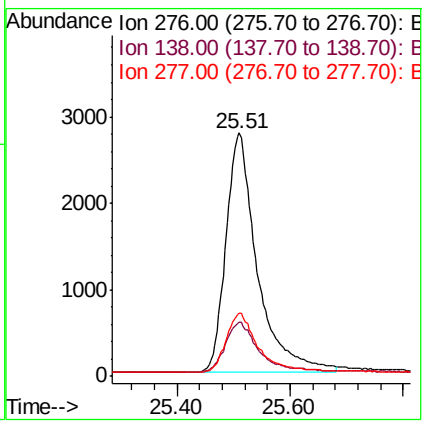


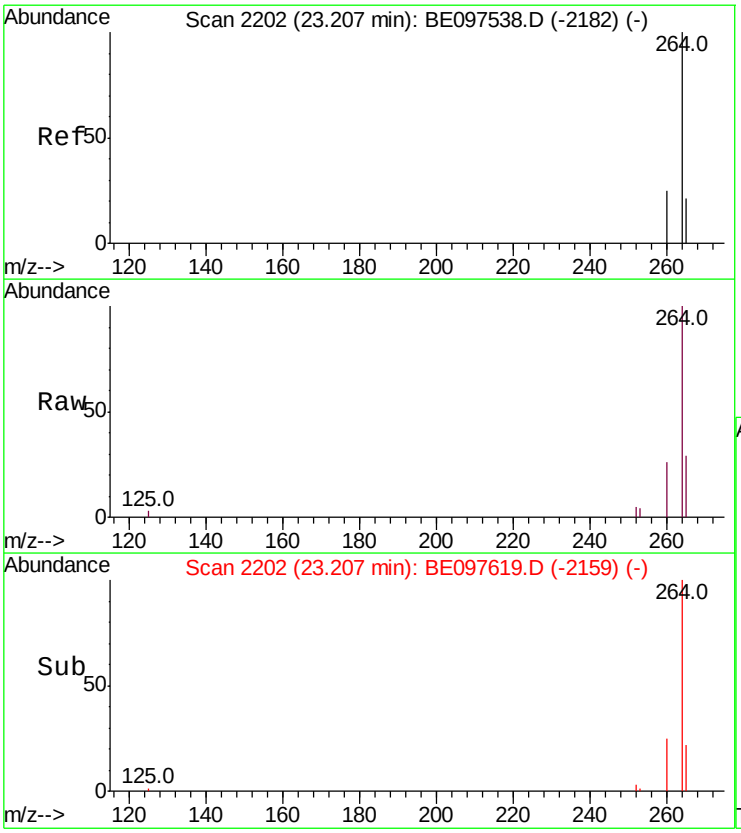
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.468 ng
RT: 25.51 min Scan# 2844
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:276 Resp: 10687

Ion	Ratio	Lower	Upper
276	100		
138	22.0	22.5	33.7#
277	25.2	19.9	29.9

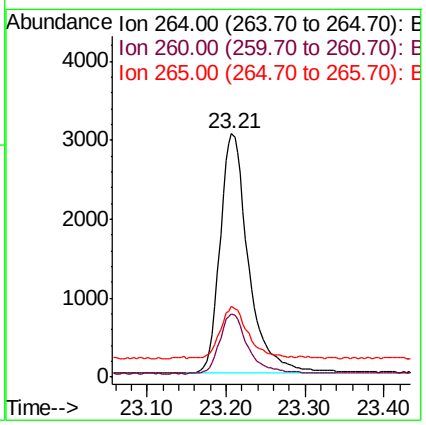


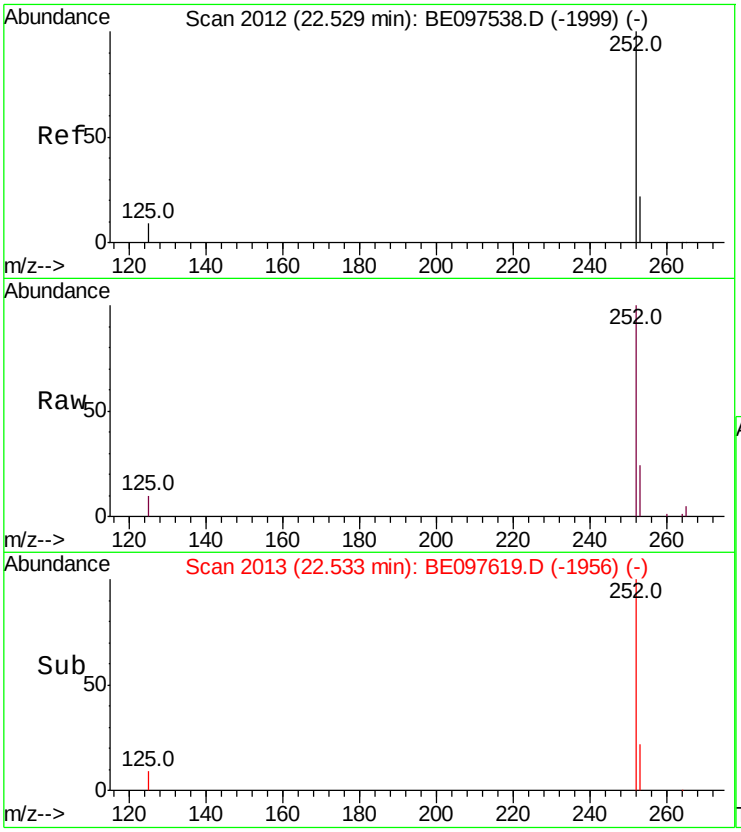


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:264 Resp: 7596

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	29.3	22.8	34.2



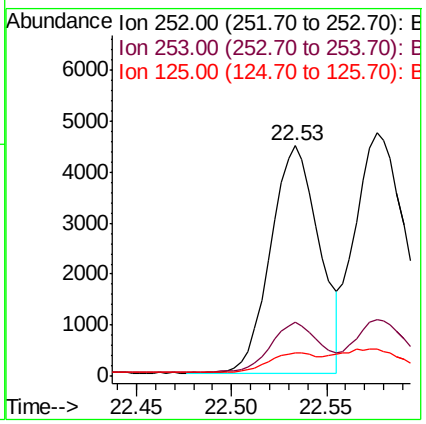


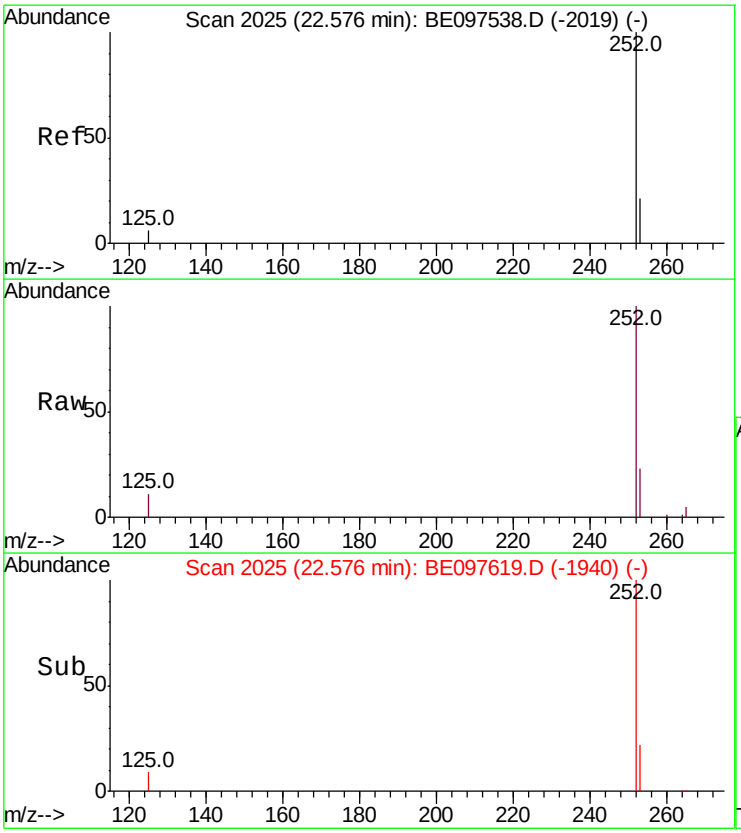
#35
Benzo(b)fluoranthene
Concen: 0.404 ng
RT: 22.53 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:252 Resp: 7861

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	10.3	16.0	24.0#

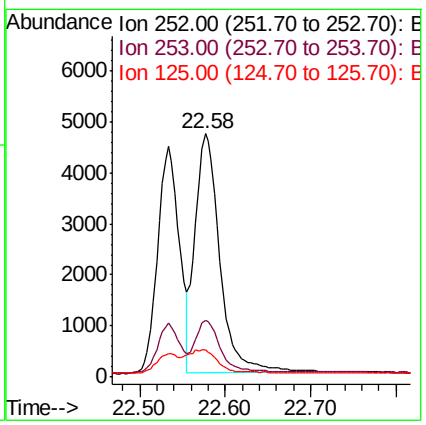


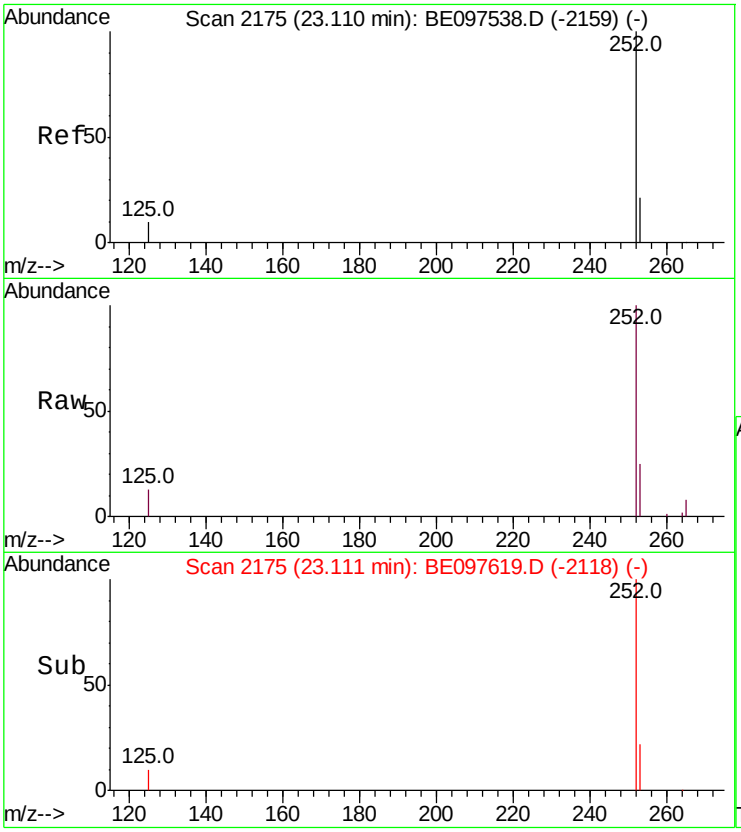


#36
Benzo(k)fluoranthene
Concen: 0.425 ng
RT: 22.58 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:252 Resp: 9442

Ion	Ratio	Lower	Upper
252	100		
253	23.4	16.0	24.0
125	11.0	8.0	12.0



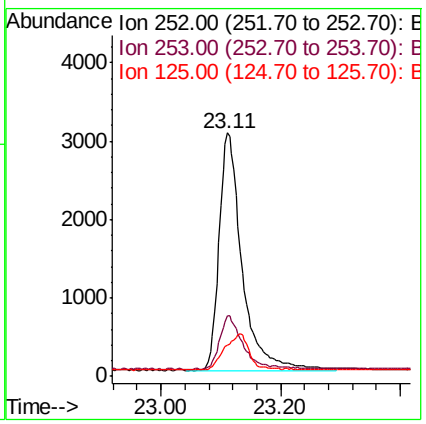


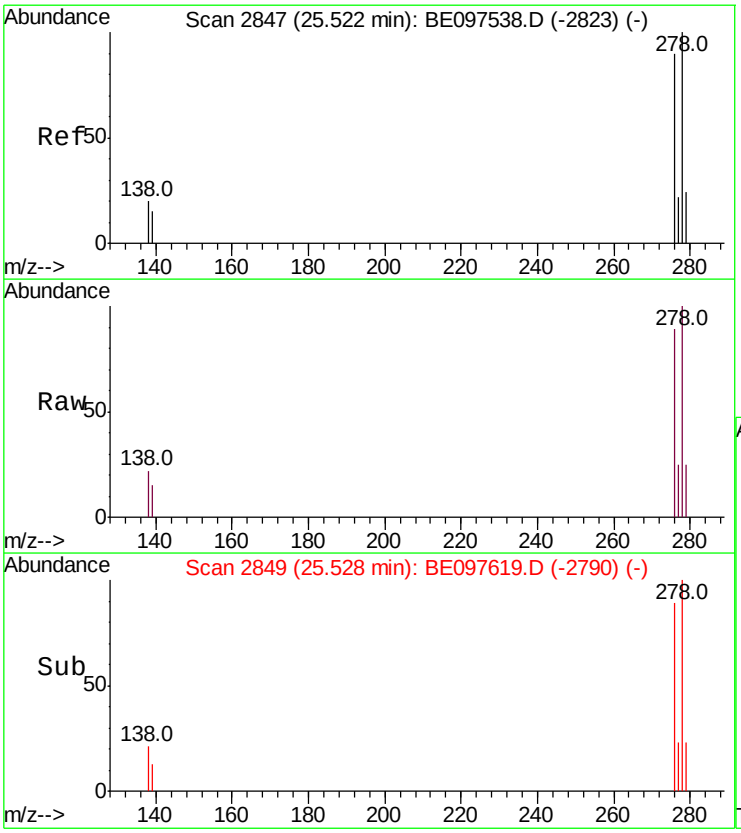
#37
Benzo(a)pyrene
Concen: 0.427 ng
RT: 23.11 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:252 Resp: 8073

Ion	Ratio	Lower	Upper
252	100		
253	24.8	16.0	24.0#
125	12.9	12.0	18.0

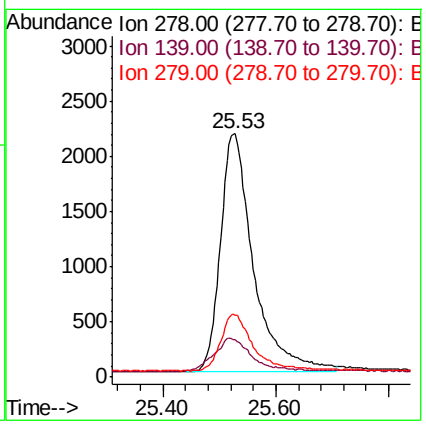


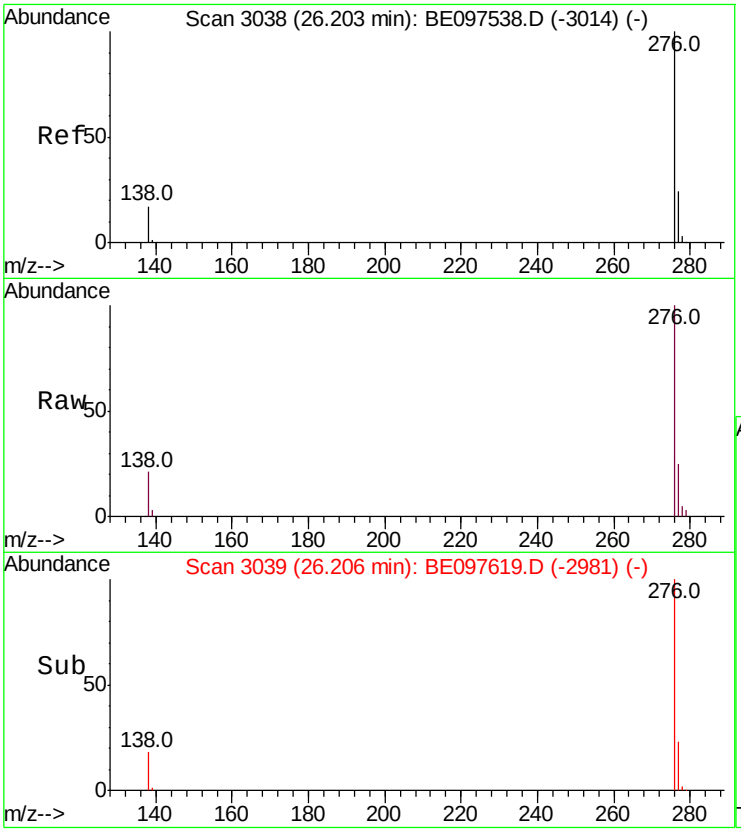


#38
Dibenzo(a,h)anthracene
Concen: 0.430 ng
RT: 25.53 min Scan# 2849
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Tgt Ion:278 Resp: 8782

Ion	Ratio	Lower	Upper
278	100		
139	15.2	16.0	24.0#
279	25.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.435 ng
RT: 26.21 min Scan# 3039
Delta R.T. 0.01 min
Lab File: BE097619.D
Acq: 21 Sep 2018 19:43

Instrument :
BNA_E
ClientSampleId :
PB112884BSD

Tgt Ion:276 Resp: 8638

Ion	Ratio	Lower	Upper
276	100		
277	25.1	16.0	24.0#
138	20.5	20.0	30.0