Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082218\
Data File : BE097348.D
Acq On : 22 Aug 2018 15:26
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Aug 22 16:06:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 16:06:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	856	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	4010	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	2166	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	6000	0.40	ng		0.00
27) Chrysene-d12	20.97	240	7570	0.40	ng		0.00
34) Perylene-d12	23.20	264	7234	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	910	0.46	ng		0.00
5) Phenol-d6	6.60	99	1217	0.42	ng		0.00
8) Nitrobenzene-d5	8.52	82	1028	0.60	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	2071	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	242	0.68	ng		0.00
15) 2-Fluorobiphenyl	12.62	172	3026	0.34	ng		0.00
25) Fluoranthene-d10	18.80	212	24987	0.47	ng		0.00
29) Terphenyl-d14	19.42	244	5188	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	594	0.438	ng	#	89
3) n-Nitrosodimethylamine	3.37	42	538	0.454	ng		98
6) bis(2-Chloroethyl)ether	6.83	93	1164	0.402	ng		94
9) Naphthalene	10.18	128	13771	0.375	ng		100
10) Hexachlorobutadiene	10.47	225	619	0.383	ng		97
12) 2-Methylnaphthalene	11.80	142	2144	0.387	ng		99
16) Acenaphthylene	13.73	152	3082	0.374	ng		99
17) Acenaphthene	14.07	154	2112	0.363	ng		95
18) Fluorene	15.06	166	2673	0.376	ng	#	79
20) 4-Bromophenyl-phenylether	15.96	248	978	0.361	ng	#	78
21) Hexachlorobenzene	16.08	284	1112	0.306	ng	#	83
22) Pentachlorophenol	16.44	266	250	0.701	ng		83
23) Phenanthrene	16.80	178	5256	0.359	ng		98
24) Anthracene	16.89	178	4330	0.400	ng		96
26) Fluoranthene	18.83	202	6488	0.460	ng		99
28) Pyrene	19.20	202	6674	0.328	ng		99
30) Benzo(a)anthracene	20.95	228	6970	0.428	ng		97
31) Chrysene	21.00	228	7733	0.363	ng		99
32) Bis(2-ethylhexyl)phthalate	20.92	149	7905	0.798	ng		100
33) Indeno(1,2,3-cd)pyrene	25.50	276	9331	0.688	ng	#	72
35) Benzo(b)fluoranthene	22.53	252	6983	0.366	ng	#	88
36) Benzo(k)fluoranthene	22.58	252	7842	0.293	ng		95
37) Benzo(a)pyrene	23.11	252	6481	0.373	ng		93
38) Dibenzo(a,h)anthracene	25.52	278	7922	0.534	ng		96
39) Benzo(g,h,i)perylene	26.20	276	8150	0.545	ng	#	91

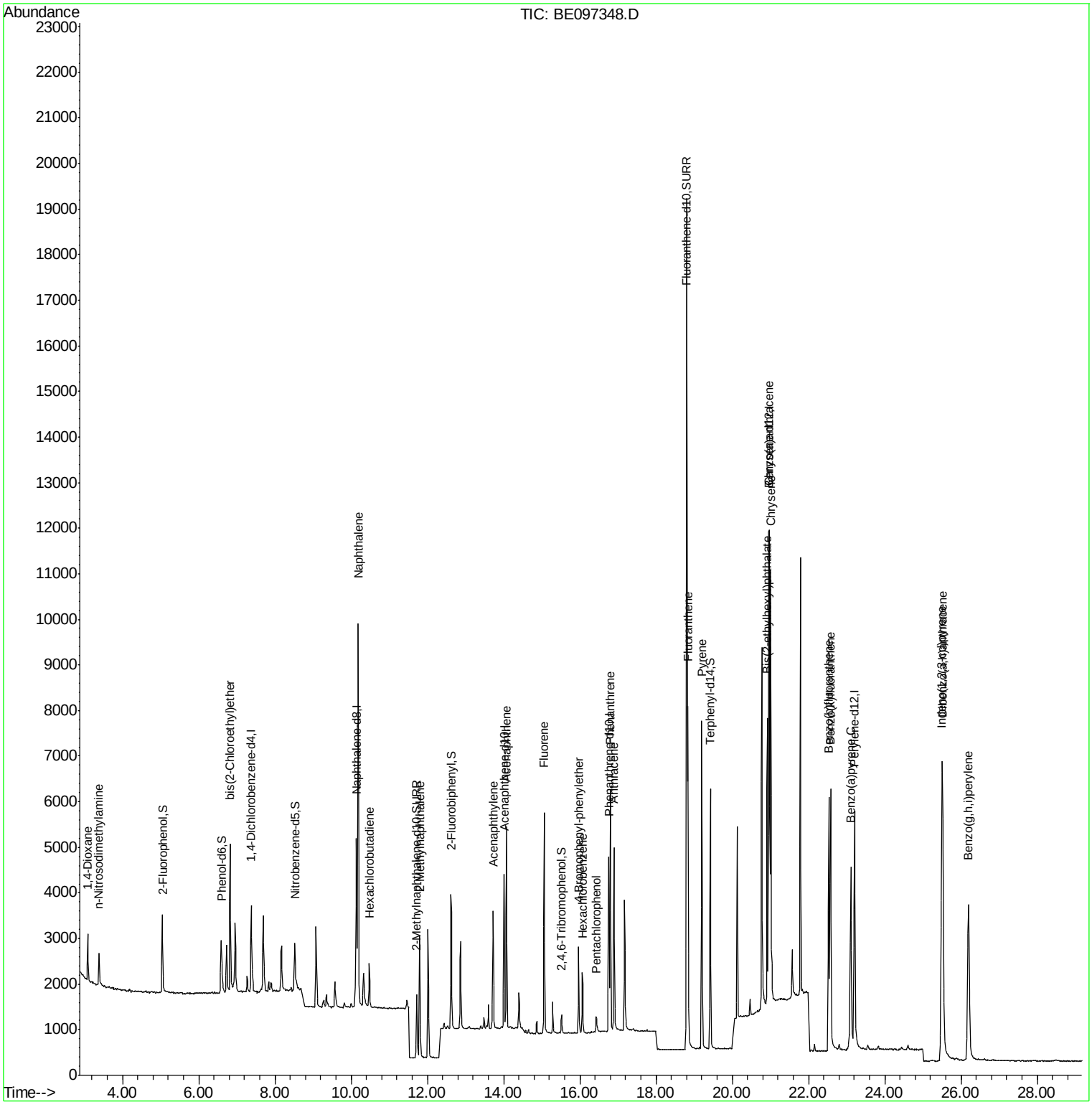
(#) = qualifier out of range (m) = manual integration (+) = signals summed

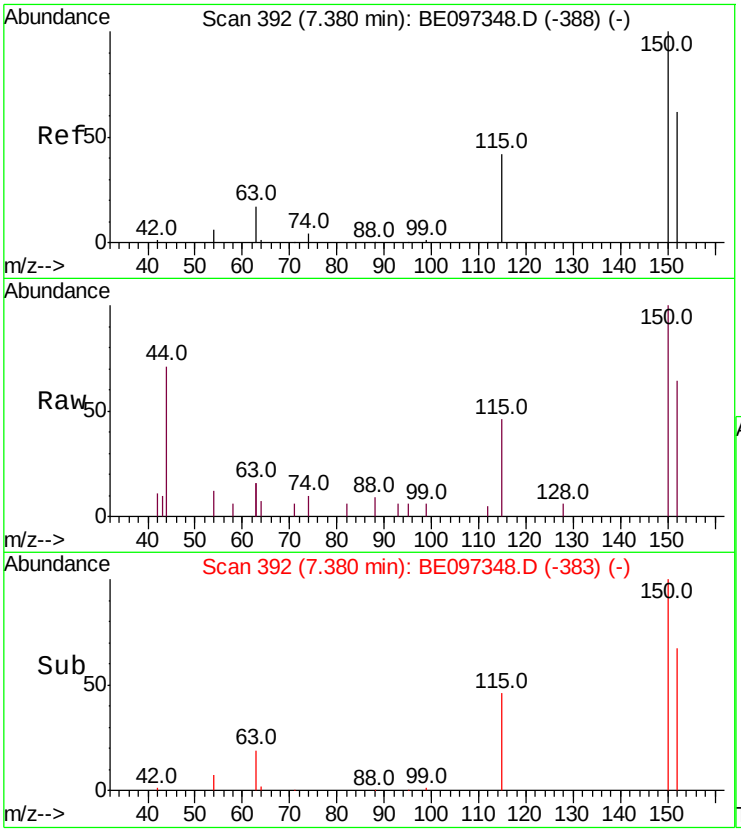
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE082218\
Data File : BE097348.D
Acq On : 22 Aug 2018 15:26
Operator : SJ/JU
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Aug 22 16:06:45 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE082218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 16:06:11 2018
Response via : Initial Calibration



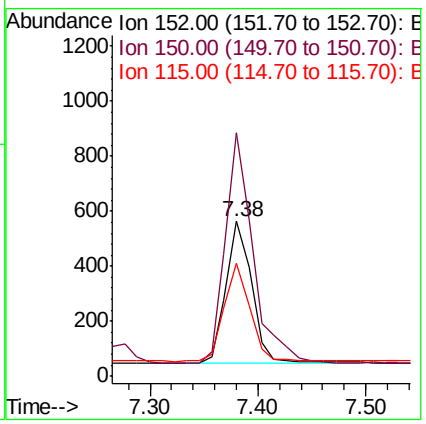


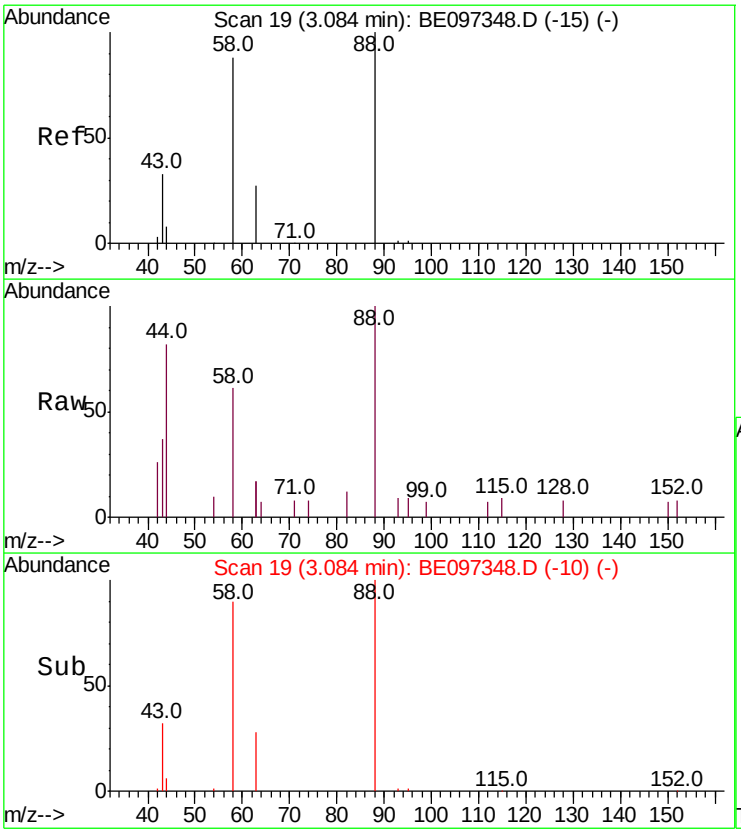
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 856

Ion	Ratio	Lower	Upper
152	100		
150	157.2	117.2	175.8
115	73.0	57.0	85.6

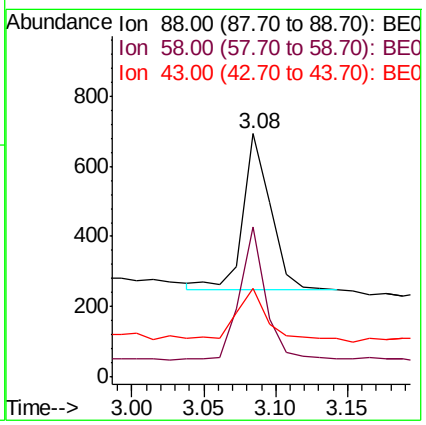


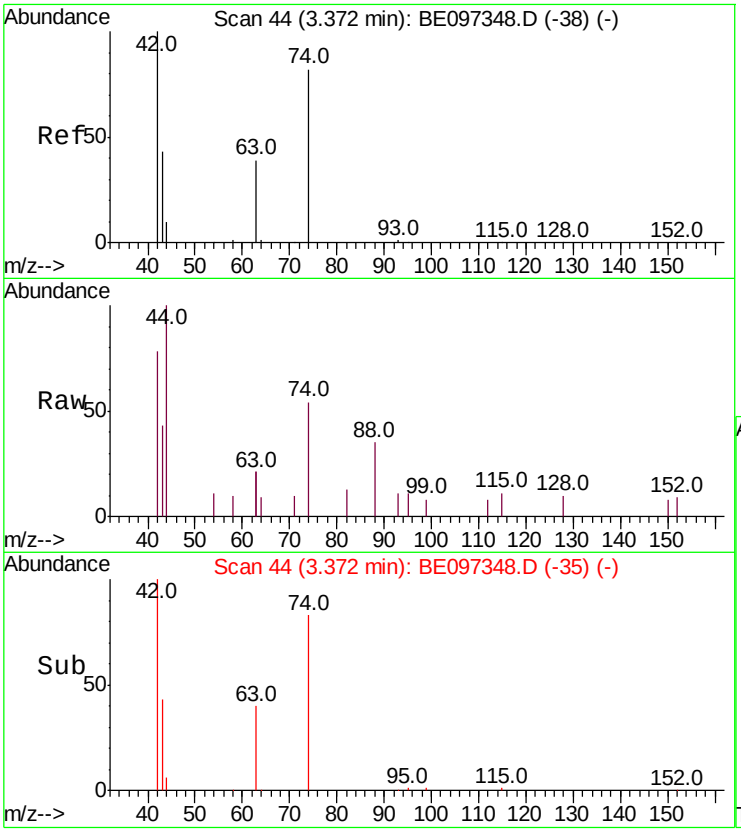


#2
1,4-Dioxane
Concen: 0.438 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion: 88 Resp: 594

Ion	Ratio	Lower	Upper
88	100		
58	78.5	63.2	94.8
43	31.8	41.2	61.8#



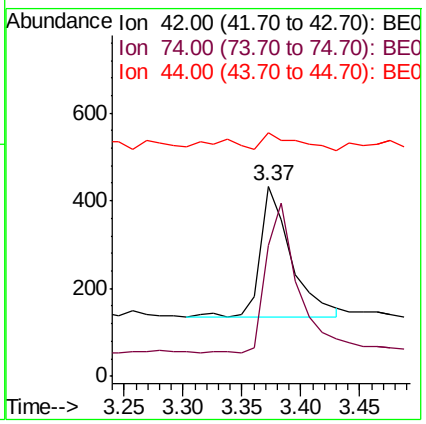


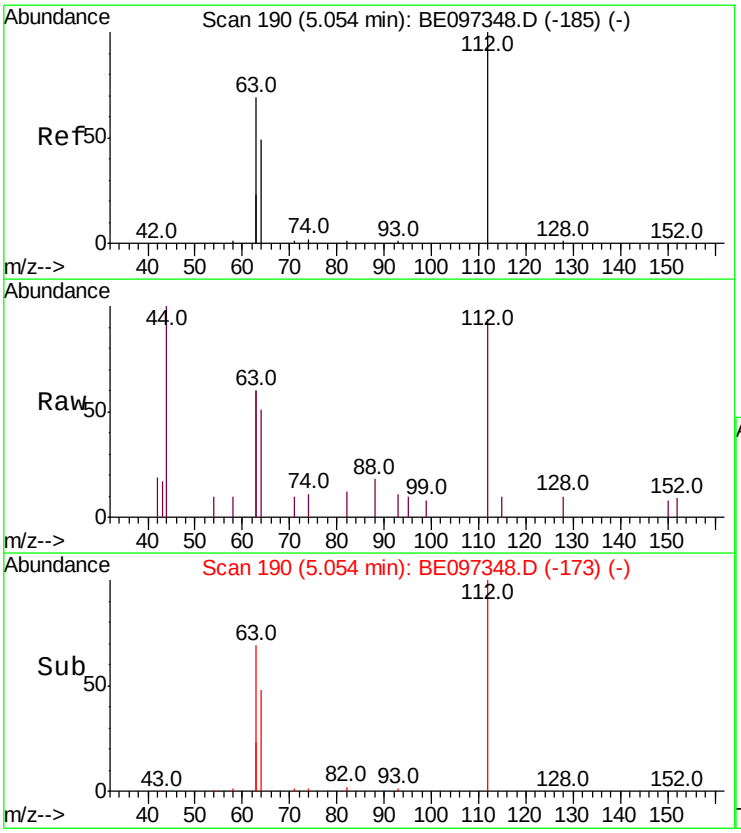
#3
n-Nitrosodimethylamine
Concen: 0.454 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 538

Ion	Ratio	Lower	Upper
42	100		
74	117.8	96.0	144.0
44	14.3	12.0	18.0

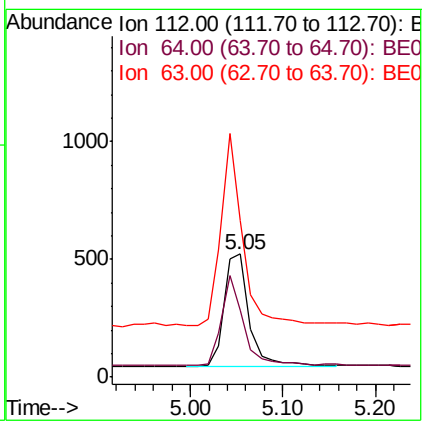


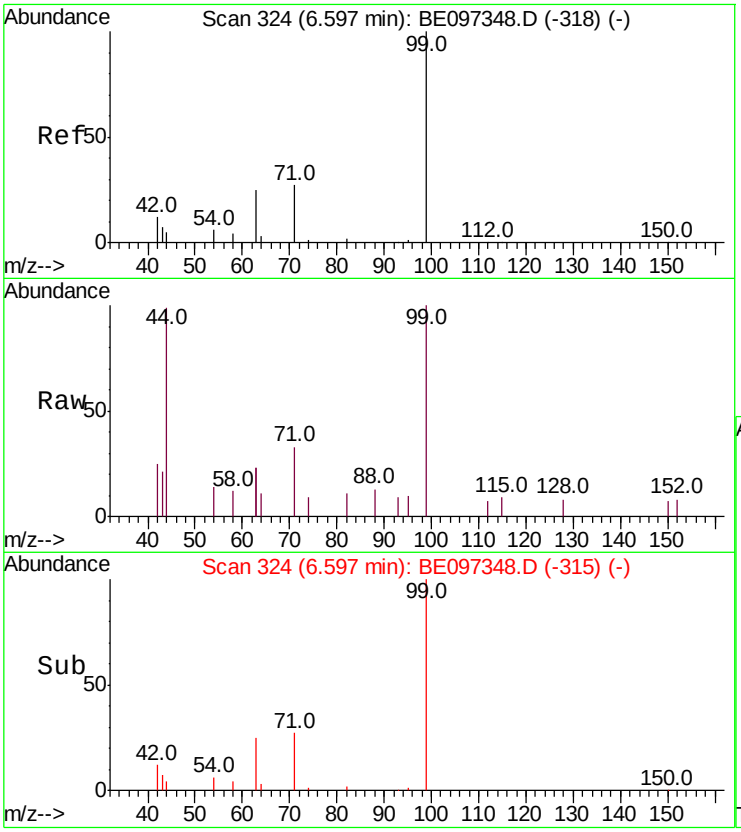


#4
2-Fluorophenol
Concen: 0.464 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:112 Resp: 910

Ion	Ratio	Lower	Upper
112	100		
64	67.8	60.1	90.1
63	141.6	116.8	175.2



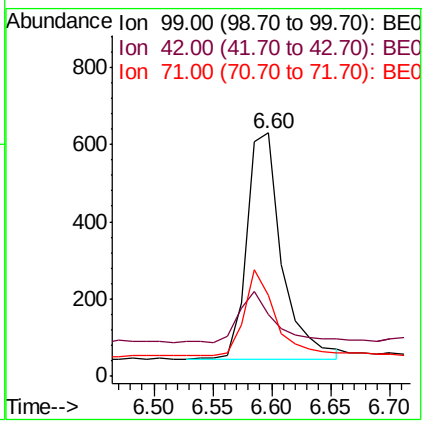


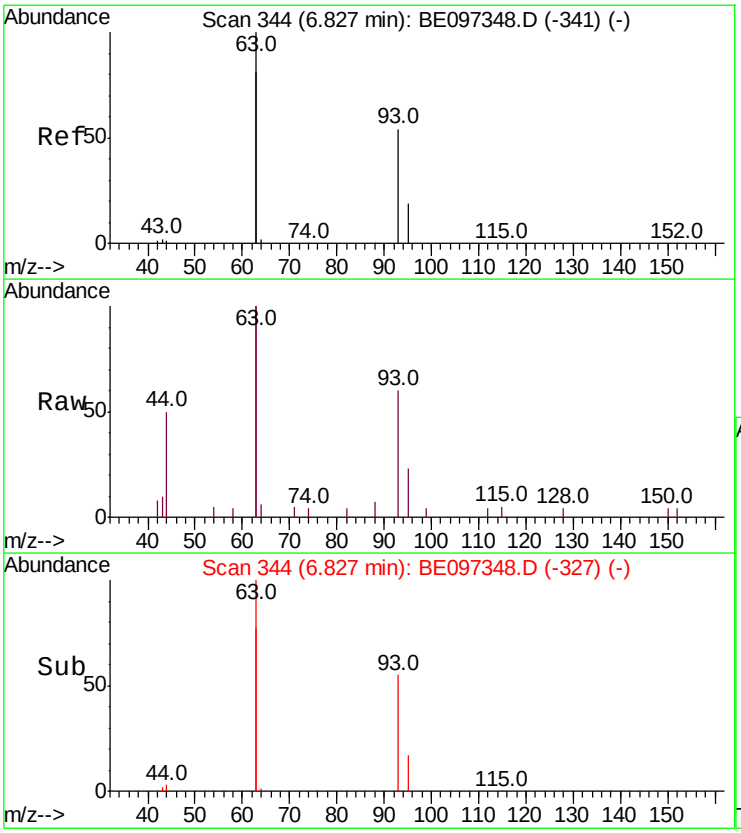
#5
Phenol-d6
Concen: 0.418 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 1217

Ion	Ratio	Lower	Upper
99	100		
42	22.3	20.2	30.2
71	33.6	28.4	42.6

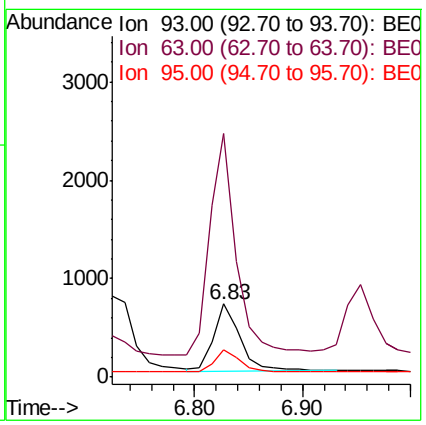


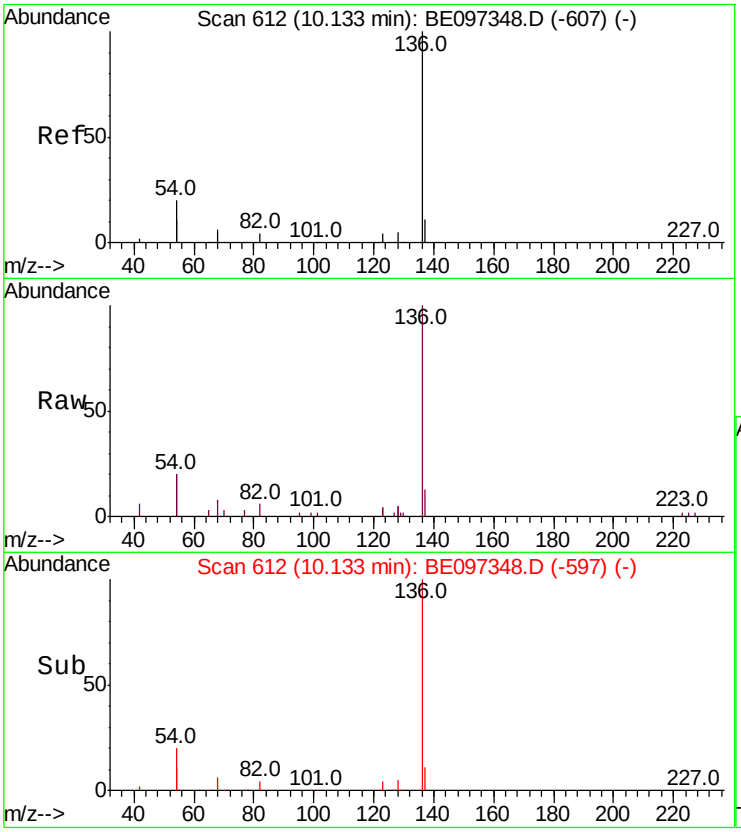


#6
bis(2-Chloroethyl)ether
Concen: 0.402 ng
RT: 6.83 min Scan# 344
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion: 93 Resp: 1164

Ion	Ratio	Lower	Upper
93	100		
63	332.6	275.3	412.9
95	35.6	25.2	37.8



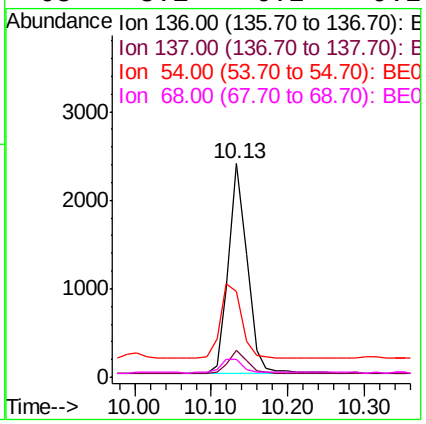


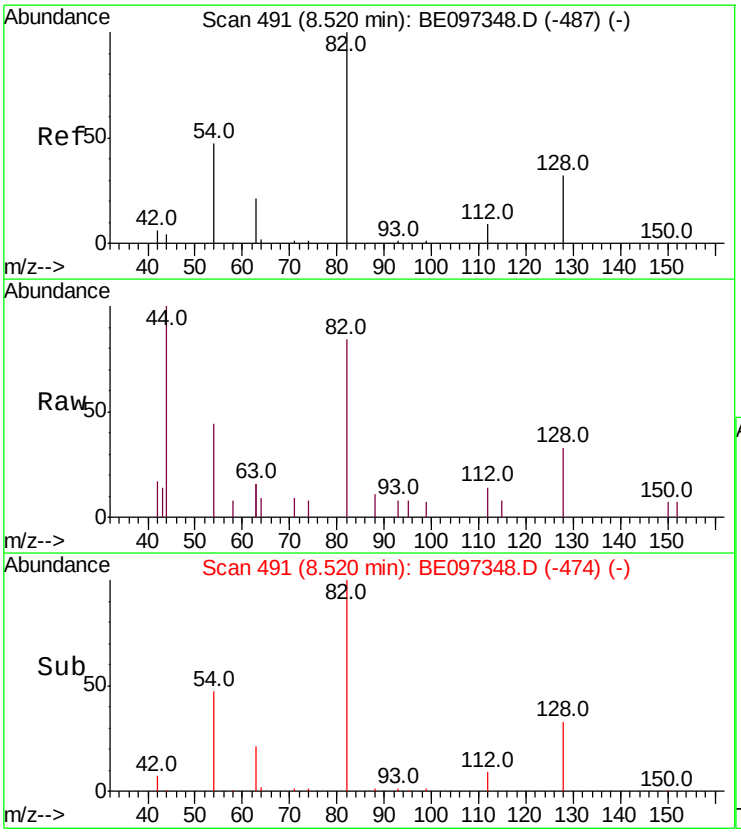
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 4010

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	40.0	29.1	43.7
68	8.1	6.2	9.2

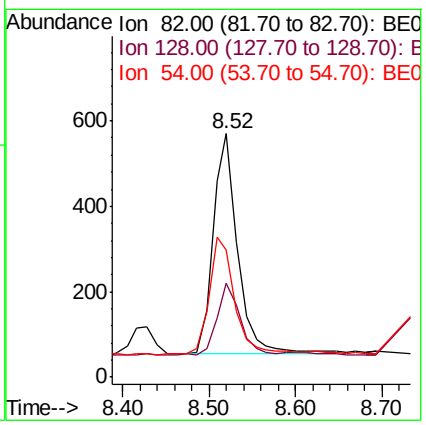


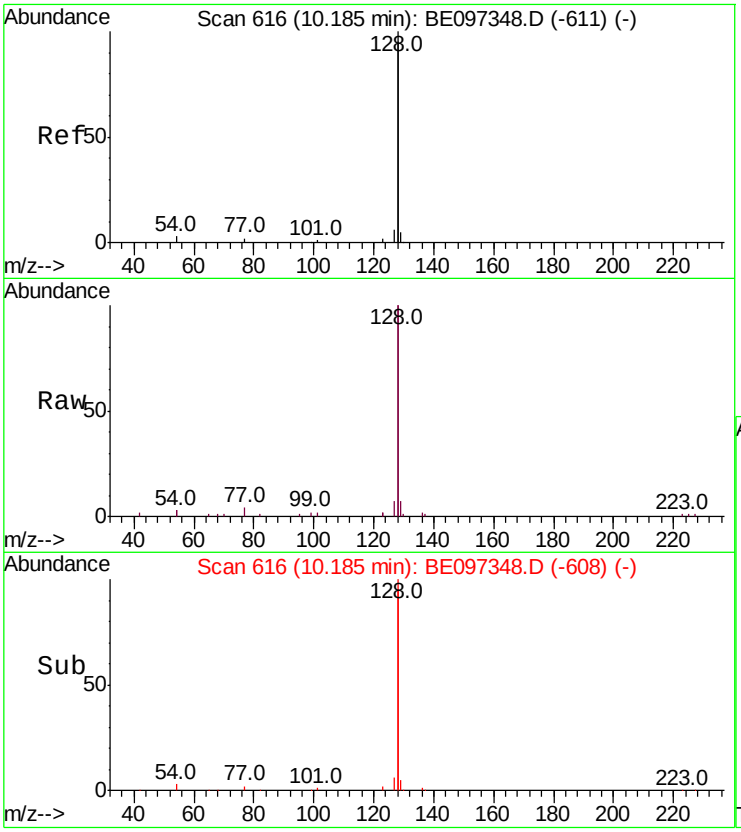


#8
Nitrobenzene-d5
Concen: 0.599 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion: 82 Resp: 1028

Ion	Ratio	Lower	Upper
82	100		
128	38.8	24.0	36.0#
54	52.5	40.0	60.0



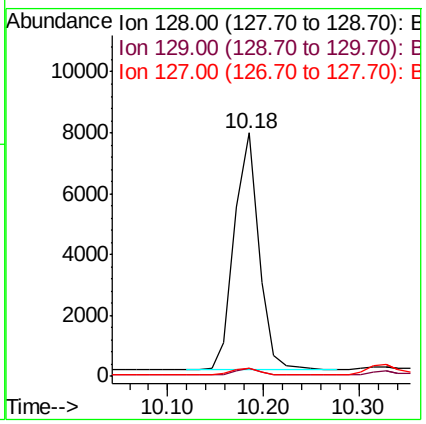


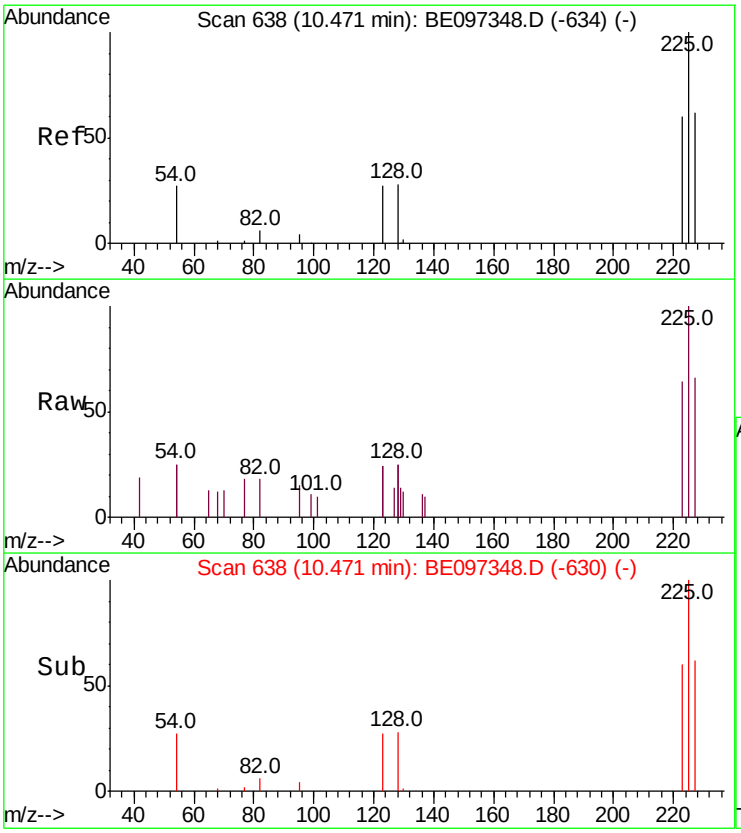
#9
Naphthalene
Concen: 0.375 ng
RT: 10.18 min Scan# 616
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 13771

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.5	2.8	4.2

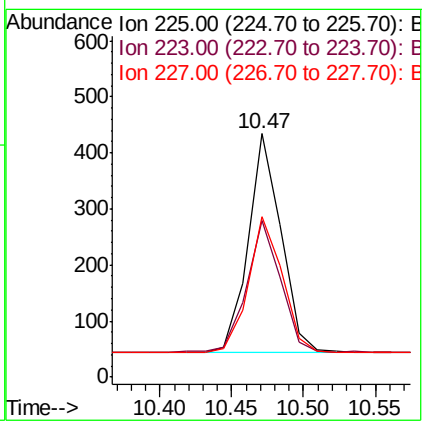


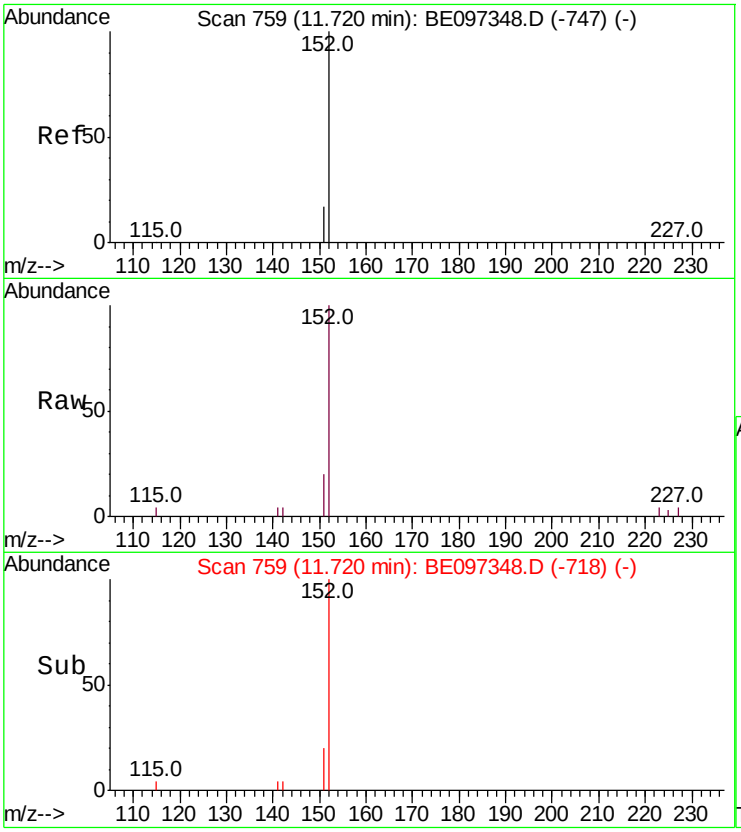


#10
Hexachlorobutadiene
Concen: 0.383 ng
RT: 10.47 min Scan# 638
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:225 Resp: 619

Ion	Ratio	Lower	Upper
225	100		
223	61.2	53.0	79.6
227	64.0	51.4	77.2



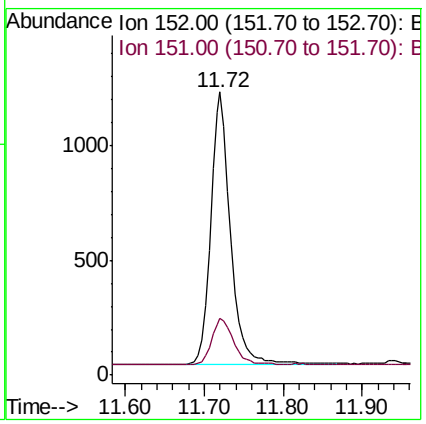


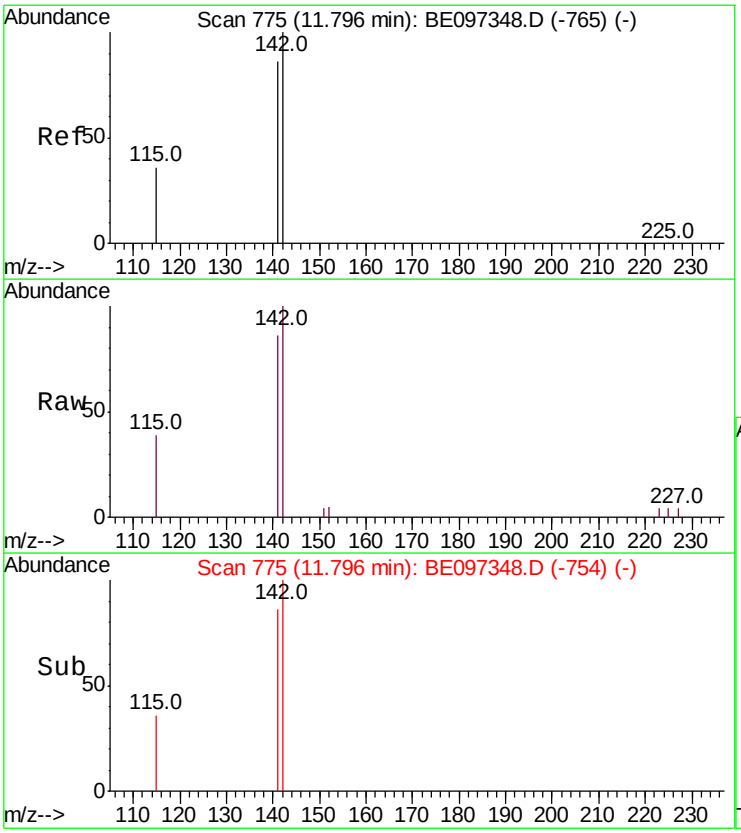
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 11.72 min Scan# 759
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2071

Ion	Ratio	Lower	Upper
152	100		
151	18.3	15.4	23.0

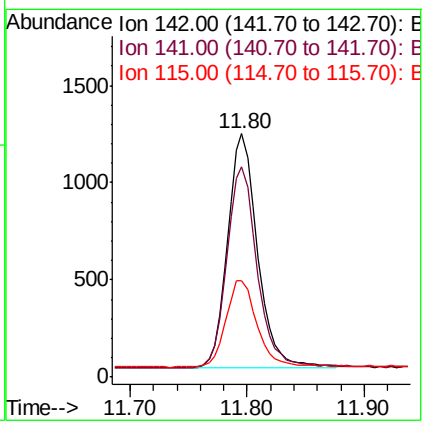


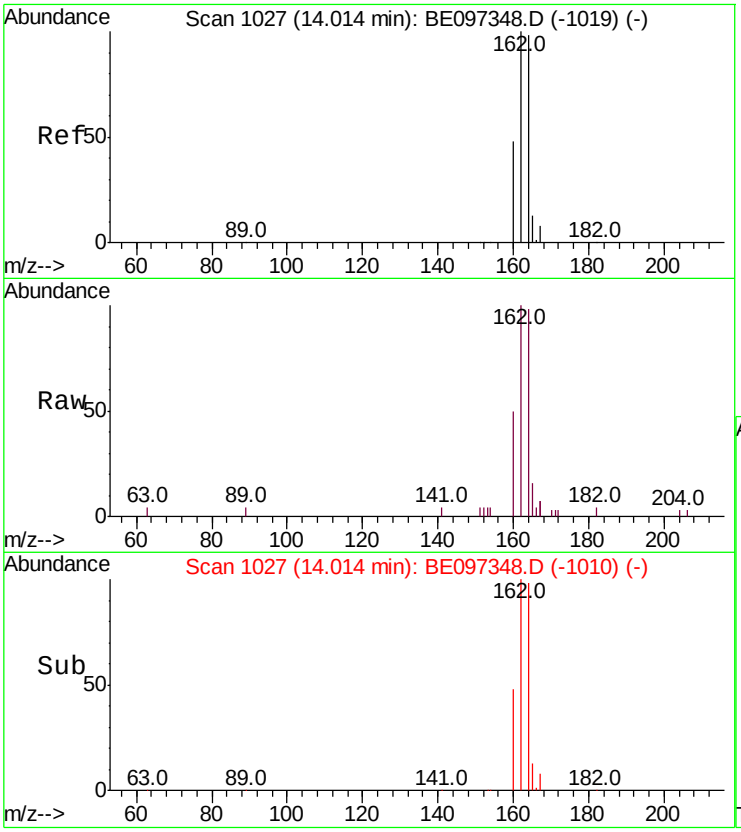


#12
2-Methylnaphthalene
Concen: 0.387 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:142 Resp: 2144

Ion	Ratio	Lower	Upper
142	100		
141	86.3	70.4	105.6
115	39.3	31.7	47.5



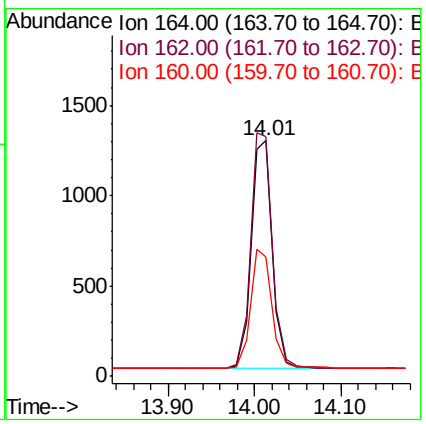


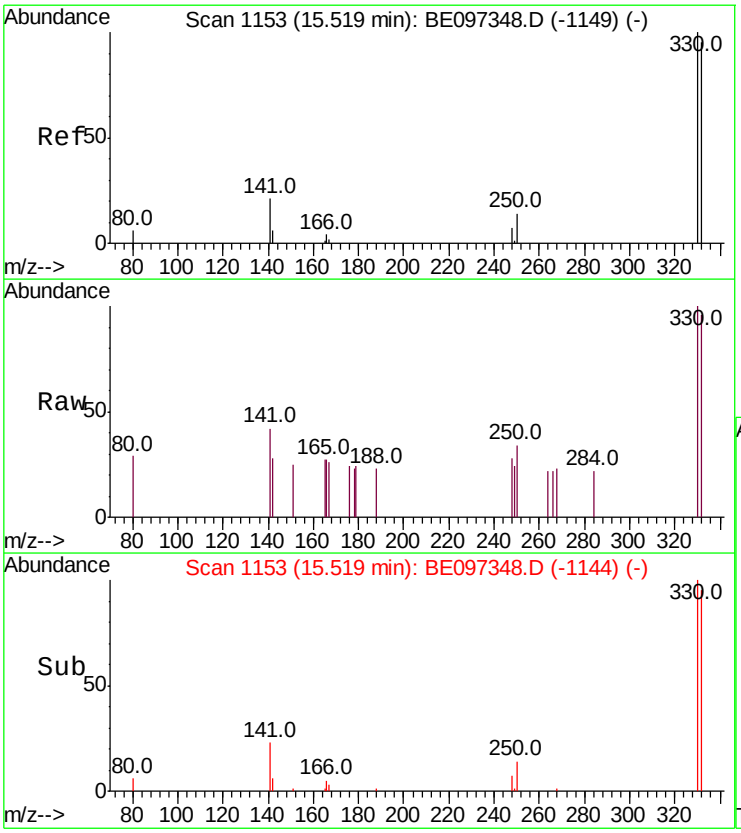
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 2166

Ion	Ratio	Lower	Upper
164	100		
162	101.8	83.1	124.7
160	50.6	37.1	55.7

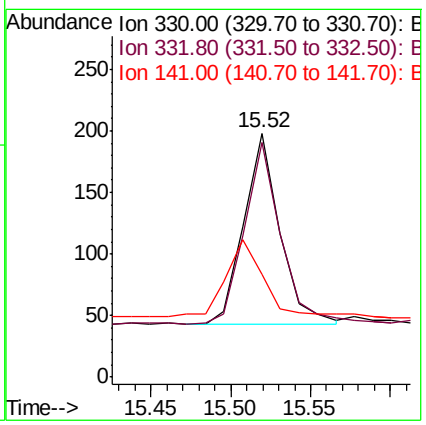


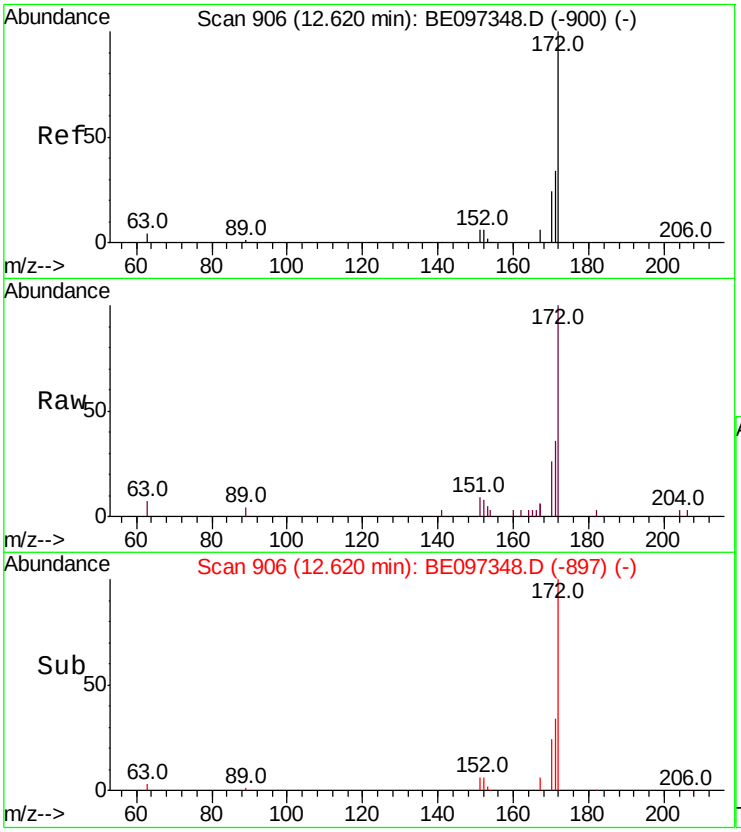


#14
2,4,6-Tribromophenol
Concen: 0.678 ng
RT: 15.52 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:330 Resp: 242

Ion	Ratio	Lower	Upper
330	100		
332	97.5	152.7	229.1#
141	41.3	33.7	50.5



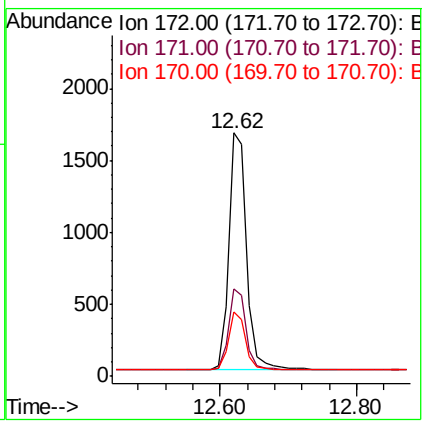


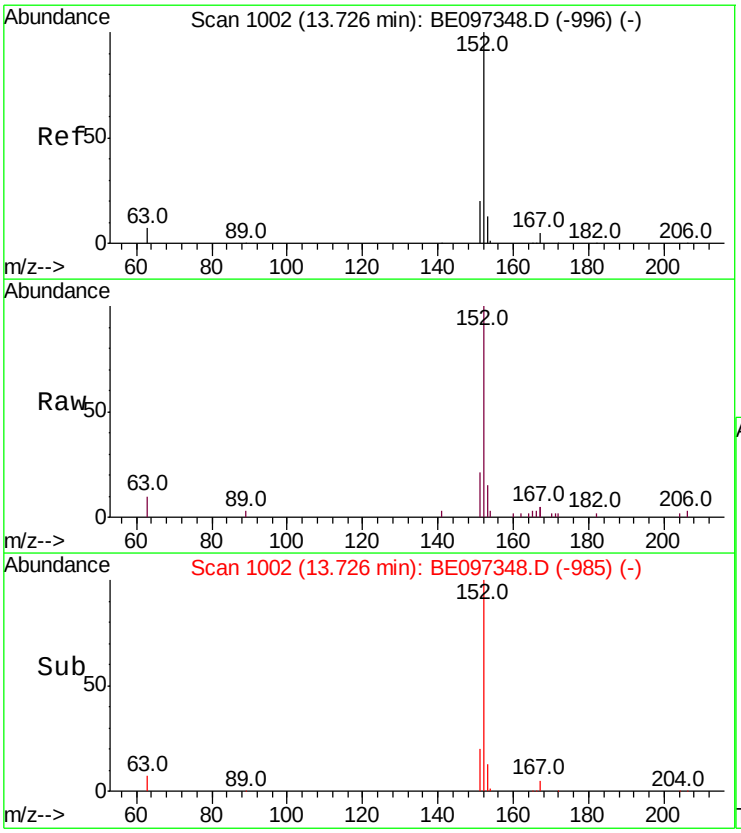
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 12.62 min Scan# 906
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 3026

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.9	44.9
170	26.4	21.8	32.8

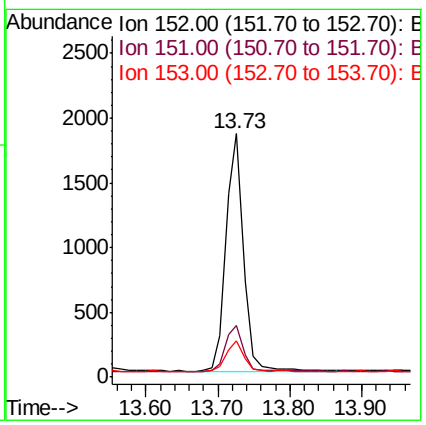


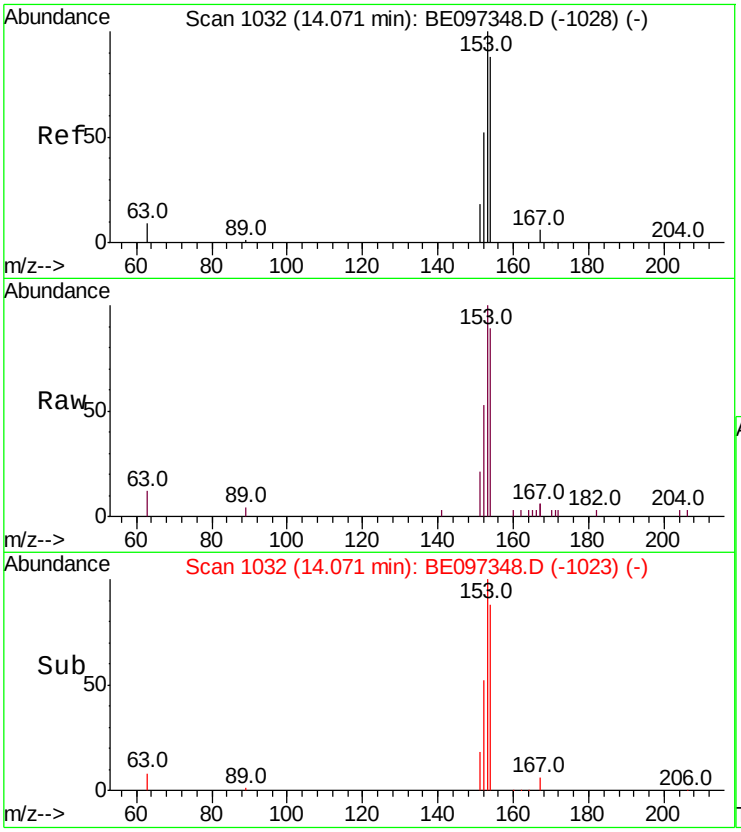


#16
Acenaphthylene
Concen: 0.374 ng
RT: 13.73 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:152 Resp: 3082

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	12.7	10.5	15.7



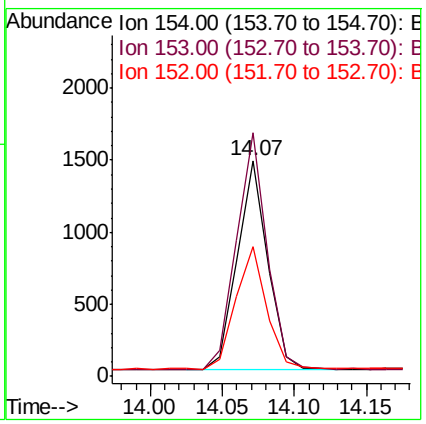


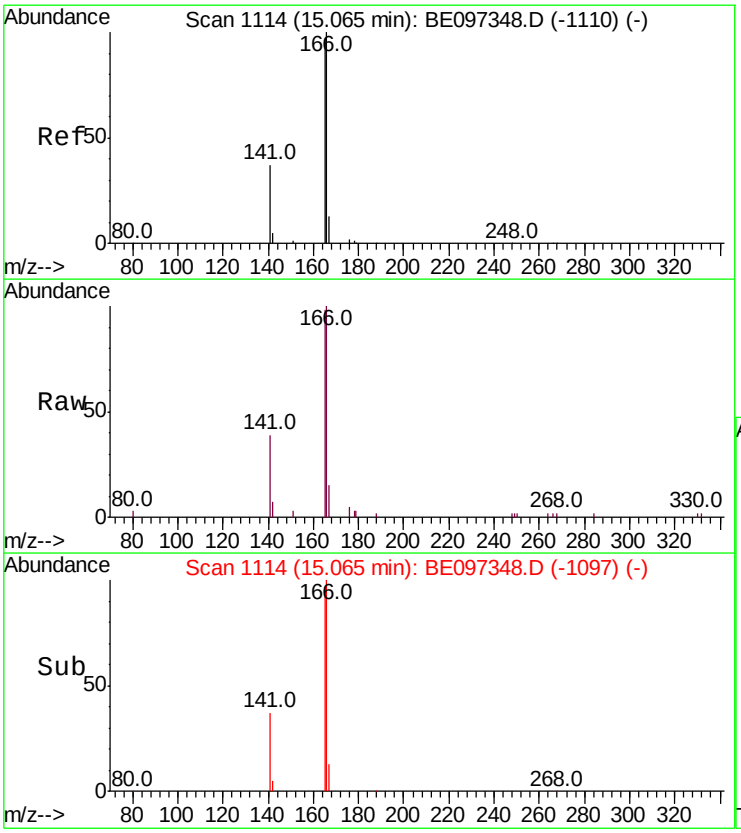
#17
Acenaphthene
Concen: 0.363 ng
RT: 14.07 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 2112

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.2	133.8
152	59.3	42.0	63.0

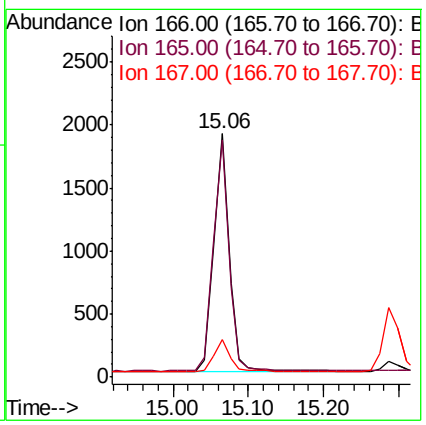


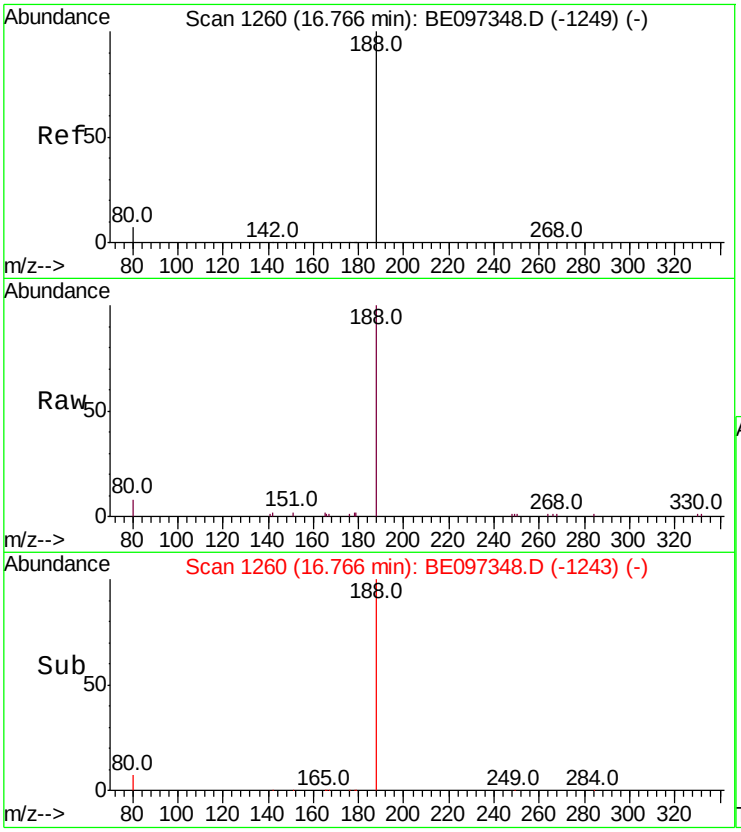


#18
Fluorene
Concen: 0.376 ng
RT: 15.06 min Scan# 1114
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:166 Resp: 2673

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.6
167	13.4	42.4	63.6#



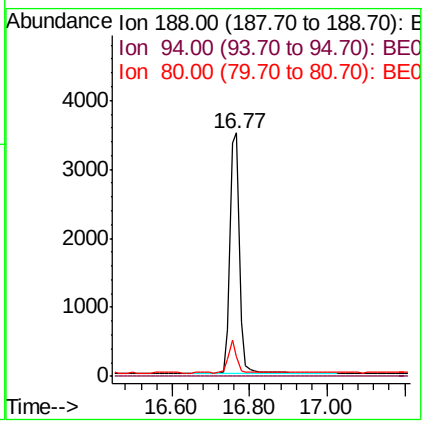


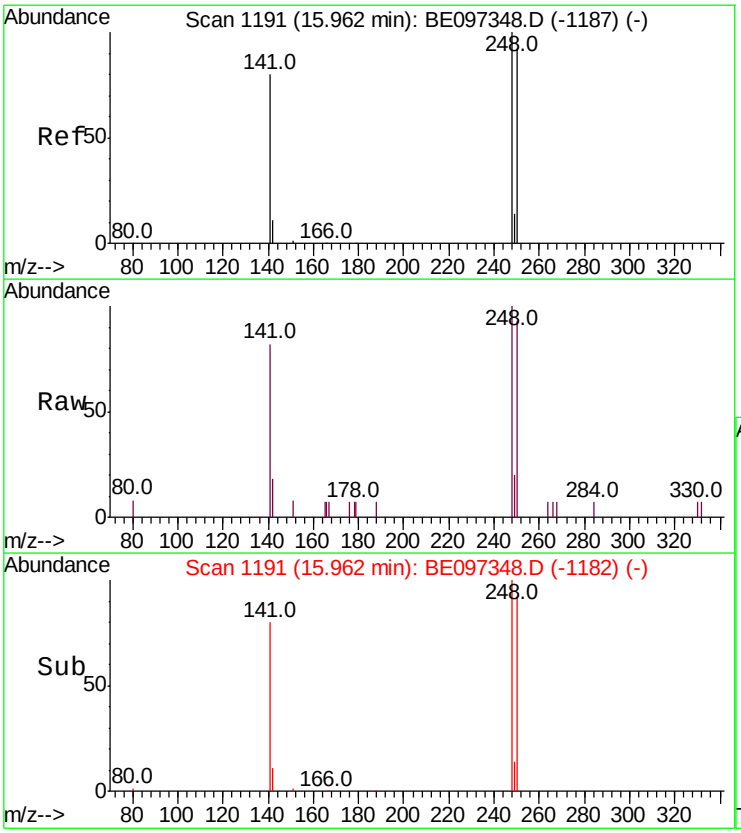
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 6000

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.1	3.6	5.4#

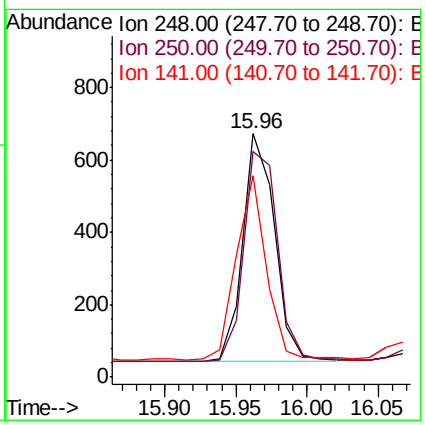


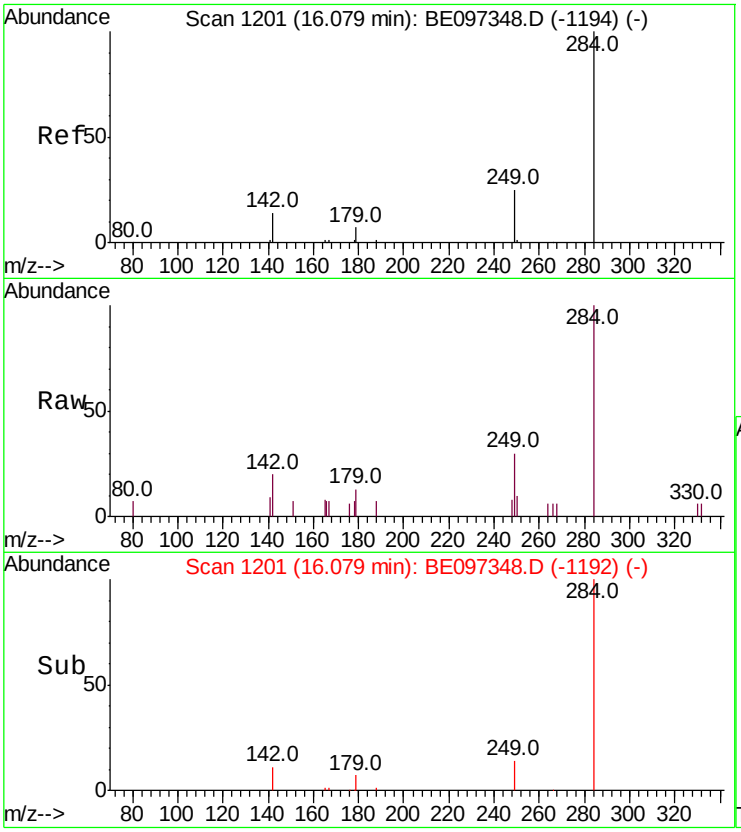


#20
4-Bromophenyl-phenylether
Concen: 0.361 ng
RT: 15.96 min Scan# 1191
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:248 Resp: 978

Ion	Ratio	Lower	Upper
248	100		
250	92.9	62.7	94.1
141	82.5	48.2	72.2#



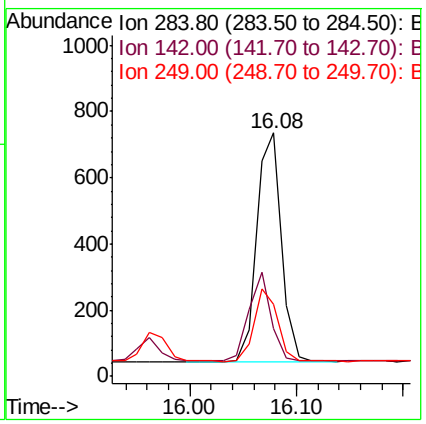


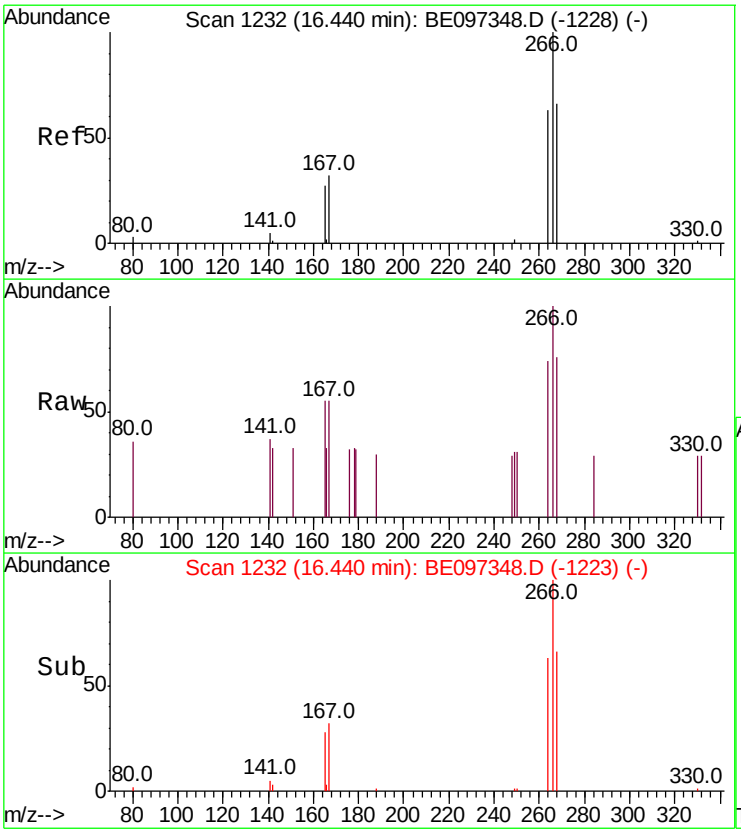
#21
Hexachlorobenzene
Concen: 0.306 ng
RT: 16.08 min Scan# 1201
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 1112

Ion	Ratio	Lower	Upper
284	100		
142	34.4	22.1	33.1#
249	30.4	34.8	52.2#

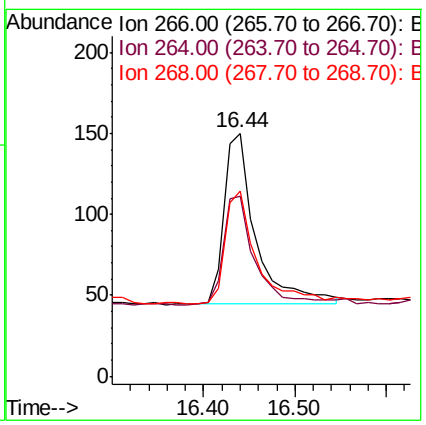


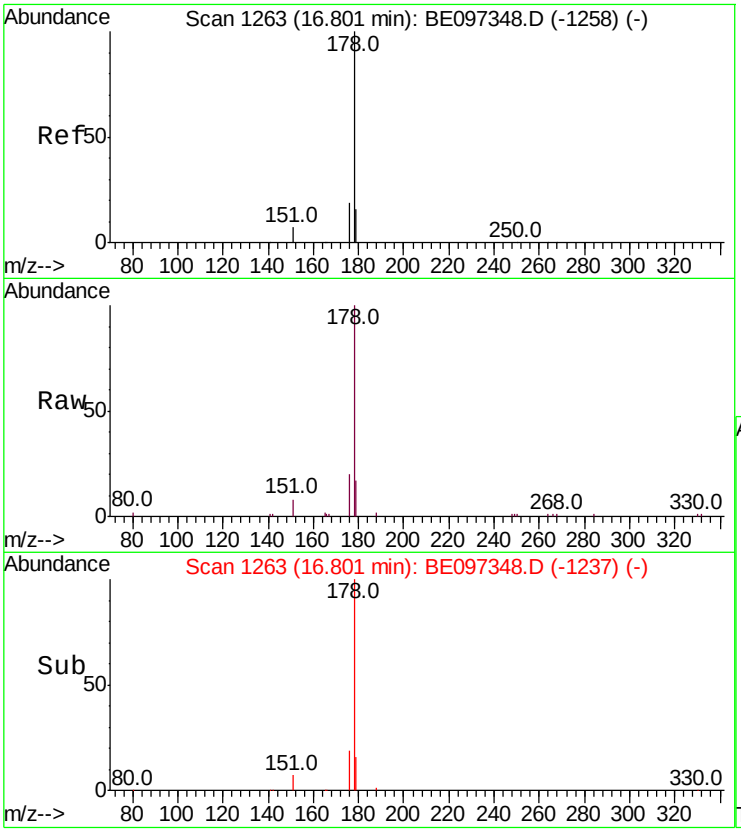


#22
Pentachlorophenol
Concen: 0.701 ng
RT: 16.44 min Scan# 1232
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:266 Resp: 250

Ion	Ratio	Lower	Upper
266	100		
264	74.0	72.5	108.7
268	76.0	73.8	110.6



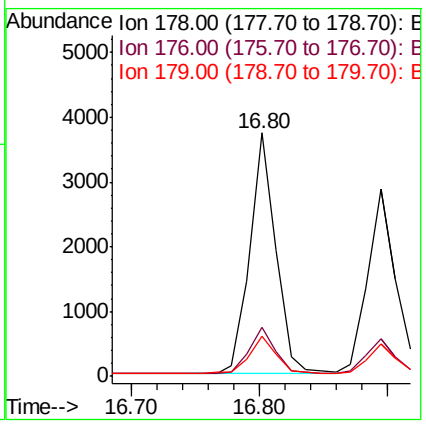


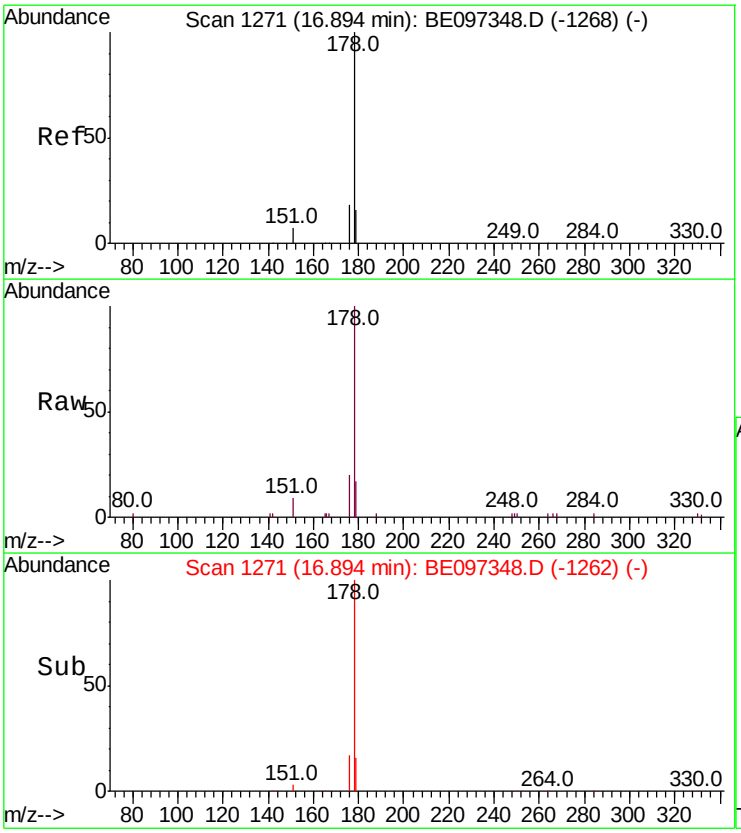
#23
Phenanthrene
Concen: 0.359 ng
RT: 16.80 min Scan# 1263
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 5256

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.7	11.8	17.6

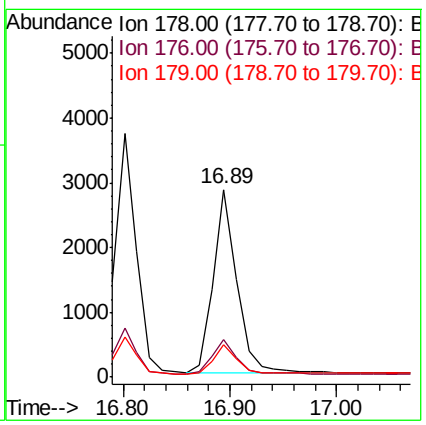


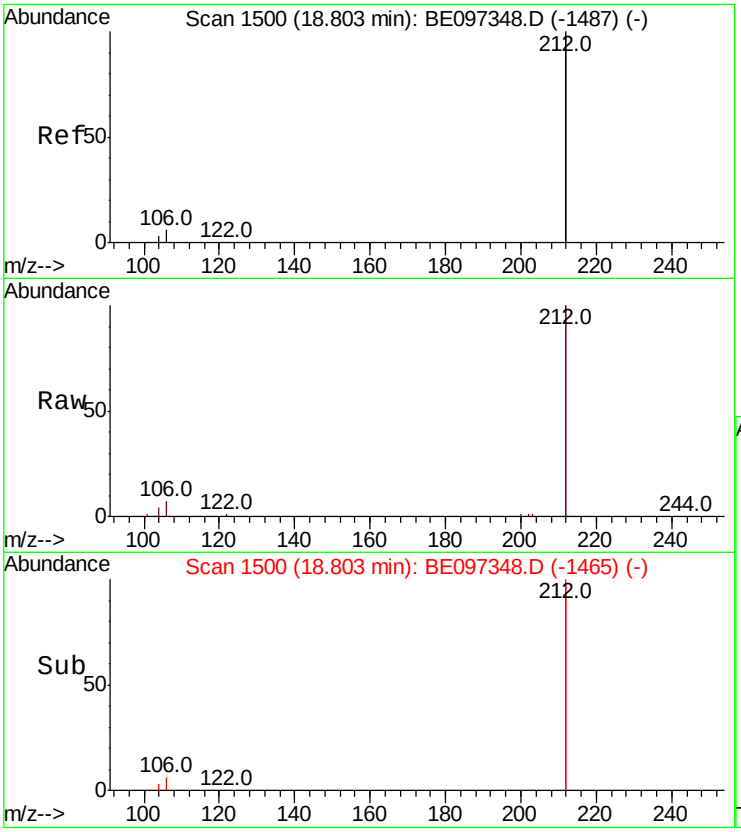


#24
Anthracene
Concen: 0.400 ng
RT: 16.89 min Scan# 1271
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:178 Resp: 4330

Ion	Ratio	Lower	Upper
178	100		
176	19.0	12.8	19.2
179	15.9	13.0	19.6



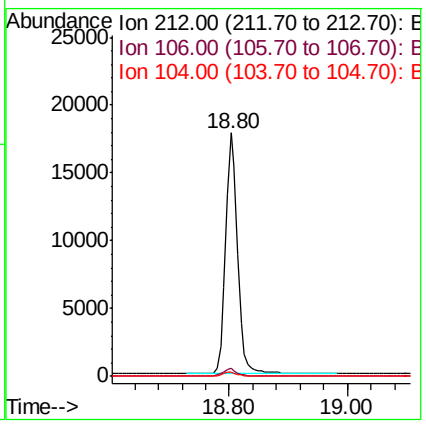


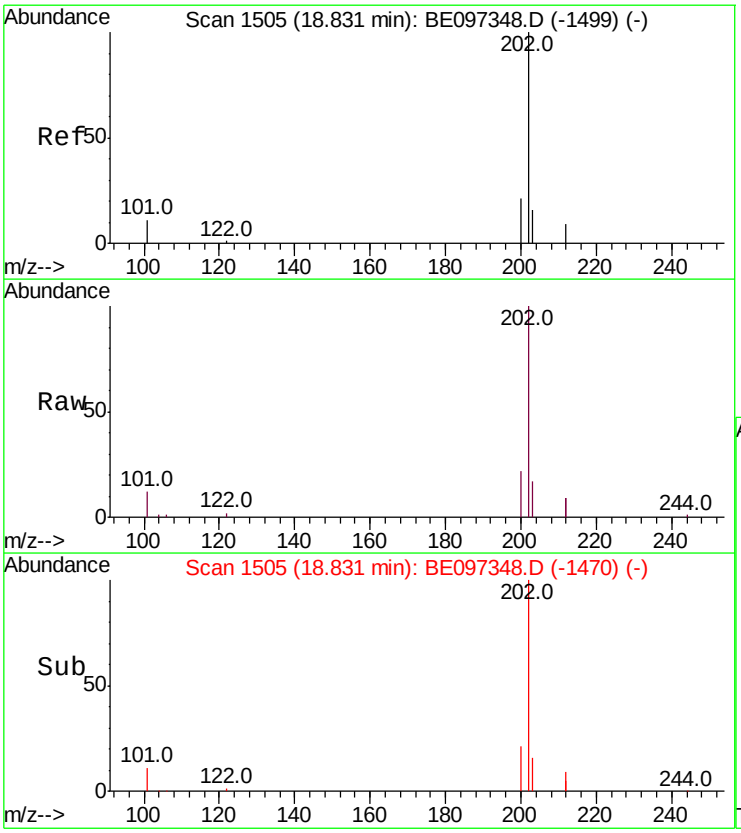
#25
Fluoranthene-d10
Concen: 0.467 ng
RT: 18.80 min Scan# 1500
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 24987

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

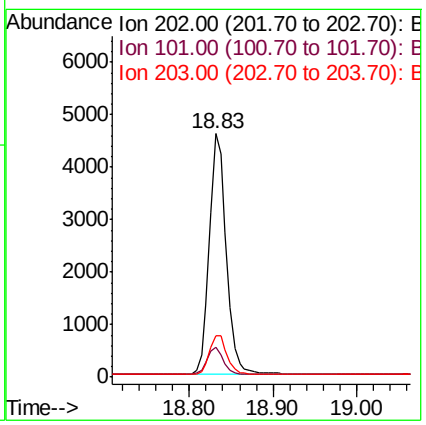


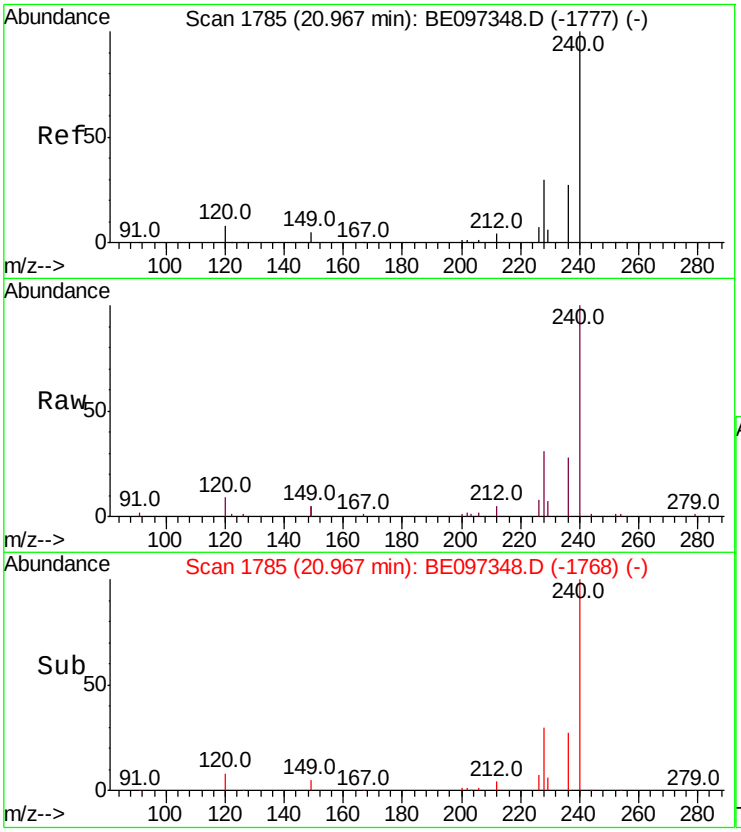


#26
Fluoranthene
Concen: 0.460 ng
RT: 18.83 min Scan# 1505
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:202 Resp: 6488

Ion	Ratio	Lower	Upper
202	100		
101	11.2	9.8	14.8
203	17.0	13.7	20.5



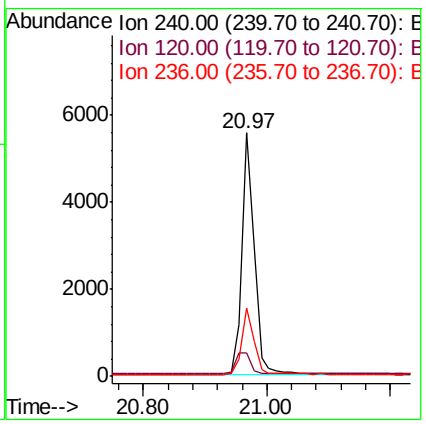


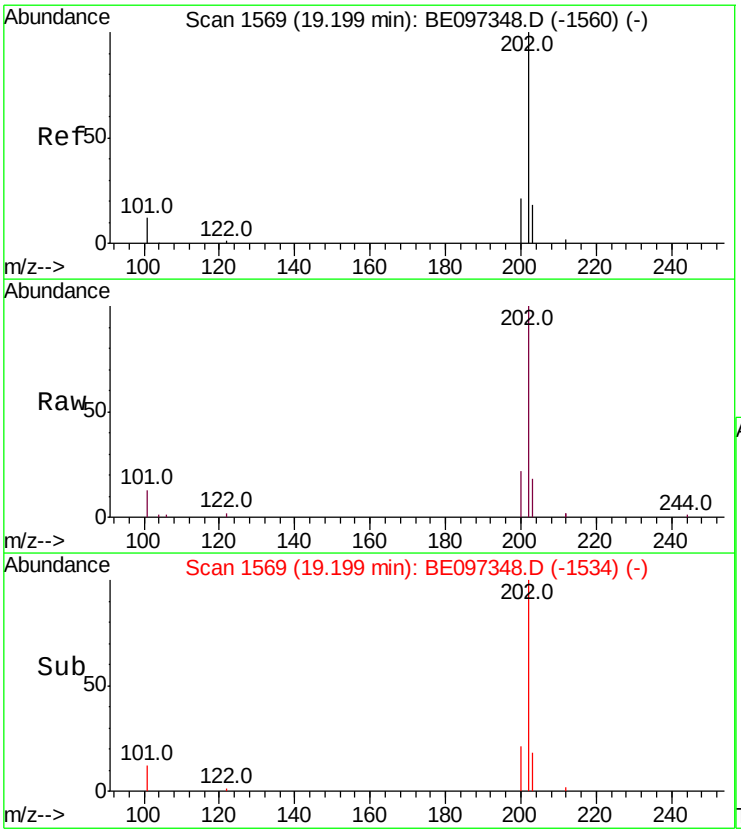
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 7570

Ion	Ratio	Lower	Upper
240	100		
120	9.5	5.5	8.3#
236	28.1	20.7	31.1

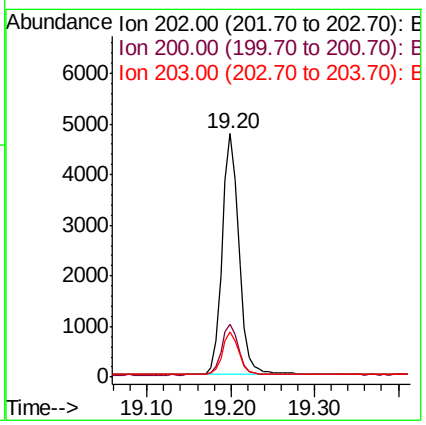


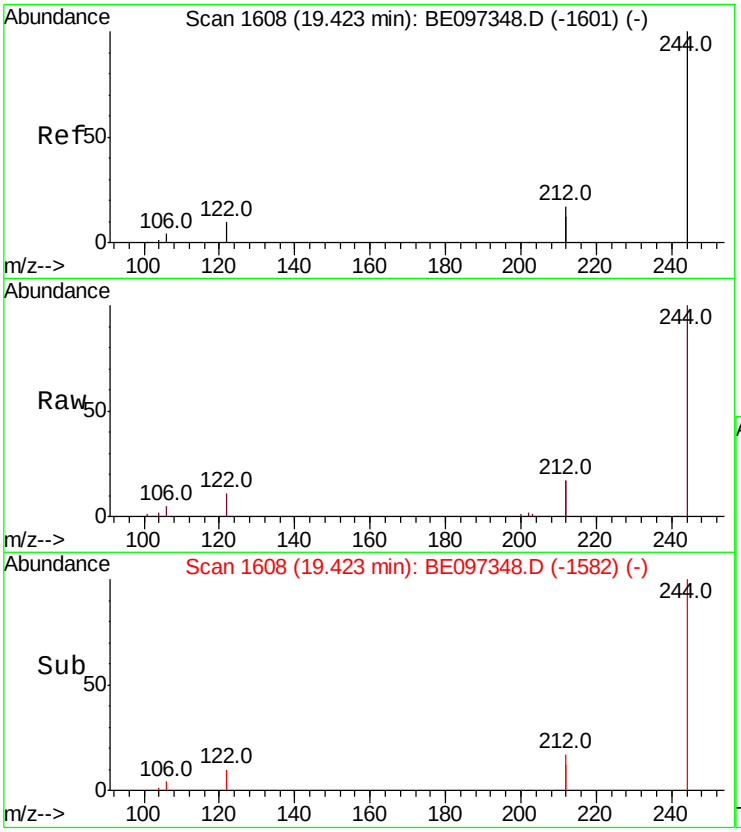


#28
Pyrene
Concen: 0.328 ng
RT: 19.20 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:202 Resp: 6674

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	17.5	13.8	20.8



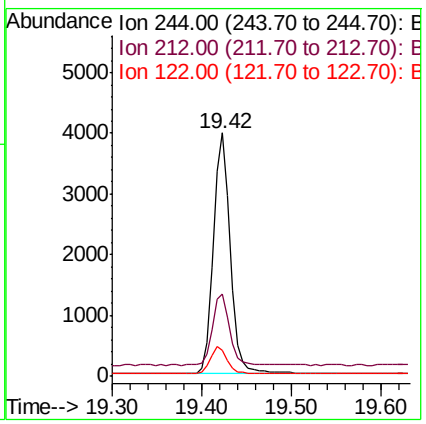


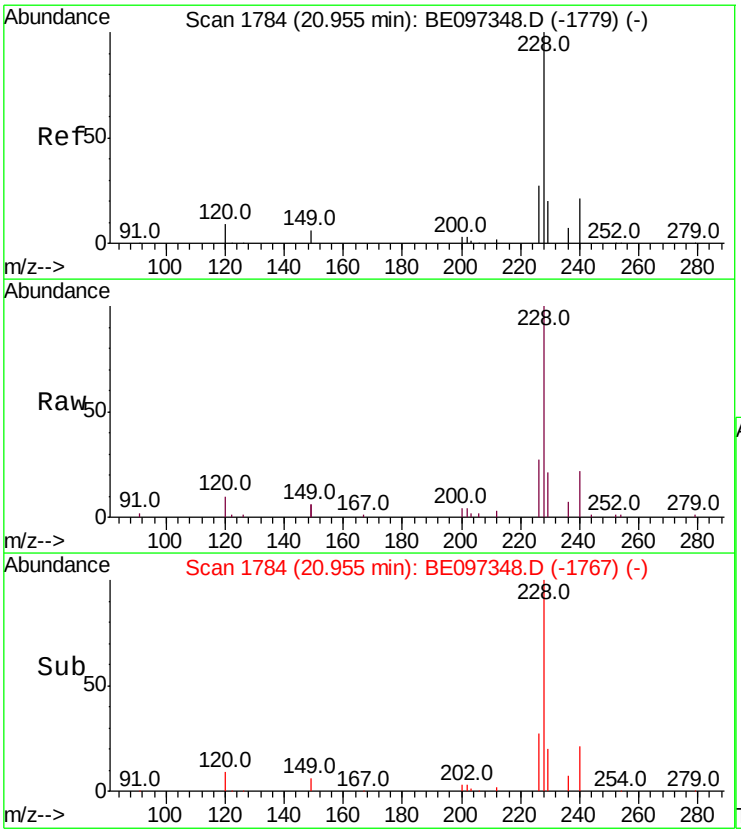
#29
Terphenyl-d14
Concen: 0.342 ng
RT: 19.42 min Scan# 1608
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 5188

Ion	Ratio	Lower	Upper
244	100		
212	33.6	25.4	38.0
122	10.8	8.1	12.1

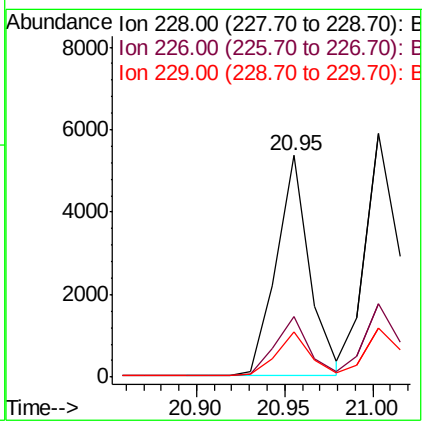


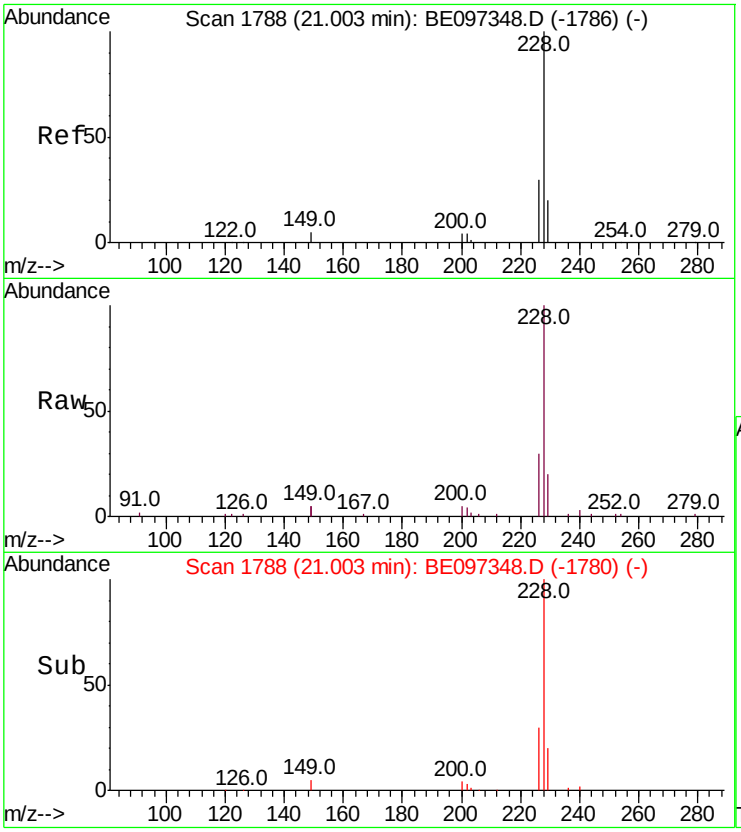


#30
Benzo(a)anthracene
Concen: 0.428 ng
RT: 20.95 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:228 Resp: 6970

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.0	36.0
229	20.6	16.0	24.0



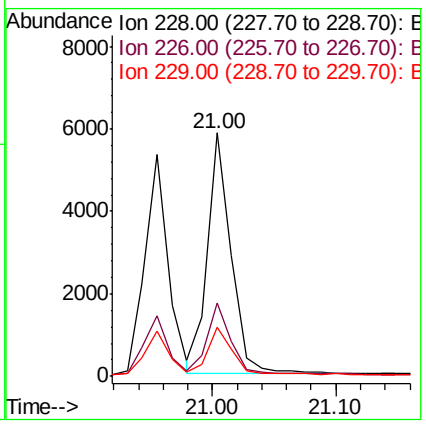


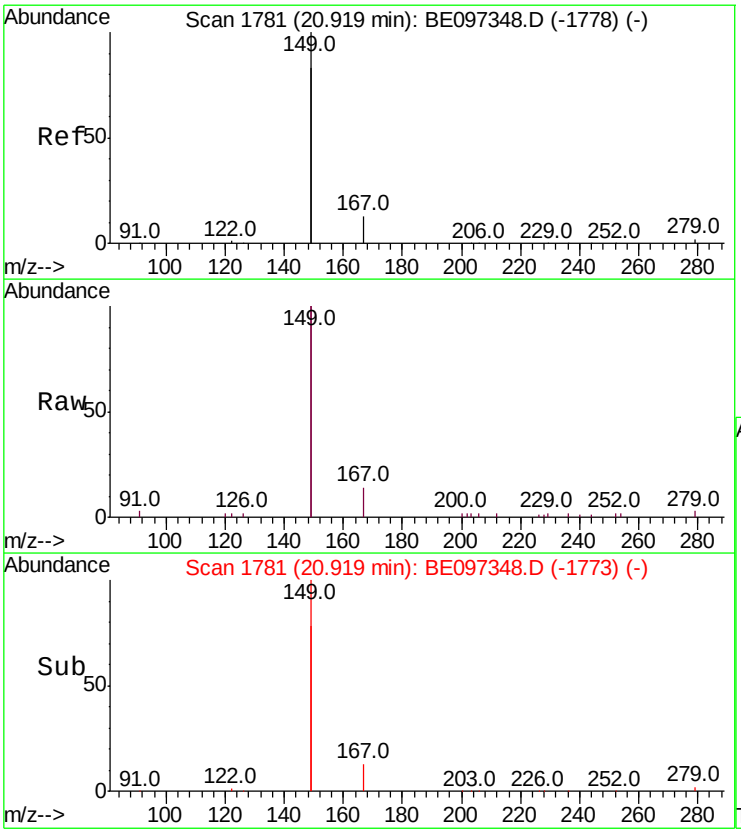
#31
Chrysene
Concen: 0.363 ng
RT: 21.00 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 7733

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.0	36.0
229	20.3	16.0	24.0

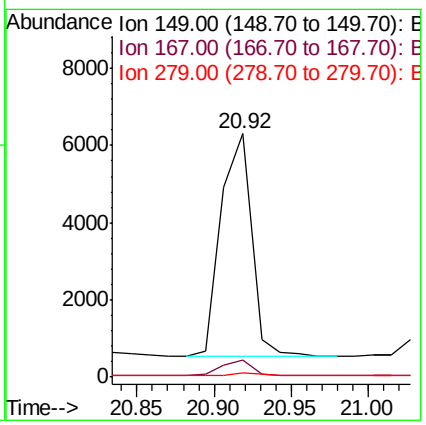


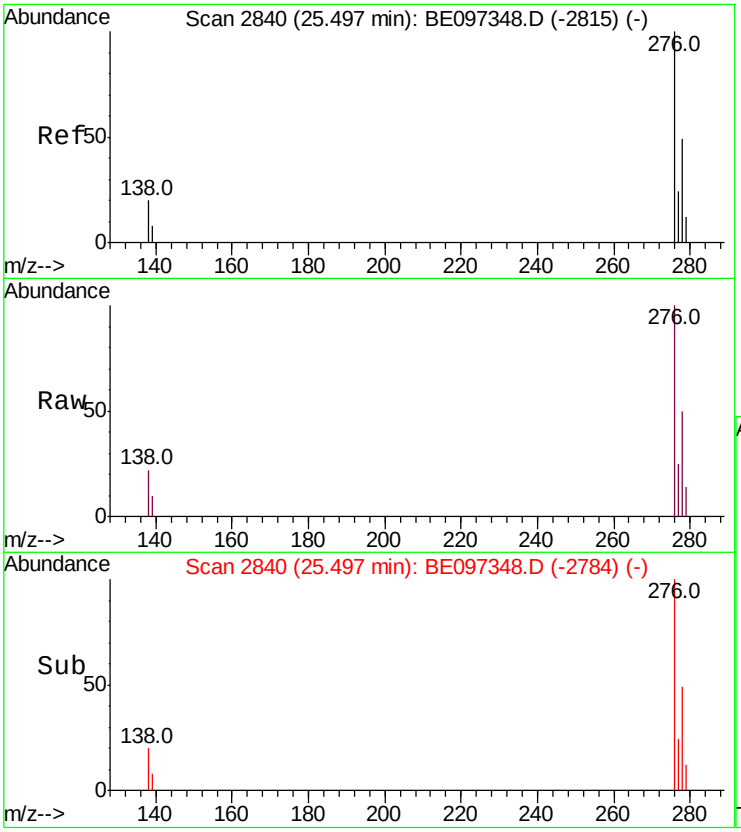


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.798 ng
RT: 20.92 min Scan# 1781
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:149 Resp: 7905

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.0
279	1.0	0.7	1.1



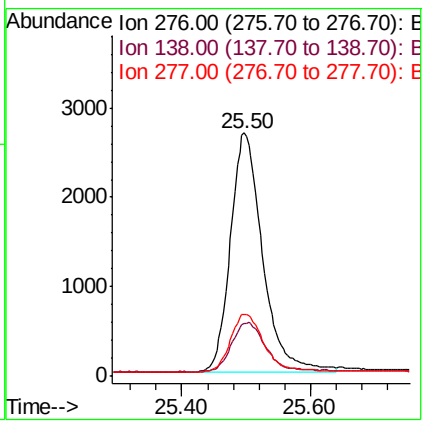


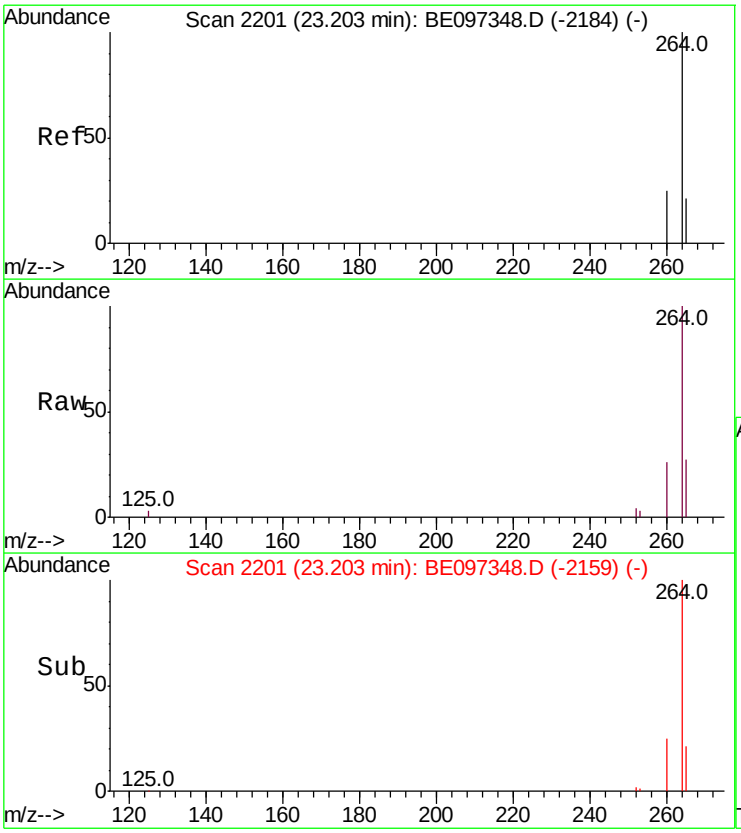
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.688 ng
RT: 25.50 min Scan# 2840
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 9331

Ion	Ratio	Lower	Upper
276	100		
138	0.0	22.5	33.7#
277	25.0	19.9	29.9

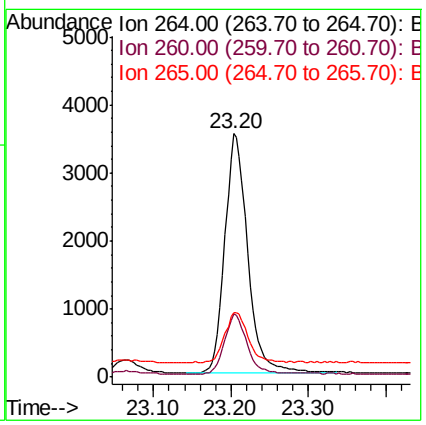


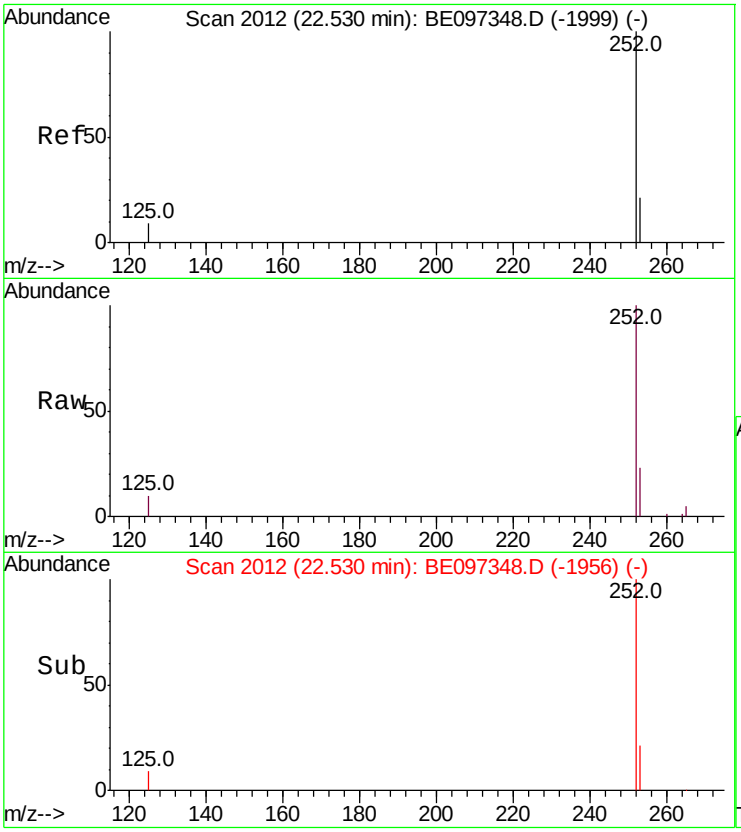


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2201
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:264 Resp: 7234

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	26.7	22.8	34.2



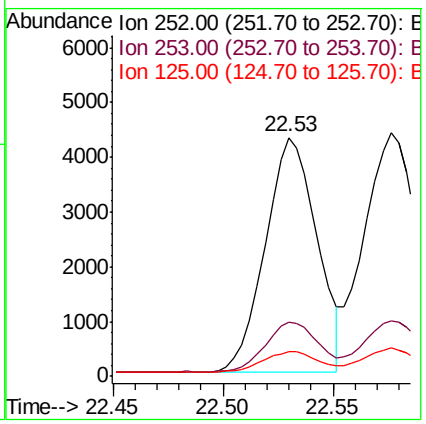


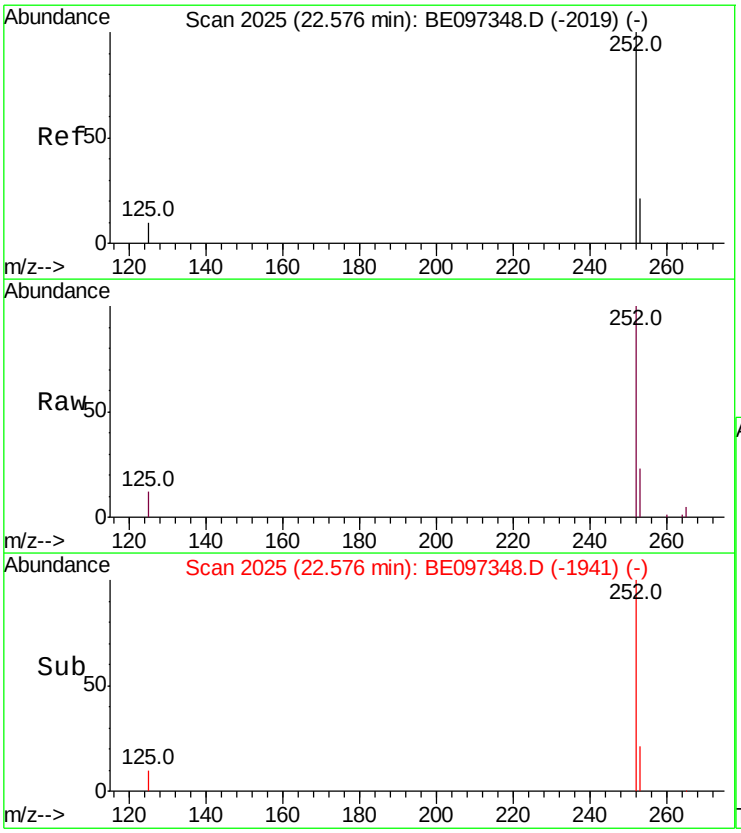
#35
Benzo(b)fluoranthene
Concen: 0.366 ng
RT: 22.53 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 6983

Ion	Ratio	Lower	Upper
252	100		
253	22.8	20.0	30.0
125	10.4	16.0	24.0#

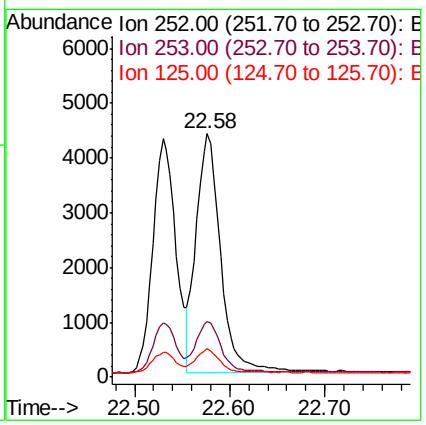


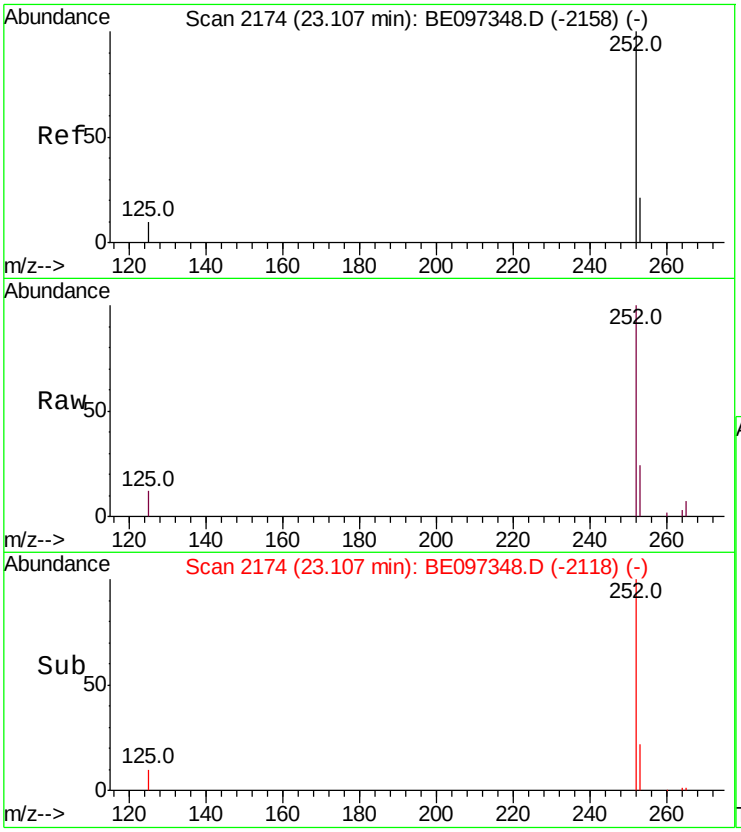


#36
Benzo(k)fluoranthene
Concen: 0.293 ng
RT: 22.58 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:252 Resp: 7842

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.0	24.0
125	11.6	8.0	12.0



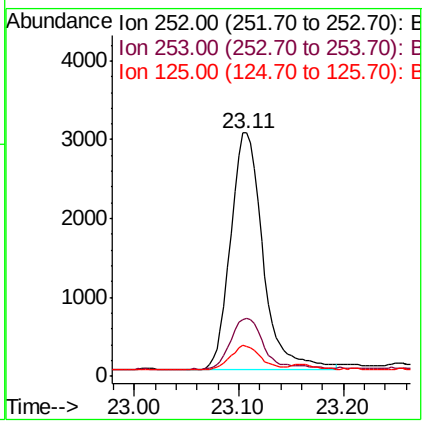


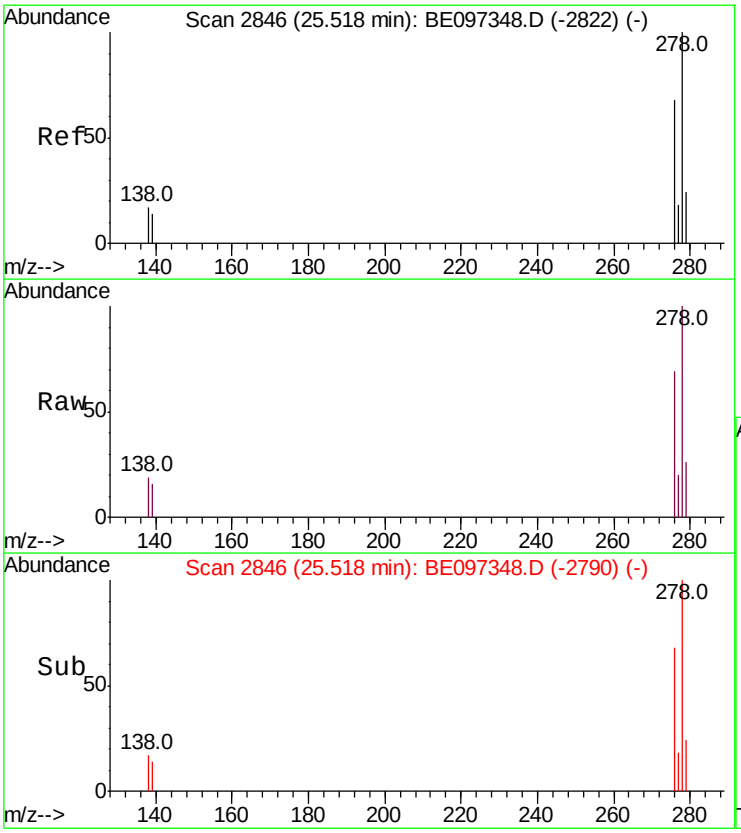
#37
Benzo(a)pyrene
Concen: 0.373 ng
RT: 23.11 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 6481

Ion	Ratio	Lower	Upper
252	100		
253	23.9	16.0	24.0
125	12.5	12.0	18.0

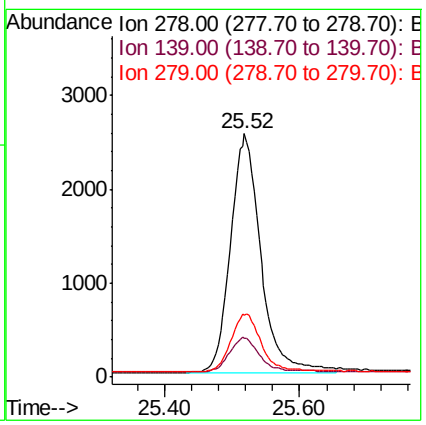


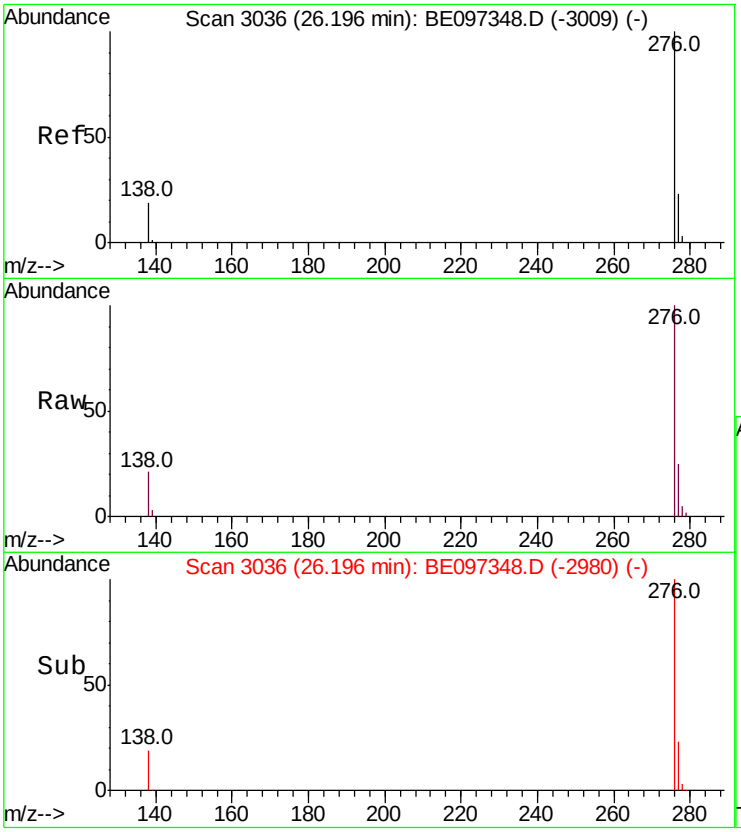


#38
Dibenzo(a,h)anthracene
Concen: 0.534 ng
RT: 25.52 min Scan# 2846
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Tgt Ion:278 Resp: 7922

Ion	Ratio	Lower	Upper
278	100		
139	16.1	16.0	24.0
279	25.6	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.545 ng
RT: 26.20 min Scan# 3036
Delta R.T. 0.00 min
Lab File: BE097348.D
Acq: 22 Aug 2018 15:26

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 8150

Ion	Ratio	Lower	Upper
276	100		
277	24.6	16.0	24.0#
138	20.8	20.0	30.0