Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE072418\
Data File : BE097089.D
Acq On : 25 Jul 2018 1:58
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jul 25 02:36:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	1323	0.40	ng		0.00
7) Naphthalene-d8	10.15	136	6727	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	4297	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	11502	0.40	ng		0.00
27) Chrysene-d12	20.98	240	10878	0.40	ng		0.00
34) Perylene-d12	23.21	264	9716	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	1527	0.41	ng		0.00
5) Phenol-d6	6.60	99	2356	0.43	ng		0.00
8) Nitrobenzene-d5	8.52	82	2393	0.41	ng		0.00
11) 2-Methylnaphthalene-d10	11.73	152	4024	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.52	330	580	0.41	ng		0.00
15) 2-Fluorobiphenyl	12.63	172	5989	0.40	ng		0.00
25) Fluoranthene-d10	18.81	212	46129	0.40	ng		0.00
29) Terphenyl-d14	19.43	244	8459	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.10	88	844	0.401	ng	#	90
3) n-Nitrosodimethylamine	3.38	42	943	0.401	ng	#	93
6) bis(2-Chloroethyl)ether	6.84	93	2097	0.421	ng		87
9) Naphthalene	10.20	128	24232	0.401	ng		100
10) Hexachlorobutadiene	10.48	225	1077	0.398	ng		99
12) 2-Methylnaphthalene	11.80	142	4163	0.402	ng		99
16) Acenaphthylene	13.73	152	7862	0.408	ng		100
17) Acenaphthene	14.08	154	4618	0.412	ng		94
18) Fluorene	15.08	166	6136	0.414	ng	#	80
20) 4-Bromophenyl-phenylether	15.97	248	2232	0.399	ng	#	84
21) Hexachlorobenzene	16.08	284	2458	0.410	ng	#	84
22) Pentachlorophenol	16.43	266	584	0.416	ng	#	79
23) Phenanthrene	16.81	178	11136	0.406	ng		99
24) Anthracene	16.89	178	9875	0.403	ng		95
26) Fluoranthene	18.84	202	12372	0.402	ng		98
28) Pyrene	19.20	202	12316	0.413	ng		99
30) Benzo(a)anthracene	20.95	228	10752	0.397	ng		98
31) Chrysene	21.00	228	12216	0.421	ng		98
32) Bis(2-ethylhexyl)phthalate	20.92	149	13985	0.485	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	10894	0.415	ng	#	92
35) Benzo(b)fluoranthene	22.54	252	9601	0.389	ng	#	87
36) Benzo(k)fluoranthene	22.58	252	11099	0.386	ng		96
37) Benzo(a)pyrene	23.11	252	9271	0.400	ng	#	92
38) Dibenzo(a,h)anthracene	25.54	278	9001	0.389	ng		96
39) Benzo(g,h,i)perylene	26.20	276	9464	0.385	ng	#	91

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

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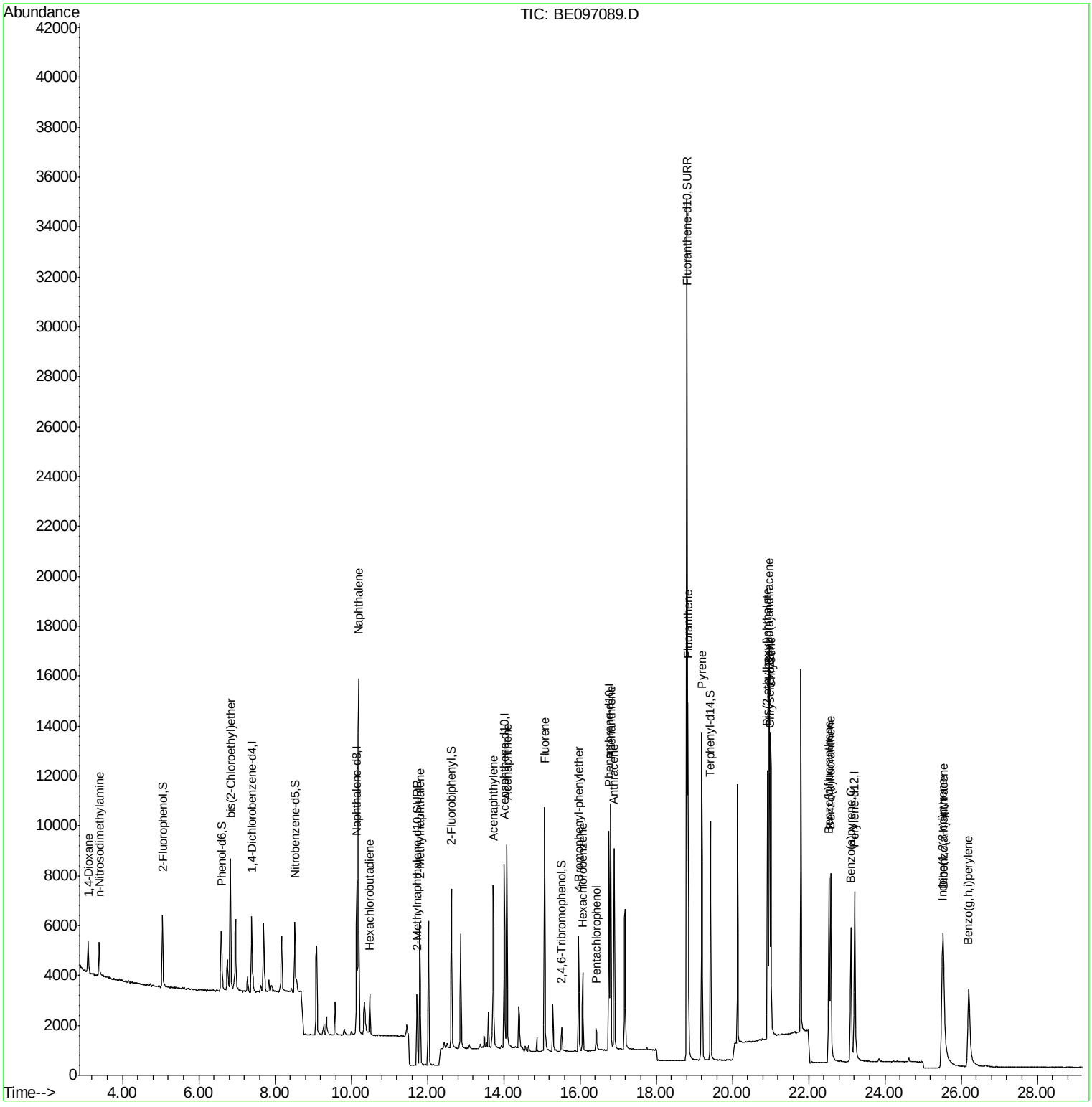
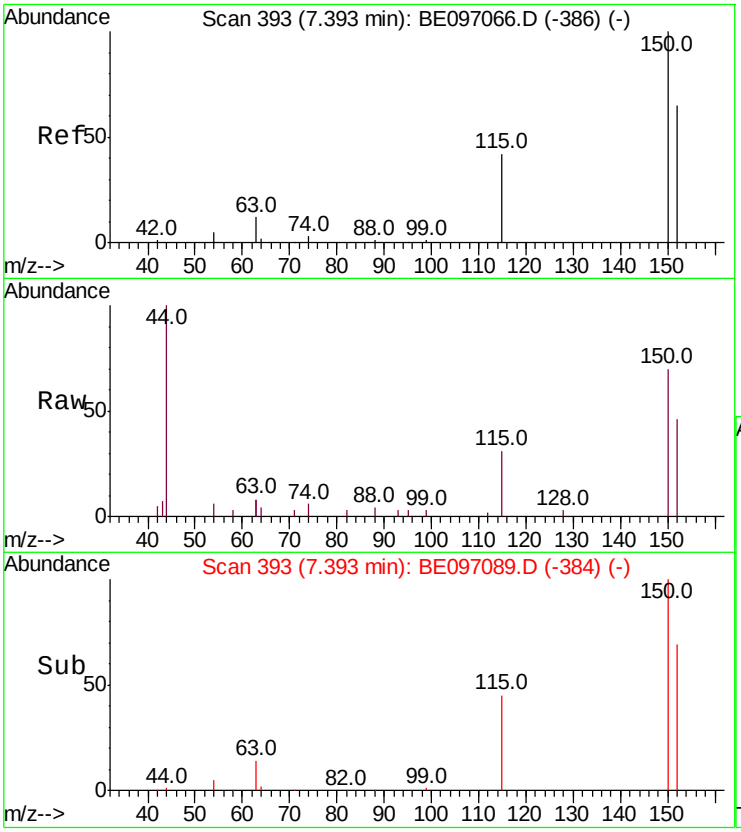
Data File : BE097089.D
Acq On : 25 Jul 2018 1:58
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 100 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Jul 25 02:36:54 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE072418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 24 13:24:10 2018
Response via : Initial Calibration



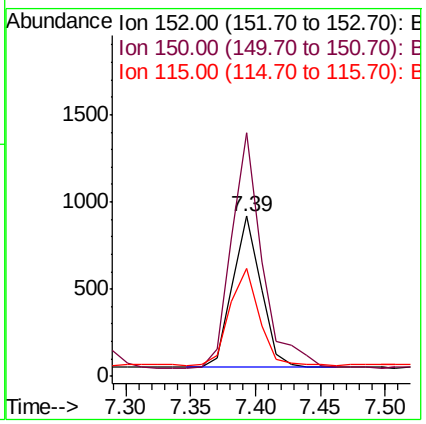


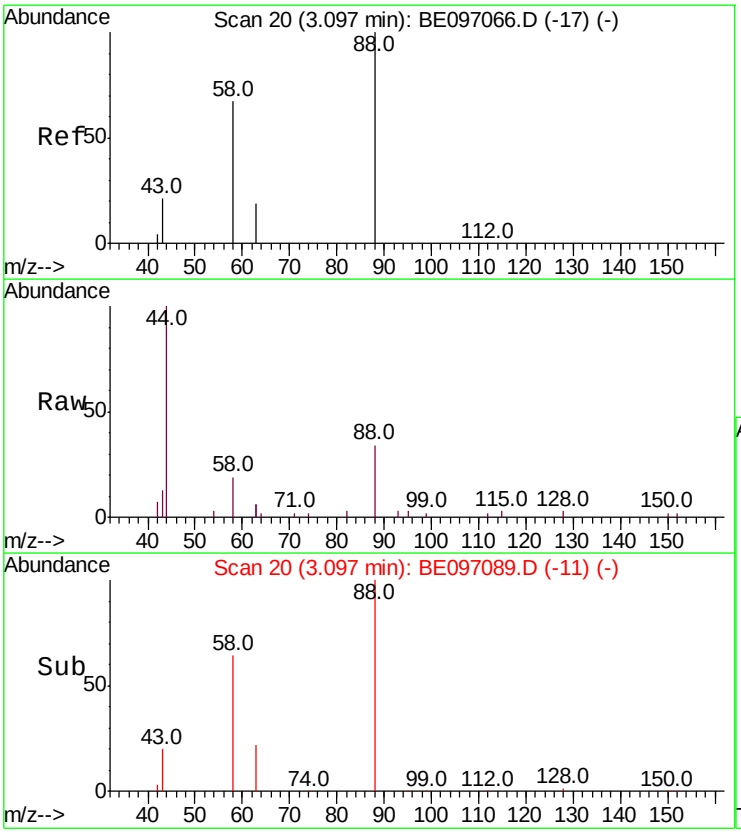
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.39 min Scan# 393
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1323

Ion	Ratio	Lower	Upper
152	100		
150	152.4	117.2	175.8
115	67.6	57.0	85.6

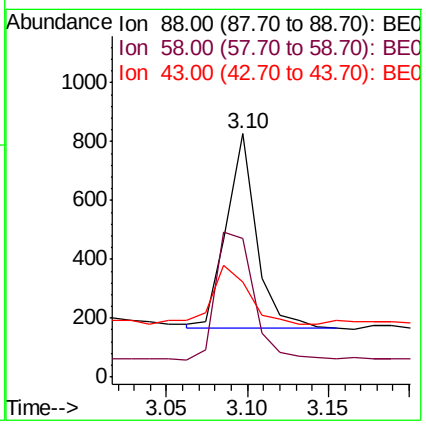


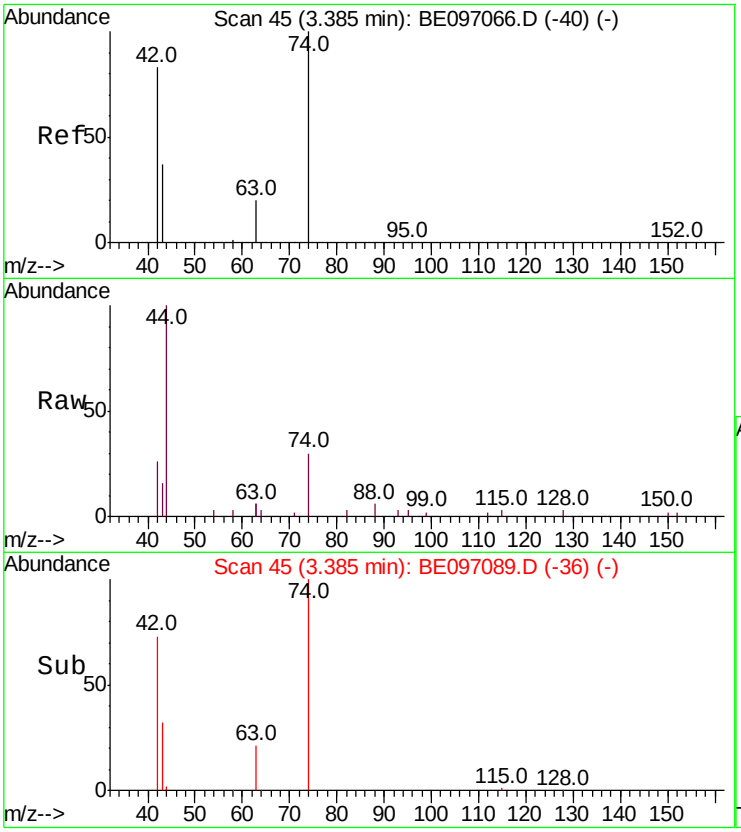


#2
1,4-Dioxane
Concen: 0.401 ng
RT: 3.10 min Scan# 20
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion: 88 Resp: 844

Ion	Ratio	Lower	Upper
88	100		
58	82.2	63.2	94.8
43	38.4	41.2	61.8#



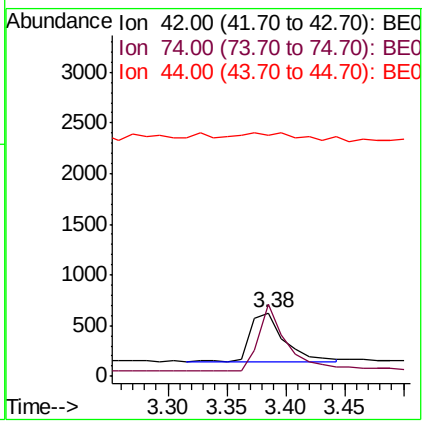


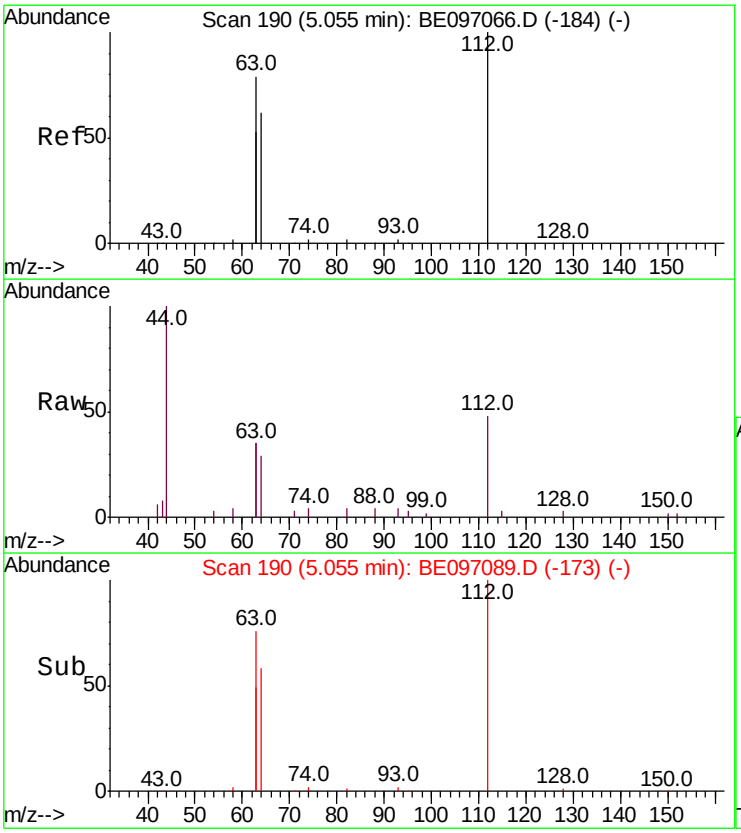
#3
n-Nitrosodimethylamine
Concen: 0.401 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 943

Ion	Ratio	Lower	Upper
42	100		
74	114.5	96.0	144.0
44	24.3	12.0	18.0#

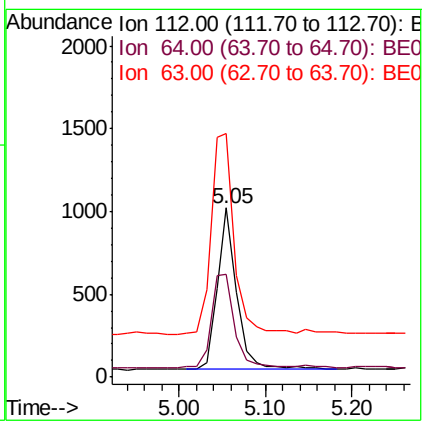


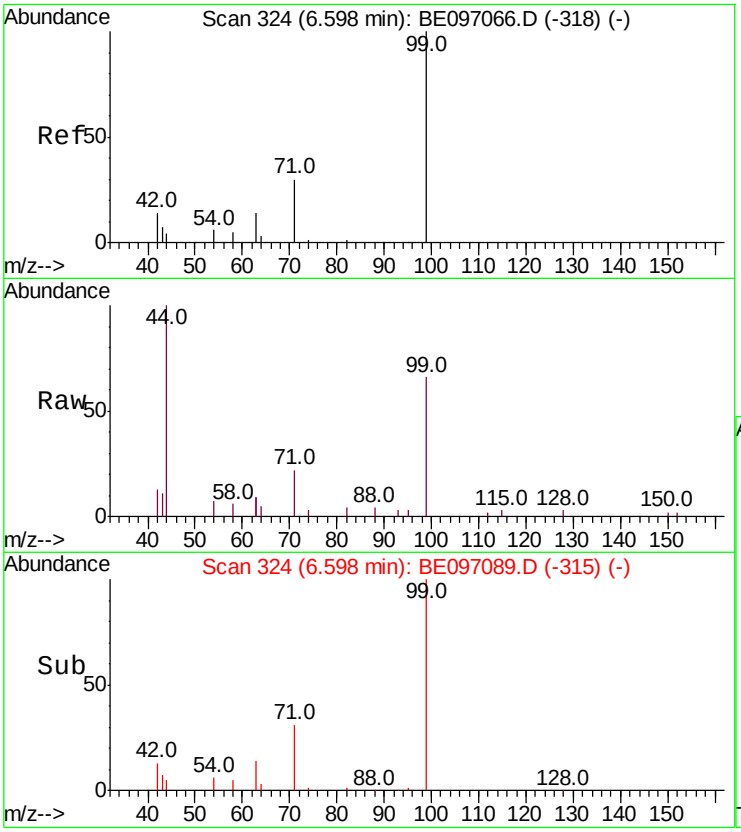


#4
2-Fluorophenol
Concen: 0.411 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:112 Resp: 1527

Ion	Ratio	Lower	Upper
112	100		
64	70.3	60.1	90.1
63	149.2	116.8	175.2



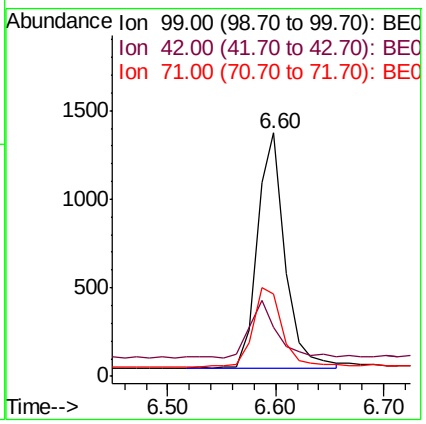


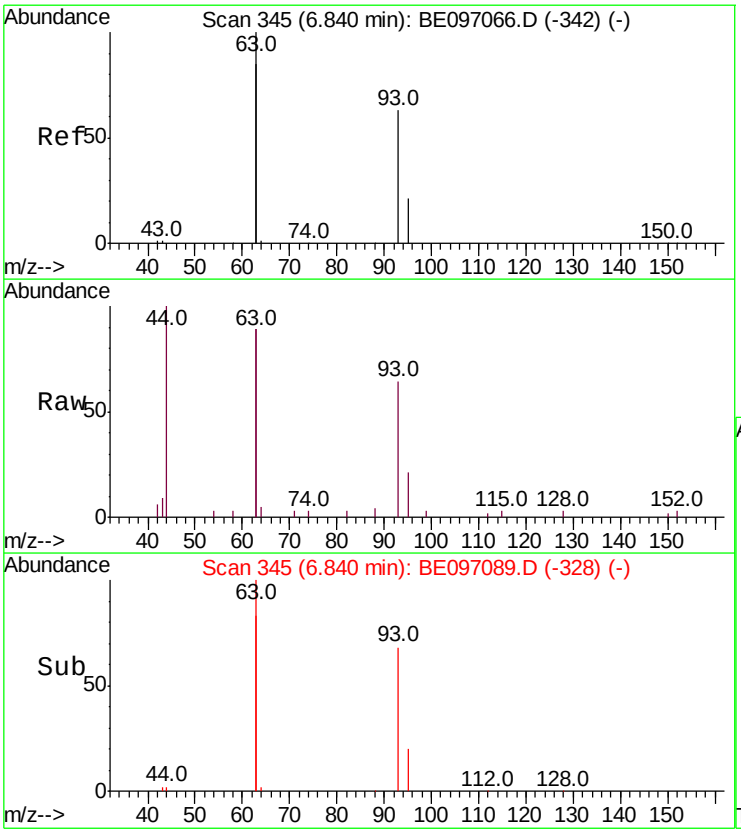
#5
Phenol-d6
Concen: 0.432 ng
RT: 6.60 min Scan# 324
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2356

Ion	Ratio	Lower	Upper
99	100		
42	23.9	20.2	30.2
71	35.5	28.4	42.6

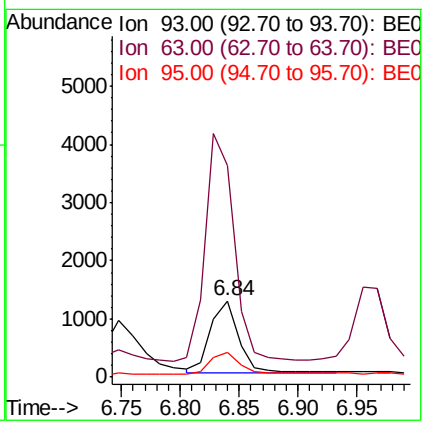


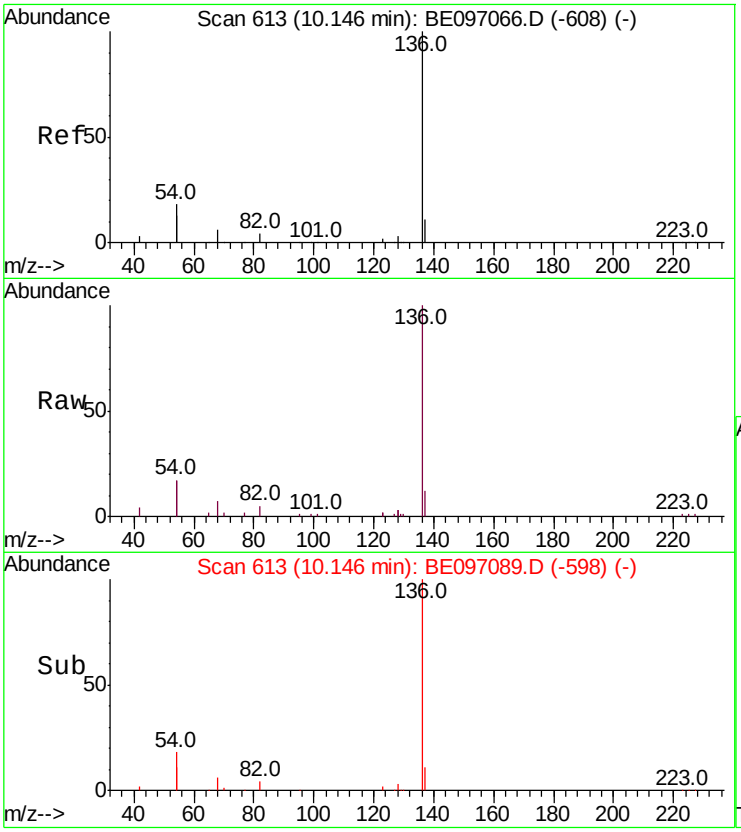


#6
bis(2-Chloroethyl)ether
Concen: 0.421 ng
RT: 6.84 min Scan# 345
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion: 93 Resp: 2097

Ion	Ratio	Lower	Upper
93	100		
63	315.4	275.3	412.9
95	29.4	25.2	37.8



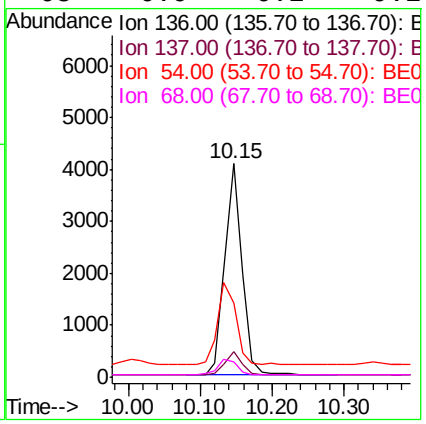


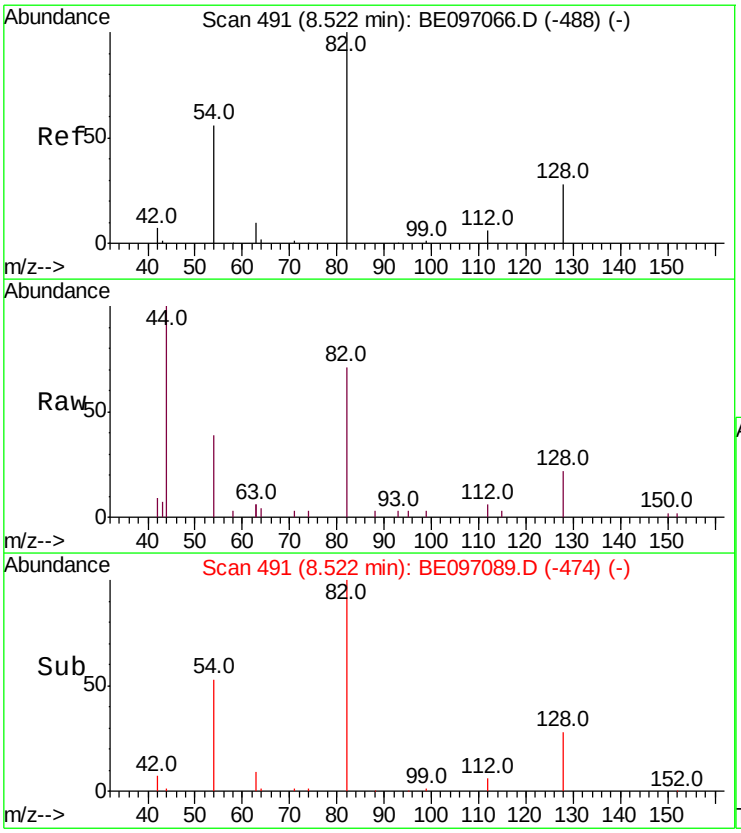
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.15 min Scan# 613
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 6727

Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.5	14.3
54	34.6	29.1	43.7
68	6.9	6.2	9.2

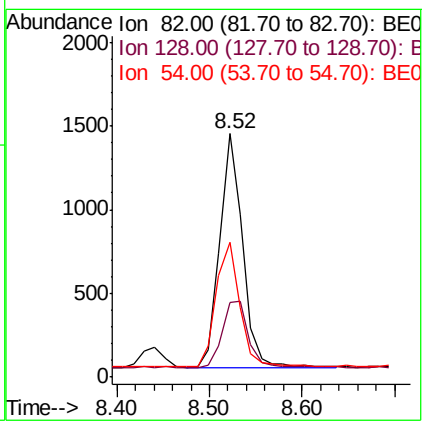


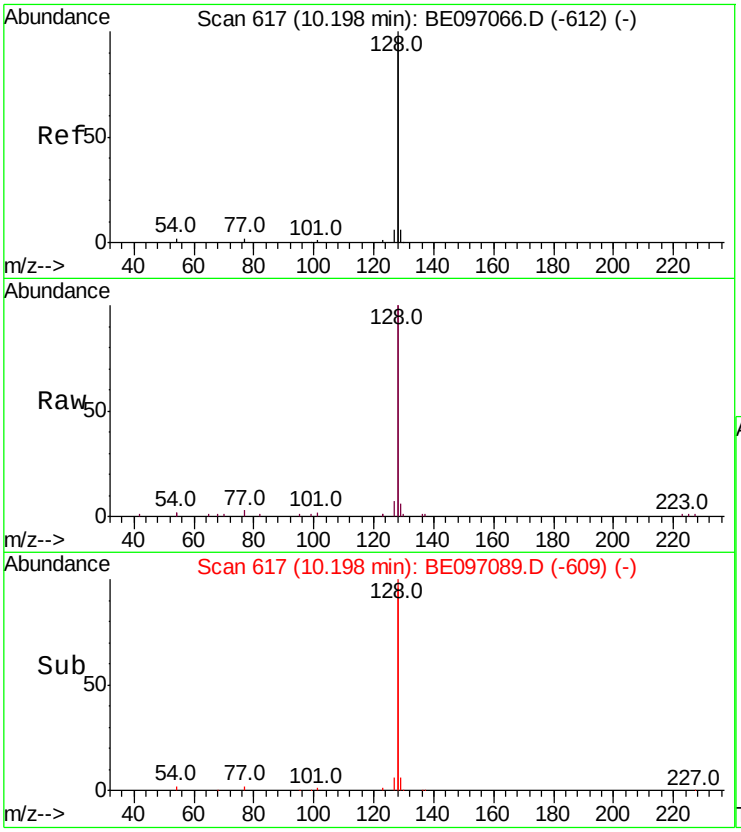


#8
Nitrobenzene-d5
Concen: 0.409 ng
RT: 8.52 min Scan# 491
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion: 82 Resp: 2393

Ion	Ratio	Lower	Upper
82	100		
128	30.7	24.0	36.0
54	55.6	40.0	60.0



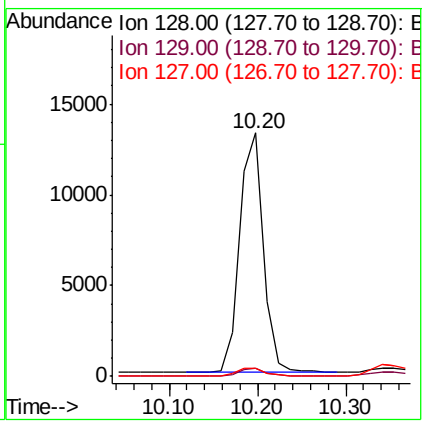


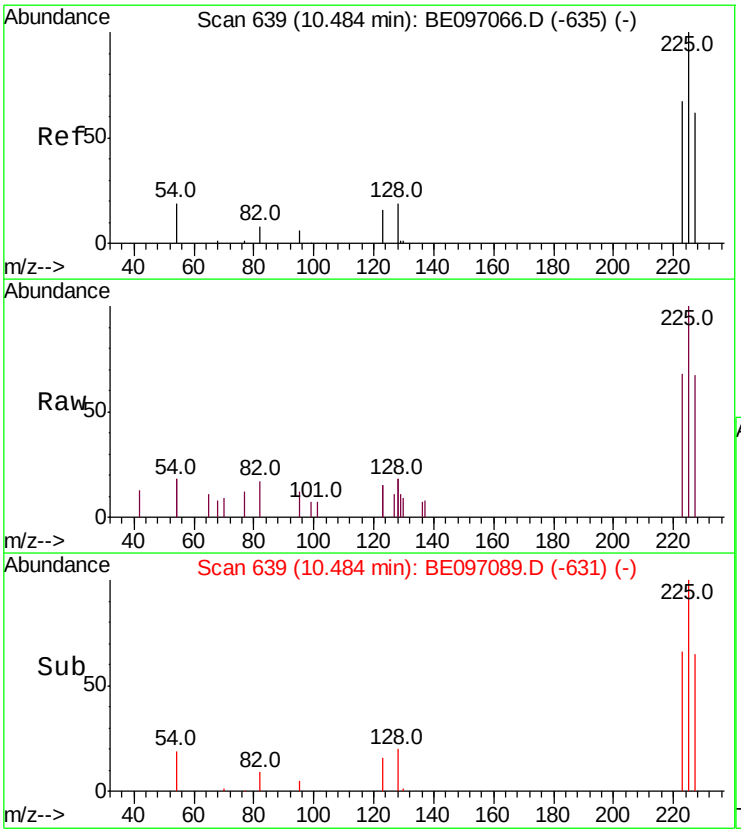
#9
Naphthalene
Concen: 0.401 ng
RT: 10.20 min Scan# 617
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 24232

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.4	2.8	4.2

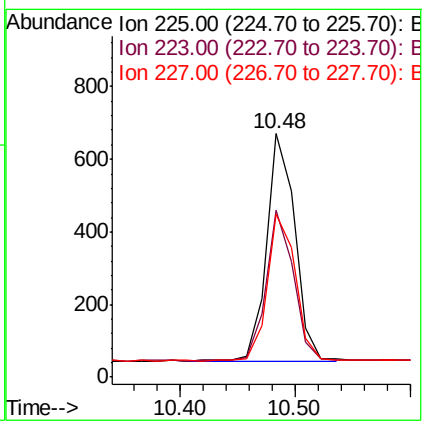


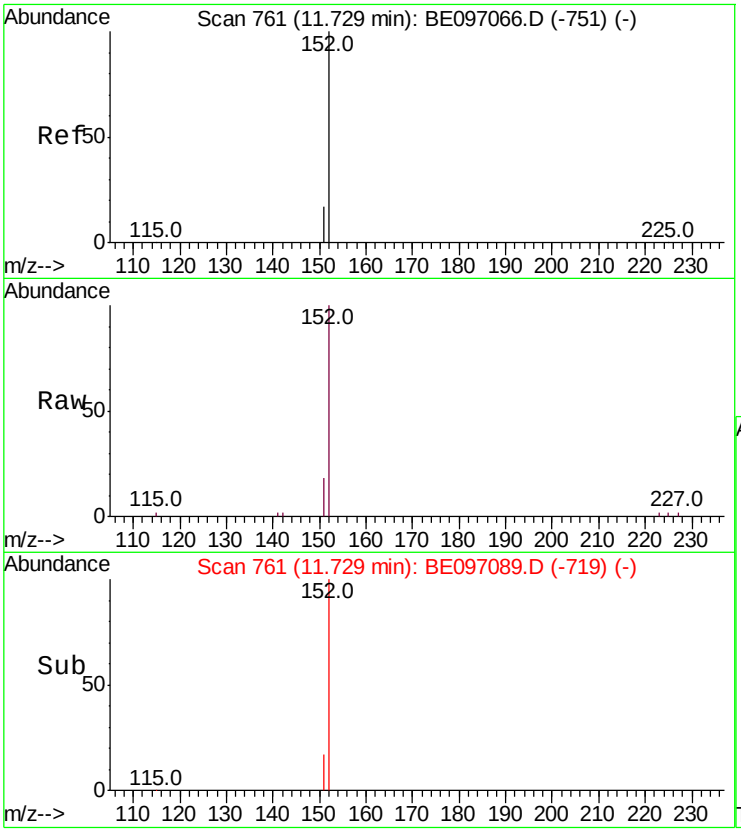


#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.48 min Scan# 639
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:225 Resp: 1077

Ion	Ratio	Lower	Upper
225	100		
223	64.6	53.0	79.6
227	64.6	51.4	77.2



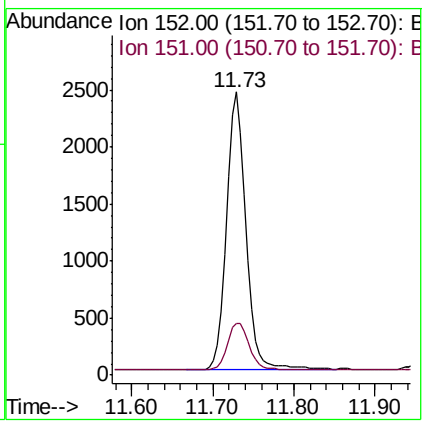


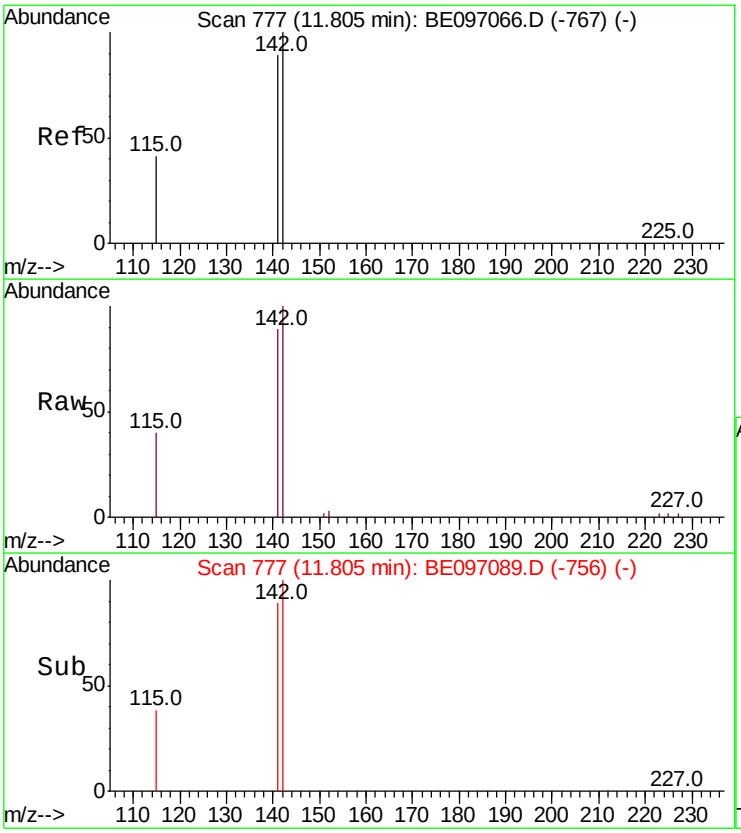
#11
2-Methylnaphthalene-d10
Concen: 0.400 ng
RT: 11.73 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4024

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.4	23.0

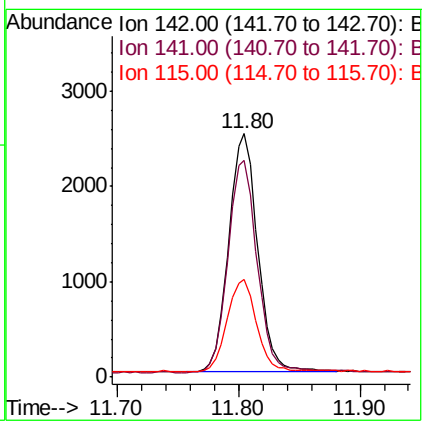


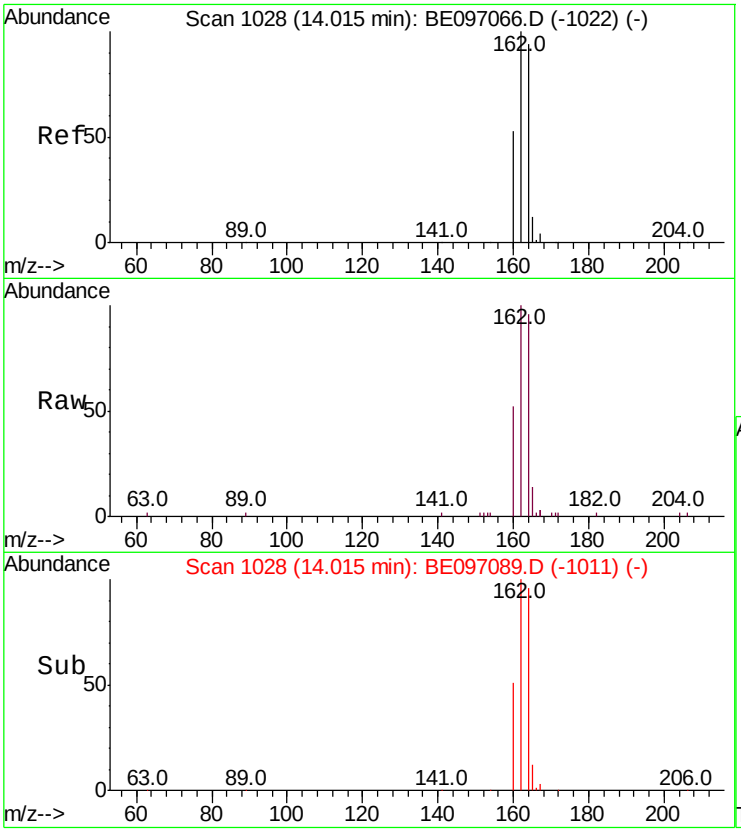


#12
2-Methylnaphthalene
Concen: 0.402 ng
RT: 11.80 min Scan# 777
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:142 Resp: 4163

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.4	105.6
115	40.0	31.7	47.5



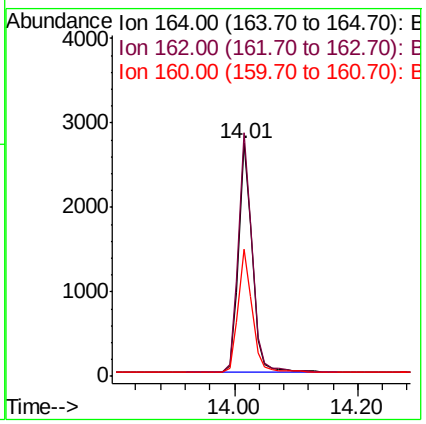


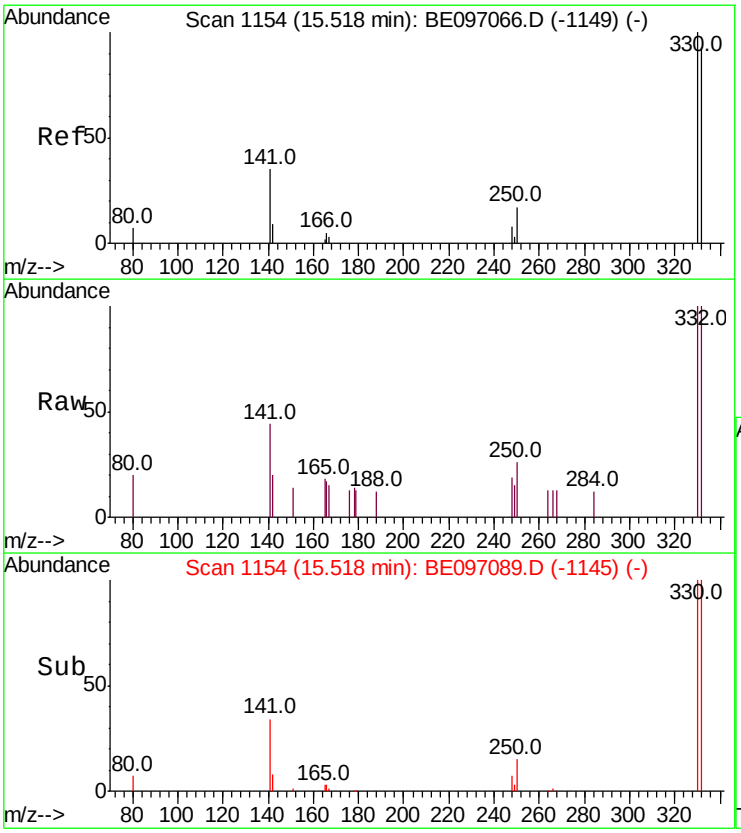
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 4297

Ion	Ratio	Lower	Upper
164	100		
162	104.5	83.1	124.7
160	54.3	37.1	55.7

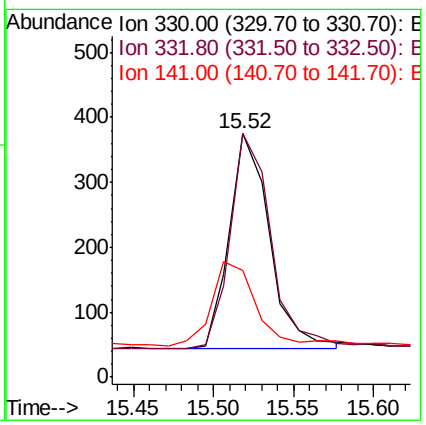


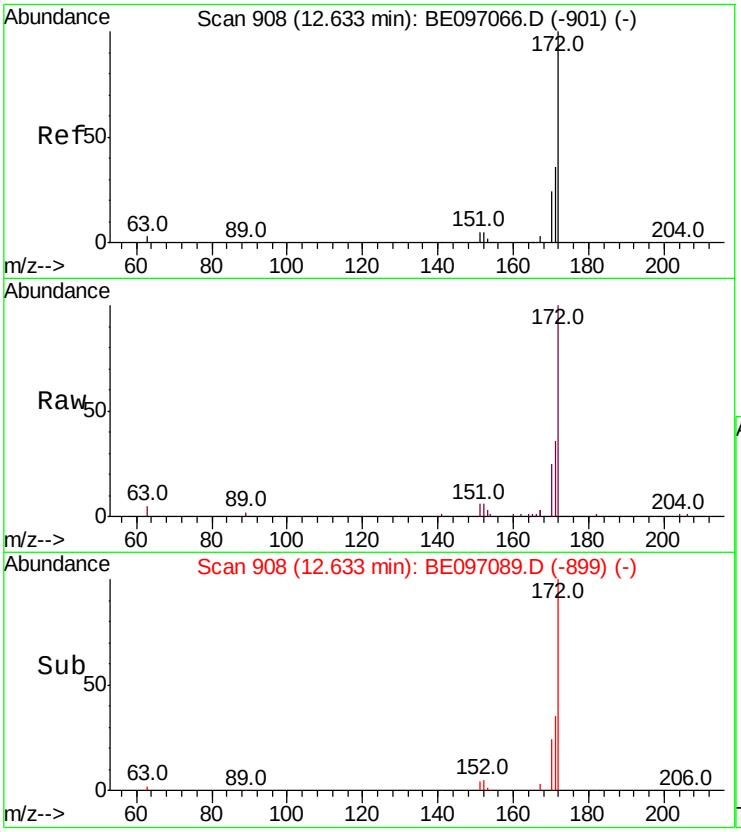


#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 15.52 min Scan# 1154
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:330 Resp: 580

Ion	Ratio	Lower	Upper
330	100		
332	101.2	152.7	229.1#
141	42.1	33.7	50.5



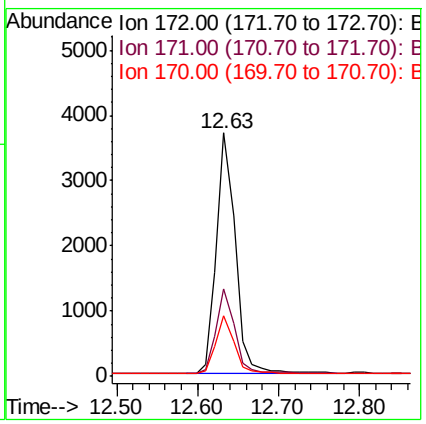


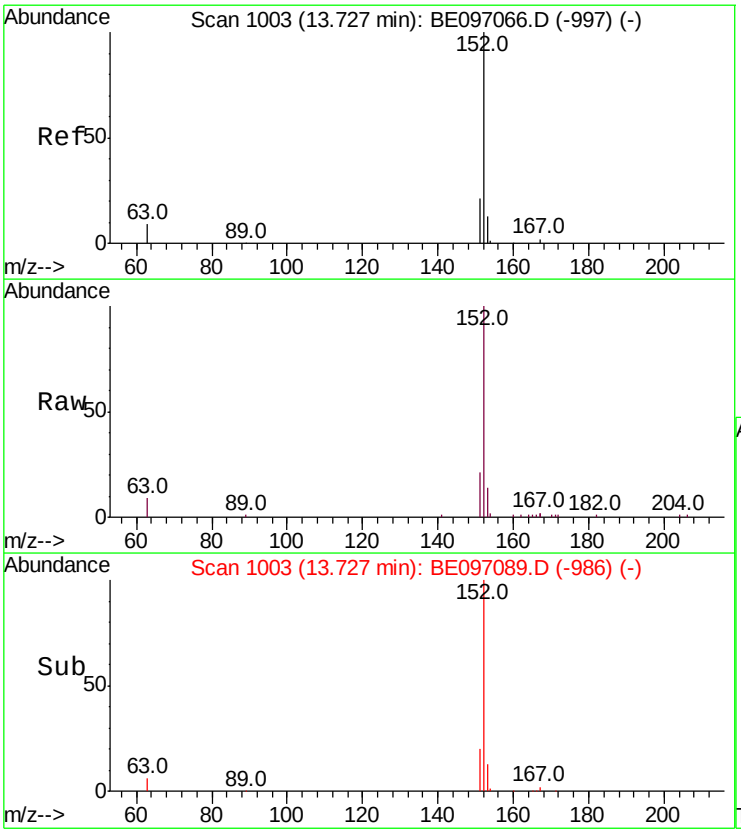
#15
2-Fluorobiphenyl
Concen: 0.404 ng
RT: 12.63 min Scan# 908
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 5989

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	25.1	21.8	32.8

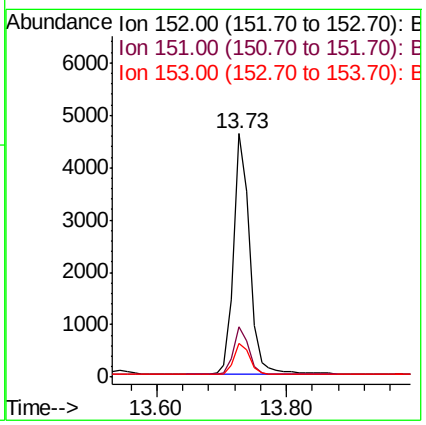


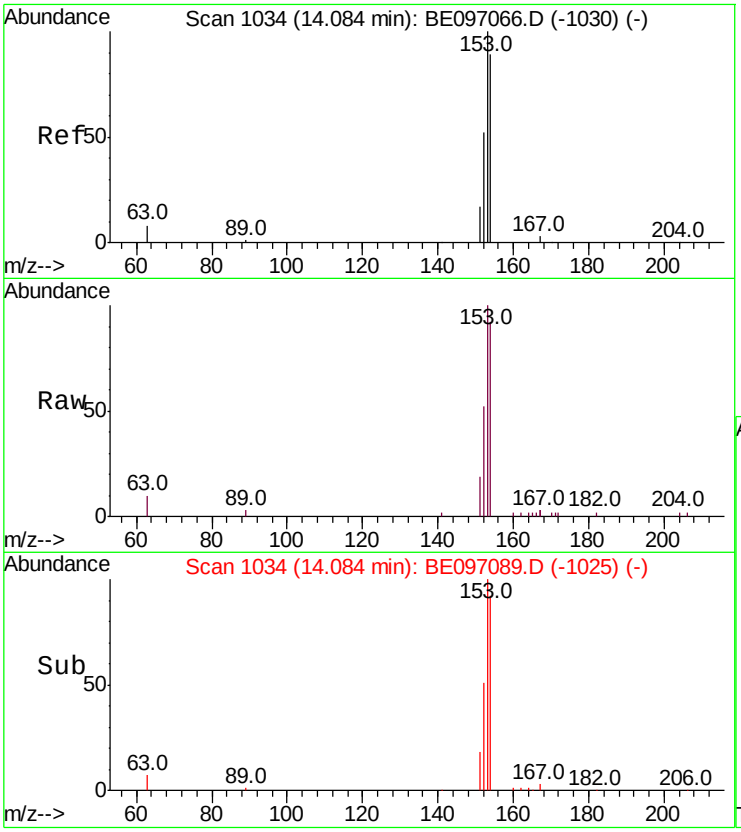


#16
Acenaphthylene
Concen: 0.408 ng
RT: 13.73 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:152 Resp: 7862

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.2	10.5	15.7



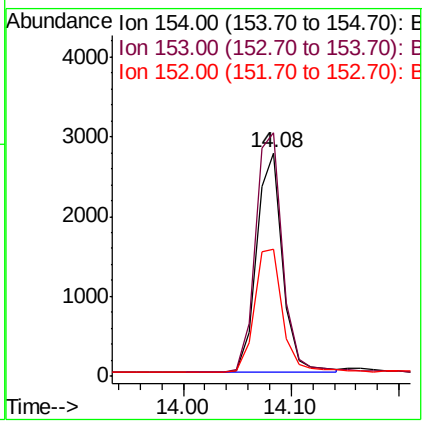


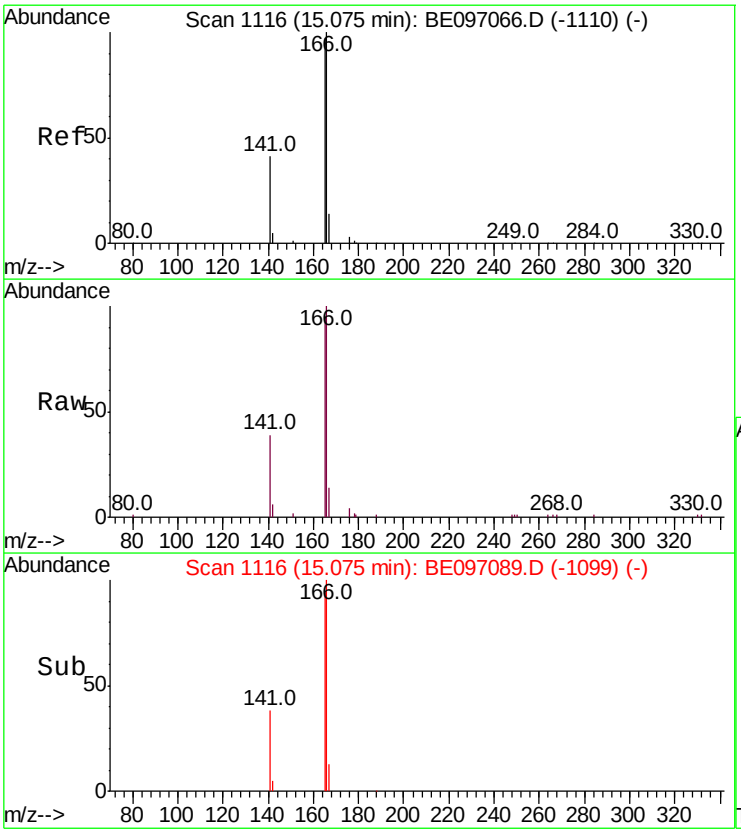
#17
Acenaphthene
Concen: 0.412 ng
RT: 14.08 min Scan# 1034
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 4618

Ion	Ratio	Lower	Upper
154	100		
153	114.6	89.2	133.8
152	61.1	42.0	63.0

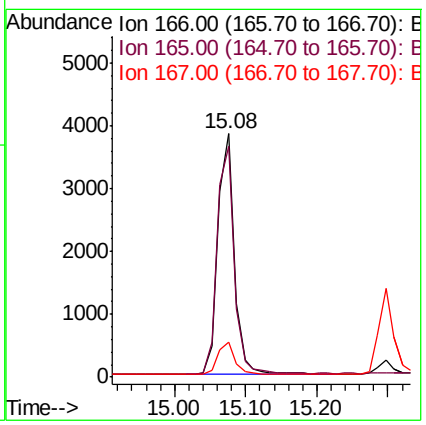


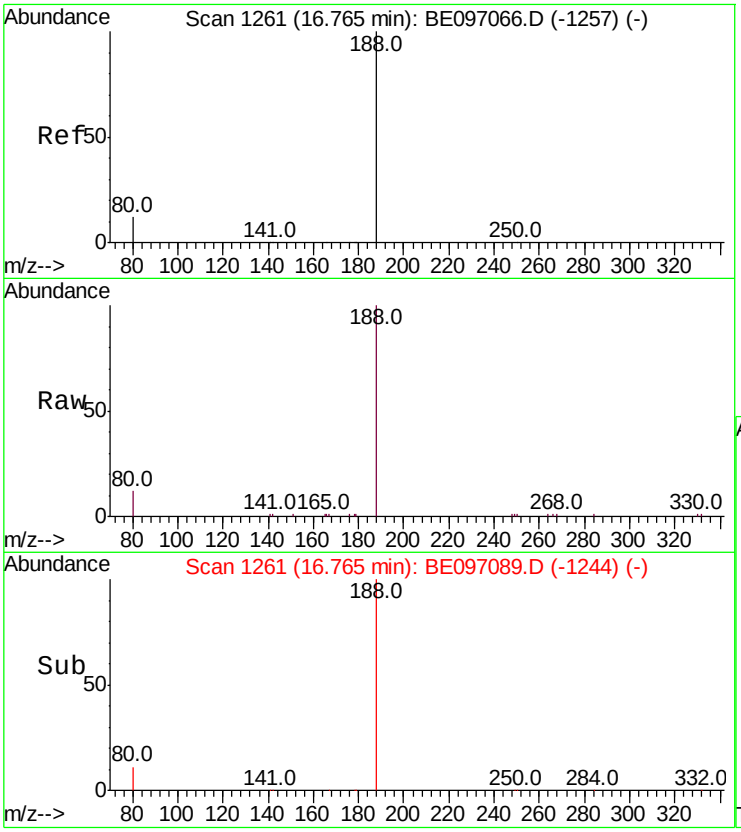


#18
Fluorene
Concen: 0.414 ng
RT: 15.08 min Scan# 1116
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:166 Resp: 6136

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.8	116.6
167	13.5	42.4	63.6#



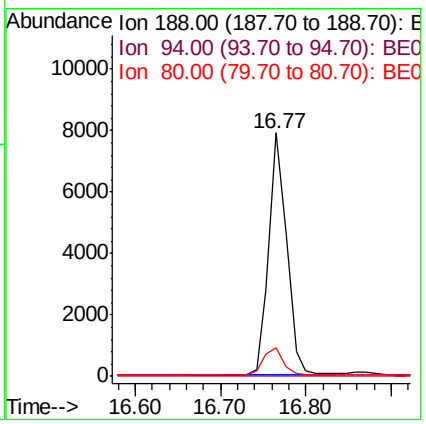


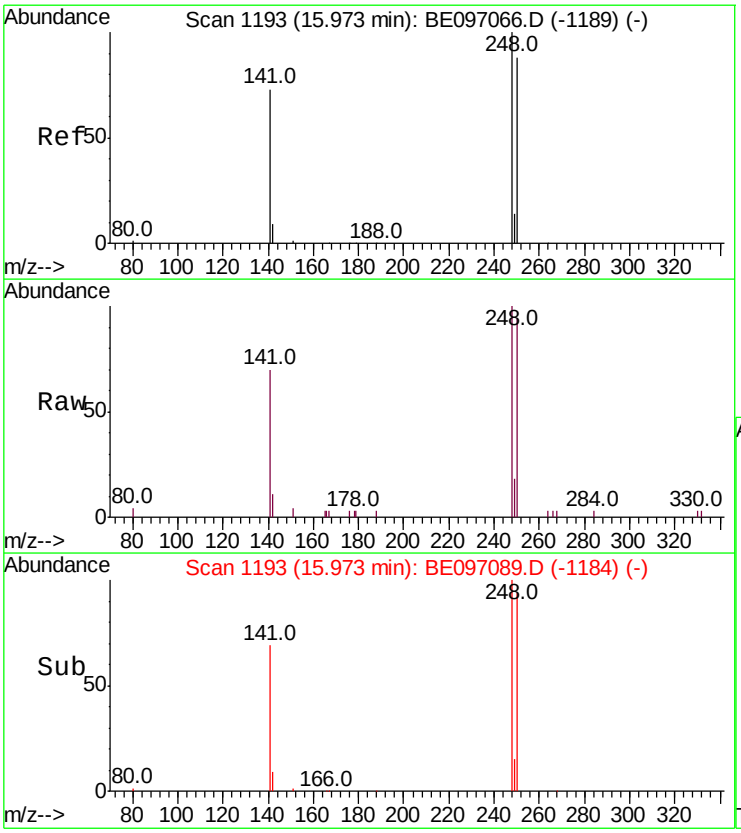
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 11502

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	11.6	3.6	5.4#

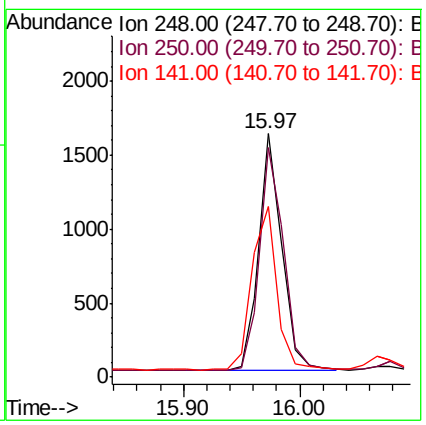


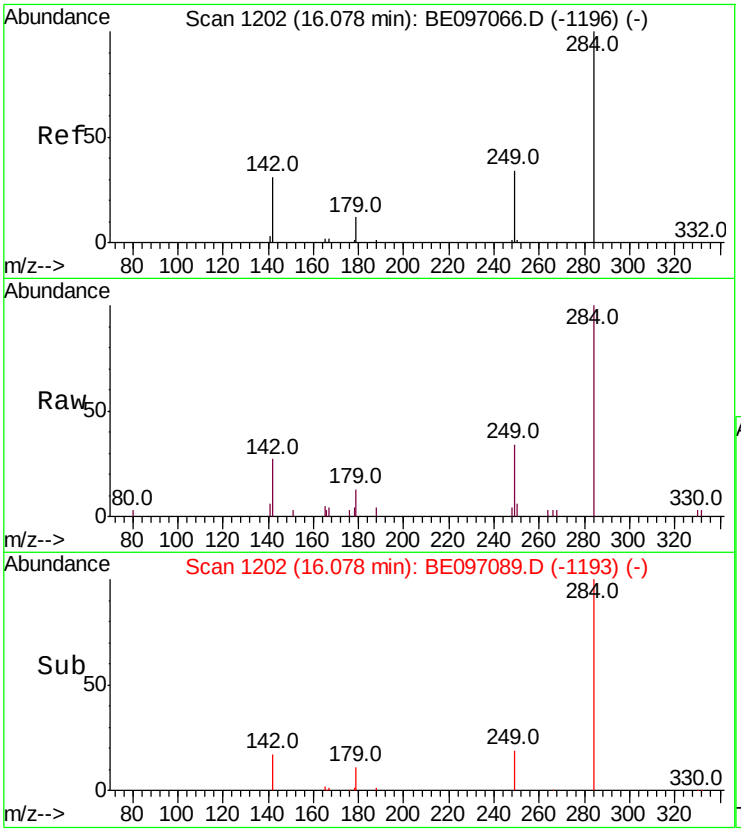


#20
4-Bromophenyl-phenylether
Concen: 0.399 ng
RT: 15.97 min Scan# 1193
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:248 Resp: 2232

Ion	Ratio	Lower	Upper
248	100		
250	94.3	62.7	94.1#
141	70.3	48.2	72.2



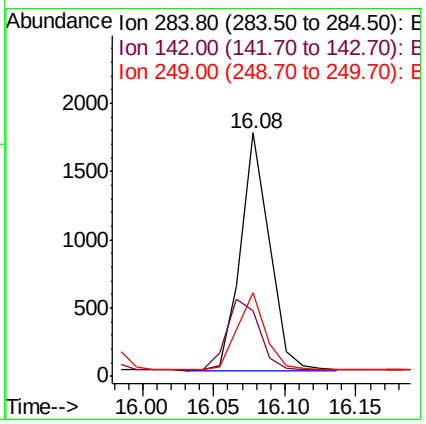


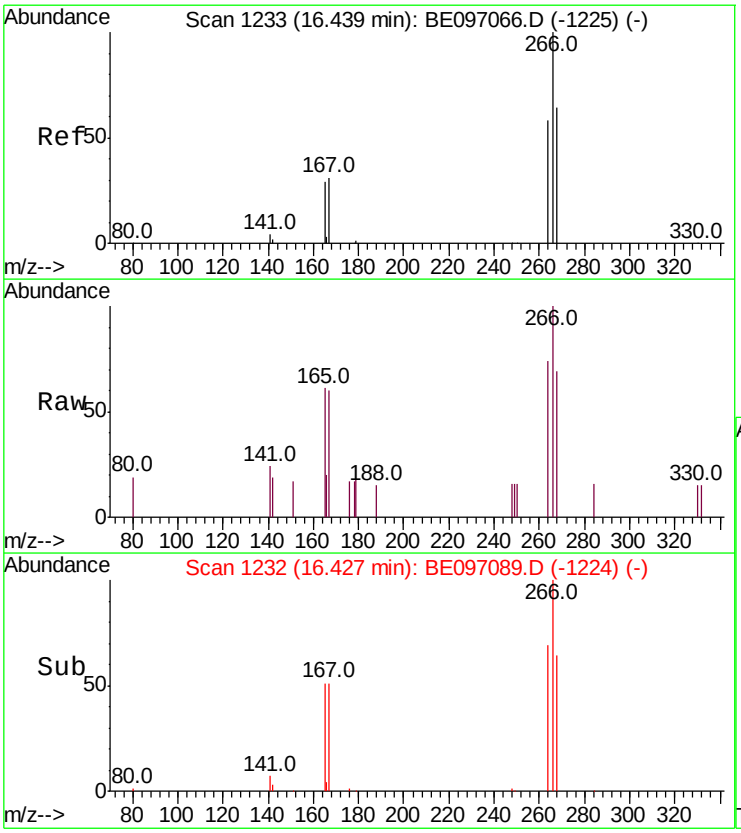
#21
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 2458

Ion	Ratio	Lower	Upper
284	100		
142	33.7	22.1	33.1#
249	31.7	34.8	52.2#

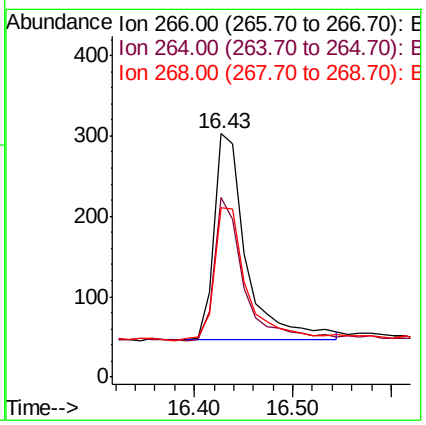


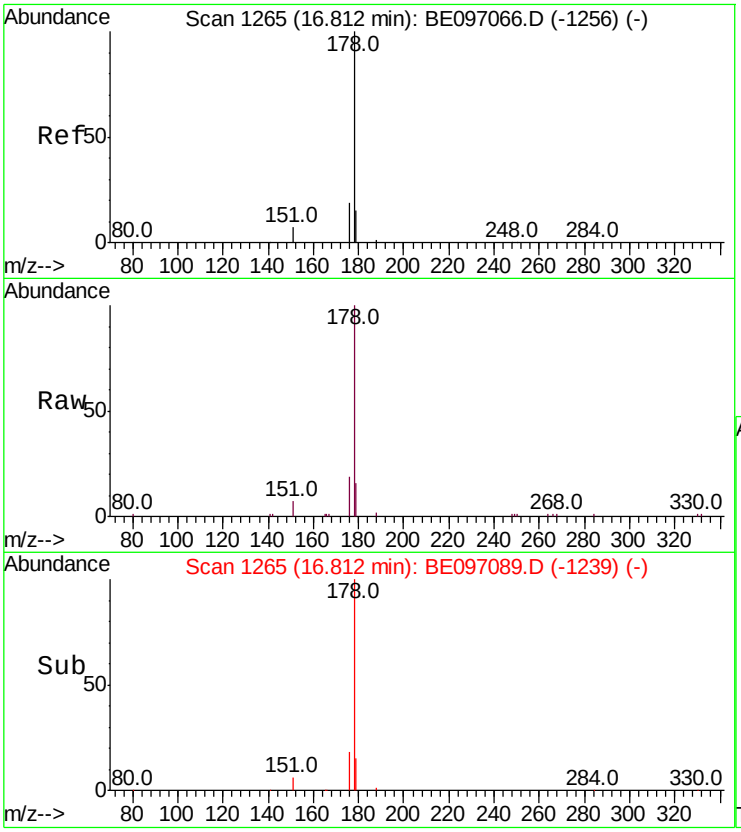


#22
Pentachlorophenol
Concen: 0.416 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:266 Resp: 584

Ion	Ratio	Lower	Upper
266	100		
264	73.9	72.5	108.7
268	69.3	73.8	110.6#



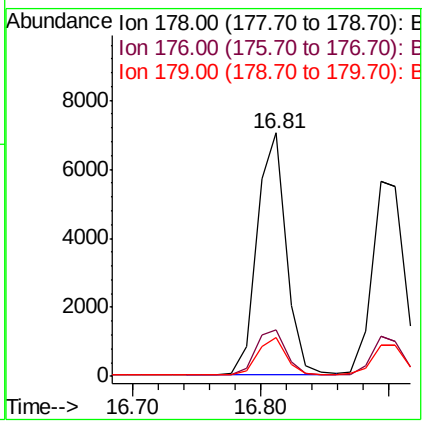


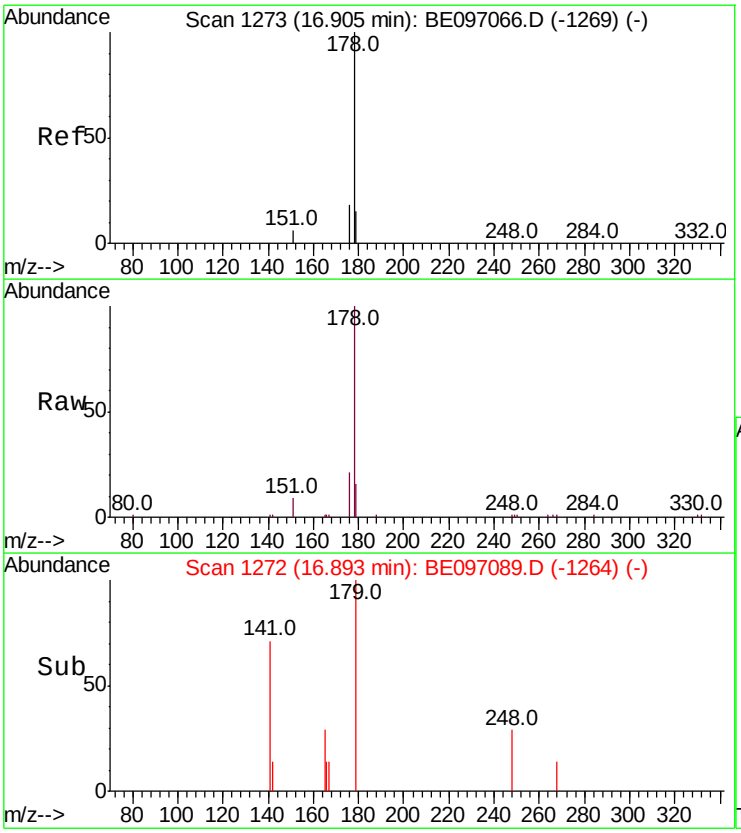
#23
Phenanthrene
Concen: 0.406 ng
RT: 16.81 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 11136

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.1	22.7
179	15.2	11.8	17.6

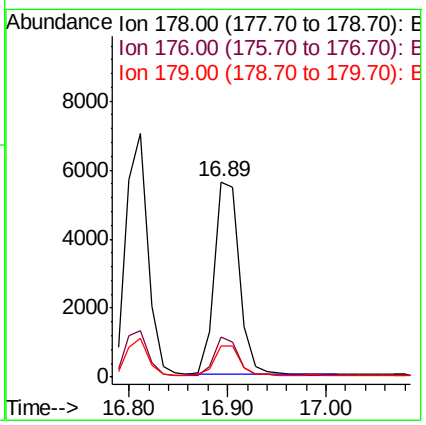


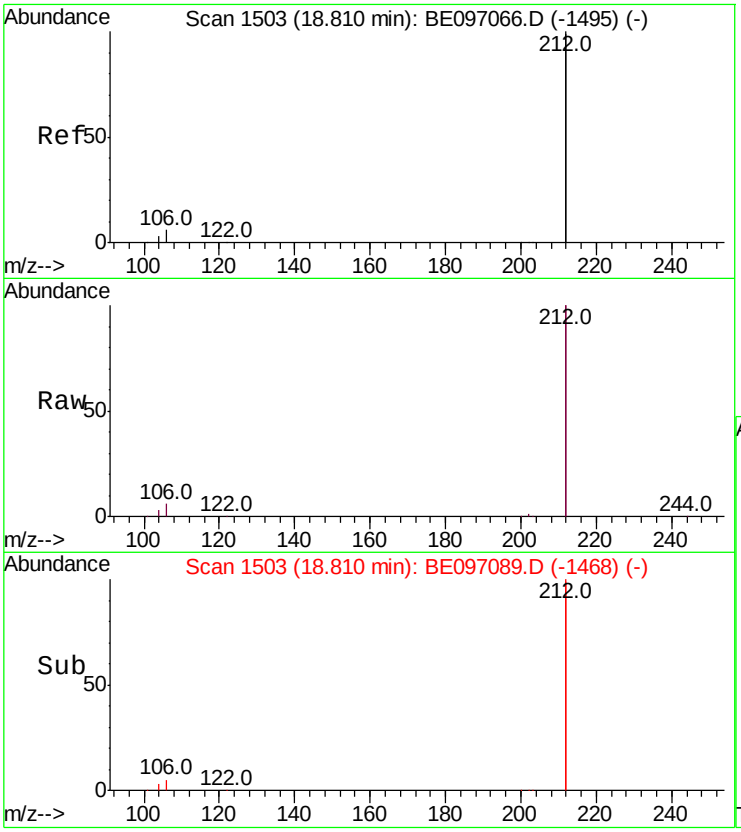


#24
Anthracene
Concen: 0.403 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.01 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:178 Resp: 9875

Ion	Ratio	Lower	Upper
178	100		
176	18.7	12.8	19.2
179	14.8	13.0	19.6



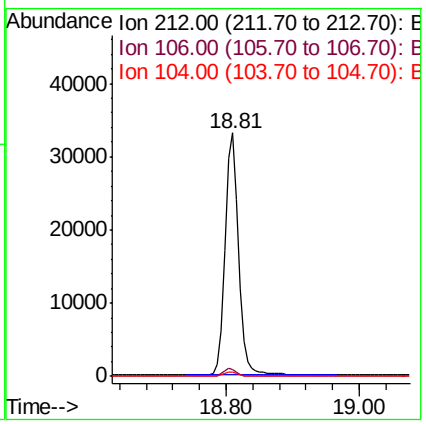


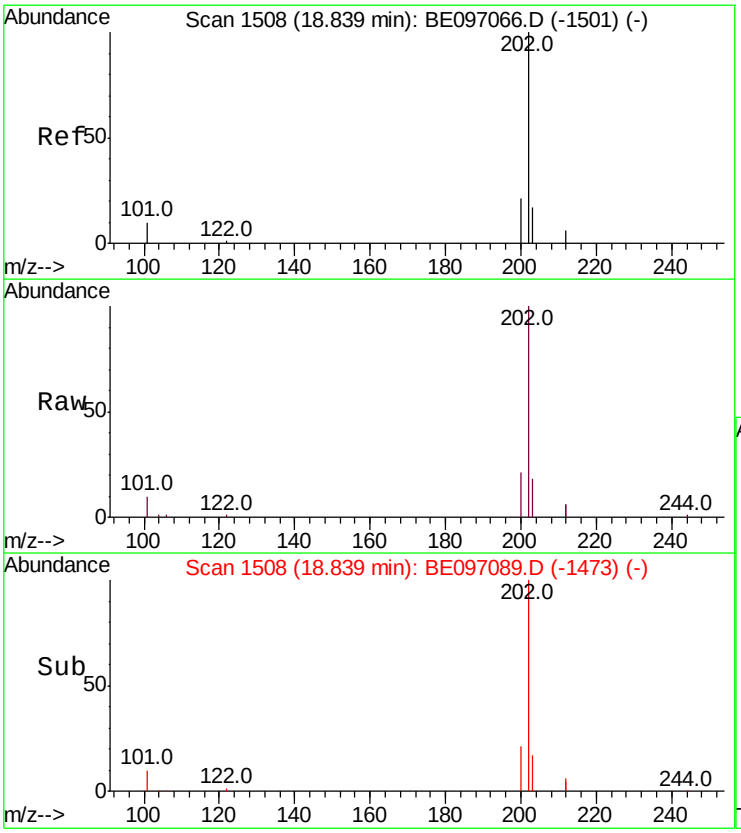
#25
Fluoranthene-d10
Concen: 0.401 ng
RT: 18.81 min Scan# 1503
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 46129

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.8	4.2
104	1.7	1.6	2.4

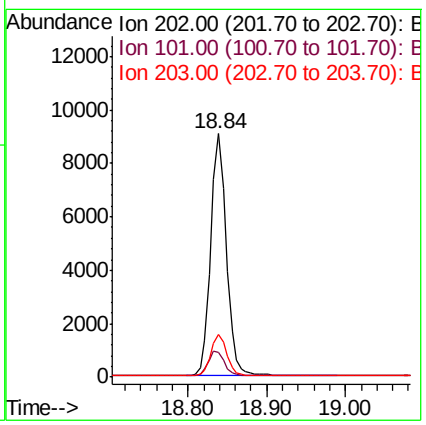


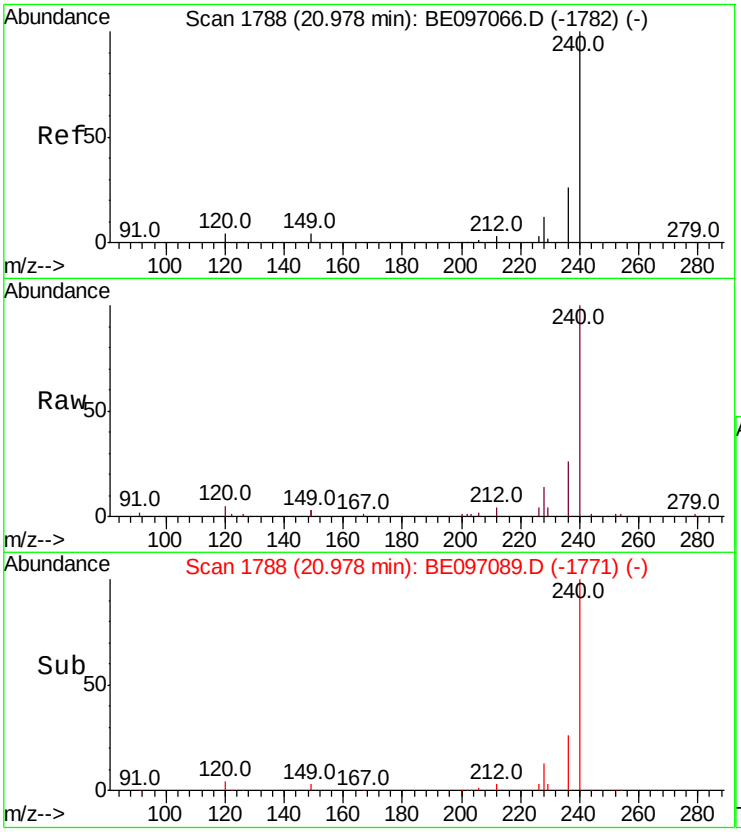


#26
Fluoranthene
Concen: 0.402 ng
RT: 18.84 min Scan# 1508
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:202 Resp: 12372

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



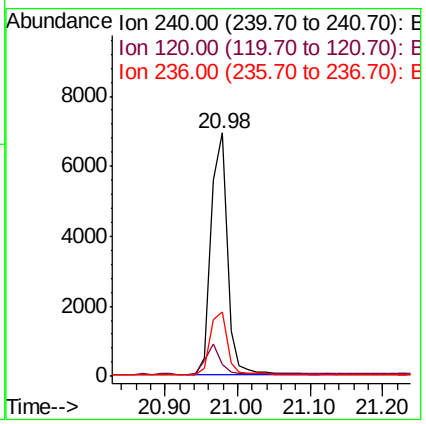


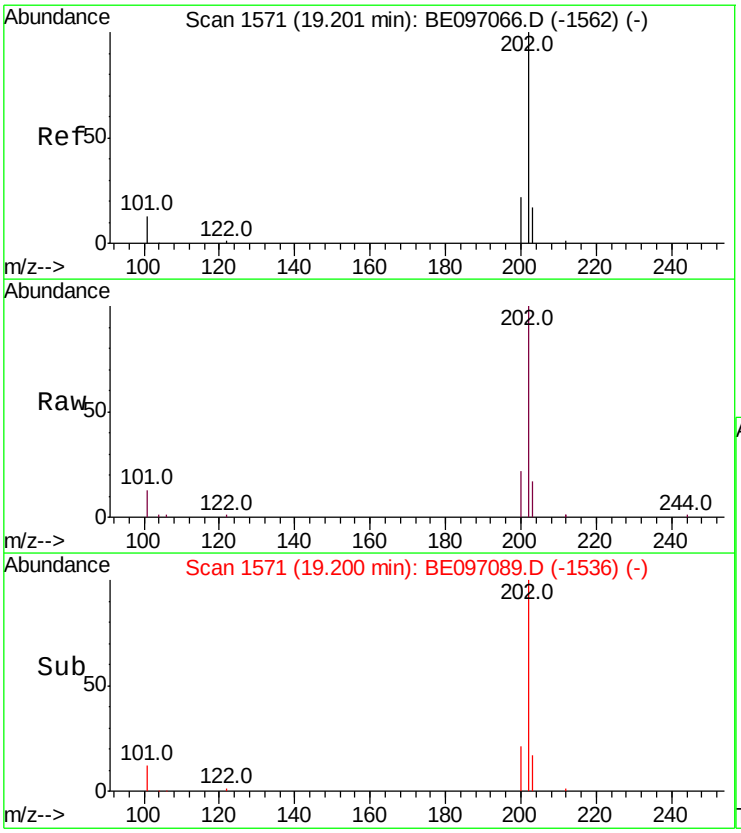
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.98 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 10878

Ion	Ratio	Lower	Upper
240	100		
120	4.7	5.5	8.3#
236	26.4	20.7	31.1

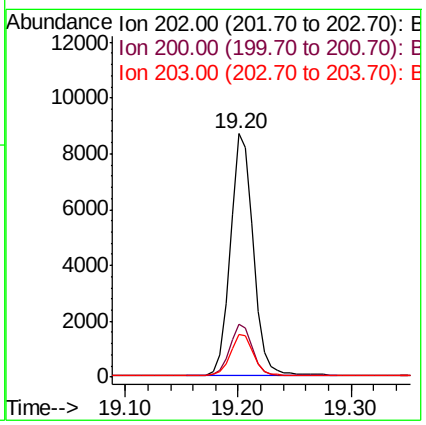


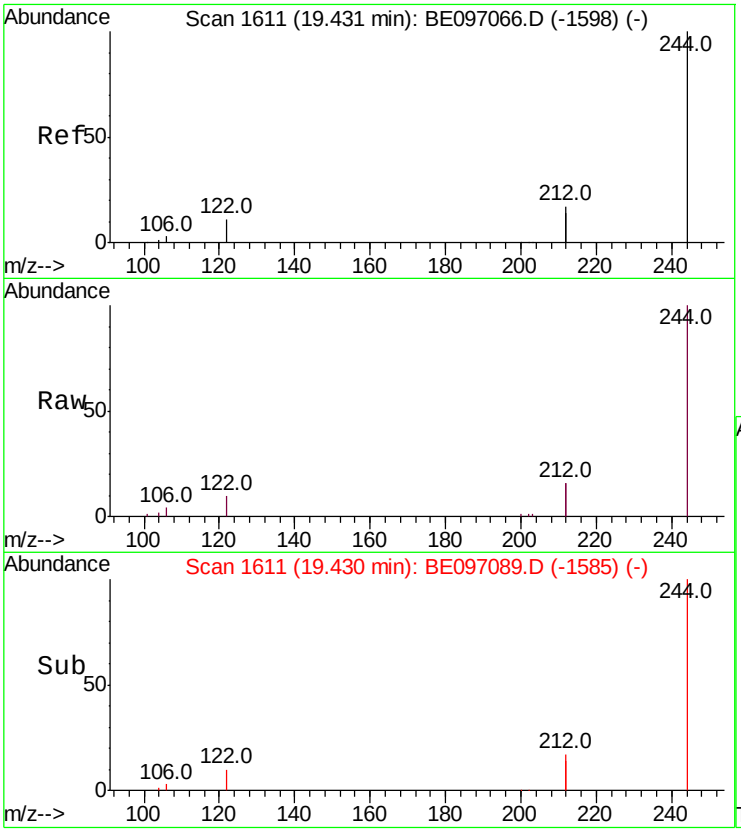


#28
Pyrene
Concen: 0.413 ng
RT: 19.20 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:202 Resp: 12316

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.6	25.0
203	17.3	13.8	20.8



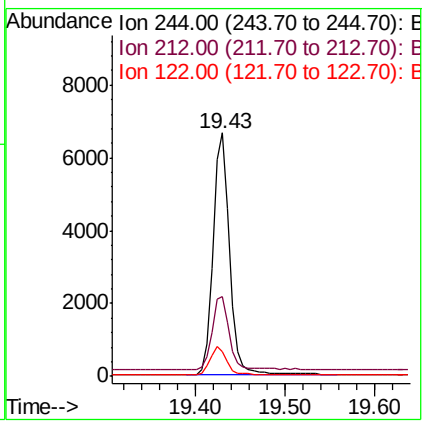


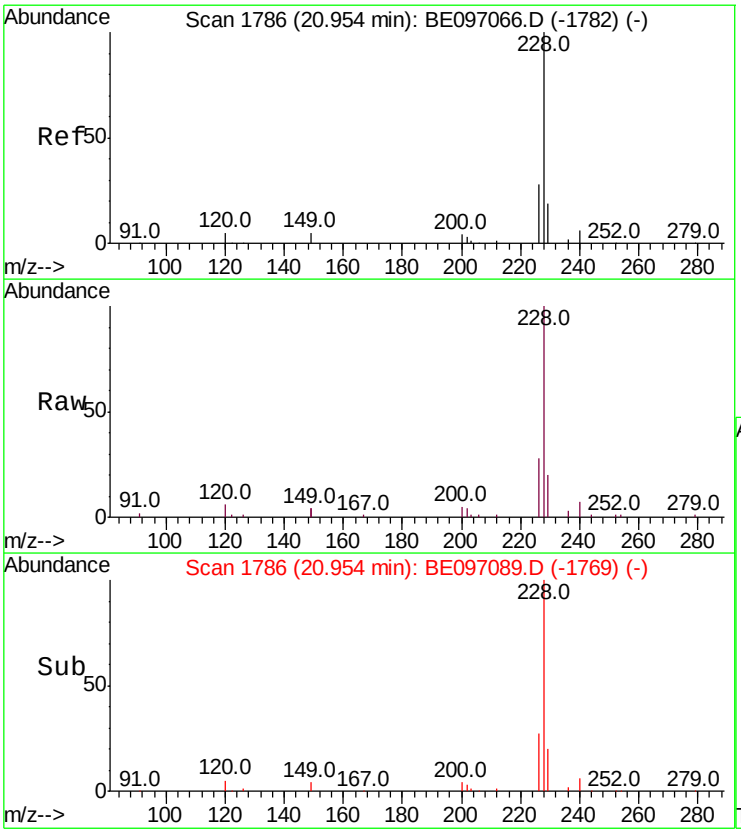
#29
Terphenyl-d14
Concen: 0.405 ng
RT: 19.43 min Scan# 1611
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 8459

Ion	Ratio	Lower	Upper
244	100		
212	32.8	25.4	38.0
122	10.3	8.1	12.1

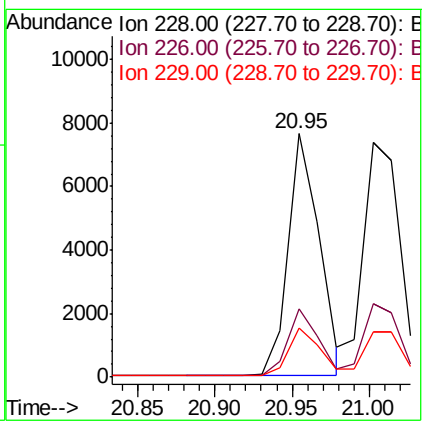


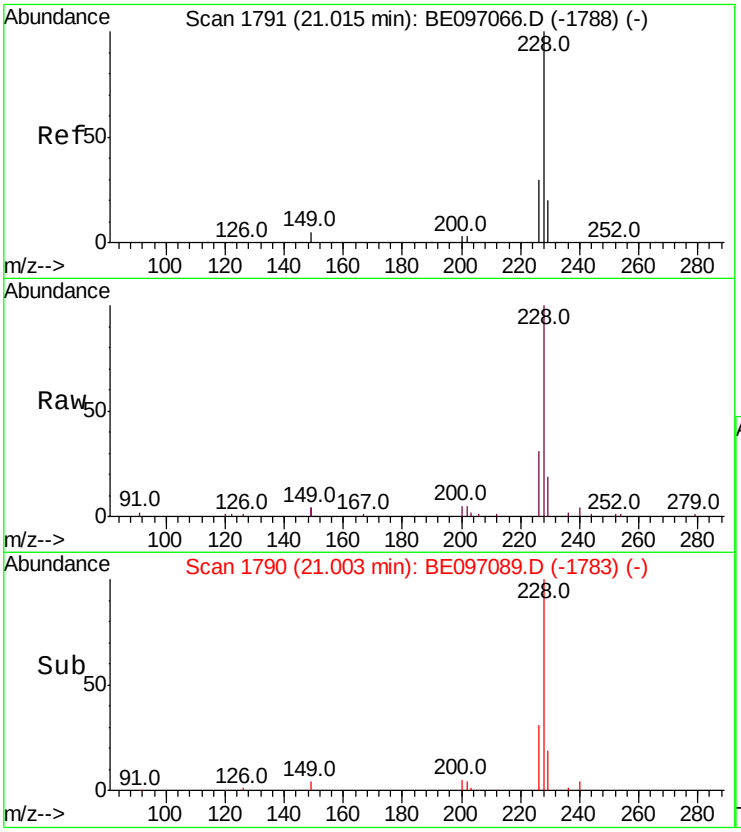


#30
Benzo(a)anthracene
Concen: 0.397 ng
RT: 20.95 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:228 Resp: 10752

Ion	Ratio	Lower	Upper
228	100		
226	27.9	24.0	36.0
229	20.0	16.0	24.0



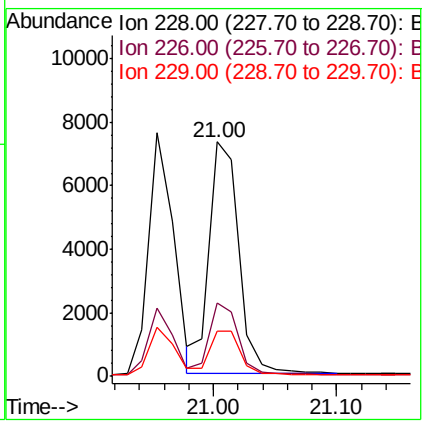


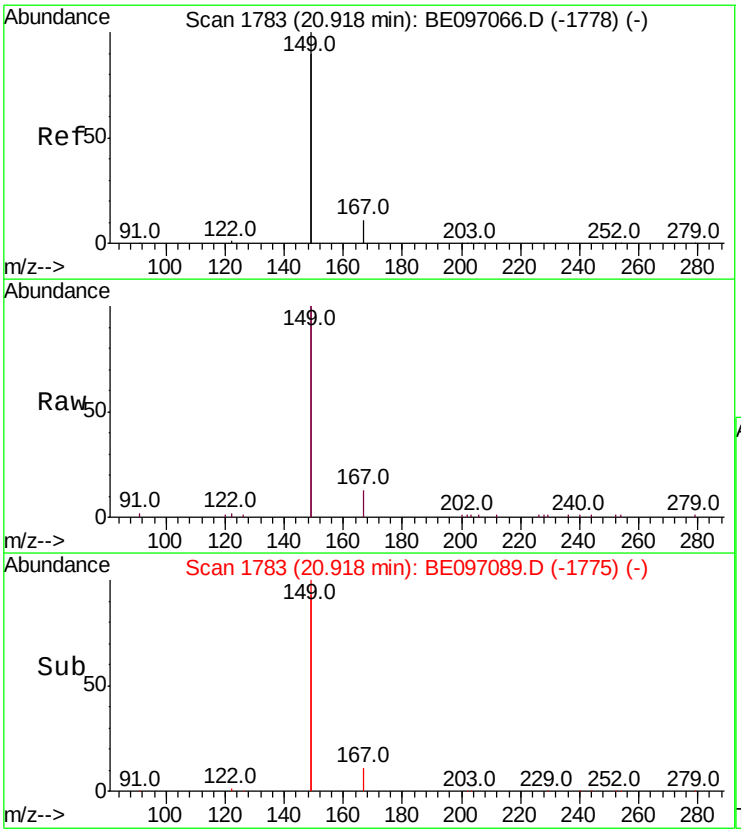
#31
Chrysene
Concen: 0.421 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 12216

Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.0	36.0
229	19.3	16.0	24.0

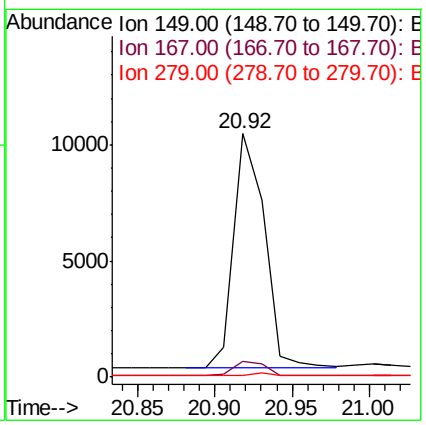


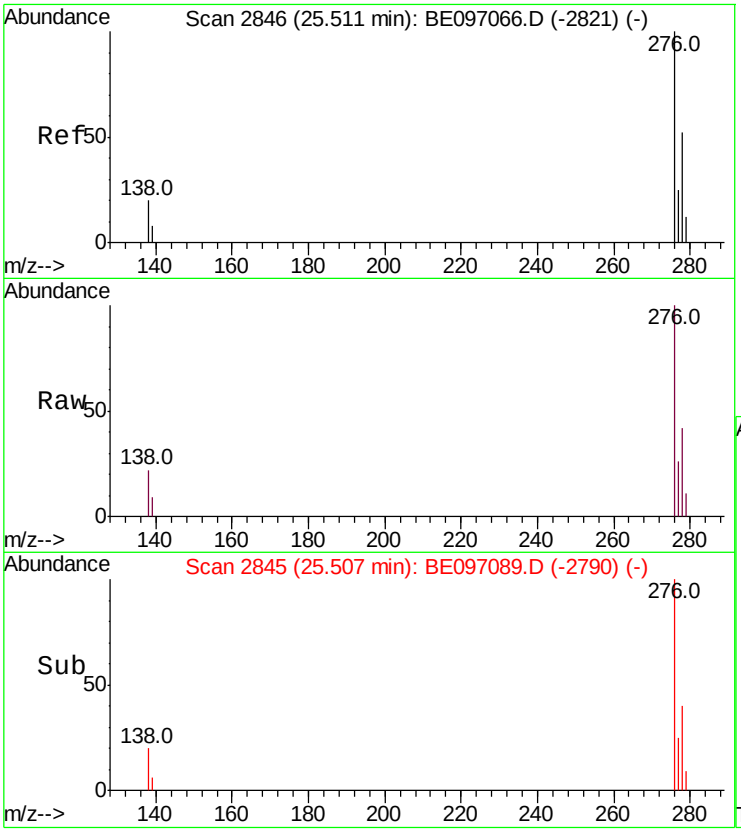


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.485 ng
RT: 20.92 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:149 Resp: 13985

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.4	8.0
279	0.9	0.7	1.1



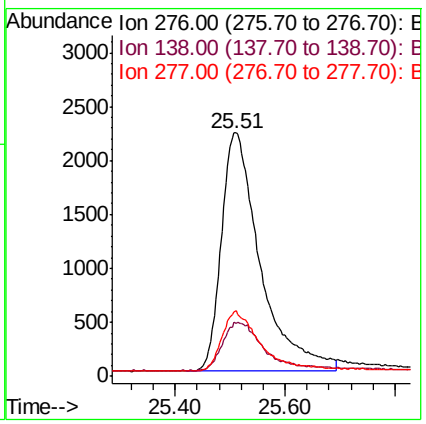


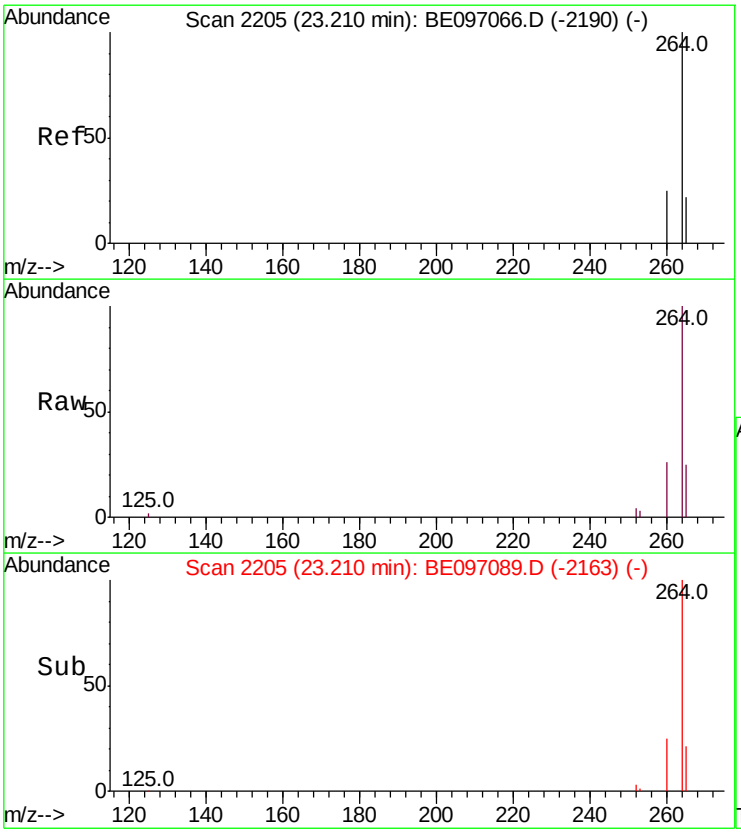
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.415 ng
RT: 25.51 min Scan# 2845
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 10894

Ion	Ratio	Lower	Upper
276	100		
138	20.8	22.5	33.7#
277	24.0	19.9	29.9

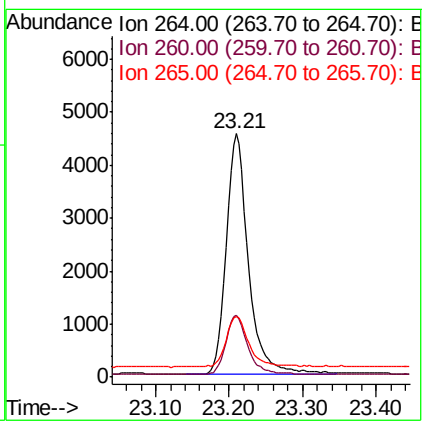


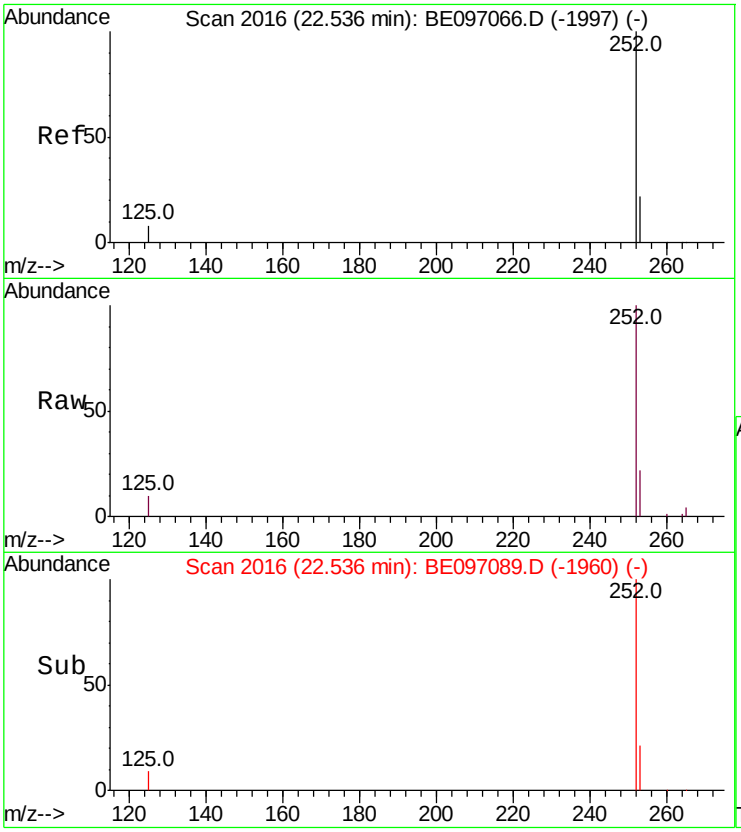


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:264 Resp: 9716

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	25.1	22.8	34.2



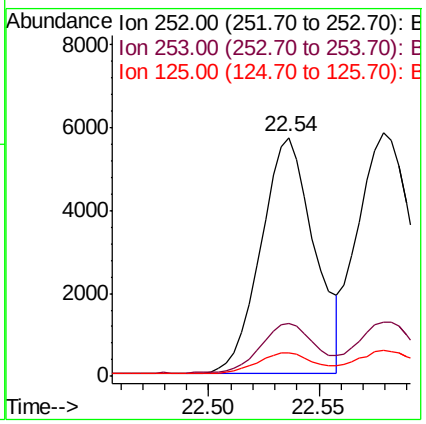


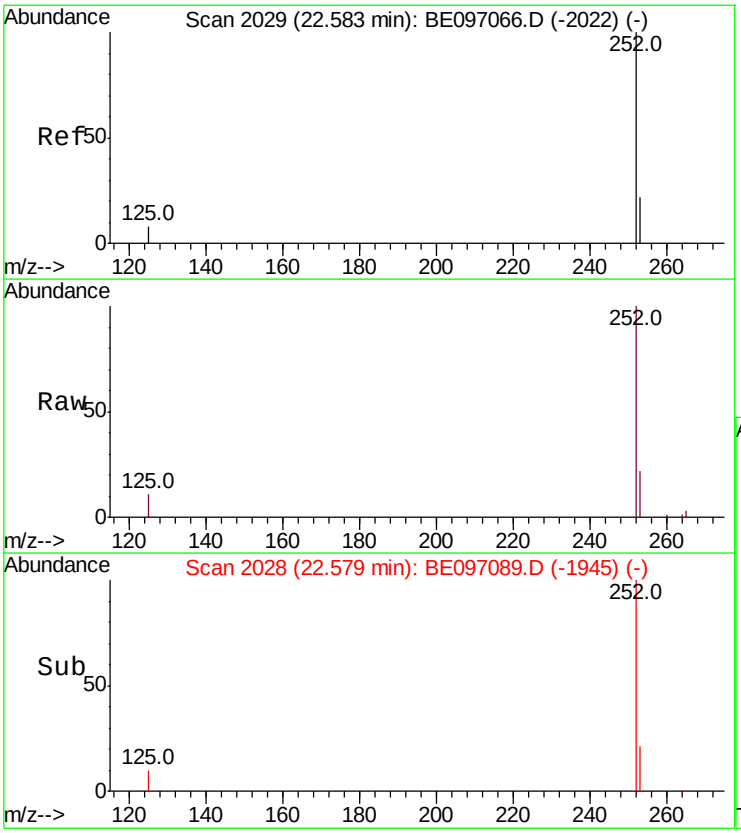
#35
Benzo(b)fluoranthene
Concen: 0.389 ng
RT: 22.54 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9601

Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.0	30.0
125	9.8	16.0	24.0#

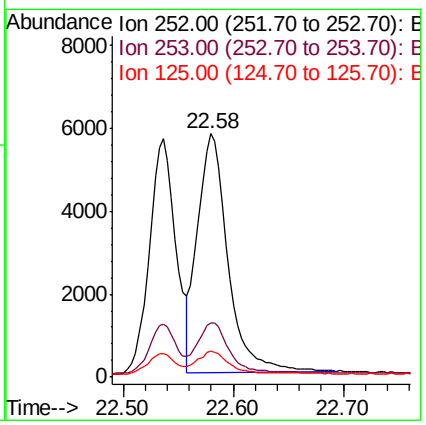


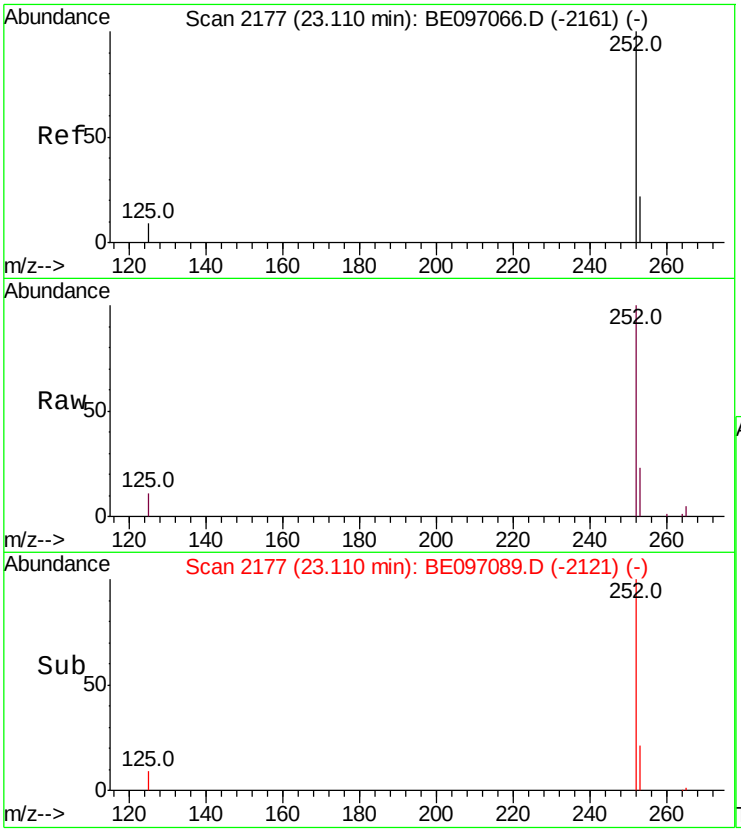


#36
Benzo(k)fluoranthene
Concen: 0.386 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:252 Resp: 11099

Ion	Ratio	Lower	Upper
252	100		
253	22.2	16.0	24.0
125	10.7	8.0	12.0



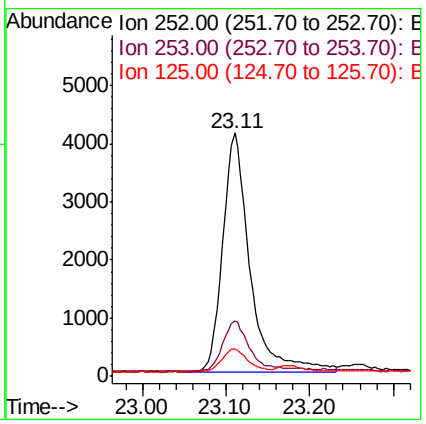


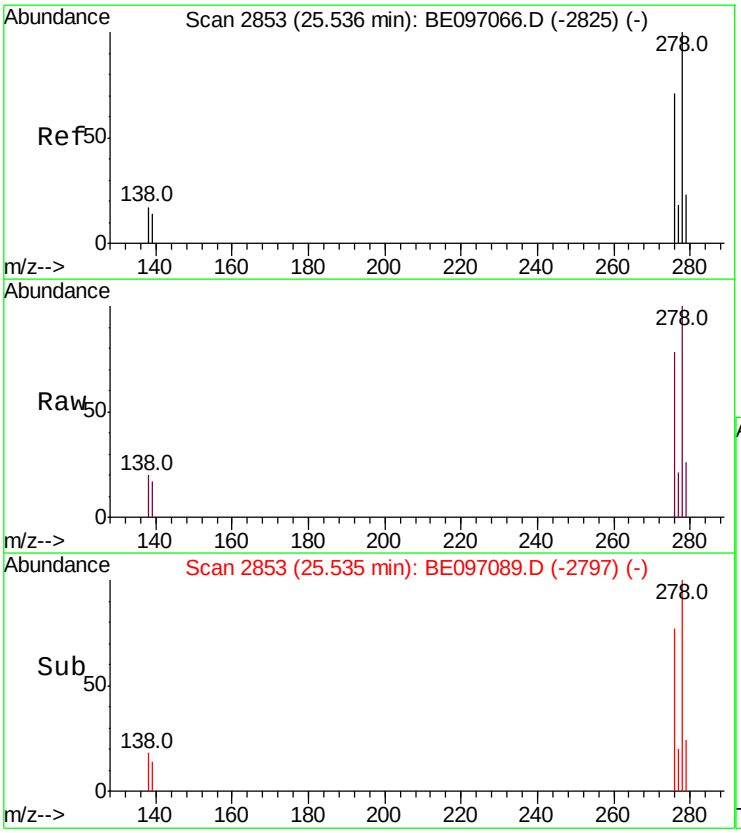
#37
Benzo(a)pyrene
Concen: 0.400 ng
RT: 23.11 min Scan# 2177
Delta R.T. 0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 9271

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.0	24.0
125	11.1	12.0	18.0#

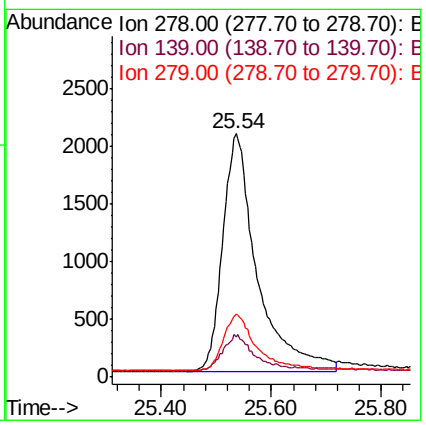


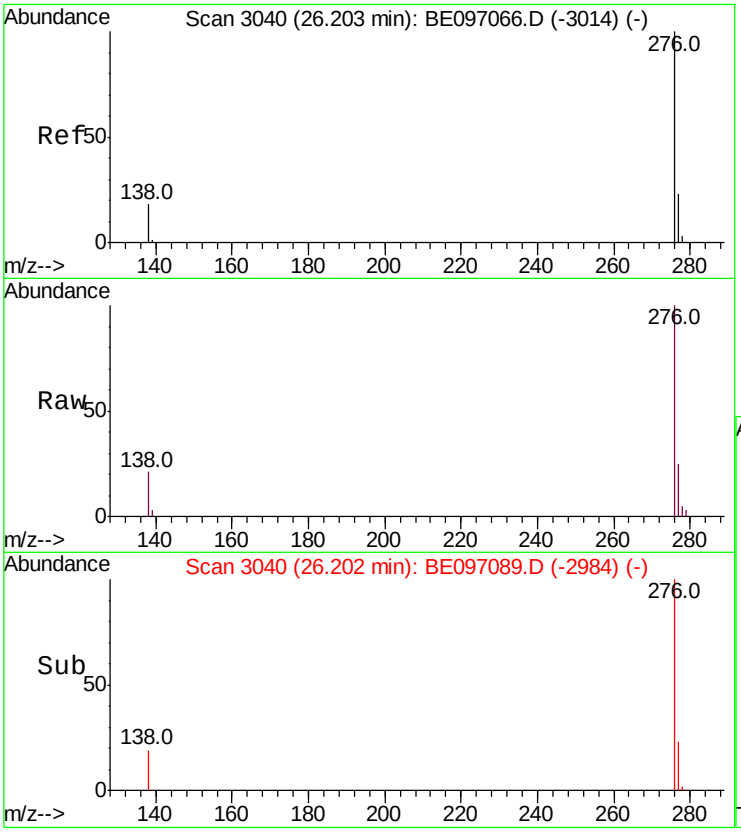


#38
Dibenzo(a,h)anthracene
Concen: 0.389 ng
RT: 25.54 min Scan# 2853
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Tgt Ion:278 Resp: 9001

Ion	Ratio	Lower	Upper
278	100		
139	16.6	16.0	24.0
279	25.7	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.385 ng
RT: 26.20 min Scan# 3040
Delta R.T. -0.00 min
Lab File: BE097089.D
Acq: 25 Jul 2018 1:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 9464

Ion	Ratio	Lower	Upper
276	100		
277	24.5	16.0	24.0#
138	20.7	20.0	30.0