Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE082018\
Data File : BE097336.D
Acq On : 20 Aug 2018 17:20
Operator : SJ/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC3.2

Quant Time: Aug 20 18:18:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE082018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 20 16:08:48 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	997	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	5111	0.40	ng		0.00
13) Acenaphthene-d10	14.01	164	2876	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	6408	0.40	ng		0.00
27) Chrysene-d12	20.97	240	6755	0.40	ng		-0.01
34) Perylene-d12	23.21	264	4671	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.05	112	7960	2.43	ng		0.00
5) Phenol-d6	6.59	99	12819	2.74	ng		0.00
8) Nitrobenzene-d5	0.00	82	0d	0.00	ng		
11) 2-Methylnaphthalene-d10	11.72	152	23777	3.20	ng		0.00
14) 2,4,6-Tribromophenol	0.00	330	0d	0.00	ng		
15) 2-Fluorobiphenyl	12.62	172	33836	3.13	ng		-0.01
25) Fluoranthene-d10	18.80	212	215698	3.37	ng		0.00
29) Terphenyl-d14	19.42	244	42874	3.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	4450	3.972	ng	#	86
3) n-Nitrosodimethylamine	3.37	42	4907	3.777	ng	#	87
6) bis(2-Chloroethyl)ether	6.83	93	11226	3.010	ng		99
9) Naphthalene	10.18	128	150503	3.150	ng		99
10) Hexachlorobutadiene	10.47	225	6291	2.915	ng		97
12) 2-Methylnaphthalene	11.80	142	25189	3.220	ng		99
16) Acenaphthylene	13.73	152	40044	3.016	ng		100
17) Acenaphthene	14.07	154	25113	3.291	ng		95
18) Fluorene	15.06	166	31189	3.293	ng	#	80
20) 4-Bromophenyl-phenylether	15.96	248	10639	3.177	ng	#	79
21) Hexachlorobenzene	16.08	284	11972	3.152	ng	#	83
22) Pentachlorophenol	16.43	266	2328	2.756	ng	#	71
23) Phenanthrene	16.80	178	51495	3.330	ng		99
28) Pyrene	19.20	202	58532	3.214	ng		99
30) Benzo(a)anthracene	20.95	228	53241	3.134	ng		97
31) Chrysene	21.00	228	59855	3.443	ng		98
33) Indeno(1,2,3-cd)pyrene	25.52	276	39893	2.129	ng	#	93
35) Benzo(b)fluoranthene	22.54	252	44067	3.794	ng	#	87
36) Benzo(k)fluoranthene	22.58	252	58131	4.115	ng		96
37) Benzo(a)pyrene	23.11	252	41628	3.569	ng	#	93
38) Dibenzo(a,h)anthracene	25.54	278	35362	3.071	ng	#	94
39) Benzo(g,h,i)perylene	26.21	276	33773	2.907	ng	#	90

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

Quantitation Report (QT Reviewed)

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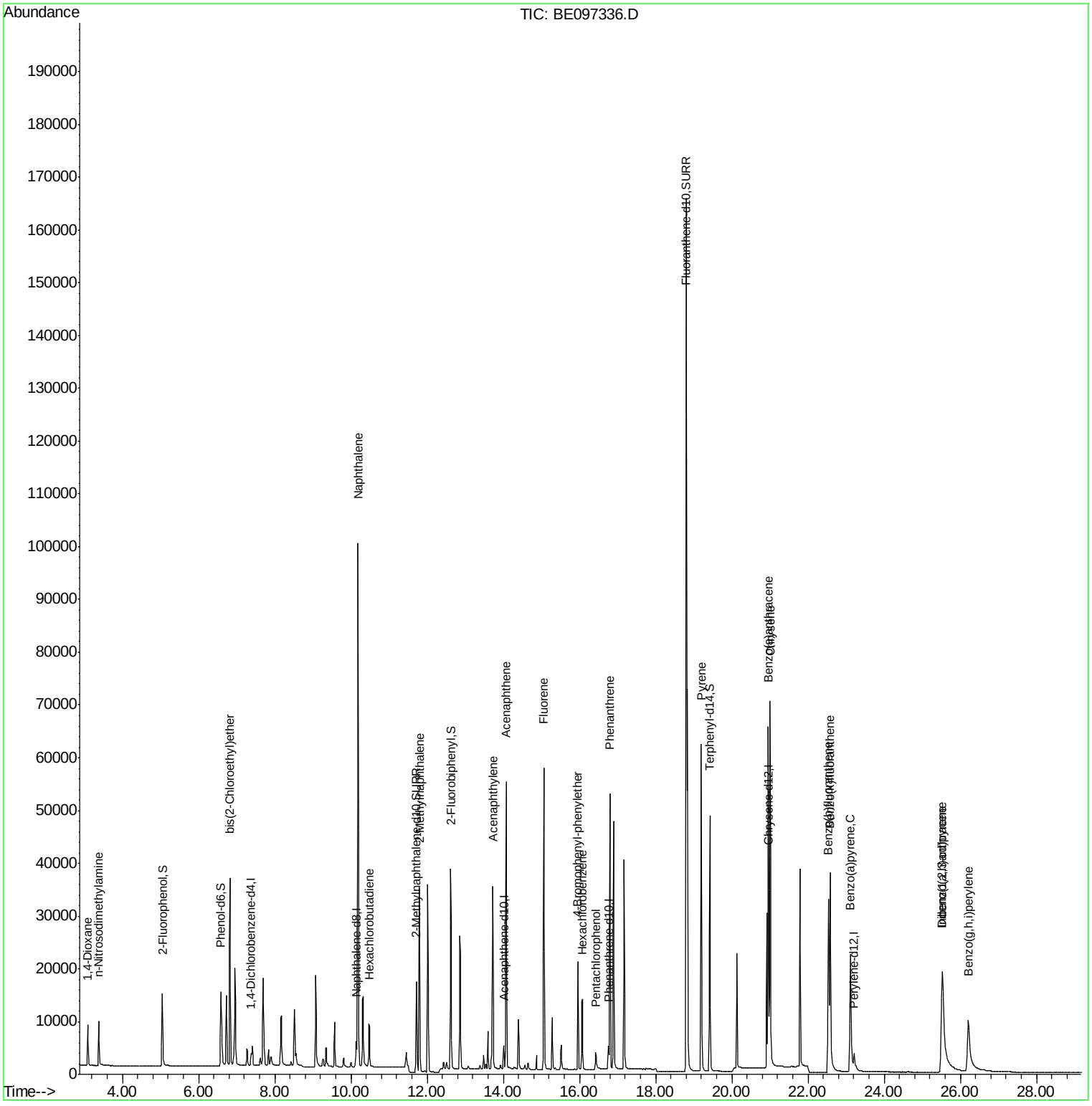
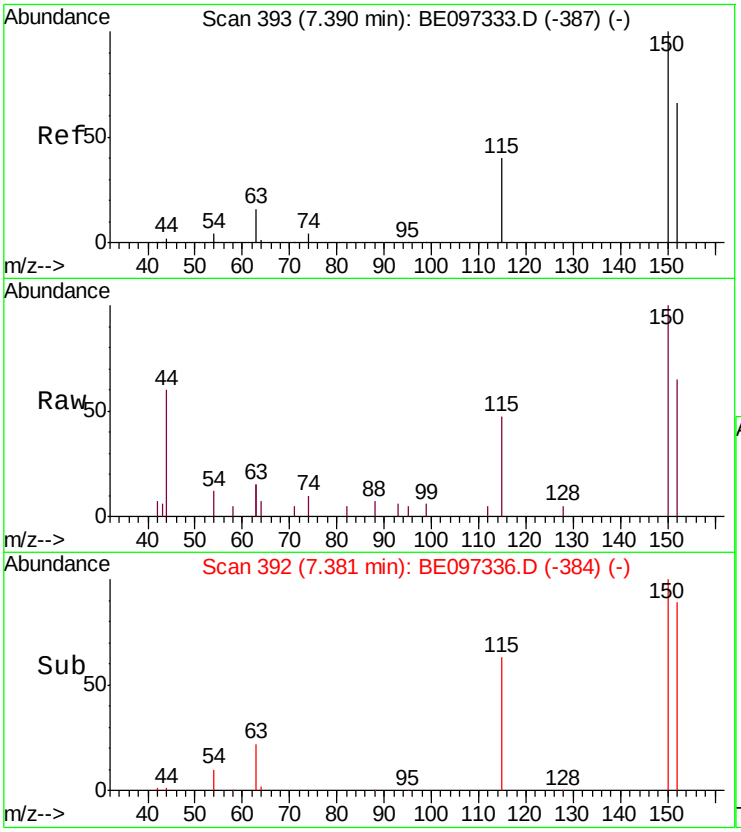
Acq On : 20 Aug 2018 17:20
Operator : SJ/JU
Sample : SSTDICC3.2
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Quant Time: Aug 20 18:18:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE082018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 20 16:08:48 2018
Response via : Initial Calibration



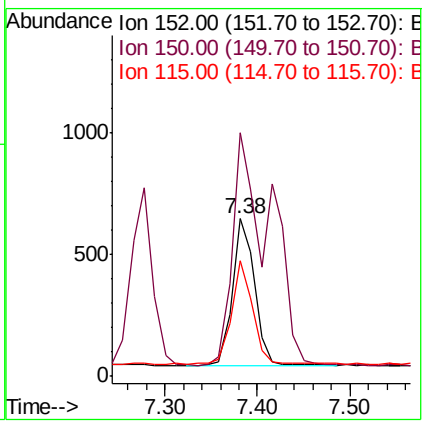


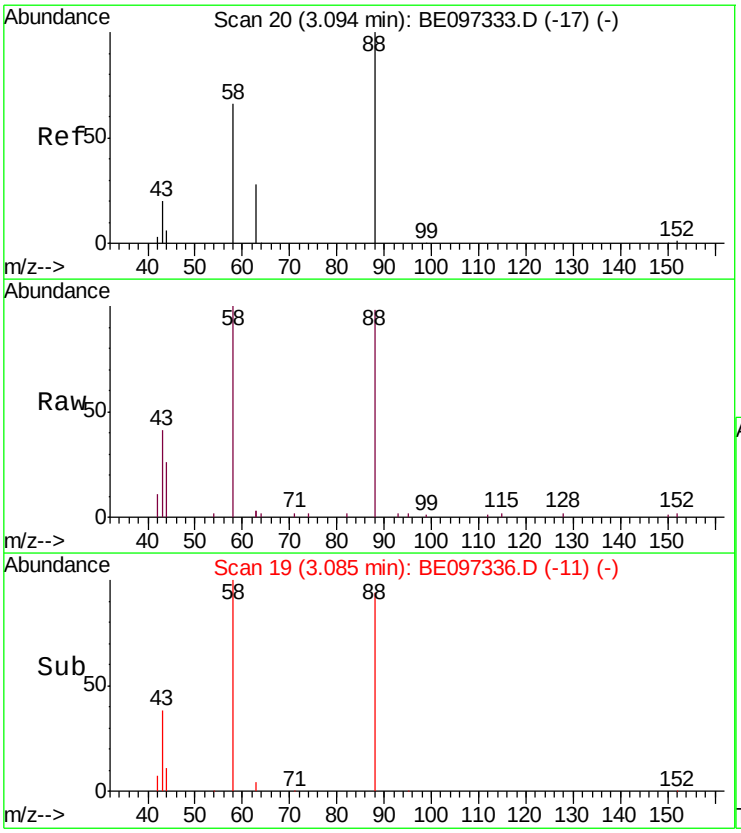
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 997

Ion	Ratio	Lower	Upper
152	100		
150	154.5	117.2	175.8
115	73.1	57.0	85.6

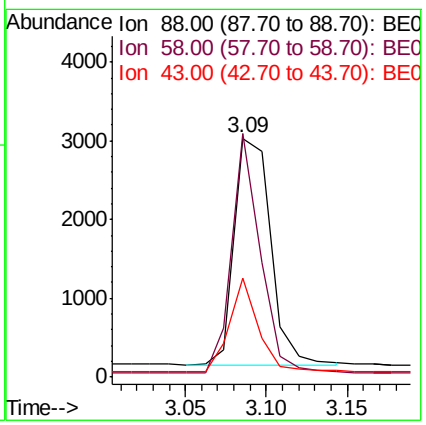


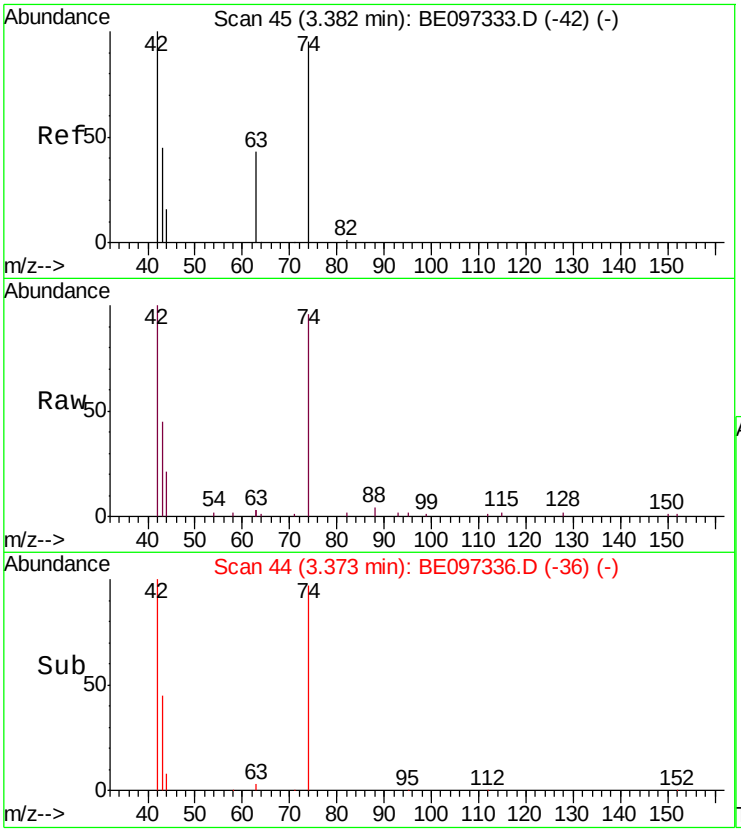


#2
1,4-Dioxane
Concen: 3.972 ng
RT: 3.09 min Scan# 19
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 88 Resp: 4450

Ion	Ratio	Lower	Upper
88	100		
58	83.6	63.2	94.8
43	32.3	41.2	61.8#



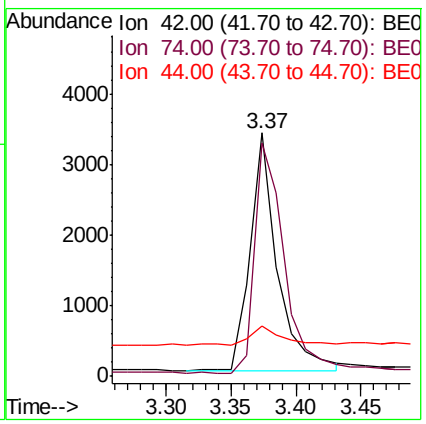


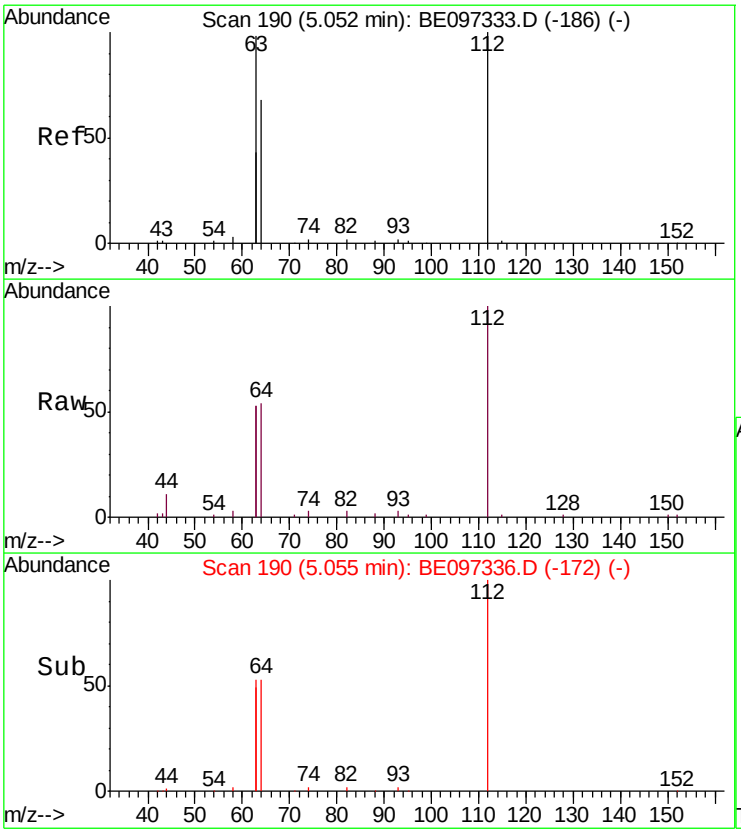
#3
n-Nitrosodimethylamine
Concen: 3.777 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 42 Resp: 4907

Ion	Ratio	Lower	Upper
42	100		
74	105.4	96.0	144.0
44	8.9	12.0	18.0#

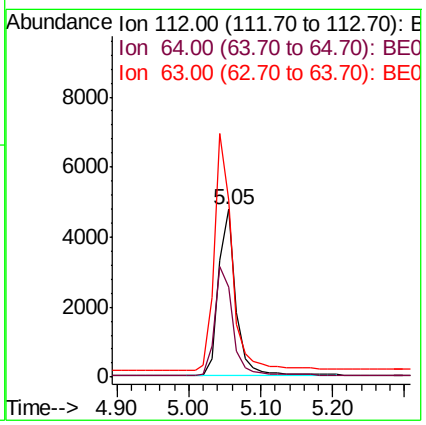


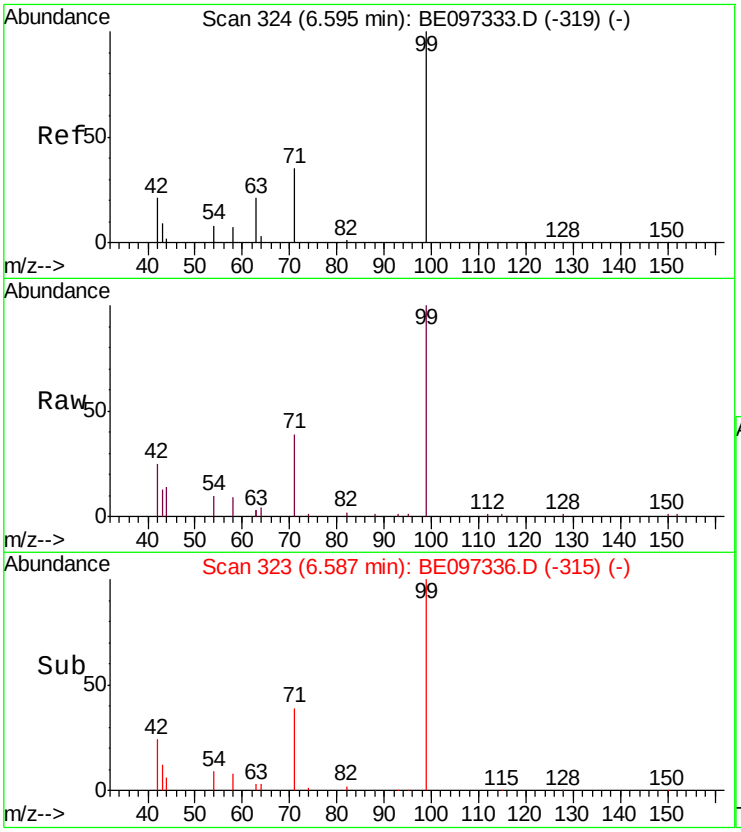


#4
2-Fluorophenol
Concen: 2.429 ng
RT: 5.05 min Scan# 190
Delta R.T. 0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:112 Resp: 7960

Ion	Ratio	Lower	Upper
112	100		
64	68.7	60.1	90.1
63	142.7	116.8	175.2



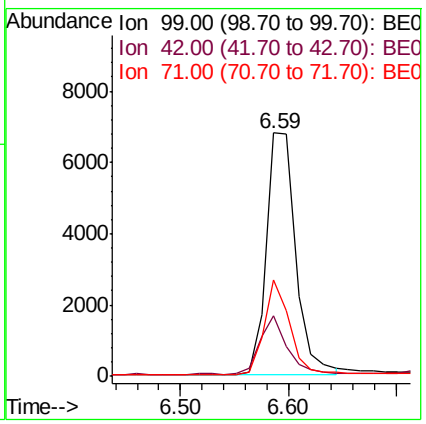


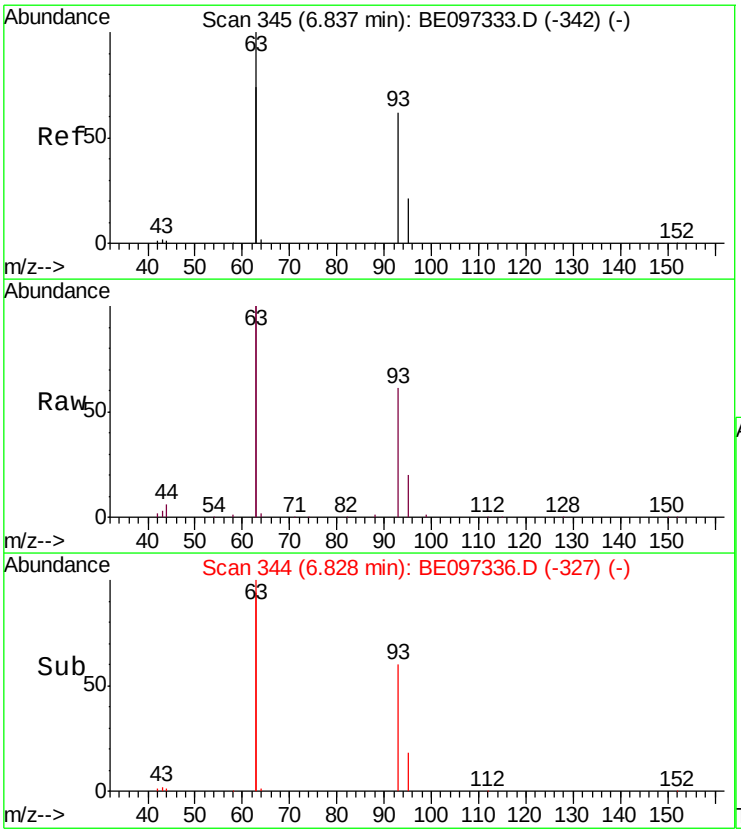
#5
Phenol-d6
Concen: 2.737 ng
RT: 6.59 min Scan# 323
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion: 99 Resp: 12819

Ion	Ratio	Lower	Upper
99	100		
42	22.4	20.2	30.2
71	33.9	28.4	42.6

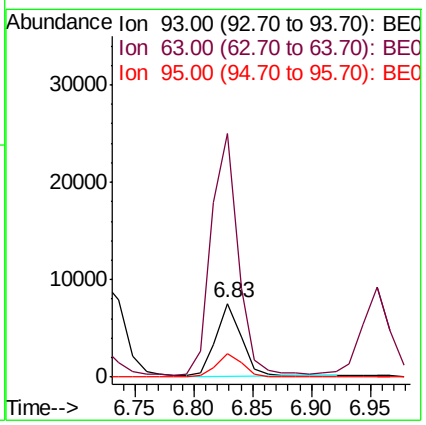


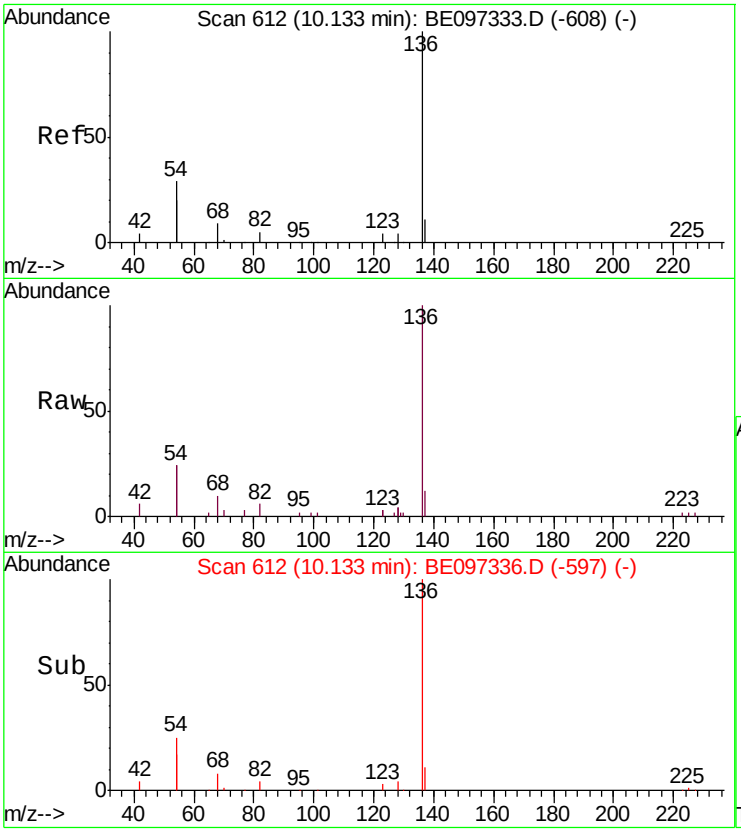


#6
bis(2-Chloroethyl)ether
Concen: 3.010 ng
RT: 6.83 min Scan# 344
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 93 Resp: 11226

Ion	Ratio	Lower	Upper
93	100		
63	346.4	275.3	412.9
95	32.4	25.2	37.8



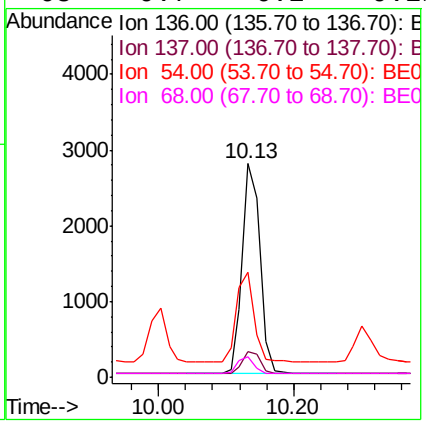


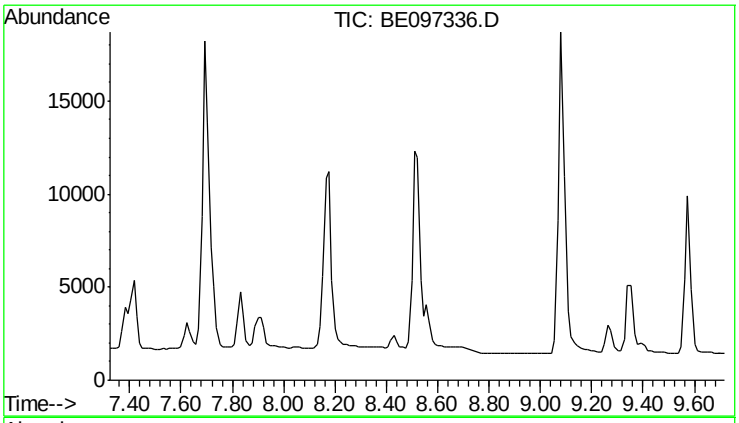
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. -0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:136 Resp: 5111

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	49.0	29.1	43.7#
68	9.7	6.2	9.2#



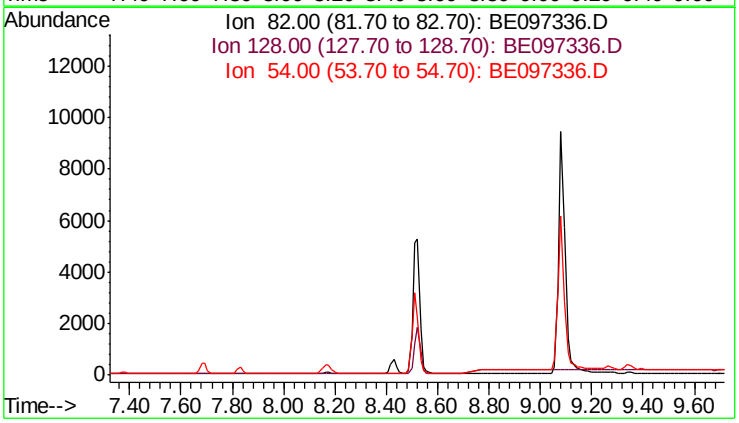


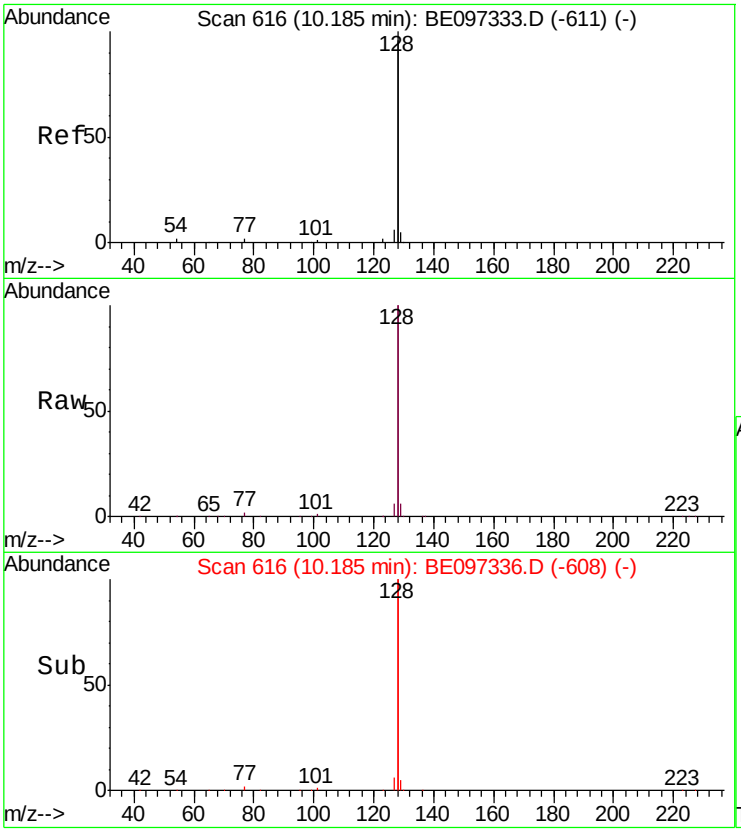
#8
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 8.52 min

Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	30.0
54	50.0



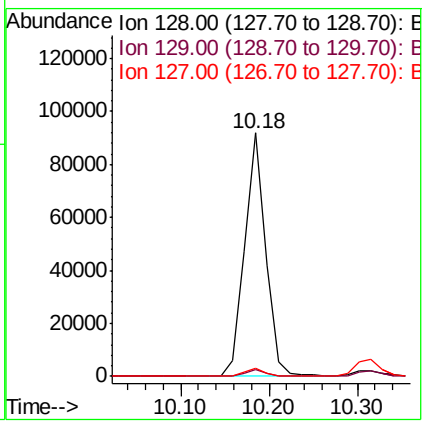


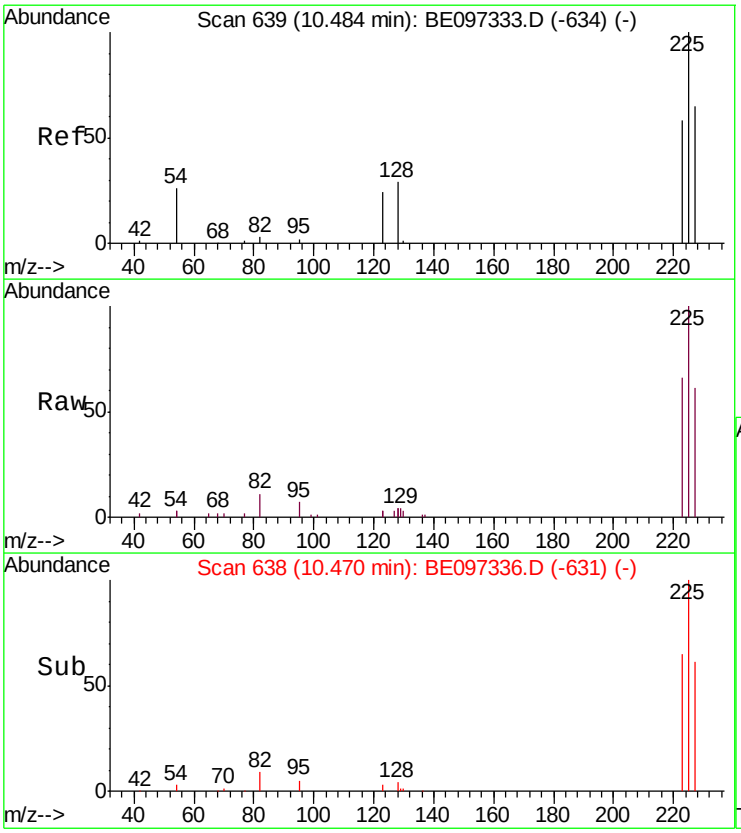
#9
Naphthalene
Concen: 3.150 ng
RT: 10.18 min Scan# 616
Delta R.T. -0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:128 Resp: 150503

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

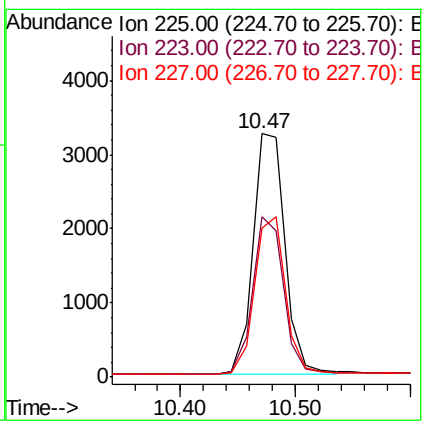


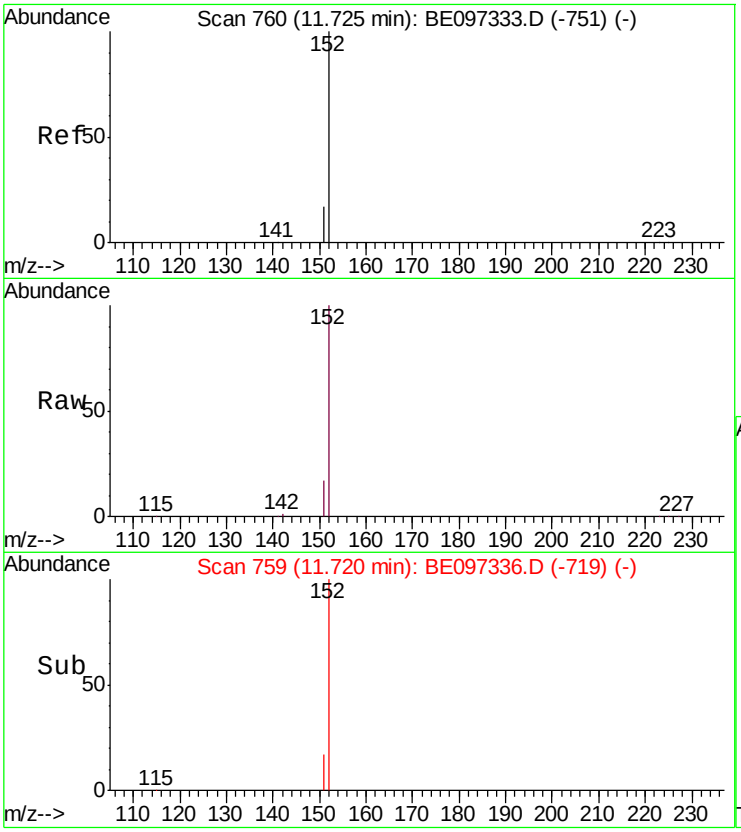


#10
Hexachlorobutadiene
Concen: 2.915 ng
RT: 10.47 min Scan# 638
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:225 Resp: 6291

Ion	Ratio	Lower	Upper
225	100		
223	62.9	53.0	79.6
227	63.5	51.4	77.2



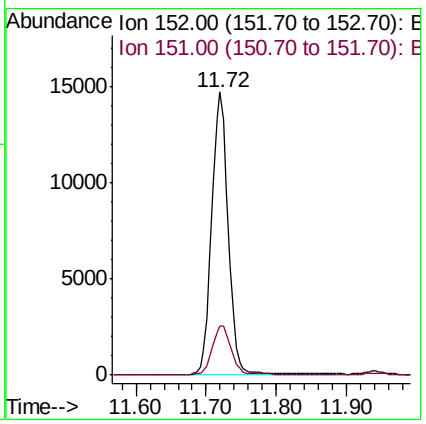


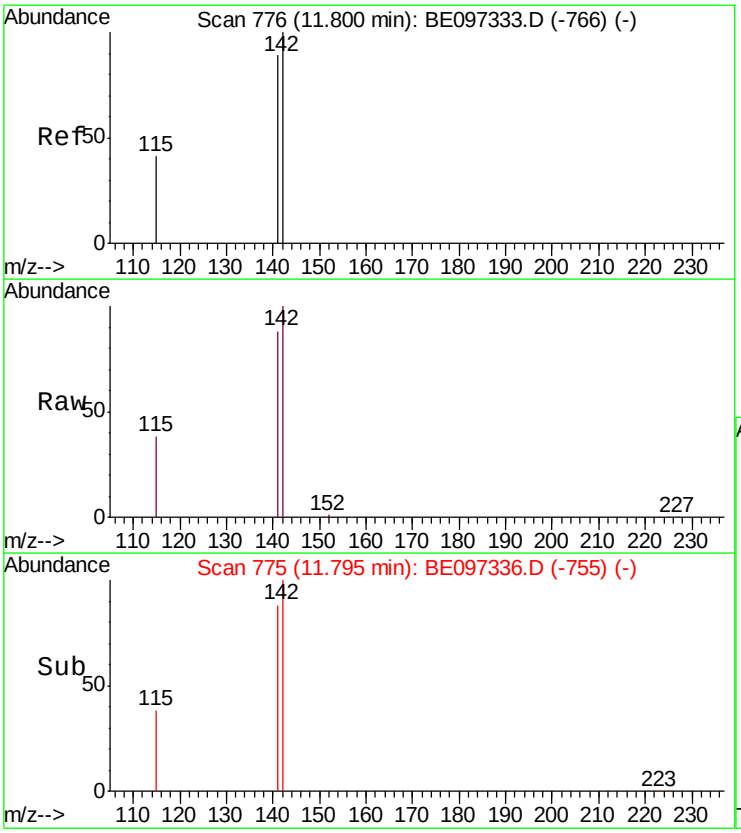
#11
2-Methylnaphthalene-d10
Concen: 3.201 ng
RT: 11.72 min Scan# 759
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:152 Resp: 23777

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.4	23.0

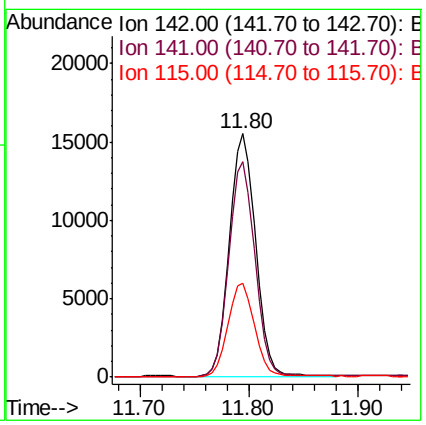


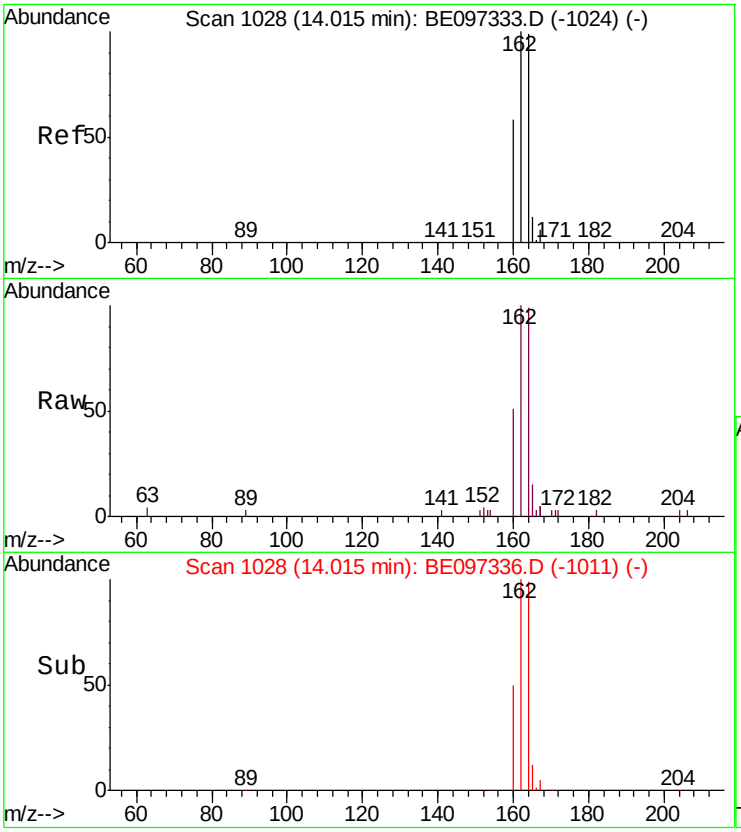


#12
2-Methylnaphthalene
Concen: 3.220 ng
RT: 11.80 min Scan# 775
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:142 Resp: 25189

Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.4	105.6
115	38.5	31.7	47.5



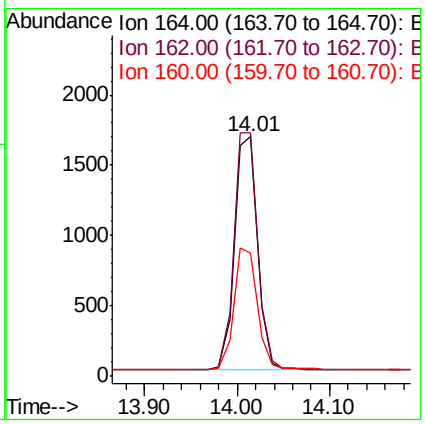


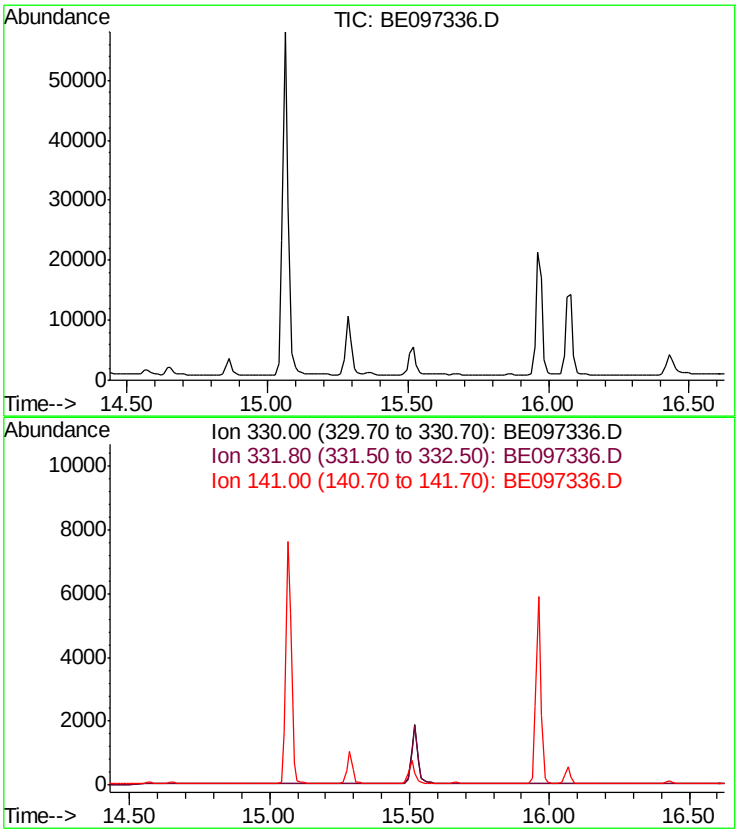
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.01 min Scan# 1028
Delta R.T. -0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:164 Resp: 2876

Ion	Ratio	Lower	Upper
164	100		
162	101.4	83.1	124.7
160	51.5	37.1	55.7



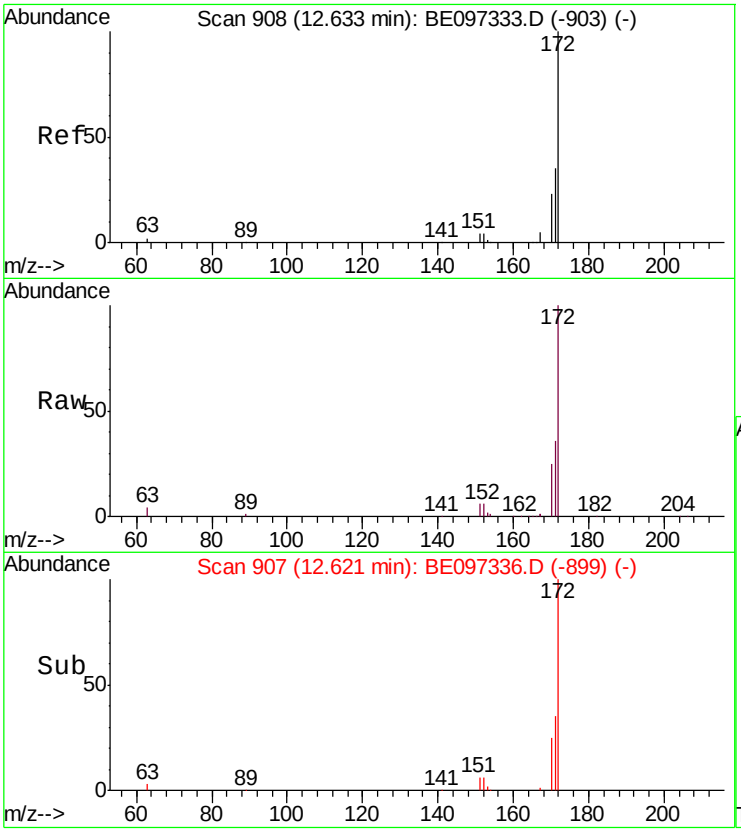


#14
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 15.53 min

Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	190.9
141	42.1

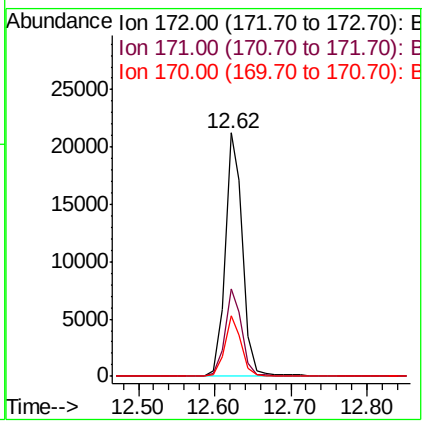


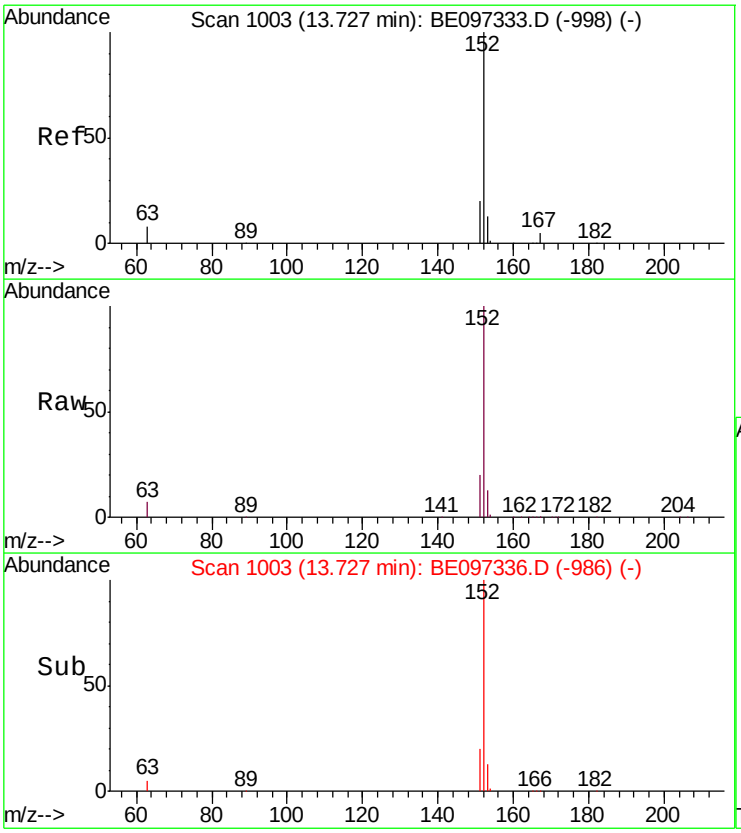
#15
2-Fluorobiphenyl
Concen: 3.131 ng
RT: 12.62 min Scan# 907
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:172 Resp: 33836

Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.9	44.9
170	24.9	21.8	32.8

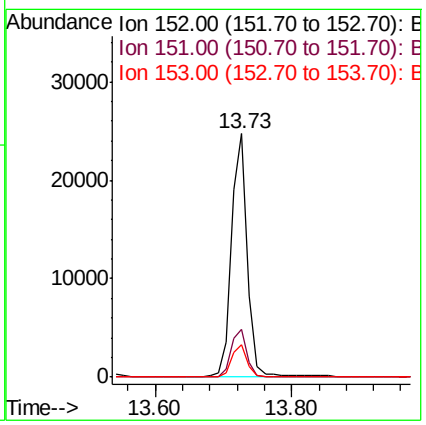


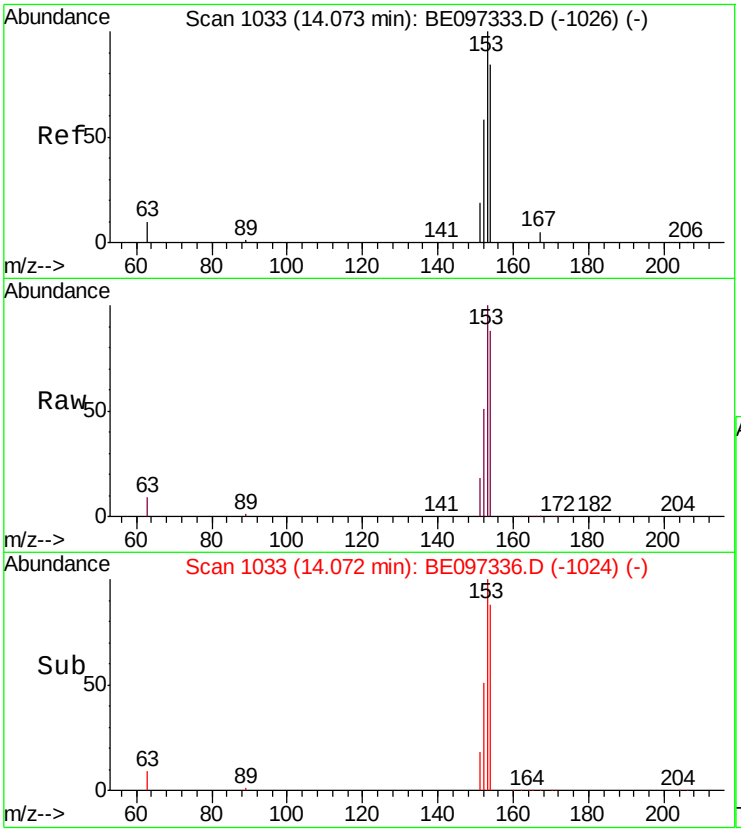


#16
Acenaphthylene
Concen: 3.016 ng
RT: 13.73 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:152 Resp: 40044

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.0	10.5	15.7



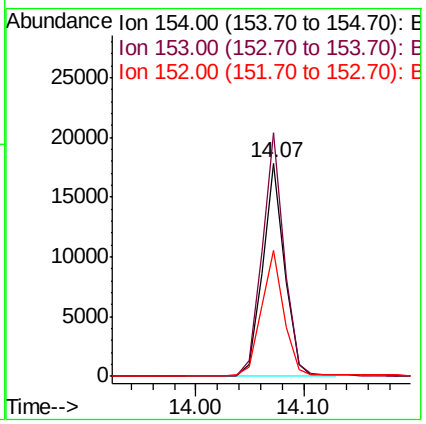


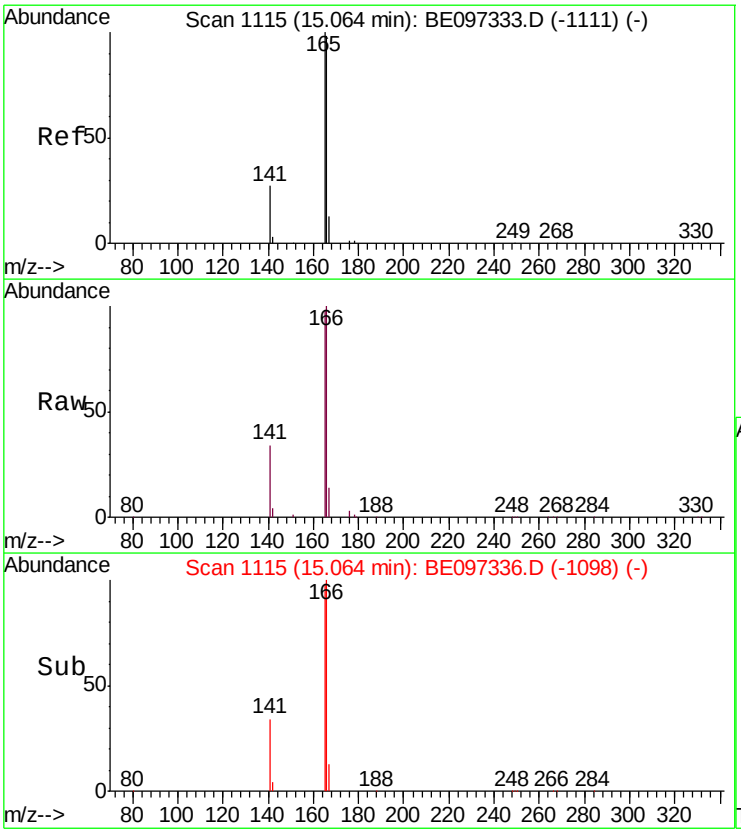
#17
Acenaphthene
Concen: 3.291 ng
RT: 14.07 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:154 Resp: 25113

Ion	Ratio	Lower	Upper
154	100		
153	114.3	89.2	133.8
152	60.1	42.0	63.0

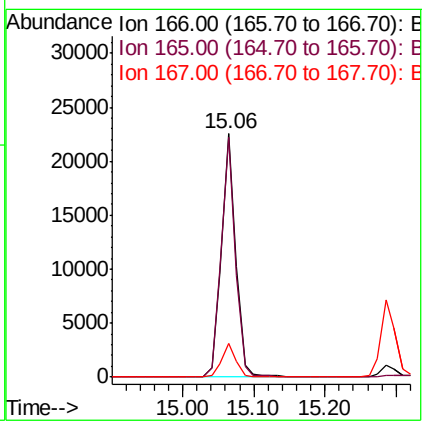


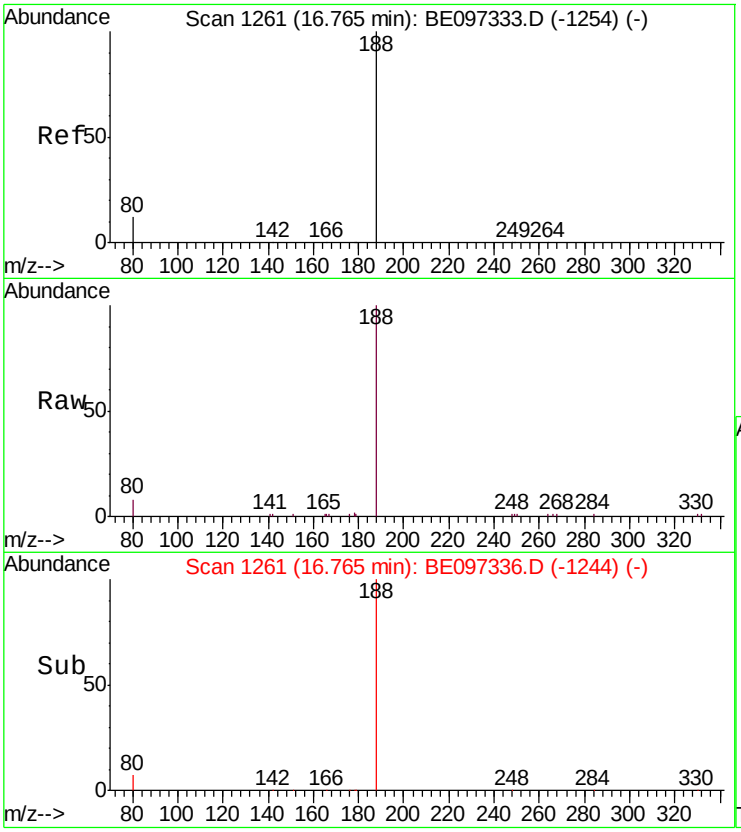


#18
Fluorene
Concen: 3.293 ng
RT: 15.06 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:166 Resp: 31189

Ion	Ratio	Lower	Upper
166	100		
165	98.0	77.8	116.6
167	13.6	42.4	63.6#



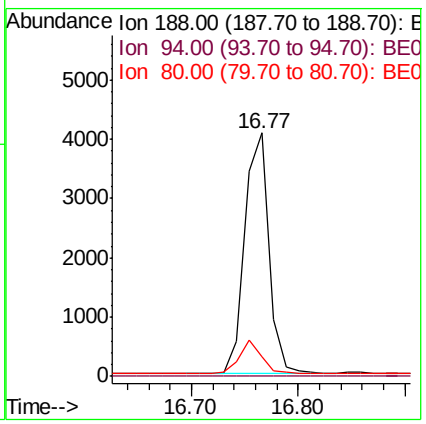


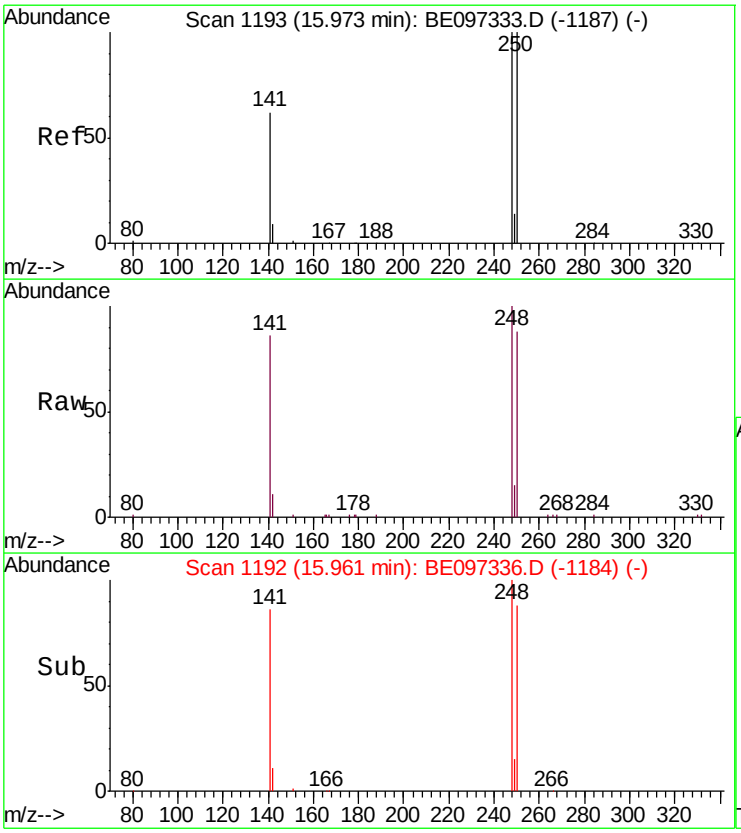
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1261
Delta R.T. -0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:188 Resp: 6408

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	7.9	3.6	5.4#

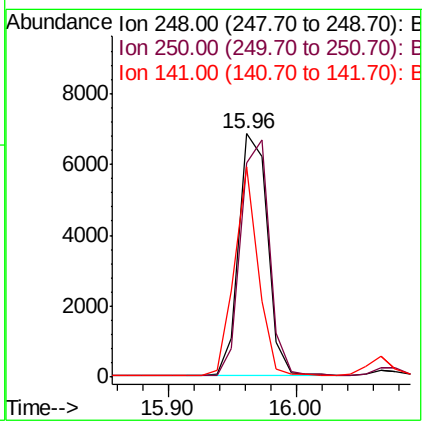


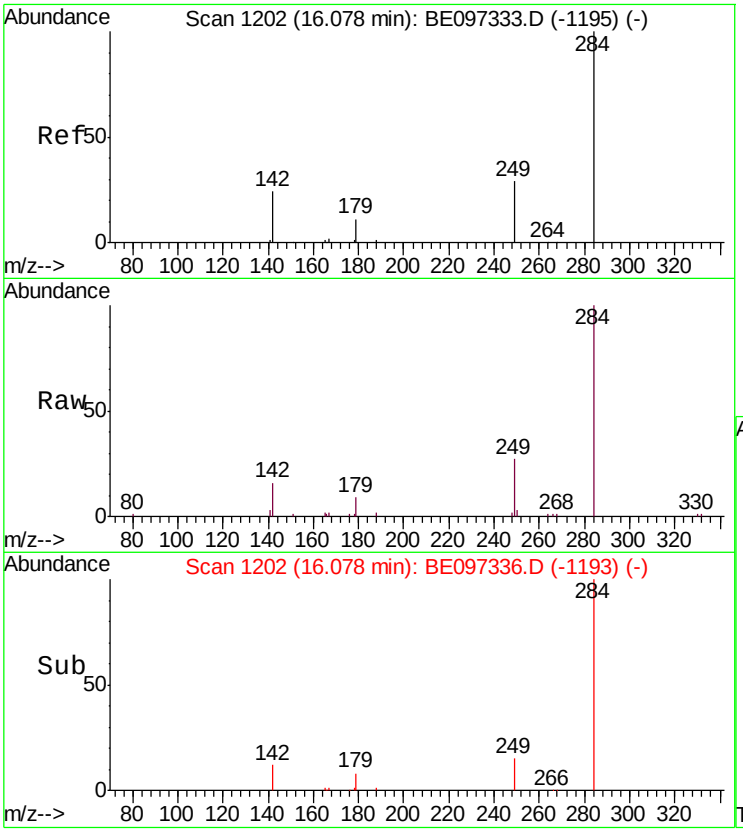


#20
4-Bromophenyl-phenylether
Concen: 3.177 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:248 Resp: 10639

Ion	Ratio	Lower	Upper
248	100		
250	87.7	62.7	94.1
141	86.3	48.2	72.2#



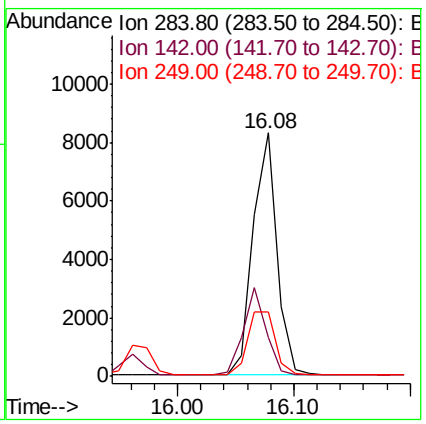


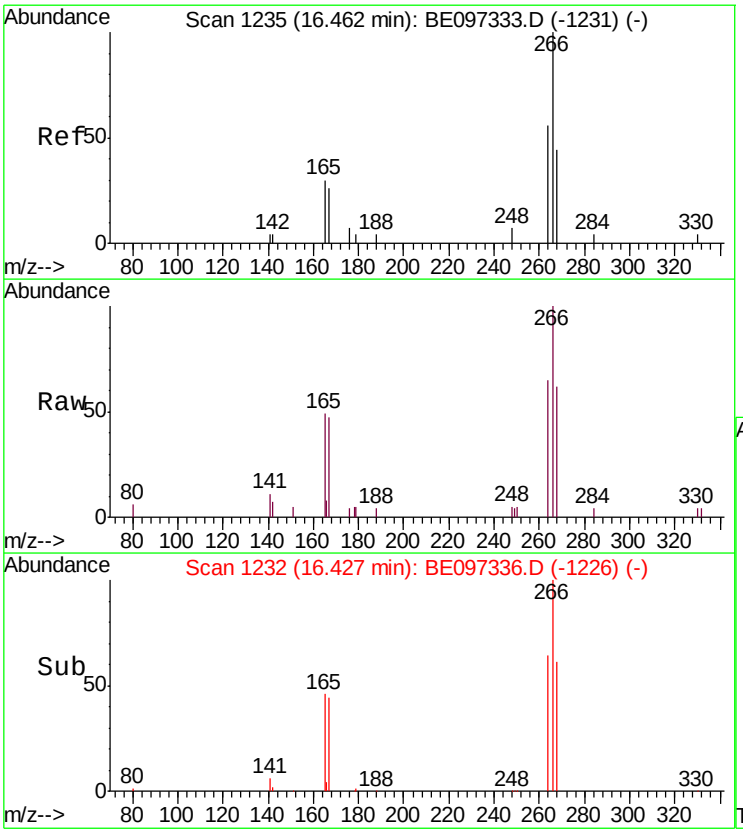
#21
Hexachlorobenzene
Concen: 3.152 ng
RT: 16.08 min Scan# 1202
Delta R.T. 0.00 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:284 Resp: 11972

Ion	Ratio	Lower	Upper
284	100		
142	34.0	22.1	33.1#
249	30.5	34.8	52.2#

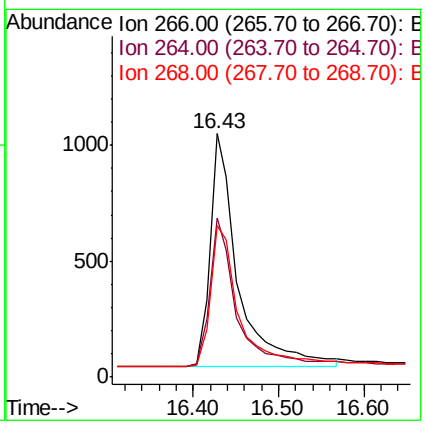


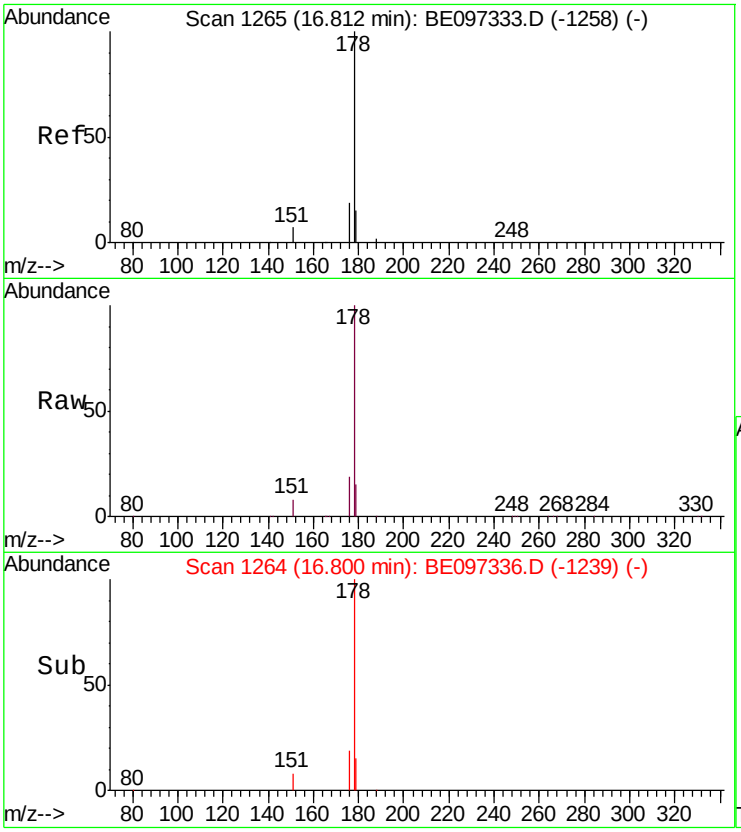


#22
Pentachlorophenol
Concen: 2.756 ng
RT: 16.43 min Scan# 1232
Delta R.T. -0.03 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:266 Resp: 2328

Ion	Ratio	Lower	Upper
266	100		
264	65.5	72.5	108.7#
268	62.4	73.8	110.6#



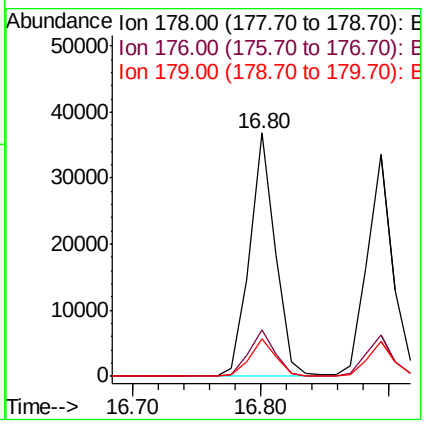


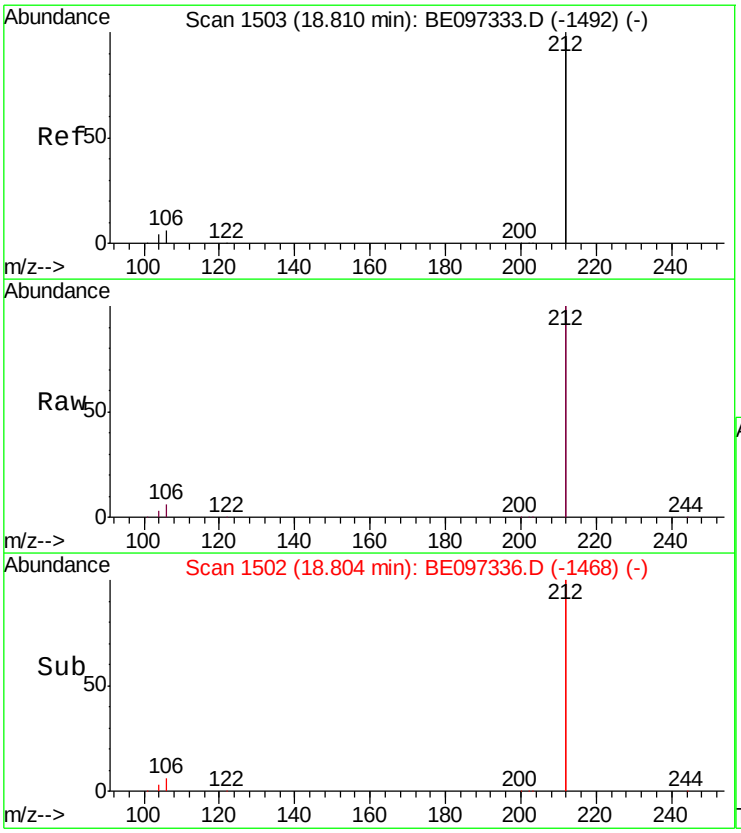
#23
Phenanthrene
Concen: 3.330 ng
RT: 16.80 min Scan# 1264
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:178 Resp: 51495

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.1	22.7
179	15.2	11.8	17.6

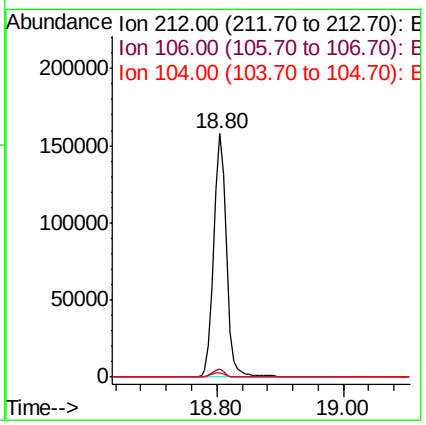


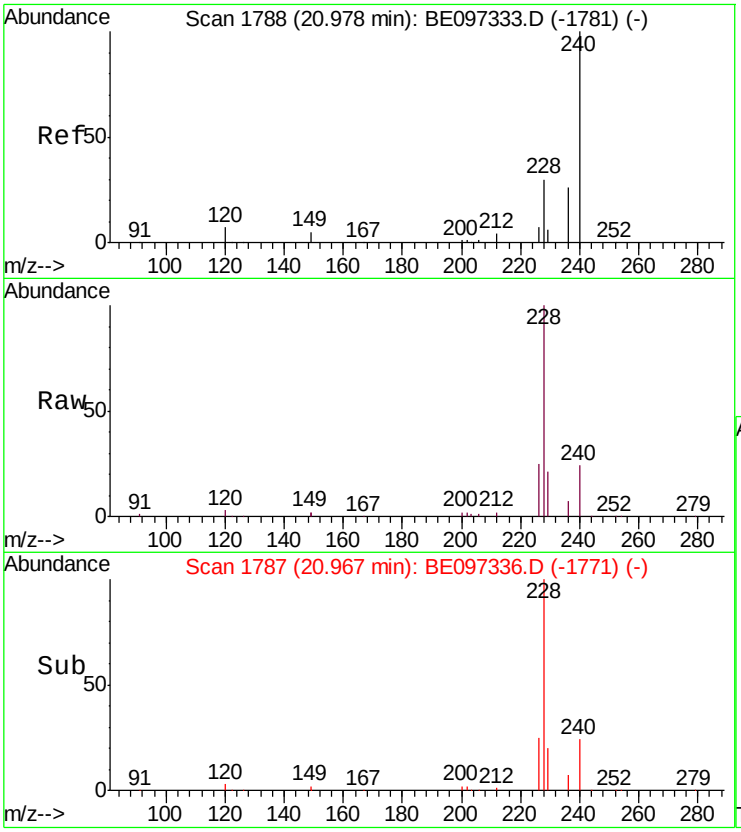


#25
Fluoranthene-d10
Concen: 3.368 ng
RT: 18.80 min Scan# 1502
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:212 Resp: 215698

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



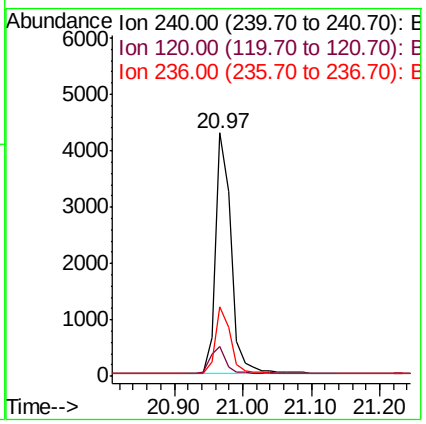


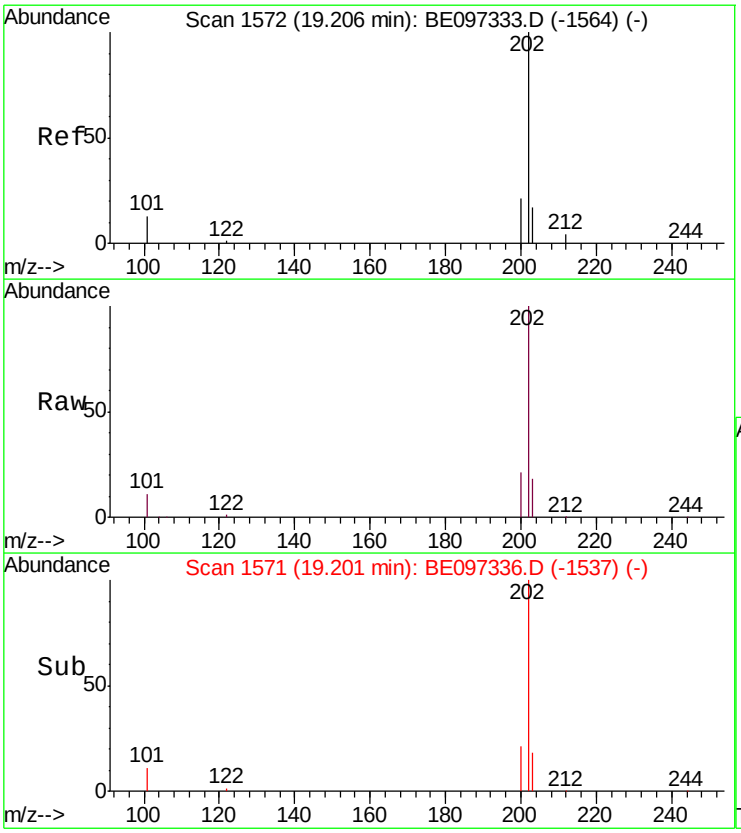
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1787
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:240 Resp: 6755

Ion	Ratio	Lower	Upper
240	100		
120	12.1	5.5	8.3#
236	28.5	20.7	31.1

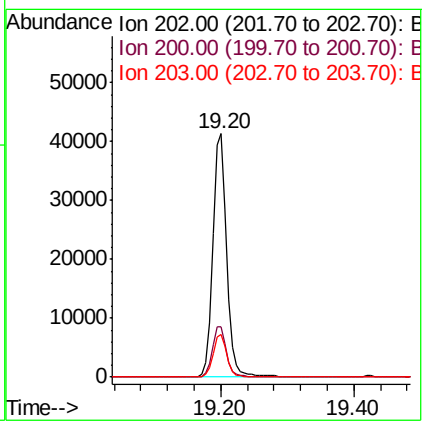


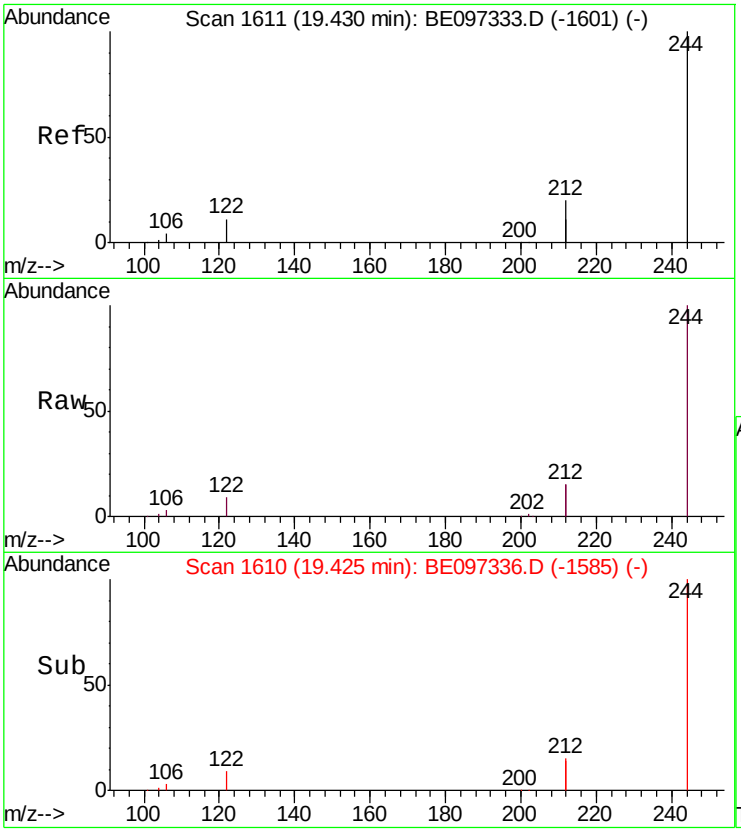


#28
Pyrene
Concen: 3.214 ng
RT: 19.20 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:202 Resp: 58532

Ion	Ratio	Lower	Upper
202	100		
200	21.2	16.6	25.0
203	17.4	13.8	20.8



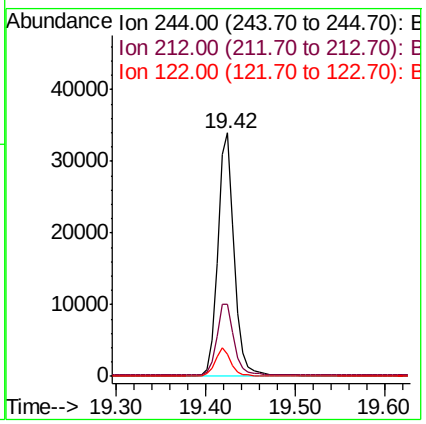


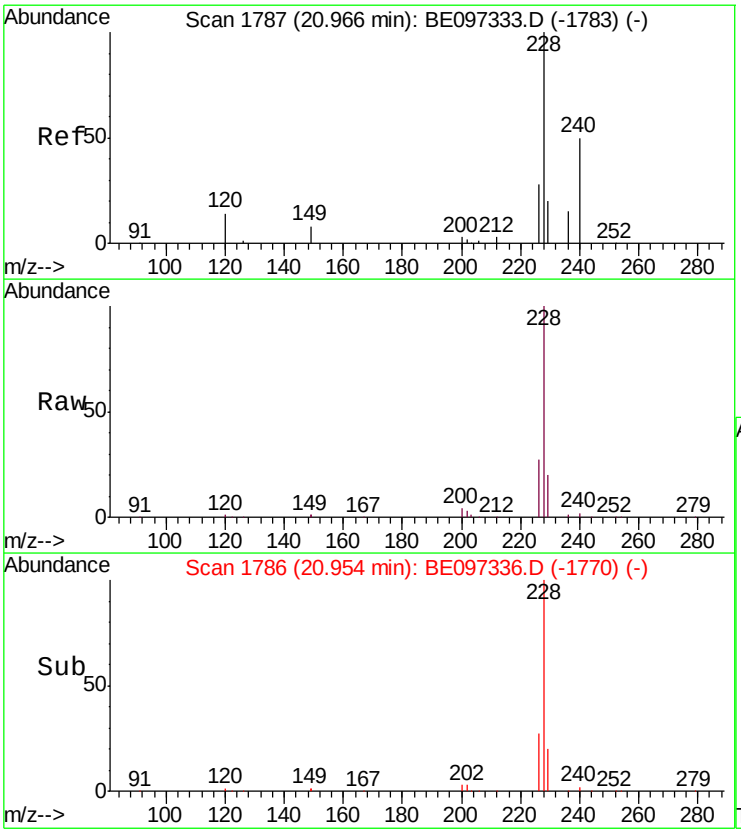
#29
Terphenyl-d14
Concen: 3.377 ng
RT: 19.42 min Scan# 1610
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:244 Resp: 42874

Ion	Ratio	Lower	Upper
244	100		
212	29.8	25.4	38.0
122	9.4	8.1	12.1

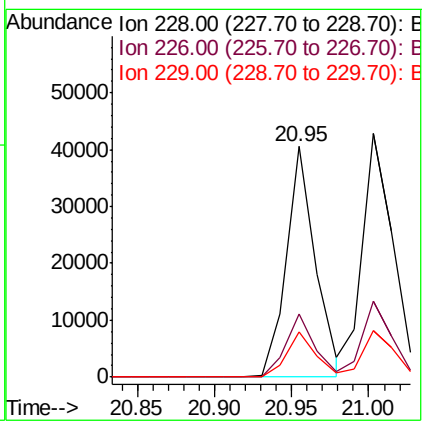


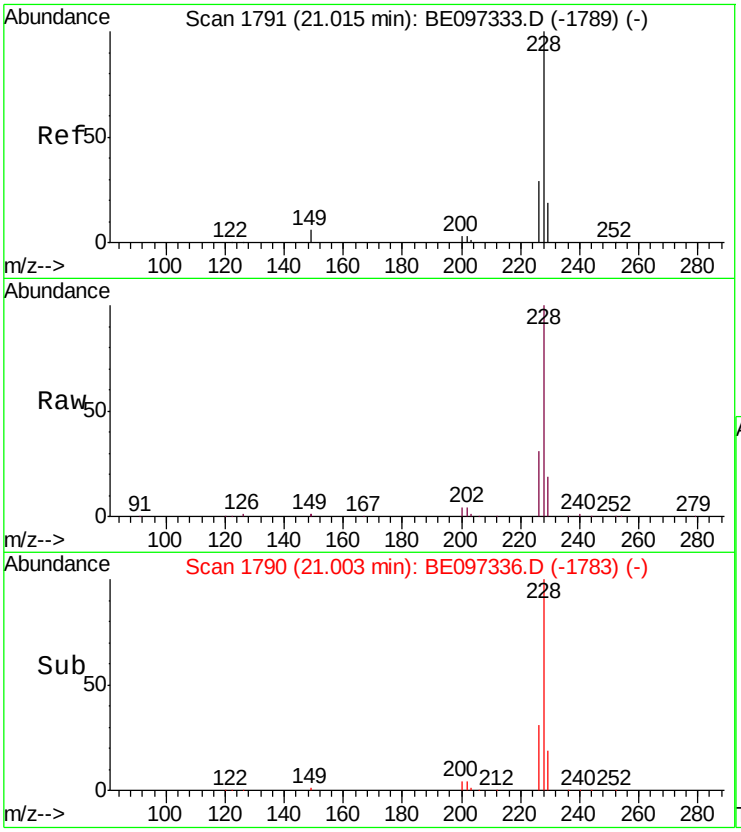


#30
Benzo(a)anthracene
Concen: 3.134 ng
RT: 20.95 min Scan# 1786
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:228 Resp: 53241

Ion	Ratio	Lower	Upper
228	100		
226	27.4	24.0	36.0
229	19.6	16.0	24.0



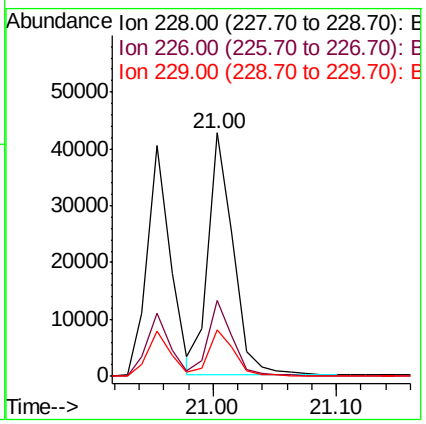


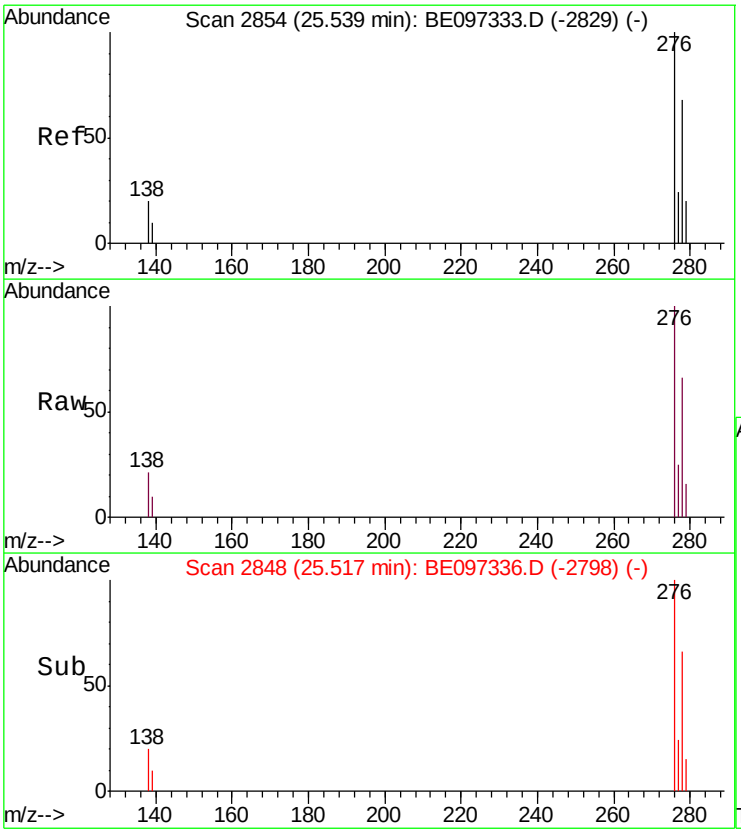
#31
Chrysene
Concen: 3.443 ng
RT: 21.00 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:228 Resp: 59855

Ion	Ratio	Lower	Upper
228	100		
226	31.4	24.0	36.0
229	19.2	16.0	24.0

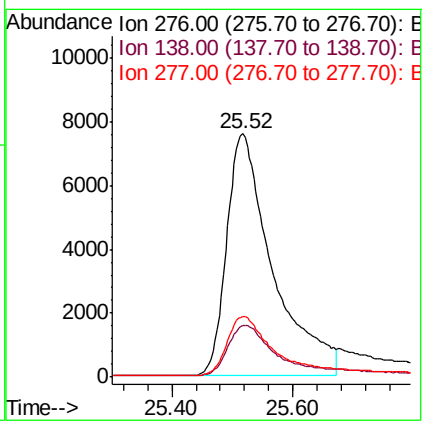


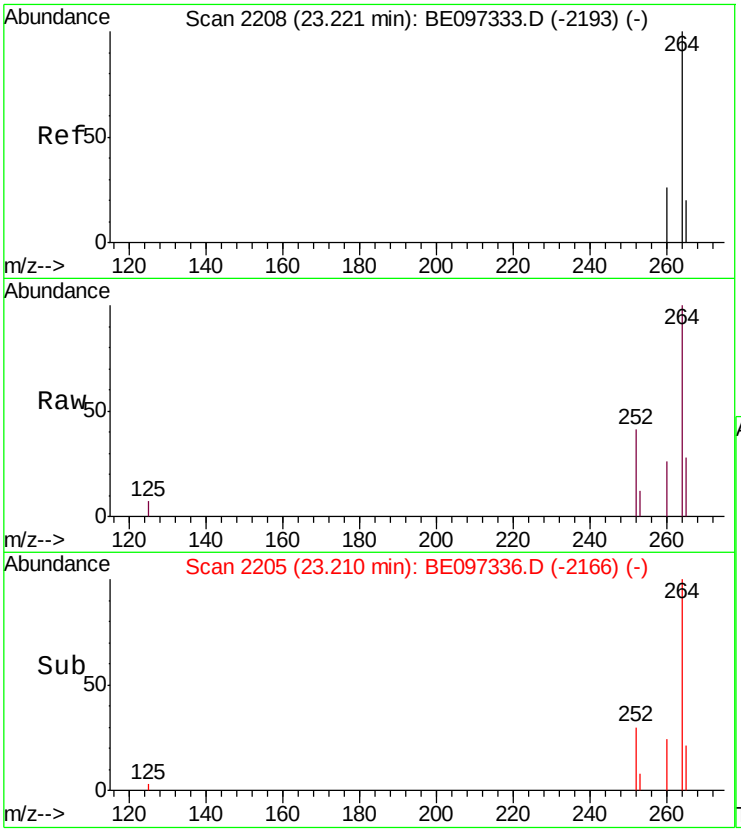


#33
Indeno(1,2,3-cd)pyrene
Concen: 2.129 ng
RT: 25.52 min Scan# 2848
Delta R.T. -0.02 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:276 Resp: 39893

Ion	Ratio	Lower	Upper
276	100		
138	21.7	22.5	33.7#
277	26.0	19.9	29.9



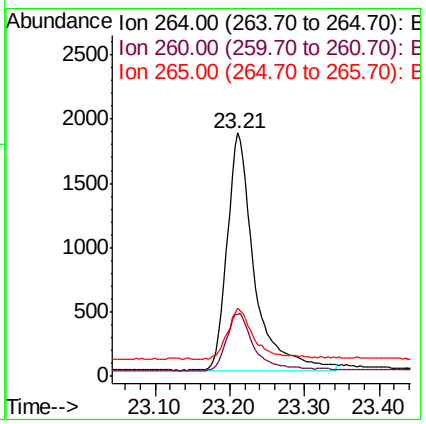


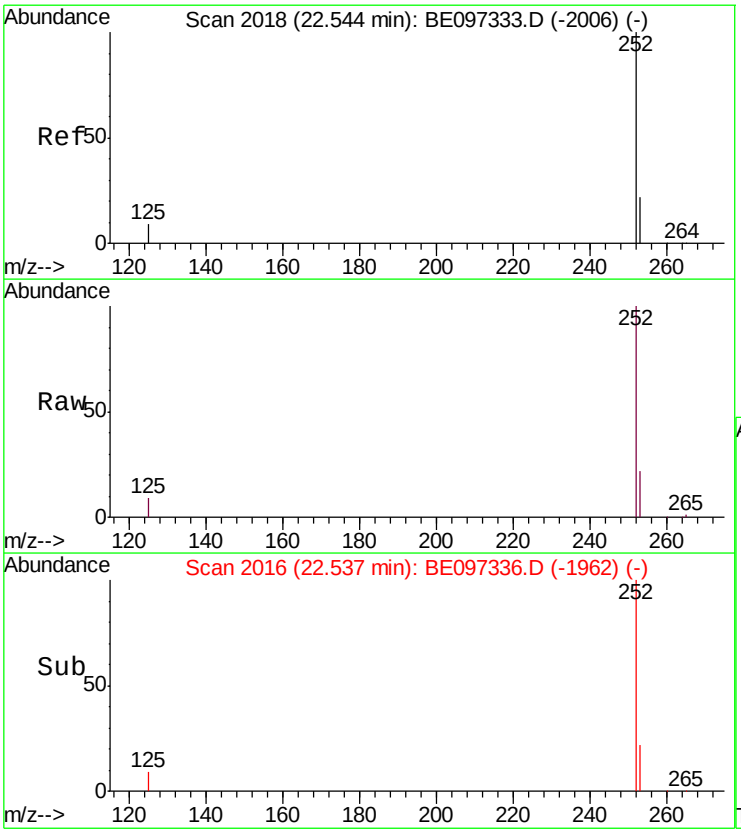
#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:264 Resp: 4671

Ion	Ratio	Lower	Upper
264	100		
260	25.6	20.5	30.7
265	27.9	22.8	34.2

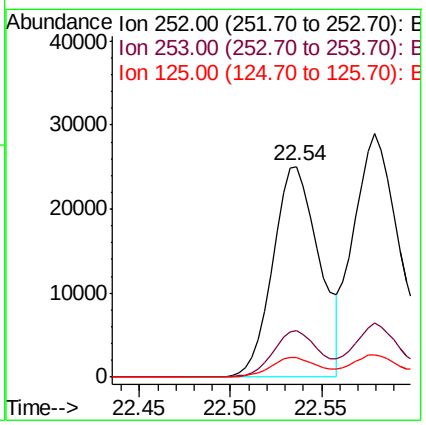


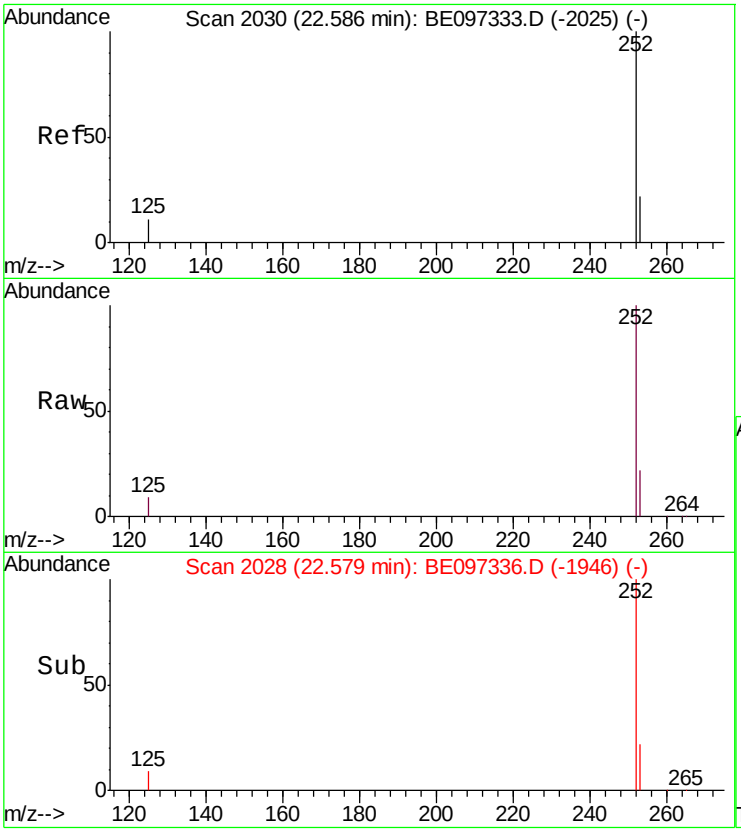


#35
Benzo(b)fluoranthene
Concen: 3.794 ng
RT: 22.54 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:252 Resp: 44067

Ion	Ratio	Lower	Upper
252	100		
253	22.3	20.0	30.0
125	9.2	16.0	24.0#



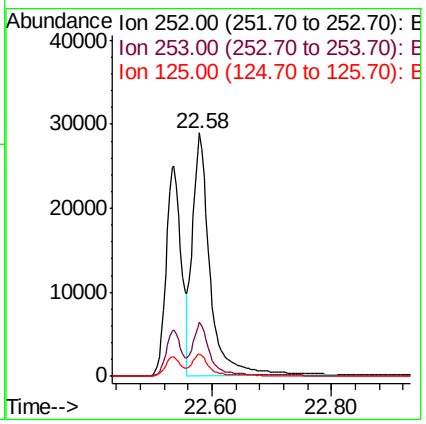


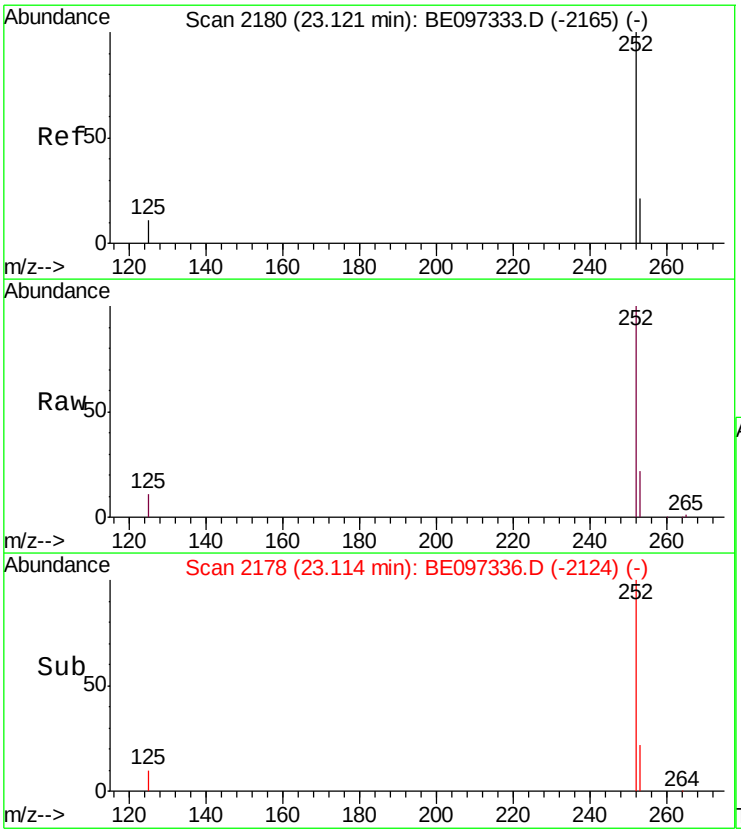
#36
Benzo(k)fluoranthene
Concen: 4.115 ng
RT: 22.58 min Scan# 2028
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:252 Resp: 58131

Ion	Ratio	Lower	Upper
252	100		
253	22.0	16.0	24.0
125	9.3	8.0	12.0

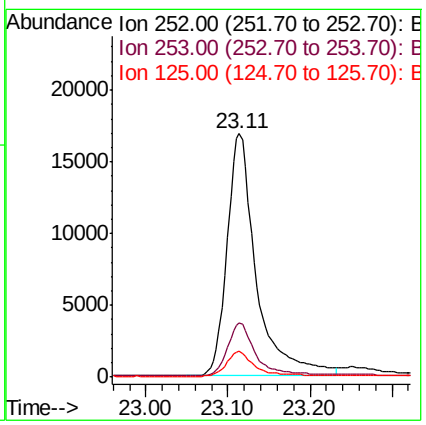


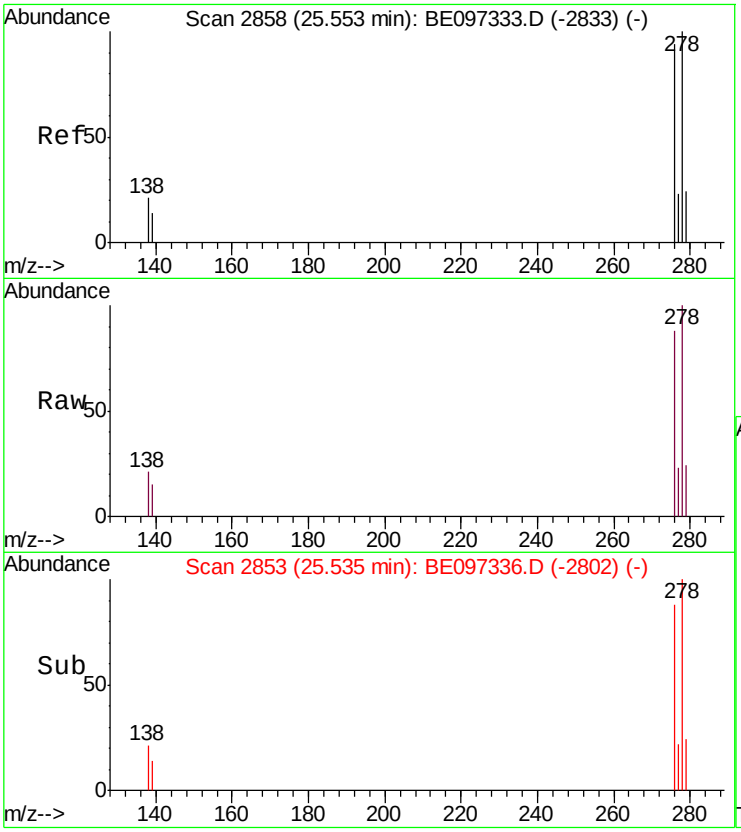


#37
Benzo(a)pyrene
Concen: 3.569 ng
RT: 23.11 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:252 Resp: 41628

Ion	Ratio	Lower	Upper
252	100		
253	22.1	16.0	24.0
125	10.5	12.0	18.0#



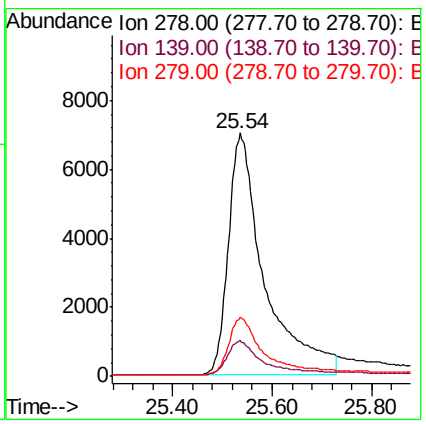


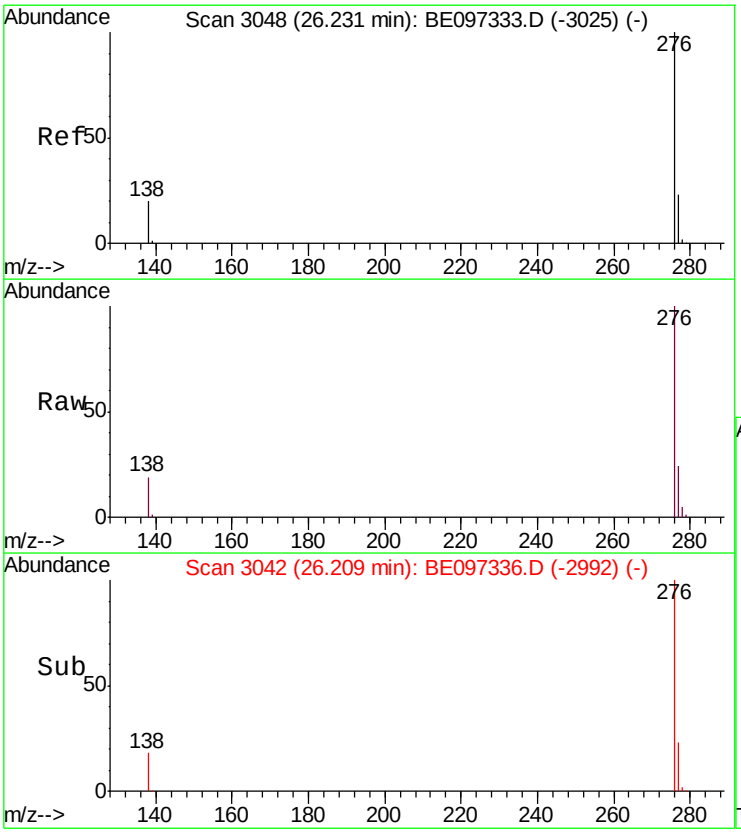
#38
Dibenzo(a,h)anthracene
Concen: 3.071 ng
RT: 25.54 min Scan# 2853
Delta R.T. -0.02 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Instrument :
BNA_E
ClientSampleId :
SSTDICC3.2

Tgt Ion:278 Resp: 35362

Ion	Ratio	Lower	Upper
278	100		
139	14.7	16.0	24.0#
279	24.2	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 2.907 ng
RT: 26.21 min Scan# 3042
Delta R.T. -0.02 min
Lab File: BE097336.D
Acq: 20 Aug 2018 17:20

Tgt Ion:276 Resp: 33773

Ion	Ratio	Lower	Upper
276	100		
277	23.6	16.0	24.0
138	19.0	20.0	30.0#