Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE091918\
Data File : BE097570.D
Acq On : 20 Sep 2018 10:13
Operator : SJ/JU
Sample : PB112778BSD
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Sep 20 11:03:41 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE091918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	1153	0.40	ng		0.00
7) Naphthalene-d8	10.13	136	4836	0.40	ng		0.00
13) Acenaphthene-d10	14.00	164	2356	0.40	ng		0.00
19) Phenanthrene-d10	16.77	188	5498	0.40	ng		0.01
27) Chrysene-d12	20.97	240	7564	0.40	ng		0.00
34) Perylene-d12	23.21	264	7645	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1384	0.40	ng		0.01
5) Phenol-d6	6.62	99	1568	0.35	ng		0.01
8) Nitrobenzene-d5	8.53	82	1447	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	3680	0.55	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	270	0.33	ng		0.01
15) 2-Fluorobiphenyl	12.62	172	3895	0.47	ng		0.00
25) Fluoranthene-d10	18.80	212	26827	0.38	ng		0.00
29) Terphenyl-d14	19.42	244	4895	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	684	0.341	ng		96
3) n-Nitrosodimethylamine	3.38	42	681	0.406	ng	#	96
6) bis(2-Chloroethyl)ether	6.82	93	1346	0.329	ng		78
9) Naphthalene	10.17	128	18088	0.415	ng		100
10) Hexachlorobutadiene	10.46	225	748	0.373	ng		98
12) 2-Methylnaphthalene	11.80	142	2718	0.400	ng		98
16) Acenaphthylene	13.71	152	3624	0.389	ng		99
17) Acenaphthene	14.06	154	2435	0.390	ng		96
18) Fluorene	15.06	166	3073	0.378	ng	#	79
20) 4-Bromophenyl-phenylether	15.96	248	938	0.378	ng	#	81
21) Hexachlorobenzene	16.07	284	1136	0.417	ng	#	84
22) Pentachlorophenol	16.45	266	450	0.498	ng	#	80
23) Phenanthrene	16.80	178	5103	0.391	ng		99
24) Anthracene	16.89	178	4429	0.384	ng		95
26) Fluoranthene	18.83	202	6439	0.356	ng		99
28) Pyrene	19.20	202	6570	0.382	ng		100
30) Benzo(a)anthracene	20.95	228	7638	0.401	ng		96
31) Chrysene	21.00	228	8177	0.400	ng		99
32) Bis(2-ethylhexyl)phthalate	20.91	149	9706	0.314	ng		99
33) Indeno(1,2,3-cd)pyrene	25.51	276	9959	0.405	ng	#	91
35) Benzo(b)fluoranthene	22.53	252	8291	0.423	ng	#	89
36) Benzo(k)fluoranthene	22.58	252	9036	0.404	ng		93
37) Benzo(a)pyrene	23.11	252	8020	0.421	ng	#	91
38) Dibenzo(a,h)anthracene	25.53	278	8347	0.406	ng		96
39) Benzo(g,h,i)perylene	26.21	276	8426	0.422	ng	#	88

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

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Acq On : 20 Sep 2018 10:13
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Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
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ClientSampleId :

Quant Time: Sep 20 11:03:41 2018
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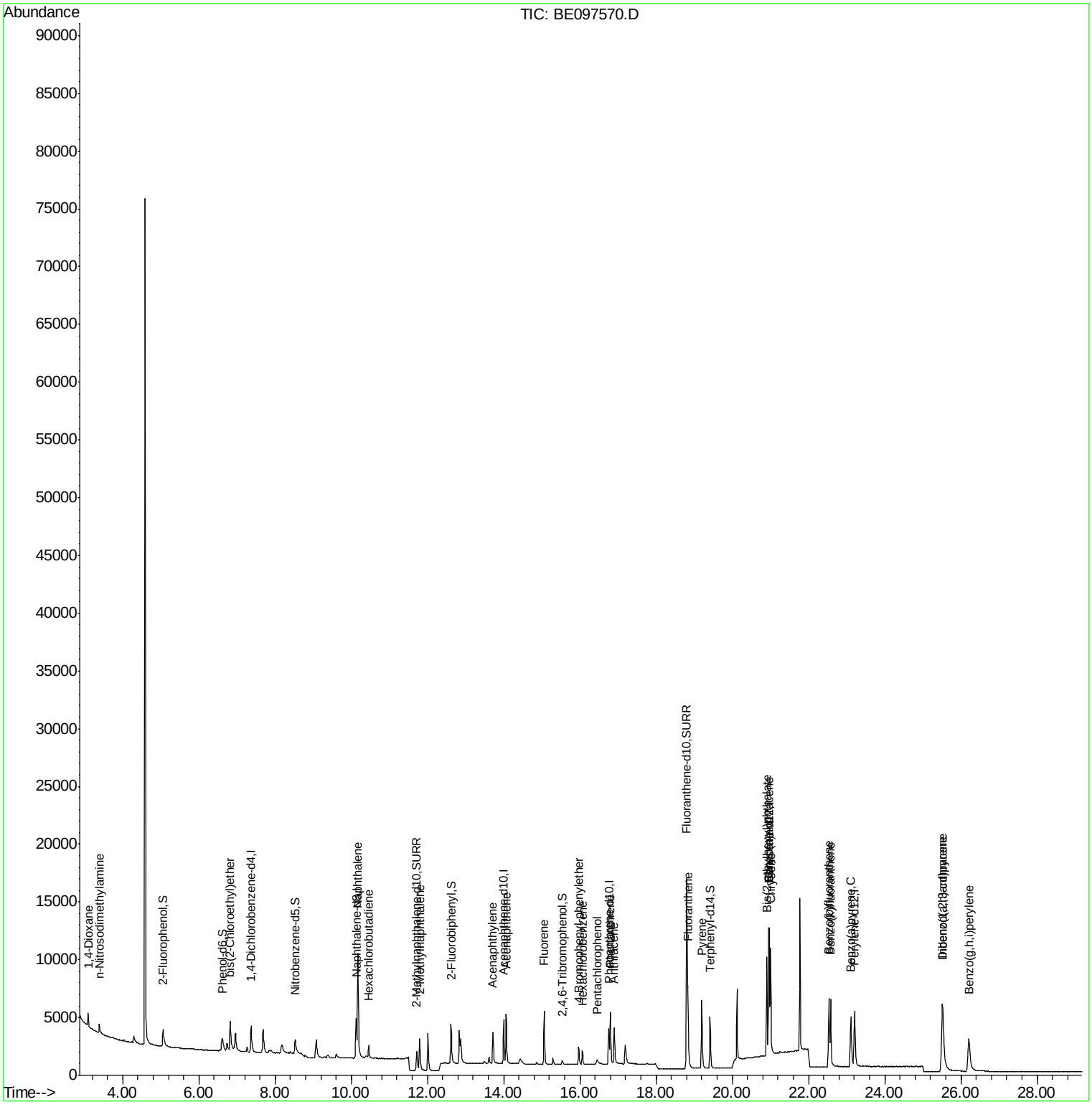
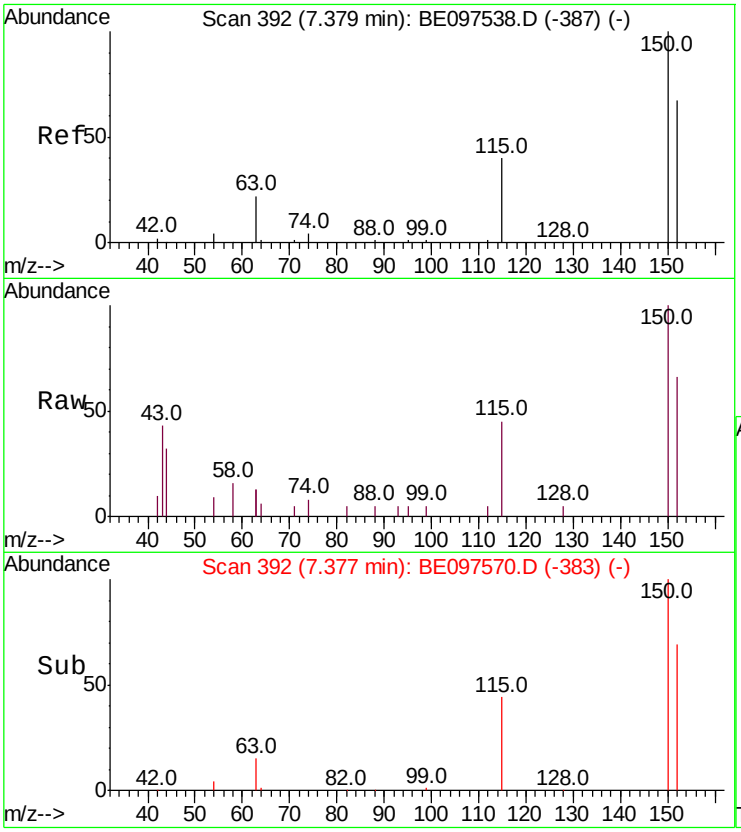
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration



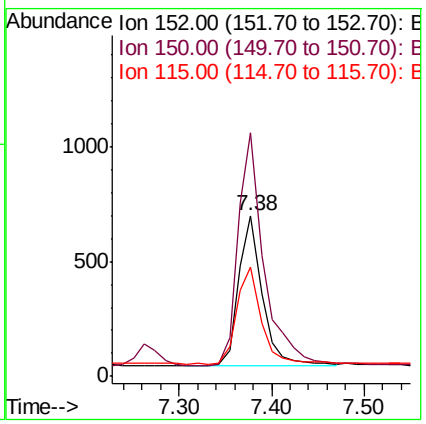


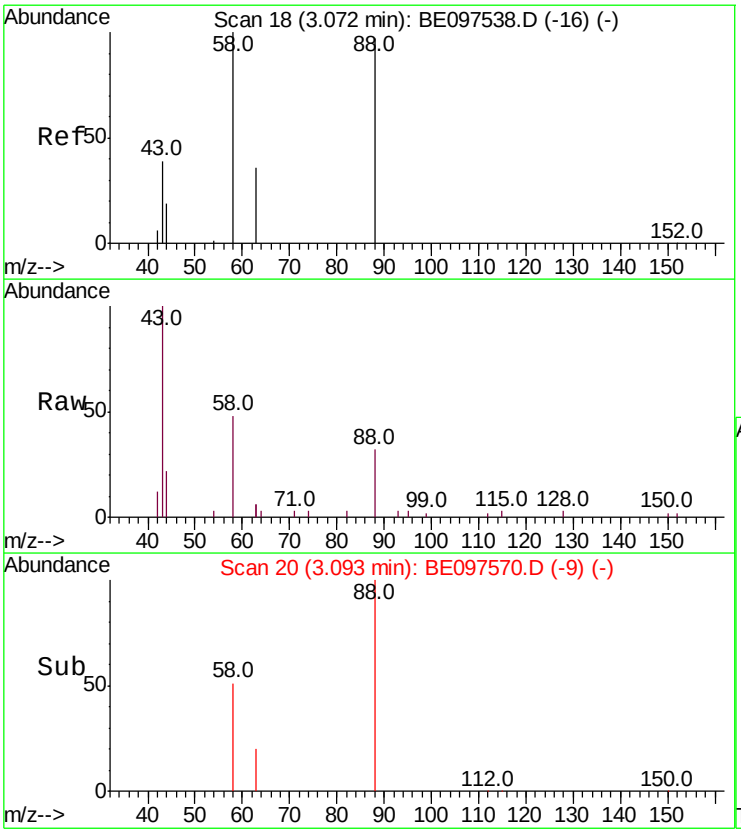
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1153

Ion	Ratio	Lower	Upper
152	100		
150	151.6	117.2	175.8
115	67.6	57.0	85.6

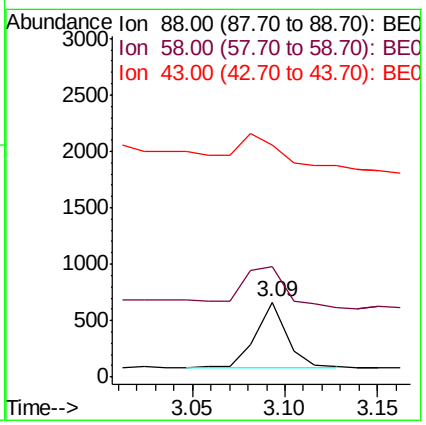


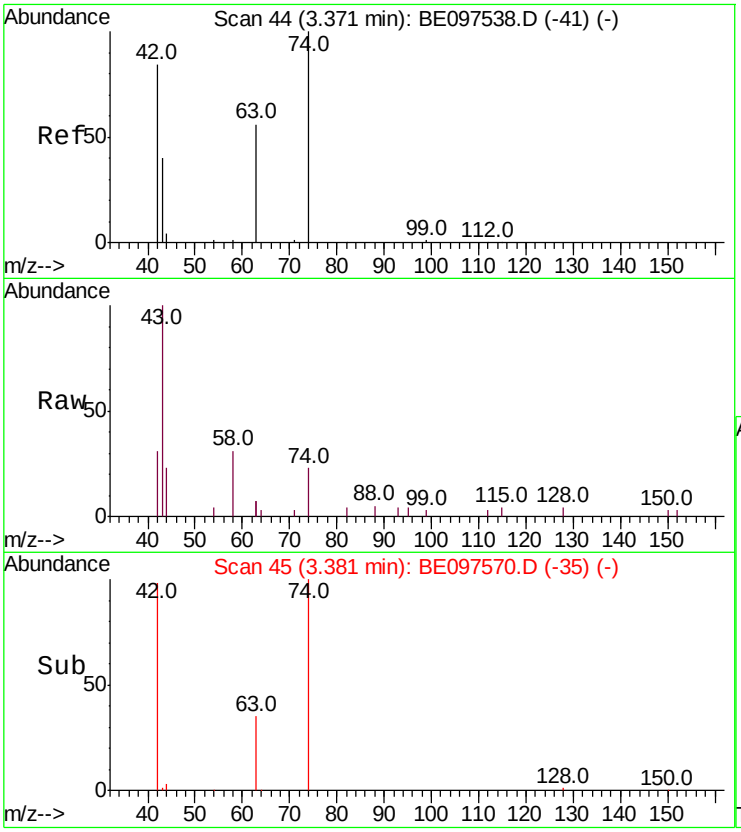


#2
1,4-Dioxane
Concen: 0.341 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.02 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion: 88 Resp: 684

Ion	Ratio	Lower	Upper
88	100		
58	85.2	63.2	94.8
43	51.3	41.2	61.8



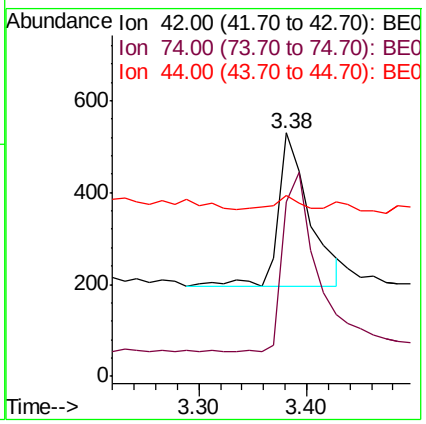


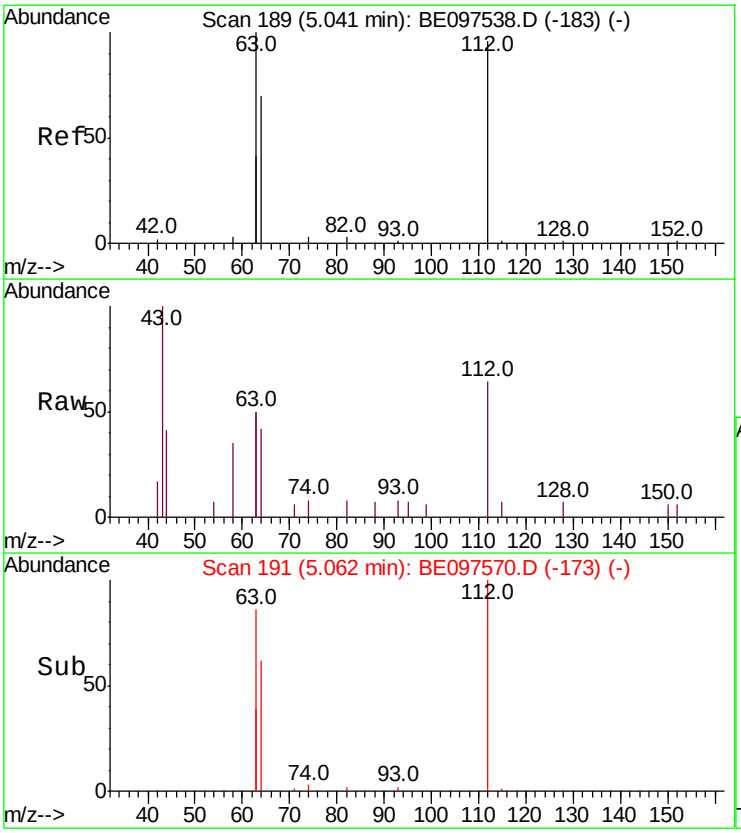
#3
n-Nitrosodimethylamine
Concen: 0.406 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 681

Ion	Ratio	Lower	Upper
42	100		
74	118.1	96.0	144.0
44	6.8	12.0	18.0#

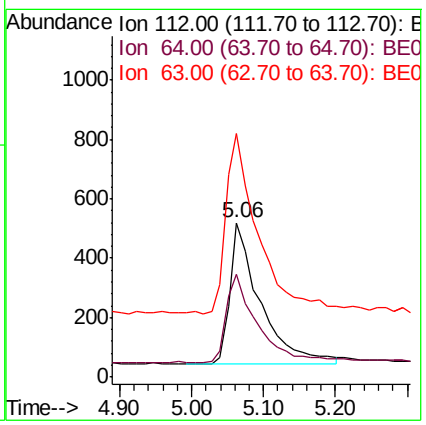


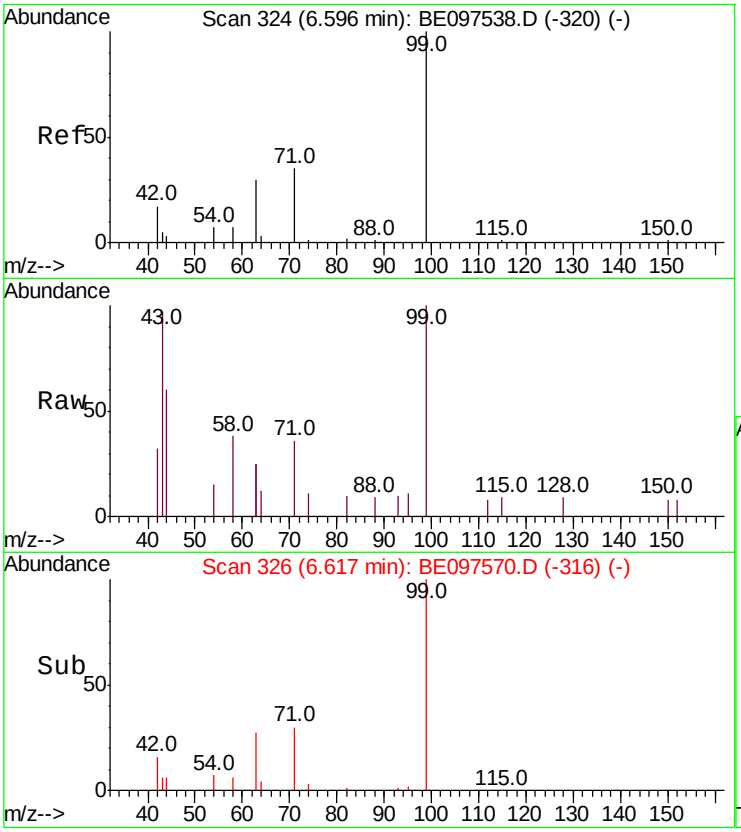


#4
2-Fluorophenol
Concen: 0.401 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:112 Resp: 1384

Ion	Ratio	Lower	Upper
112	100		
64	63.6	60.1	90.1
63	135.0	116.8	175.2



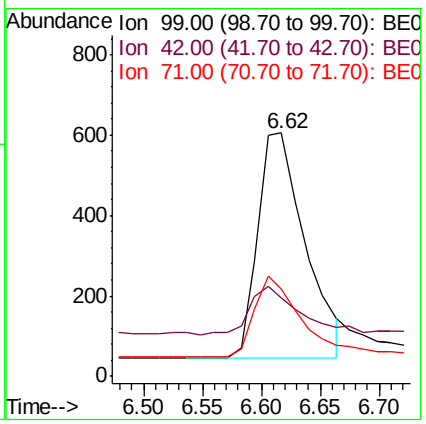


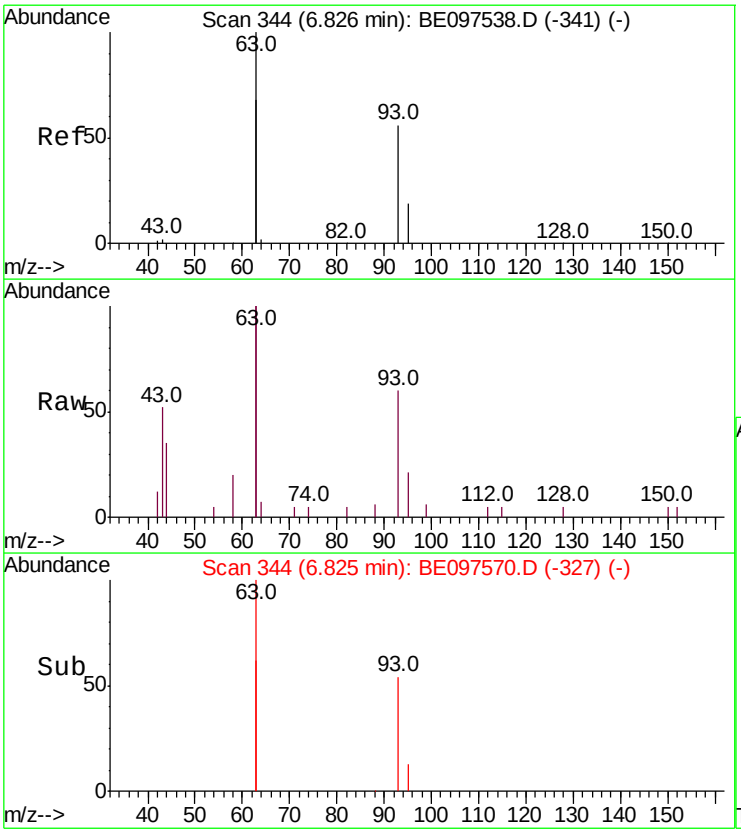
#5
Phenol-d6
Concen: 0.355 ng
RT: 6.62 min Scan# 326
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1568

Ion	Ratio	Lower	Upper
99	100		
42	21.9	20.2	30.2
71	34.1	28.4	42.6

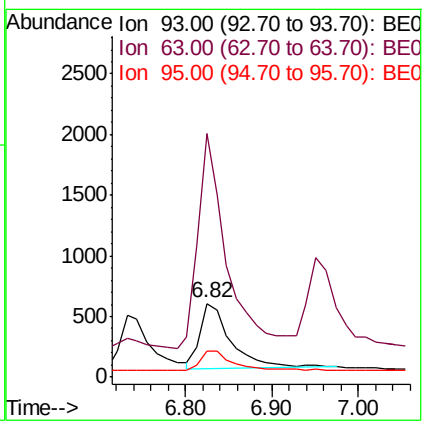


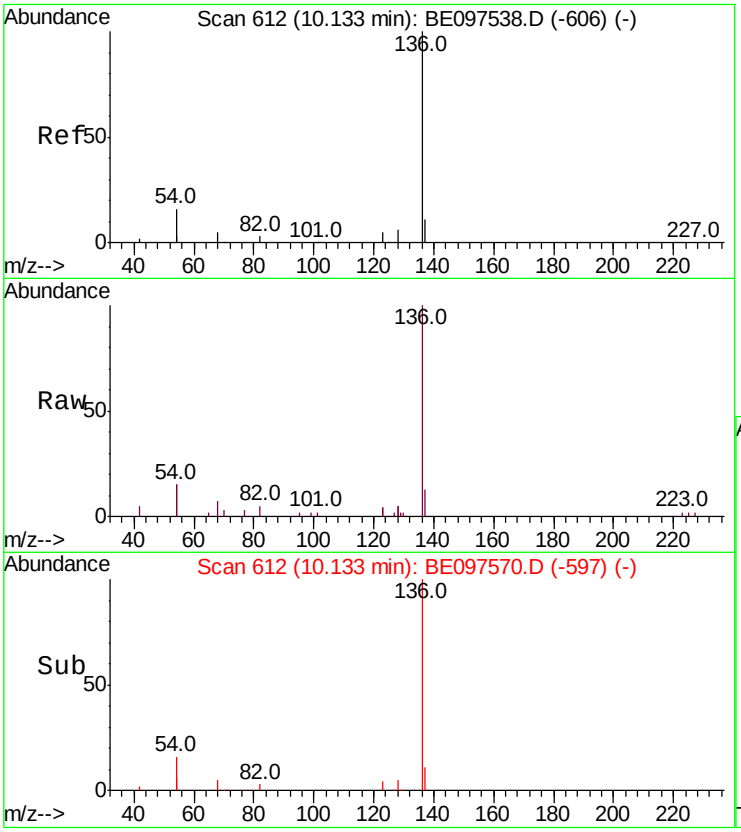


#6
bis(2-Chloroethyl)ether
Concen: 0.329 ng
RT: 6.82 min Scan# 344
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion: 93 Resp: 1346

Ion	Ratio	Lower	Upper
93	100		
63	292.7	275.3	412.9
95	34.2	25.2	37.8



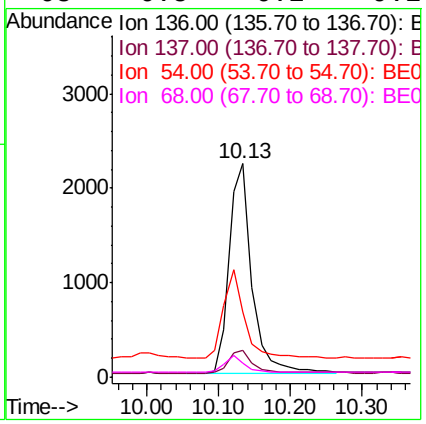


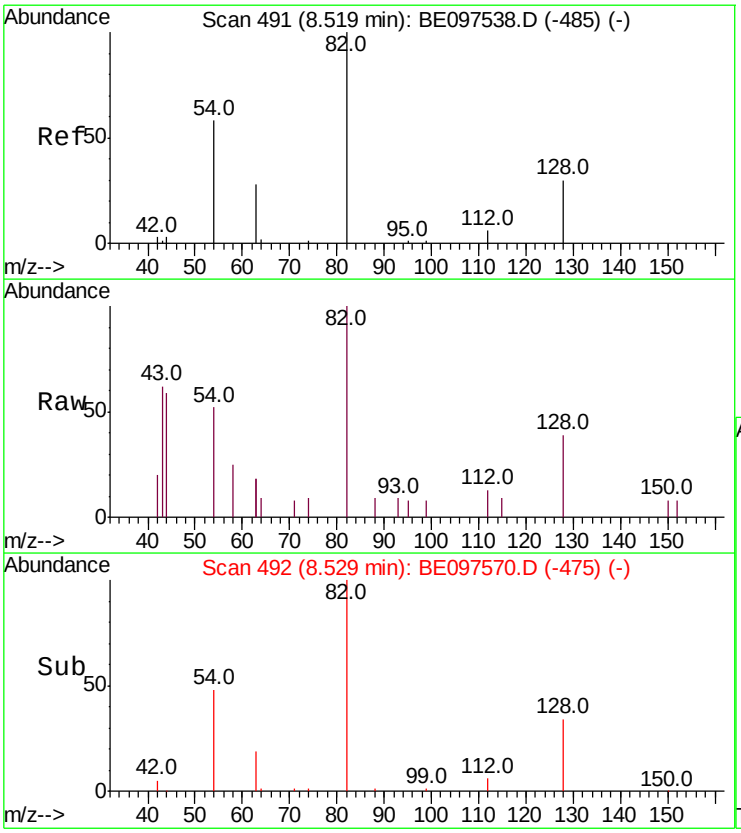
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.13 min Scan# 612
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 4836

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.5	14.3
54	30.8	29.1	43.7
68	6.5	6.2	9.2

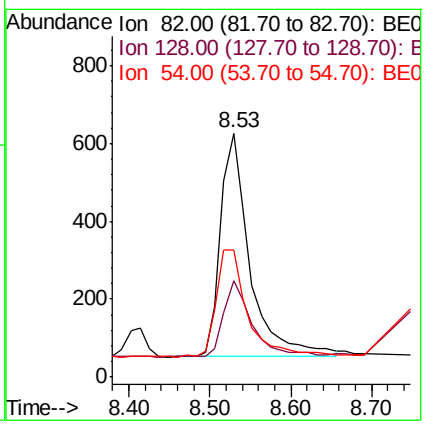


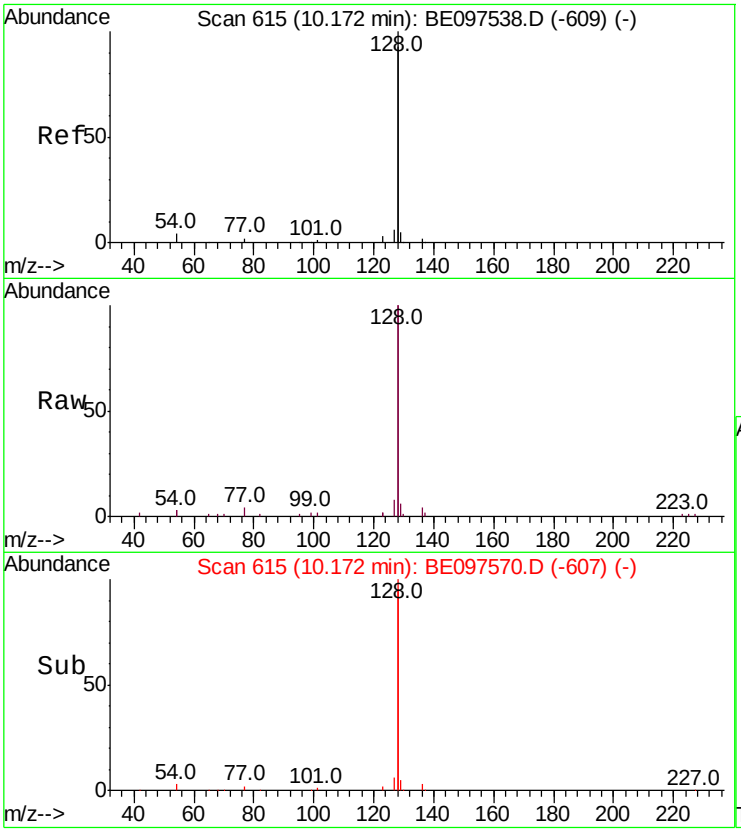


#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion: 82 Resp: 1447

Ion	Ratio	Lower	Upper
82	100		
128	39.5	24.0	36.0#
54	51.9	40.0	60.0



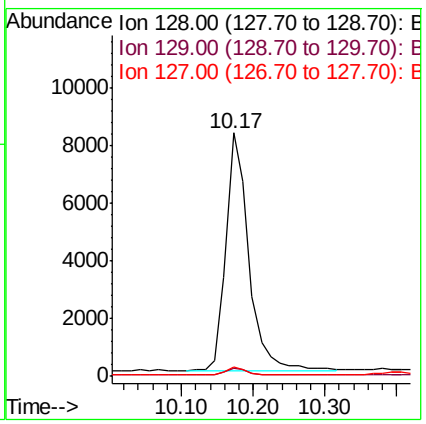


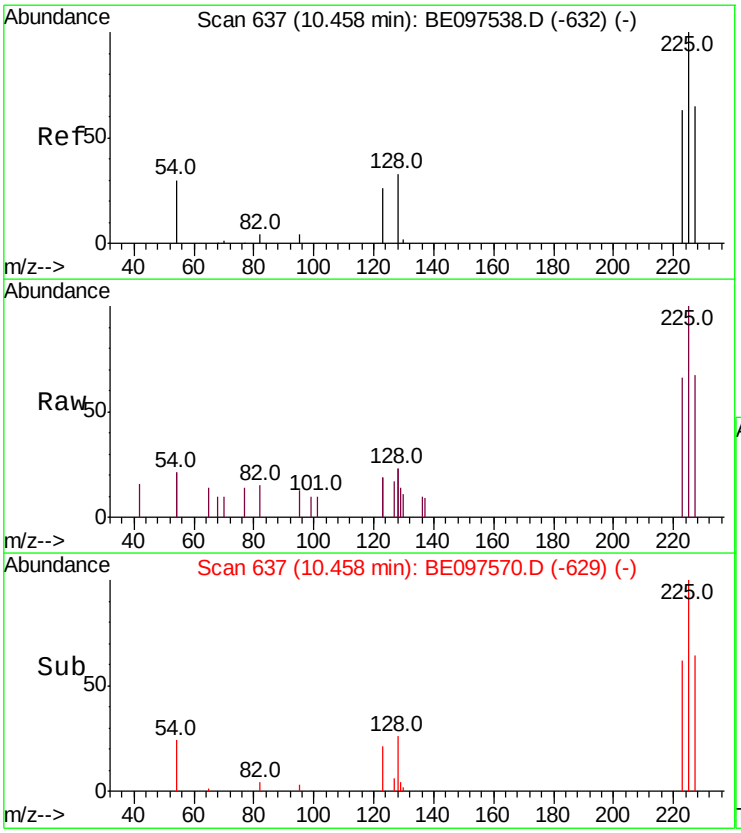
#9
Naphthalene
Concen: 0.415 ng
RT: 10.17 min Scan# 615
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 18088

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

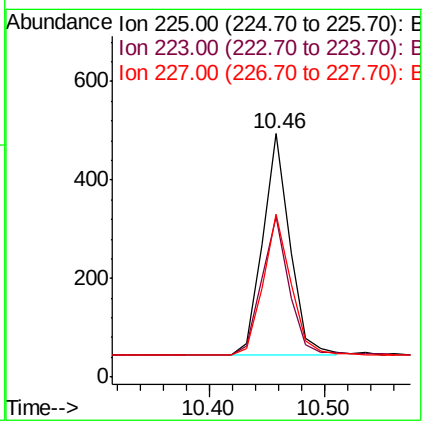


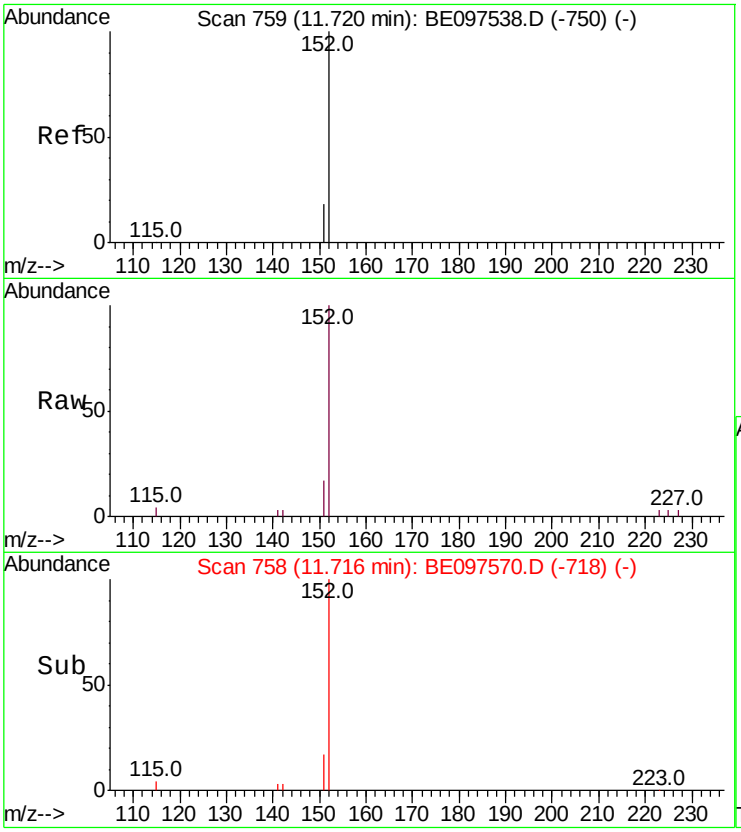


#10
Hexachlorobutadiene
Concen: 0.373 ng
RT: 10.46 min Scan# 637
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:225 Resp: 748

Ion	Ratio	Lower	Upper
225	100		
223	62.8	53.0	79.6
227	64.6	51.4	77.2



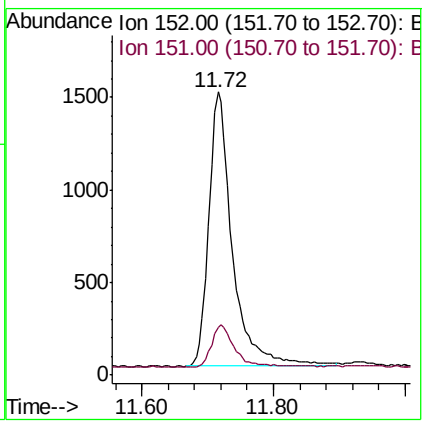


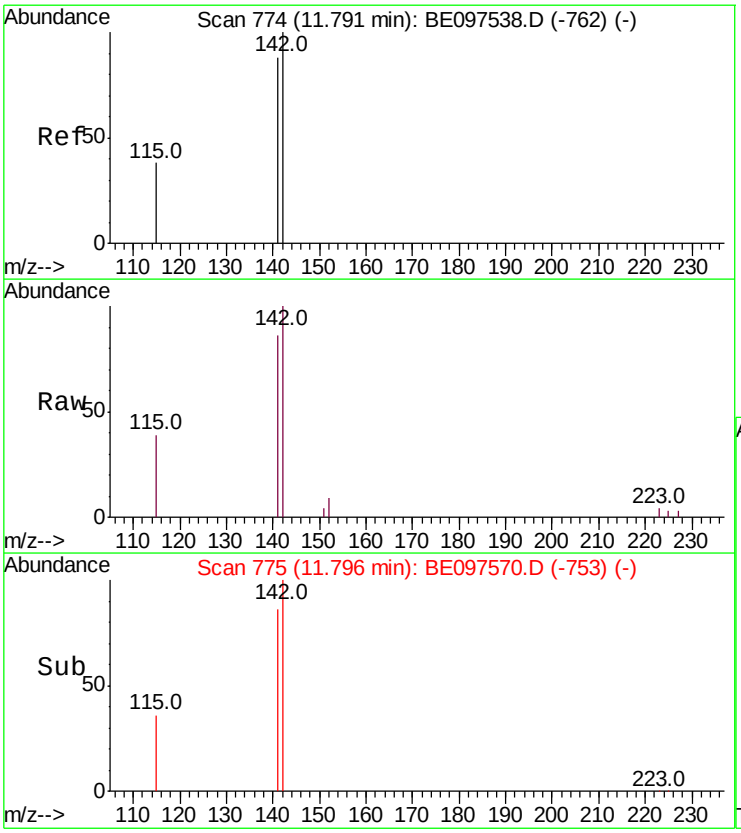
#11
2-Methylnaphthalene-d10
Concen: 0.552 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 3680

Ion	Ratio	Lower	Upper
152	100		
151	14.4	15.4	23.0#

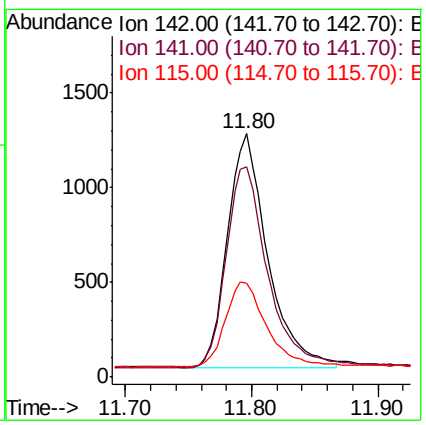


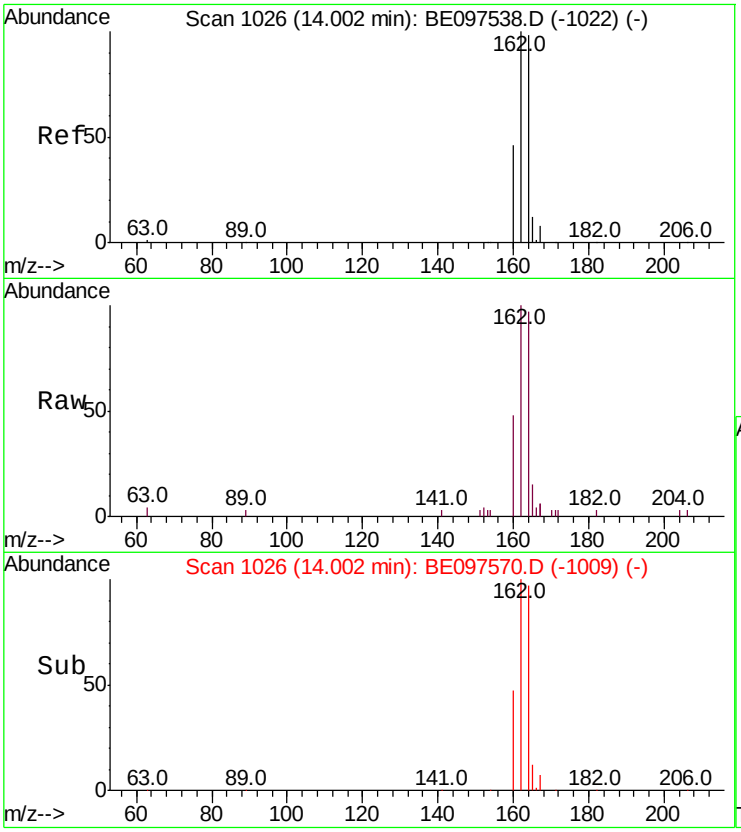


#12
2-Methylnaphthalene
Concen: 0.400 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:142 Resp: 2718

Ion	Ratio	Lower	Upper
142	100		
141	86.2	70.4	105.6
115	38.6	31.7	47.5



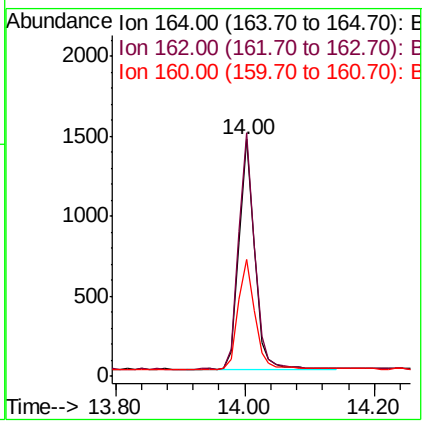


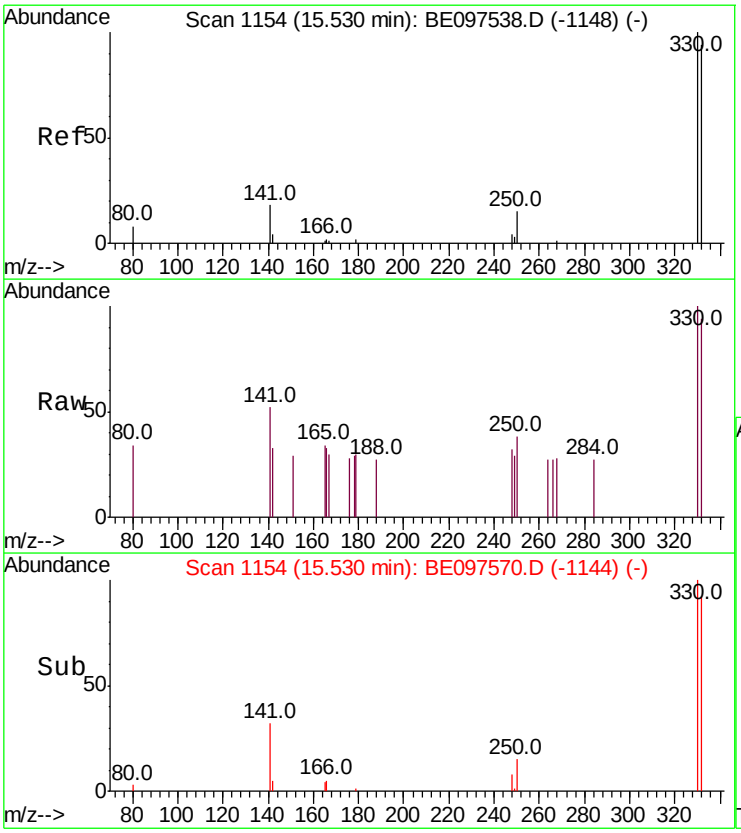
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2356

Ion	Ratio	Lower	Upper
164	100		
162	102.8	83.1	124.7
160	49.6	37.1	55.7

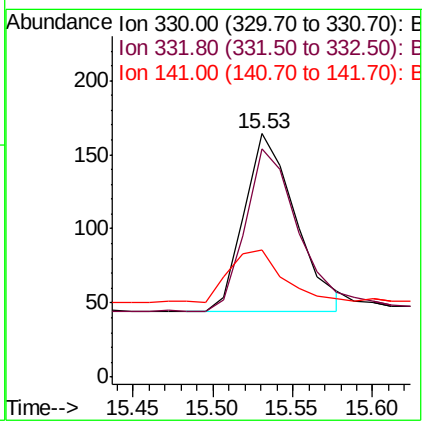


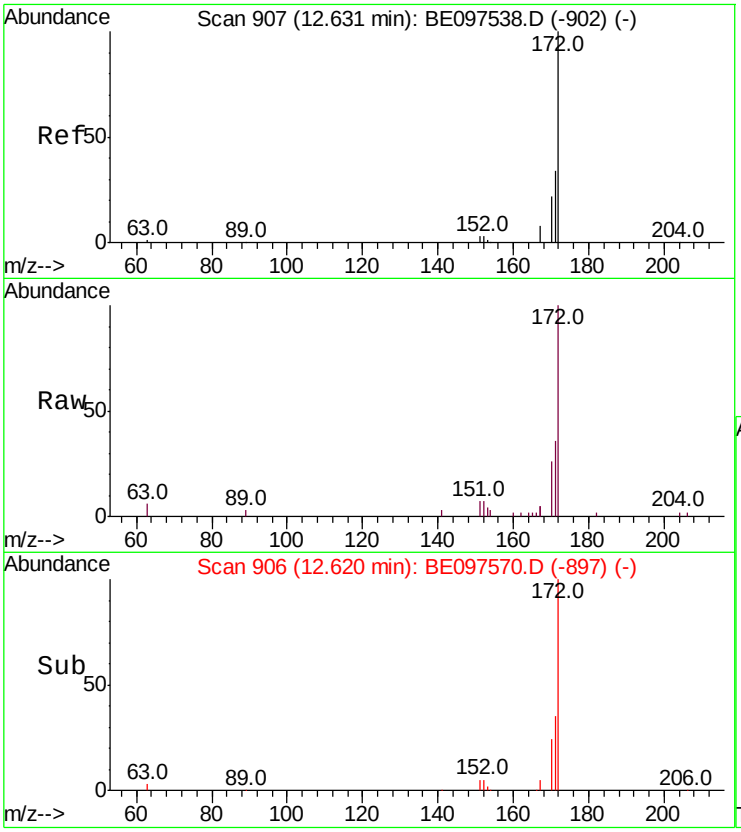


#14
2,4,6-Tribromophenol
Concen: 0.331 ng
RT: 15.53 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:330 Resp: 270

Ion	Ratio	Lower	Upper
330	100		
332	93.0	152.7	229.1#
141	32.2	33.7	50.5#



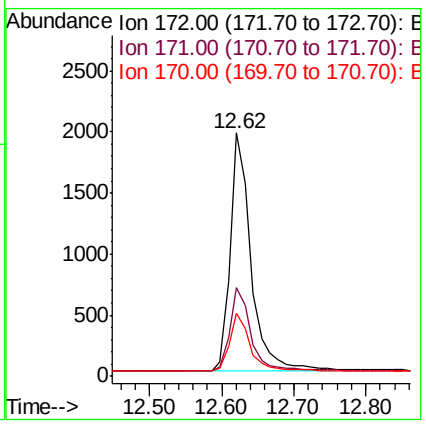


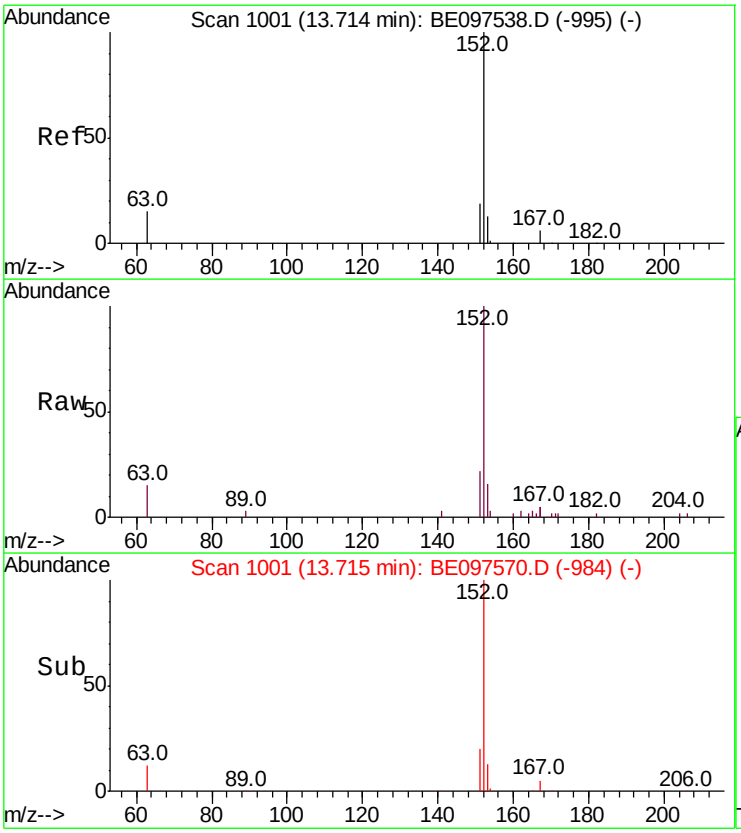
#15
2-Fluorobiphenyl
Concen: 0.468 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 3895

Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.9	44.9
170	25.7	21.8	32.8

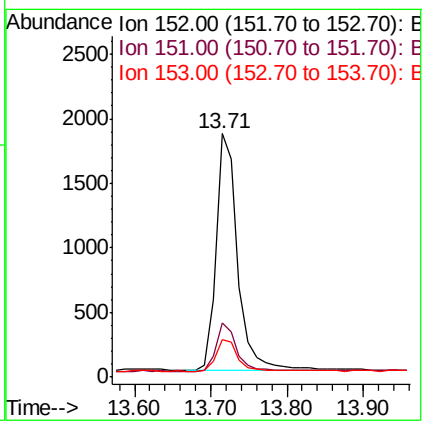


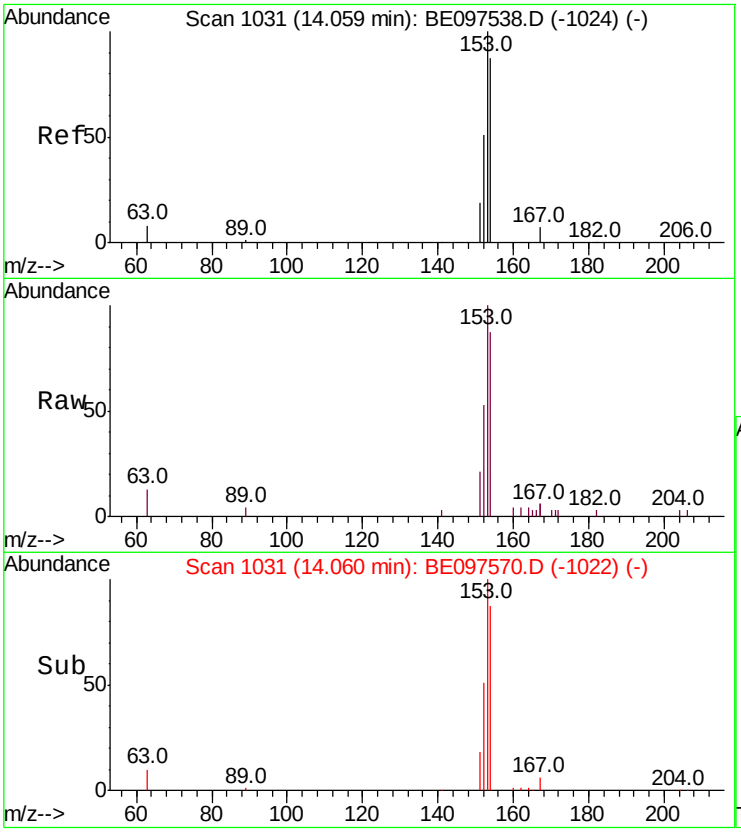


#16
Acenaphthylene
Concen: 0.389 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:152 Resp: 3624

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.7	23.5
153	13.6	10.5	15.7



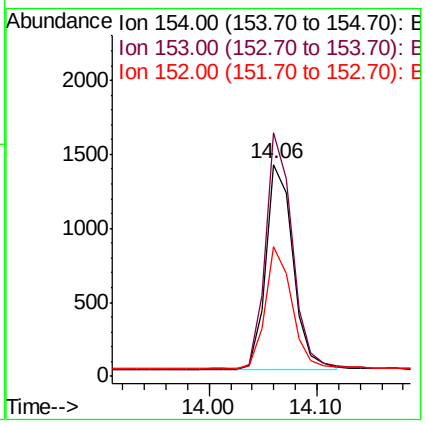


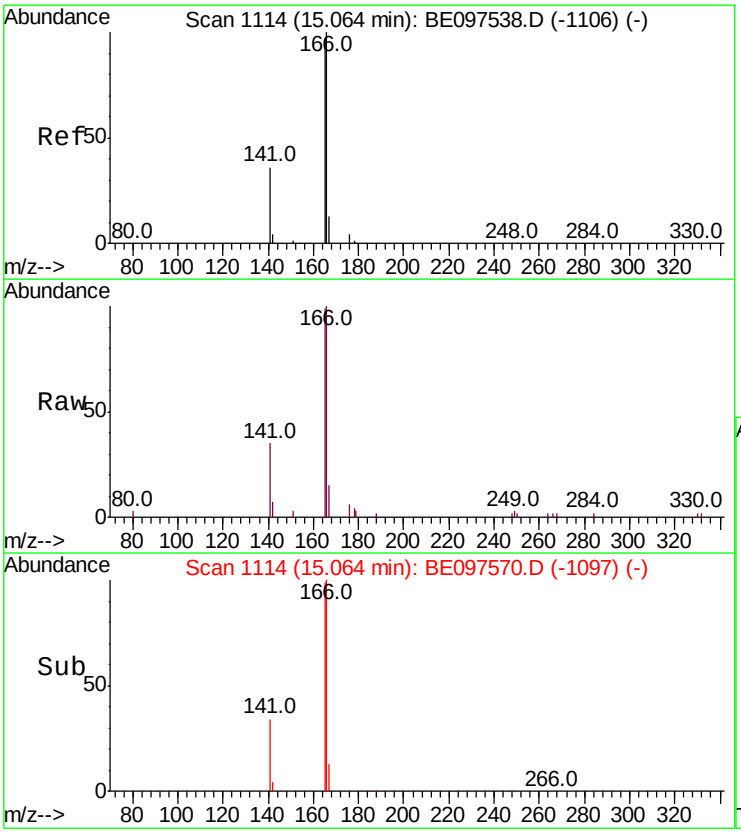
#17
Acenaphthene
Concen: 0.390 ng
RT: 14.06 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2435

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.2	133.8
152	58.3	42.0	63.0

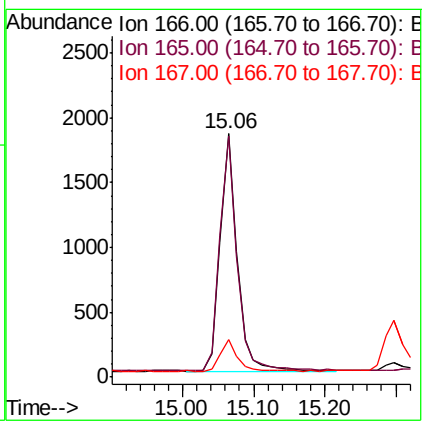


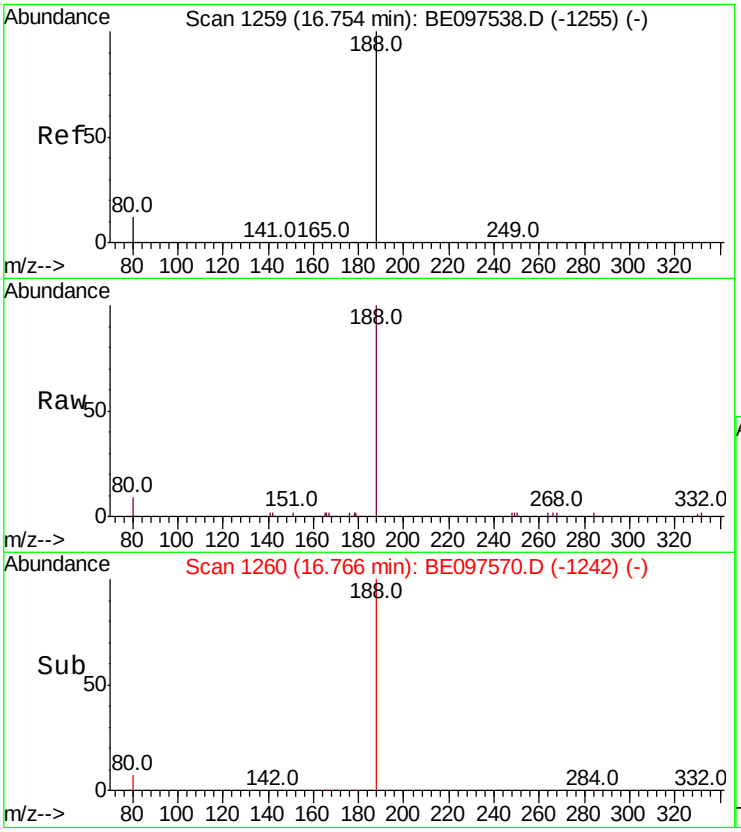


#18
Fluorene
Concen: 0.378 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:166 Resp: 3073

Ion	Ratio	Lower	Upper
166	100		
165	99.7	77.8	116.6
167	13.1	42.4	63.6#



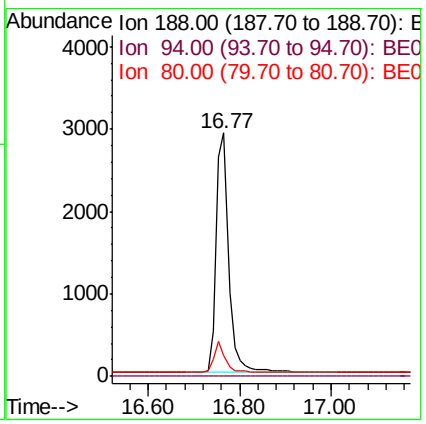


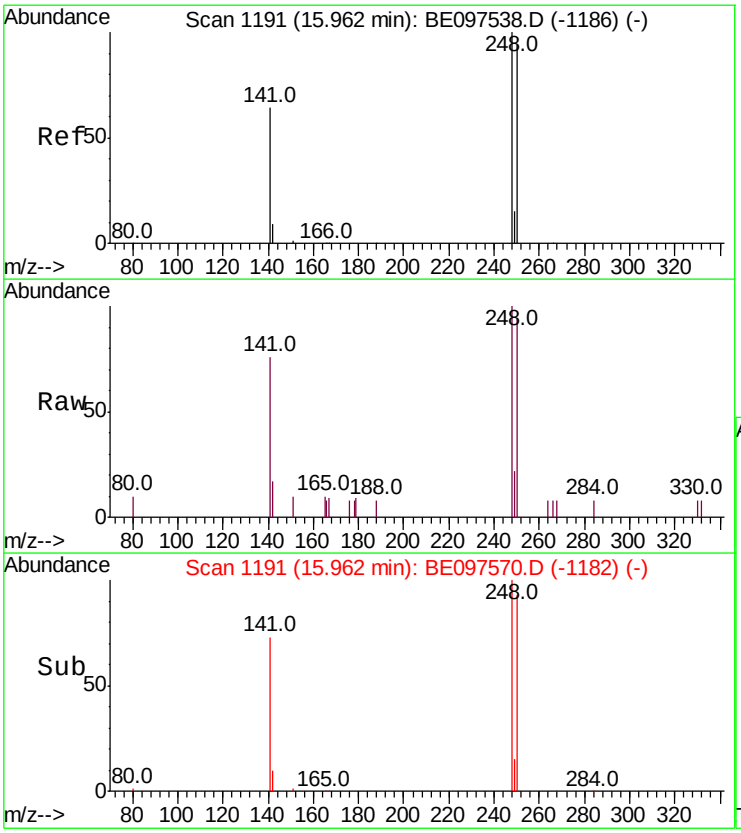
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 5498

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	8.5	3.6	5.4#

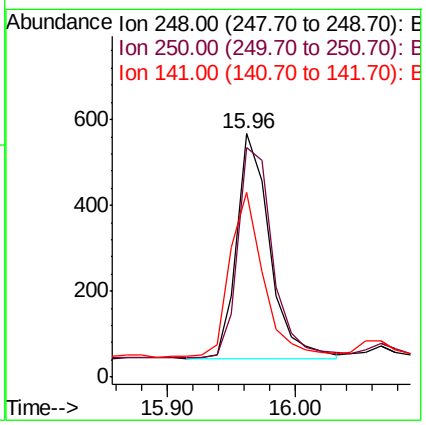


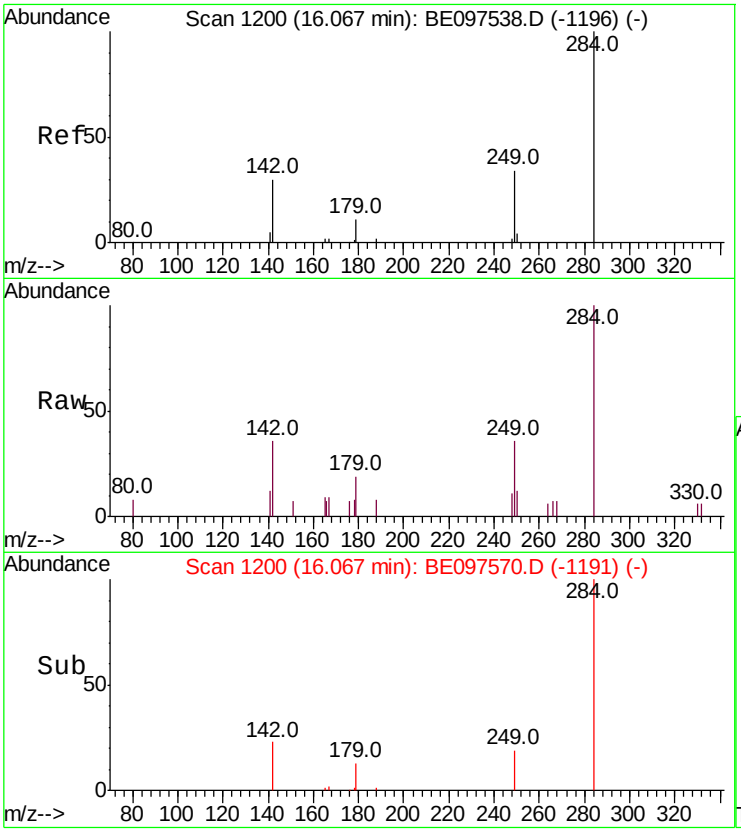


#20
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 15.96 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:248 Resp: 938

Ion	Ratio	Lower	Upper
248	100		
250	94.2	62.7	94.1#
141	75.8	48.2	72.2#



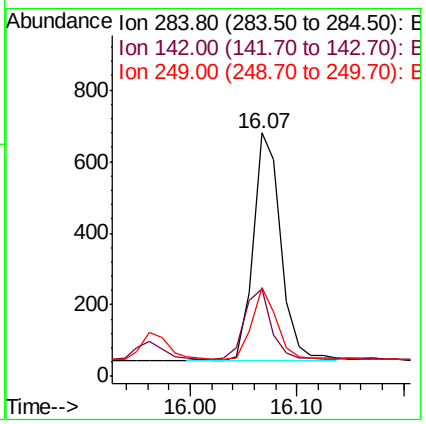


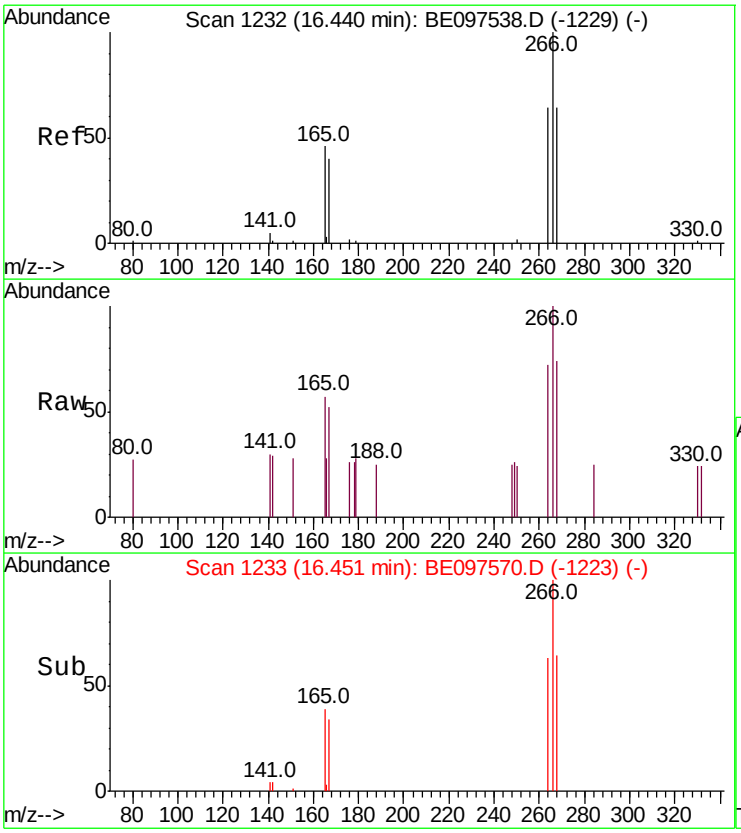
#21
Hexachlorobenzene
Concen: 0.417 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1136

Ion	Ratio	Lower	Upper
284	100		
142	29.8	22.1	33.1
249	28.5	34.8	52.2#

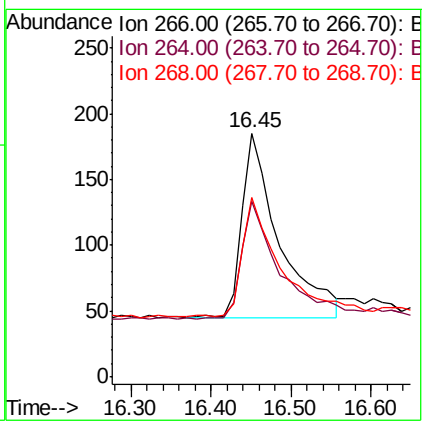


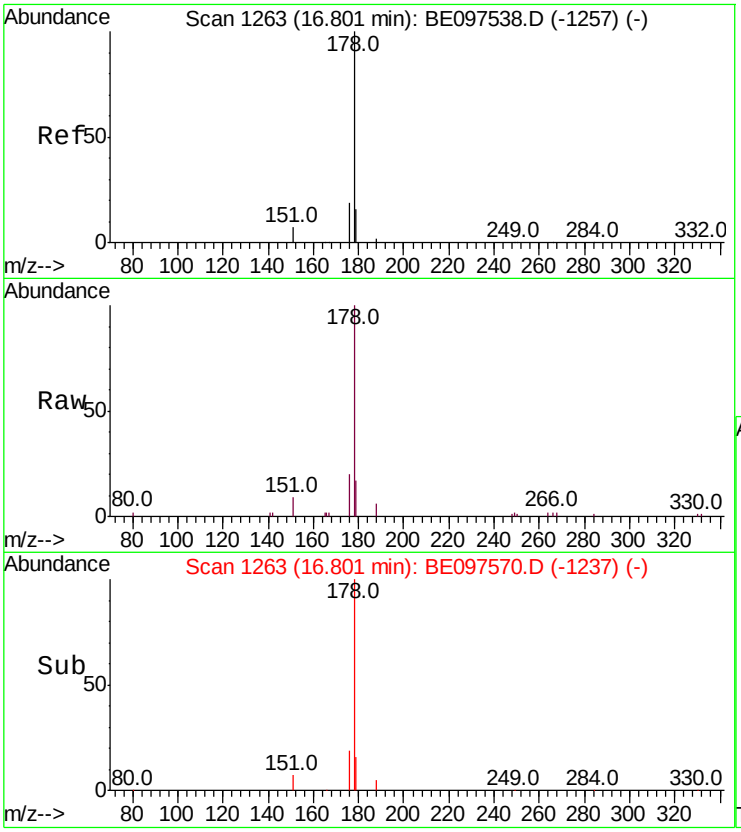


#22
Pentachlorophenol
Concen: 0.498 ng
RT: 16.45 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:266 Resp: 450

Ion	Ratio	Lower	Upper
266	100		
264	71.9	72.5	108.7#
268	73.5	73.8	110.6#



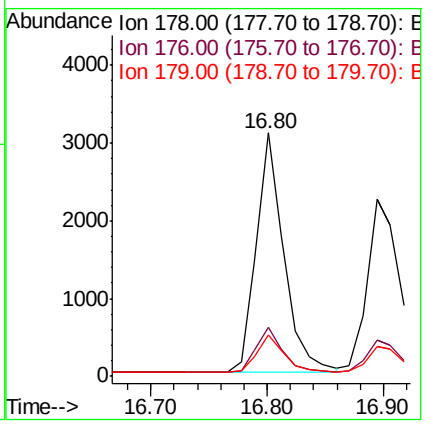


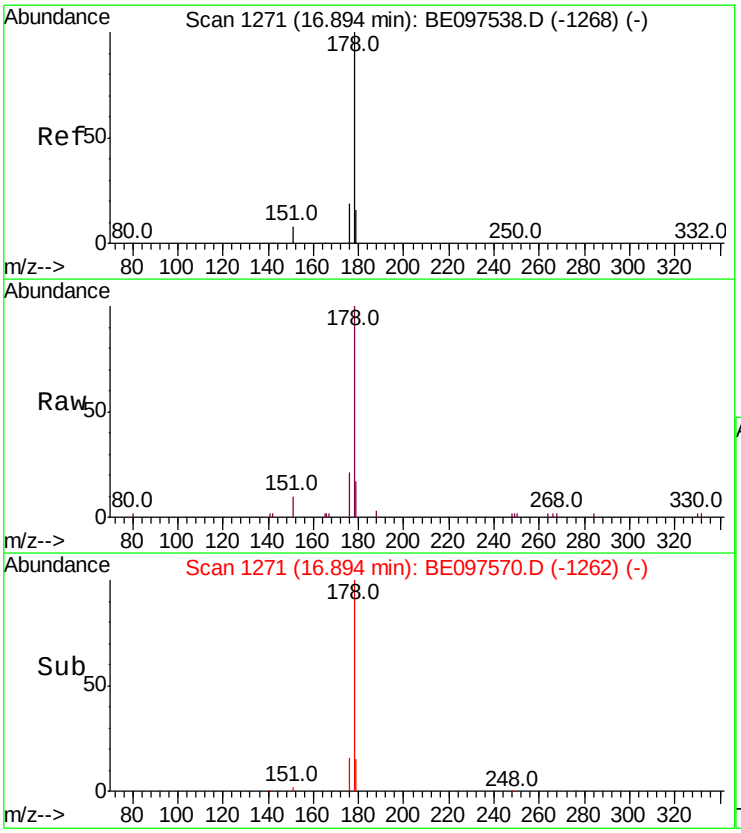
#23
Phenanthrene
Concen: 0.391 ng
RT: 16.80 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 5103

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.1	22.7
179	15.6	11.8	17.6

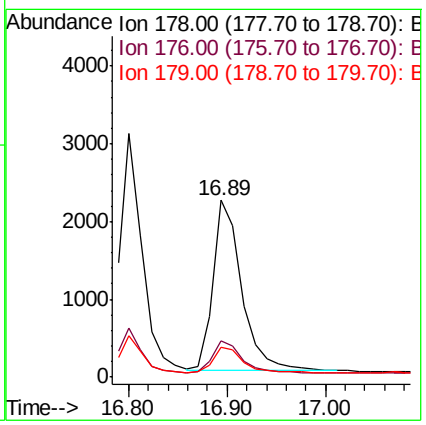


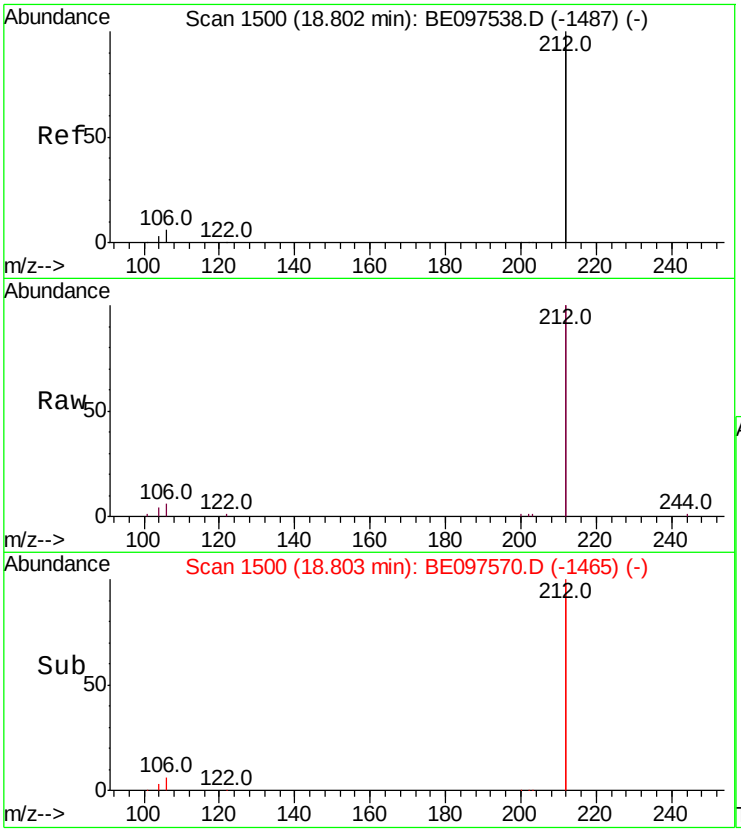


#24
Anthracene
Concen: 0.384 ng
RT: 16.89 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:178 Resp: 4429

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.0	13.0	19.6



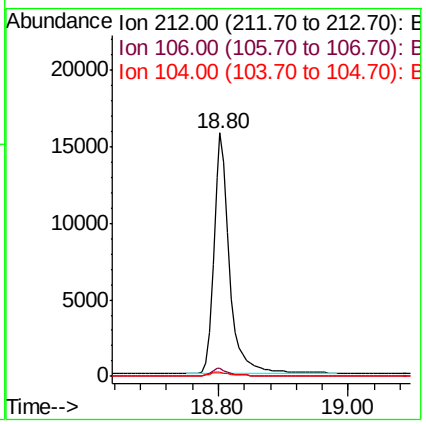


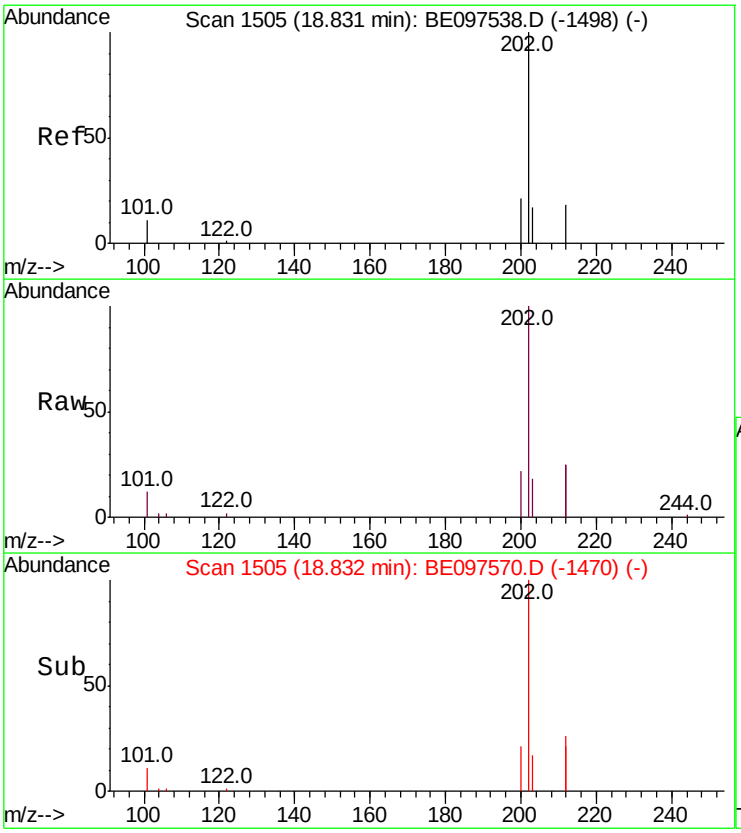
#25
Fluoranthene-d10
Concen: 0.381 ng
RT: 18.80 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 26827

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

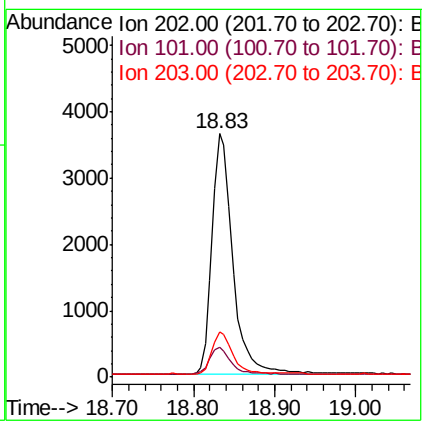


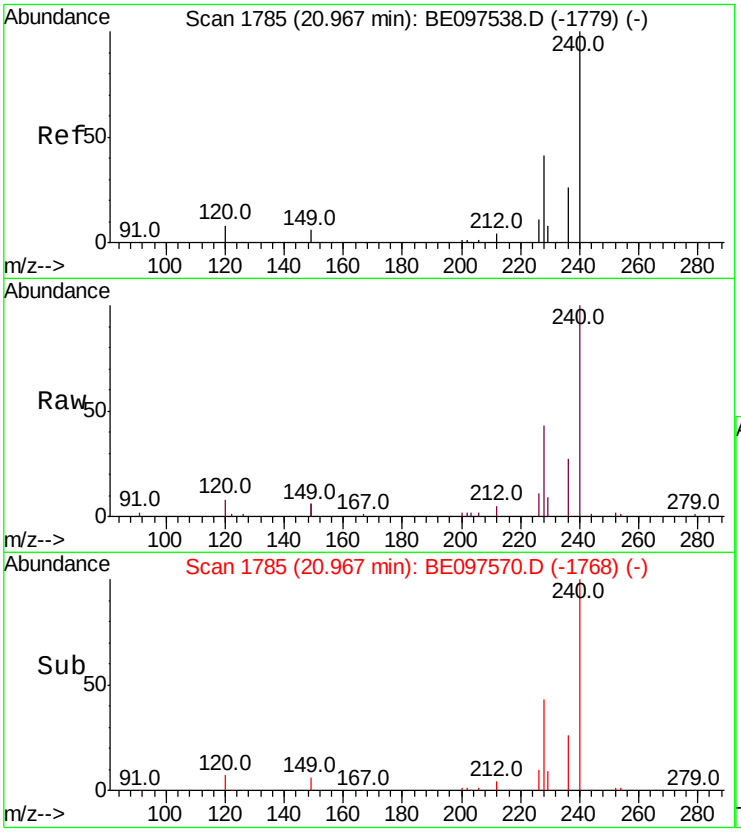


#26
Fluoranthene
Concen: 0.356 ng
RT: 18.83 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:202 Resp: 6439

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



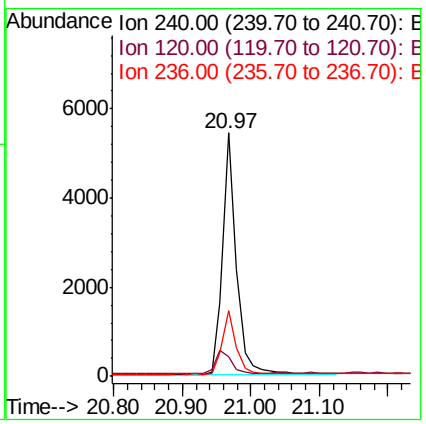


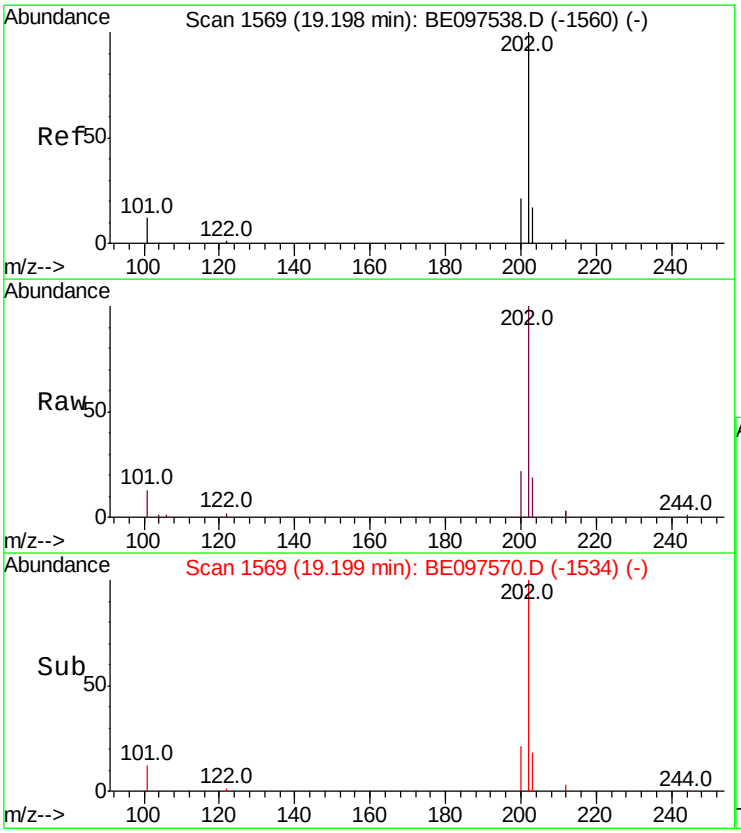
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 7564

Ion	Ratio	Lower	Upper
240	100		
120	7.9	5.5	8.3
236	27.0	20.7	31.1

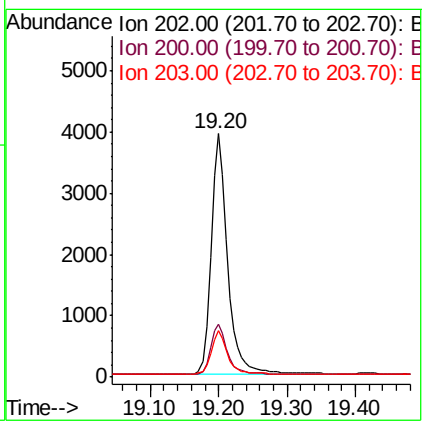


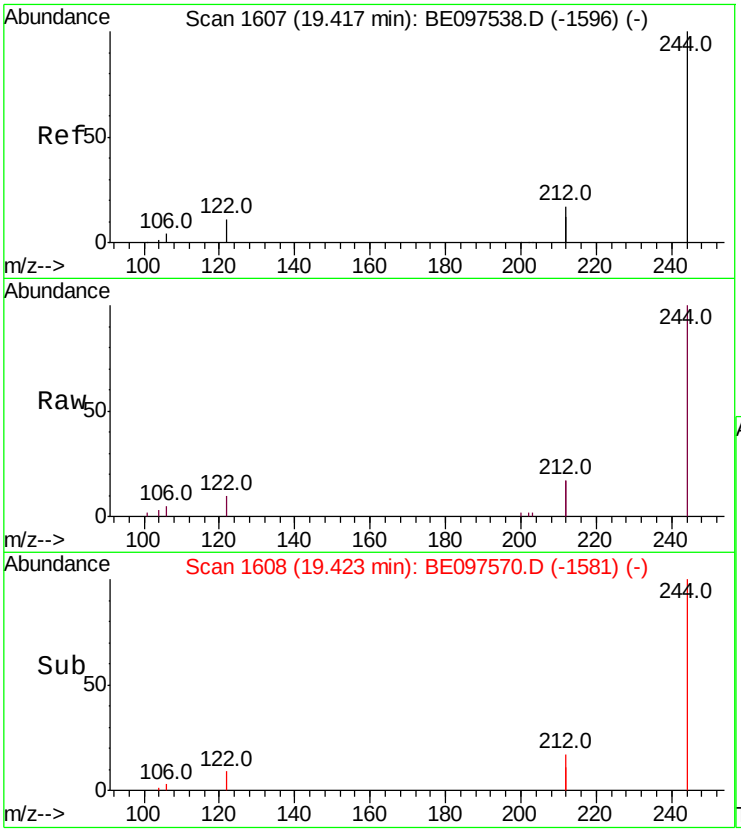


#28
Pyrene
Concen: 0.382 ng
RT: 19.20 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:202 Resp: 6570

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	17.6	13.8	20.8



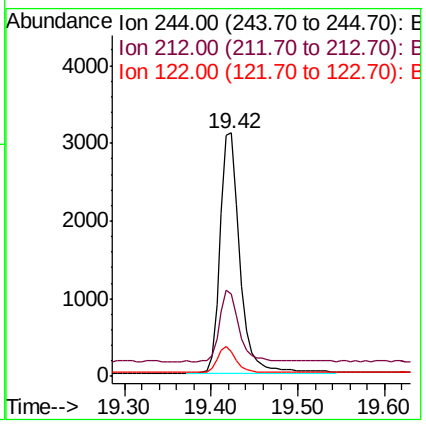


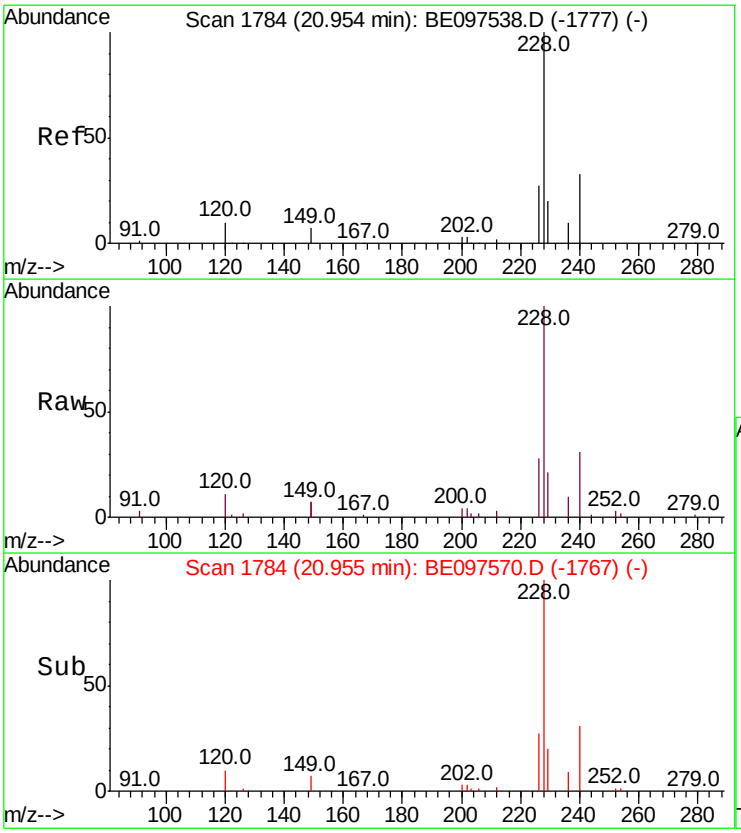
#29
Terphenyl-d14
Concen: 0.354 ng
RT: 19.42 min Scan# 1608
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4895

Ion	Ratio	Lower	Upper
244	100		
212	33.9	25.4	38.0
122	10.1	8.1	12.1

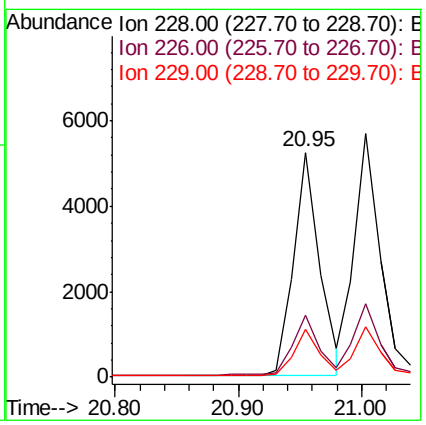


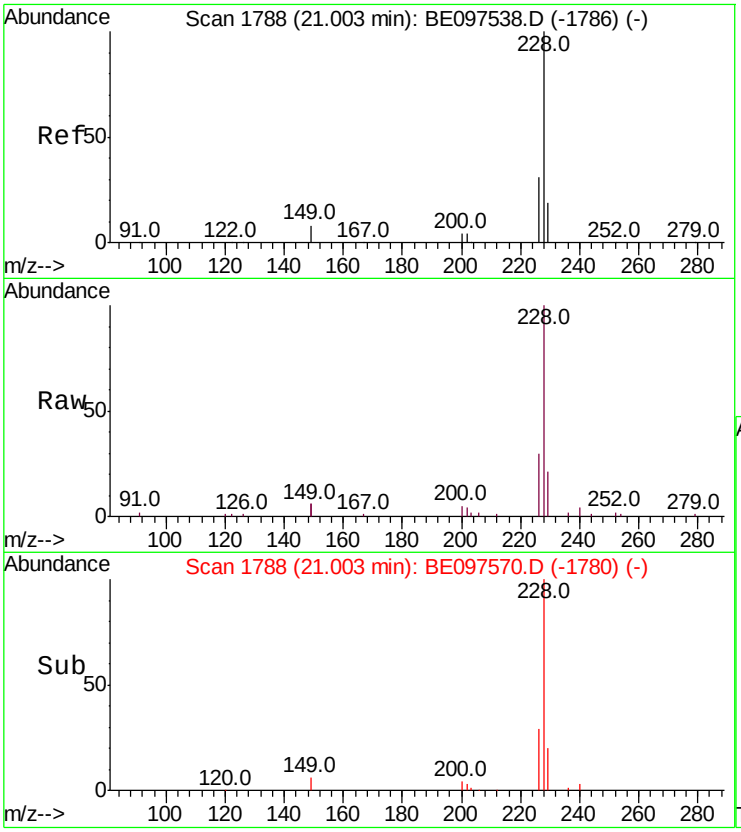


#30
Benzo(a)anthracene
Concen: 0.401 ng
RT: 20.95 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:228 Resp: 7638

Ion	Ratio	Lower	Upper
228	100		
226	27.6	24.0	36.0
229	21.2	16.0	24.0



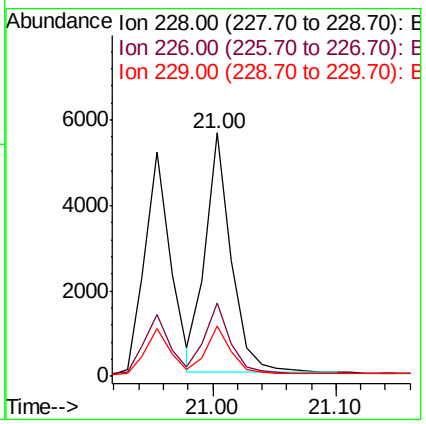


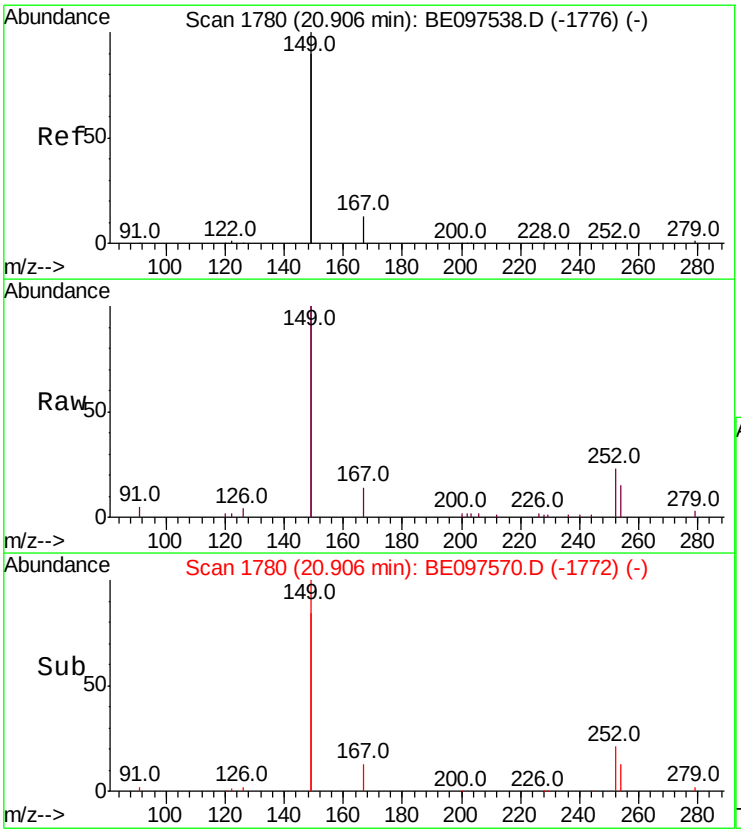
#31
Chrysene
Concen: 0.400 ng
RT: 21.00 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 8177

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.0	36.0
229	20.6	16.0	24.0

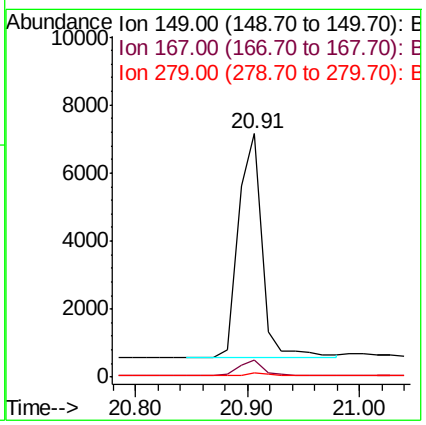


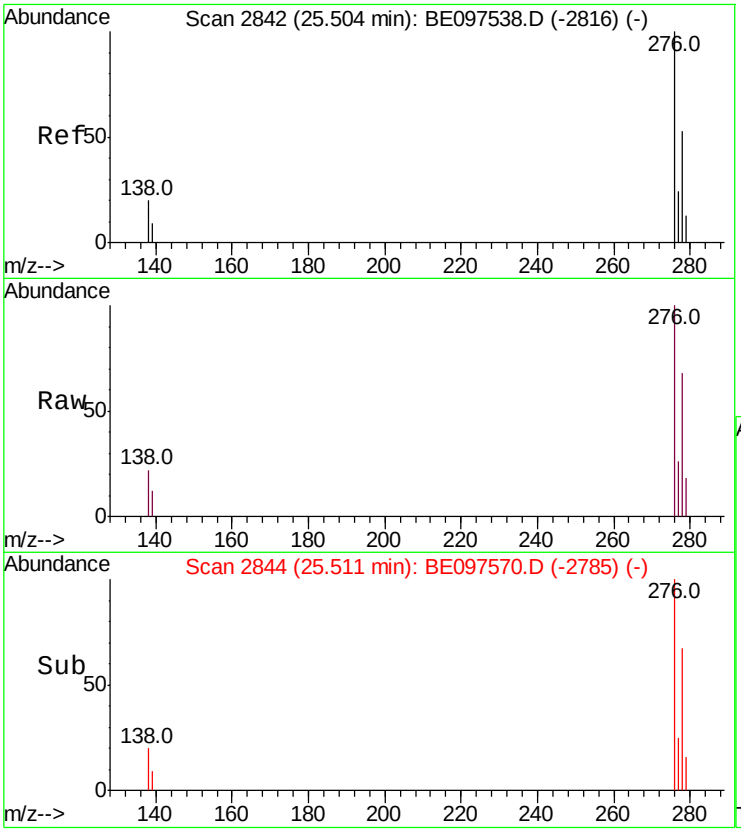


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.314 ng
RT: 20.91 min Scan# 1780
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:149 Resp: 9706

Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.4	8.0
279	1.1	0.7	1.1



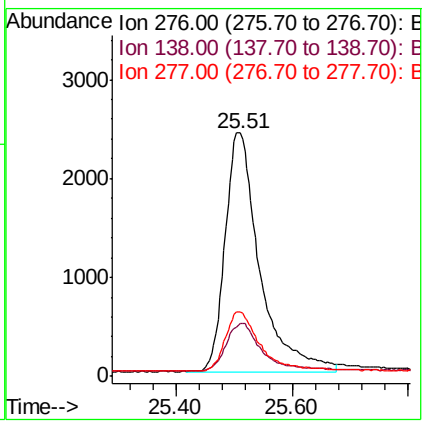


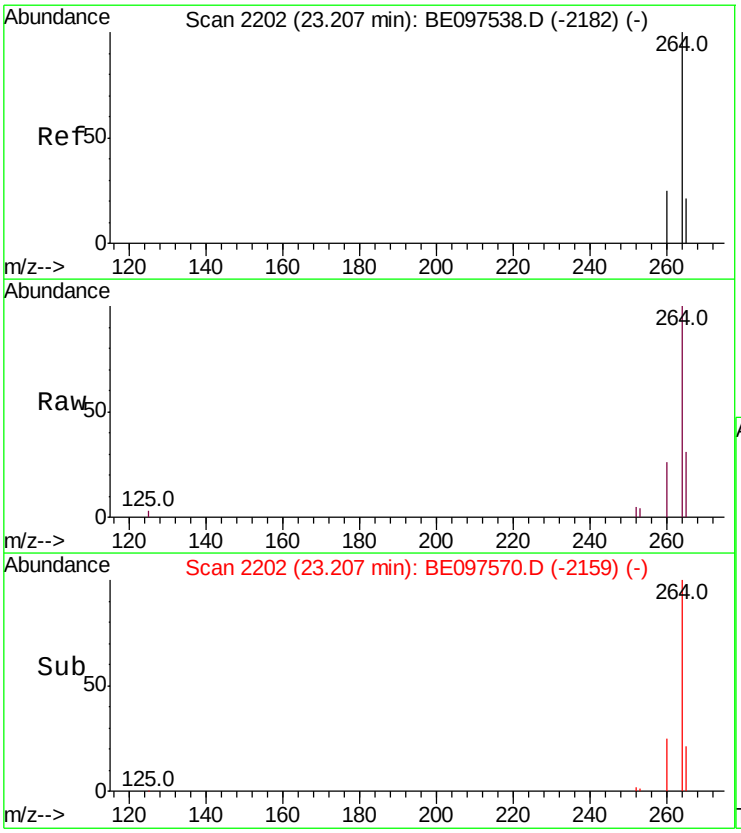
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.405 ng
RT: 25.51 min Scan# 2844
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 9959

Ion	Ratio	Lower	Upper
276	100		
138	19.8	22.5	33.7#
277	24.7	19.9	29.9

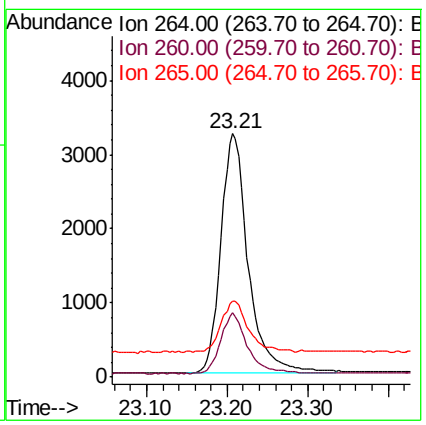


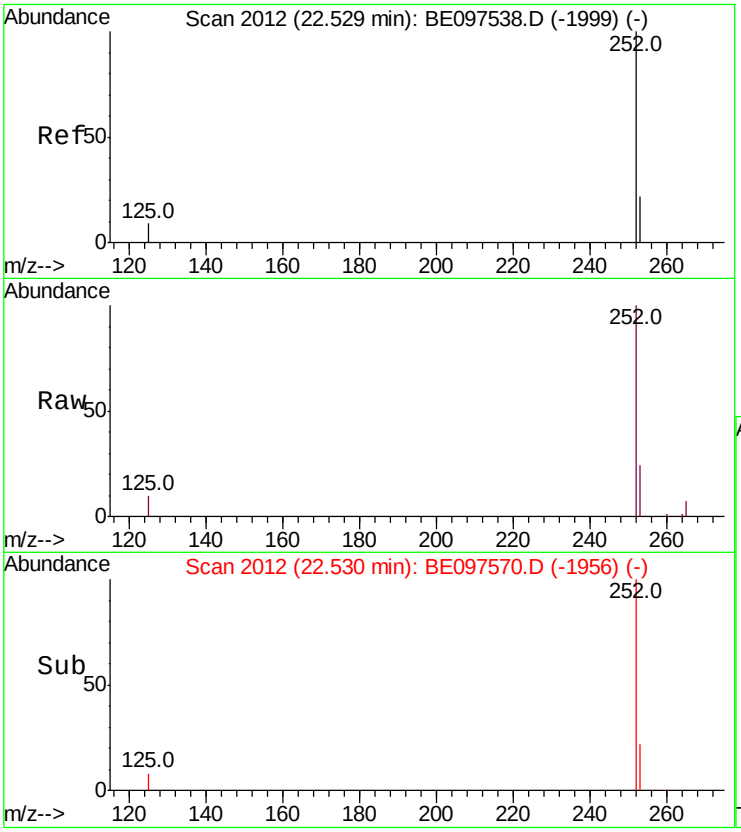


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.21 min Scan# 2202
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:264 Resp: 7645

Ion	Ratio	Lower	Upper
264	100		
260	26.4	20.5	30.7
265	31.1	22.8	34.2



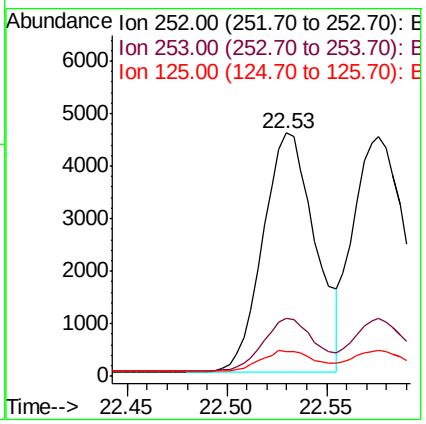


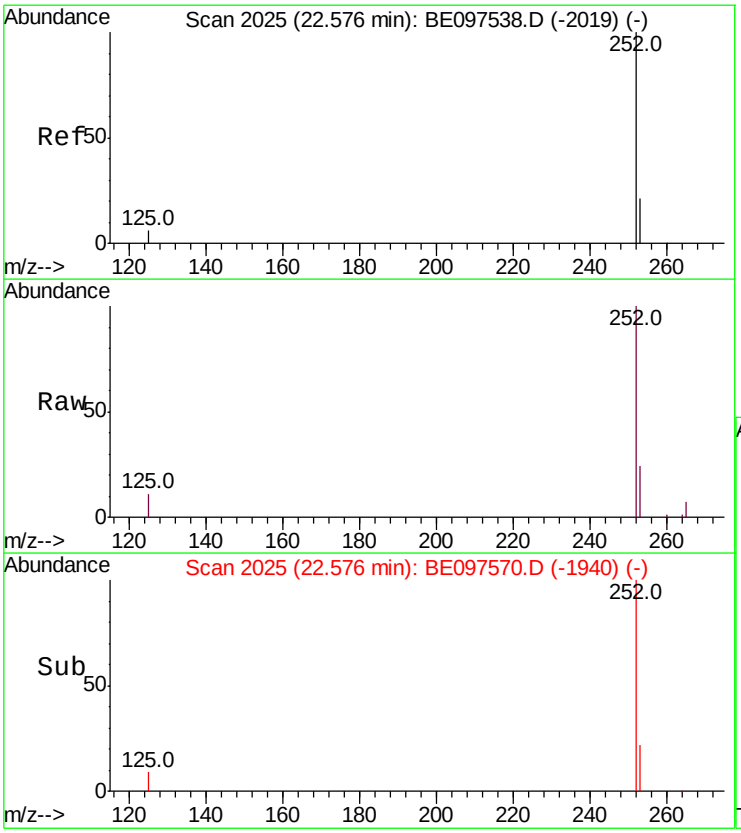
#35
Benzo(b)fluoranthene
Concen: 0.423 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8291

Ion	Ratio	Lower	Upper
252	100		
253	23.7	20.0	30.0
125	10.4	16.0	24.0#

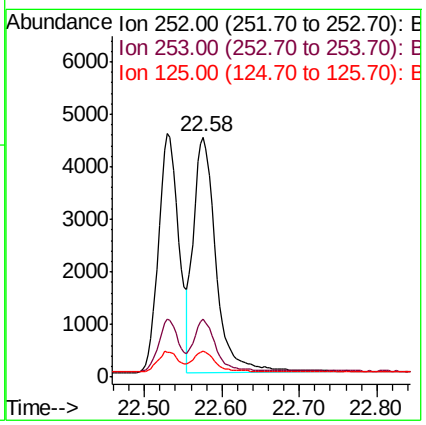


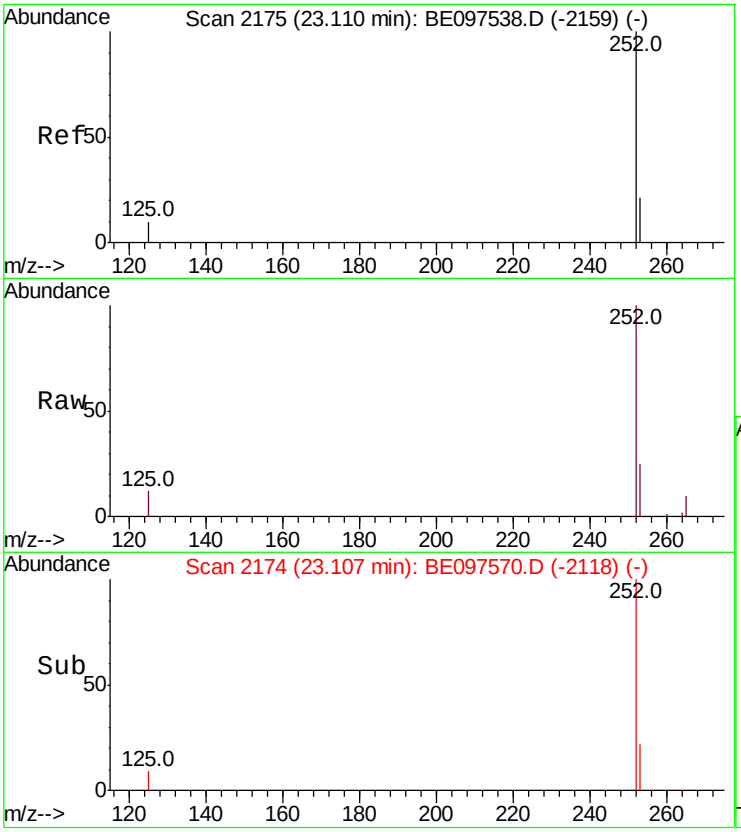


#36
Benzo(k)fluoranthene
Concen: 0.404 ng
RT: 22.58 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:252 Resp: 9036

Ion	Ratio	Lower	Upper
252	100		
253	24.0	16.0	24.0
125	11.1	8.0	12.0



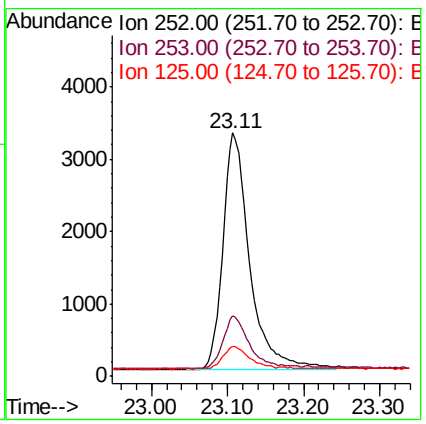


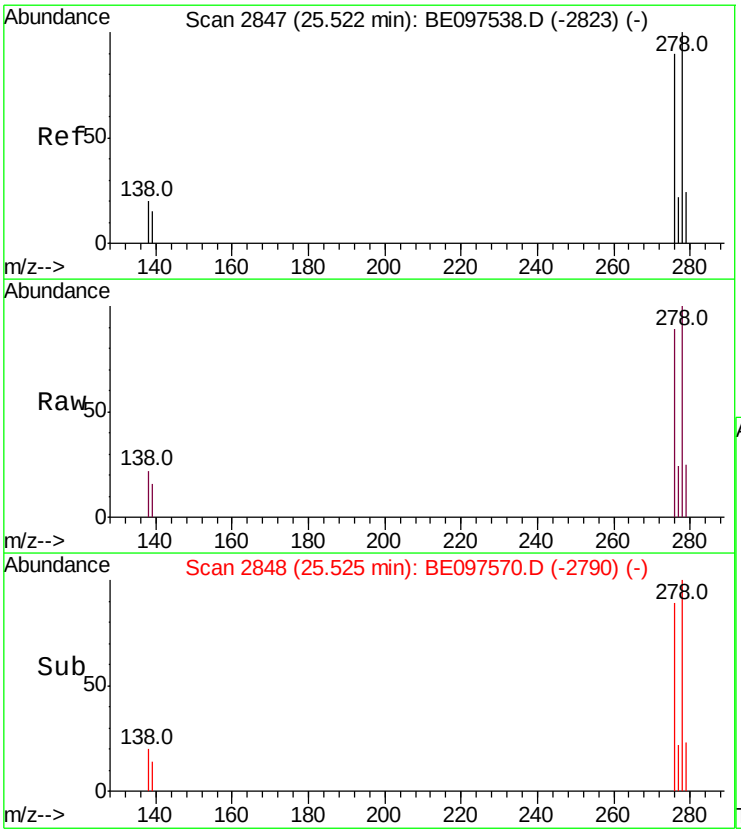
#37
Benzo(a)pyrene
Concen: 0.421 ng
RT: 23.11 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8020

Ion	Ratio	Lower	Upper
252	100		
253	24.9	16.0	24.0#
125	12.3	12.0	18.0

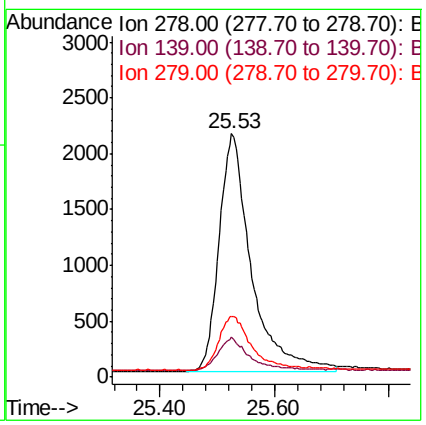


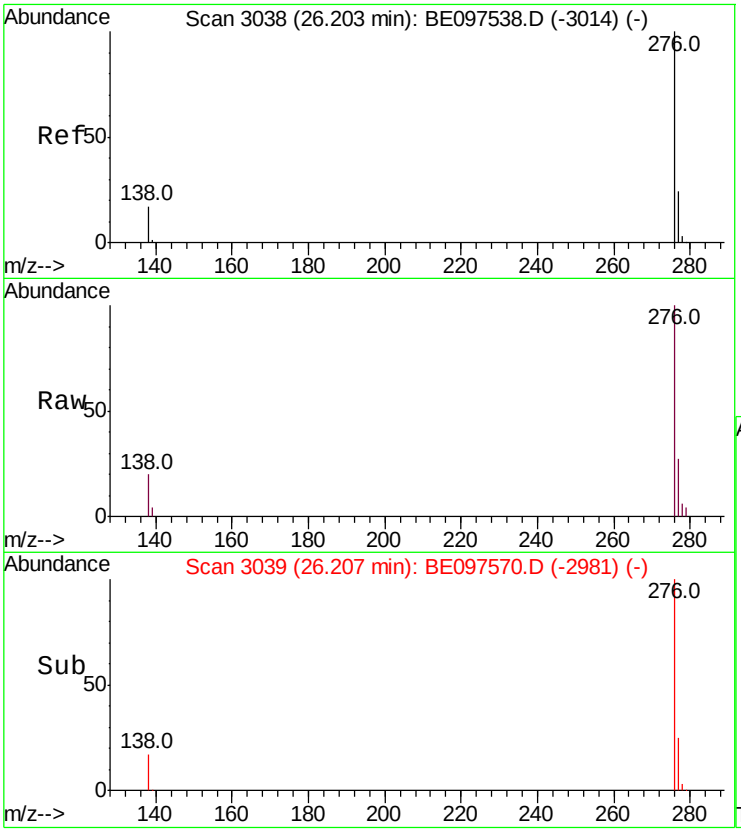


#38
Dibenzo(a,h)anthracene
Concen: 0.406 ng
RT: 25.53 min Scan# 2848
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Tgt Ion:278 Resp: 8347

Ion	Ratio	Lower	Upper
278	100		
139	16.4	16.0	24.0
279	25.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.422 ng
RT: 26.21 min Scan# 3039
Delta R.T. 0.01 min
Lab File: BE097570.D
Acq: 20 Sep 2018 10:13

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8426

Ion	Ratio	Lower	Upper
276	100		
277	26.6	16.0	24.0#
138	19.5	20.0	30.0#