Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092018\
Data File : BE097605.D
Acq On : 21 Sep 2018 11:04
Operator : SJ/JU
Sample : PB112986BS
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Sep 21 13:26:03 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	7.37	152	1079	0.40	ng		0.00
7) Naphthalene-d8	10.12	136	4640	0.40	ng		-0.01
13) Acenaphthene-d10	14.00	164	2301	0.40	ng		0.00
19) Phenanthrene-d10	16.75	188	5396	0.40	ng		0.00
27) Chrysene-d12	20.97	240	7228	0.40	ng		0.00
34) Perylene-d12	23.20	264	7766	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.07	112	1323	0.41	ng		0.01
5) Phenol-d6	6.61	99	1524	0.37	ng		0.00
8) Nitrobenzene-d5	8.52	82	1433	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	11.71	152	3550	0.56	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	256	0.32	ng		0.00
15) 2-Fluorobiphenyl	12.62	172	3683	0.45	ng		0.00
25) Fluoranthene-d10	18.80	212	25073	0.36	ng		0.00
29) Terphenyl-d14	19.41	244	4428	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.08	88	590	0.311	ng	#	84
3) n-Nitrosodimethylamine	3.38	42	583	0.373	ng	#	88
6) bis(2-Chloroethyl)ether	6.83	93	1265	0.330	ng		80
9) Naphthalene	10.17	128	17076	0.409	ng		100
10) Hexachlorobutadiene	10.46	225	714	0.371	ng		96
12) 2-Methylnaphthalene	11.79	142	2564	0.393	ng		98
16) Acenaphthylene	13.72	152	3579	0.393	ng		100
17) Acenaphthene	14.06	154	2315	0.380	ng		95
18) Fluorene	15.06	166	3000	0.377	ng	#	79
20) 4-Bromophenyl-phenylether	15.96	248	955	0.393	ng		89
21) Hexachlorobenzene	16.07	284	1076	0.402	ng	#	85
22) Pentachlorophenol	16.44	266	505	0.551	ng	#	77
23) Phenanthrene	16.80	178	5130	0.400	ng		98
24) Anthracene	16.89	178	4502	0.398	ng		95
26) Fluoranthene	18.83	202	6055	0.341	ng		98
28) Pyrene	19.19	202	6174	0.375	ng		99
30) Benzo(a)anthracene	20.96	228	7564	0.416	ng		96
31) Chrysene	21.00	228	7749	0.397	ng		99
32) Bis(2-ethylhexyl)phthalate	20.89	149	9932	0.335	ng		100
33) Indeno(1,2,3-cd)pyrene	25.50	276	10690	0.455	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	8153	0.409	ng	#	89
36) Benzo(k)fluoranthene	22.53	252	8153	0.359	ng		94
37) Benzo(a)pyrene	23.10	252	8229	0.425	ng	#	92
38) Dibenzo(a,h)anthracene	25.51	278	8839	0.423	ng		95
39) Benzo(g,h,i)perylene	26.20	276	8883	0.438	ng	#	90

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

Quantitation Report (Not Reviewed)

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Data File : BE097605.D
Acq On : 21 Sep 2018 11:04
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Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Sep 21 13:26:03 2018
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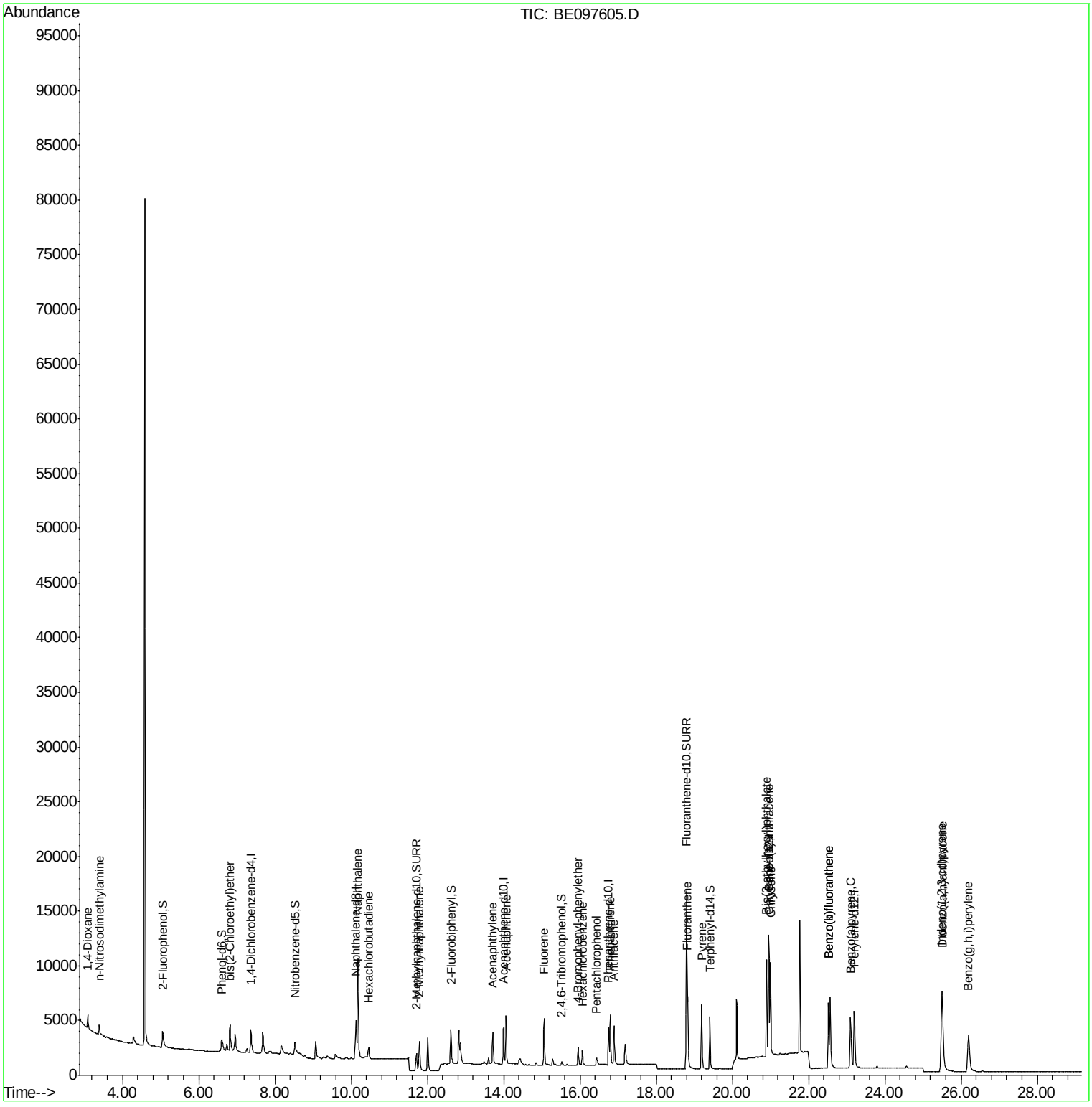
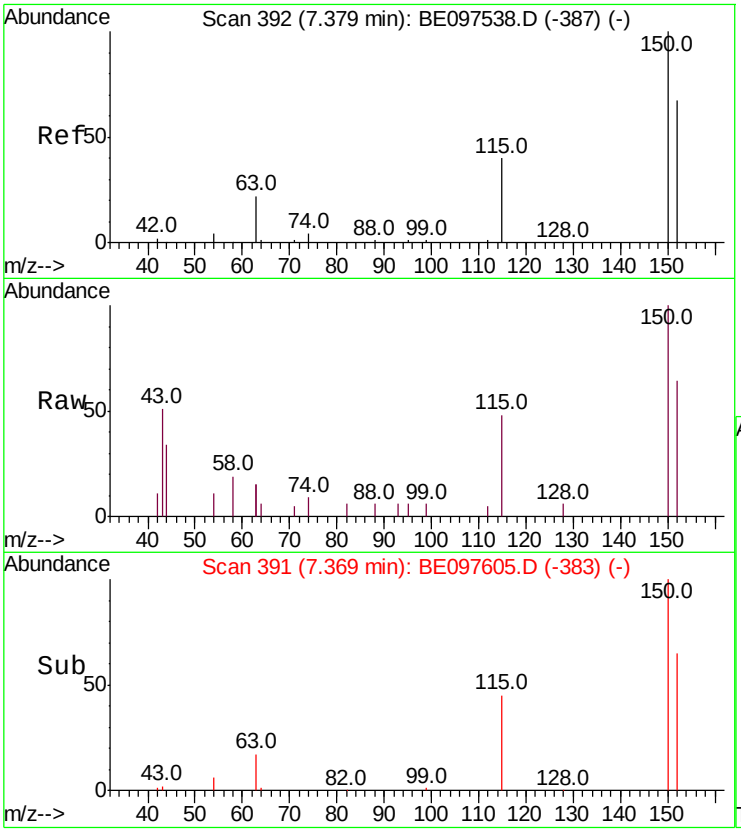
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration



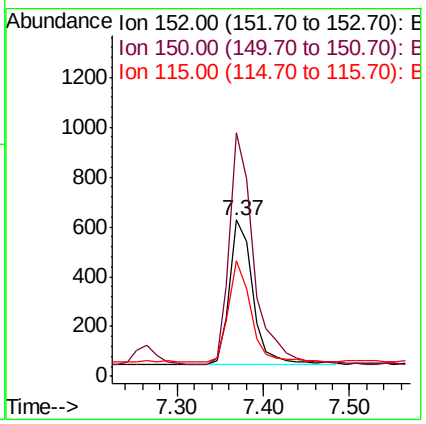


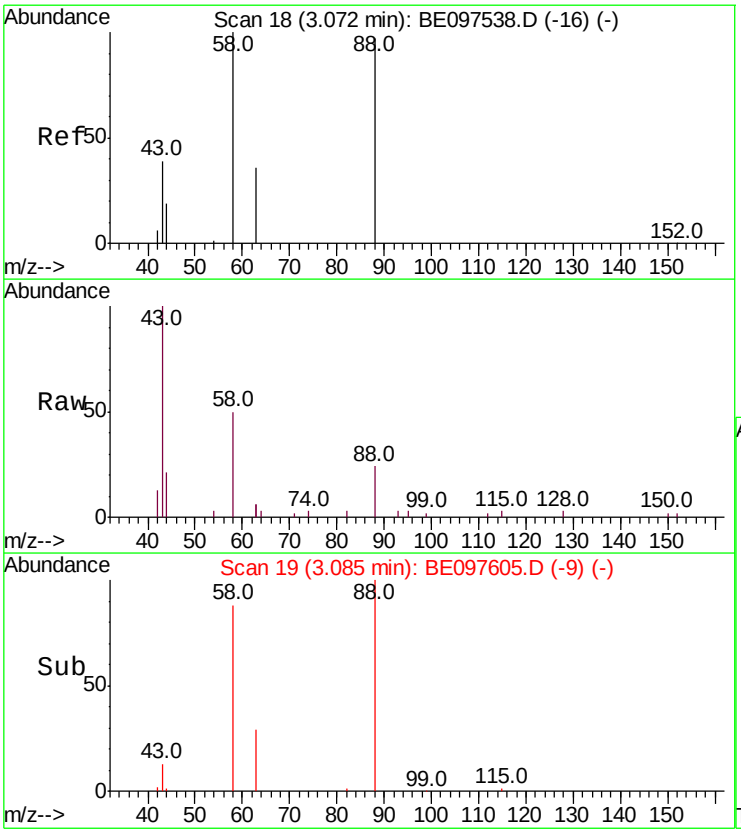
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.37 min Scan# 391
Delta R.T. -0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1079

Ion	Ratio	Lower	Upper
152	100		
150	155.6	117.2	175.8
115	74.2	57.0	85.6

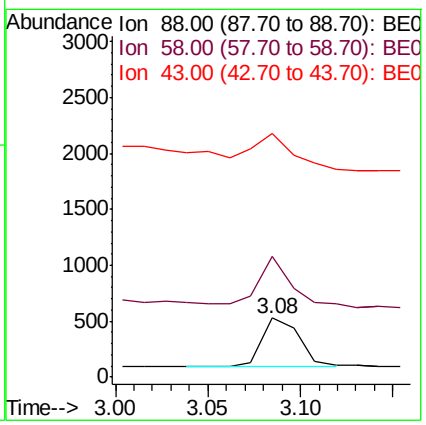


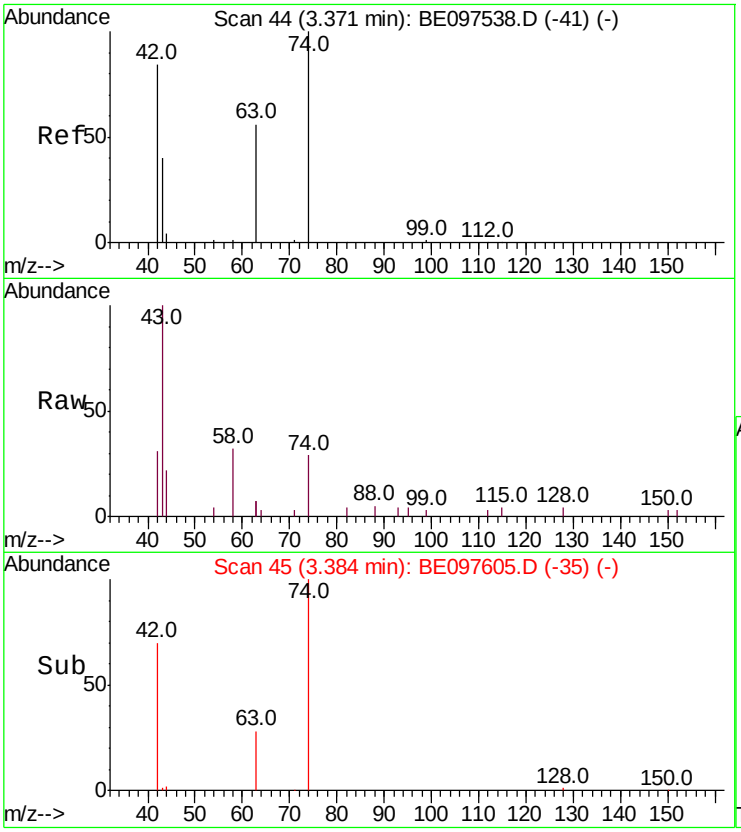


#2
1,4-Dioxane
Concen: 0.311 ng
RT: 3.08 min Scan# 19
Delta R.T. 0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion: 88 Resp: 590

Ion	Ratio	Lower	Upper
88	100		
58	79.0	63.2	94.8
43	79.3	41.2	61.8#



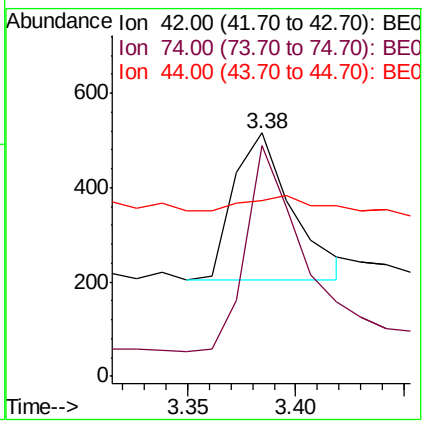


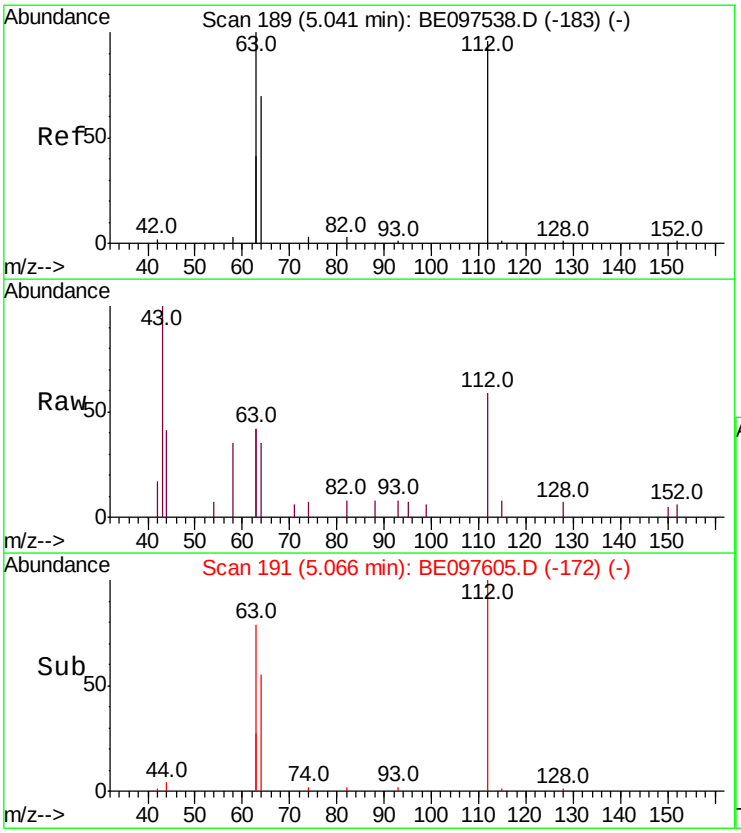
#3
n-Nitrosodimethylamine
Concen: 0.373 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 583

Ion	Ratio	Lower	Upper
42	100		
74	132.9	96.0	144.0
44	9.4	12.0	18.0#

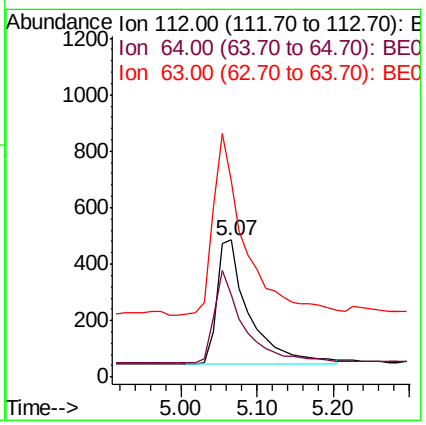


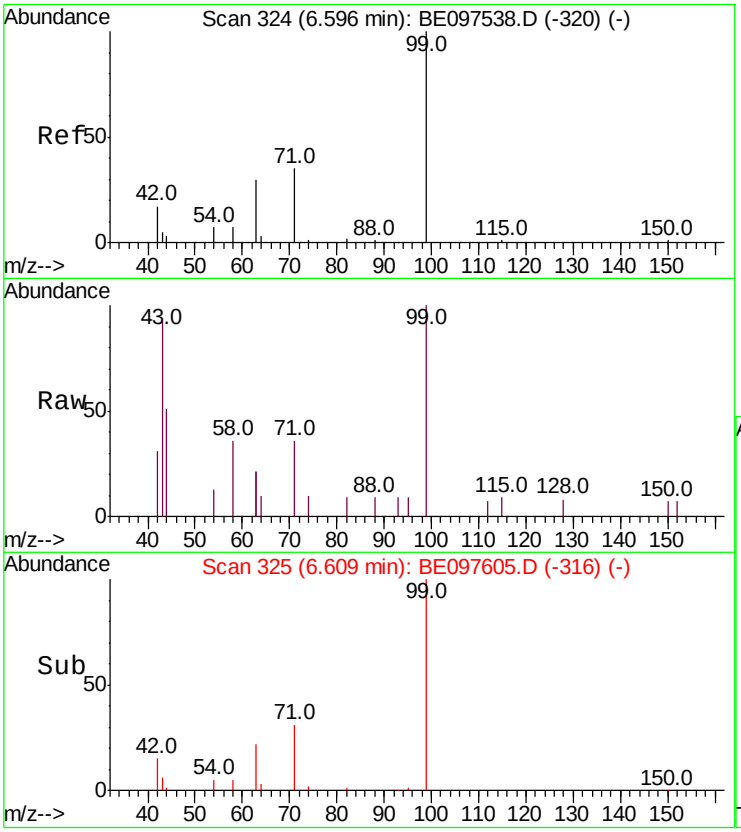


#4
2-Fluorophenol
Concen: 0.409 ng
RT: 5.07 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:112 Resp: 1323

Ion	Ratio	Lower	Upper
112	100		
64	67.3	60.1	90.1
63	141.7	116.8	175.2



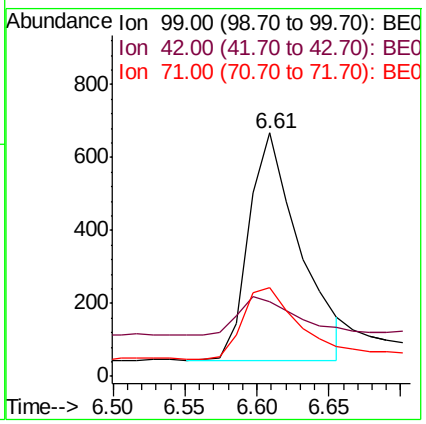


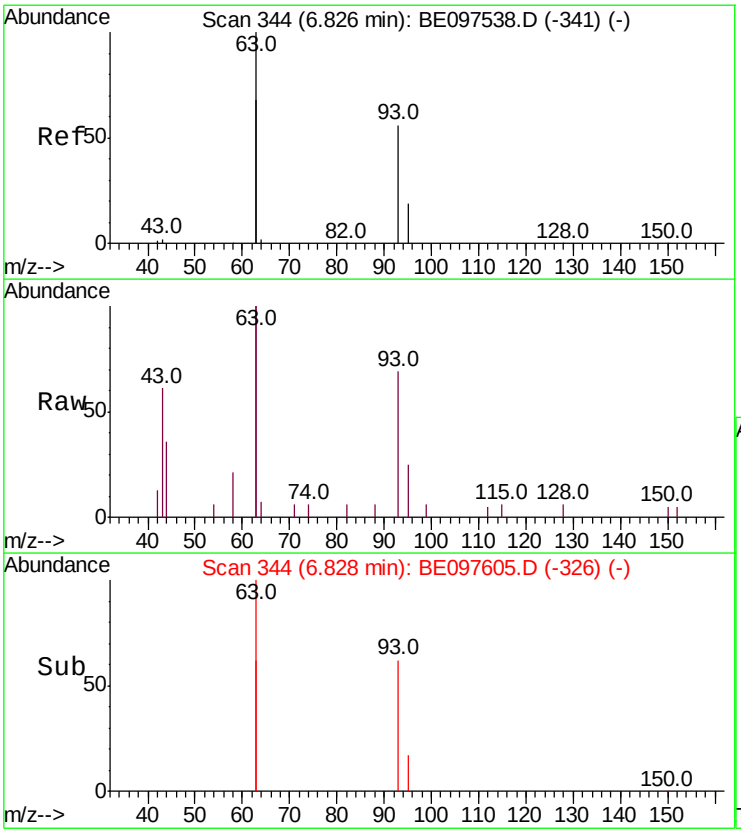
#5
Phenol-d6
Concen: 0.369 ng
RT: 6.61 min Scan# 325
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 1524

Ion	Ratio	Lower	Upper
99	100		
42	19.3	20.2	30.2#
71	34.1	28.4	42.6

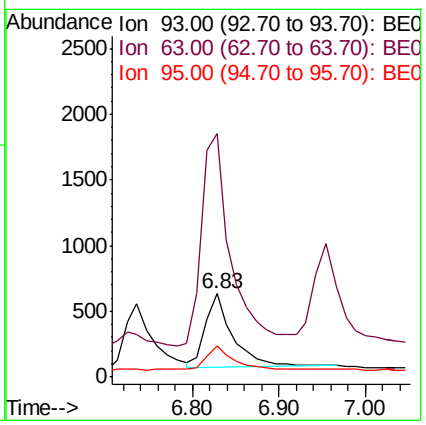


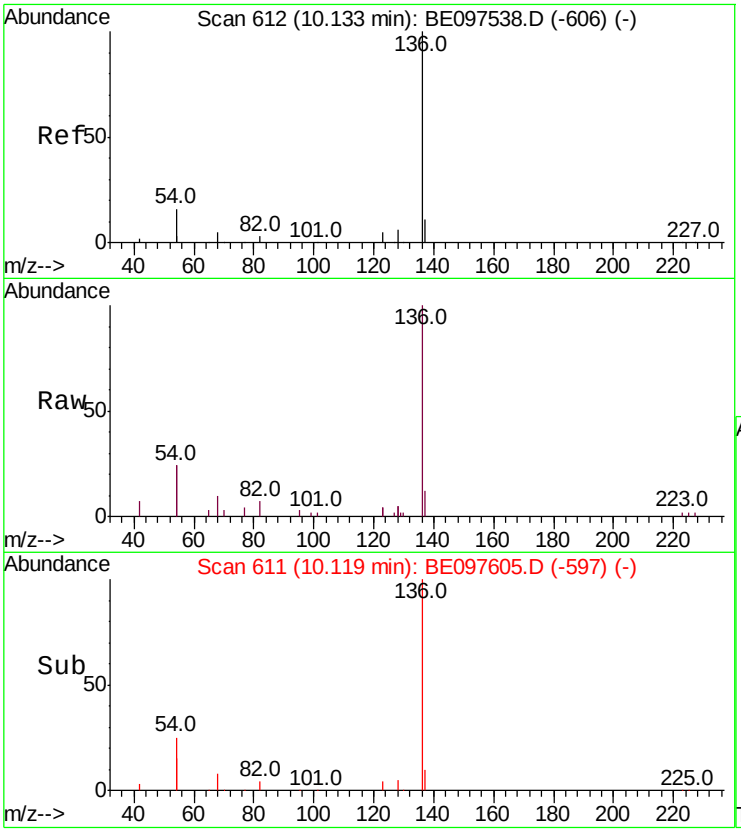


#6
bis(2-Chloroethyl)ether
Concen: 0.330 ng
RT: 6.83 min Scan# 344
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion: 93 Resp: 1265

Ion	Ratio	Lower	Upper
93	100		
63	299.1	275.3	412.9
95	34.3	25.2	37.8



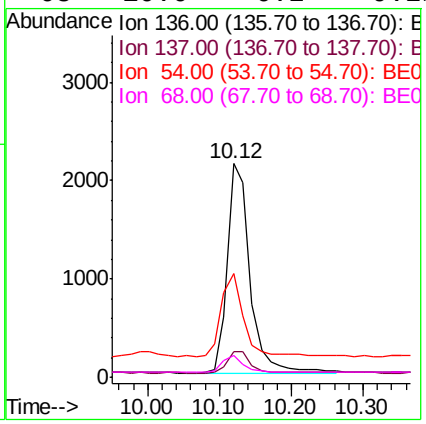


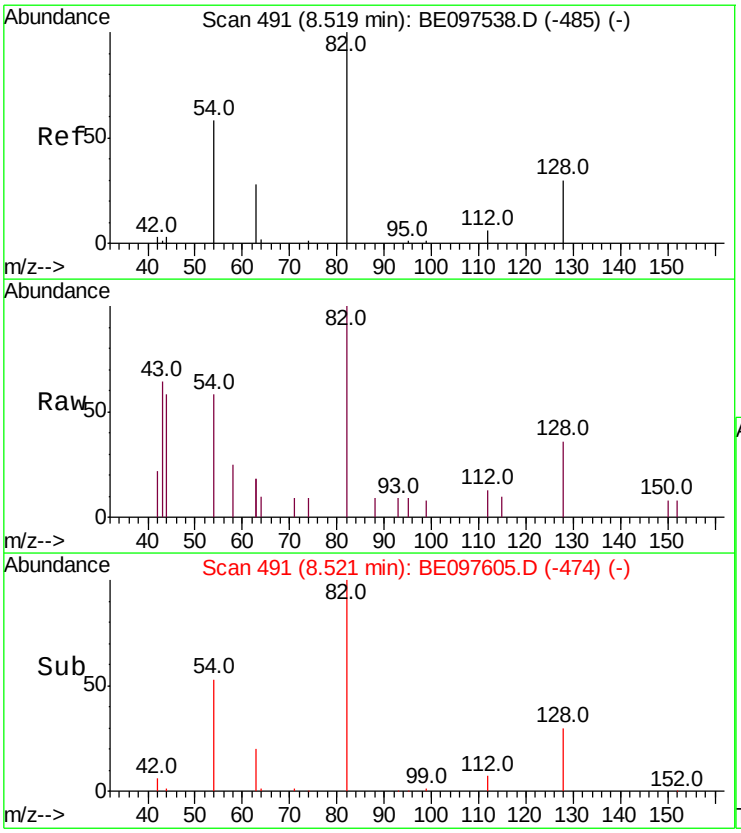
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.12 min Scan# 611
Delta R.T. -0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 4640

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.5	14.3
54	48.6	29.1	43.7#
68	10.0	6.2	9.2#

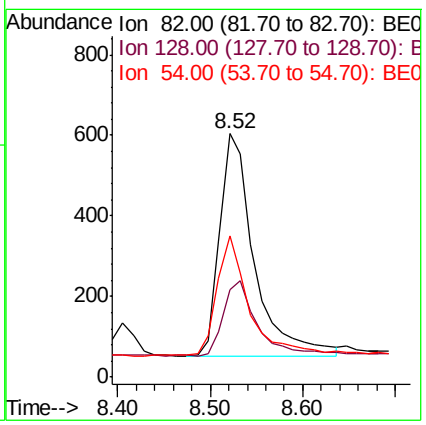


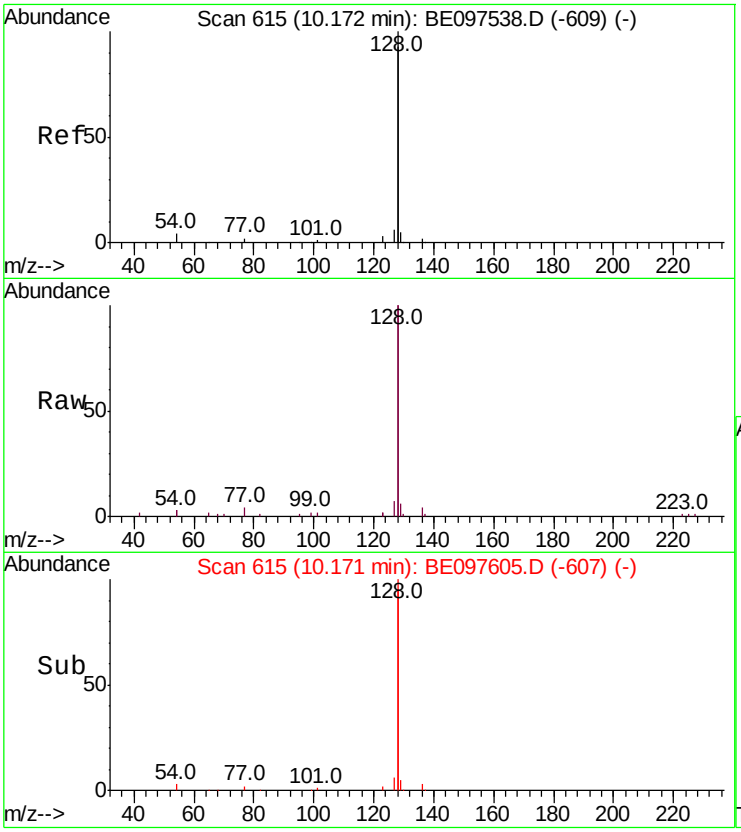


#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 8.52 min Scan# 491
Delta R.T. -0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion: 82 Resp: 1433

Ion	Ratio	Lower	Upper
82	100		
128	35.8	24.0	36.0
54	57.8	40.0	60.0



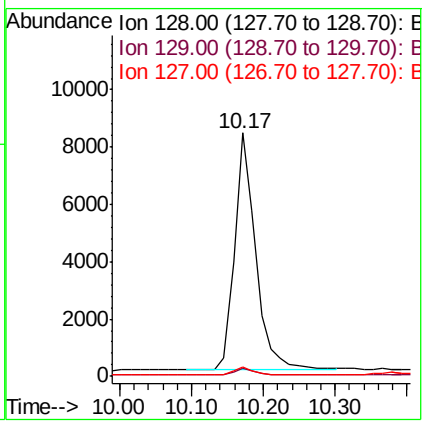


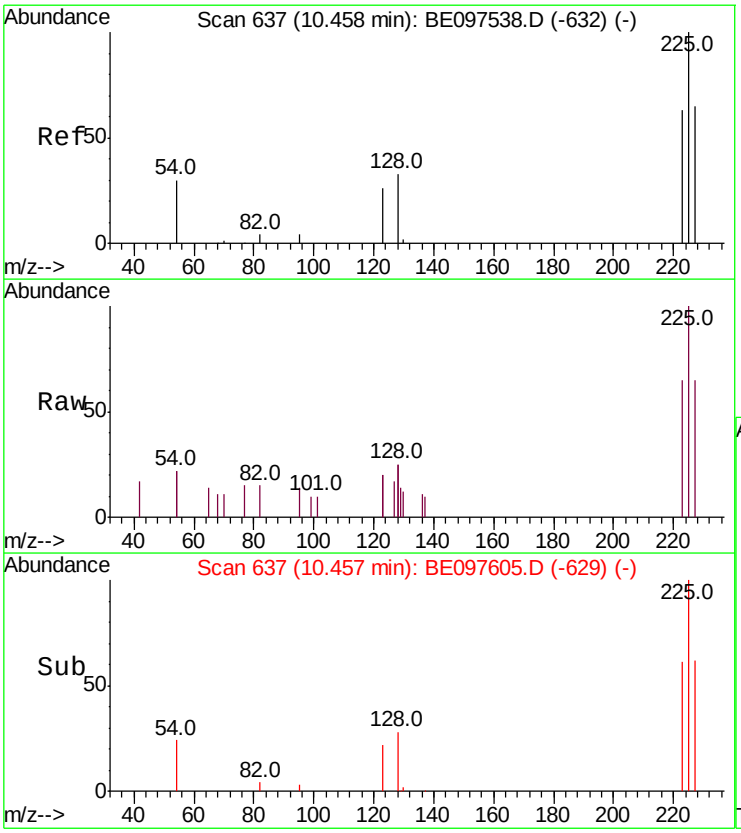
#9
Naphthalene
Concen: 0.409 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 17076

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

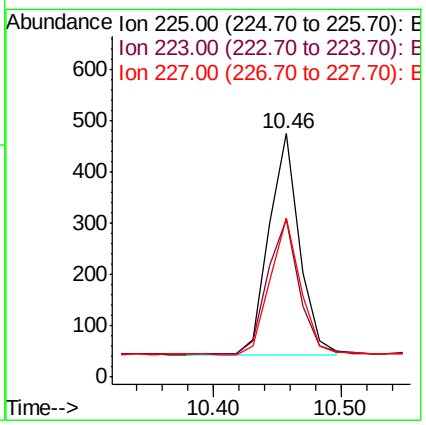


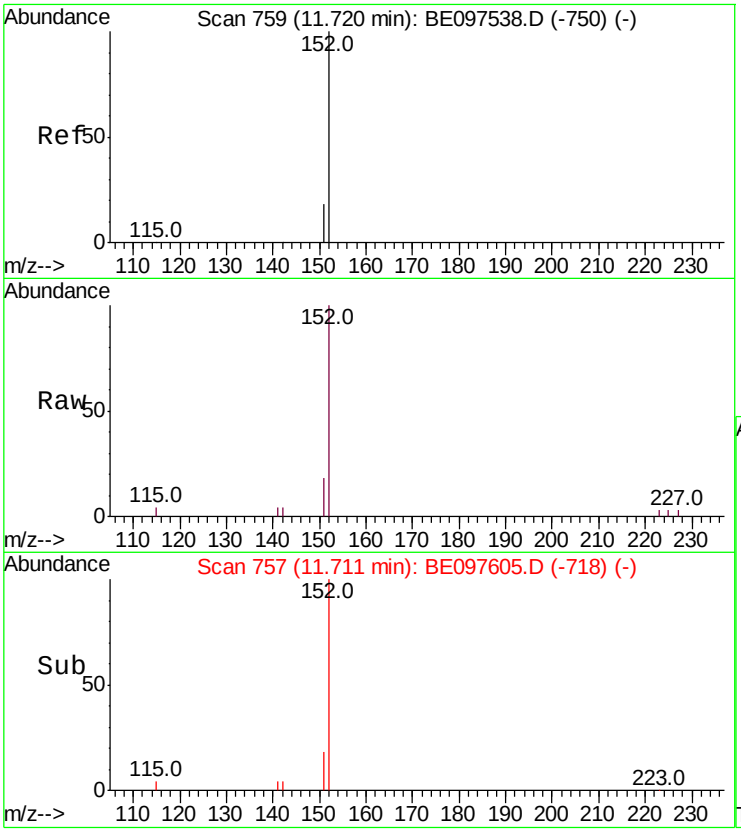


#10
Hexachlorobutadiene
Concen: 0.371 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:225 Resp: 714

Ion	Ratio	Lower	Upper
225	100		
223	63.2	53.0	79.6
227	61.2	51.4	77.2



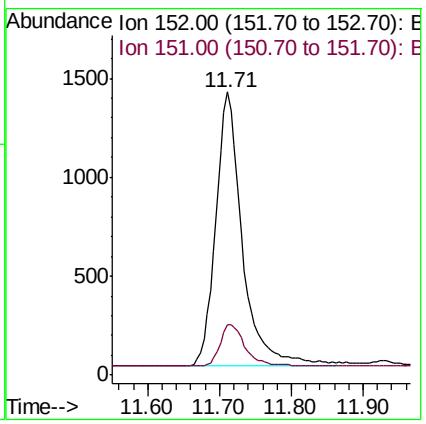


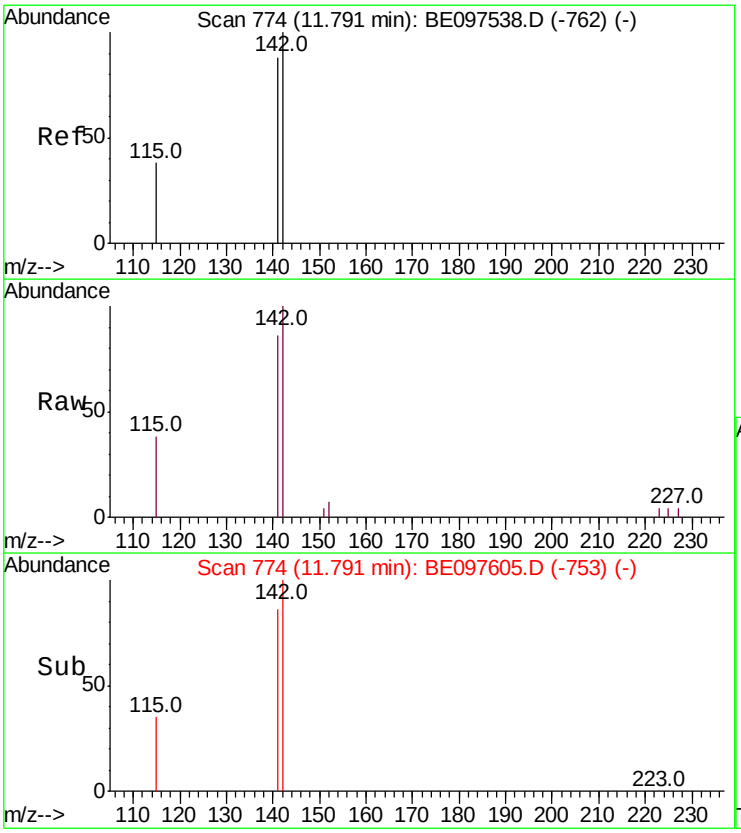
#11
2-Methylnaphthalene-d10
Concen: 0.555 ng
RT: 11.71 min Scan# 757
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 3550

Ion	Ratio	Lower	Upper
152	100		
151	13.7	15.4	23.0#

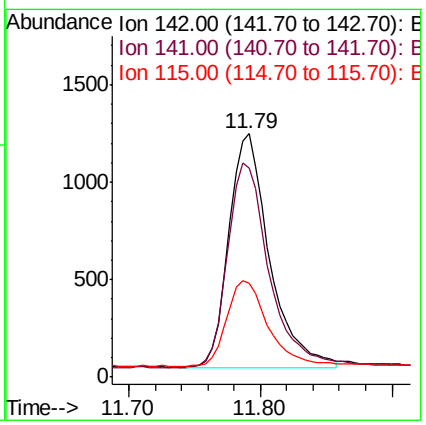


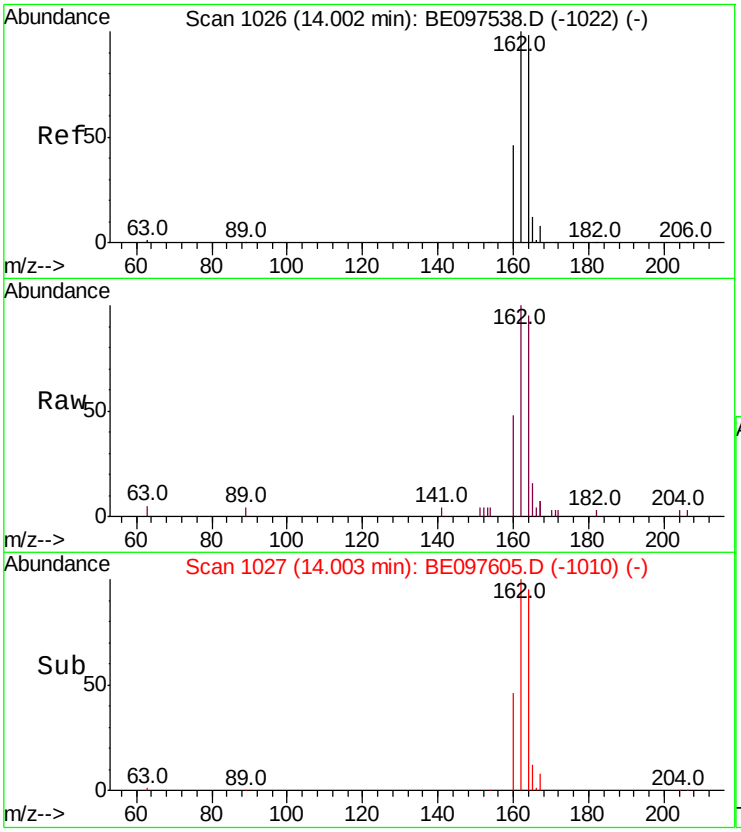


#12
2-Methylnaphthalene
Concen: 0.393 ng
RT: 11.79 min Scan# 774
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:142 Resp: 2564

Ion	Ratio	Lower	Upper
142	100		
141	85.8	70.4	105.6
115	38.4	31.7	47.5



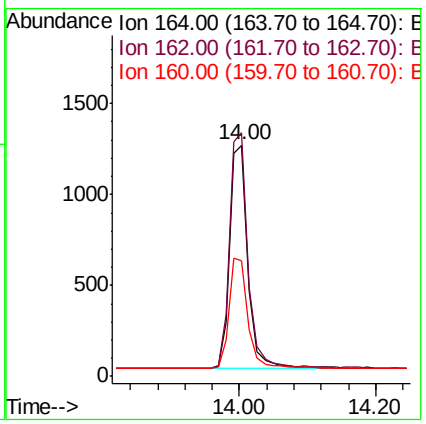


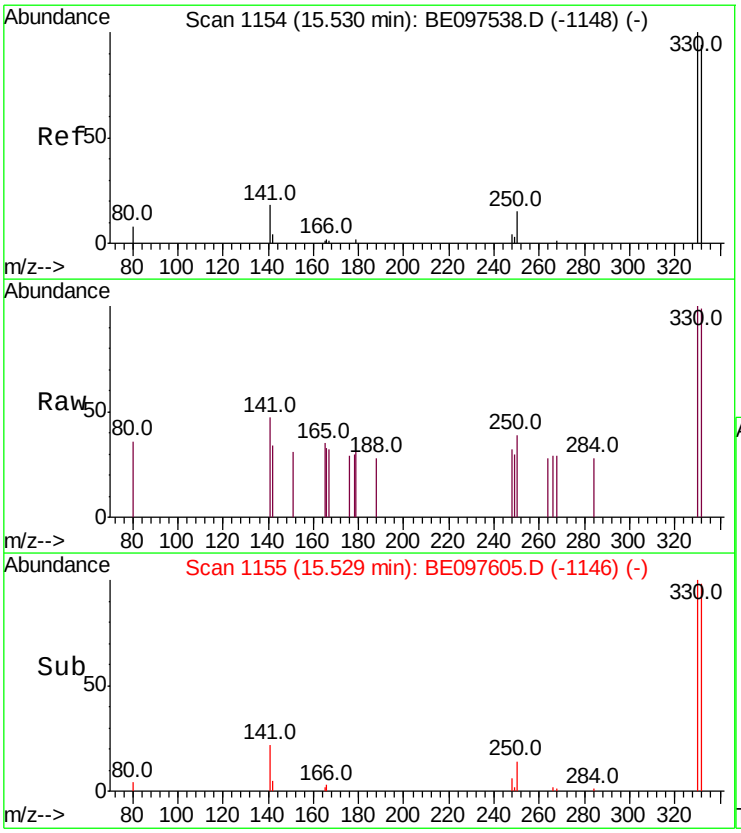
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2301

Ion	Ratio	Lower	Upper
164	100		
162	105.2	83.1	124.7
160	50.0	37.1	55.7

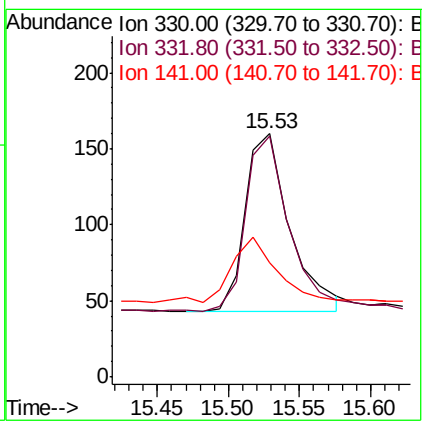


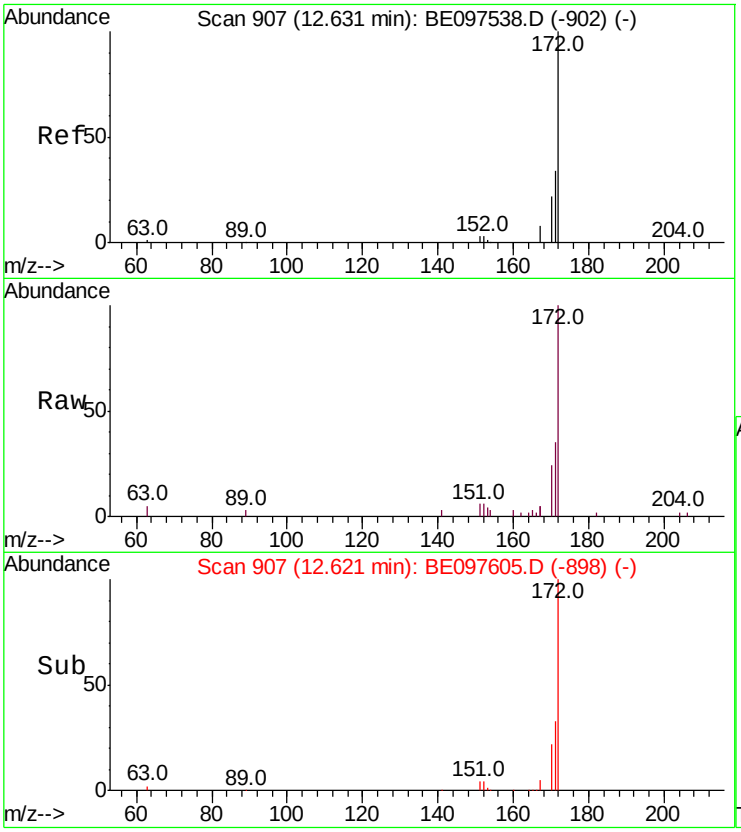


#14
2,4,6-Tribromophenol
Concen: 0.324 ng
RT: 15.53 min Scan# 1155
Delta R.T. 0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:330 Resp: 256

Ion	Ratio	Lower	Upper
330	100		
332	96.1	152.7	229.1#
141	37.5	33.7	50.5



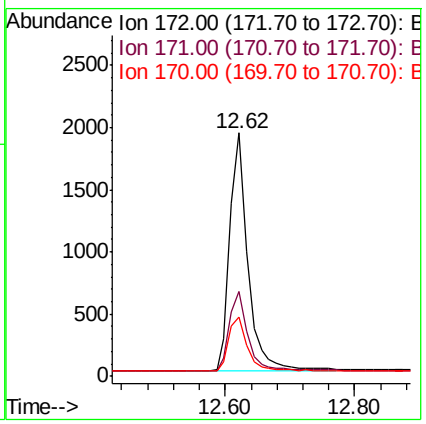


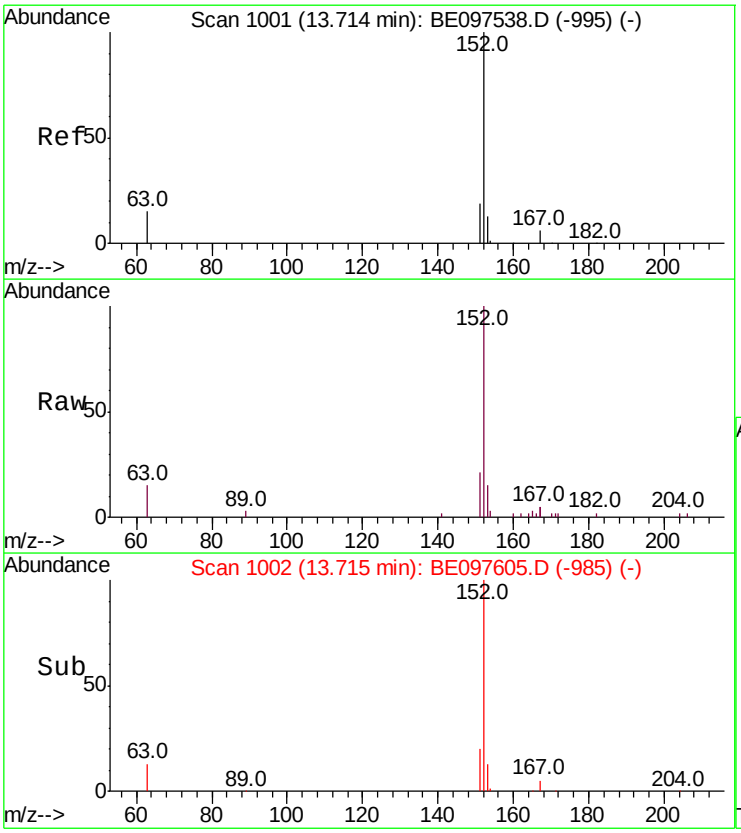
#15
2-Fluorobiphenyl
Concen: 0.453 ng
RT: 12.62 min Scan# 907
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 3683

Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.9	44.9
170	24.1	21.8	32.8

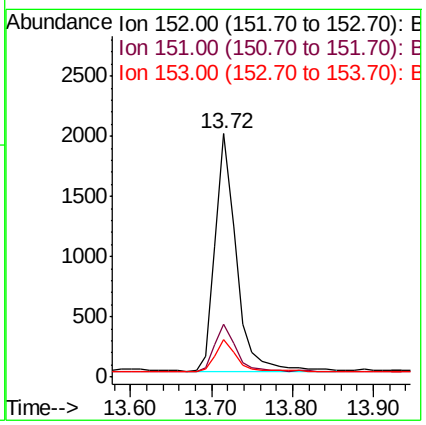


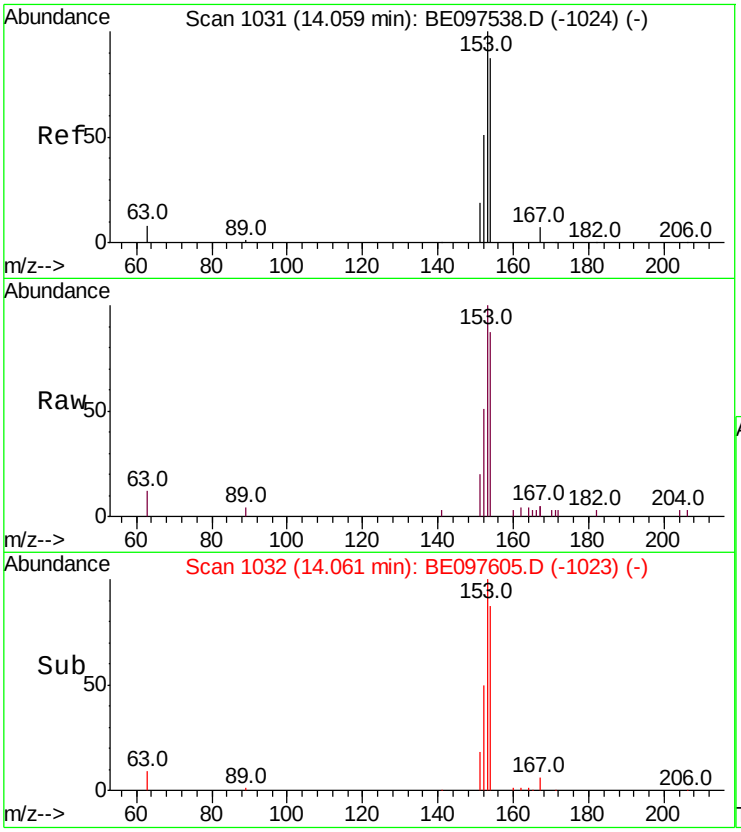


#16
Acenaphthylene
Concen: 0.393 ng
RT: 13.72 min Scan# 1002
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:152 Resp: 3579

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.7	23.5
153	13.2	10.5	15.7



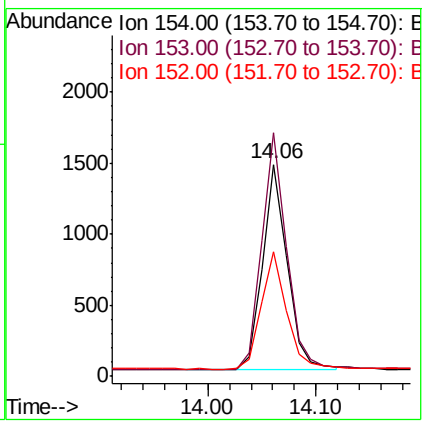


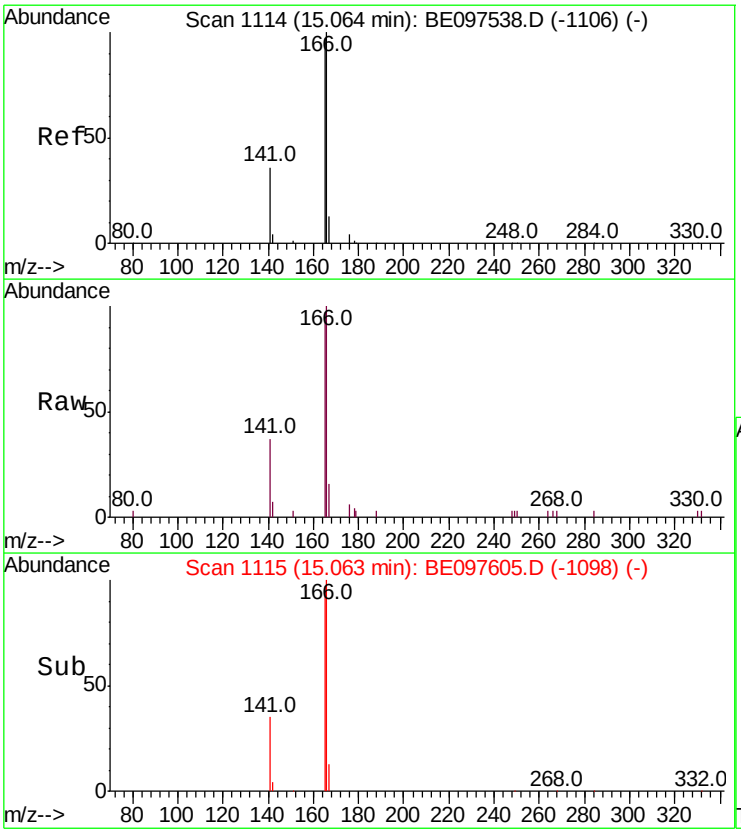
#17
Acenaphthene
Concen: 0.380 ng
RT: 14.06 min Scan# 1032
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 2315

Ion	Ratio	Lower	Upper
154	100		
153	116.0	89.2	133.8
152	58.2	42.0	63.0

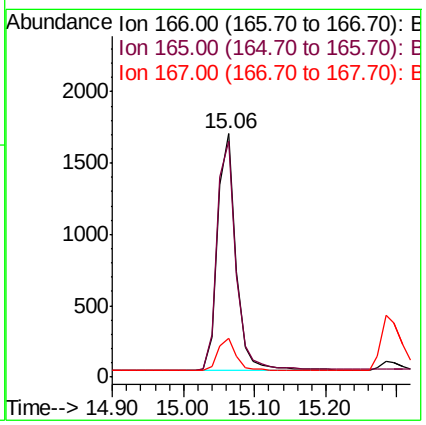


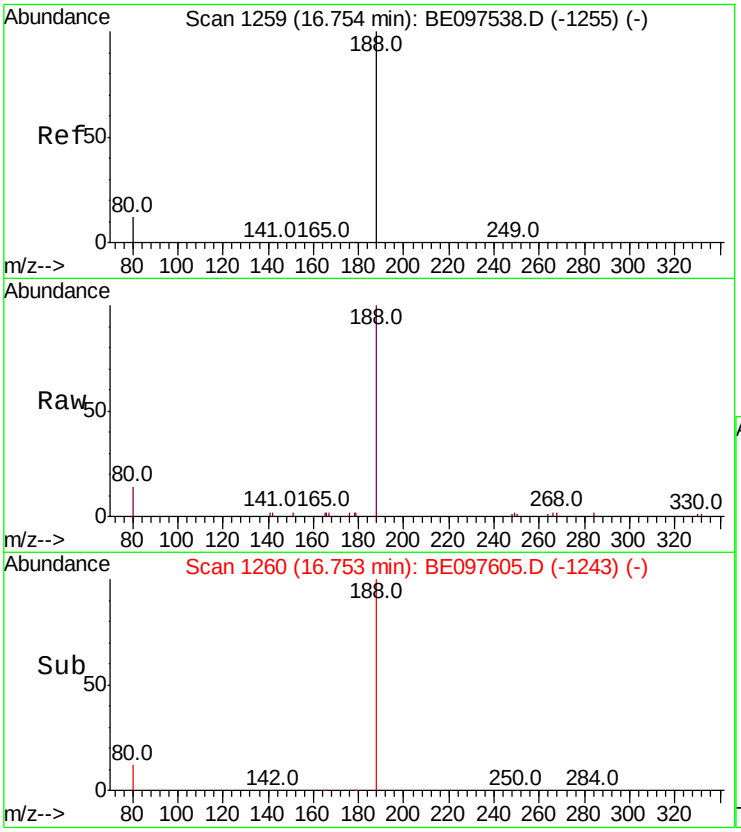


#18
Fluorene
Concen: 0.377 ng
RT: 15.06 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:166 Resp: 3000

Ion	Ratio	Lower	Upper
166	100		
165	99.9	77.8	116.6
167	13.5	42.4	63.6#



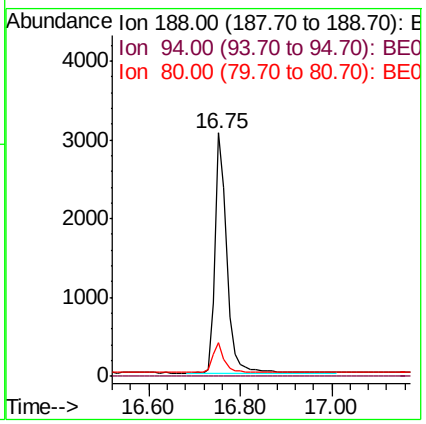


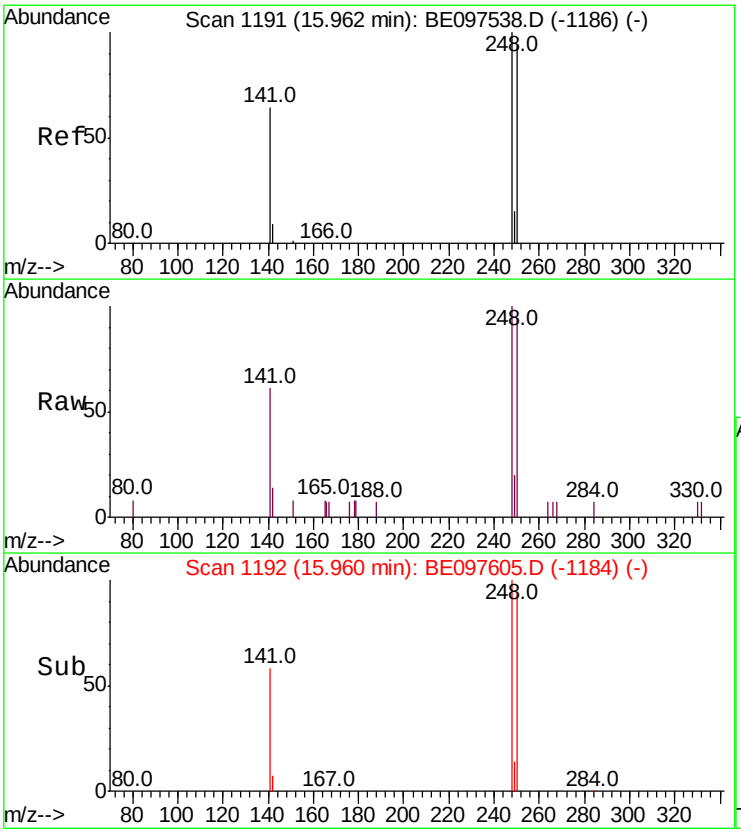
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1260
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 5396

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	13.6	3.6	5.4#

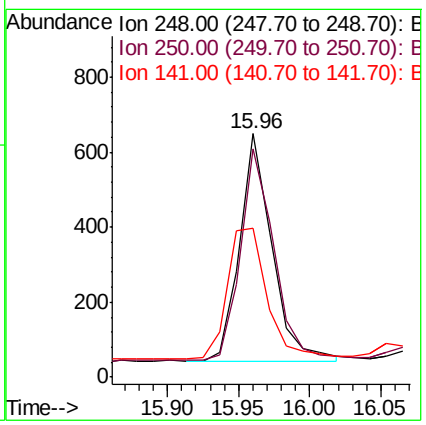


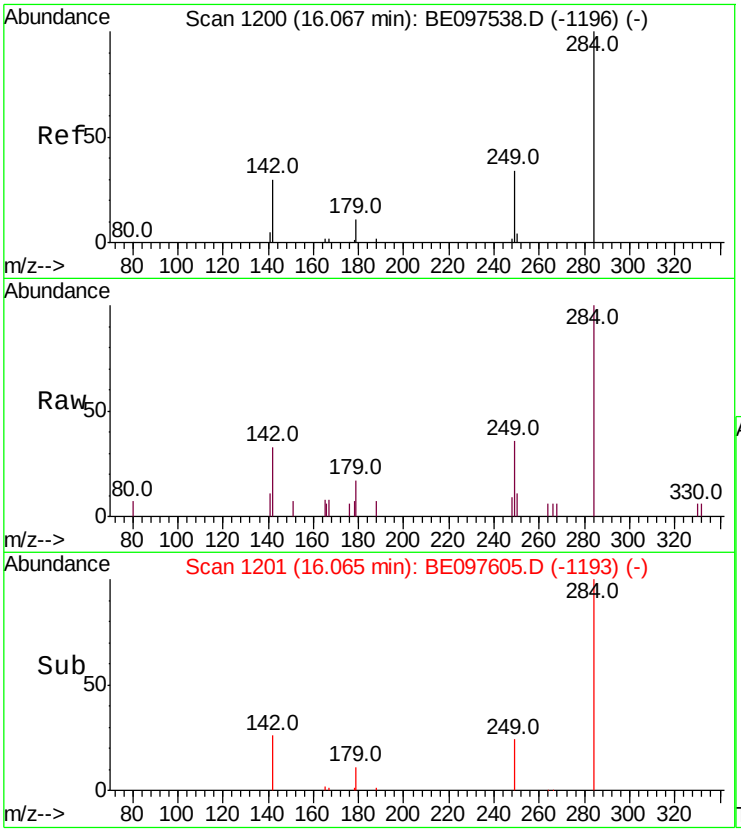


#20
4-Bromophenyl-phenylether
Concen: 0.393 ng
RT: 15.96 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:248 Resp: 955

Ion	Ratio	Lower	Upper
248	100		
250	93.8	62.7	94.1
141	61.3	48.2	72.2



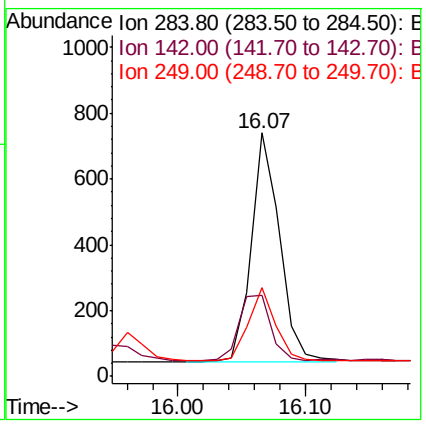


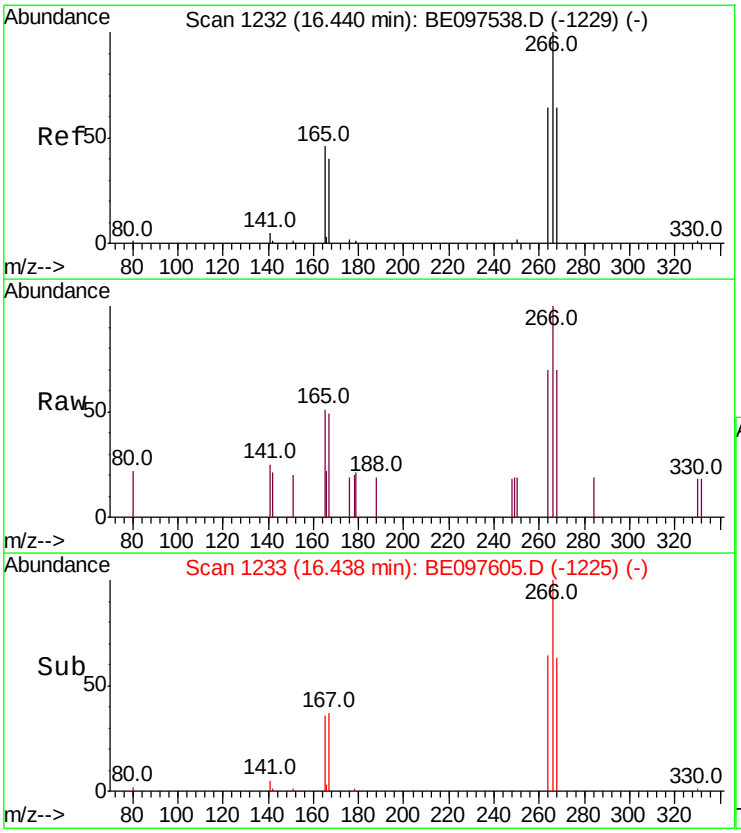
#21
Hexachlorobenzene
Concen: 0.402 ng
RT: 16.07 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 1076

Ion	Ratio	Lower	Upper
284	100		
142	31.9	22.1	33.1
249	30.6	34.8	52.2#

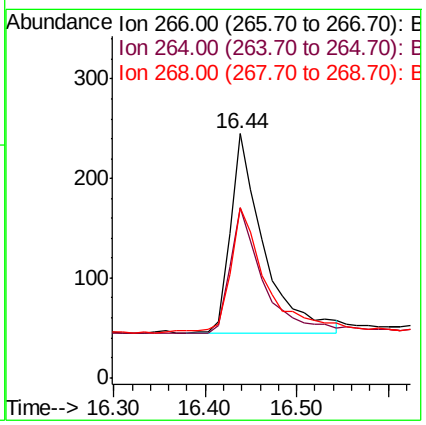


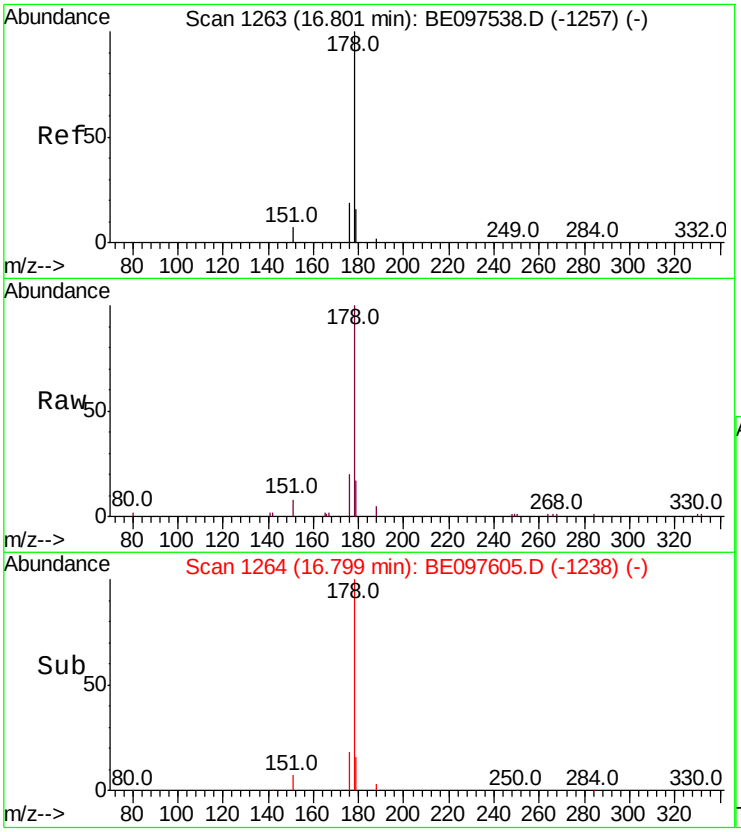


#22
Pentachlorophenol
Concen: 0.551 ng
RT: 16.44 min Scan# 1233
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:266 Resp: 505

Ion	Ratio	Lower	Upper
266	100		
264	69.8	72.5	108.7#
268	69.8	73.8	110.6#



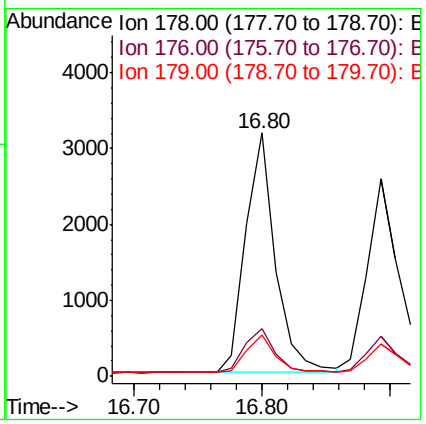


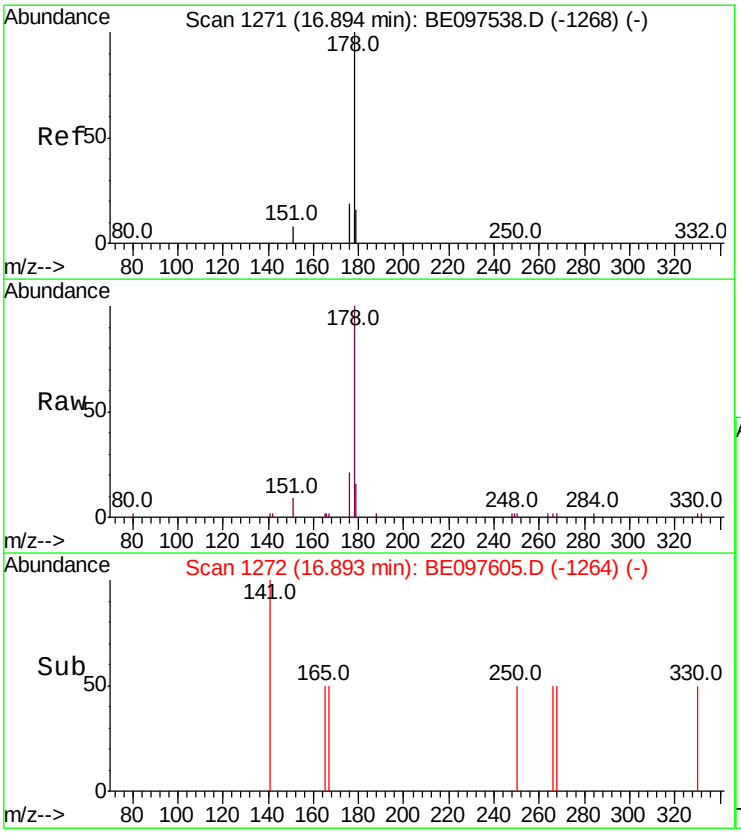
#23
Phenanthrene
Concen: 0.400 ng
RT: 16.80 min Scan# 1264
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 5130

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.1	22.7
179	16.2	11.8	17.6

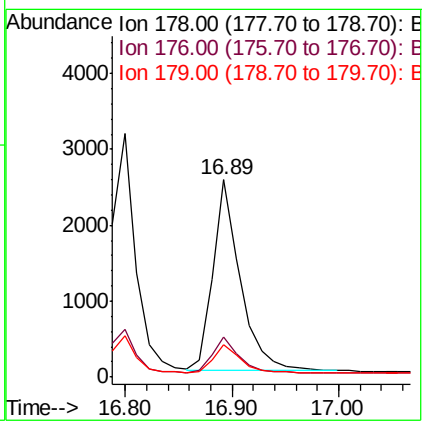


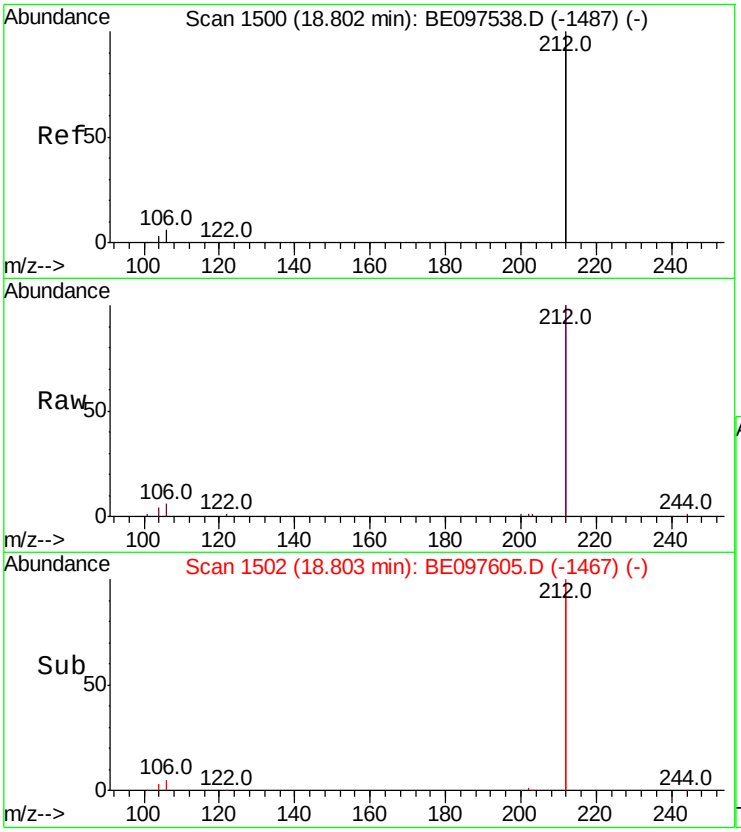


#24
Anthracene
Concen: 0.398 ng
RT: 16.89 min Scan# 1272
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:178 Resp: 4502

Ion	Ratio	Lower	Upper
178	100		
176	18.5	12.8	19.2
179	14.8	13.0	19.6



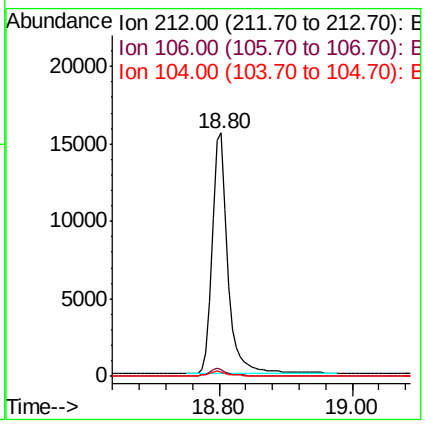


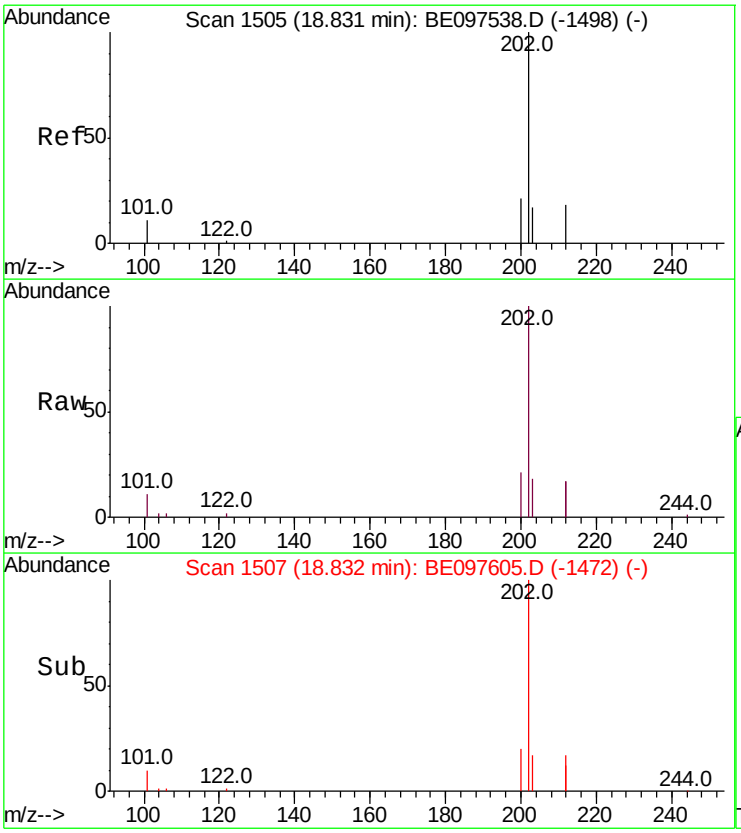
#25
Fluoranthene-d10
Concen: 0.363 ng
RT: 18.80 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 25073

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.7	1.6	2.4

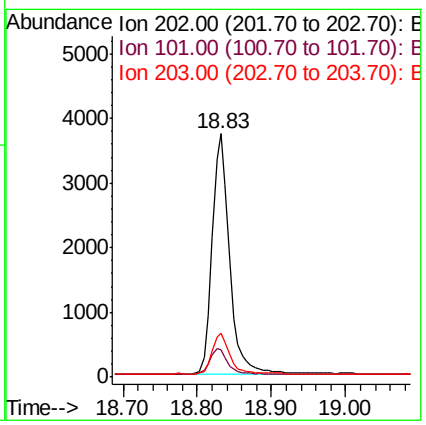


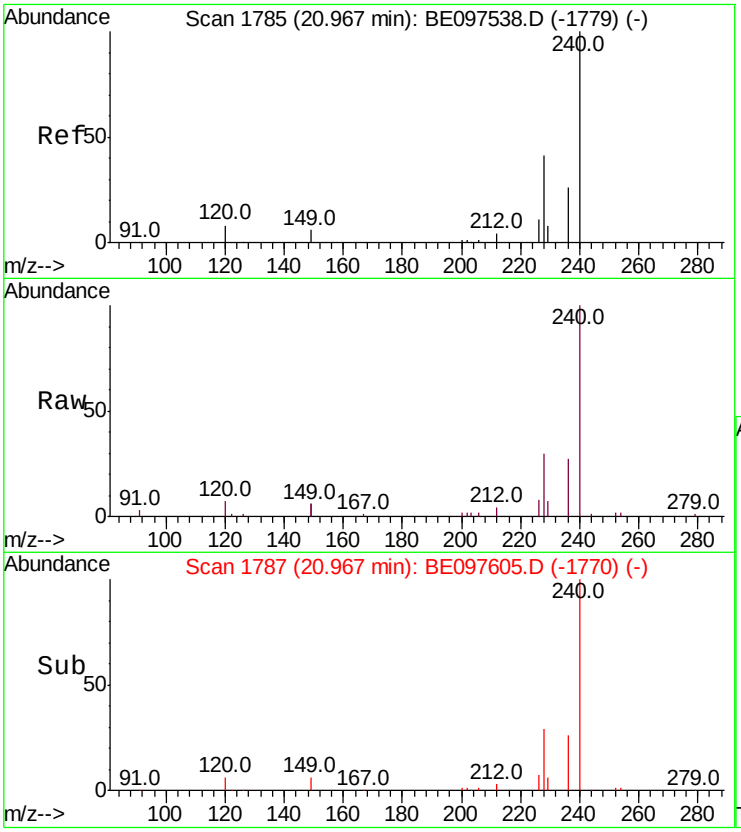


#26
Fluoranthene
Concen: 0.341 ng
RT: 18.83 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:202 Resp: 6055

Ion	Ratio	Lower	Upper
202	100		
101	11.1	9.8	14.8
203	16.9	13.7	20.5



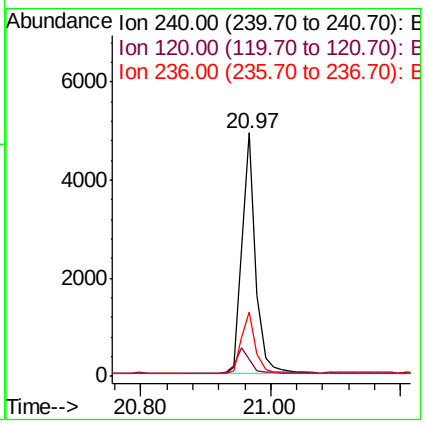


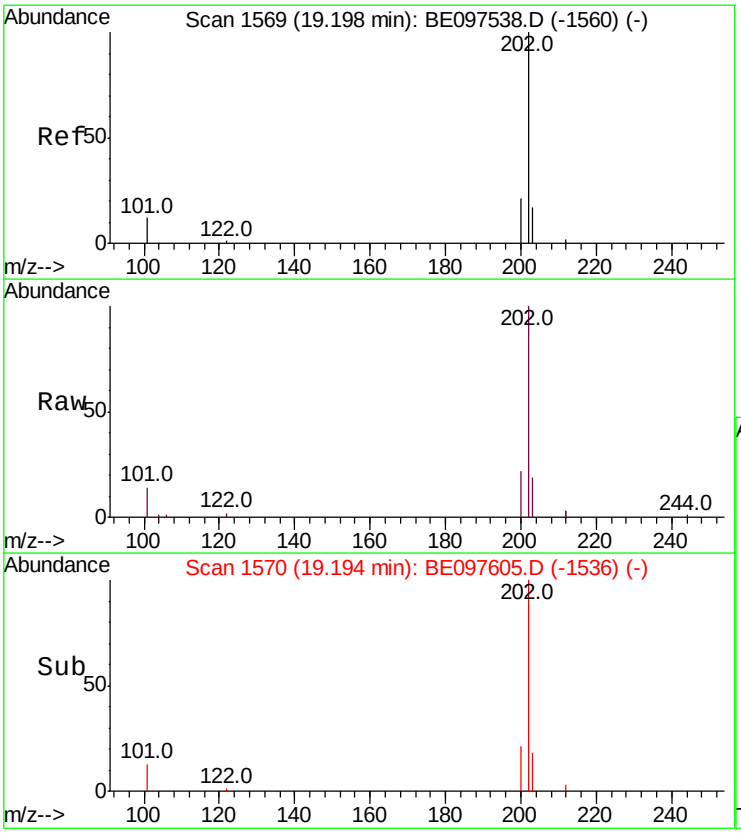
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1787
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 7228

Ion	Ratio	Lower	Upper
240	100		
120	6.9	5.5	8.3
236	26.7	20.7	31.1

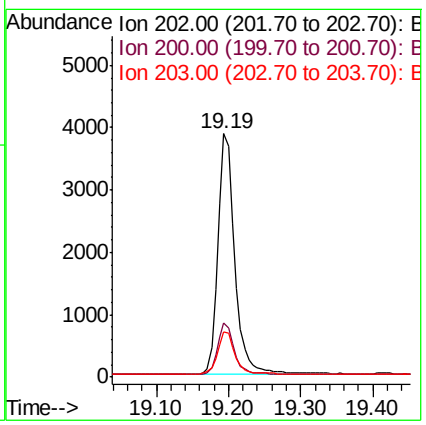


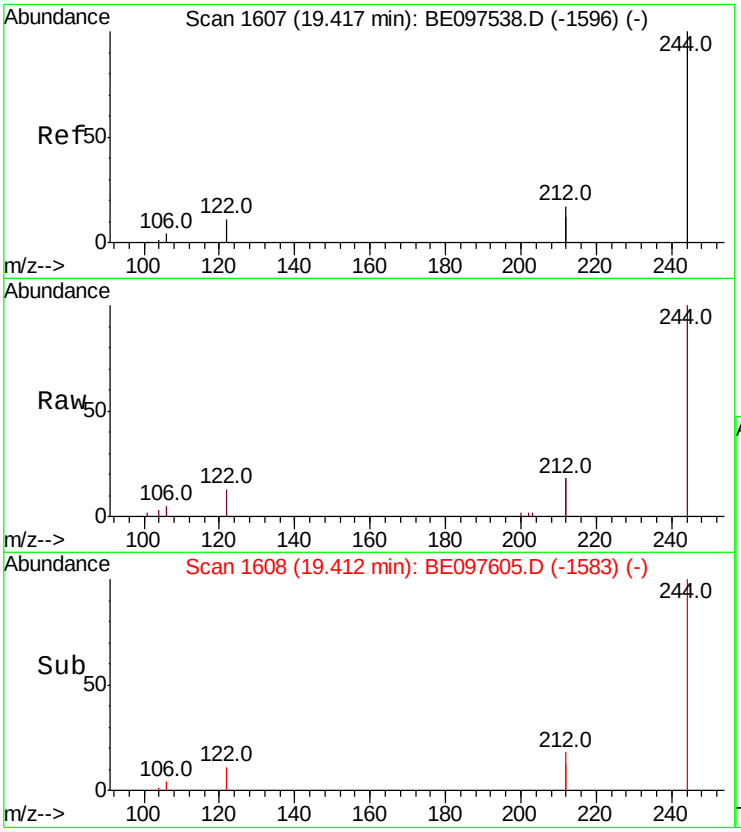


#28
Pyrene
Concen: 0.375 ng
RT: 19.19 min Scan# 1570
Delta R.T. -0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:202 Resp: 6174

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	25.0
203	18.1	13.8	20.8



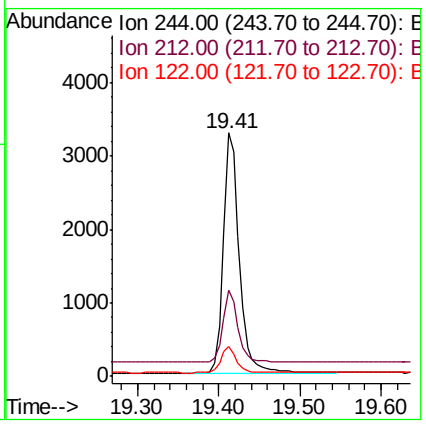


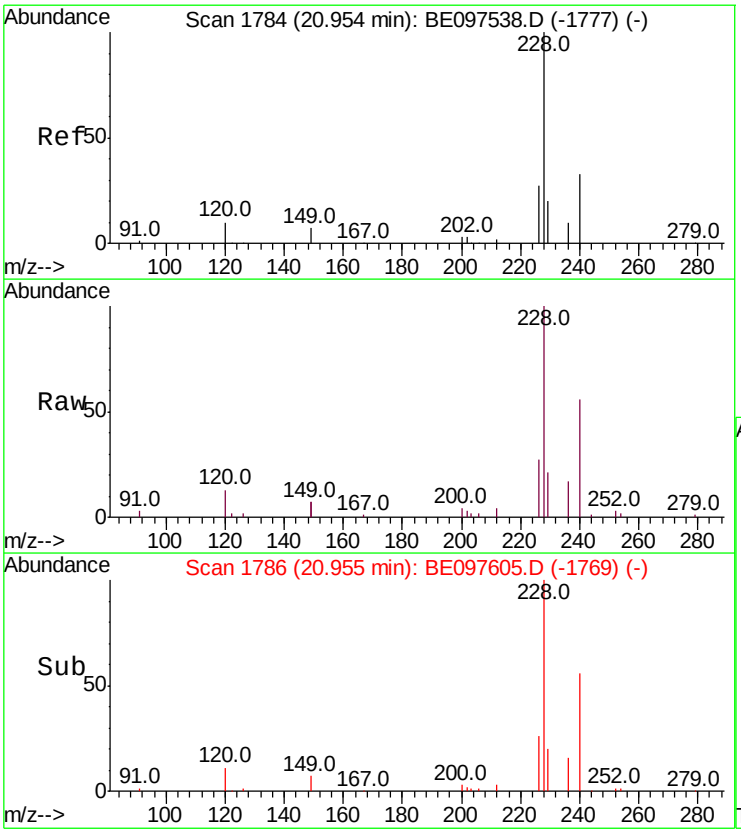
#29
Terphenyl-d14
Concen: 0.335 ng
RT: 19.41 min Scan# 1608
Delta R.T. -0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4428

Ion	Ratio	Lower	Upper
244	100		
212	35.2	25.4	38.0
122	12.5	8.1	12.1#

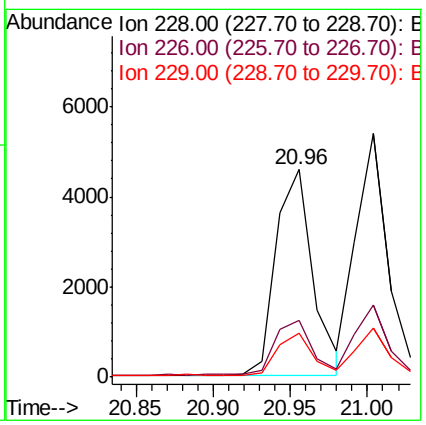


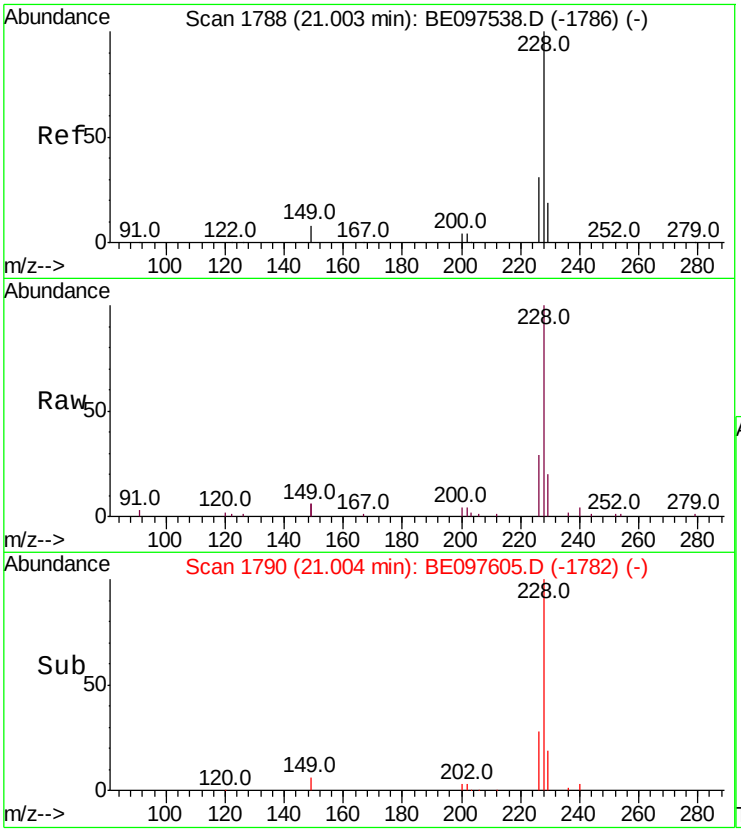


#30
Benzo(a)anthracene
Concen: 0.416 ng
RT: 20.96 min Scan# 1786
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:228 Resp: 7564

Ion	Ratio	Lower	Upper
228	100		
226	27.1	24.0	36.0
229	20.9	16.0	24.0



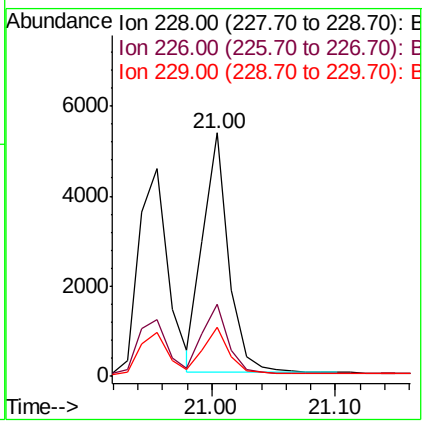


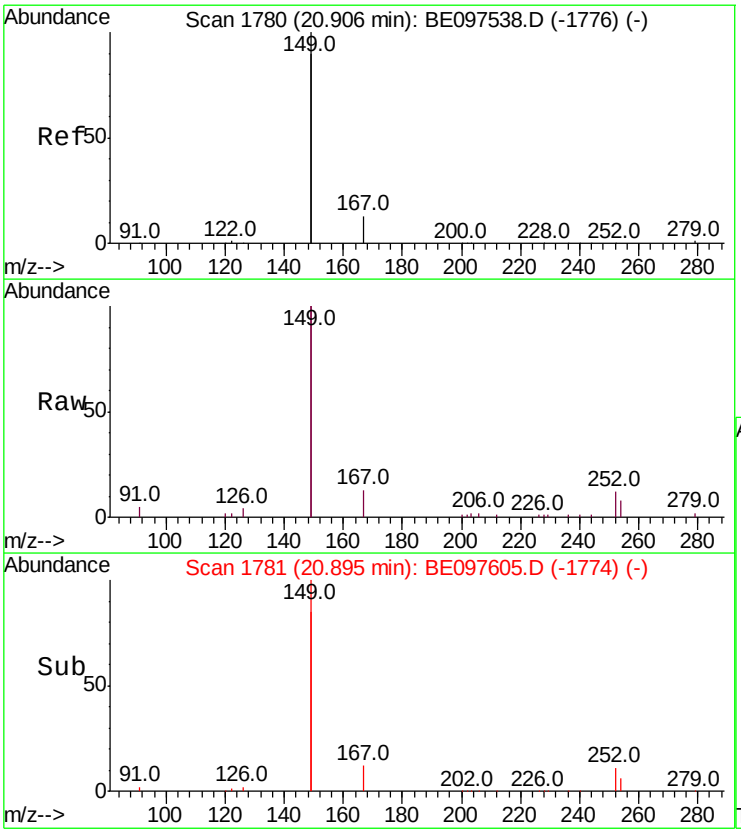
#31
Chrysene
Concen: 0.397 ng
RT: 21.00 min Scan# 1790
Delta R.T. 0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 7749

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.0	36.0
229	20.1	16.0	24.0

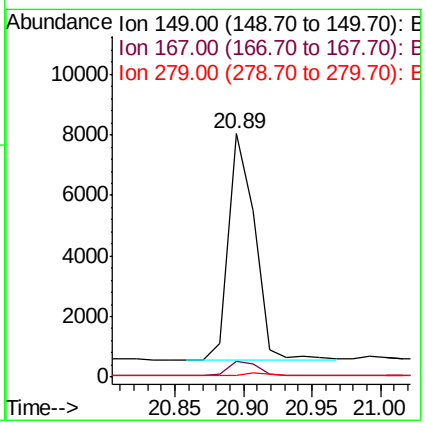


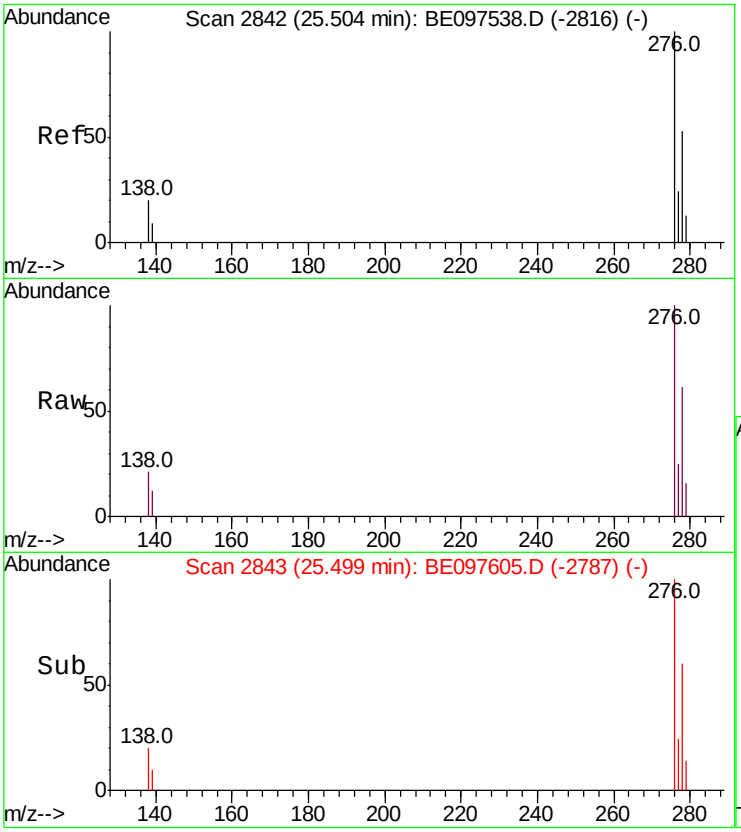


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.335 ng
RT: 20.89 min Scan# 1781
Delta R.T. -0.01 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:149 Resp: 9932

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.4	8.0
279	1.0	0.7	1.1



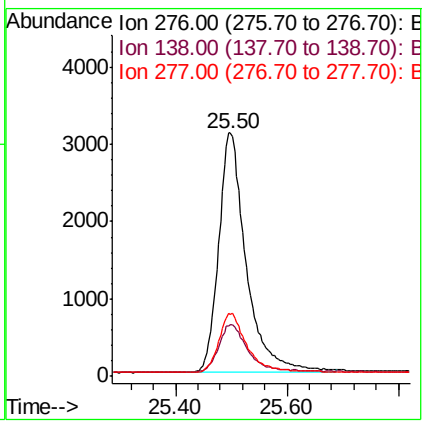


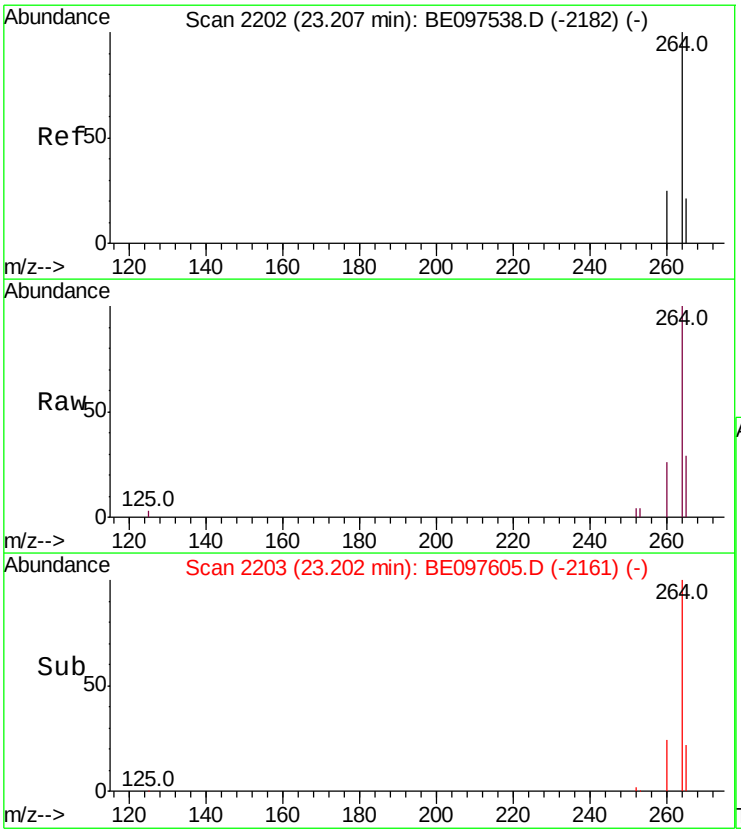
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.455 ng
RT: 25.50 min Scan# 2843
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 10690

Ion	Ratio	Lower	Upper
276	100		
138	20.8	22.5	33.7#
277	24.9	19.9	29.9

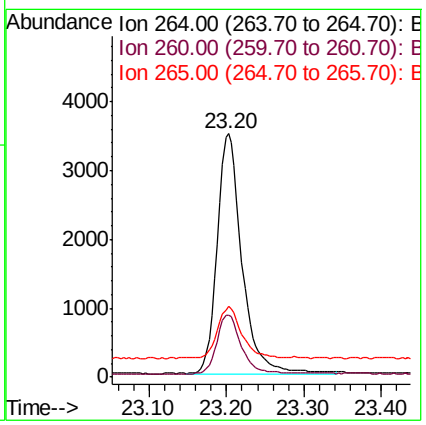


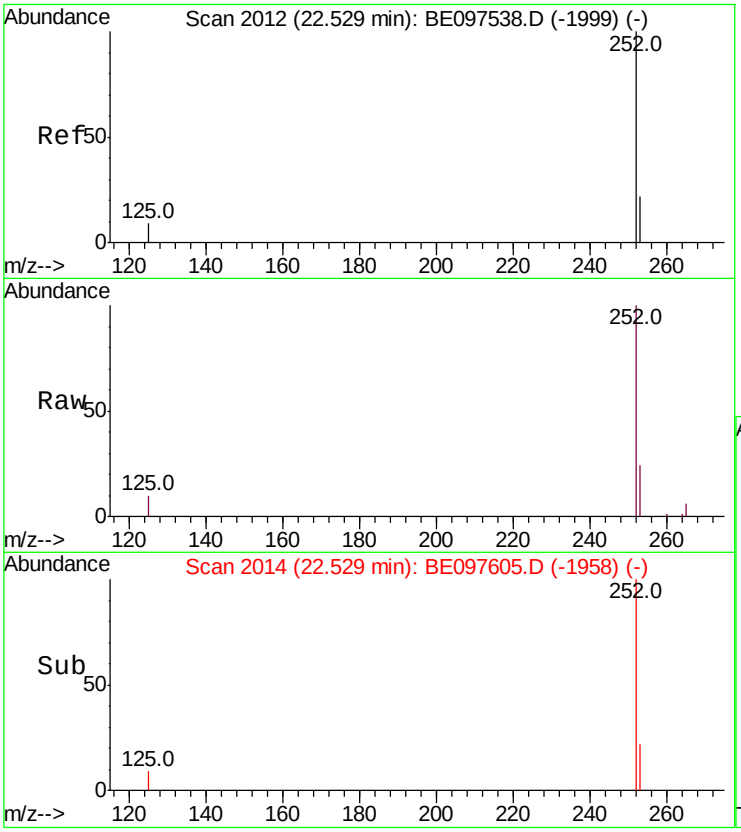


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2203
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:264 Resp: 7766

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.5	30.7
265	29.2	22.8	34.2



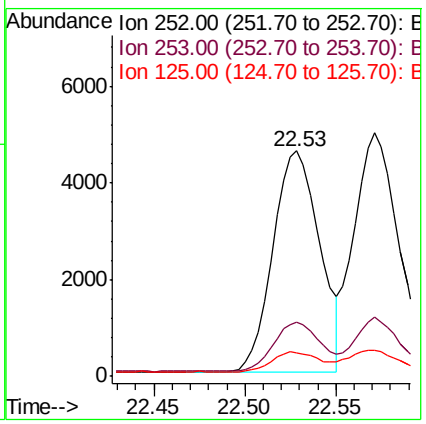


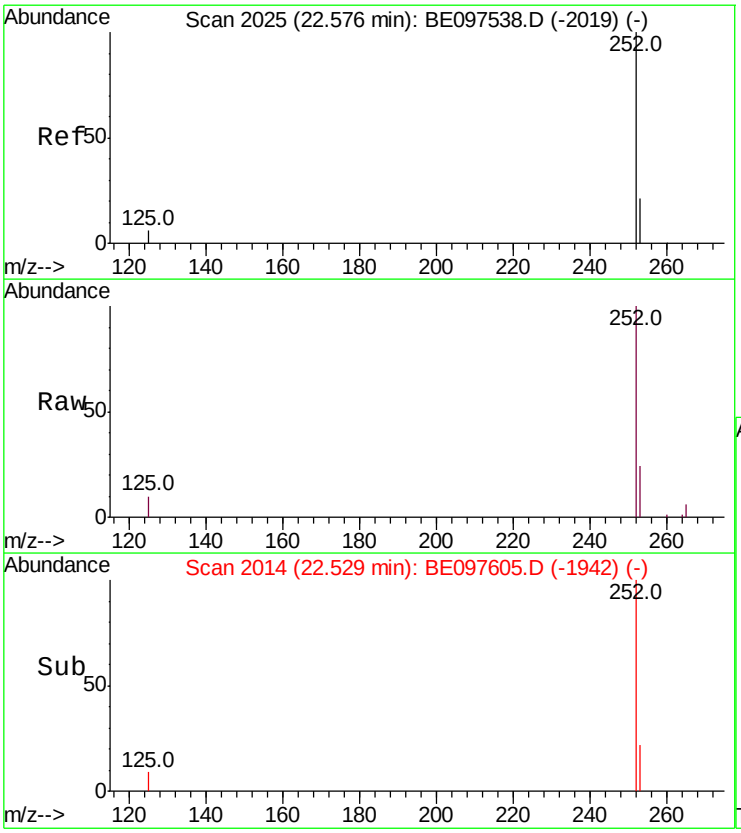
#35
Benzo(b)fluoranthene
Concen: 0.409 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8153

Ion	Ratio	Lower	Upper
252	100		
253	23.8	20.0	30.0
125	10.4	16.0	24.0#

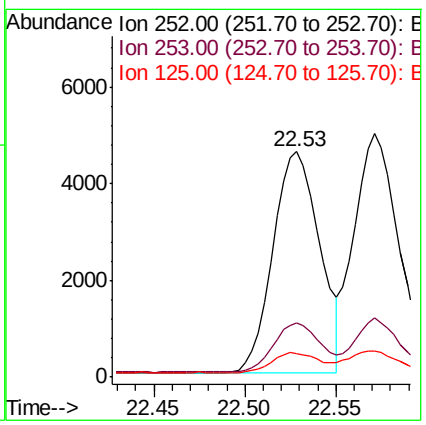


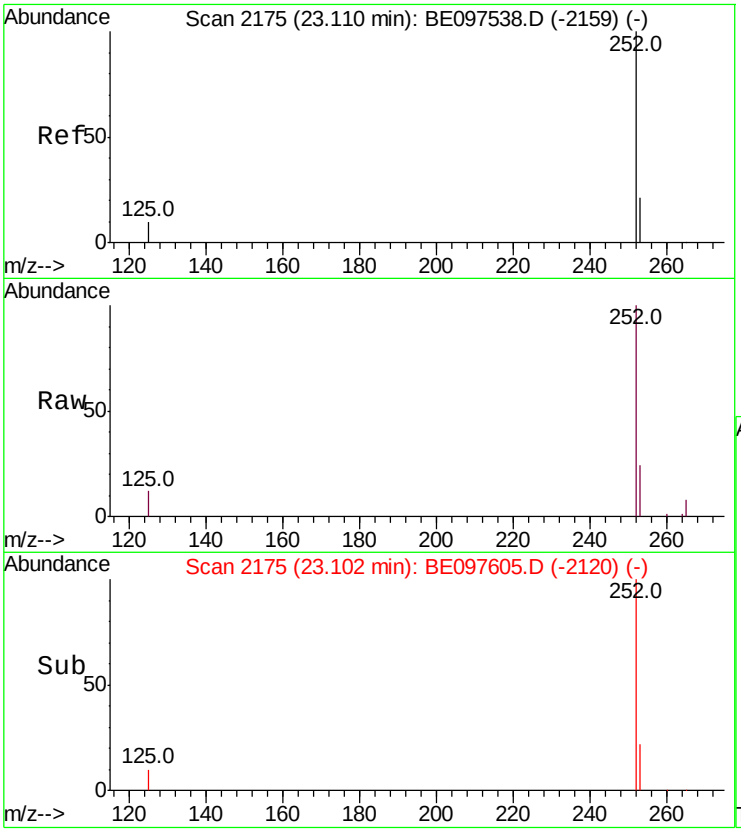


#36
Benzo(k)fluoranthene
Concen: 0.359 ng
RT: 22.53 min Scan# 2014
Delta R.T. -0.04 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:252 Resp: 8153

Ion	Ratio	Lower	Upper
252	100		
253	23.8	16.0	24.0
125	10.4	8.0	12.0



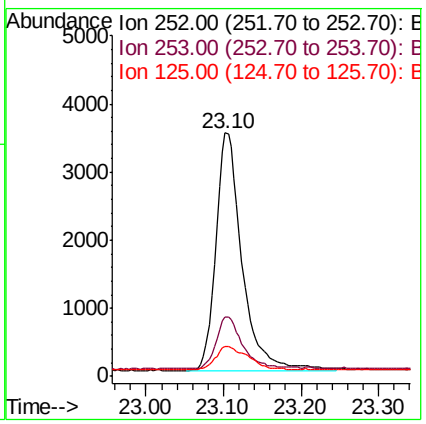


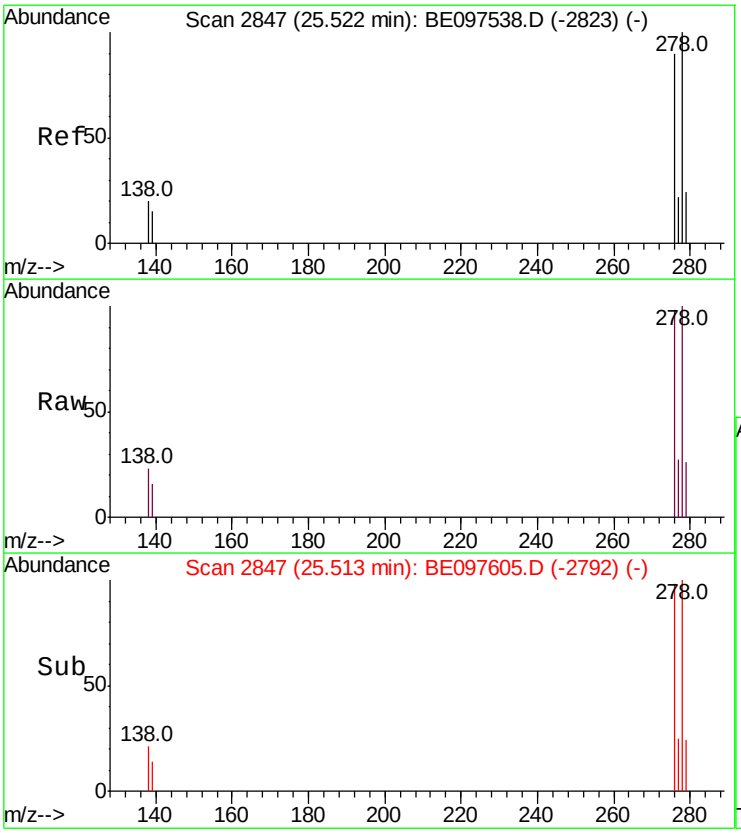
#37
Benzo(a)pyrene
Concen: 0.425 ng
RT: 23.10 min Scan# 2175
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 8229

Ion	Ratio	Lower	Upper
252	100		
253	24.4	16.0	24.0#
125	12.2	12.0	18.0

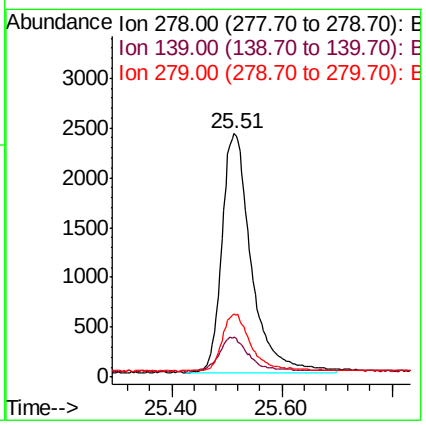


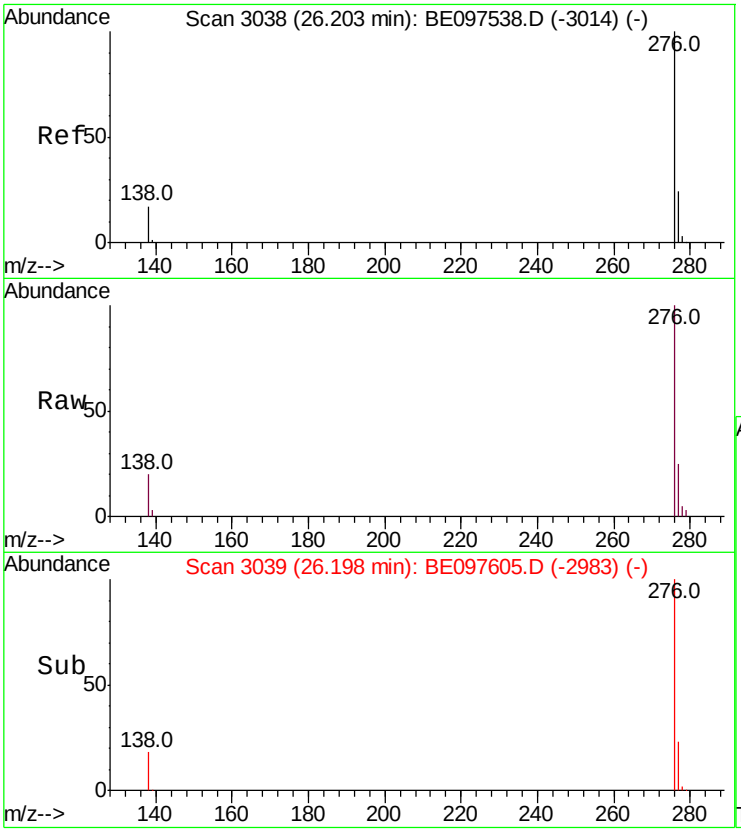


#38
Dibenzo(a,h)anthracene
Concen: 0.423 ng
RT: 25.51 min Scan# 2847
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Tgt Ion:278 Resp: 8839

Ion	Ratio	Lower	Upper
278	100		
139	16.3	16.0	24.0
279	26.0	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.438 ng
RT: 26.20 min Scan# 3039
Delta R.T. -0.00 min
Lab File: BE097605.D
Acq: 21 Sep 2018 11:04

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 8883

Ion	Ratio	Lower	Upper
276	100		
277	24.7	16.0	24.0#
138	20.0	20.0	30.0