Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
Data File : BE097613.D
Acq On : 21 Sep 2018 16:02
Operator : SJ/JU
Sample : PB112956BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB112956BS

Quant Time: Sep 22 04:08:02 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	1071	0.40	ng		0.00
7) Naphthalene-d8	10.12	136	4578	0.40	ng		-0.01
13) Acenaphthene-d10	14.00	164	2245	0.40	ng		0.00
19) Phenanthrene-d10	16.75	188	5274	0.40	ng		0.00
27) Chrysene-d12	20.97	240	7262	0.40	ng		0.00
34) Perylene-d12	23.20	264	7597	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.06	112	1230	0.38	ng		0.01
5) Phenol-d6	6.62	99	1364	0.33	ng		0.01
8) Nitrobenzene-d5	8.53	82	1330	0.38	ng		0.00
11) 2-Methylnaphthalene-d10	11.72	152	3342	0.53	ng		0.00
14) 2,4,6-Tribromophenol	15.53	330	215	0.29	ng		0.01
15) 2-Fluorobiphenyl	12.62	172	3692	0.47	ng		0.00
25) Fluoranthene-d10	18.80	212	25292	0.37	ng		0.00
29) Terphenyl-d14	19.42	244	4551	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.09	88	589	0.313	ng	#	74
3) n-Nitrosodimethylamine	3.38	42	552	0.357	ng	#	86
6) bis(2-Chloroethyl)ether	6.82	93	1267	0.333	ng		82
9) Naphthalene	10.17	128	16947	0.411	ng		99
10) Hexachlorobutadiene	10.46	225	712	0.375	ng		96
12) 2-Methylnaphthalene	11.80	142	2507	0.390	ng		100
16) Acenaphthylene	13.71	152	3385	0.381	ng		99
17) Acenaphthene	14.06	154	2298	0.386	ng		95
18) Fluorene	15.06	166	2921	0.377	ng	#	79
20) 4-Bromophenyl-phenylether	15.96	248	901	0.379	ng	#	80
21) Hexachlorobenzene	16.07	284	1071	0.410	ng	#	84
22) Pentachlorophenol	16.45	266	347	0.426	ng	#	81
23) Phenanthrene	16.80	178	4924	0.393	ng		98
24) Anthracene	16.89	178	4246	0.384	ng		96
26) Fluoranthene	18.83	202	6129	0.353	ng		98
28) Pyrene	19.20	202	6229	0.377	ng		99
30) Benzo(a)anthracene	20.96	228	7214	0.395	ng		96
31) Chrysene	21.00	228	8067	0.411	ng		100
32) Bis(2-ethylhexyl)phthalate	20.89	149	8088	0.274	ng	#	99
33) Indeno(1,2,3-cd)pyrene	25.50	276	10438	0.442	ng	#	93
35) Benzo(b)fluoranthene	22.53	252	7931	0.407	ng	#	89
36) Benzo(k)fluoranthene	22.57	252	9161	0.412	ng		94
37) Benzo(a)pyrene	23.11	252	8053	0.425	ng	#	91
38) Dibenzo(a,h)anthracene	25.52	278	8618	0.422	ng	#	94
39) Benzo(g,h,i)perylene	26.21	276	8603	0.433	ng	#	90

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092118\
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Acq On : 21 Sep 2018 16:02
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Misc :
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Instrument :
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Quant Time: Sep 22 04:08:02 2018
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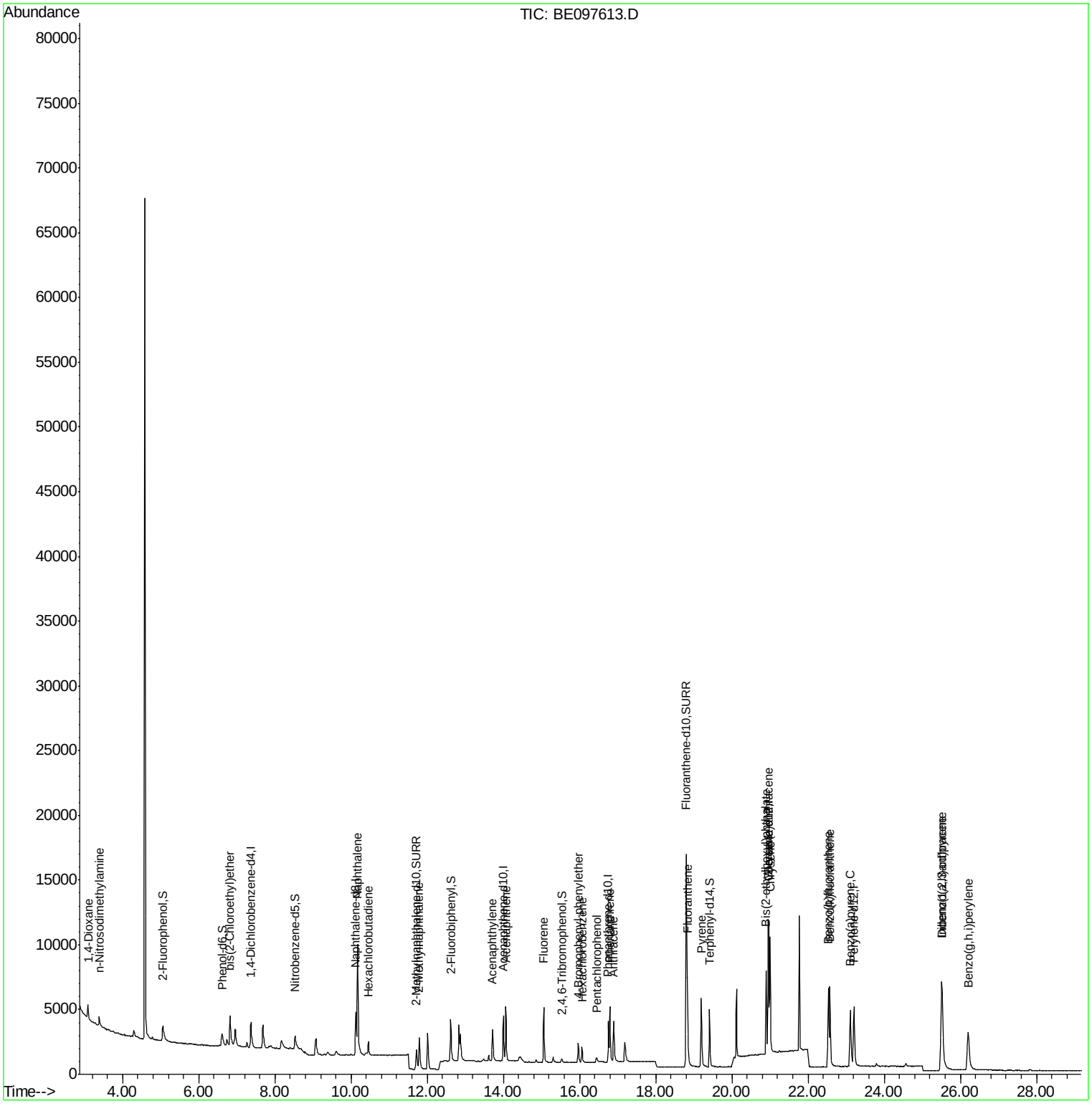
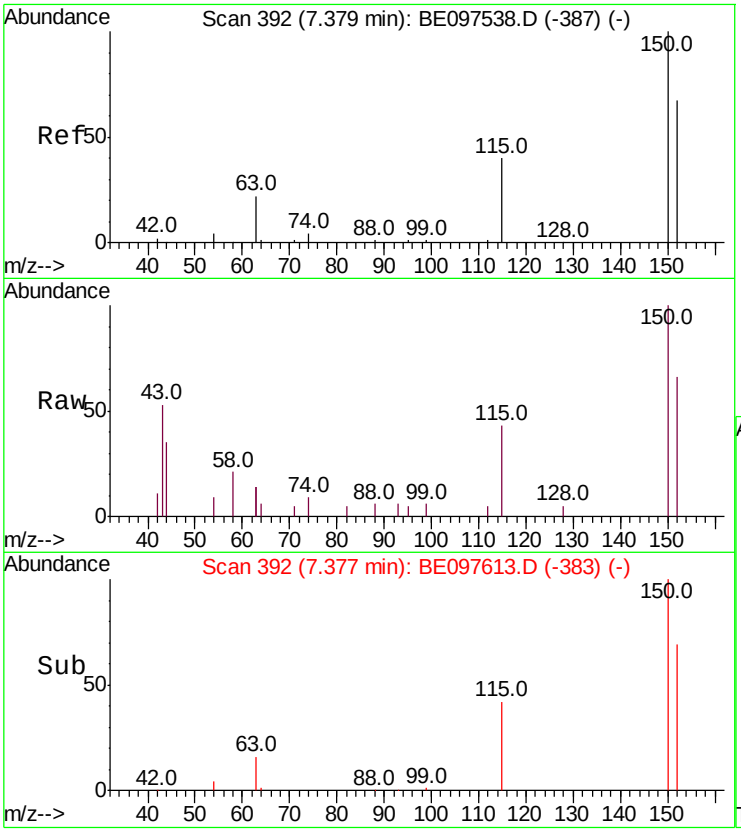
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Sep 20 10:54:43 2018
Response via : Initial Calibration



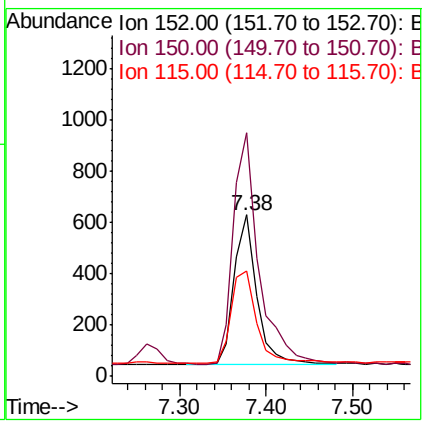


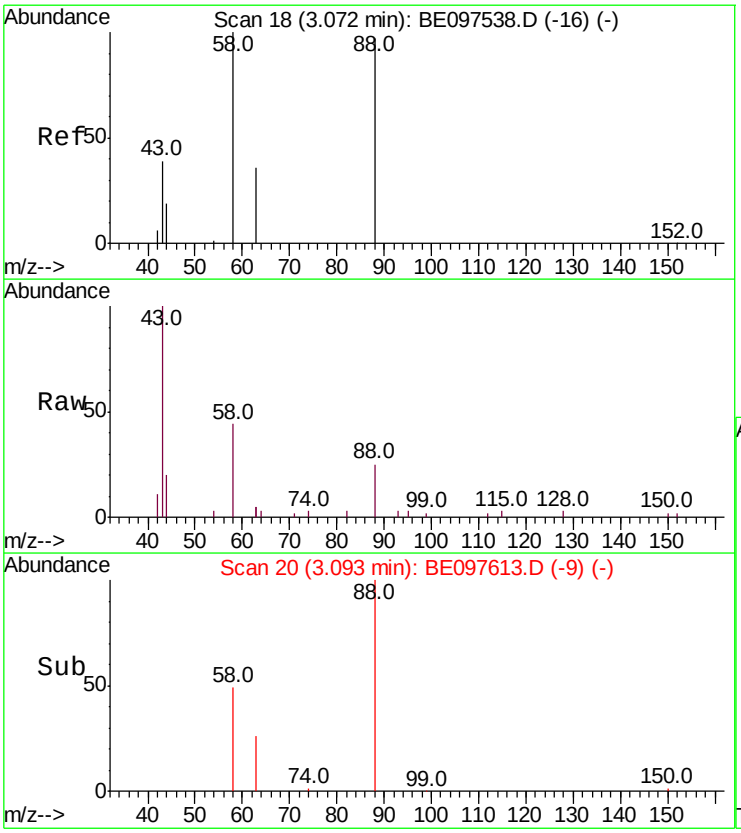
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.38 min Scan# 392
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:152 Resp: 1071

Ion	Ratio	Lower	Upper
152	100		
150	150.9	117.2	175.8
115	65.0	57.0	85.6

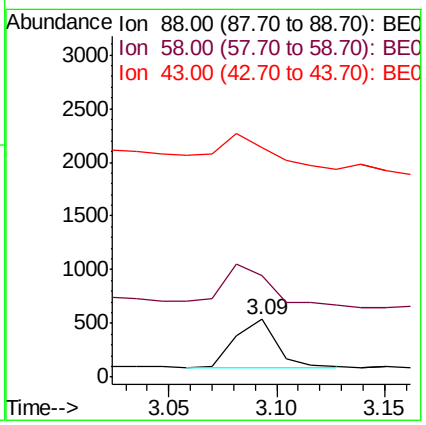


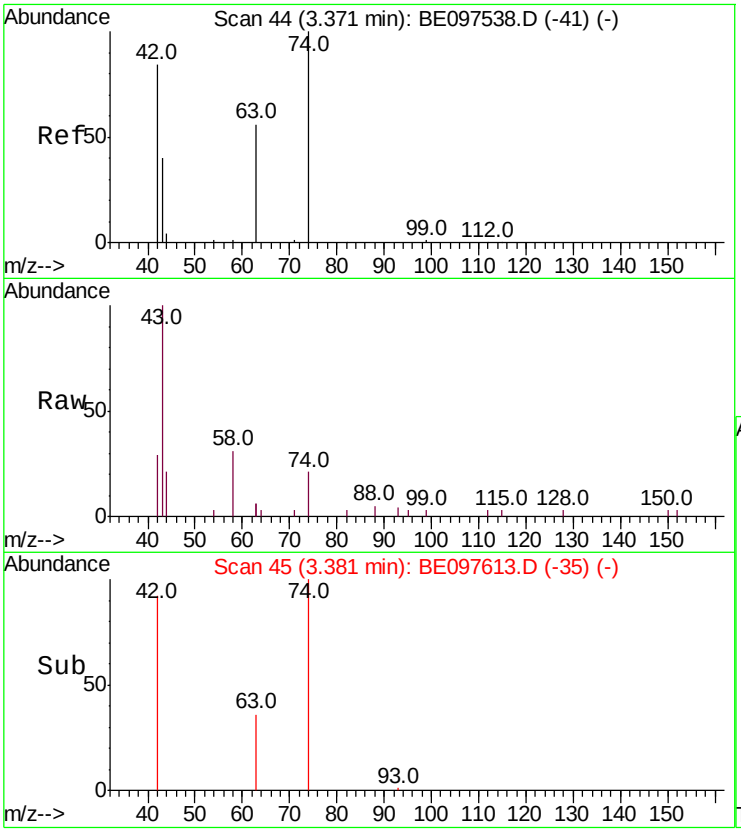


#2
1,4-Dioxane
Concen: 0.313 ng
RT: 3.09 min Scan# 20
Delta R.T. 0.02 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion: 88 Resp: 589

Ion	Ratio	Lower	Upper
88	100		
58	85.6	63.2	94.8
43	89.8	41.2	61.8#



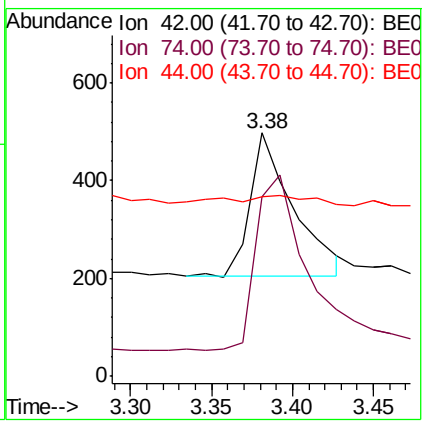


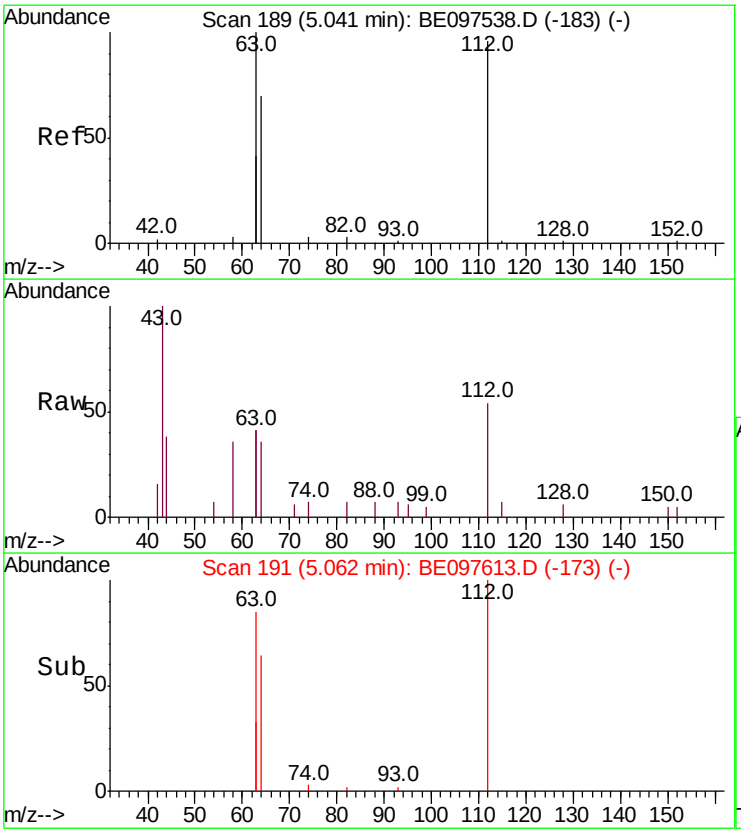
#3
n-Nitrosodimethylamine
Concen: 0.357 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion: 42 Resp: 552

Ion	Ratio	Lower	Upper
42	100		
74	136.8	96.0	144.0
44	11.8	12.0	18.0#

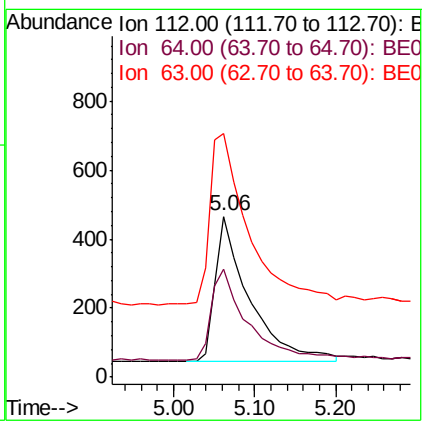


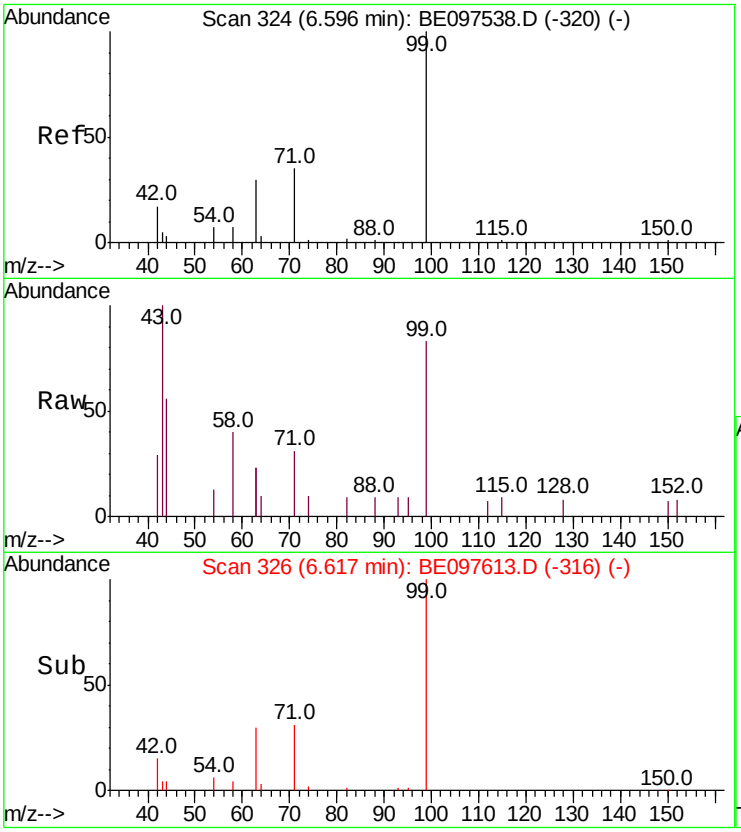


#4
2-Fluorophenol
Concen: 0.383 ng
RT: 5.06 min Scan# 191
Delta R.T. 0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:112 Resp: 1230

Ion	Ratio	Lower	Upper
112	100		
64	66.9	60.1	90.1
63	137.7	116.8	175.2



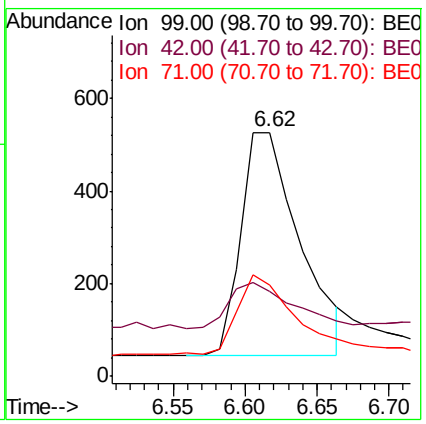


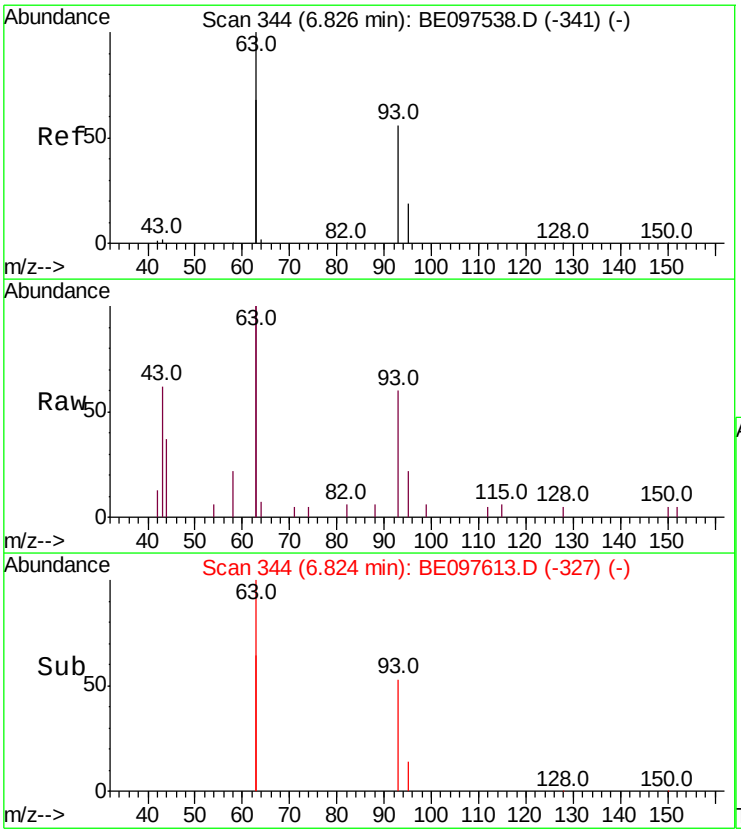
#5
Phenol-d6
Concen: 0.332 ng
RT: 6.62 min Scan# 326
Delta R.T. 0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion: 99 Resp: 1364

Ion	Ratio	Lower	Upper
99	100		
42	21.6	20.2	30.2
71	34.5	28.4	42.6

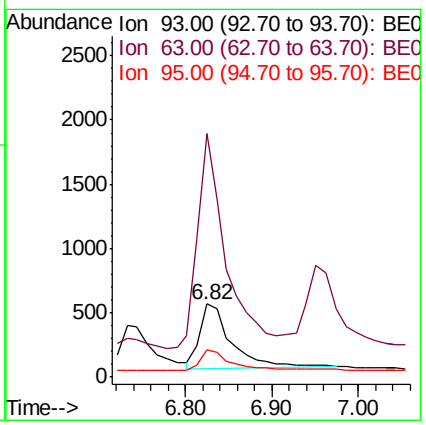


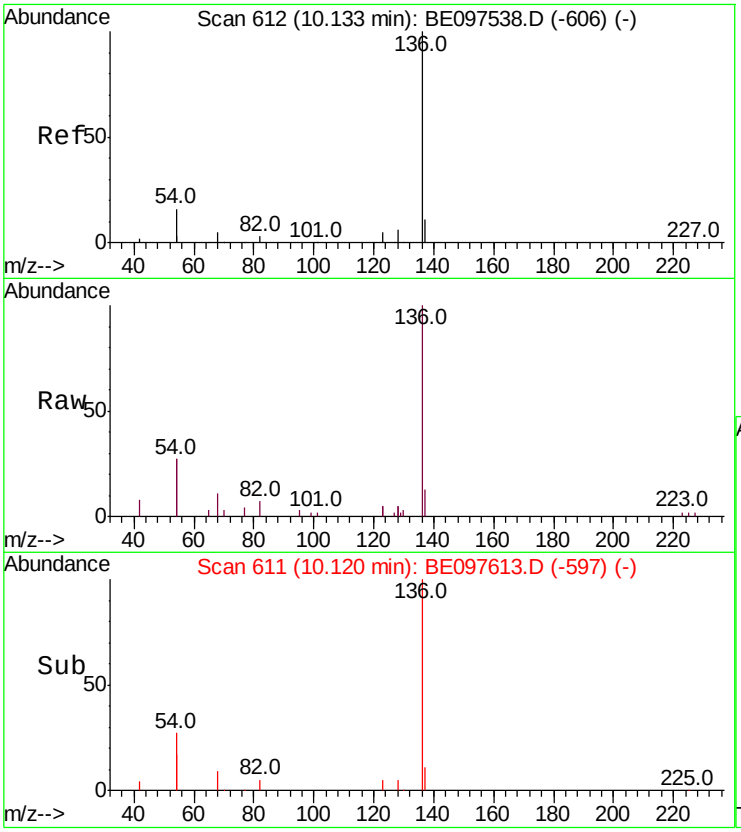


#6
bis(2-Chloroethyl)ether
Concen: 0.333 ng
RT: 6.82 min Scan# 344
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion: 93 Resp: 1267

Ion	Ratio	Lower	Upper
93	100		
63	301.5	275.3	412.9
95	33.5	25.2	37.8



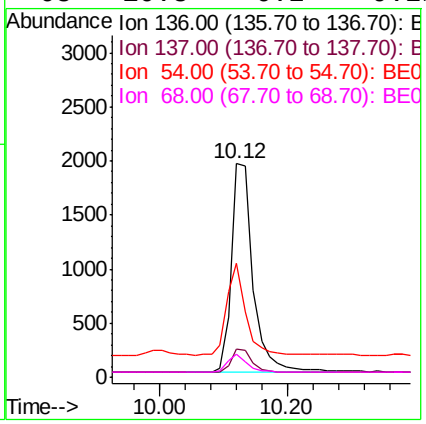


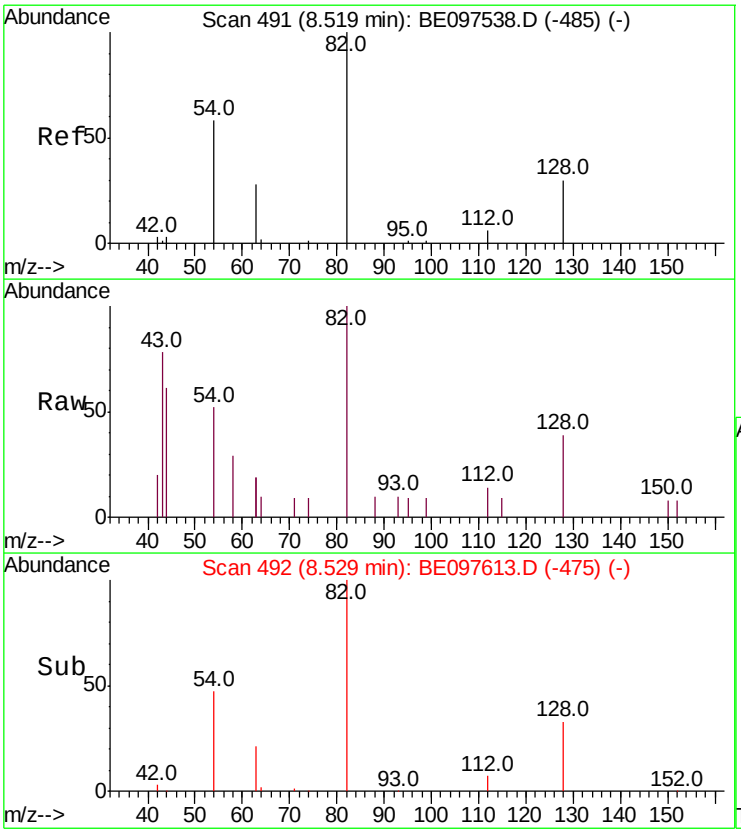
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.12 min Scan# 611
Delta R.T. -0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:136 Resp: 4578

Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.5	14.3
54	53.5	29.1	43.7#
68	10.8	6.2	9.2#

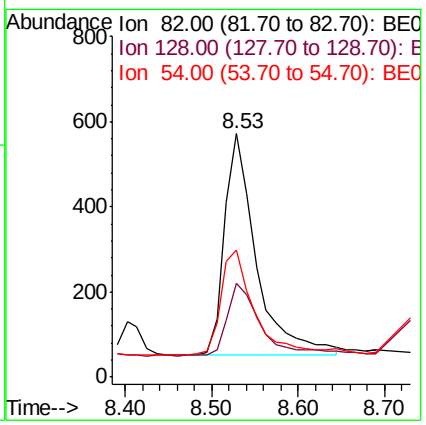


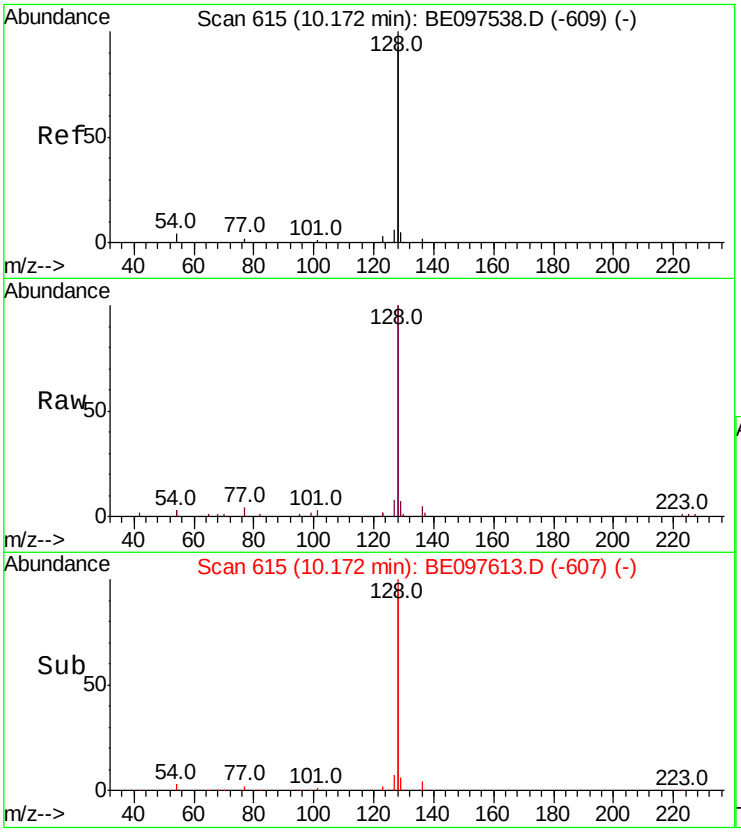


#8
Nitrobenzene-d5
Concen: 0.376 ng
RT: 8.53 min Scan# 492
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion: 82 Resp: 1330

Ion	Ratio	Lower	Upper
82	100		
128	38.8	24.0	36.0#
54	52.4	40.0	60.0



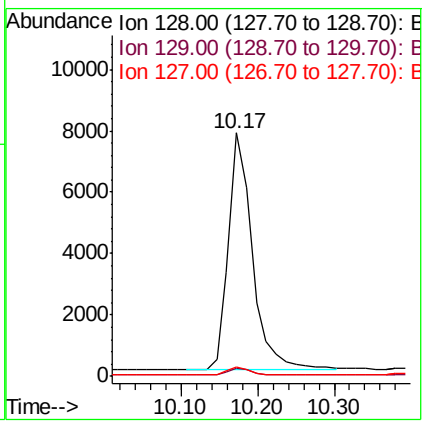


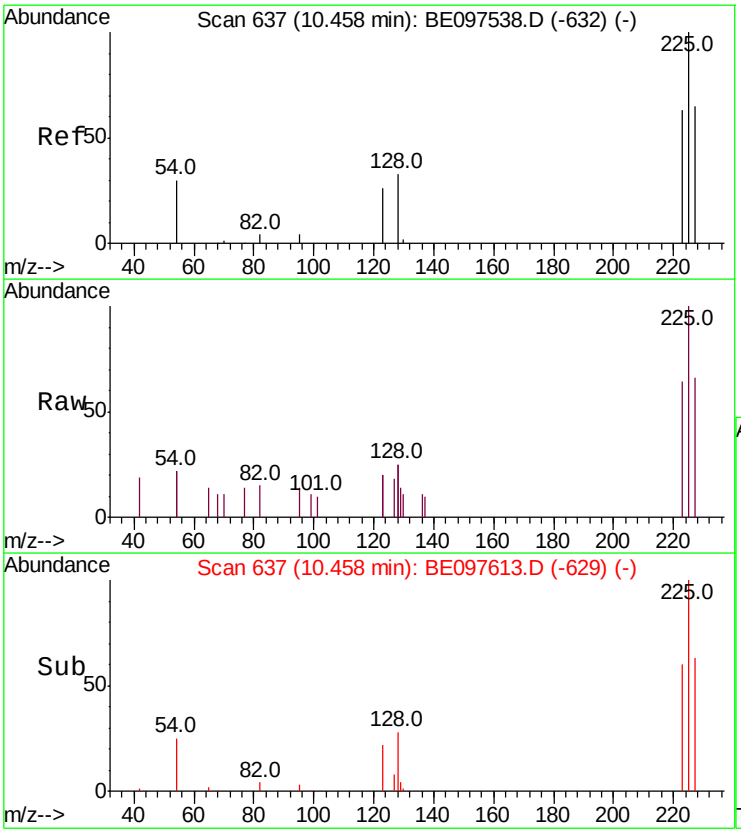
#9
Naphthalene
Concen: 0.411 ng
RT: 10.17 min Scan# 615
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:128 Resp: 16947

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.6	3.8
127	3.9	2.8	4.2

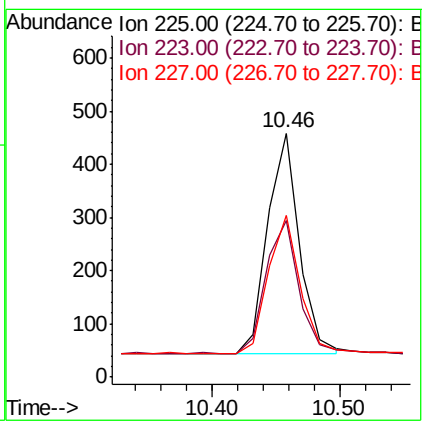


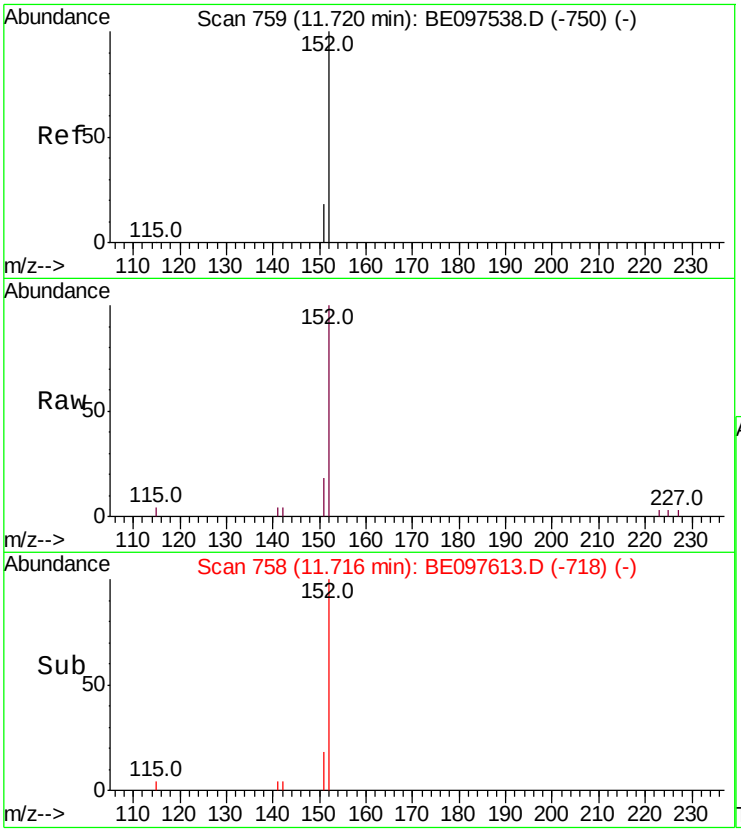


#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 10.46 min Scan# 637
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:225 Resp: 712

Ion	Ratio	Lower	Upper
225	100		
223	62.1	53.0	79.6
227	62.2	51.4	77.2



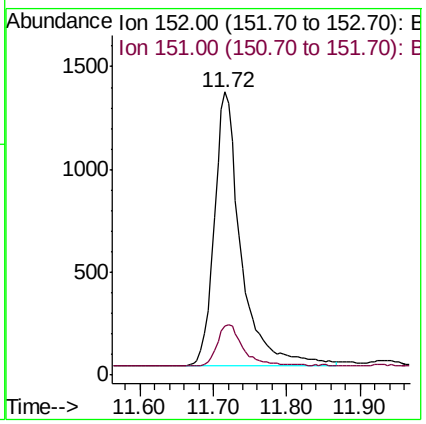


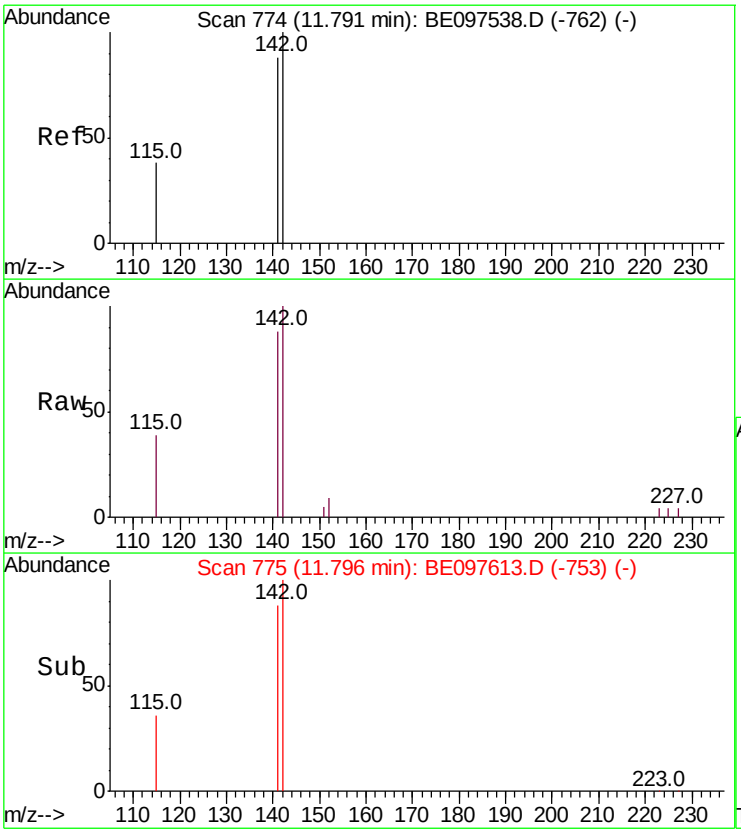
#11
2-Methylnaphthalene-d10
Concen: 0.530 ng
RT: 11.72 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:152 Resp: 3342

Ion	Ratio	Lower	Upper
152	100		
151	14.2	15.4	23.0#

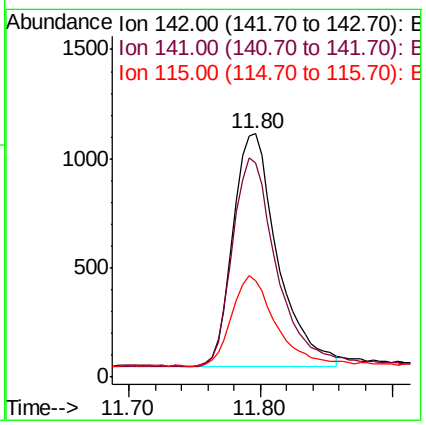


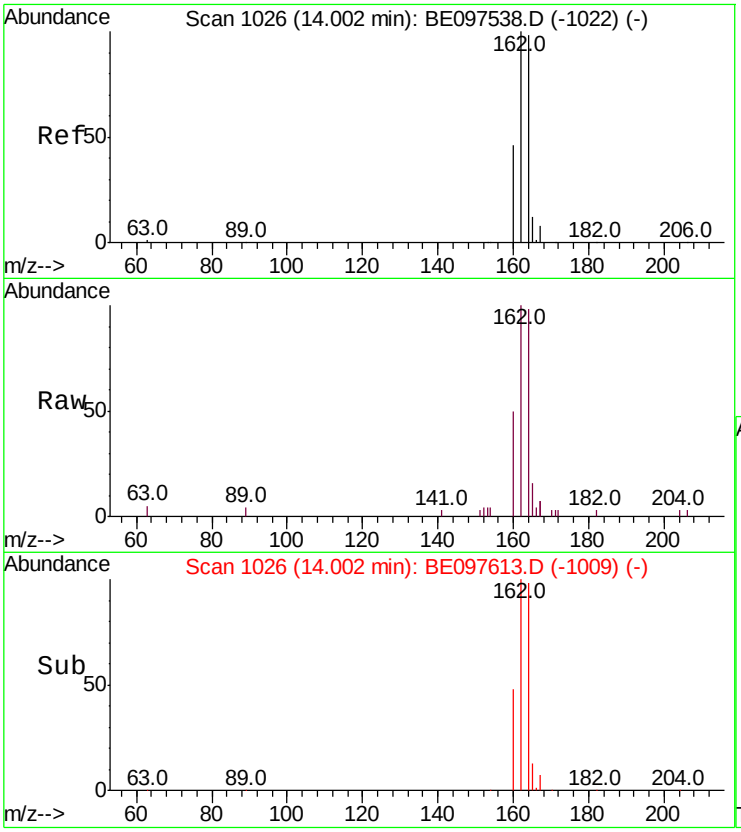


#12
2-Methylnaphthalene
Concen: 0.390 ng
RT: 11.80 min Scan# 775
Delta R.T. 0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:142 Resp: 2507

Ion	Ratio	Lower	Upper
142	100		
141	88.1	70.4	105.6
115	39.4	31.7	47.5



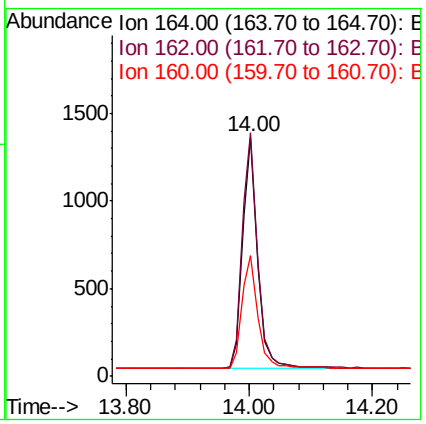


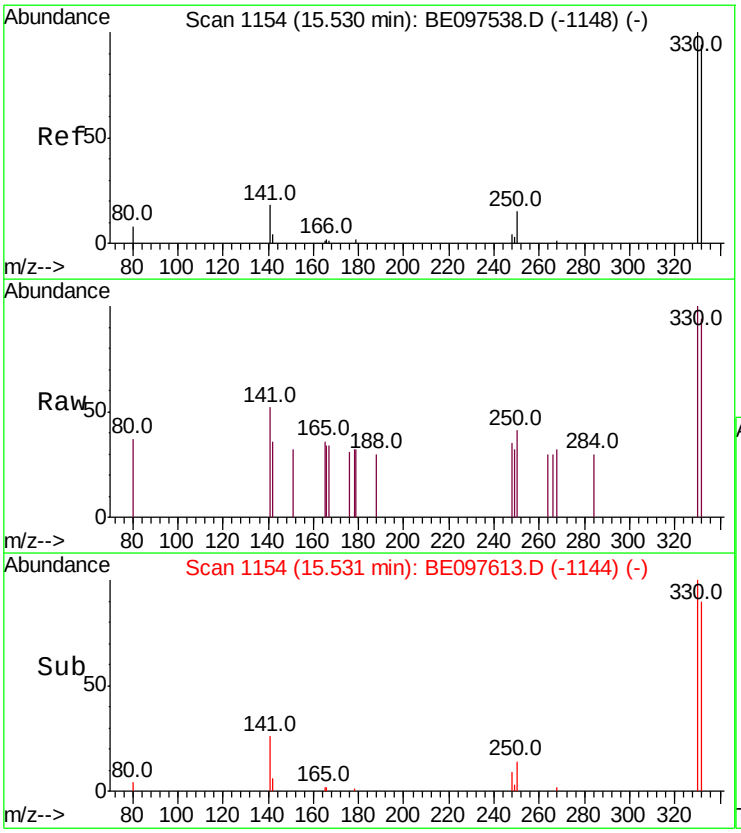
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.00 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:164 Resp: 2245

Ion	Ratio	Lower	Upper
164	100		
162	101.9	83.1	124.7
160	50.8	37.1	55.7

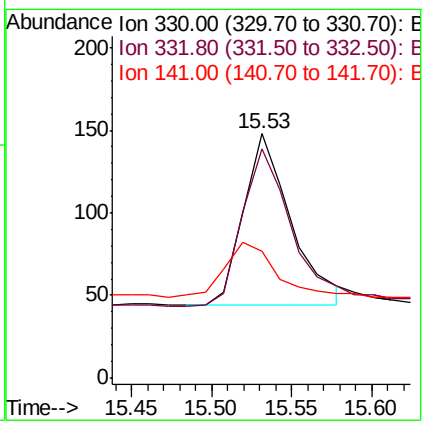


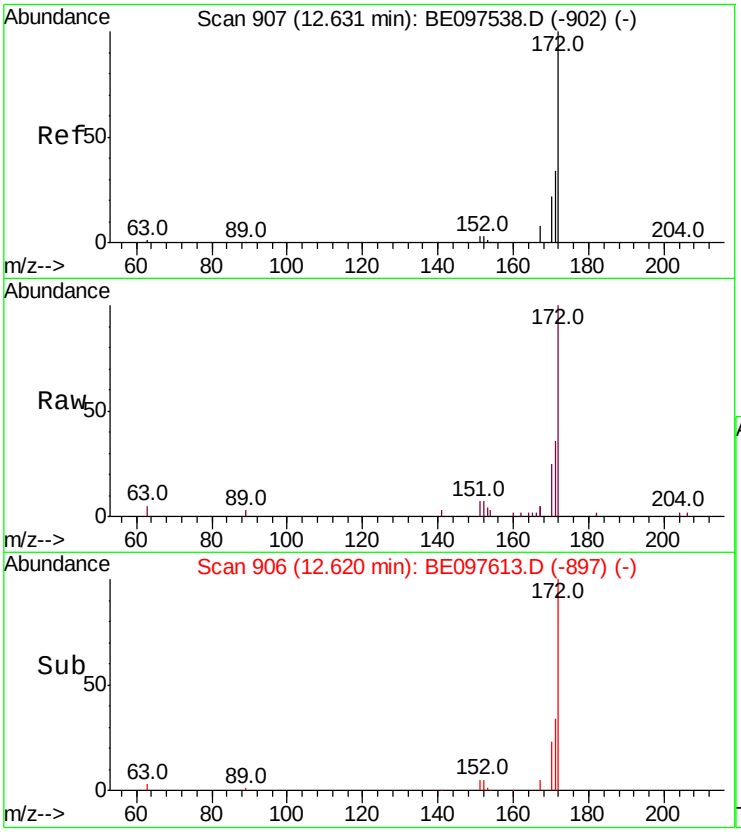


#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.53 min Scan# 1154
Delta R.T. 0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:330 Resp: 215

Ion	Ratio	Lower	Upper
330	100		
332	96.7	152.7	229.1#
141	34.0	33.7	50.5



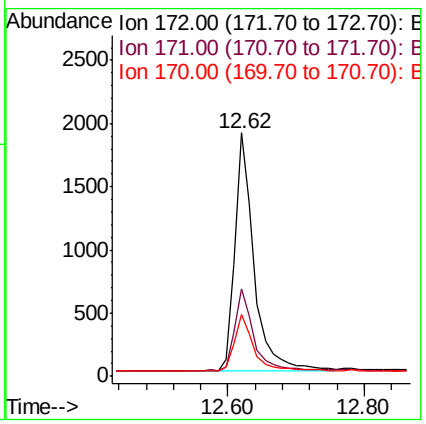


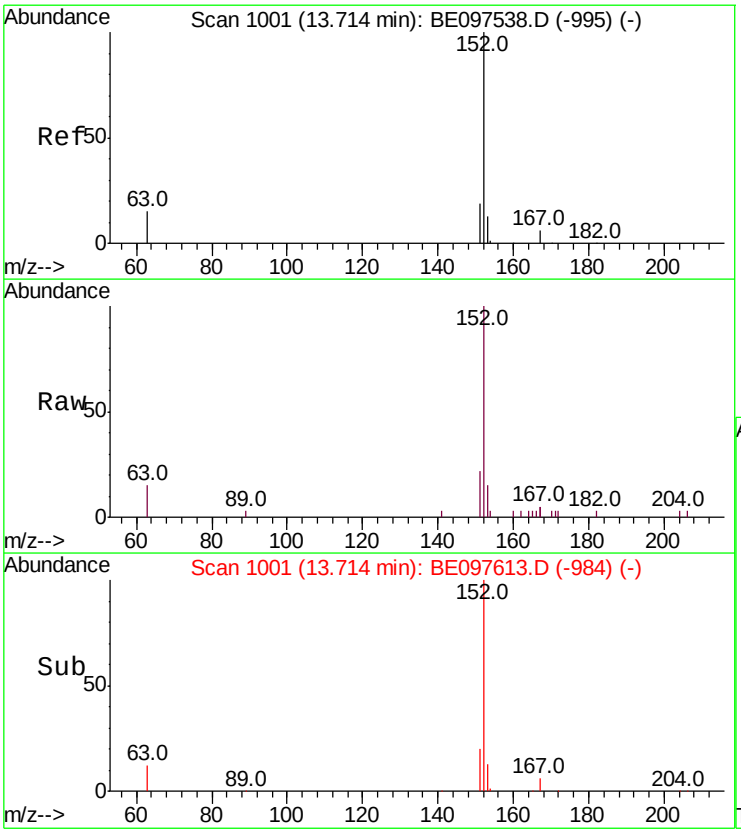
#15
2-Fluorobiphenyl
Concen: 0.465 ng
RT: 12.62 min Scan# 906
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:172 Resp: 3692

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.9	44.9
170	25.3	21.8	32.8

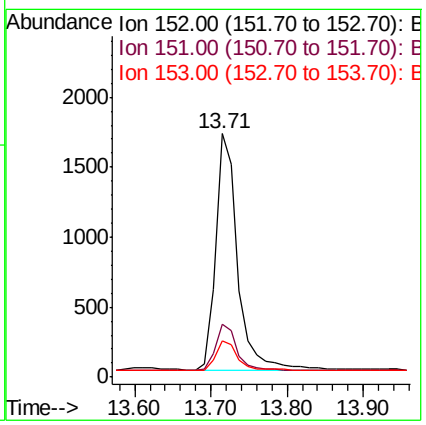


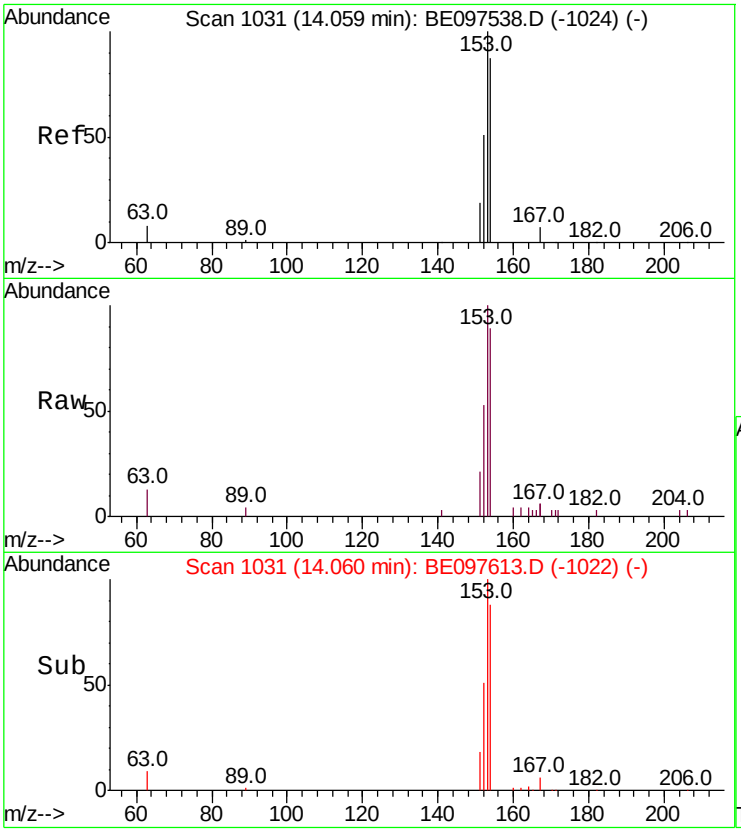


#16
Acenaphthylene
Concen: 0.381 ng
RT: 13.71 min Scan# 1001
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:152 Resp: 3385

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.7	23.5
153	13.4	10.5	15.7



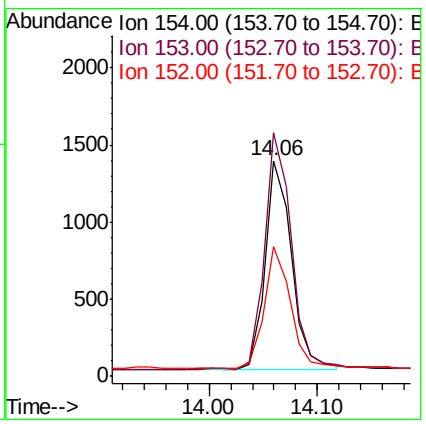


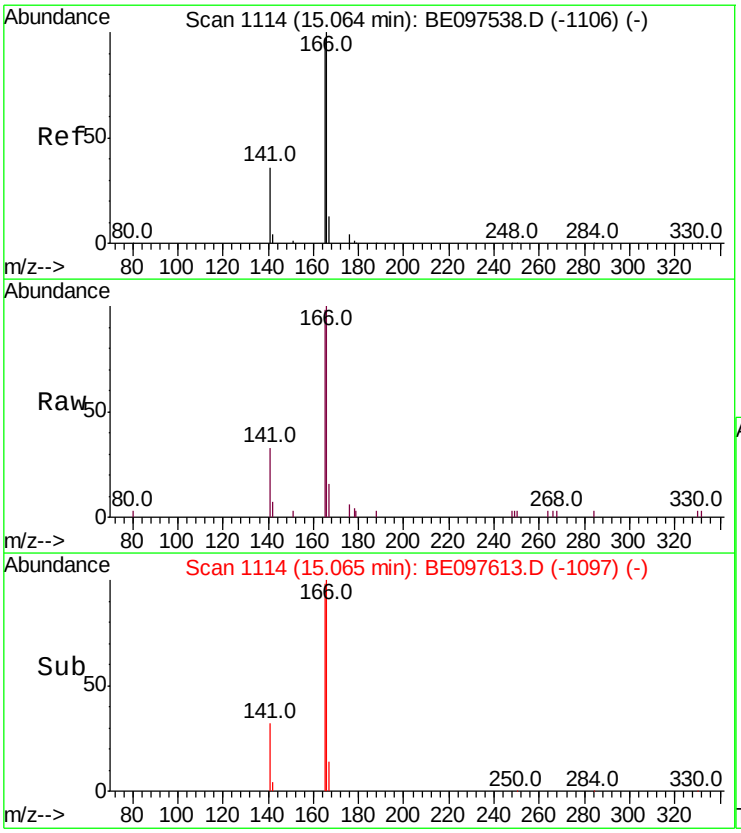
#17
Acenaphthene
Concen: 0.386 ng
RT: 14.06 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:154 Resp: 2298

Ion	Ratio	Lower	Upper
154	100		
153	114.9	89.2	133.8
152	58.7	42.0	63.0

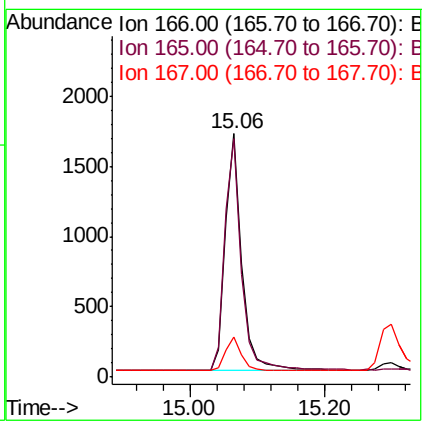


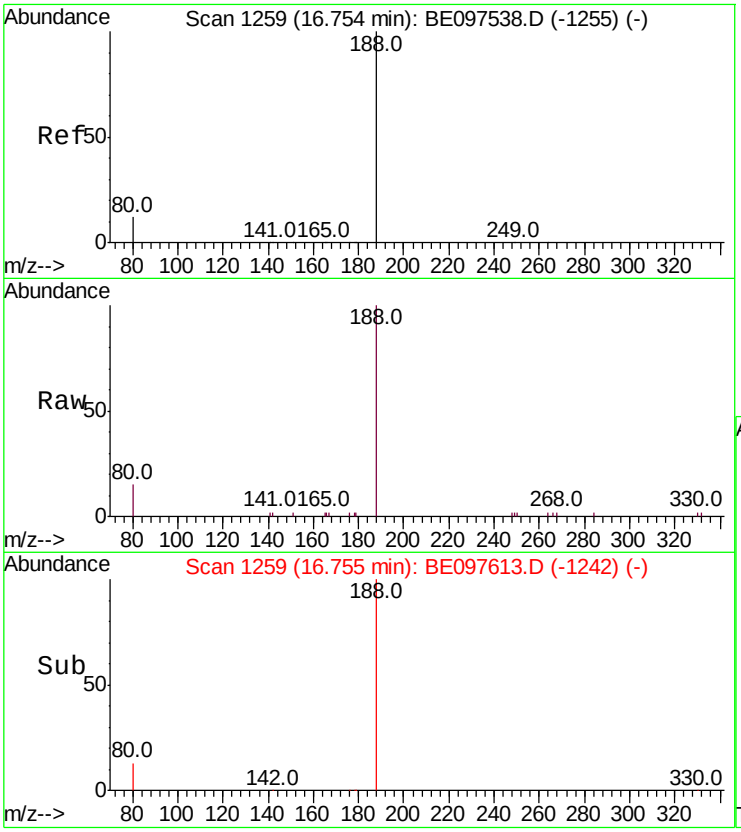


#18
Fluorene
Concen: 0.377 ng
RT: 15.06 min Scan# 1114
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:166 Resp: 2921

Ion	Ratio	Lower	Upper
166	100		
165	98.9	77.8	116.6
167	13.7	42.4	63.6#



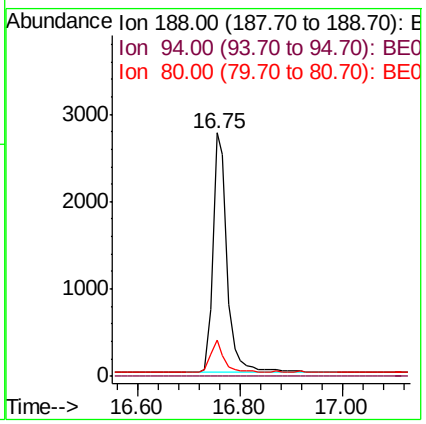


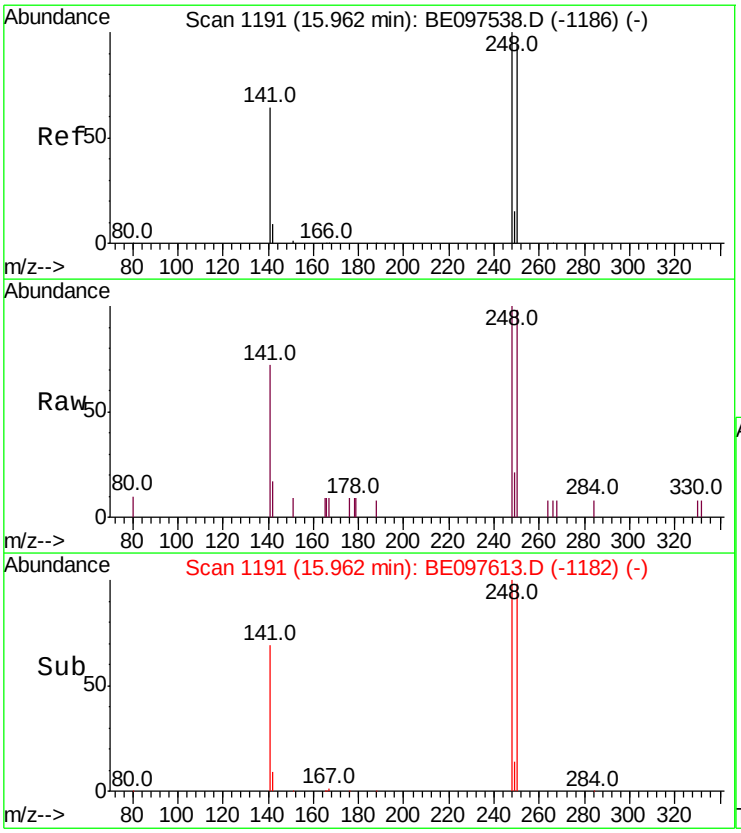
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.75 min Scan# 1259
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:188 Resp: 5274

Ion	Ratio	Lower	Upper
188	100		
94	0.0	3.9	5.9#
80	15.1	3.6	5.4#

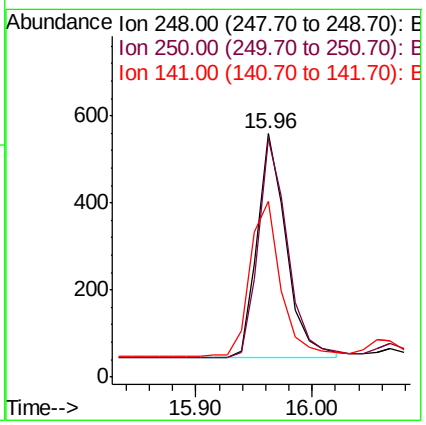


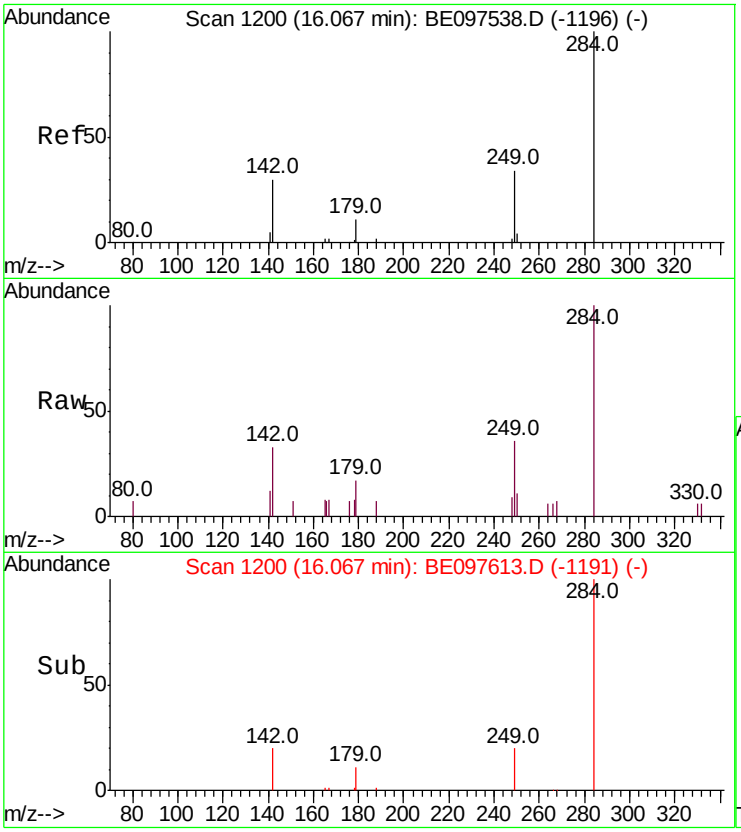


#20
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 15.96 min Scan# 1191
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:248 Resp: 901

Ion	Ratio	Lower	Upper
248	100		
250	97.9	62.7	94.1#
141	72.3	48.2	72.2#



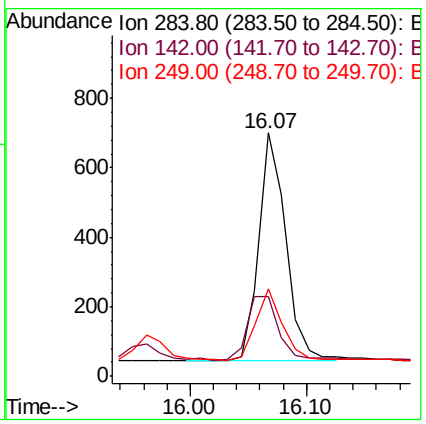


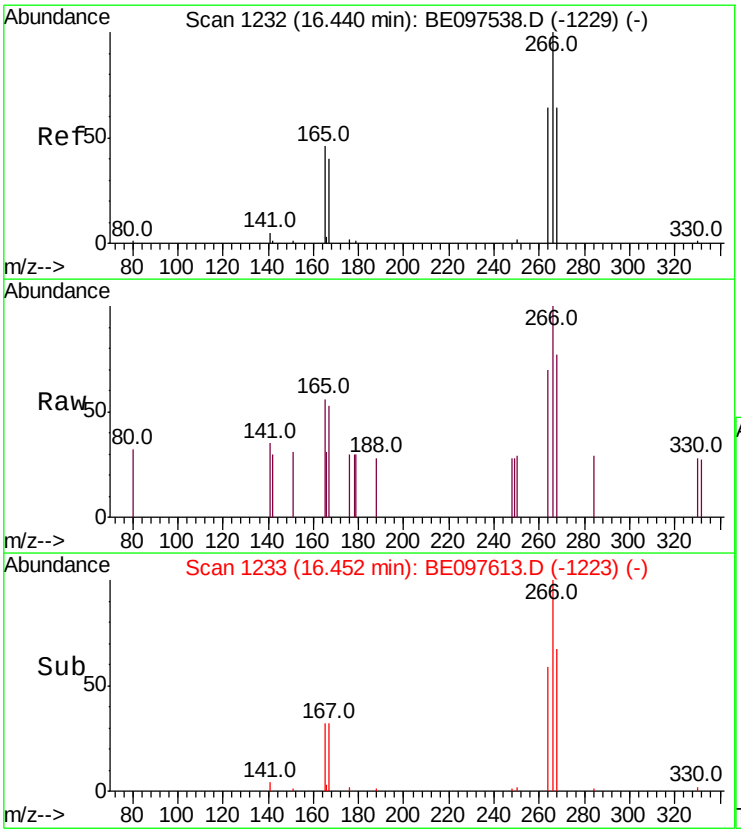
#21
Hexachlorobenzene
Concen: 0.410 ng
RT: 16.07 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:284 Resp: 1071

Ion	Ratio	Lower	Upper
284	100		
142	32.2	22.1	33.1
249	30.2	34.8	52.2#

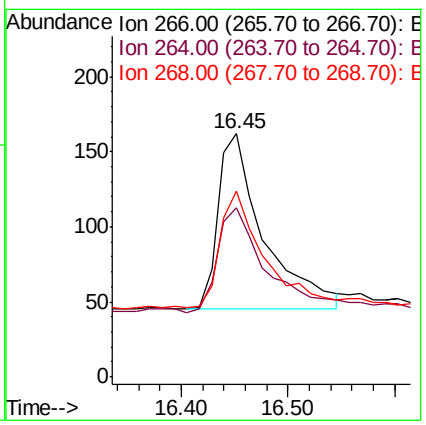


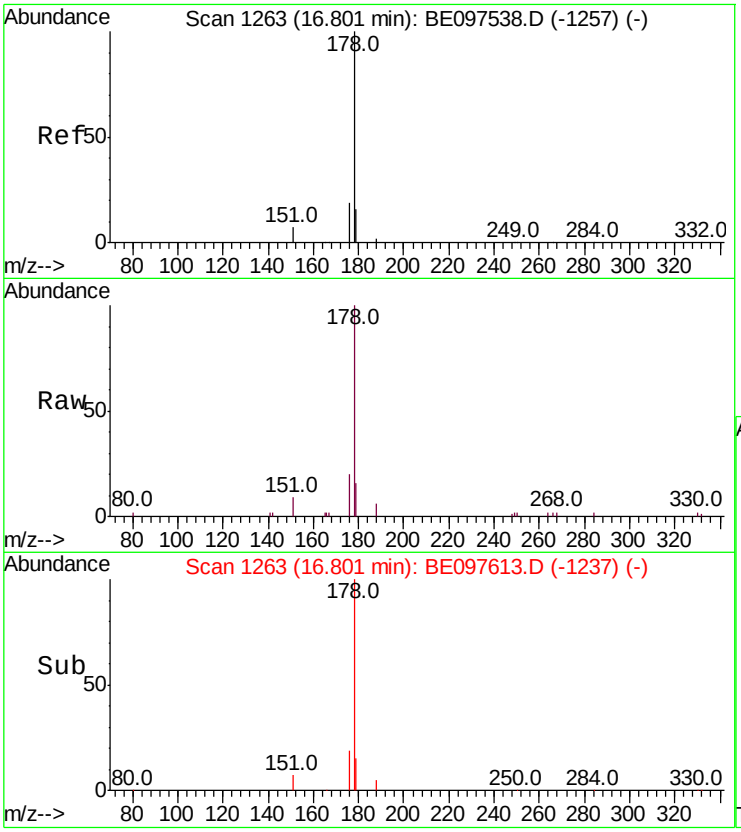


#22
Pentachlorophenol
Concen: 0.426 ng
RT: 16.45 min Scan# 1233
Delta R.T. 0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:266 Resp: 347

Ion	Ratio	Lower	Upper
266	100		
264	69.8	72.5	108.7#
268	76.5	73.8	110.6



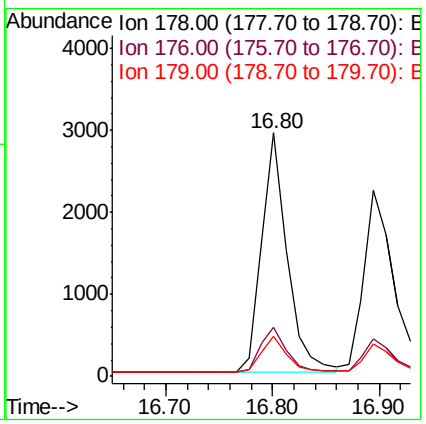


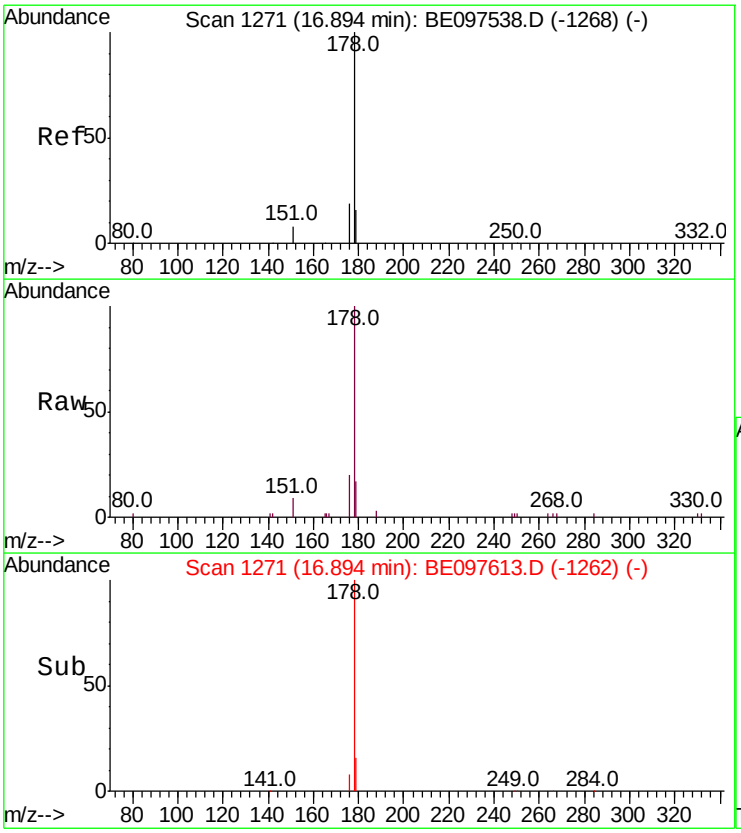
#23
Phenanthrene
Concen: 0.393 ng
RT: 16.80 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:178 Resp: 4924

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.1	22.7
179	15.6	11.8	17.6

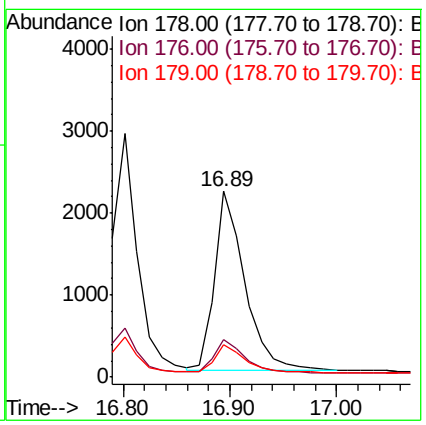


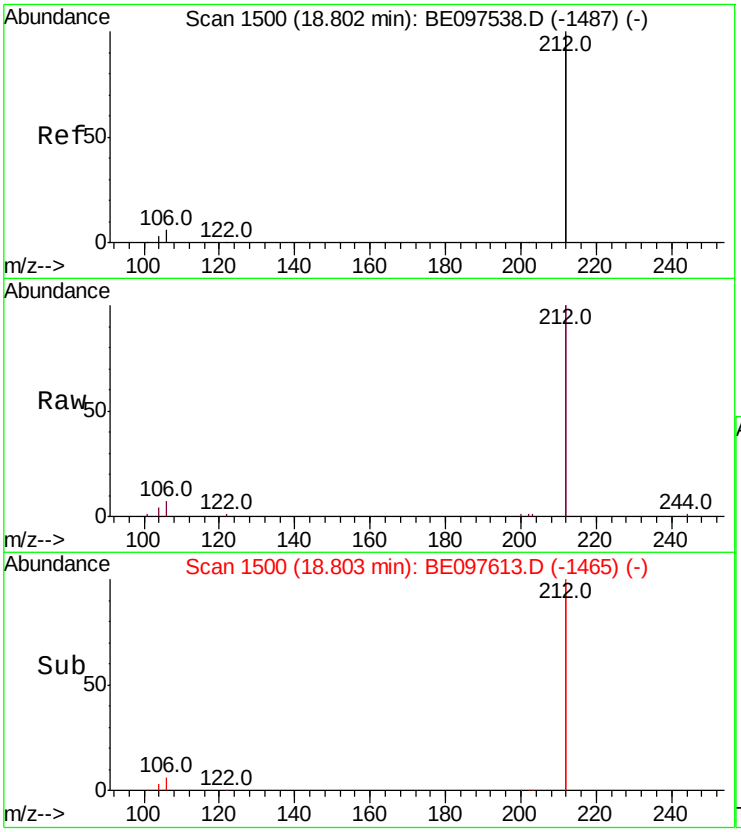


#24
Anthracene
Concen: 0.384 ng
RT: 16.89 min Scan# 1271
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:178 Resp: 4246

Ion	Ratio	Lower	Upper
178	100		
176	18.6	12.8	19.2
179	15.3	13.0	19.6



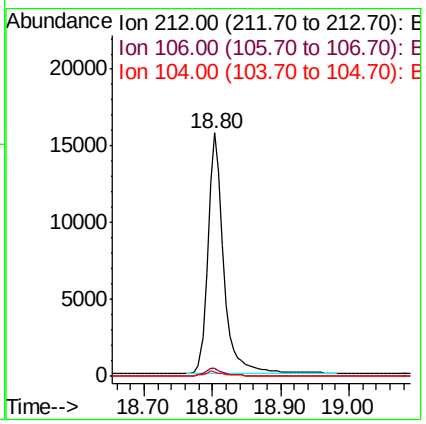


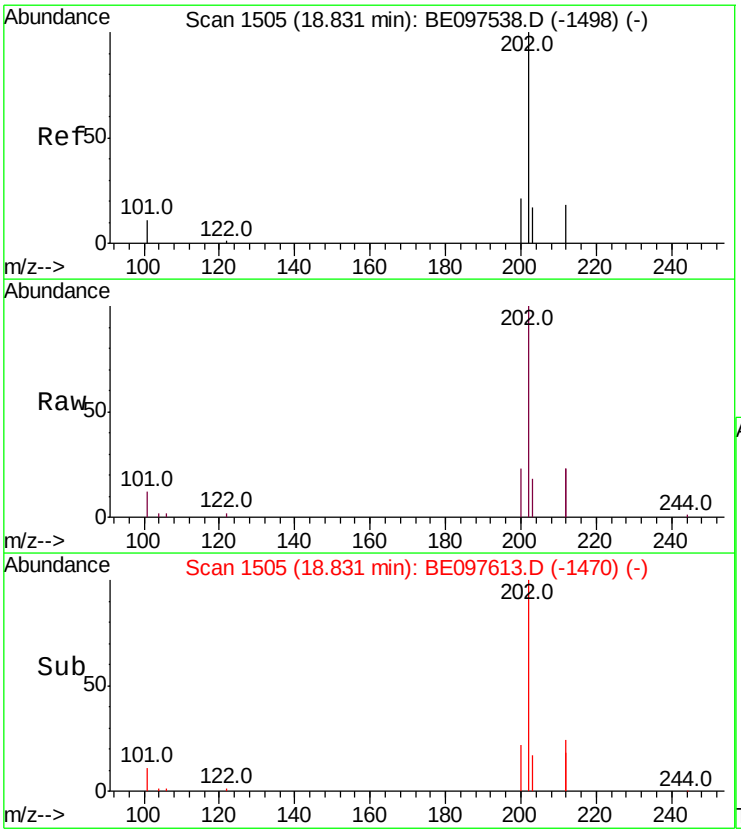
#25
Fluoranthene-d10
Concen: 0.375 ng
RT: 18.80 min Scan# 1500
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument : BNA_E
ClientSampleId : PB112956BS

Tgt Ion:212 Resp: 25292

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.8	4.2
104	1.8	1.6	2.4

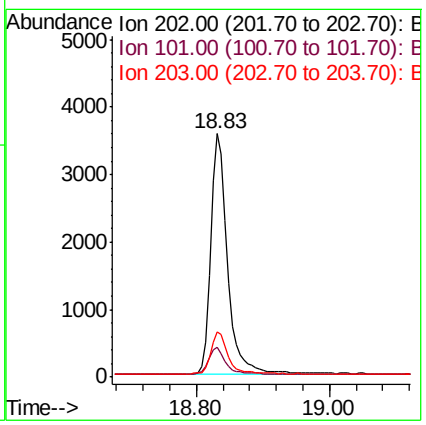


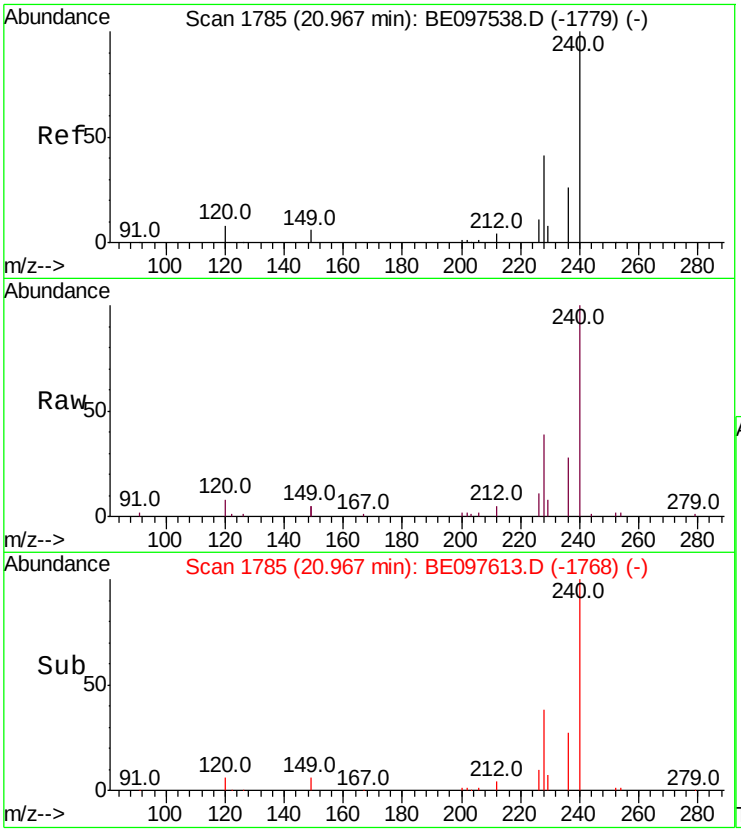


#26
Fluoranthene
Concen: 0.353 ng
RT: 18.83 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:202 Resp: 6129

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.8	14.8
203	17.3	13.7	20.5



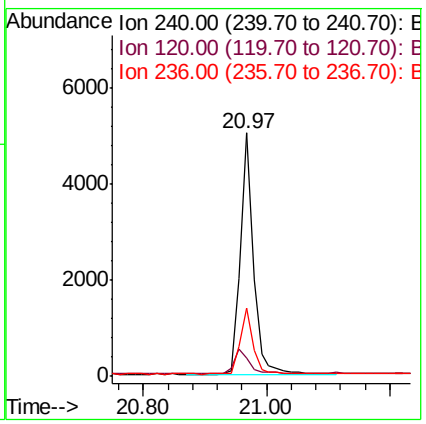


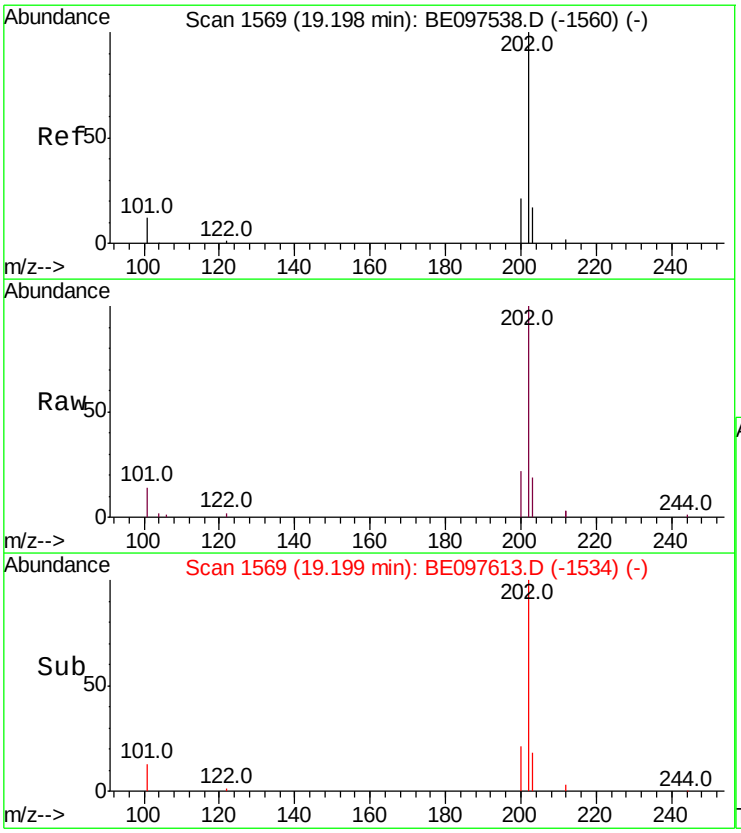
#27
Chrysene-d12
Concen: 0.400 ng
RT: 20.97 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:240 Resp: 7262

Ion	Ratio	Lower	Upper
240	100		
120	7.7	5.5	8.3
236	28.0	20.7	31.1

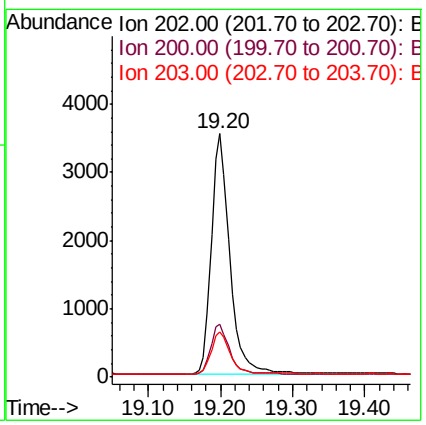


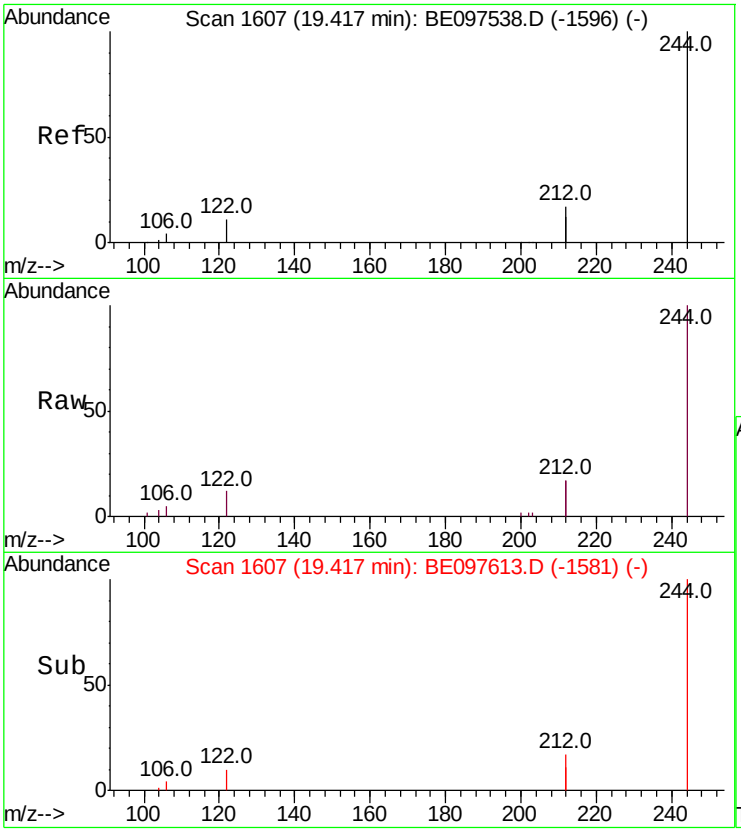


#28
Pyrene
Concen: 0.377 ng
RT: 19.20 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:202 Resp: 6229

Ion	Ratio	Lower	Upper
202	100		
200	20.9	16.6	25.0
203	18.0	13.8	20.8



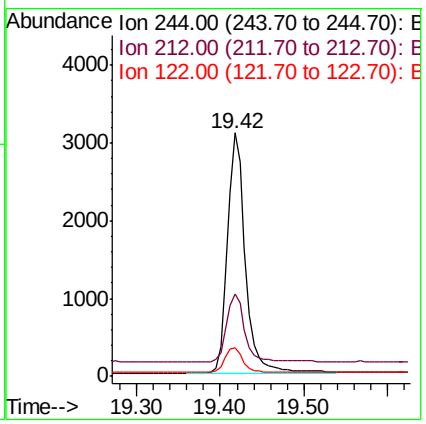


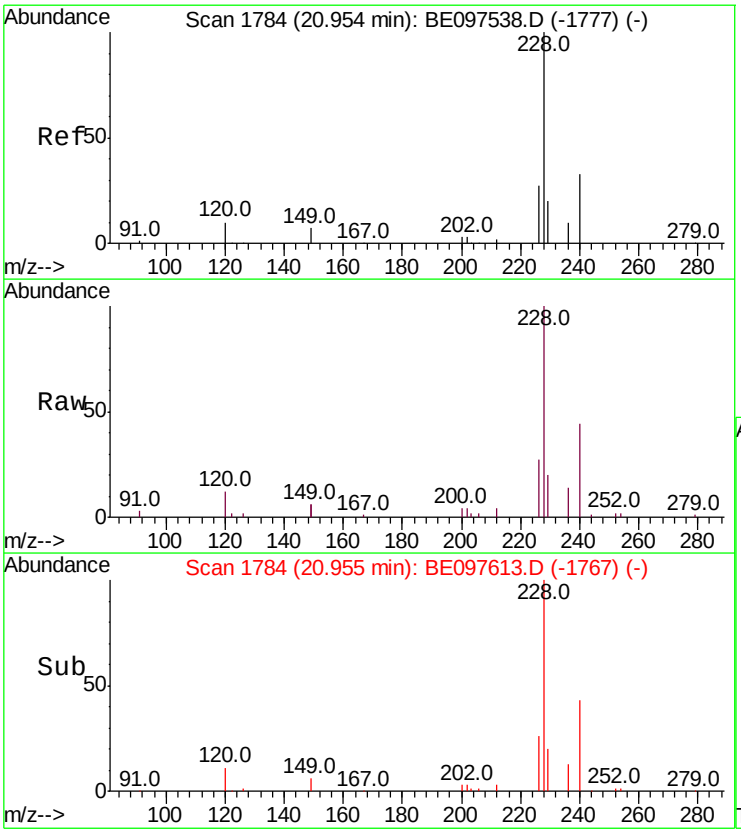
#29
Terphenyl-d14
Concen: 0.342 ng
RT: 19.42 min Scan# 1607
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:244 Resp: 4551

Ion	Ratio	Lower	Upper
244	100		
212	33.9	25.4	38.0
122	11.8	8.1	12.1

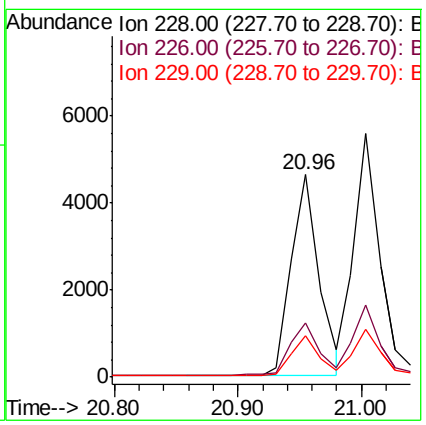


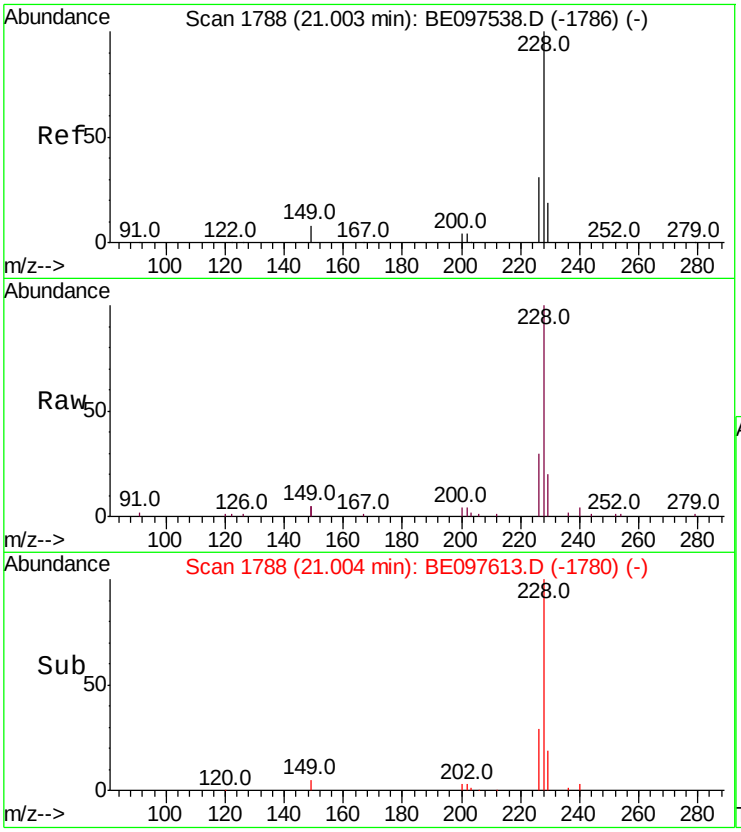


#30
Benzo(a)anthracene
Concen: 0.395 ng
RT: 20.96 min Scan# 1784
Delta R.T. 0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:228 Resp: 7214

Ion	Ratio	Lower	Upper
228	100		
226	27.0	24.0	36.0
229	20.5	16.0	24.0



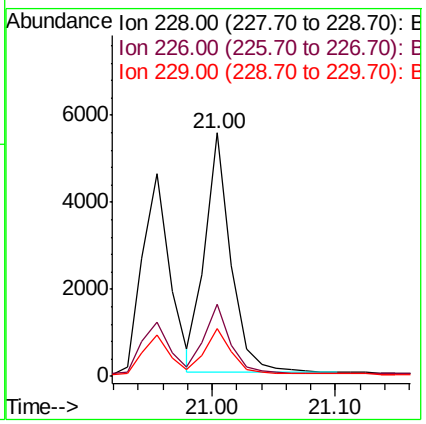


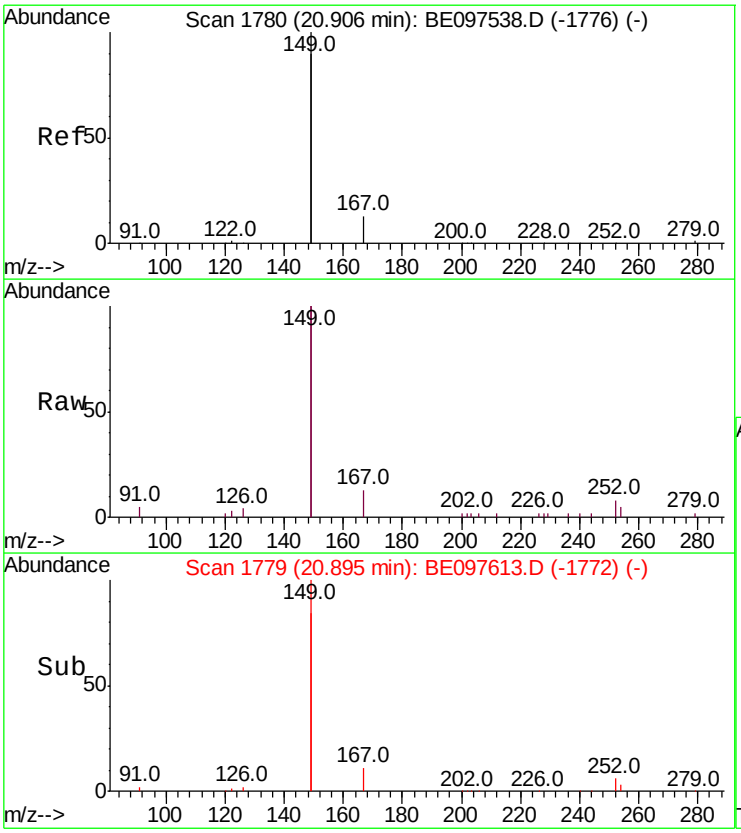
#31
Chrysene
Concen: 0.411 ng
RT: 21.00 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:228 Resp: 8067

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	19.8	16.0	24.0

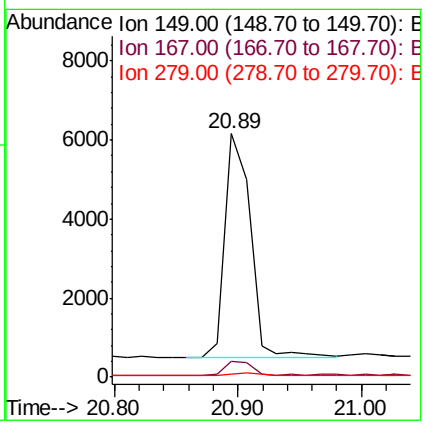


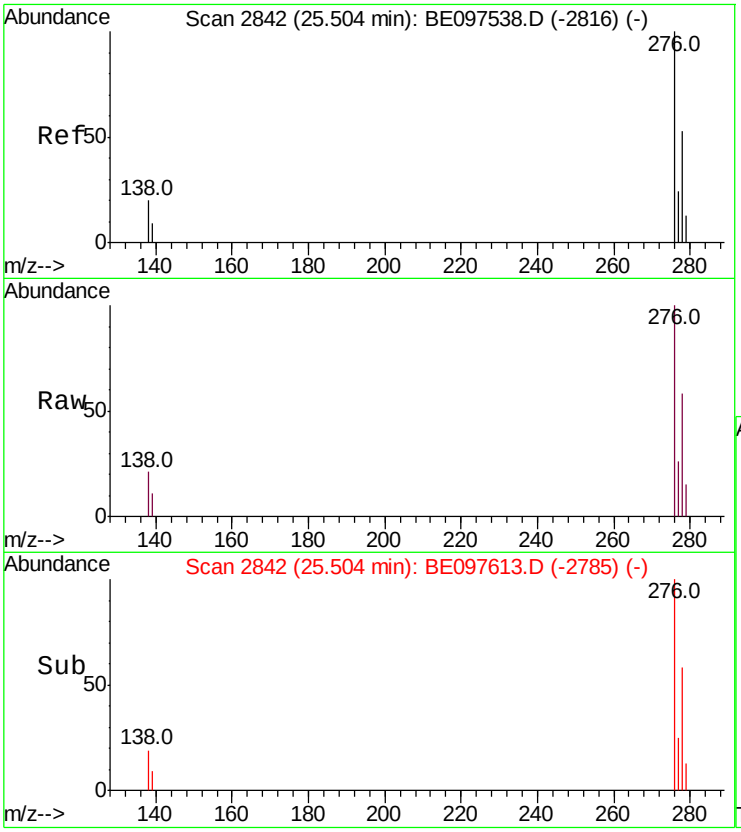


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.274 ng
RT: 20.89 min Scan# 1779
Delta R.T. -0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:149 Resp: 8088

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.4	8.0
279	1.1	0.7	1.1#



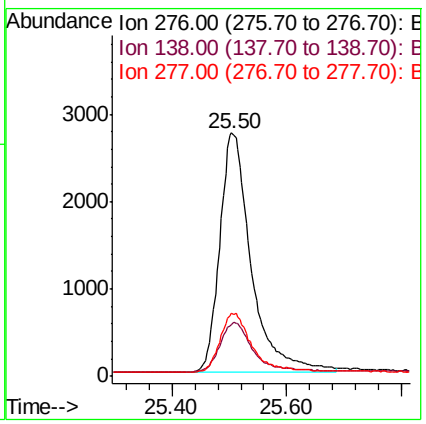


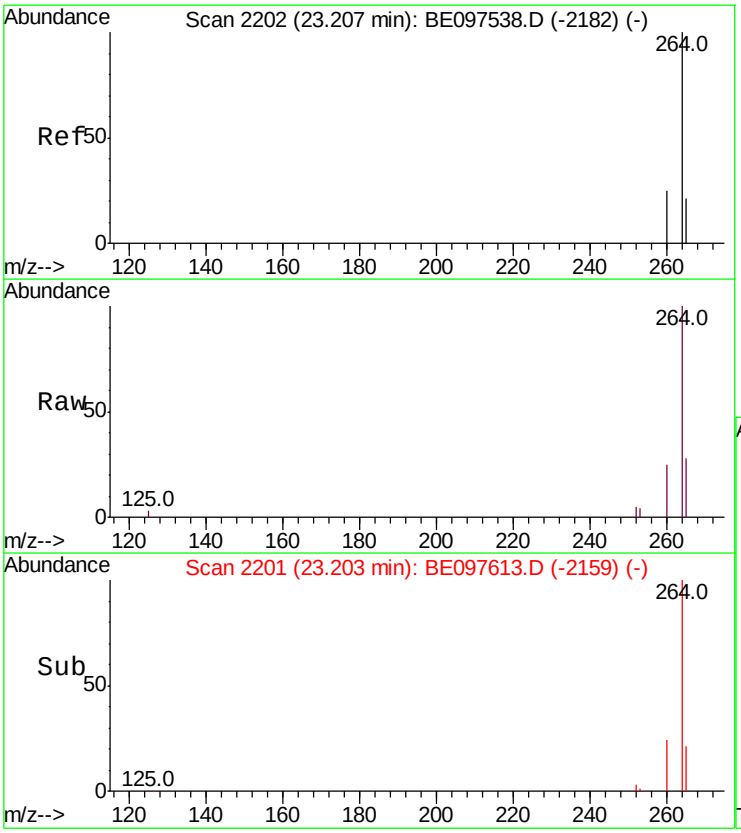
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.442 ng
RT: 25.50 min Scan# 2842
Delta R.T. 0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:276 Resp: 10438

Ion	Ratio	Lower	Upper
276	100		
138	21.1	22.5	33.7#
277	24.8	19.9	29.9

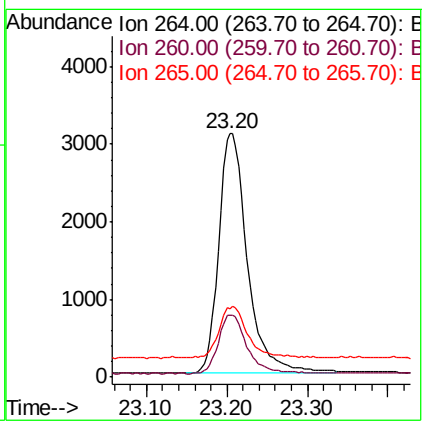


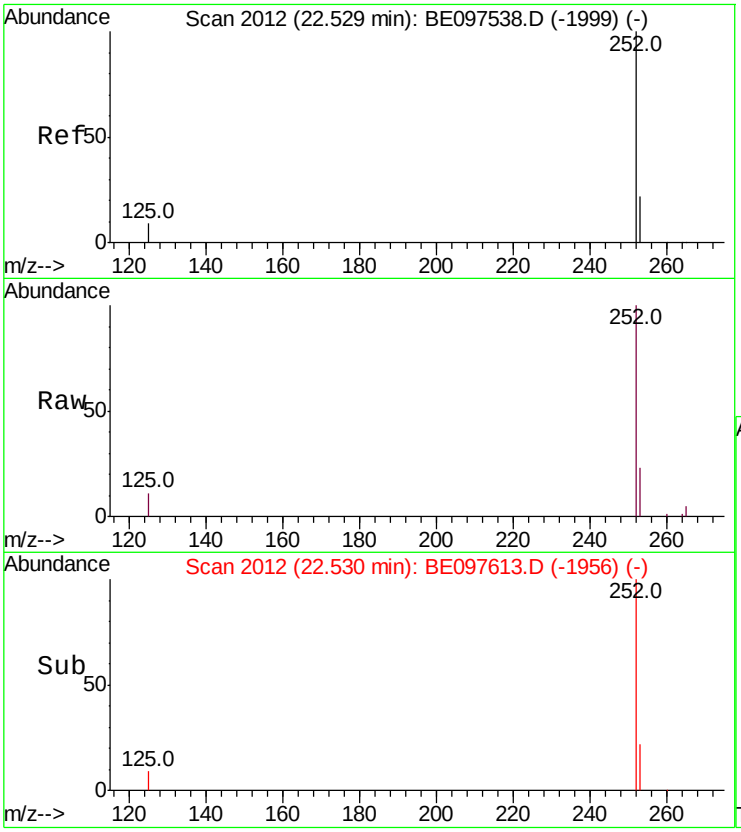


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.20 min Scan# 2201
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:264 Resp: 7597

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.5	30.7
265	28.2	22.8	34.2



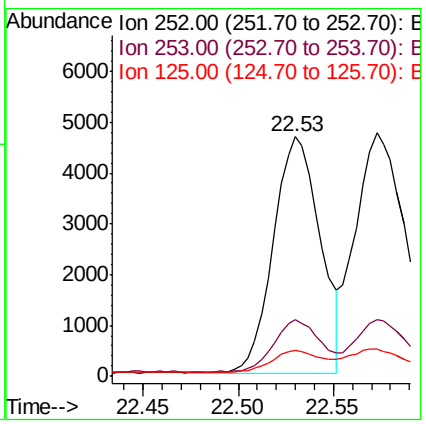


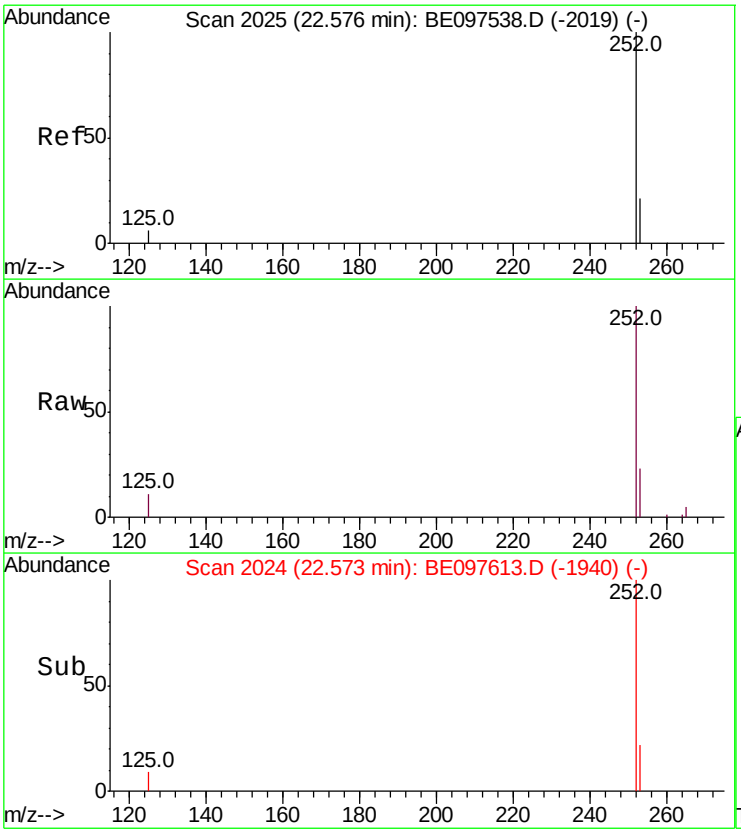
#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 22.53 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:252 Resp: 7931

Ion	Ratio	Lower	Upper
252	100		
253	23.5	20.0	30.0
125	10.7	16.0	24.0#

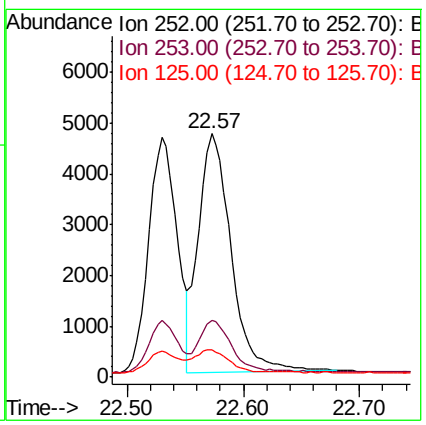


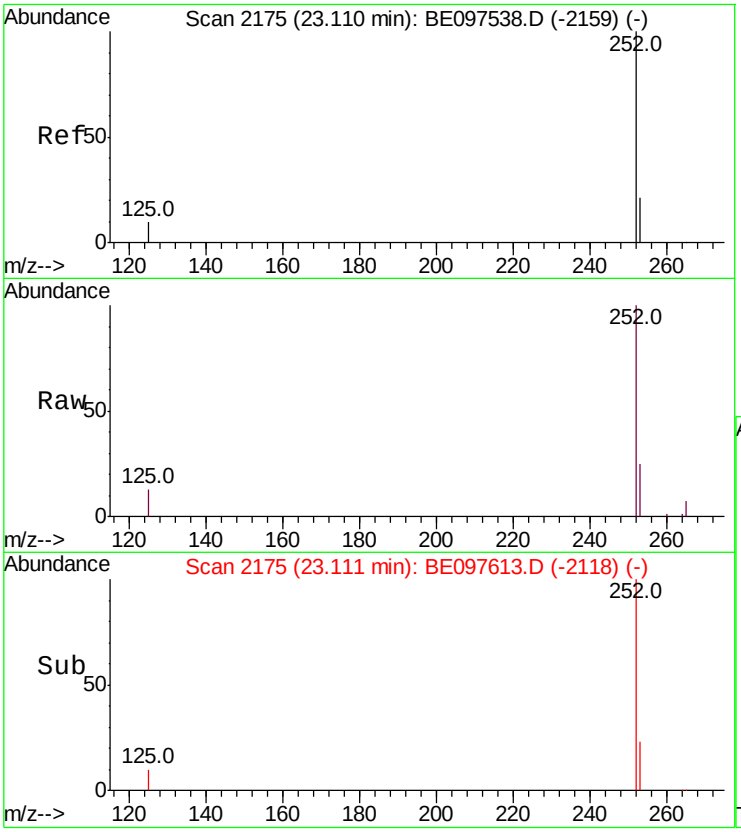


#36
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 22.57 min Scan# 2024
Delta R.T. -0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:252 Resp: 9161

Ion	Ratio	Lower	Upper
252	100		
253	23.3	16.0	24.0
125	11.0	8.0	12.0



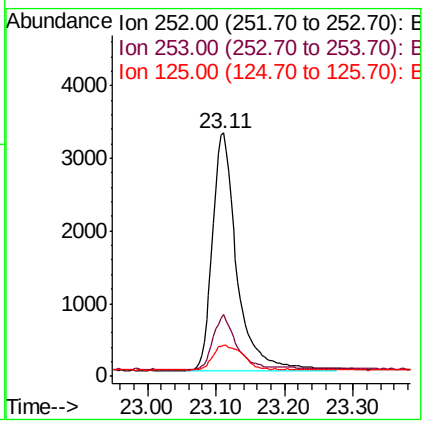


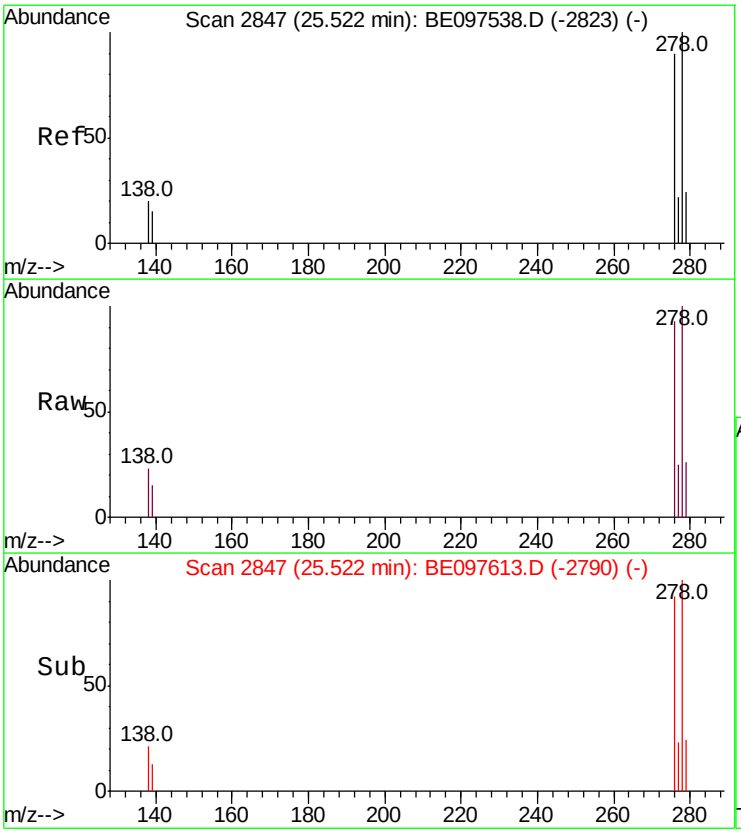
#37
Benzo(a)pyrene
Concen: 0.425 ng
RT: 23.11 min Scan# 2175
Delta R.T. 0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:252 Resp: 8053

Ion	Ratio	Lower	Upper
252	100		
253	25.2	16.0	24.0#
125	12.6	12.0	18.0

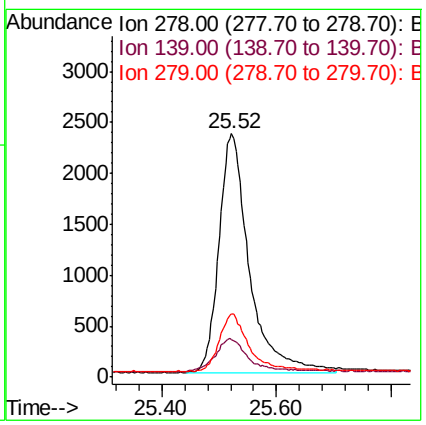


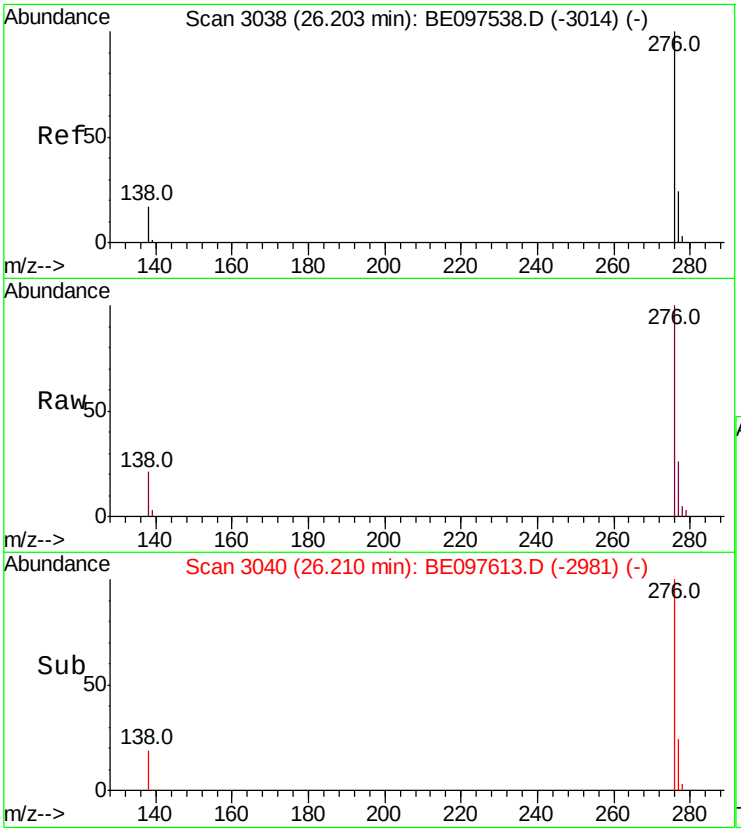


#38
Dibenzo(a,h)anthracene
Concen: 0.422 ng
RT: 25.52 min Scan# 2847
Delta R.T. 0.00 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Tgt Ion:278 Resp: 8618

Ion	Ratio	Lower	Upper
278	100		
139	15.4	16.0	24.0#
279	26.1	20.0	30.0





#39
Benzo(g,h,i)perylene
Concen: 0.433 ng
RT: 26.21 min Scan# 3040
Delta R.T. 0.01 min
Lab File: BE097613.D
Acq: 21 Sep 2018 16:02

Instrument :
BNA_E
ClientSampleId :
PB112956BS

Tgt Ion:276 Resp: 8603

Ion	Ratio	Lower	Upper
276	100		
277	25.6	16.0	24.0#
138	20.7	20.0	30.0