Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121618\
Data File : BE098507.D
Acq On : 16 Dec 2018 15:09
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Dec 17 03:25:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	661	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	2824	0.40	ng		-0.01
13) Acenaphthene-d10	14.51	164	1898	0.40	ng		-0.01
19) Phenanthrene-d10	17.27	188	5566	0.40	ng		-0.01
27) Chrysene-d12	21.45	240	7457	0.40	ng		-0.01
34) Perylene-d12	24.00	264	6977	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	759	0.49	ng		0.00
5) Phenol-d6	7.05	99	985	0.45	ng		0.00
8) Nitrobenzene-d5	9.03	82	919	0.36	ng		0.01
11) 2-Methylnaphthalene-d10	12.25	152	1923	0.42	ng		-0.01
14) 2,4,6-Tribromophenol	16.02	330	366	0.53	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	3134	0.39	ng		0.00
25) Fluoranthene-d10	19.30	212	32449	0.45	ng		0.00
29) Terphenyl-d14	19.90	244	6198	0.34	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	495	0.433	ng	#	87
3) n-Nitrosodimethylamine	3.71	42	468	0.455	ng	#	100
6) bis(2-Chloroethyl)ether	7.29	93	738	0.354	ng		100
9) Naphthalene	10.71	128	11837	0.417	ng		98
10) Hexachlorobutadiene	10.98	225	882	0.487	ng		96
12) 2-Methylnaphthalene	12.34	142	1861	0.403	ng		95
16) Acenaphthylene	14.24	152	3681	0.414	ng		98
17) Acenaphthene	14.59	154	2164	0.405	ng		95
18) Fluorene	15.57	166	3059	0.428	ng		98
20) 4-Bromophenyl-phenylether	16.46	248	1106	0.369	ng	#	80
21) Hexachlorobenzene	16.58	284	1392	0.432	ng		93
22) Pentachlorophenol	16.93	266	402	0.702	ng		97
23) Phenanthrene	17.31	178	5537	0.409	ng		100
24) Anthracene	17.41	178	4406	0.365	ng		100
26) Fluoranthene	19.33	202	8213	0.459	ng		98
28) Pyrene	19.69	202	8962	0.383	ng		99
30) Benzo(a)anthracene	21.44	228	8917	0.420	ng		100
31) Chrysene	21.50	228	8860	0.398	ng		99
32) Bis(2-ethylhexyl)phthalate	21.35	149	13750	0.319	ng		98
33) Indeno(1,2,3-cd)pyrene	26.69	276	9108	0.411	ng		99
35) Benzo(b)fluoranthene	23.22	252	8060	0.422	ng		97
36) Benzo(k)fluoranthene	23.27	252	9729	0.438	ng		98
37) Benzo(a)pyrene	23.89	252	8375	0.425	ng		97
38) Dibenzo(a,h)anthracene	26.71	278	7325	0.395	ng		96
39) Benzo(g,h,i)perylene	27.51	276	8088	0.433	ng		97

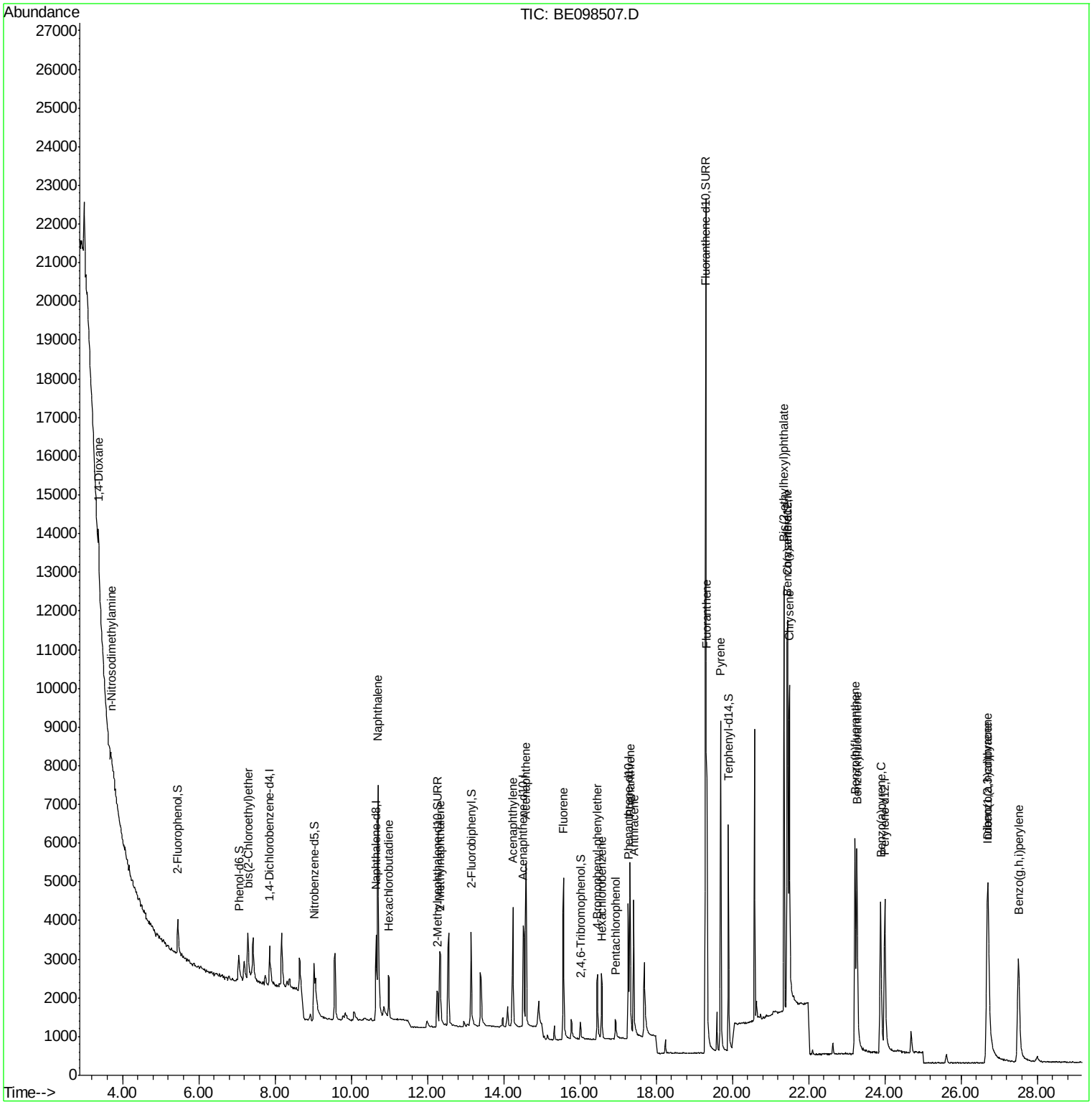
(#) = qualifier out of range (m) = manual integration (+) = signals summed

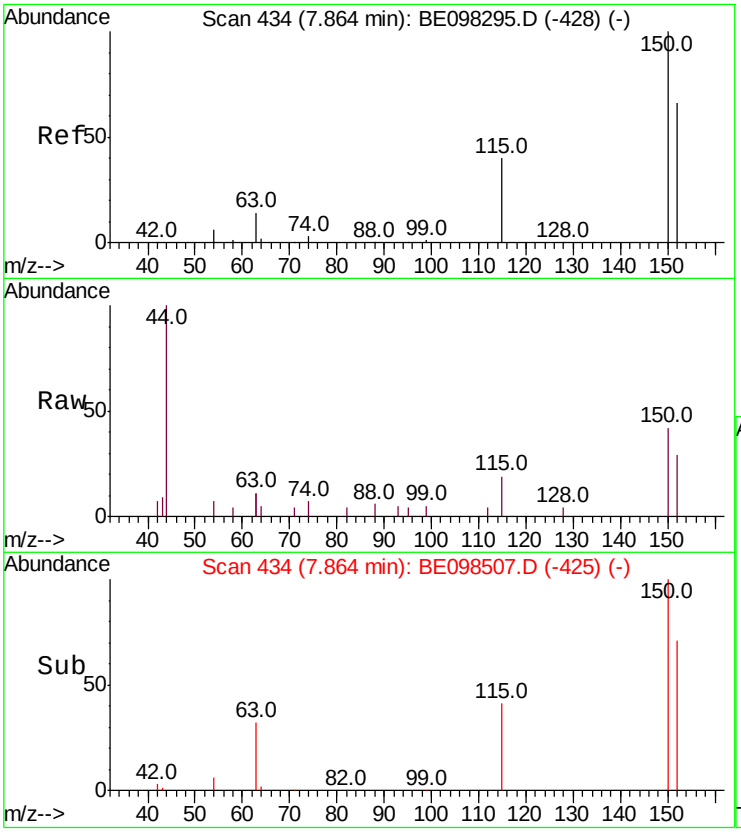
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121618\
Data File : BE098507.D
Acq On : 16 Dec 2018 15:09
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 17 03:25:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 10 14:59:55 2018
Response via : Initial Calibration



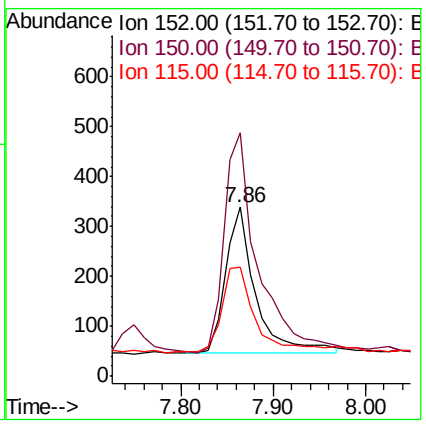


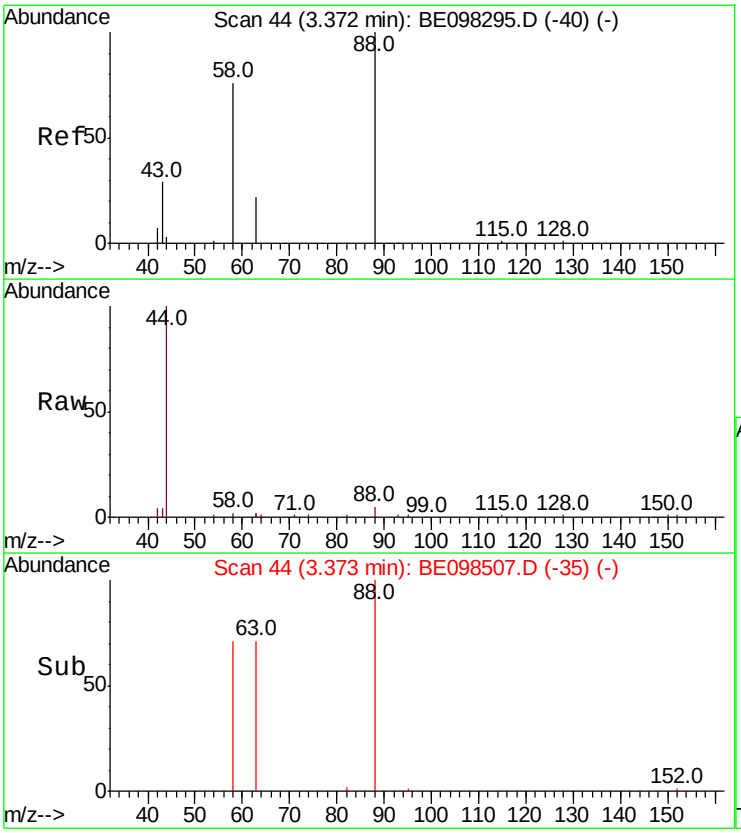
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 661

Ion	Ratio	Lower	Upper
152	100		
150	144.4	124.2	186.4
115	64.8	53.9	80.9

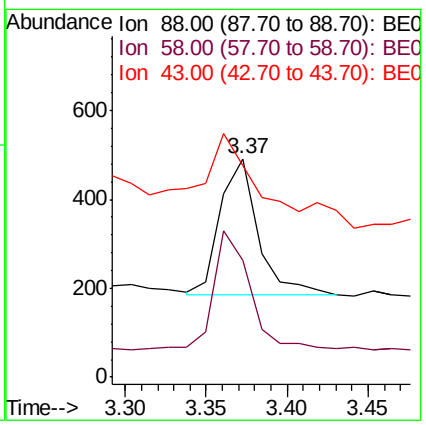


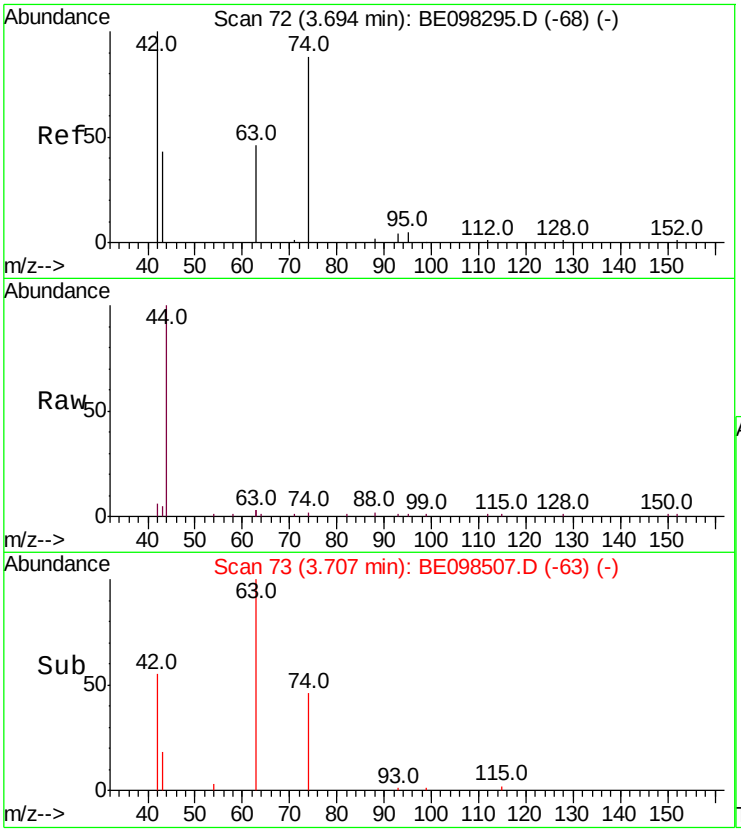


#2
1,4-Dioxane
Concen: 0.433 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion: 88 Resp: 495

Ion	Ratio	Lower	Upper
88	100		
58	85.7	75.0	112.6
43	62.6	38.3	57.5#



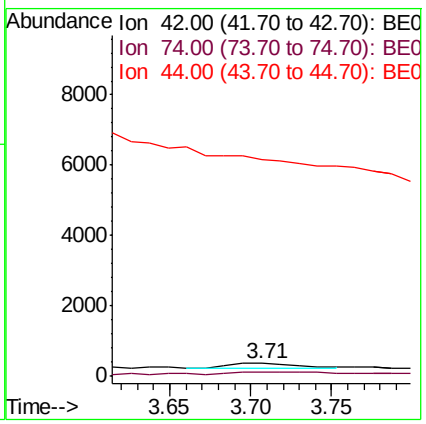


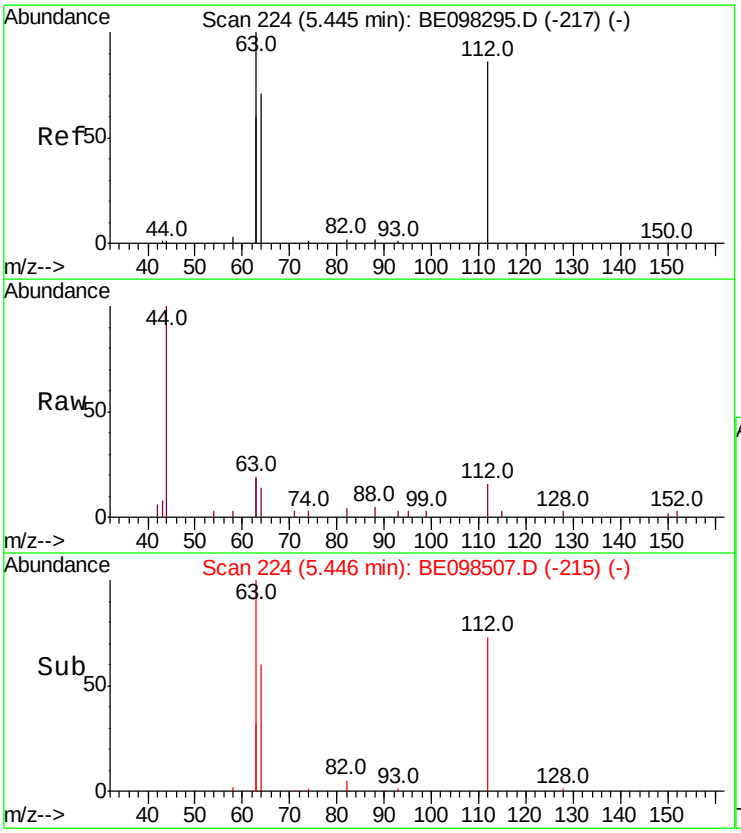
#3
n-Nitrosodimethylamine
Concen: 0.455 ng
RT: 3.71 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 468

Ion	Ratio	Lower	Upper
42	100		
74	50.2	0.0	0.0#
44	0.0	0.0	0.0

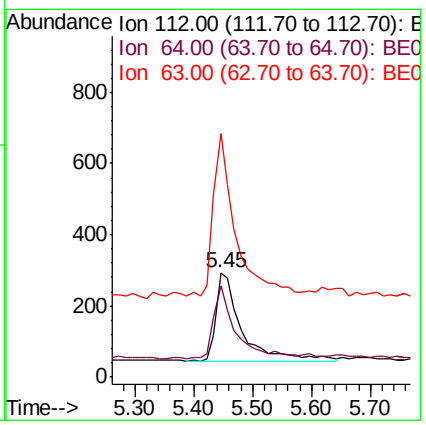


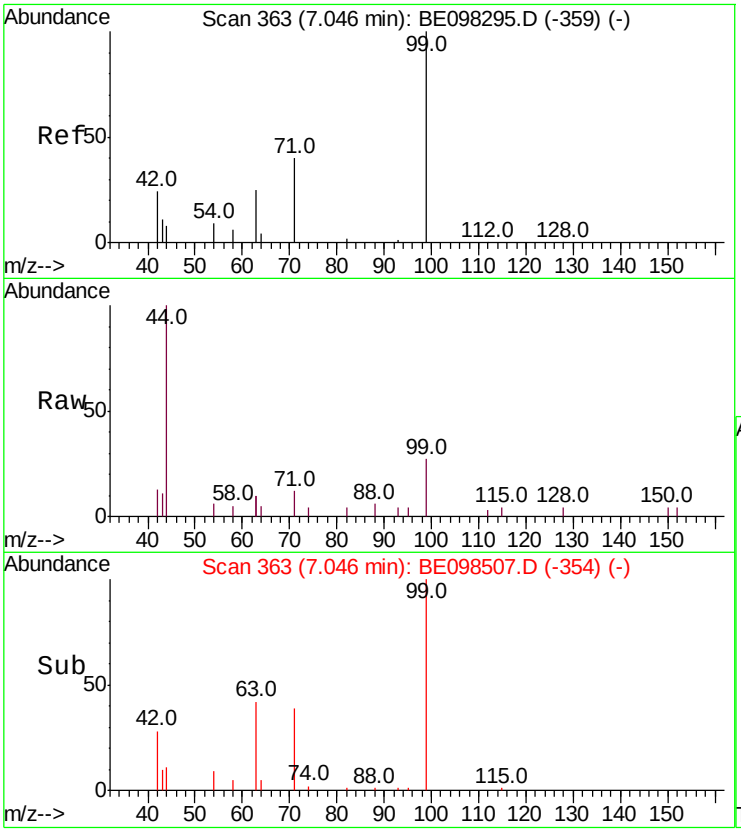


#4
2-Fluorophenol
Concen: 0.491 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:112 Resp: 759

Ion	Ratio	Lower	Upper
112	100		
64	69.0	59.8	89.8
63	159.2	133.7	200.5



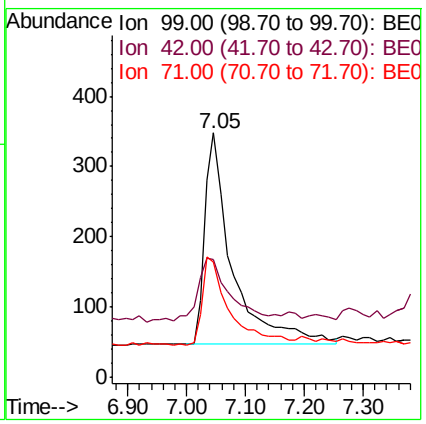


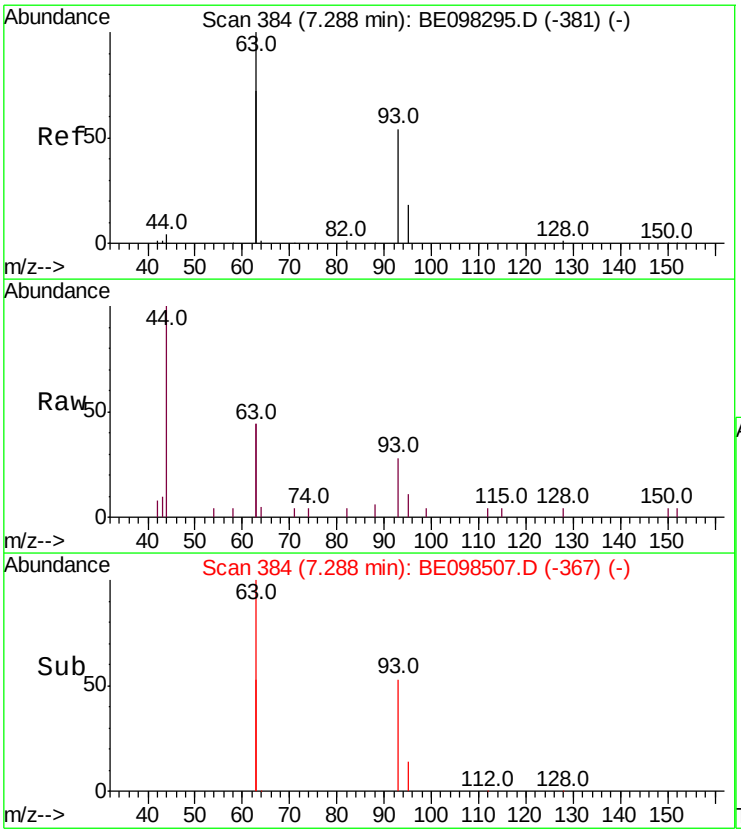
#5
Phenol-d6
Concen: 0.450 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 985

Ion	Ratio	Lower	Upper
99	100		
42	32.5	26.3	39.5
71	41.2	33.6	50.4

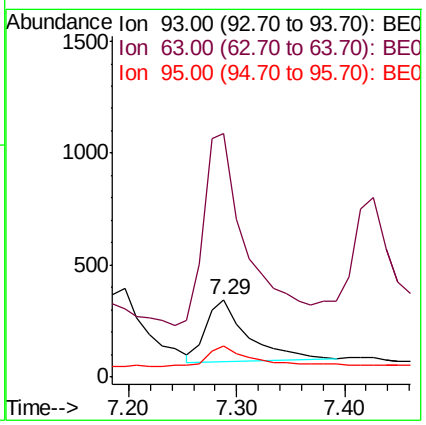


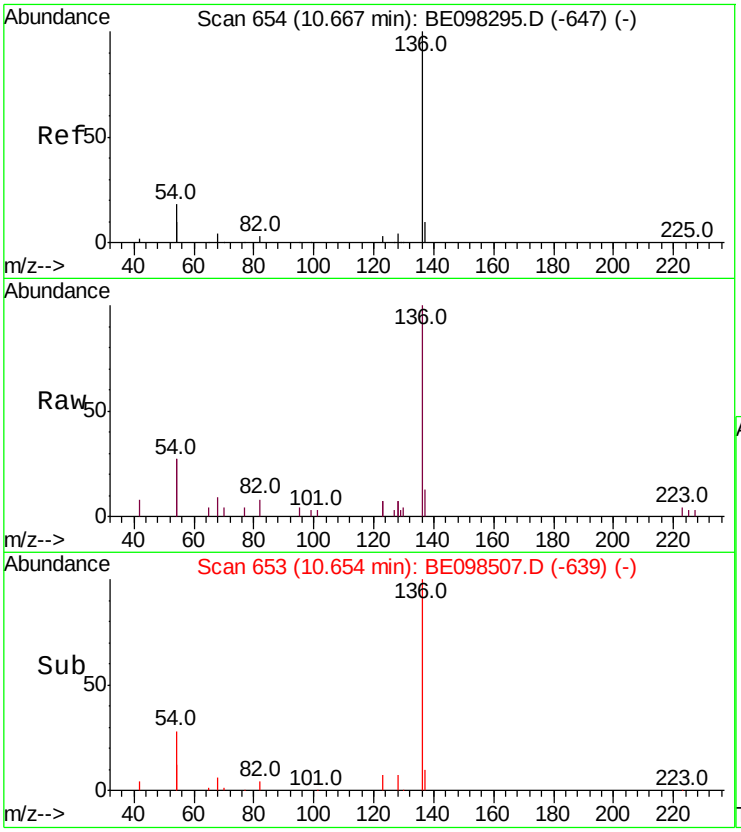


#6
bis(2-Chloroethyl)ether
Concen: 0.354 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion: 93 Resp: 738

Ion	Ratio	Lower	Upper
93	100		
63	330.4	264.4	396.6
95	34.3	26.6	40.0



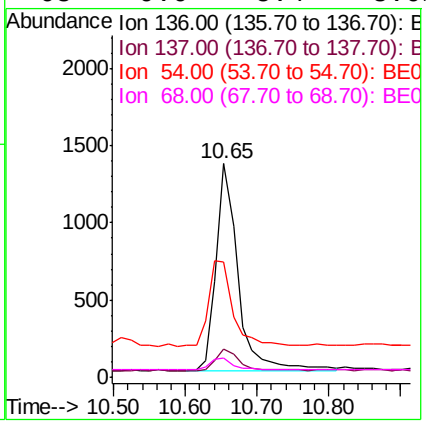


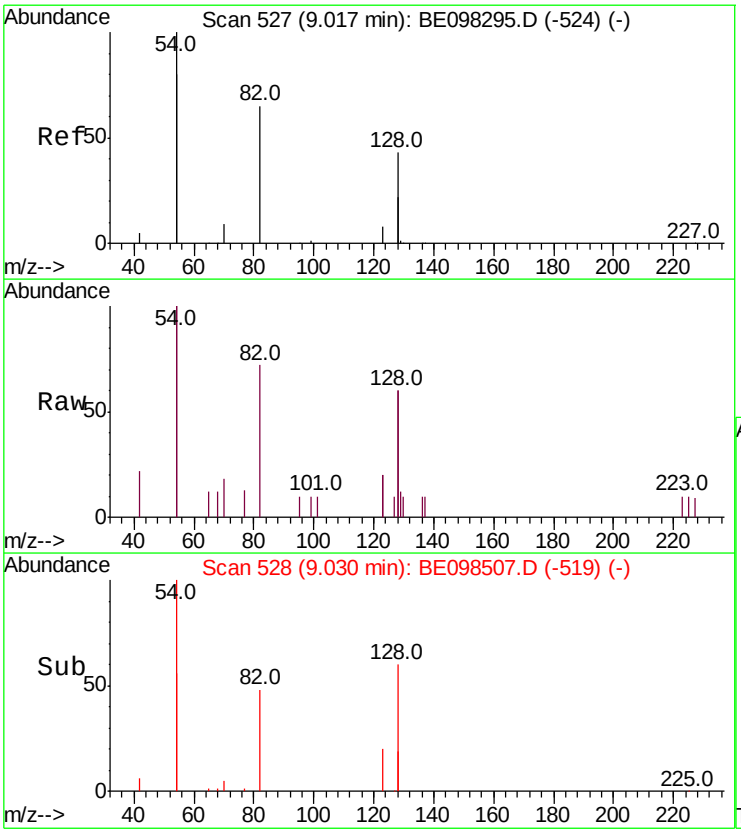
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 2824

Ion	Ratio	Lower	Upper
136	100		
137	13.3	9.2	13.8
54	54.1	28.4	42.6#
68	9.0	5.4	8.0#

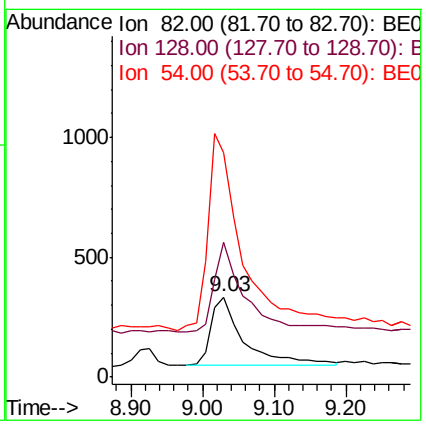


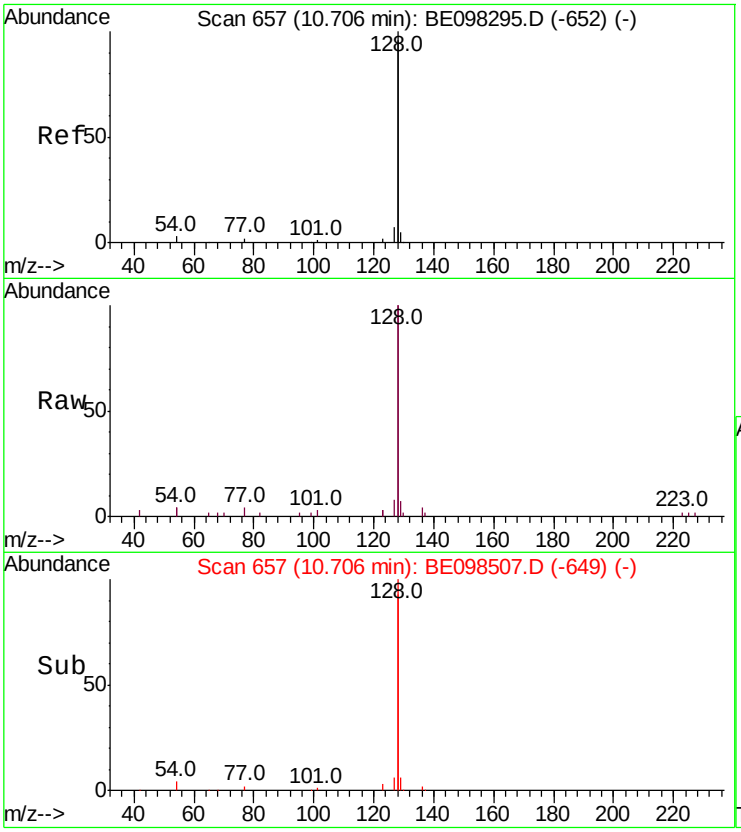


#8
Nitrobenzene-d5
Concen: 0.358 ng
RT: 9.03 min Scan# 528
Delta R.T. 0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion: 82 Resp: 919

Ion	Ratio	Lower	Upper
82	100		
128	168.4	102.4	153.6#
54	279.4	221.8	332.8



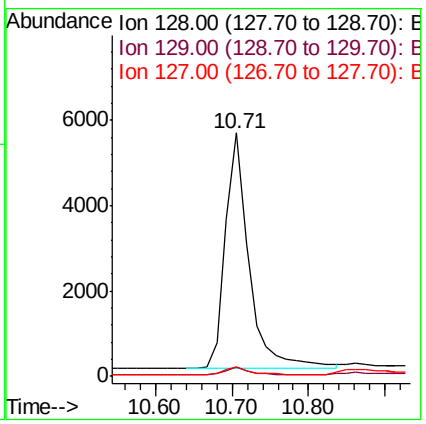


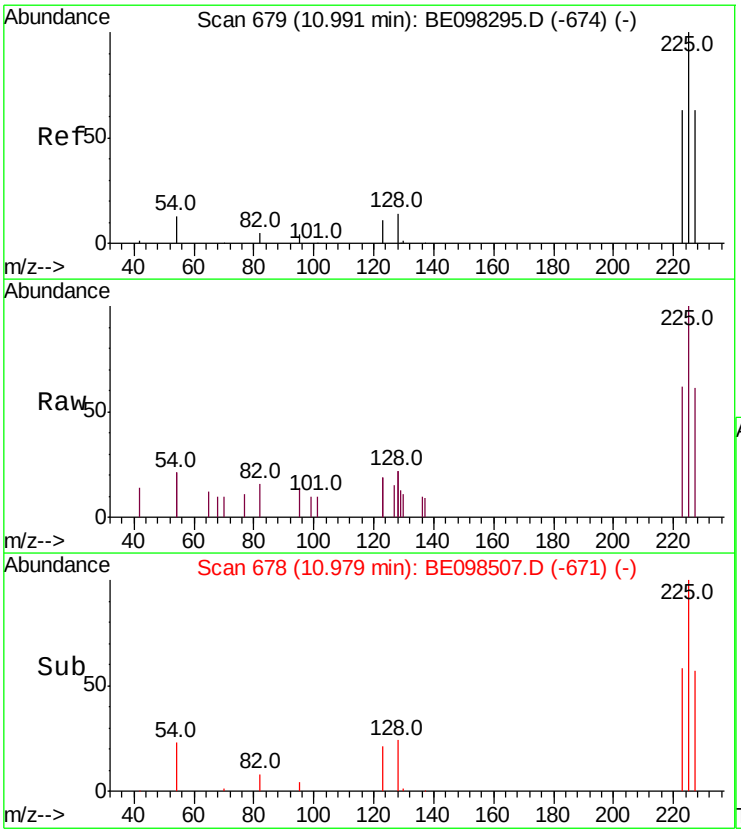
#9
Naphthalene
Concen: 0.417 ng
RT: 10.71 min Scan# 657
Delta R.T. 0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 11837

Ion	Ratio	Lower	Upper
128	100		
129	3.6	2.5	3.7
127	3.9	2.7	4.1

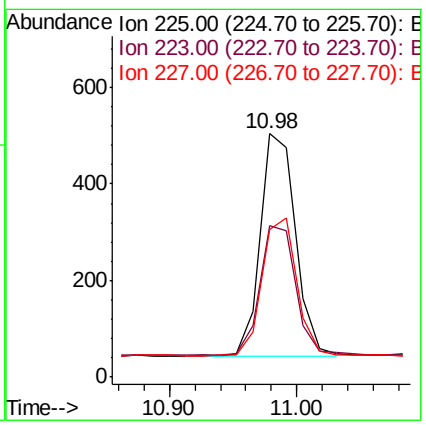


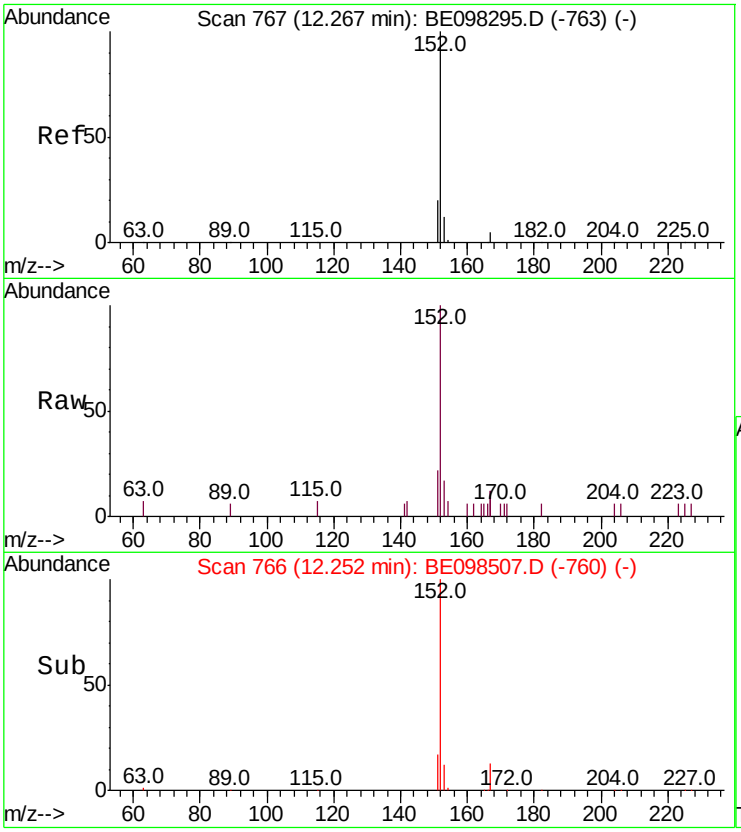


#10
Hexachlorobutadiene
Concen: 0.487 ng
RT: 10.98 min Scan# 678
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:225 Resp: 882

Ion	Ratio	Lower	Upper
225	100		
223	59.4	49.4	74.0
227	61.1	52.0	78.0



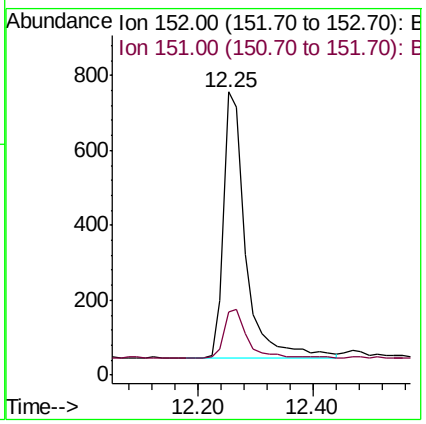


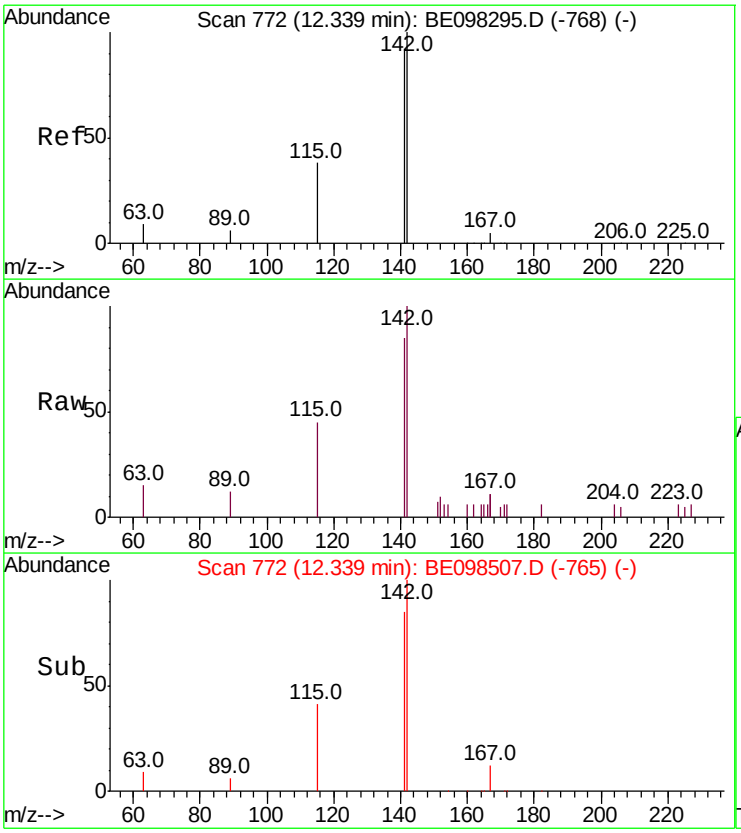
#11
2-Methylnaphthalene-d10
Concen: 0.419 ng
RT: 12.25 min Scan# 766
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1923

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.4

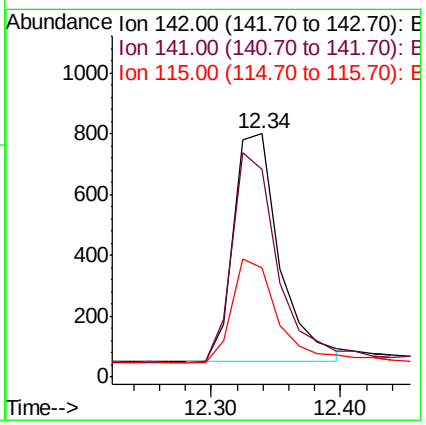


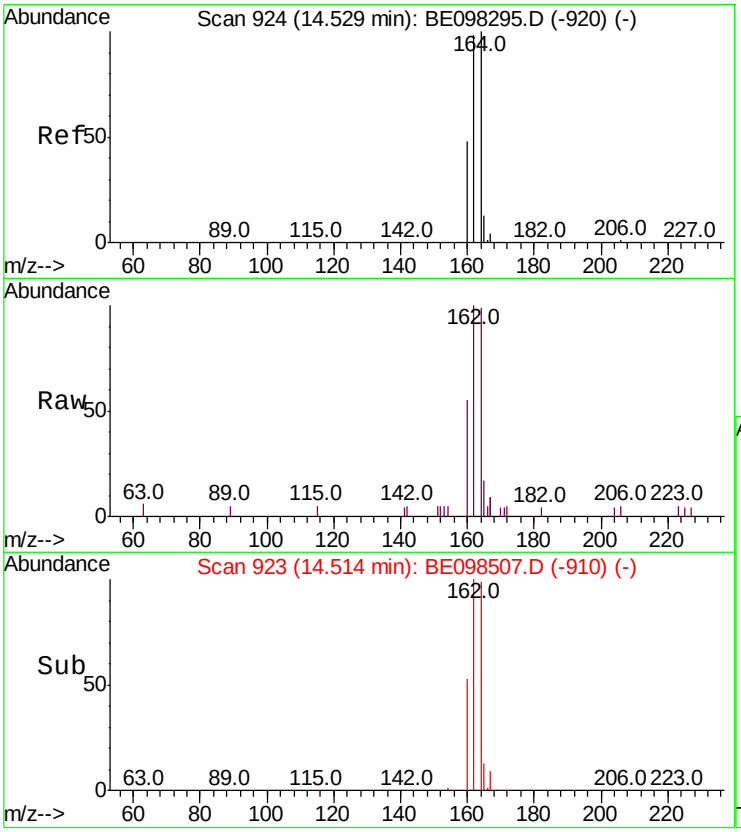


#12
2-Methylnaphthalene
Concen: 0.403 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:142 Resp: 1861

Ion	Ratio	Lower	Upper
142	100		
141	85.3	71.0	106.6
115	44.7	32.2	48.2



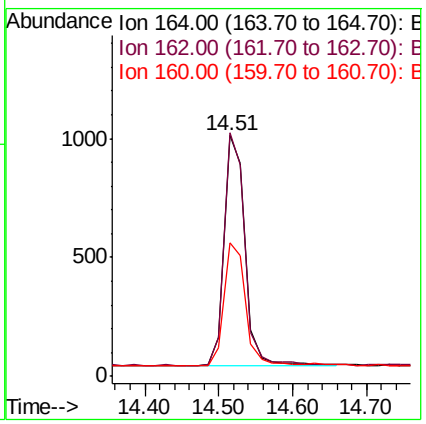


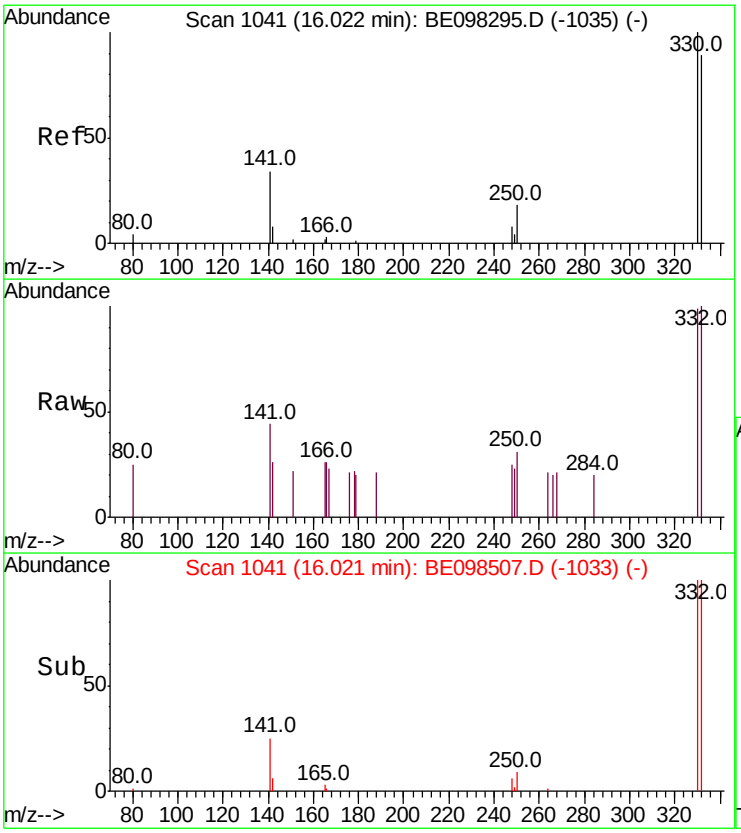
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 1898

Ion	Ratio	Lower	Upper
164	100		
162	101.1	77.6	116.4
160	55.4	36.0	54.0#

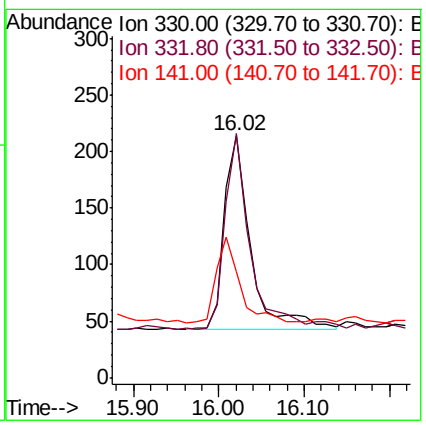


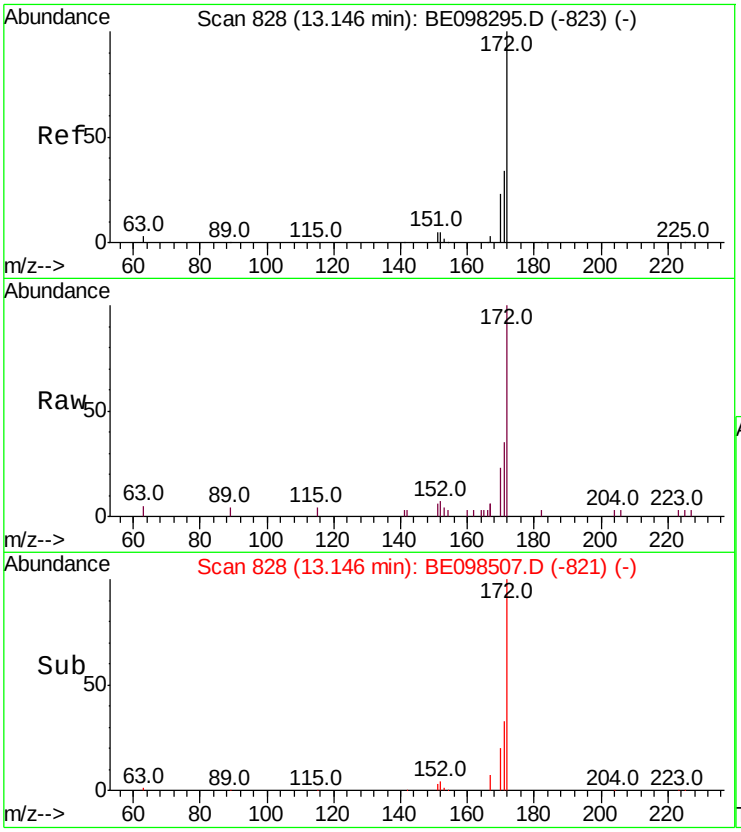


#14
2,4,6-Tribromophenol
Concen: 0.525 ng
RT: 16.02 min Scan# 1041
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:330 Resp: 366

Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.2	114.4
141	41.8	39.0	58.4



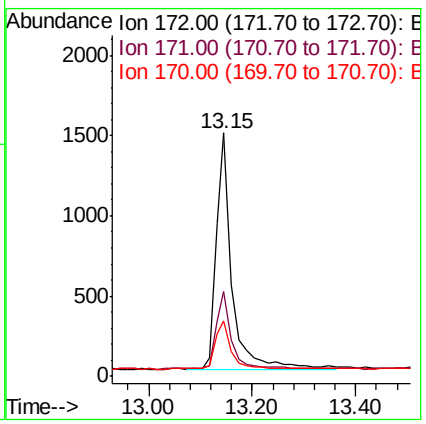


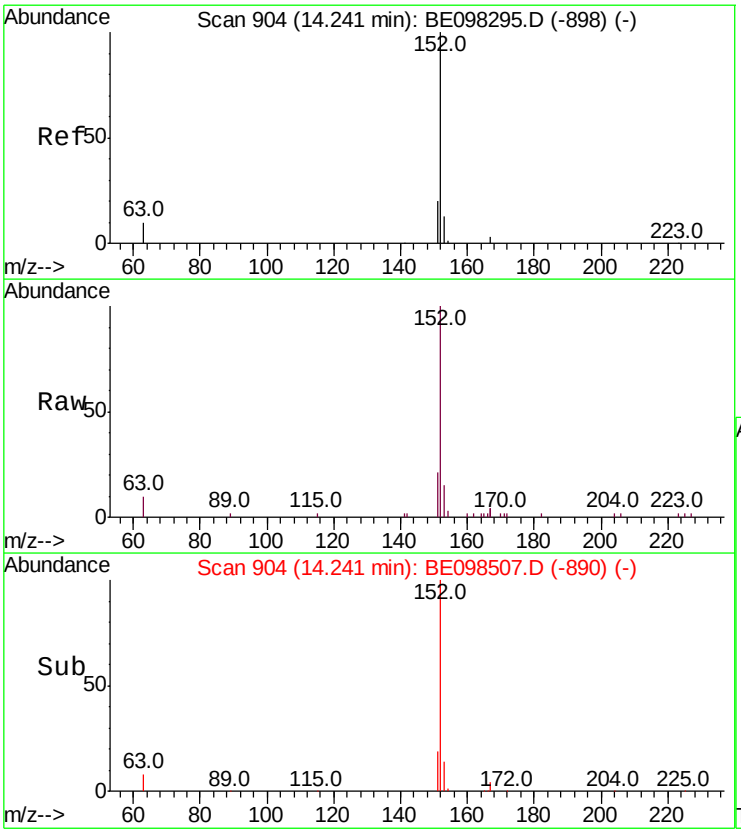
#15
2-Fluorobiphenyl
Concen: 0.391 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 3134

Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	23.0	19.6	29.4

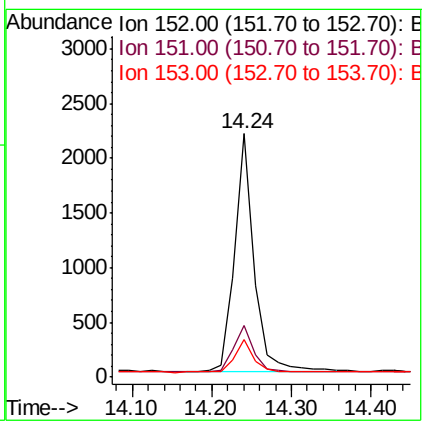


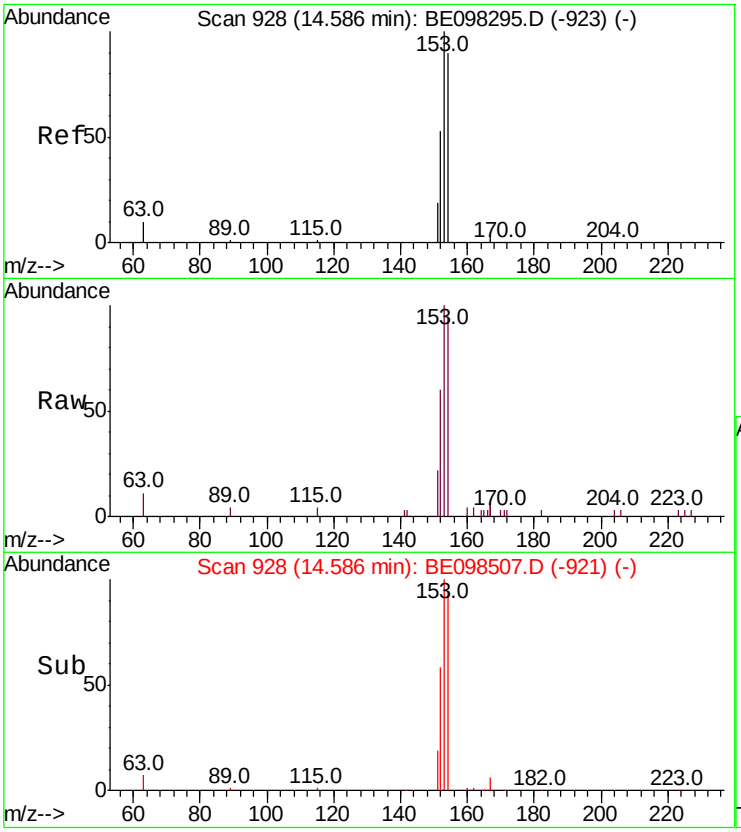


#16
Acenaphthylene
Concen: 0.414 ng
RT: 14.24 min Scan# 904
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:152 Resp: 3681

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.5	23.3
153	14.2	10.6	16.0



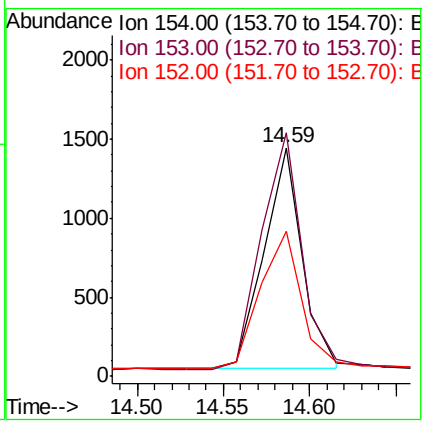


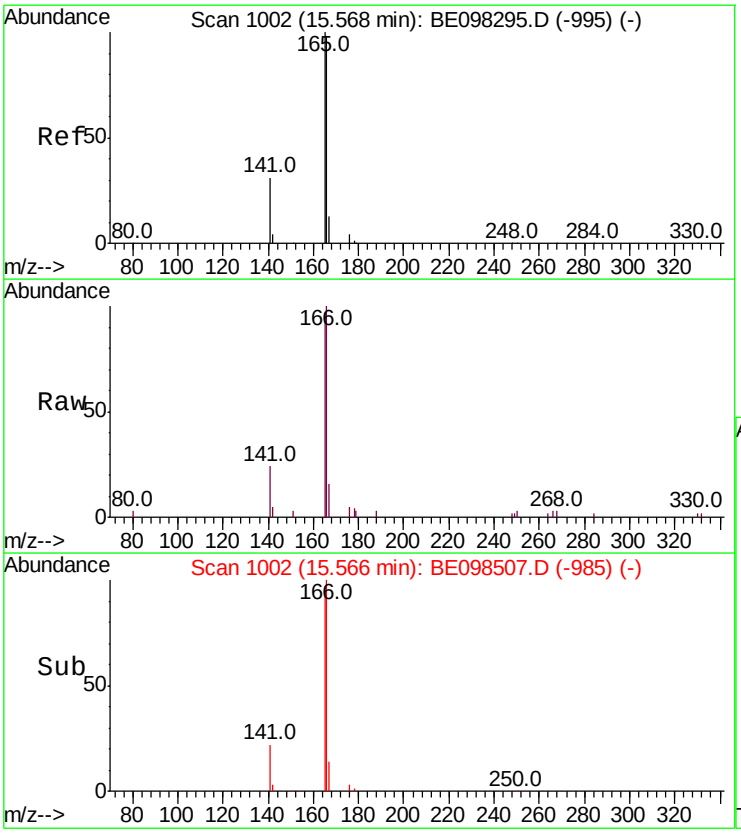
#17
Acenaphthene
Concen: 0.405 ng
RT: 14.59 min Scan# 928
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2164

Ion	Ratio	Lower	Upper
154	100		
153	113.0	91.8	137.6
152	66.4	45.5	68.3

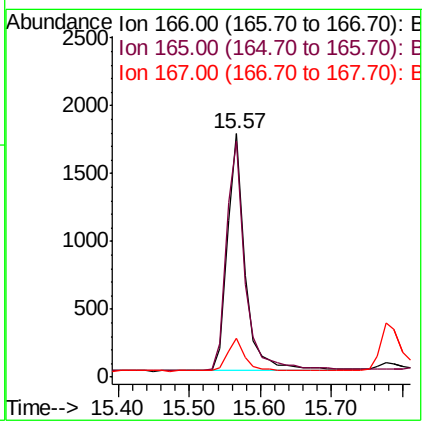


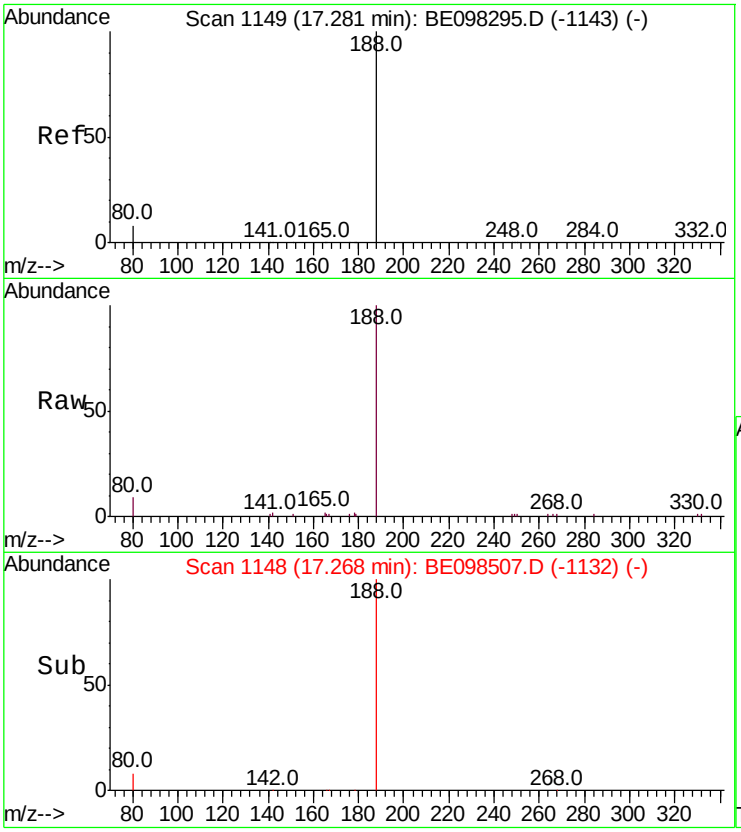


#18
Fluorene
Concen: 0.428 ng
RT: 15.57 min Scan# 1002
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:166 Resp: 3059

Ion	Ratio	Lower	Upper
166	100		
165	101.2	79.3	118.9
167	13.9	11.3	16.9



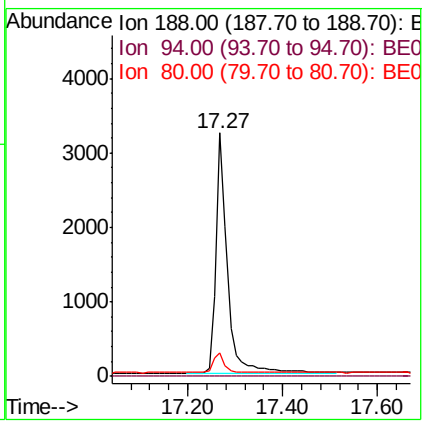


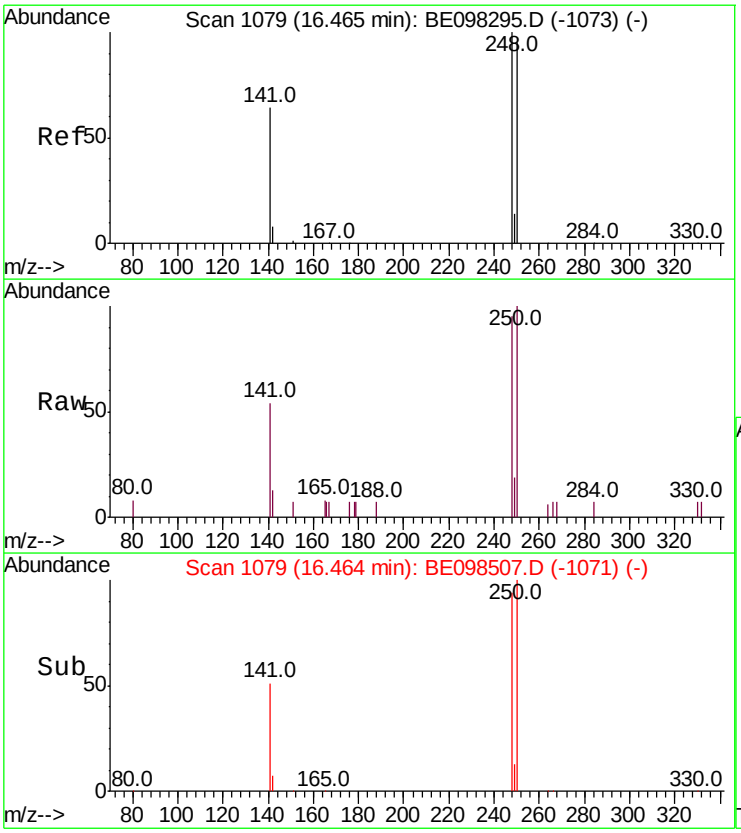
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 5566

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.2	10.8

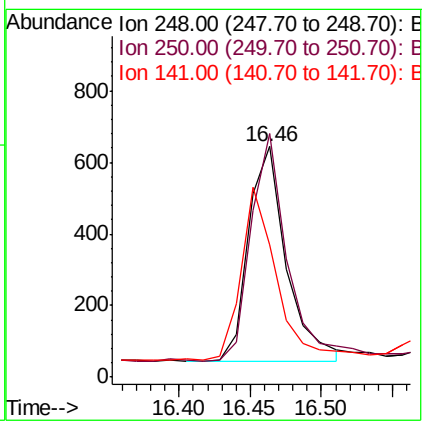


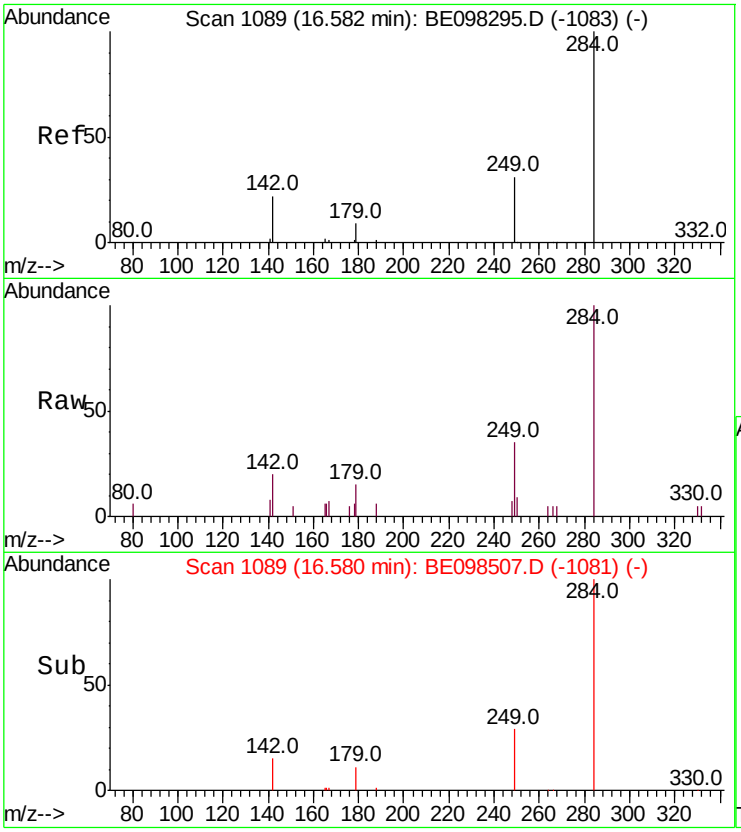


#20
4-Bromophenyl-phenylether
Concen: 0.369 ng
RT: 16.46 min Scan# 1079
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:248 Resp: 1106

Ion	Ratio	Lower	Upper
248	100		
250	105.6	71.0	106.6
141	57.5	62.1	93.1#



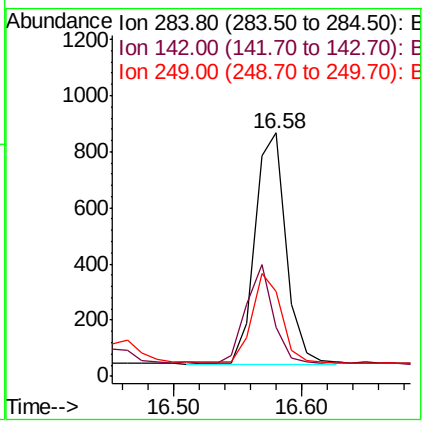


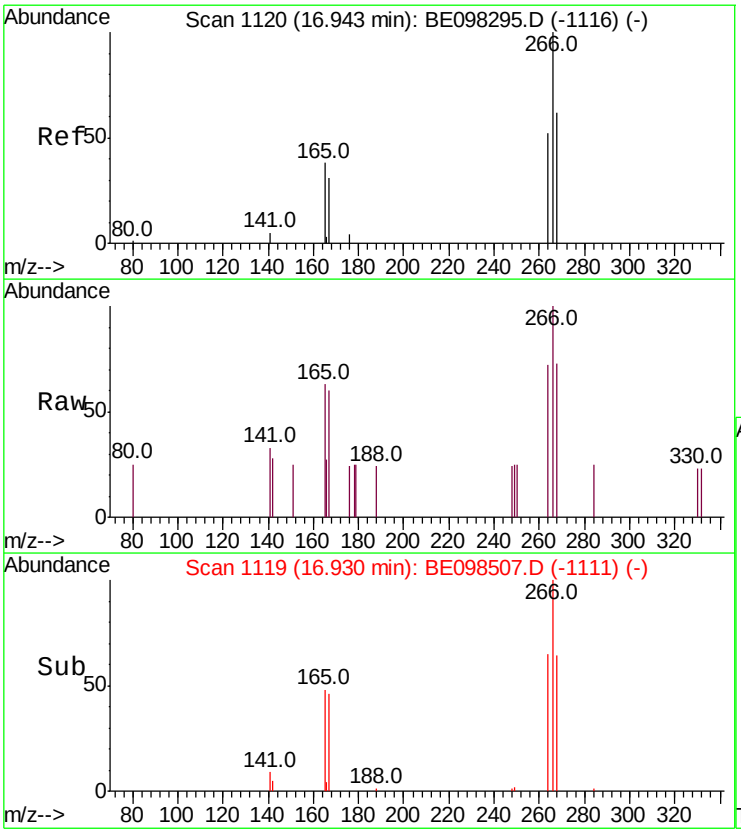
#21
Hexachlorobenzene
Concen: 0.432 ng
RT: 16.58 min Scan# 1089
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1392

Ion	Ratio	Lower	Upper
284	100		
142	37.4	26.3	39.5
249	36.2	26.0	39.0

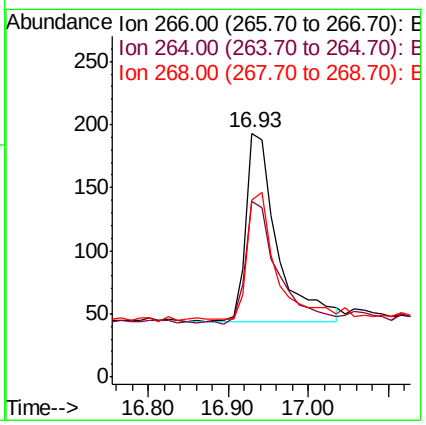


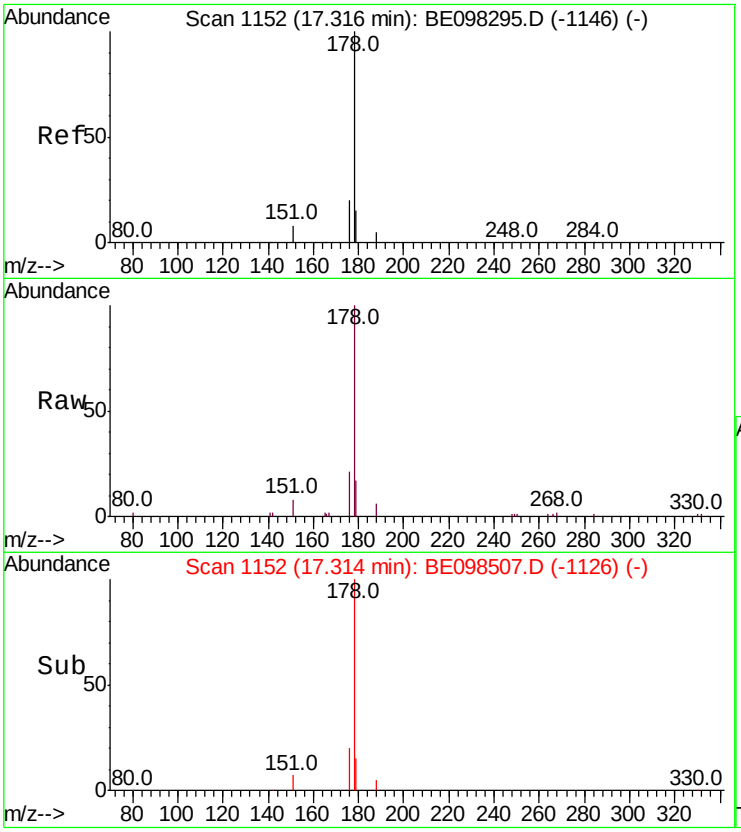


#22
Pentachlorophenol
Concen: 0.702 ng
RT: 16.93 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:266 Resp: 402

Ion	Ratio	Lower	Upper
266	100		
264	72.0	59.0	88.4
268	72.5	55.1	82.7



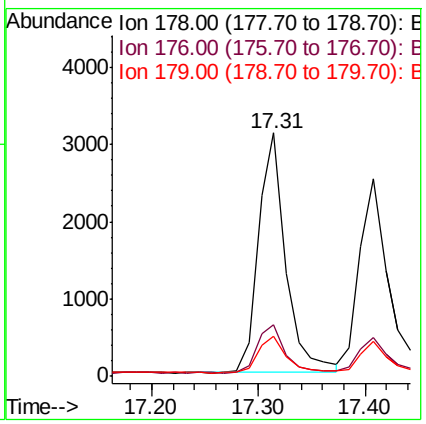


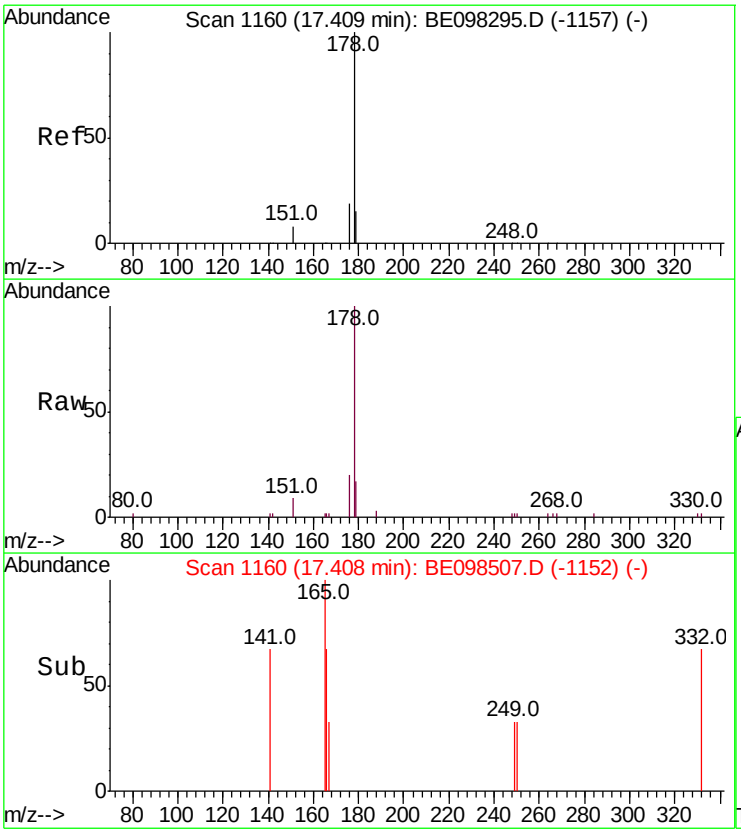
#23
Phenanthrene
Concen: 0.409 ng
RT: 17.31 min Scan# 1152
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 5537

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.9	23.9
179	15.5	12.3	18.5

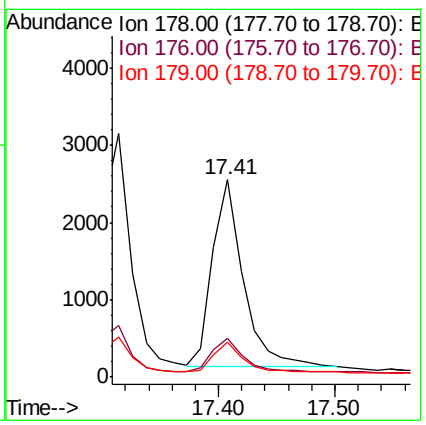


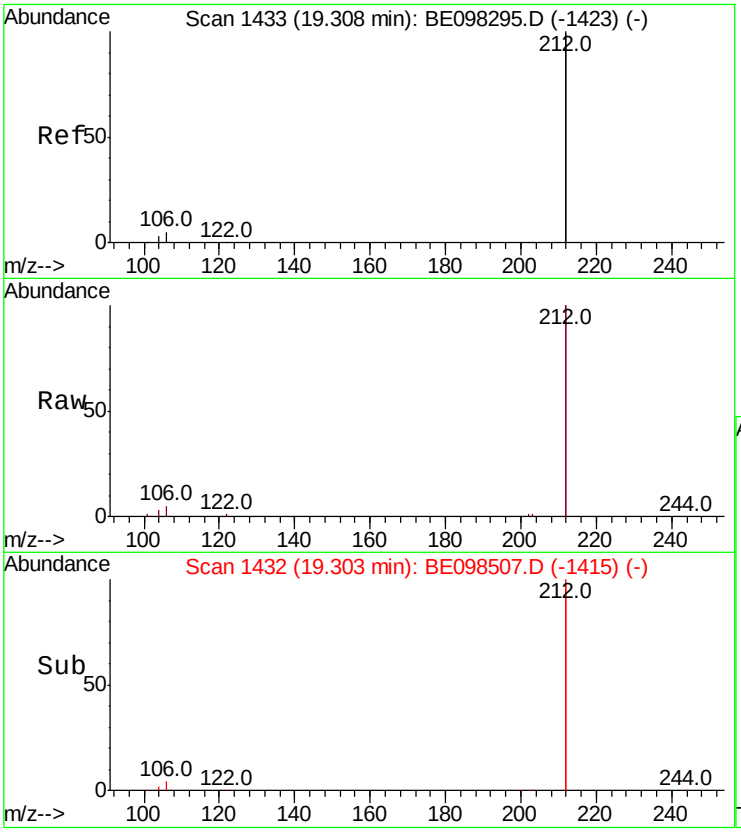


#24
Anthracene
Concen: 0.365 ng
RT: 17.41 min Scan# 1160
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:178 Resp: 4406

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.4
179	15.3	12.3	18.5



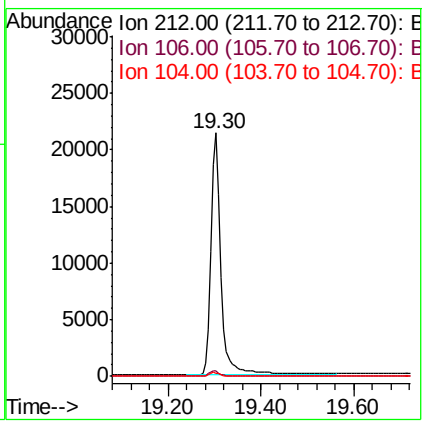


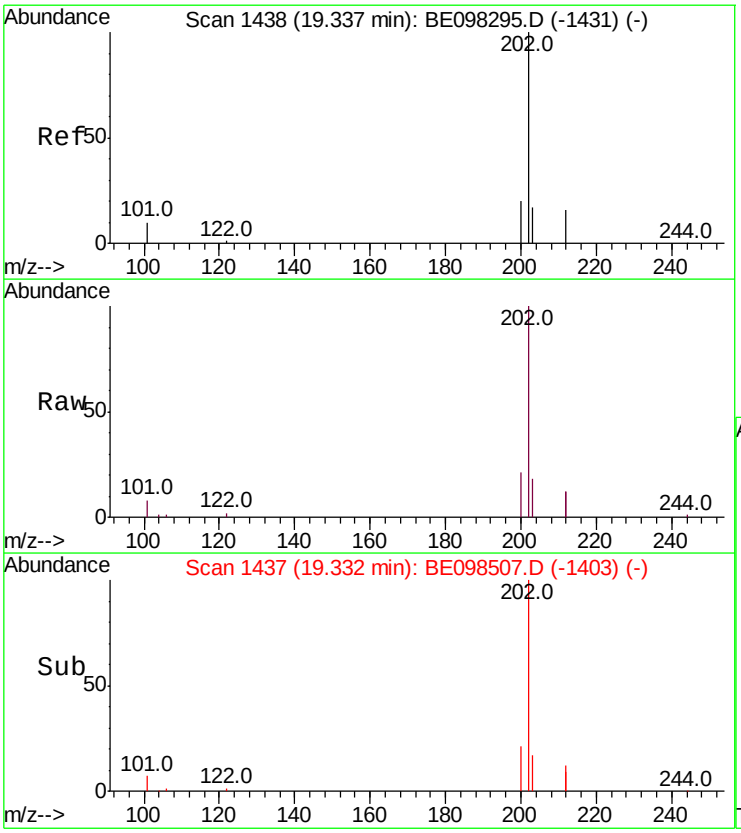
#25
Fluoranthene-d10
Concen: 0.454 ng
RT: 19.30 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 32449

Ion	Ratio	Lower	Upper
212	100		
106	2.3	2.2	3.2
104	1.3	1.3	1.9

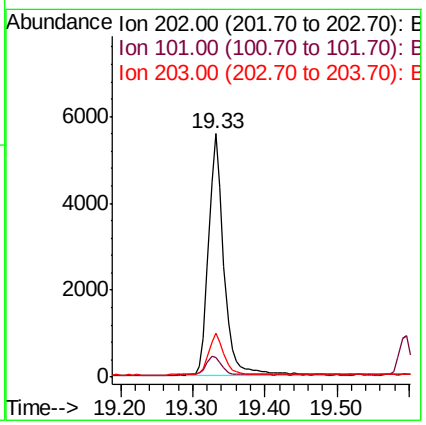


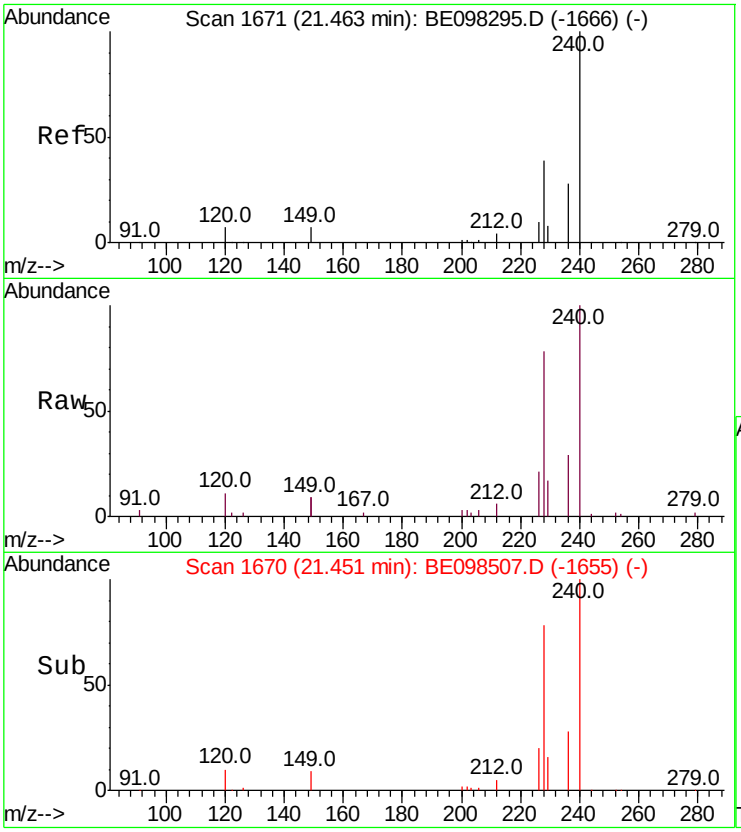


#26
Fluoranthene
Concen: 0.459 ng
RT: 19.33 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:202 Resp: 8213

Ion	Ratio	Lower	Upper
202	100		
101	8.1	8.0	12.0
203	16.8	13.8	20.6



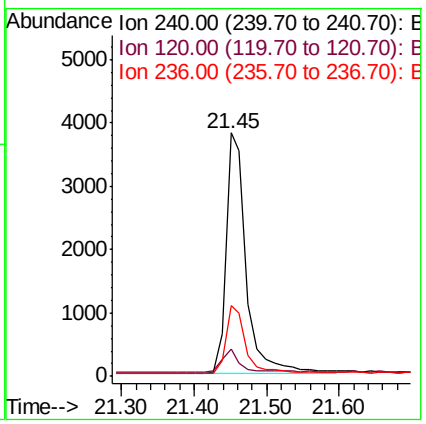


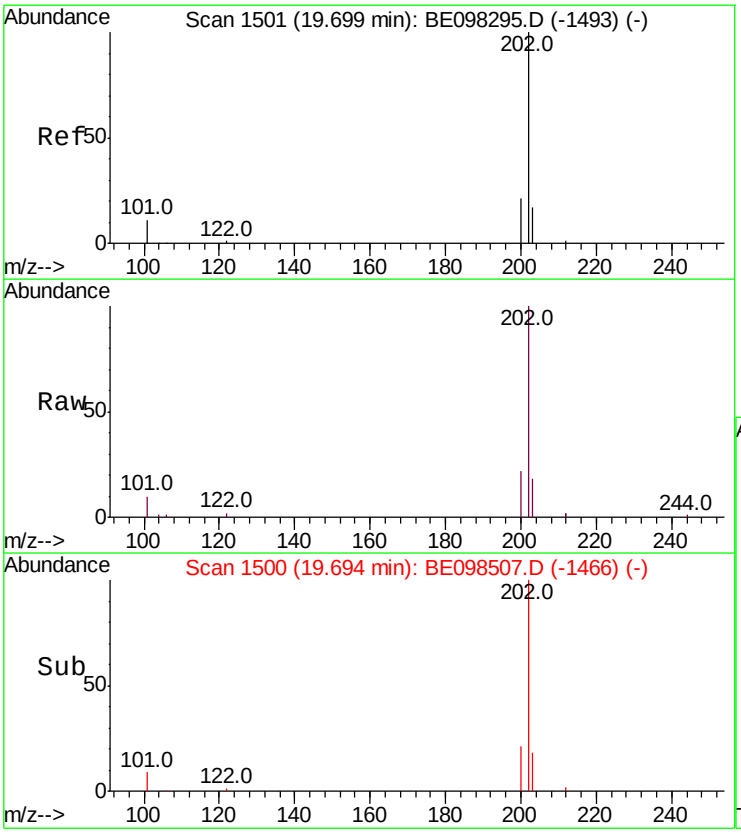
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 7457

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.5	14.3
236	29.1	22.7	34.1

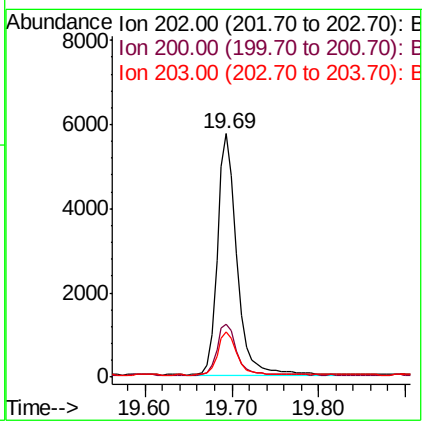


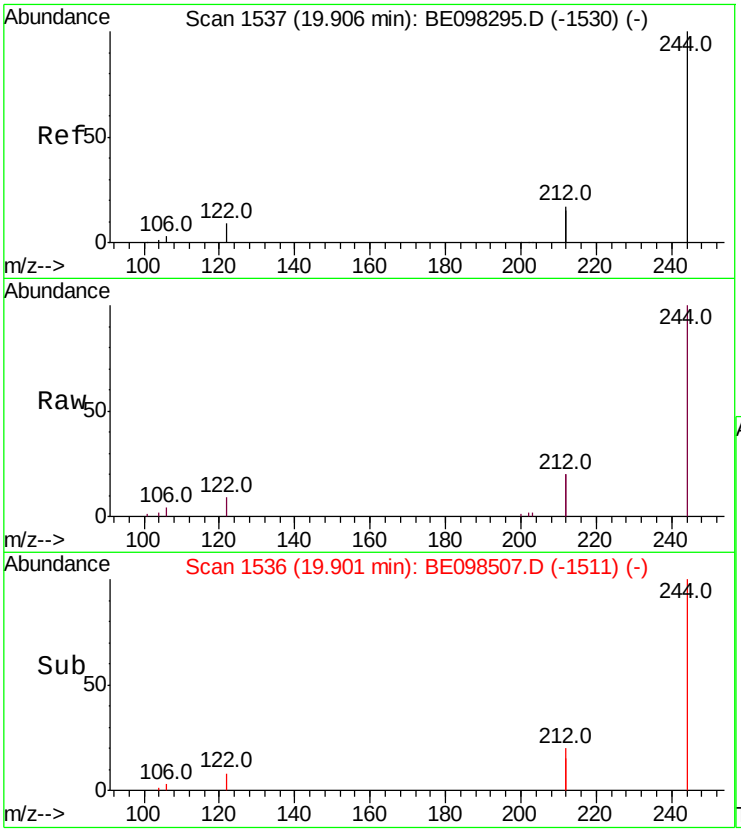


#28
Pyrene
Concen: 0.383 ng
RT: 19.69 min Scan# 1500
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:202 Resp: 8962

Ion	Ratio	Lower	Upper
202	100		
200	21.8	16.7	25.1
203	17.8	14.1	21.1



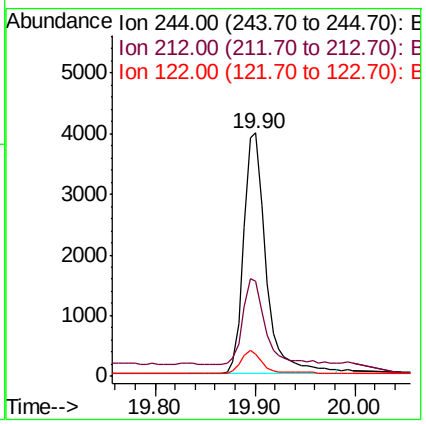


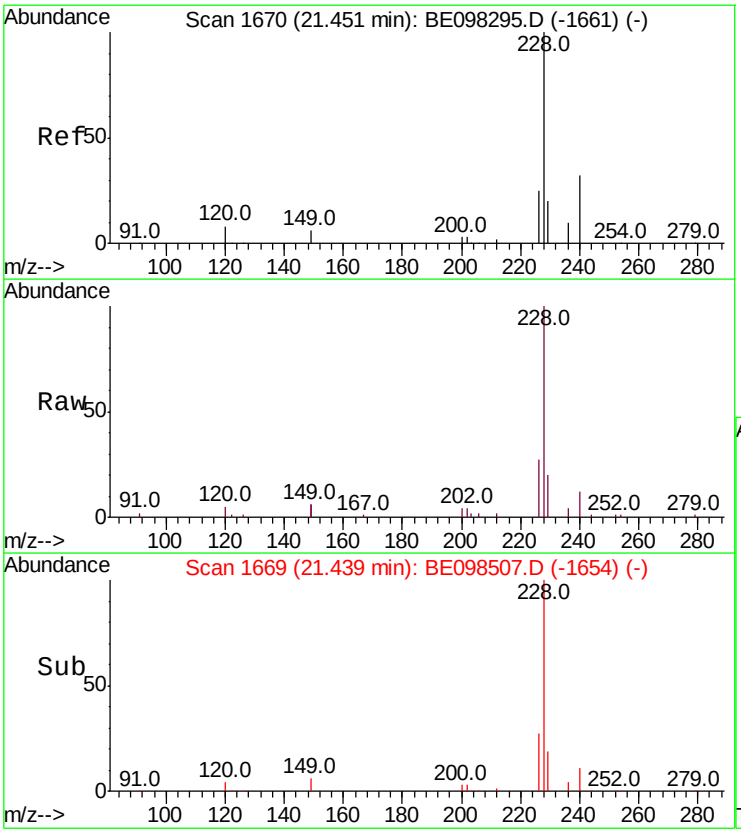
#29
Terphenyl-d14
Concen: 0.342 ng
RT: 19.90 min Scan# 1536
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 6198

Ion	Ratio	Lower	Upper
244	100		
212	39.3	27.4	41.0
122	8.9	8.3	12.5

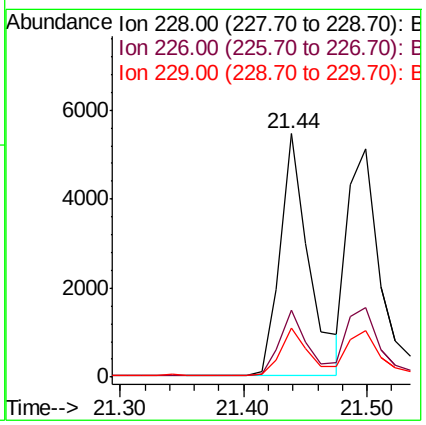


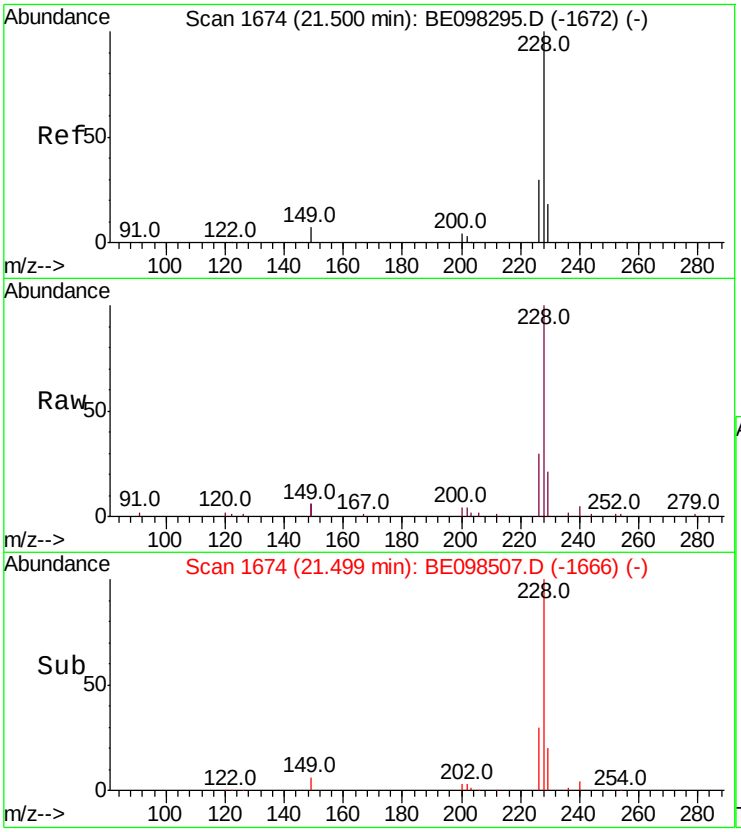


#30
Benzo(a)anthracene
Concen: 0.420 ng
RT: 21.44 min Scan# 1669
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:228 Resp: 8917

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.8	32.8
229	19.9	16.3	24.5



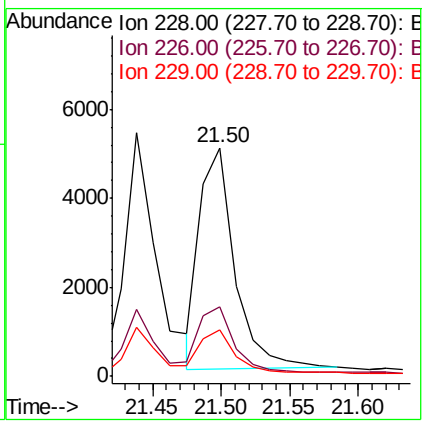


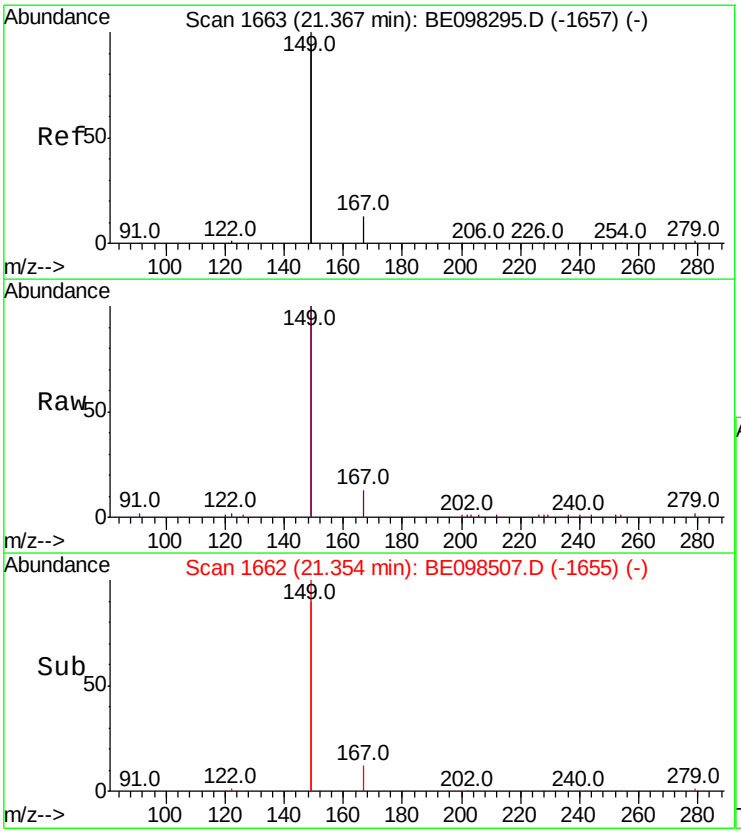
#31
Chrysene
Concen: 0.398 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 8860

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.4	35.0
229	20.6	16.2	24.4

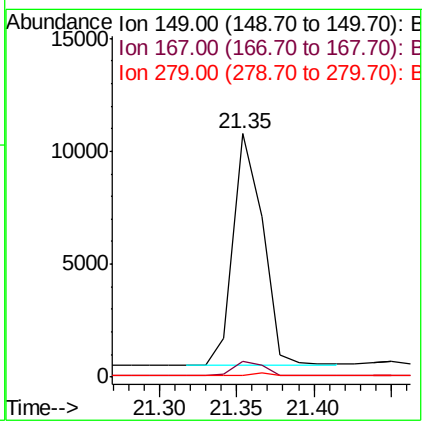


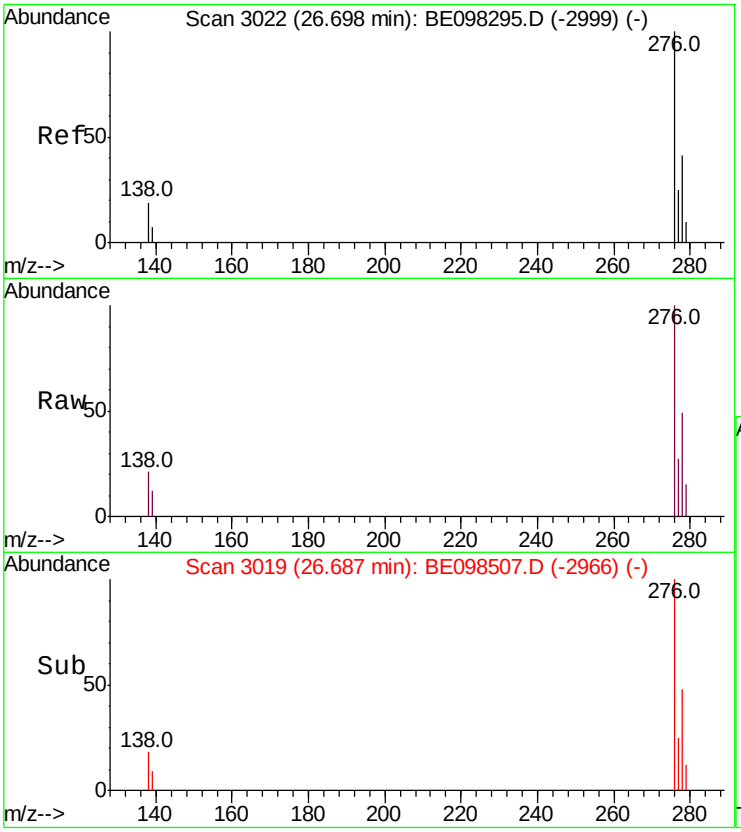


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.319 ng
RT: 21.35 min Scan# 1662
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:149 Resp: 13750

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.7	8.5
279	1.1	1.0	1.4



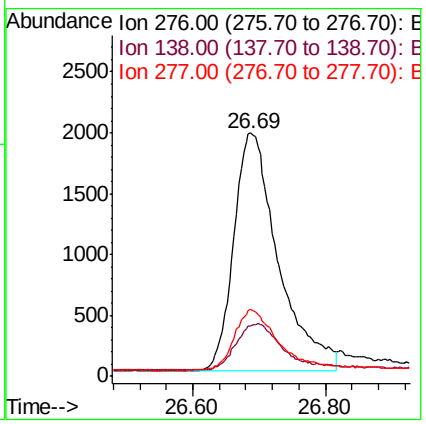


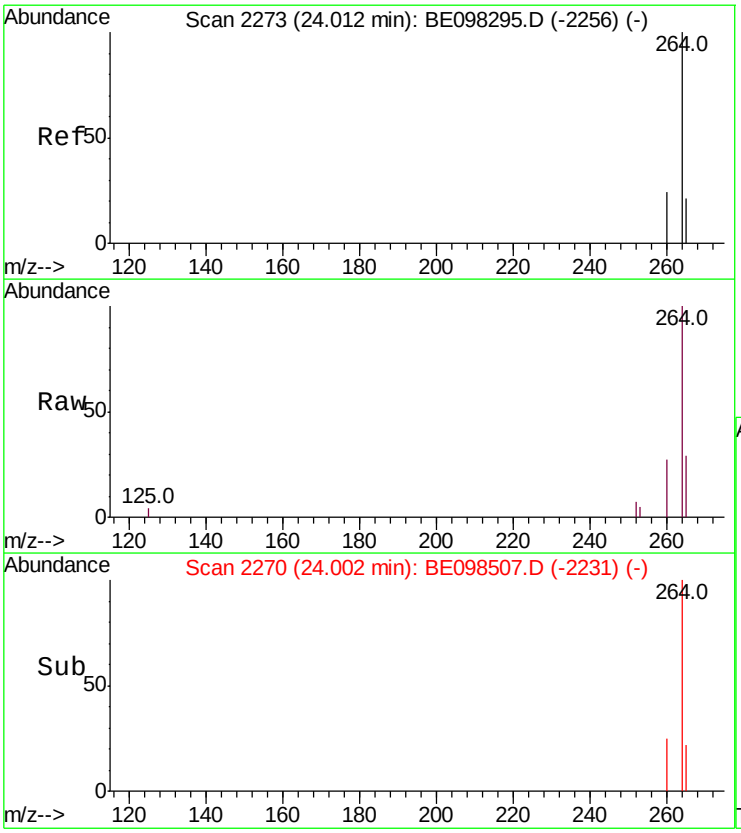
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.411 ng
RT: 26.69 min Scan# 3019
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 9108

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.3	24.5
277	25.8	20.2	30.4

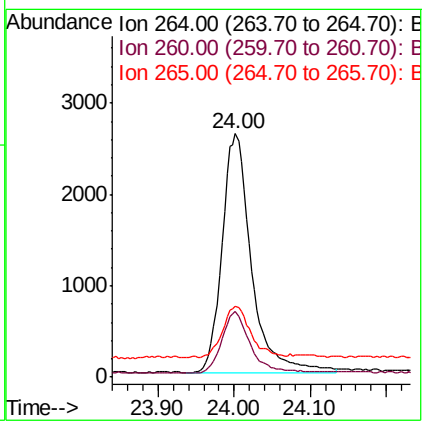


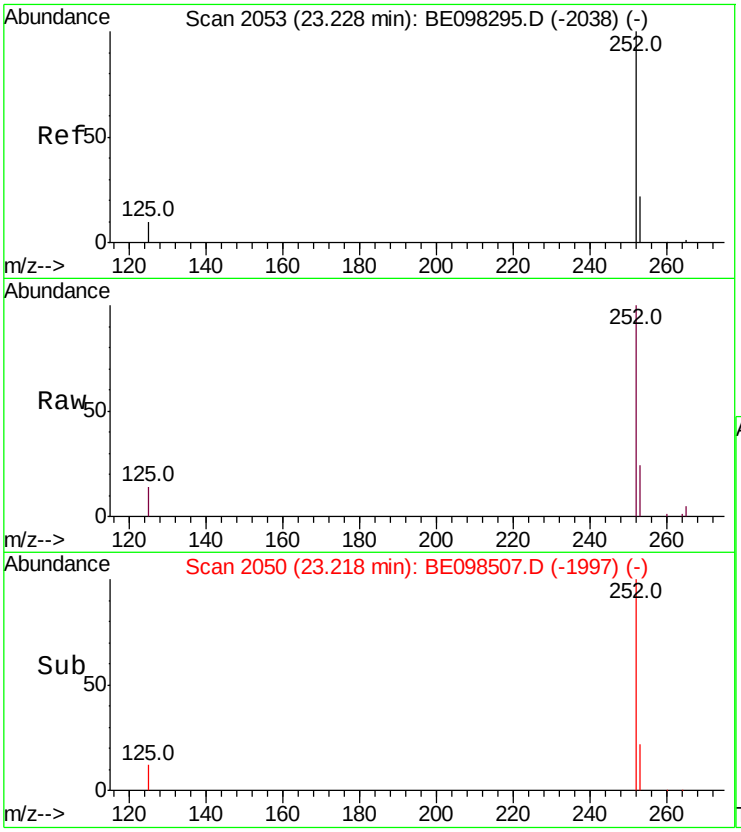


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:264 Resp: 6977

Ion	Ratio	Lower	Upper
264	100		
260	26.7	20.2	30.2
265	28.9	25.2	37.8



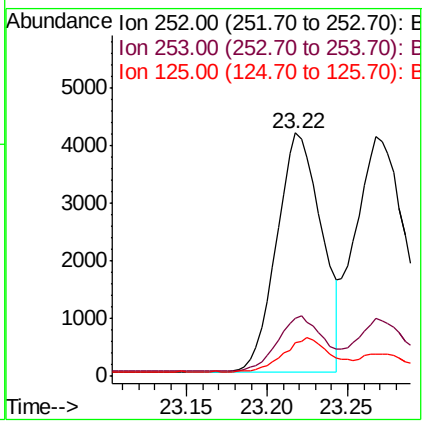


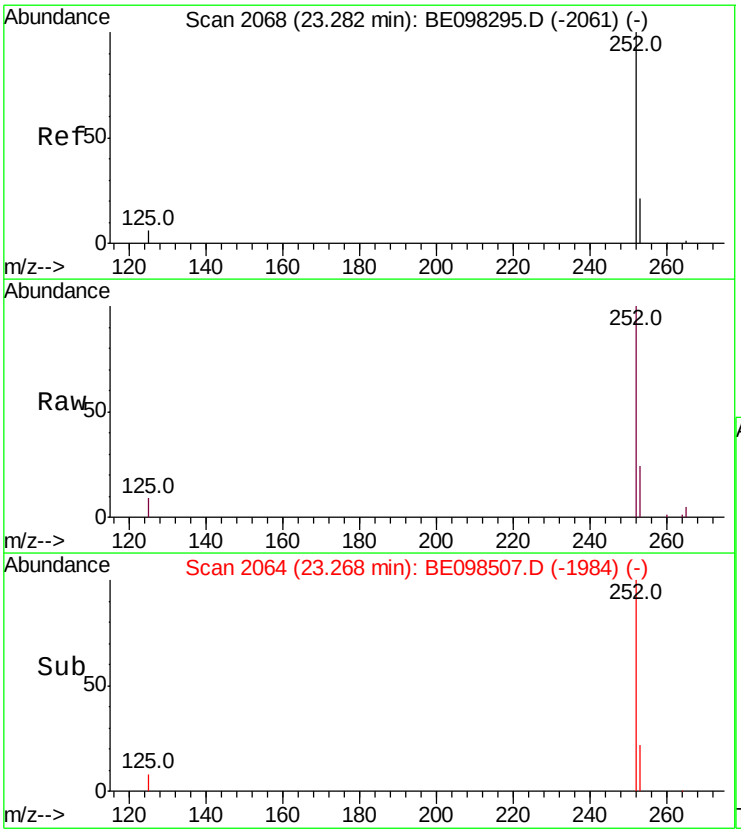
#35
Benzo(b)fluoranthene
Concen: 0.422 ng
RT: 23.22 min Scan# 2050
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 8060

Ion	Ratio	Lower	Upper
252	100		
253	23.9	20.0	30.0
125	13.8	9.6	14.4

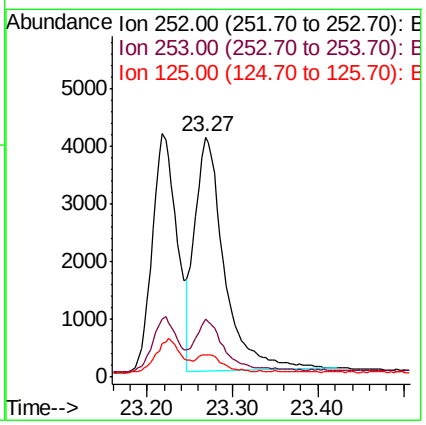


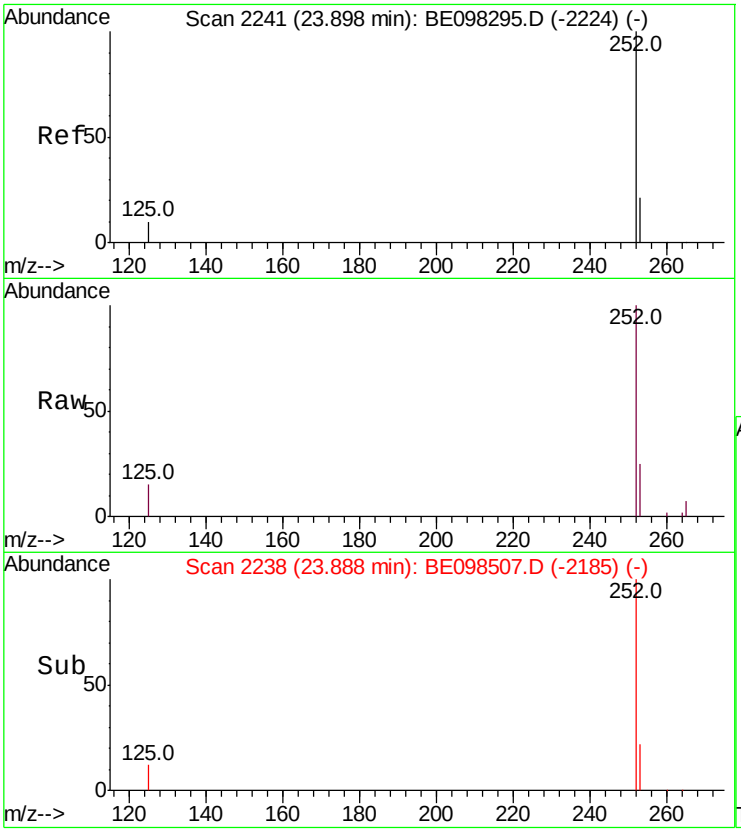


#36
Benzo(k)fluoranthene
Concen: 0.438 ng
RT: 23.27 min Scan# 2064
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:252 Resp: 9729

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	9.5	9.1	13.7



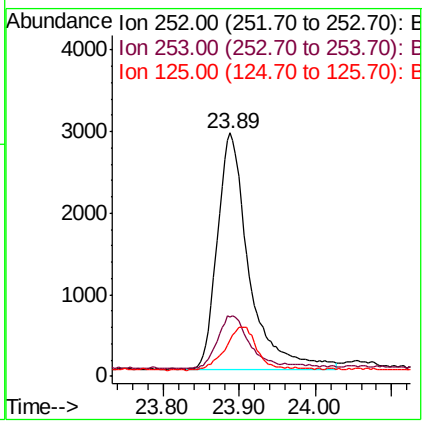


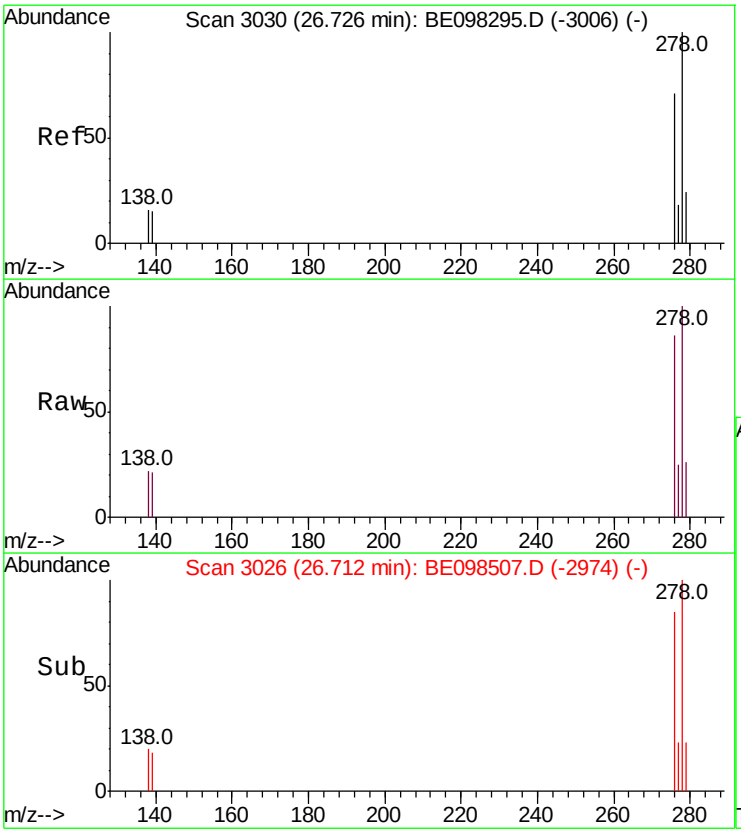
#37
Benzo(a)pyrene
Concen: 0.425 ng
RT: 23.89 min Scan# 2238
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 8375

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.6	30.8
125	14.7	10.5	15.7

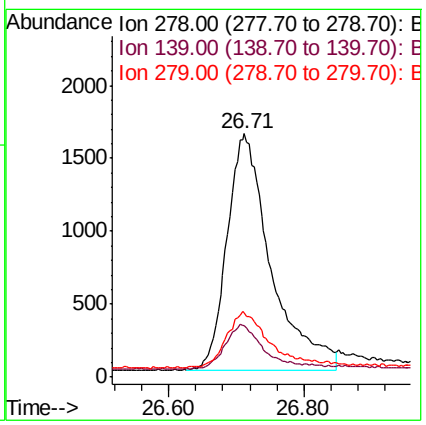


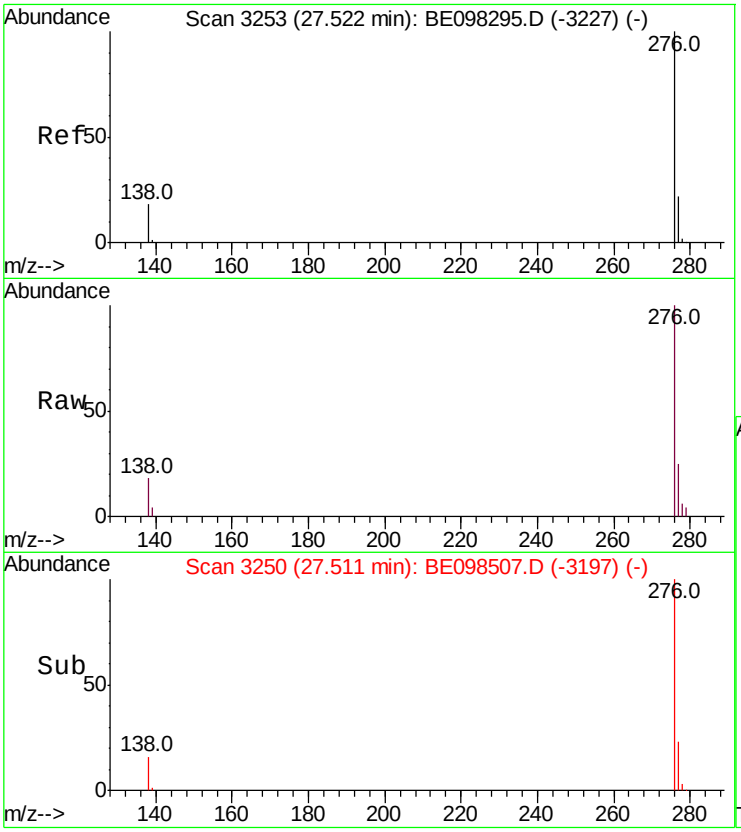


#38
Dibenzo(a,h)anthracene
Concen: 0.395 ng
RT: 26.71 min Scan# 3026
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Tgt Ion:278 Resp: 7325

Ion	Ratio	Lower	Upper
278	100		
139	21.0	14.5	21.7
279	26.5	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.433 ng
RT: 27.51 min Scan# 3250
Delta R.T. -0.01 min
Lab File: BE098507.D
Acq: 16 Dec 2018 15:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 8088

Ion	Ratio	Lower	Upper
276	100		
277	24.7	20.8	31.2
138	18.0	15.8	23.6