Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121518\
Data File : BE098485.D
Acq On : 15 Dec 2018 23:09
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Dec 16 02:35:49 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	710	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	3017	0.40	ng		-0.01
13) Acenaphthene-d10	14.53	164	1942	0.40	ng		0.00
19) Phenanthrene-d10	17.27	188	5184	0.40	ng		-0.01
27) Chrysene-d12	21.46	240	5942	0.40	ng		0.00
34) Perylene-d12	24.00	264	5631	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.45	112	753	0.45	ng		0.00
5) Phenol-d6	7.05	99	980	0.42	ng		0.00
8) Nitrobenzene-d5	9.03	82	998	0.36	ng		0.01
11) 2-Methylnaphthalene-d10	12.27	152	1990	0.41	ng		0.00
14) 2,4,6-Tribromophenol	16.02	330	282	0.40	ng		0.00
15) 2-Fluorobiphenyl	13.15	172	3298	0.40	ng		0.00
25) Fluoranthene-d10	19.30	212	27242	0.41	ng		0.00
29) Terphenyl-d14	19.91	244	4787	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	427	0.348	ng	#	86
3) n-Nitrosodimethylamine	3.70	42	244	0.221	ng	#	100
6) bis(2-Chloroethyl)ether	7.30	93	785	0.351	ng		71
9) Naphthalene	10.71	128	12592	0.415	ng		99
10) Hexachlorobutadiene	10.99	225	903	0.467	ng		99
12) 2-Methylnaphthalene	12.34	142	1917	0.389	ng		94
16) Acenaphthylene	14.24	152	3814	0.419	ng		99
17) Acenaphthene	14.59	154	2207	0.404	ng		94
18) Fluorene	15.57	166	3043	0.416	ng		99
20) 4-Bromophenyl-phenylether	16.46	248	1041	0.373	ng	#	84
21) Hexachlorobenzene	16.58	284	1310	0.437	ng		95
22) Pentachlorophenol	16.95	266	175	0.368	ng		88
23) Phenanthrene	17.32	178	5079	0.403	ng		99
24) Anthracene	17.41	178	3856	0.343	ng		99
26) Fluoranthene	19.33	202	6915	0.415	ng		98
28) Pyrene	19.70	202	6992	0.375	ng		99
30) Benzo(a)anthracene	21.44	228	6367	0.376	ng		98
31) Chrysene	21.50	228	7093	0.400	ng		97
32) Bis(2-ethylhexyl)phthalate	21.35	149	9012	0.262	ng		100
33) Indeno(1,2,3-cd)pyrene	26.70	276	6566	0.372	ng		99
35) Benzo(b)fluoranthene	23.22	252	6066	0.394	ng		99
36) Benzo(k)fluoranthene	23.28	252	7940	0.443	ng		99
37) Benzo(a)pyrene	23.89	252	6447	0.406	ng		99
38) Dibenzo(a,h)anthracene	26.73	278	5162	0.345	ng		97
39) Benzo(g,h,i)perylene	27.50	276	2158	0.143	ng		98

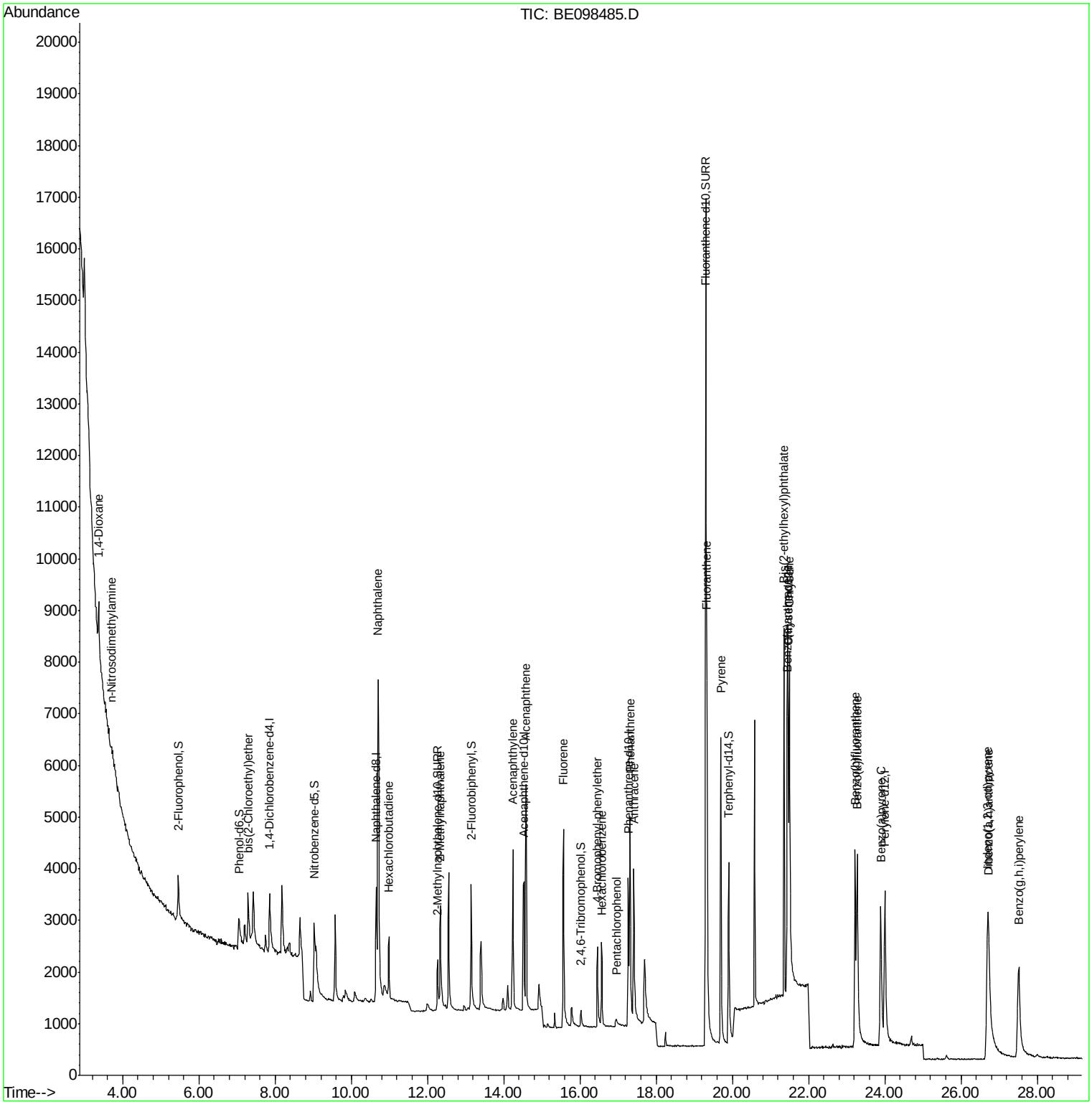
(#) = qualifier out of range (m) = manual integration (+) = signals summed

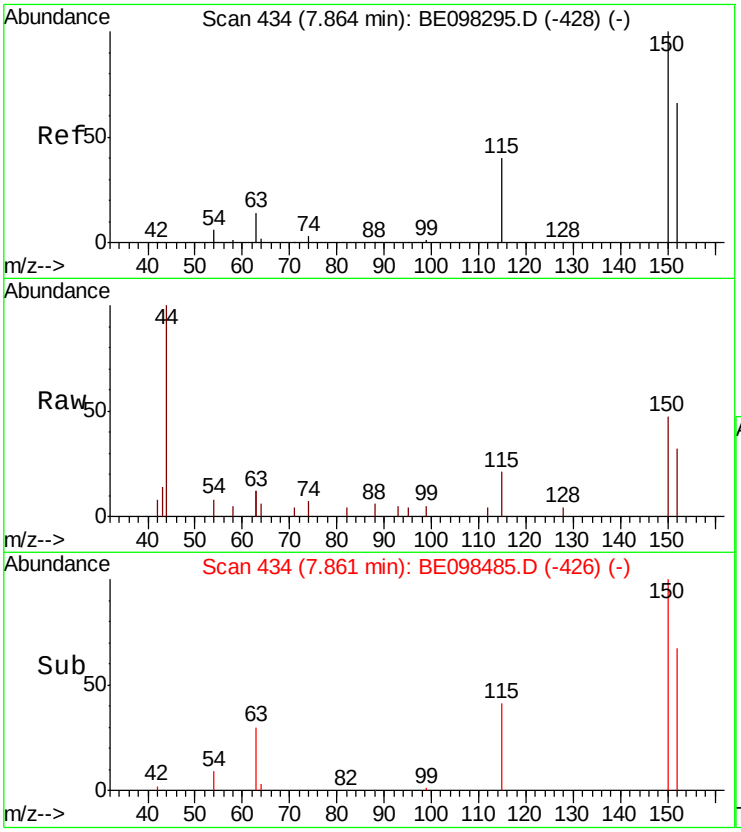
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE121518\
Data File : BE098485.D
Acq On : 15 Dec 2018 23:09
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Dec 16 02:35:49 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



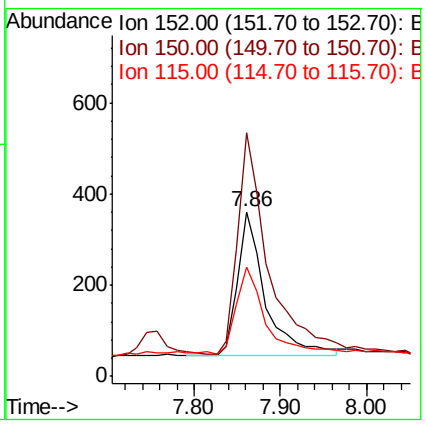


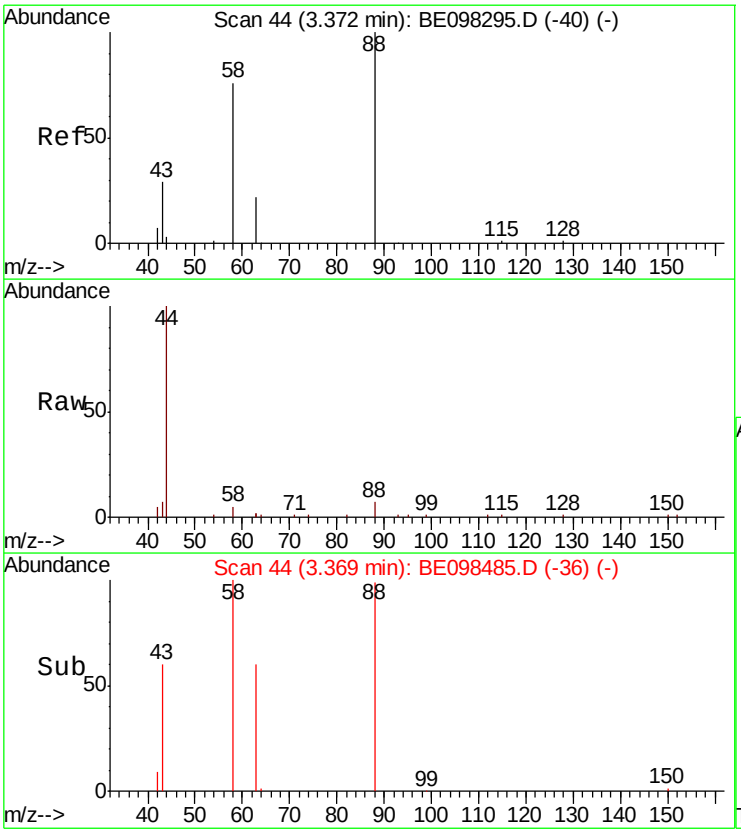
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 710

Ion	Ratio	Lower	Upper
152	100		
150	147.9	124.2	186.4
115	66.8	53.9	80.9

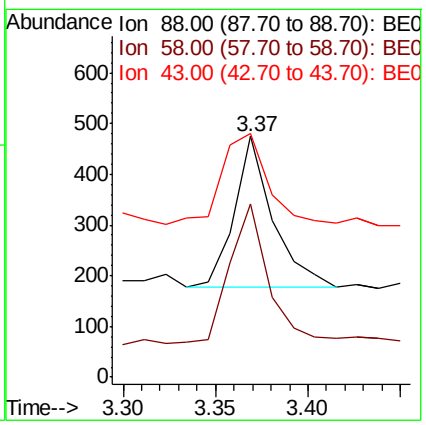


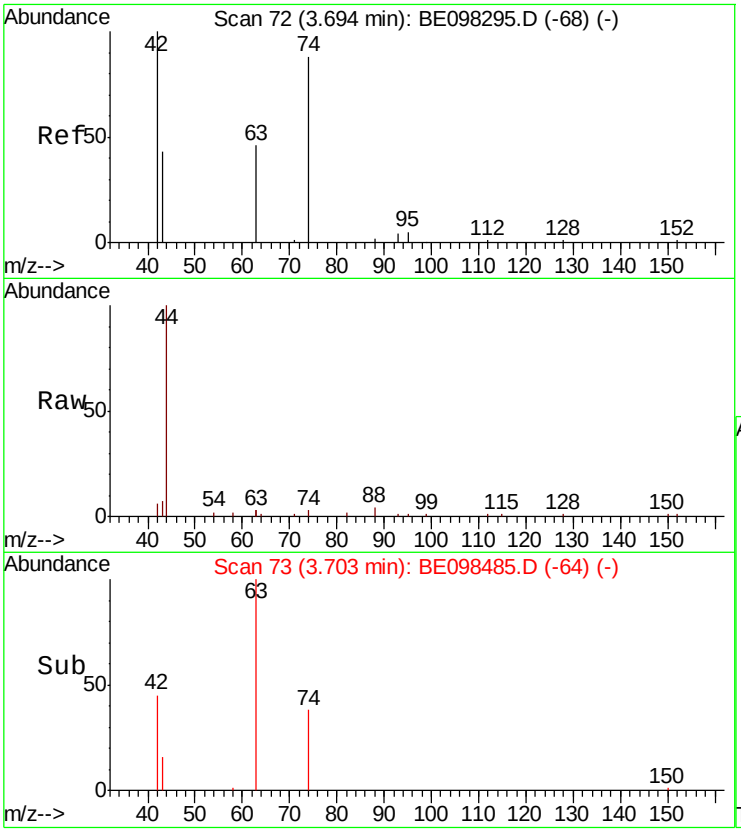


#2
1,4-Dioxane
Concen: 0.348 ng
RT: 3.37 min Scan# 44
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion: 88 Resp: 427

Ion	Ratio	Lower	Upper
88	100		
58	95.1	75.0	112.6
43	73.3	38.3	57.5#



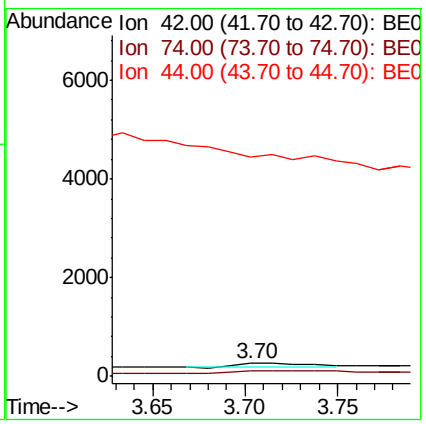


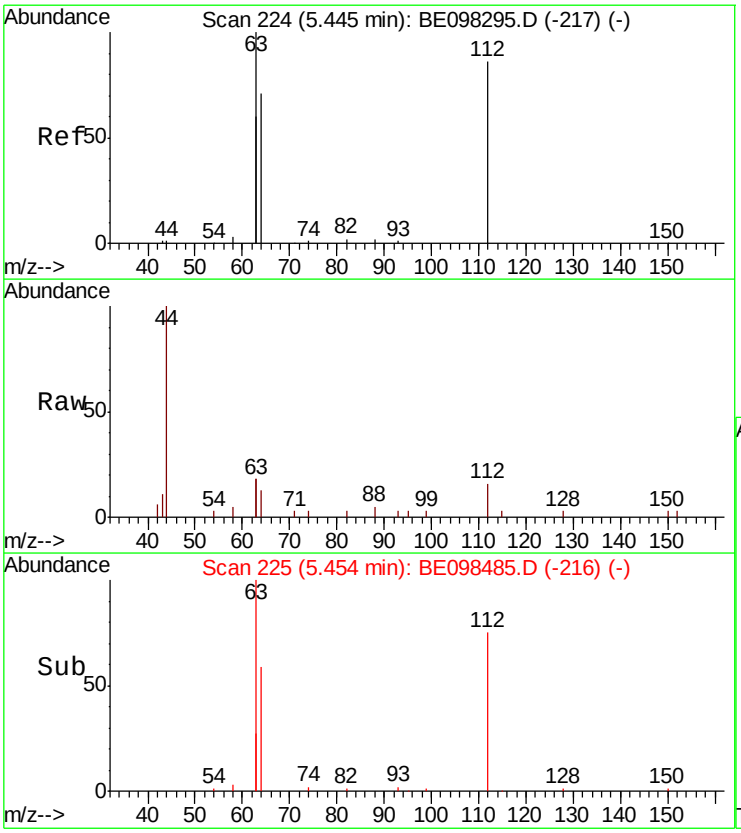
#3
n-Nitrosodimethylamine
Concen: 0.221 ng
RT: 3.70 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 244

Ion	Ratio	Lower	Upper
42	100		
74	75.4	0.0	0.0#
44	0.0	0.0	0.0

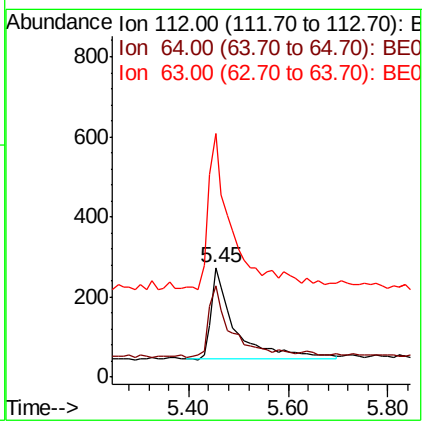


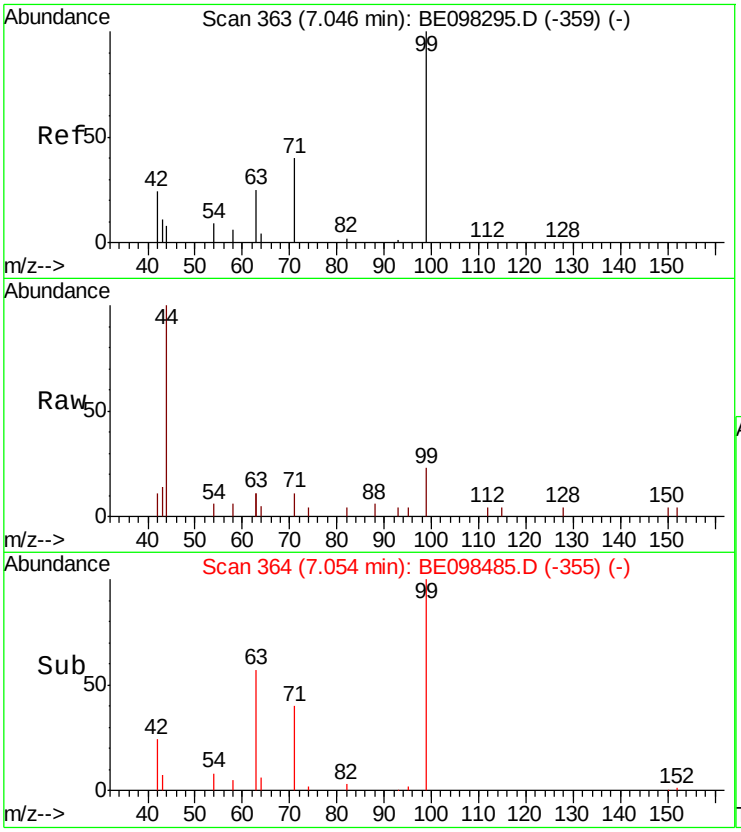


#4
2-Fluorophenol
Concen: 0.453 ng
RT: 5.45 min Scan# 225
Delta R.T. 0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:112 Resp: 753

Ion	Ratio	Lower	Upper
112	100		
64	70.0	59.8	89.8
63	149.4	133.7	200.5



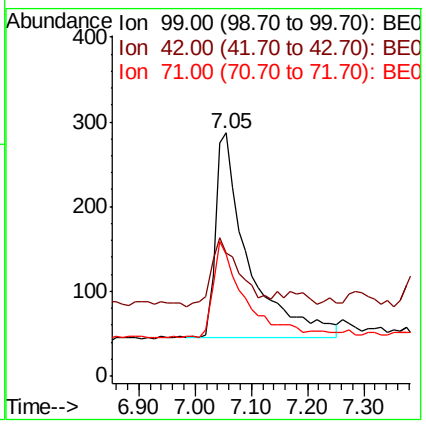


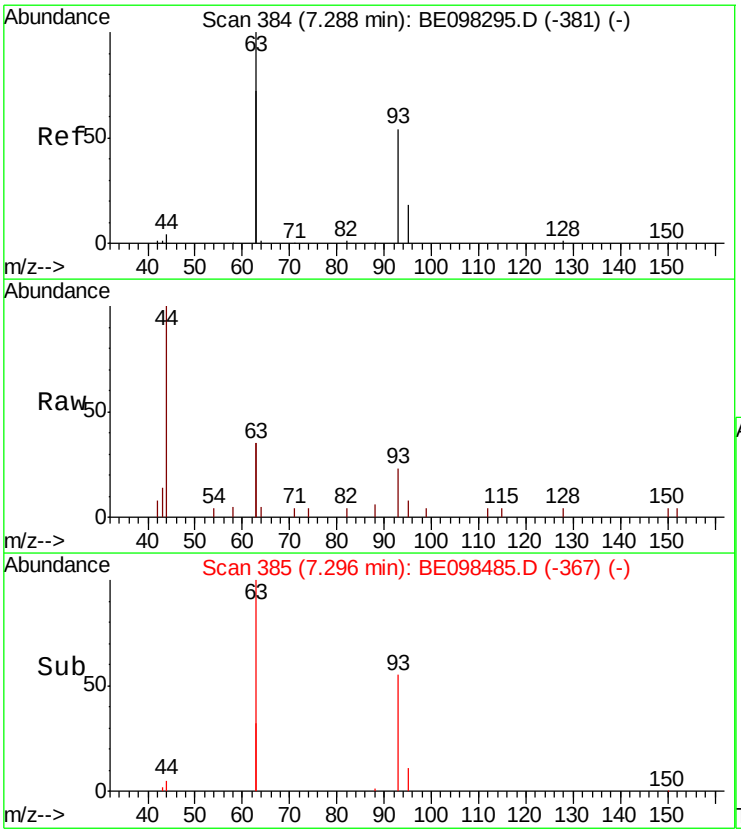
#5
Phenol-d6
Concen: 0.416 ng
RT: 7.05 min Scan# 364
Delta R.T. 0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 980

Ion	Ratio	Lower	Upper
99	100		
42	29.7	26.3	39.5
71	45.2	33.6	50.4

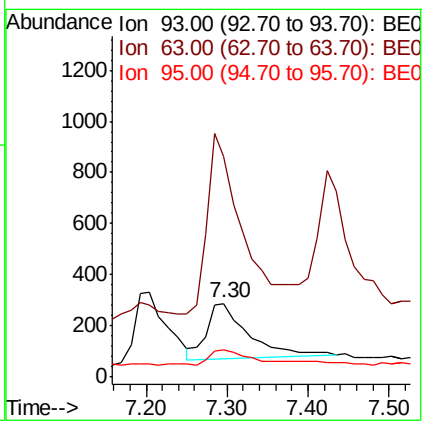


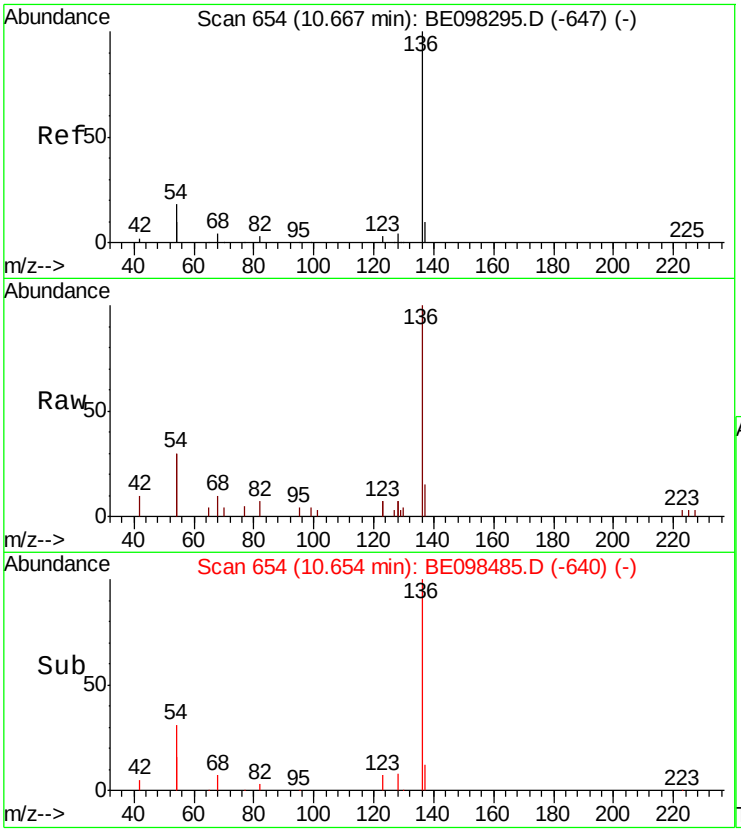


#6
bis(2-Chloroethyl)ether
Concen: 0.351 ng
RT: 7.30 min Scan# 385
Delta R.T. 0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion: 93 Resp: 785

Ion	Ratio	Lower	Upper
93	100		
63	265.9	264.4	396.6
95	28.8	26.6	40.0



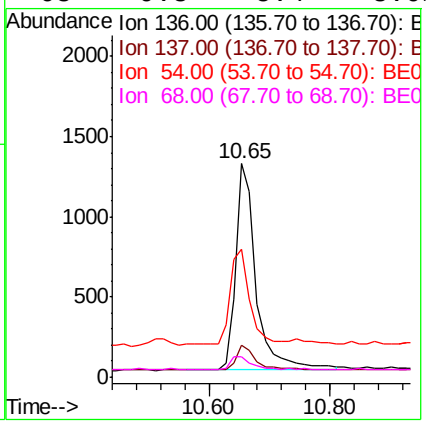


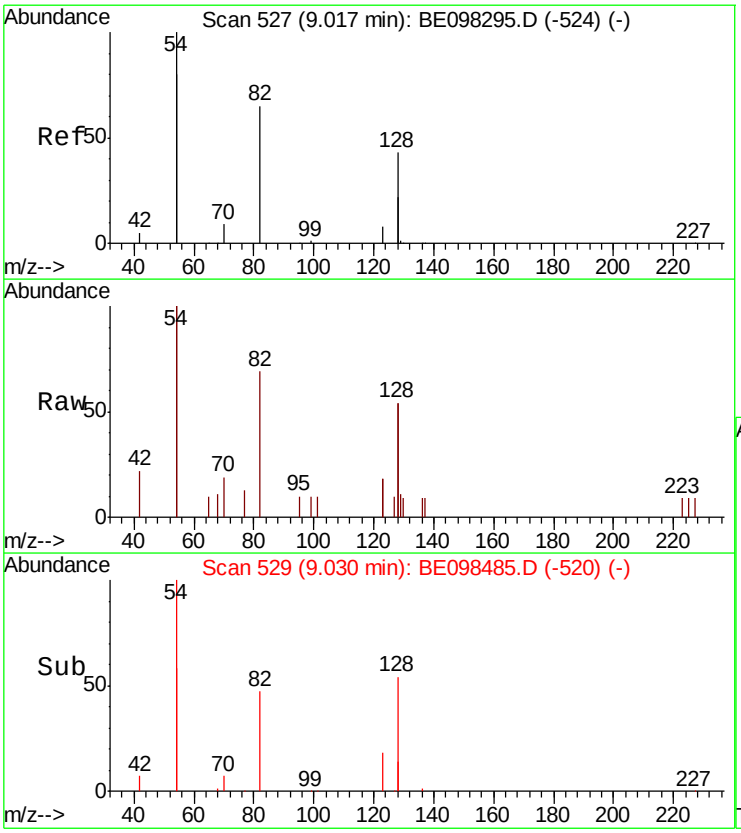
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 654
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 3017

Ion	Ratio	Lower	Upper
136	100		
137	14.7	9.2	13.8#
54	59.7	28.4	42.6#
68	9.8	5.4	8.0#

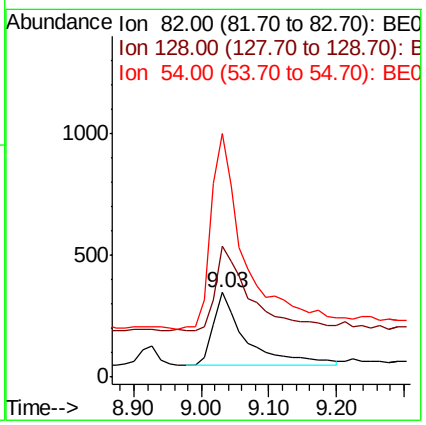


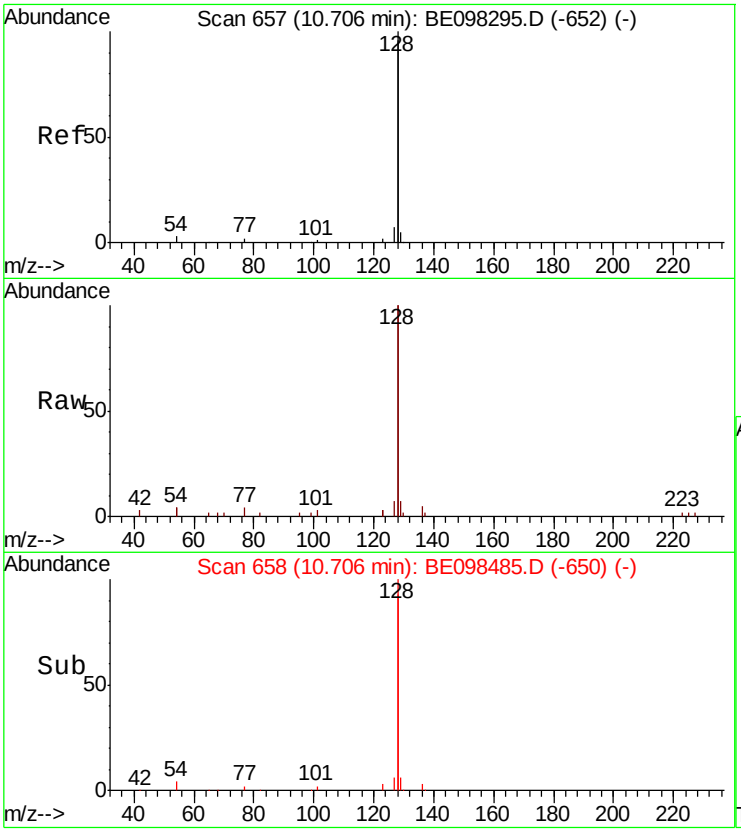


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 9.03 min Scan# 529
Delta R.T. 0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion: 82 Resp: 998

Ion	Ratio	Lower	Upper
82	100		
128	155.5	102.4	153.6#
54	288.4	221.8	332.8



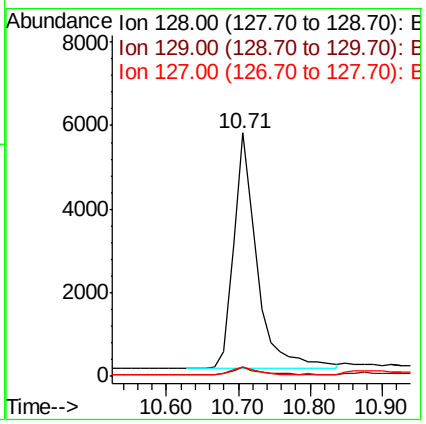


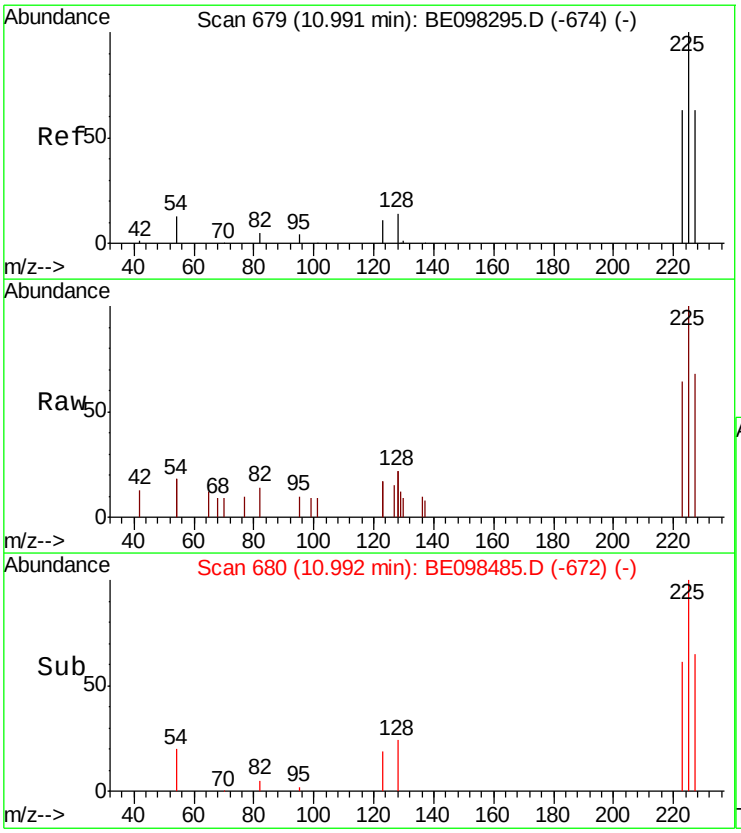
#9
Naphthalene
Concen: 0.415 ng
RT: 10.71 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 12592

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

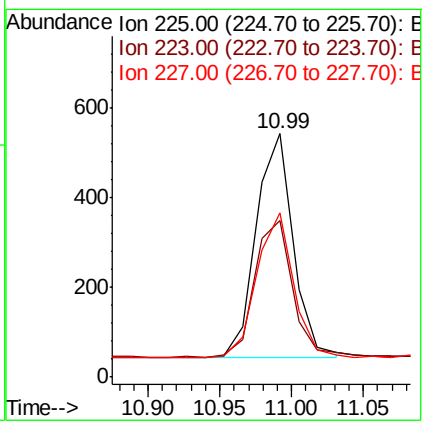


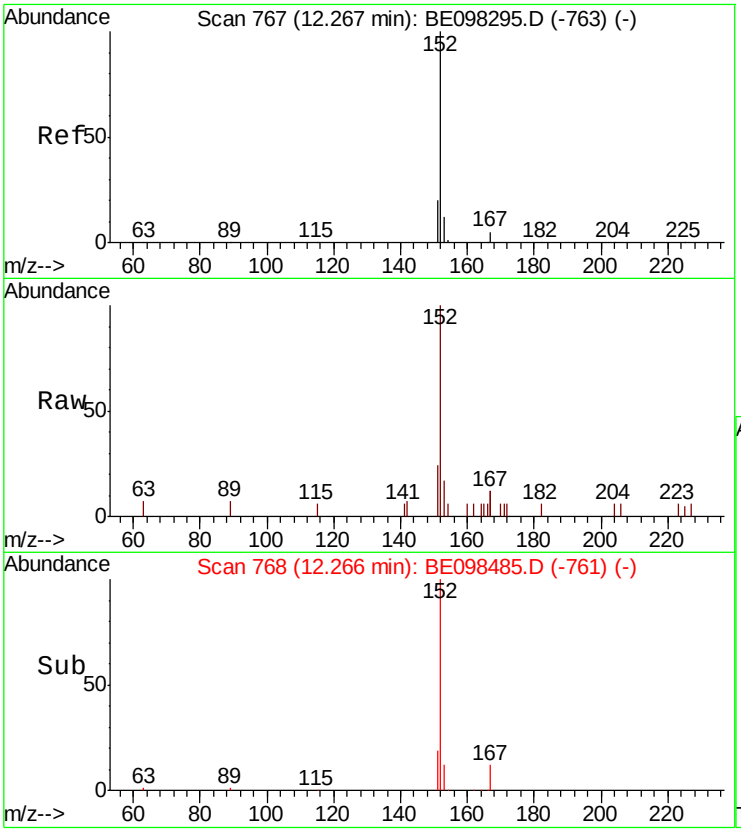


#10
Hexachlorobutadiene
Concen: 0.467 ng
RT: 10.99 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:225 Resp: 903

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.4	74.0
227	64.1	52.0	78.0



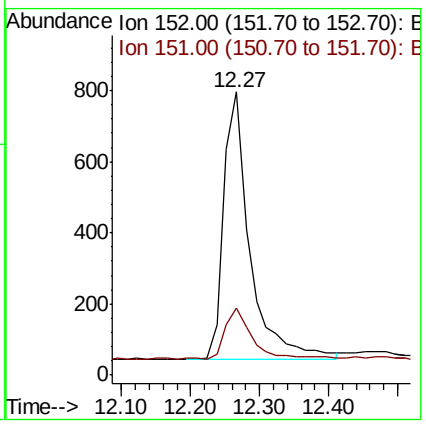


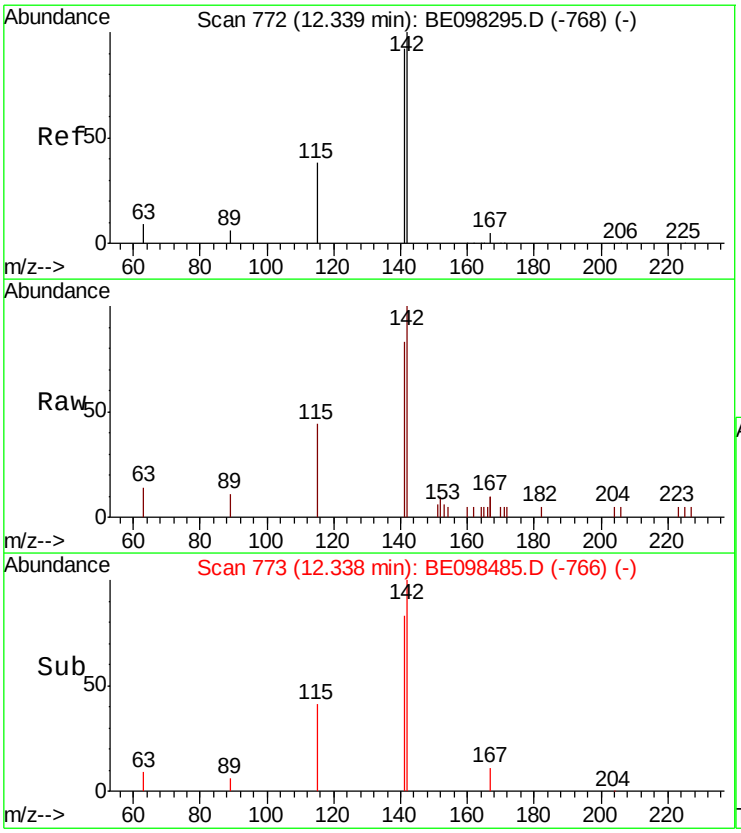
#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 12.27 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1990

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4

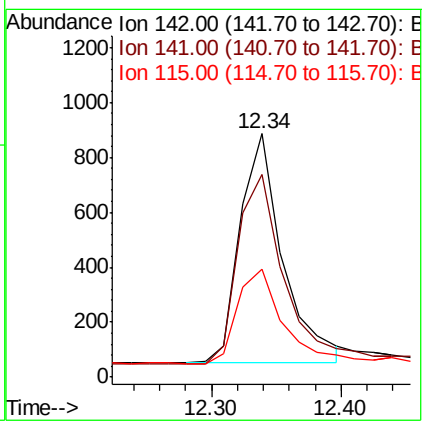


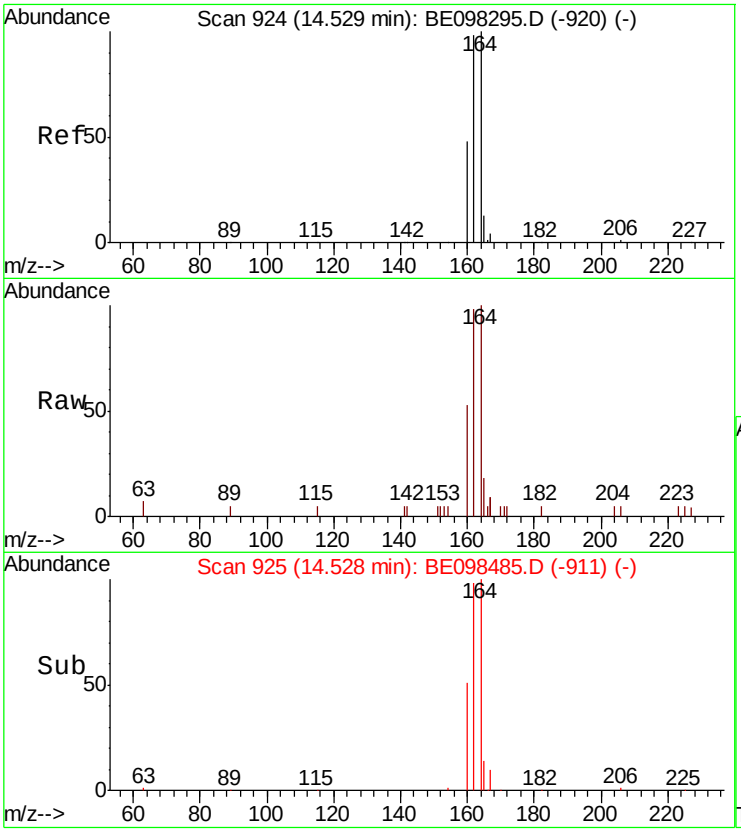


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.34 min Scan# 773
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:142 Resp: 1917

Ion	Ratio	Lower	Upper
142	100		
141	83.2	71.0	106.6
115	44.1	32.2	48.2



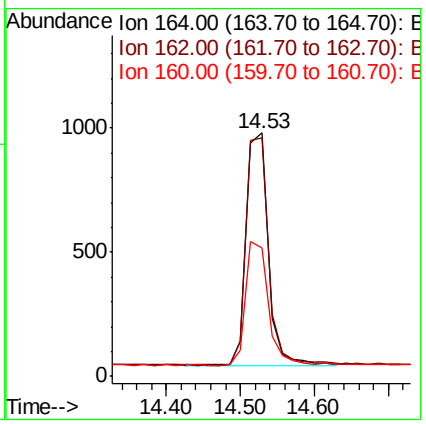


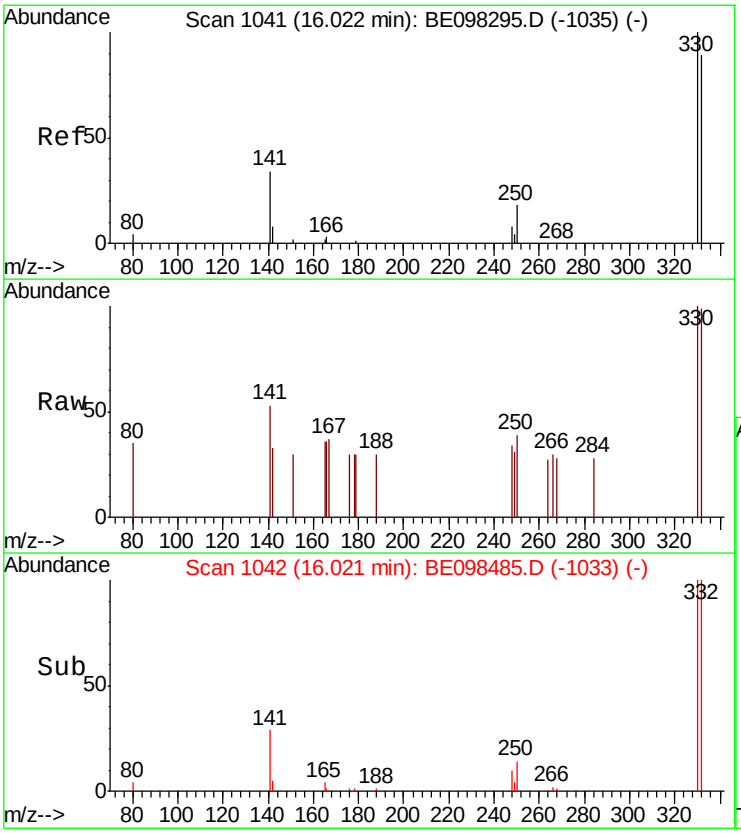
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 1942

Ion	Ratio	Lower	Upper
164	100		
162	97.9	77.6	116.4
160	53.0	36.0	54.0

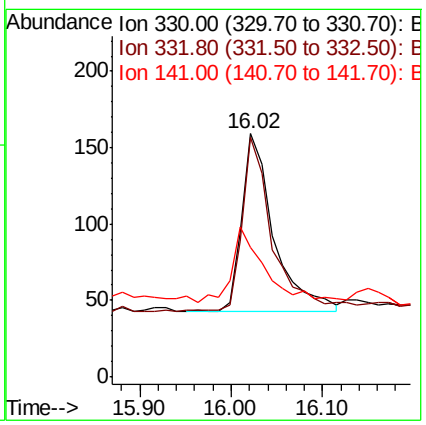


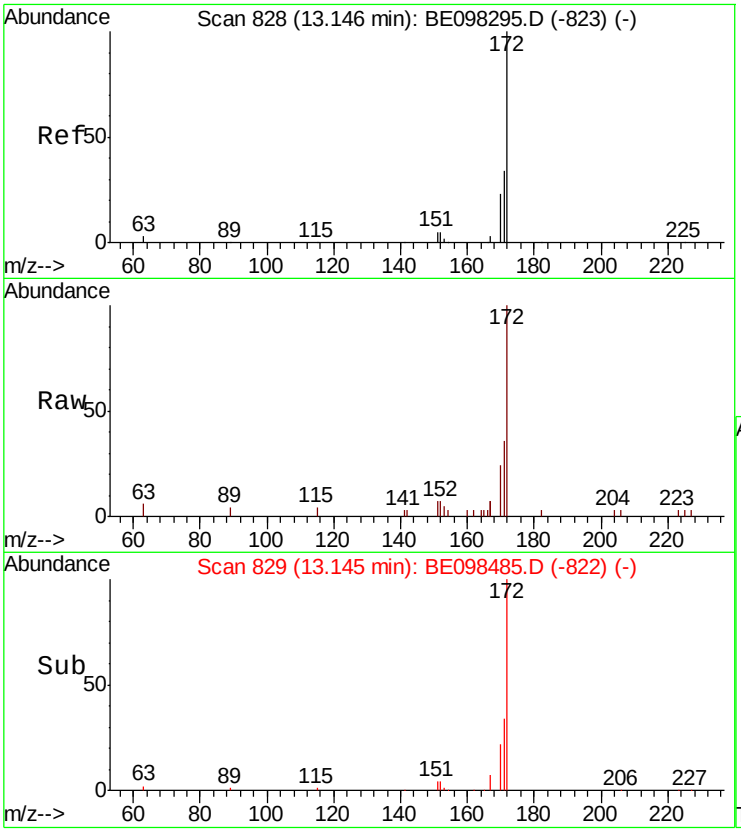


#14
2,4,6-Tribromophenol
Concen: 0.396 ng
RT: 16.02 min Scan# 1042
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:330 Resp: 282

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.2	114.4
141	43.3	39.0	58.4



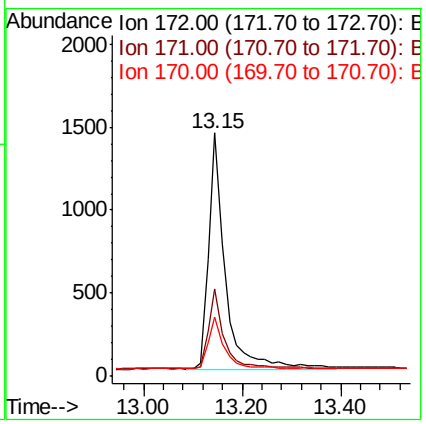


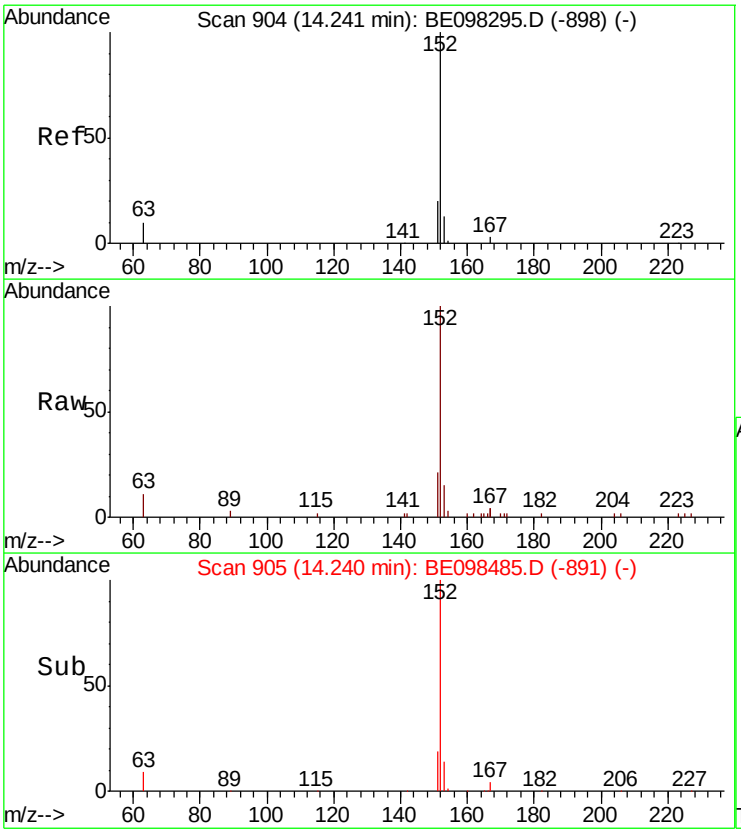
#15
2-Fluorobiphenyl
Concen: 0.403 ng
RT: 13.15 min Scan# 829
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 3298

Ion	Ratio	Lower	Upper
172	100		
171	35.7	27.5	41.3
170	24.4	19.6	29.4

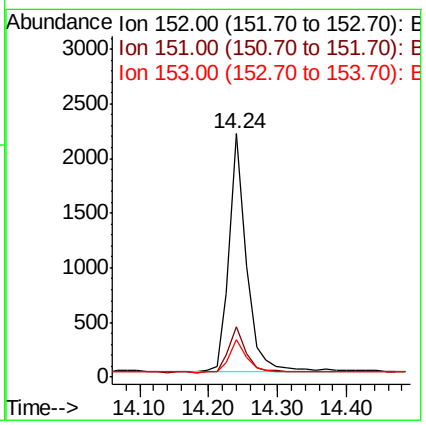


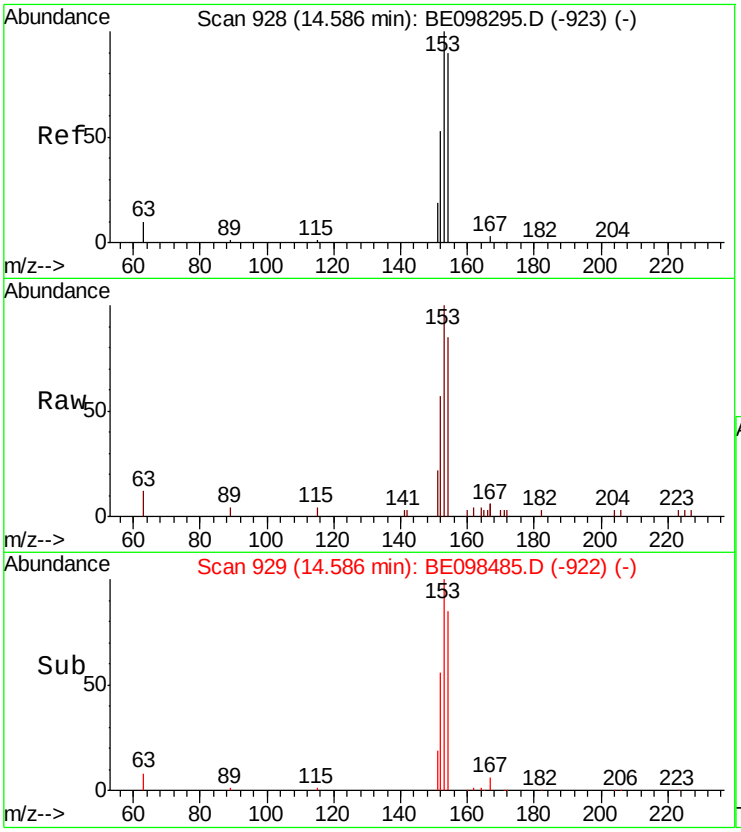


#16
Acenaphthylene
Concen: 0.419 ng
RT: 14.24 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:152 Resp: 3814

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.5	23.3
153	14.2	10.6	16.0



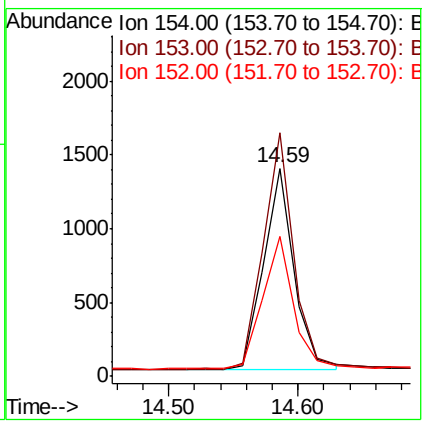


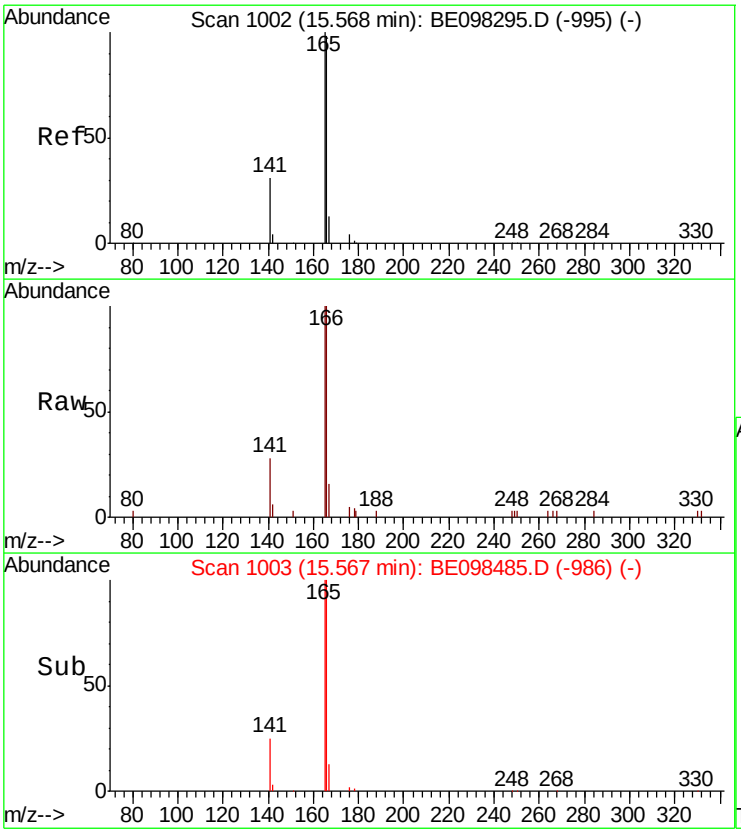
#17
Acenaphthene
Concen: 0.404 ng
RT: 14.59 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 2207

Ion	Ratio	Lower	Upper
154	100		
153	118.2	91.8	137.6
152	66.4	45.5	68.3

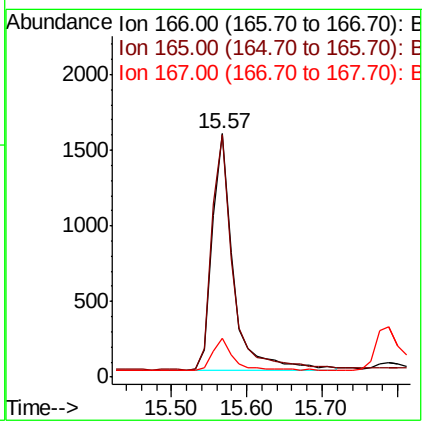


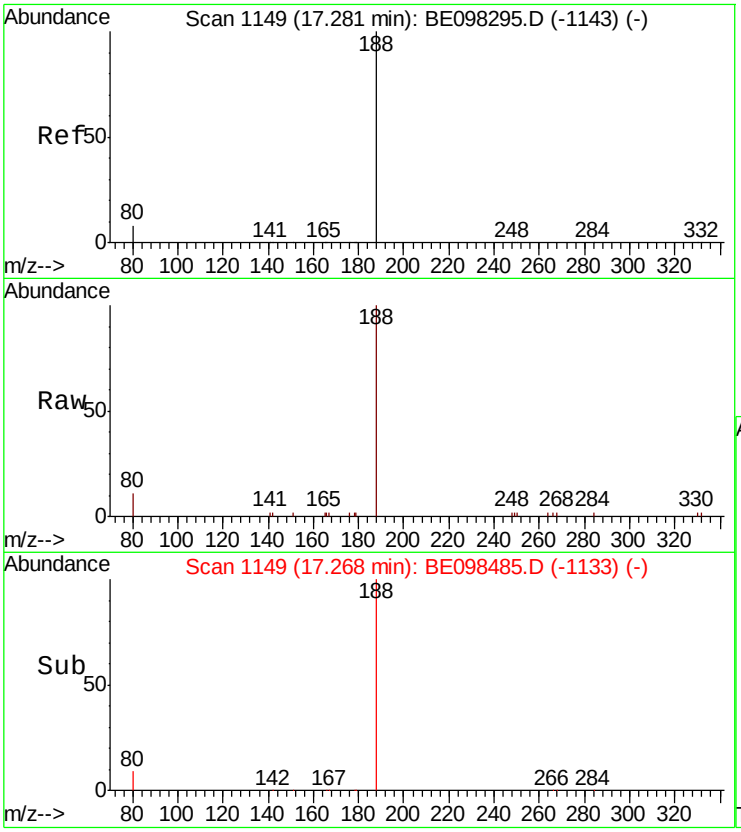


#18
Fluorene
Concen: 0.416 ng
RT: 15.57 min Scan# 1003
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:166 Resp: 3043

Ion	Ratio	Lower	Upper
166	100		
165	100.5	79.3	118.9
167	13.6	11.3	16.9



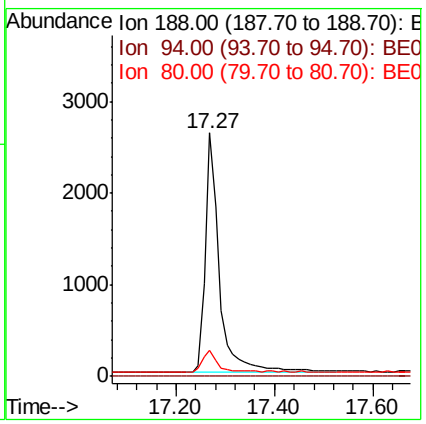


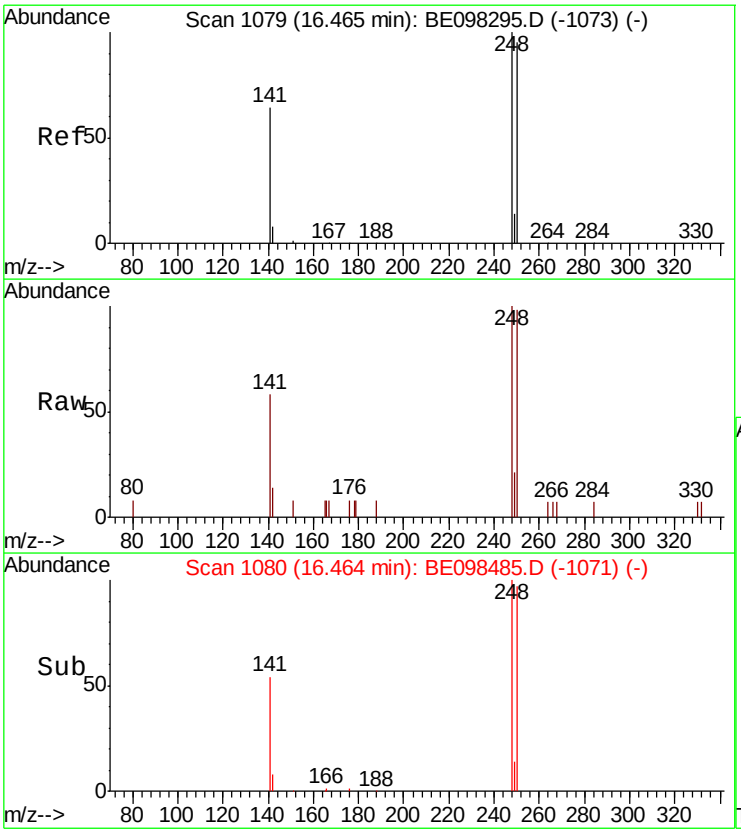
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.27 min Scan# 1149
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 5184

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	7.2	10.8

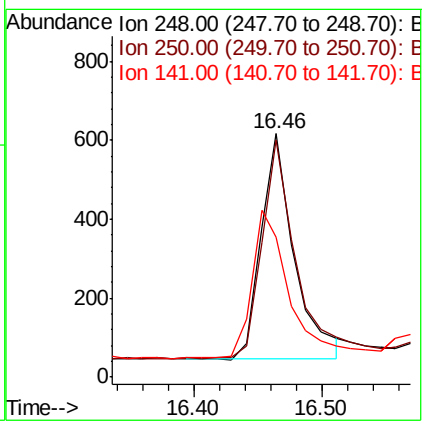


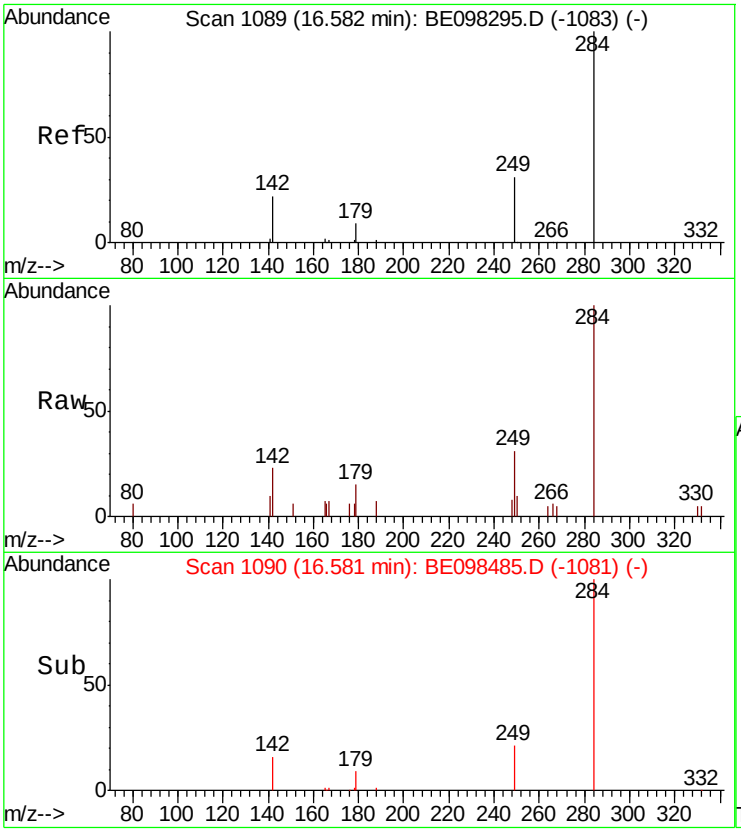


#20
4-Bromophenyl-phenylether
Concen: 0.373 ng
RT: 16.46 min Scan# 1080
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:248 Resp: 1041

Ion	Ratio	Lower	Upper
248	100		
250	97.6	71.0	106.6
141	57.7	62.1	93.1#



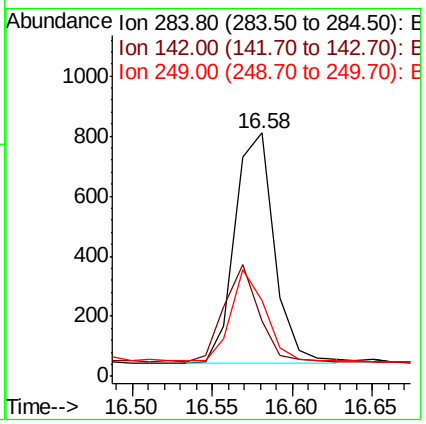


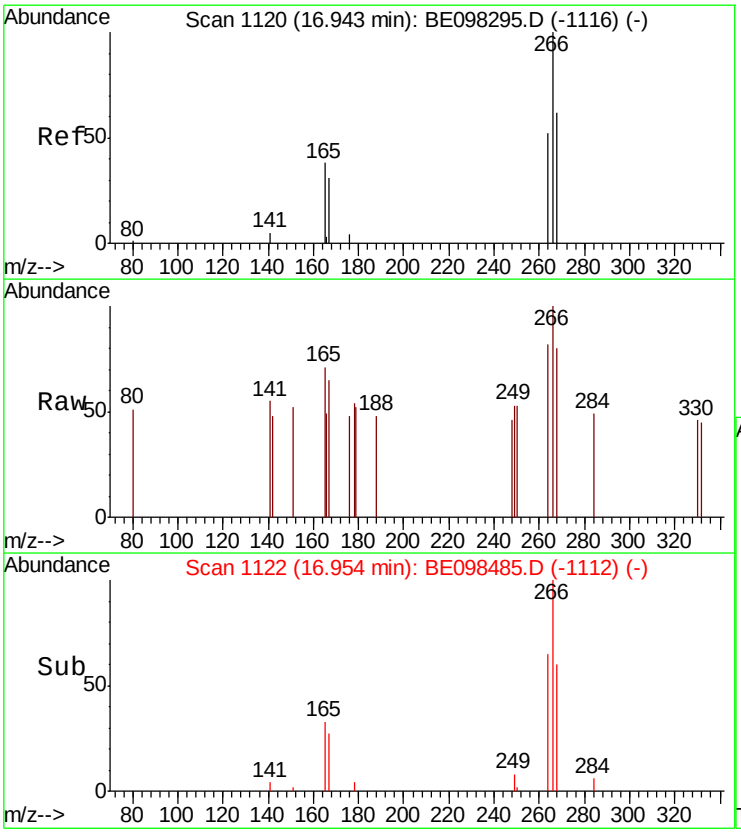
#21
Hexachlorobenzene
Concen: 0.437 ng
RT: 16.58 min Scan# 1090
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1310

Ion	Ratio	Lower	Upper
284	100		
142	37.0	26.3	39.5
249	34.2	26.0	39.0

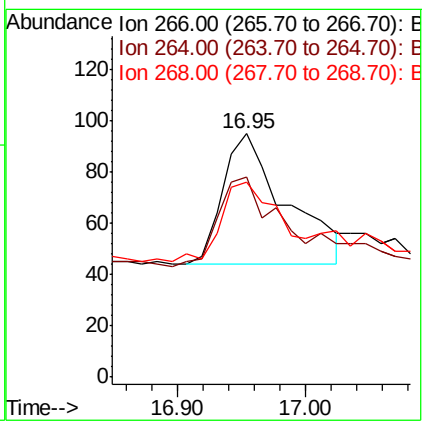


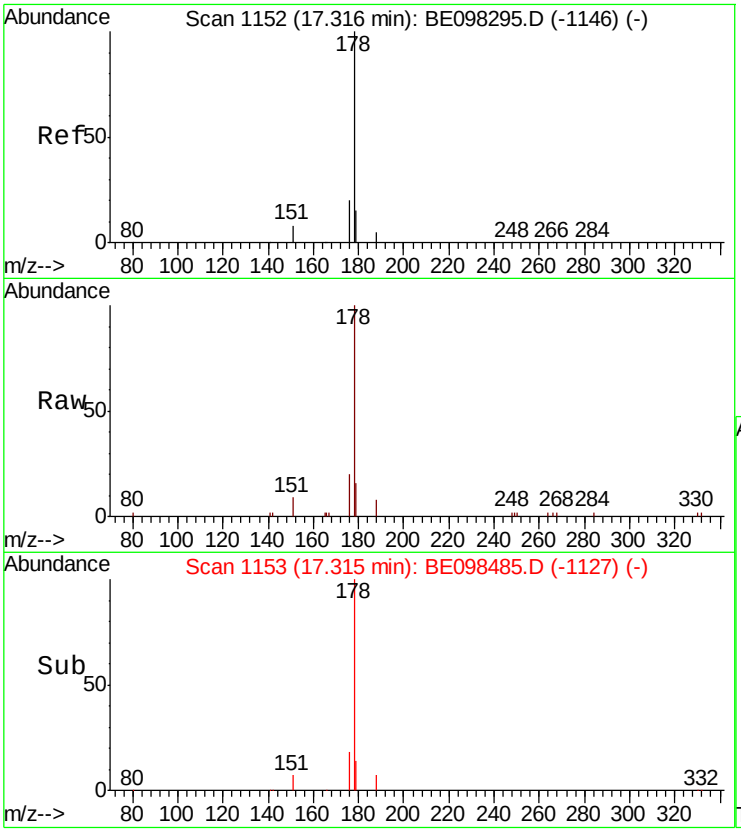


#22
Pentachlorophenol
Concen: 0.368 ng
RT: 16.95 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:266 Resp: 175

Ion	Ratio	Lower	Upper
266	100		
264	82.1	59.0	88.4
268	80.0	55.1	82.7



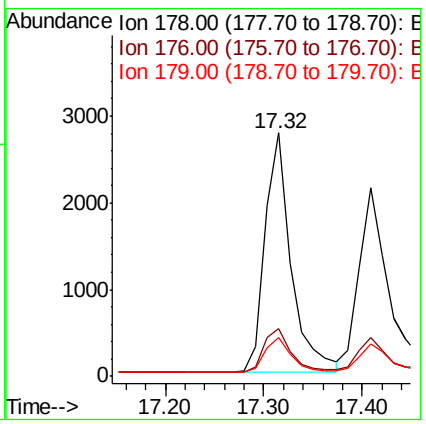


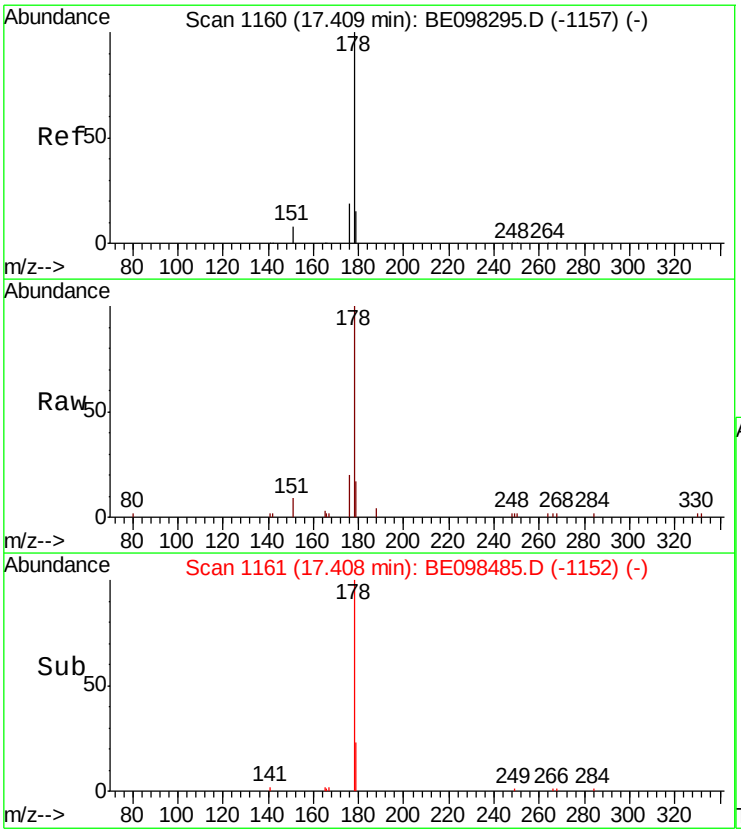
#23
Phenanthrene
Concen: 0.403 ng
RT: 17.32 min Scan# 1153
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 5079

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	14.8	12.3	18.5

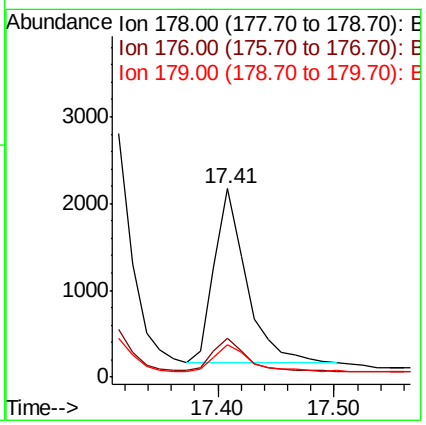


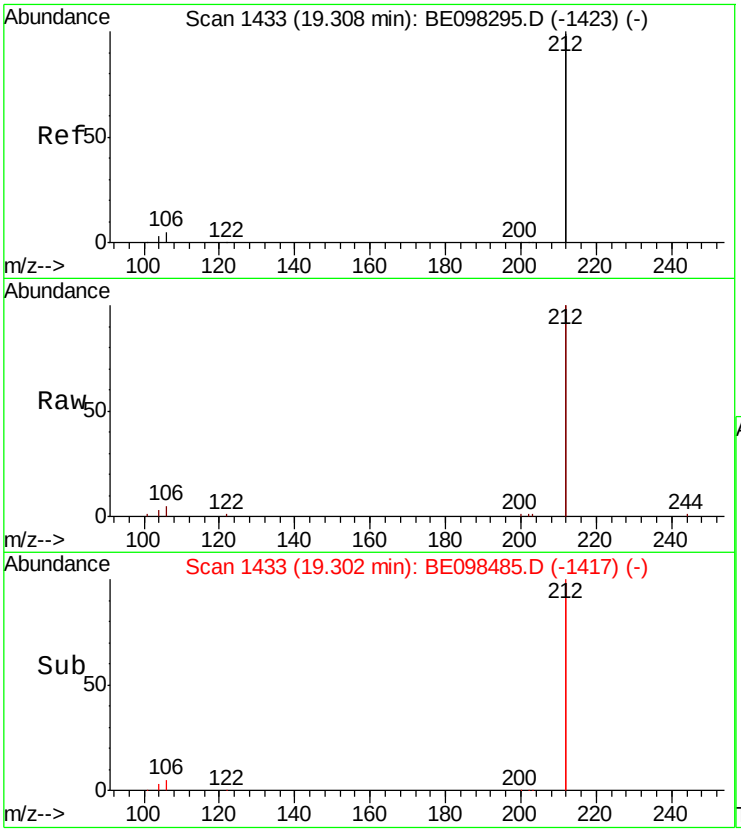


#24
Anthracene
Concen: 0.343 ng
RT: 17.41 min Scan# 1161
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:178 Resp: 3856

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.0	22.4
179	15.8	12.3	18.5



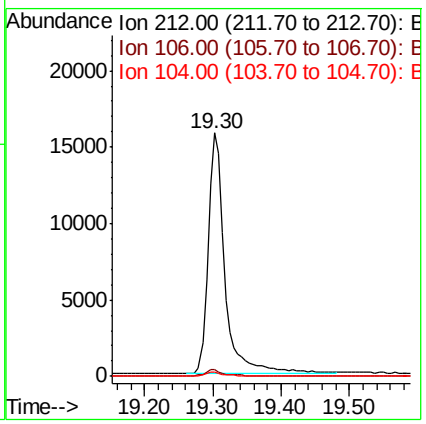


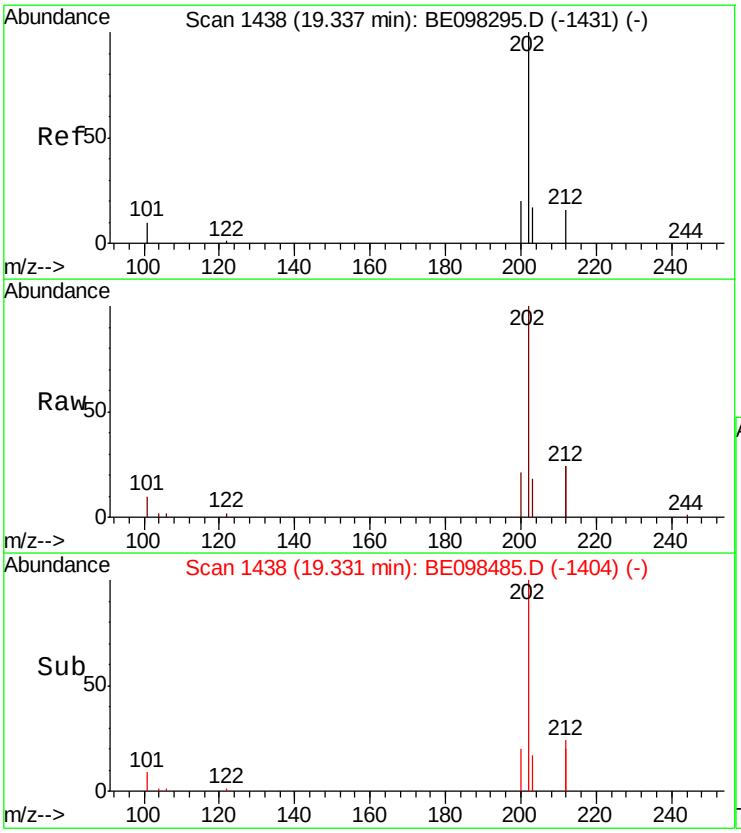
#25
Fluoranthene-d10
Concen: 0.410 ng
RT: 19.30 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 27242

Ion	Ratio	Lower	Upper
212	100		
106	2.4	2.2	3.2
104	1.3	1.3	1.9

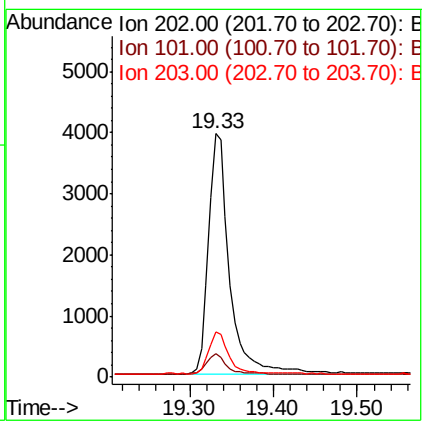


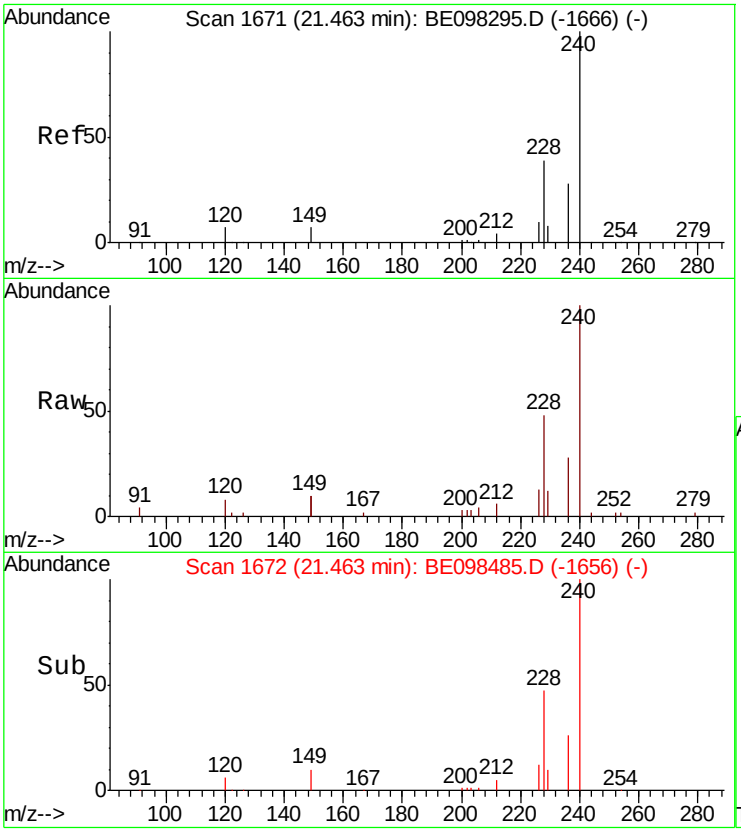


#26
Fluoranthene
Concen: 0.415 ng
RT: 19.33 min Scan# 1438
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:202 Resp: 6915

Ion	Ratio	Lower	Upper
202	100		
101	8.3	8.0	12.0
203	16.7	13.8	20.6



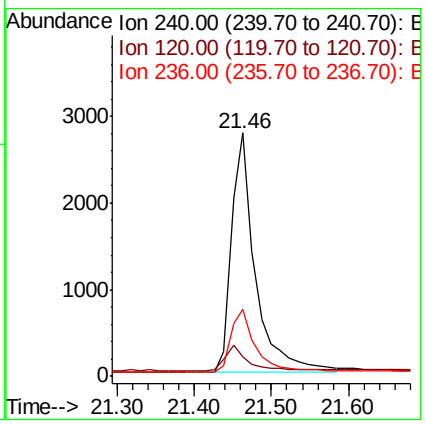


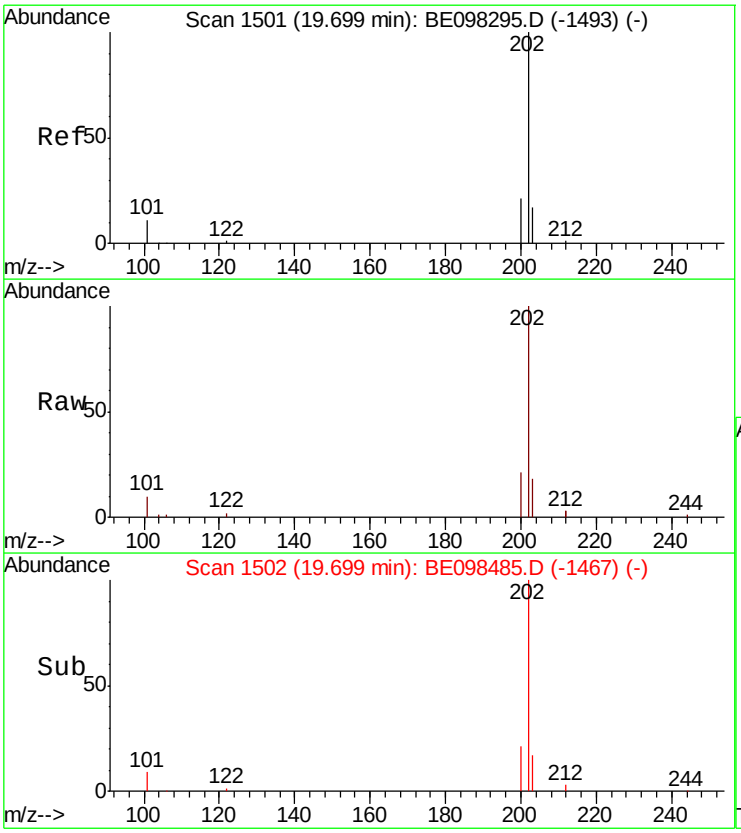
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1672
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 5942

Ion	Ratio	Lower	Upper
240	100		
120	8.3	9.5	14.3#
236	27.6	22.7	34.1

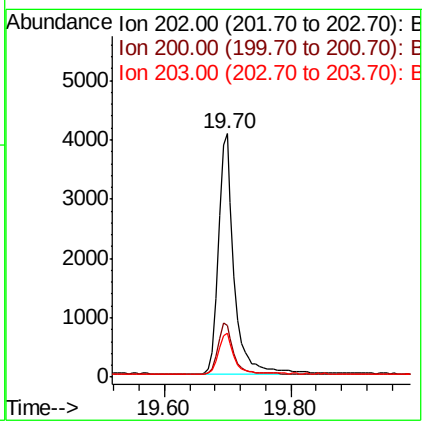


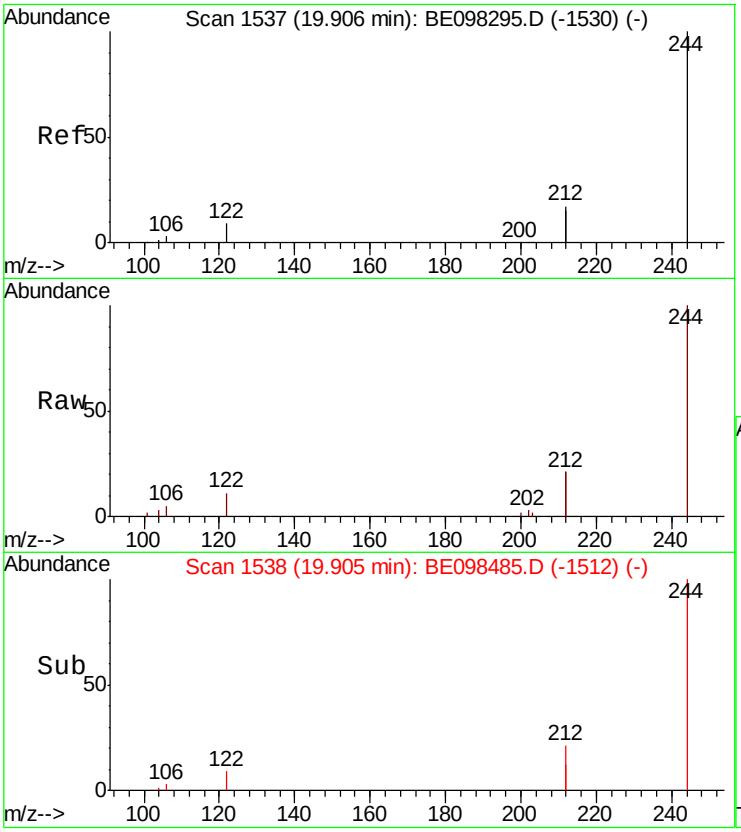


#28
Pyrene
Concen: 0.375 ng
RT: 19.70 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:202 Resp: 6992

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	17.5	14.1	21.1



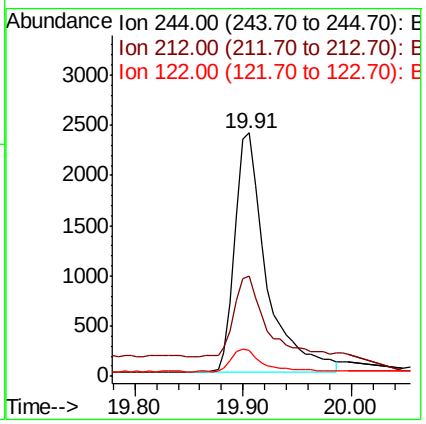


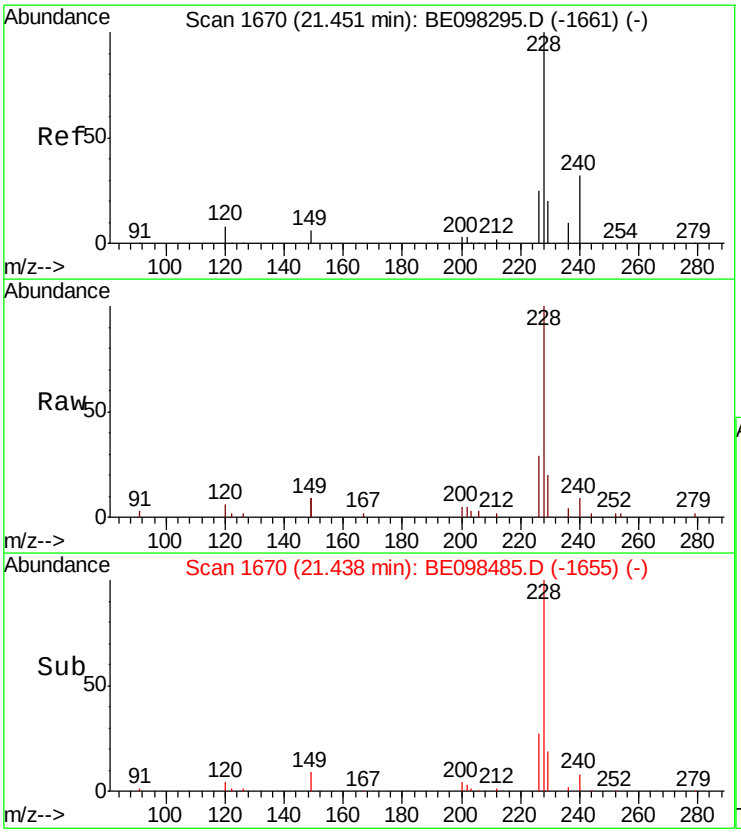
#29
Terphenyl-d14
Concen: 0.332 ng
RT: 19.91 min Scan# 1538
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 4787

Ion	Ratio	Lower	Upper
244	100		
212	41.4	27.4	41.0#
122	10.5	8.3	12.5

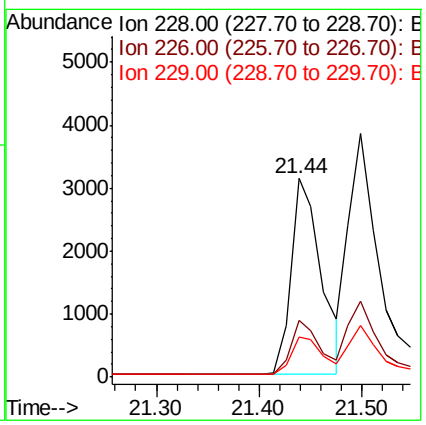


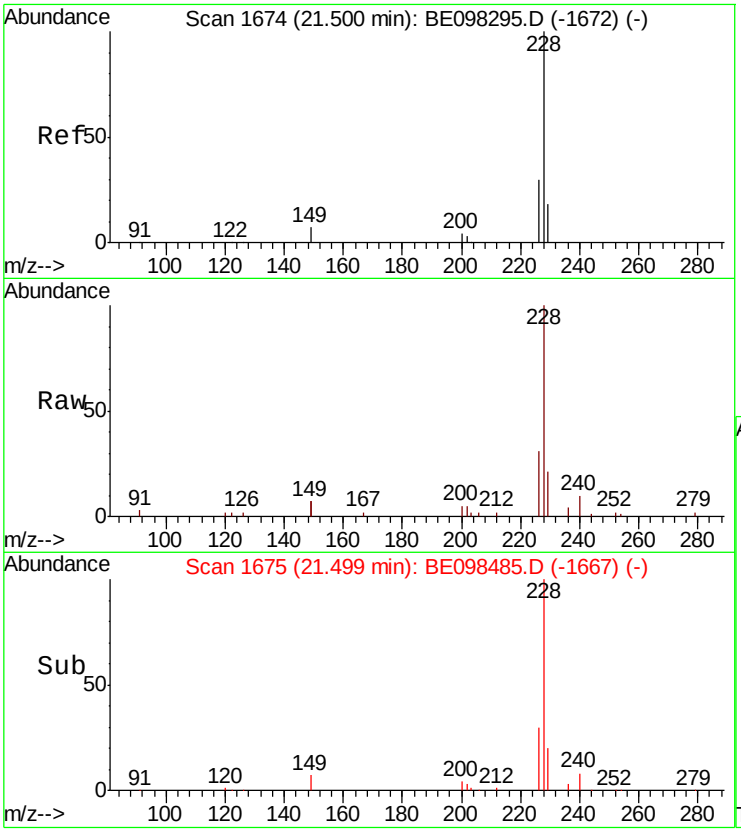


#30
Benzo(a)anthracene
Concen: 0.376 ng
RT: 21.44 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:228 Resp: 6367

Ion	Ratio	Lower	Upper
228	100		
226	28.5	21.8	32.8
229	20.0	16.3	24.5



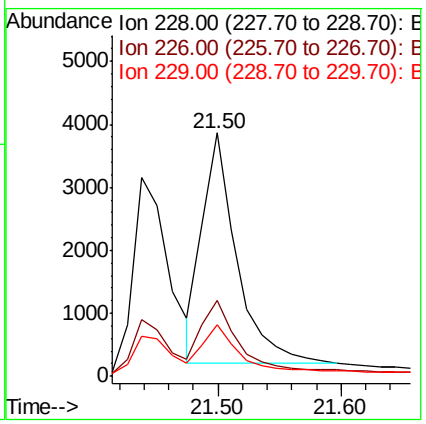


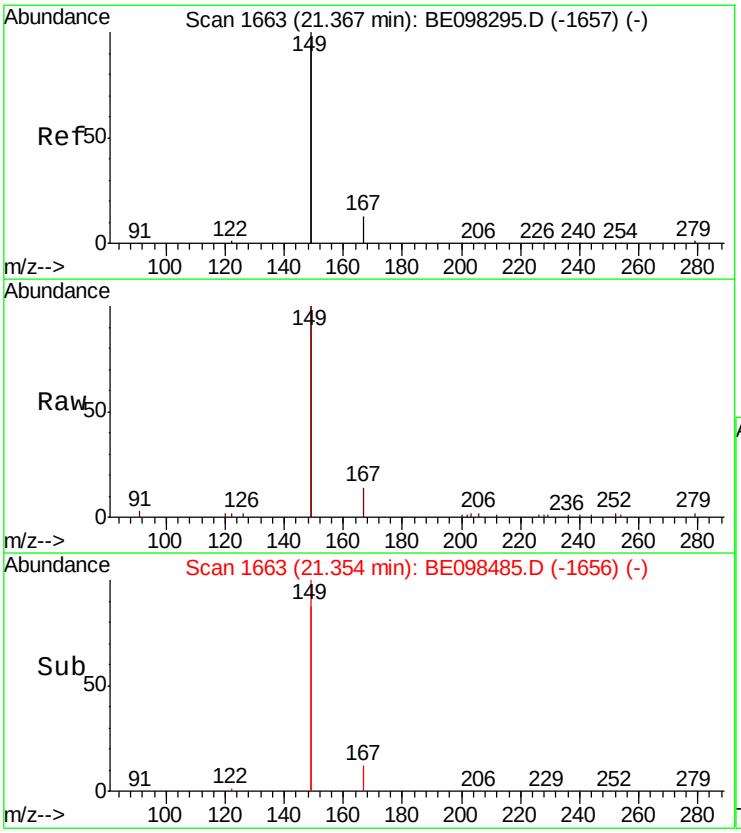
#31
Chrysene
Concen: 0.400 ng
RT: 21.50 min Scan# 1675
Delta R.T. -0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 7093

Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.4	35.0
229	21.0	16.2	24.4

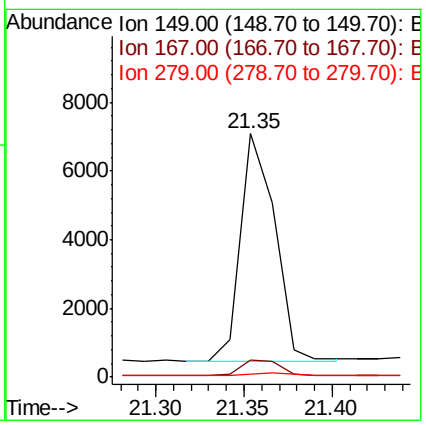


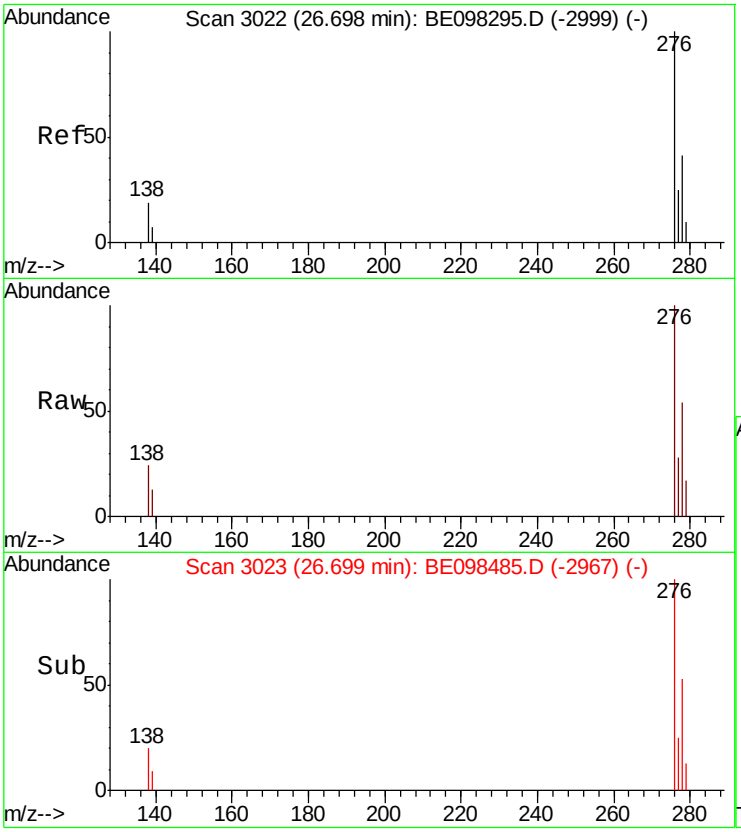


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.262 ng
RT: 21.35 min Scan# 1663
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:149 Resp: 9012

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.7	8.5
279	1.0	1.0	1.4



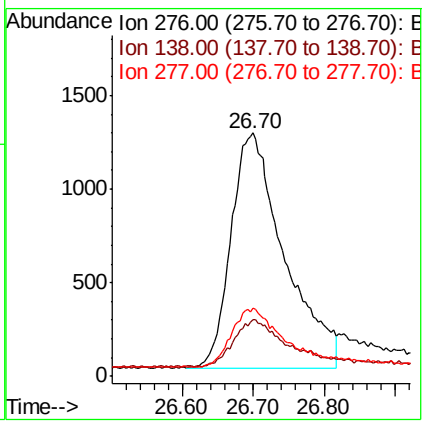


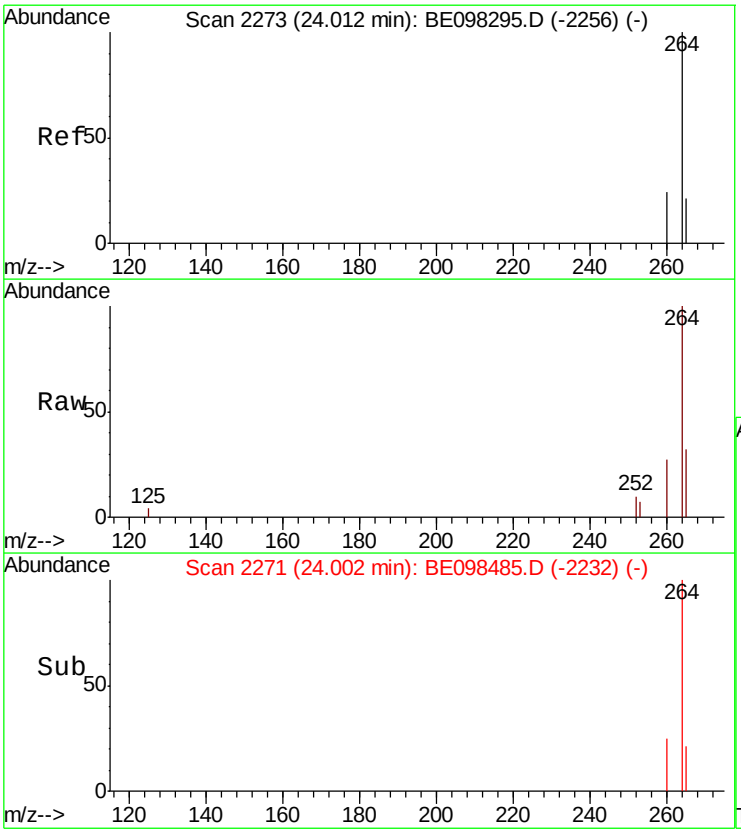
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.372 ng
RT: 26.70 min Scan# 3023
Delta R.T. 0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 6566

Ion	Ratio	Lower	Upper
276	100		
138	20.5	16.3	24.5
277	25.9	20.2	30.4

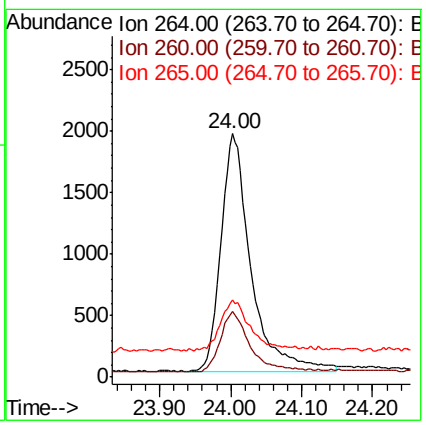


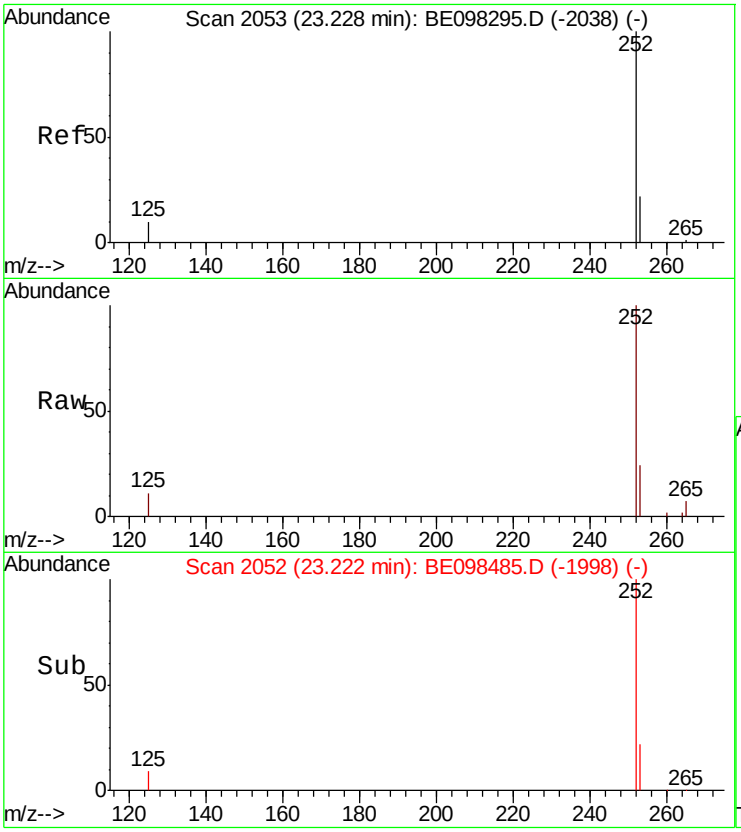


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.00 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:264 Resp: 5631

Ion	Ratio	Lower	Upper
264	100		
260	26.8	20.2	30.2
265	31.9	25.2	37.8



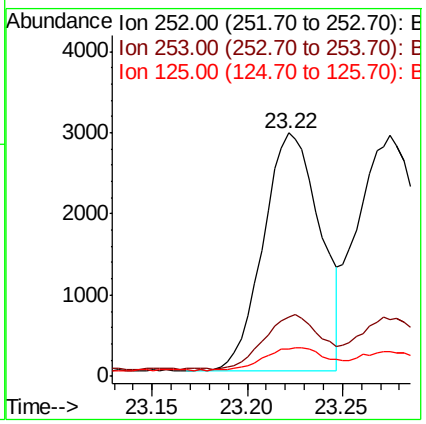


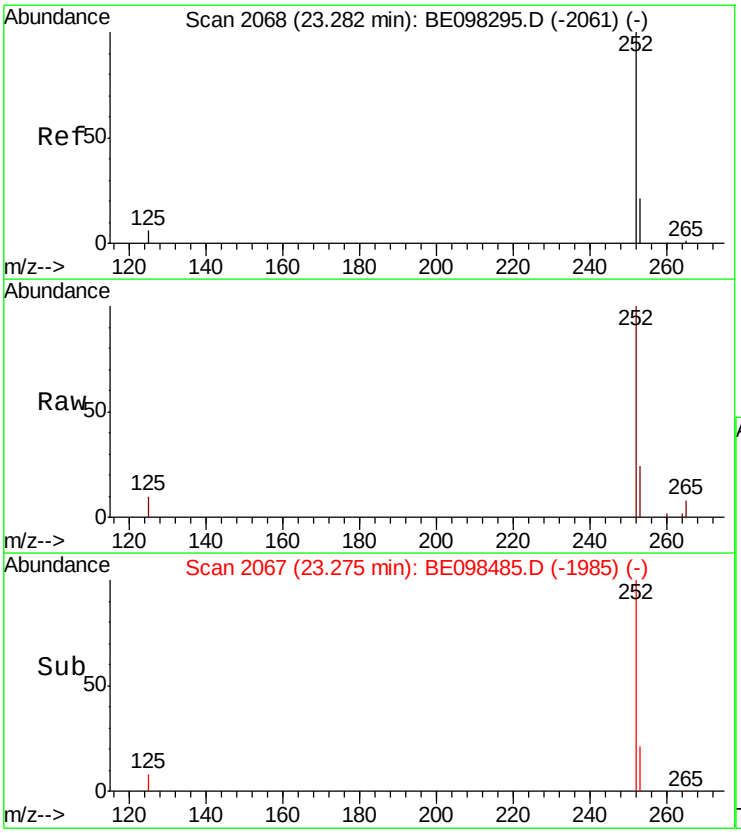
#35
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 23.22 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 6066

Ion	Ratio	Lower	Upper
252	100		
253	24.3	20.0	30.0
125	11.4	9.6	14.4

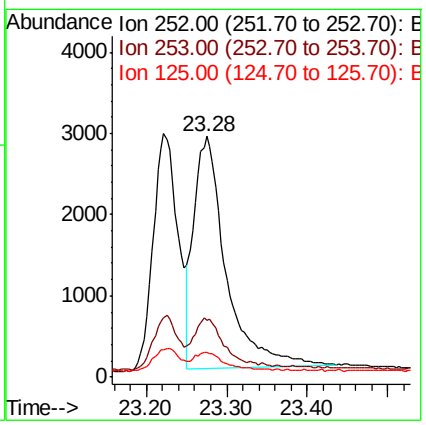


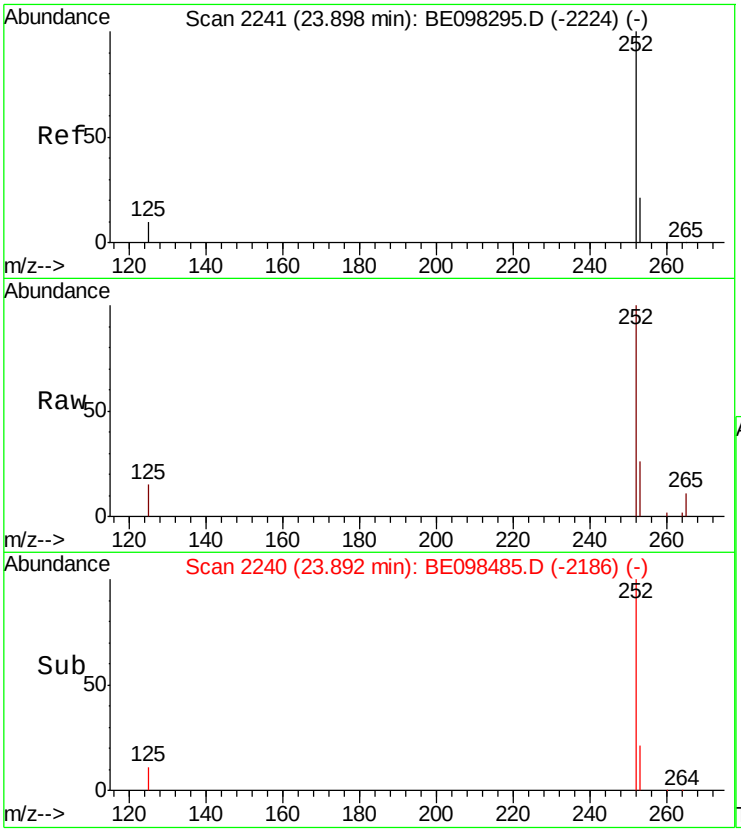


#36
Benzo(k)fluoranthene
Concen: 0.443 ng
RT: 23.28 min Scan# 2067
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:252 Resp: 7940

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.6
125	10.2	9.1	13.7



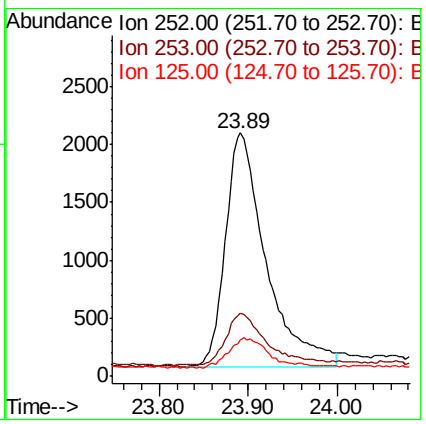


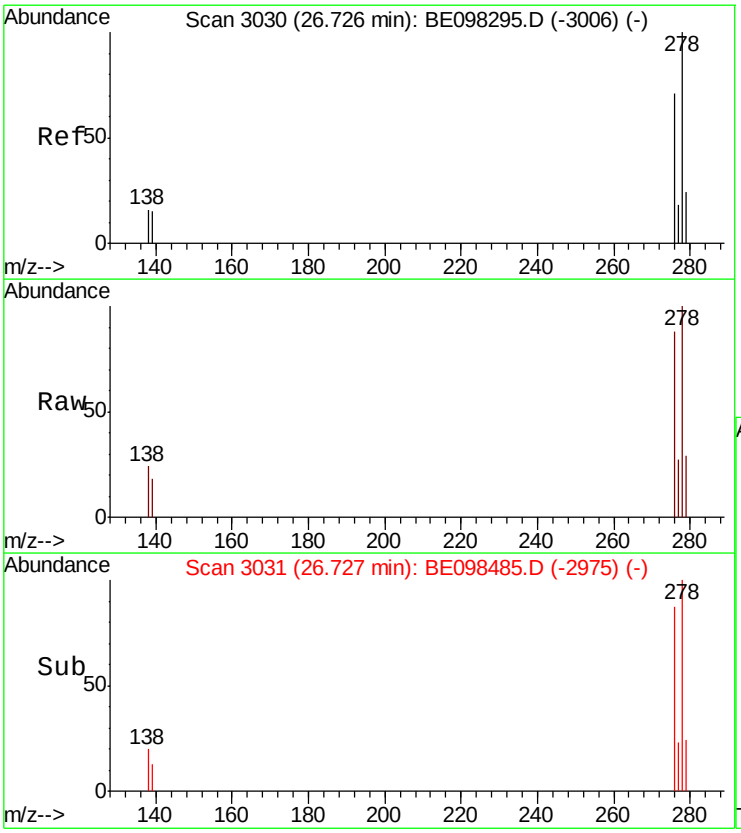
#37
Benzo(a)pyrene
Concen: 0.406 ng
RT: 23.89 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 6447

Ion	Ratio	Lower	Upper
252	100		
253	25.8	20.6	30.8
125	14.7	10.5	15.7

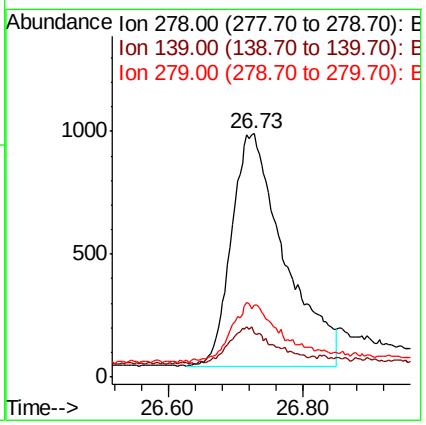


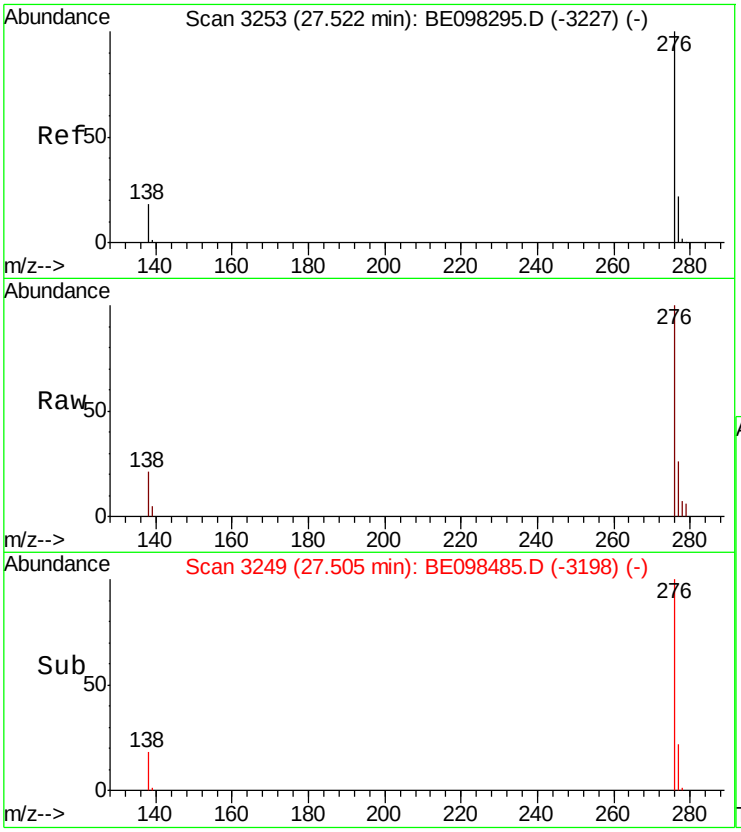


#38
Dibenzo(a,h)anthracene
Concen: 0.345 ng
RT: 26.73 min Scan# 3031
Delta R.T. 0.00 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Tgt Ion:278 Resp: 5162

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.5	21.7
279	29.5	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.143 ng
RT: 27.50 min Scan# 3249
Delta R.T. -0.02 min
Lab File: BE098485.D
Acq: 15 Dec 2018 23:09

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 2158

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.8	31.2
138	21.2	15.8	23.6