Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
Data File : BE098387.D
Acq On : 13 Dec 2018 8:56
Operator : SJ/JU
Sample : PB115545BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Dec 13 10:45:14 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	7.88	152	1150	0.40	ng		0.01
7) Naphthalene-d8	10.68	136	4718	0.40	ng		0.01
13) Acenaphthene-d10	14.54	164	2716	0.40	ng		0.01
19) Phenanthrene-d10	17.28	188	7304	0.40	ng		0.00
27) Chrysene-d12	21.46	240	9470	0.40	ng		0.00
34) Perylene-d12	24.01	264	8818	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	686	0.25	ng		0.02
5) Phenol-d6	7.07	99	793	0.21	ng		0.02
8) Nitrobenzene-d5	9.05	82	970	0.23	ng		0.04
11) 2-Methylnaphthalene-d10	12.28	152	1889	0.25	ng		0.01
14) 2,4,6-Tribromophenol	16.04	330	165	0.17	ng		0.02
15) 2-Fluorobiphenyl	13.16	172	2654	0.23	ng		0.01
25) Fluoranthene-d10	19.31	212	23242	0.25	ng		0.00
29) Terphenyl-d14	19.91	244	4294	0.19	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.37	88	707	0.355	ng	#	45
3) n-Nitrosodimethylamine	3.71	42	439	0.245	ng	#	100
6) bis(2-Chloroethyl)ether	7.31	93	627	0.173	ng		96
9) Naphthalene	10.73	128	10915	0.230	ng	#	98
10) Hexachlorobutadiene	11.00	225	668	0.221	ng		98
12) 2-Methylnaphthalene	12.35	142	1674	0.217	ng		93
16) Acenaphthylene	14.25	152	2950	0.232	ng		99
17) Acenaphthene	14.60	154	1669	0.218	ng		98
18) Fluorene	15.58	166	2244	0.219	ng		99
20) 4-Bromophenyl-phenylether	16.48	248	732	0.186	ng		88
21) Hexachlorobenzene	16.59	284	887	0.210	ng		98
22) Pentachlorophenol	16.97	266	117	0.192	ng	#	82
23) Phenanthrene	17.33	178	4108	0.231	ng		99
24) Anthracene	17.42	178	3266	0.206	ng		99
26) Fluoranthene	19.34	202	5821	0.248	ng		99
28) Pyrene	19.71	202	5847	0.197	ng		99
30) Benzo(a)anthracene	21.45	228	5852	0.217	ng		100
31) Chrysene	21.50	228	6714	0.238	ng		96
32) Bis(2-ethylhexyl)phthalate	21.37	149	10096	0.184	ng		100
33) Indeno(1,2,3-cd)pyrene	26.72	276	6496	0.231	ng	#	85
35) Benzo(b)fluoranthene	23.23	252	5594	0.232	ng		98
36) Benzo(k)fluoranthene	23.28	252	6773	0.241	ng		99
37) Benzo(a)pyrene	23.90	252	6132	0.246	ng	#	97
38) Dibenzo(a,h)anthracene	26.74	278	5103	0.218	ng		96
39) Benzo(g,h,i)perylene	27.53	276	5683	0.241	ng		97

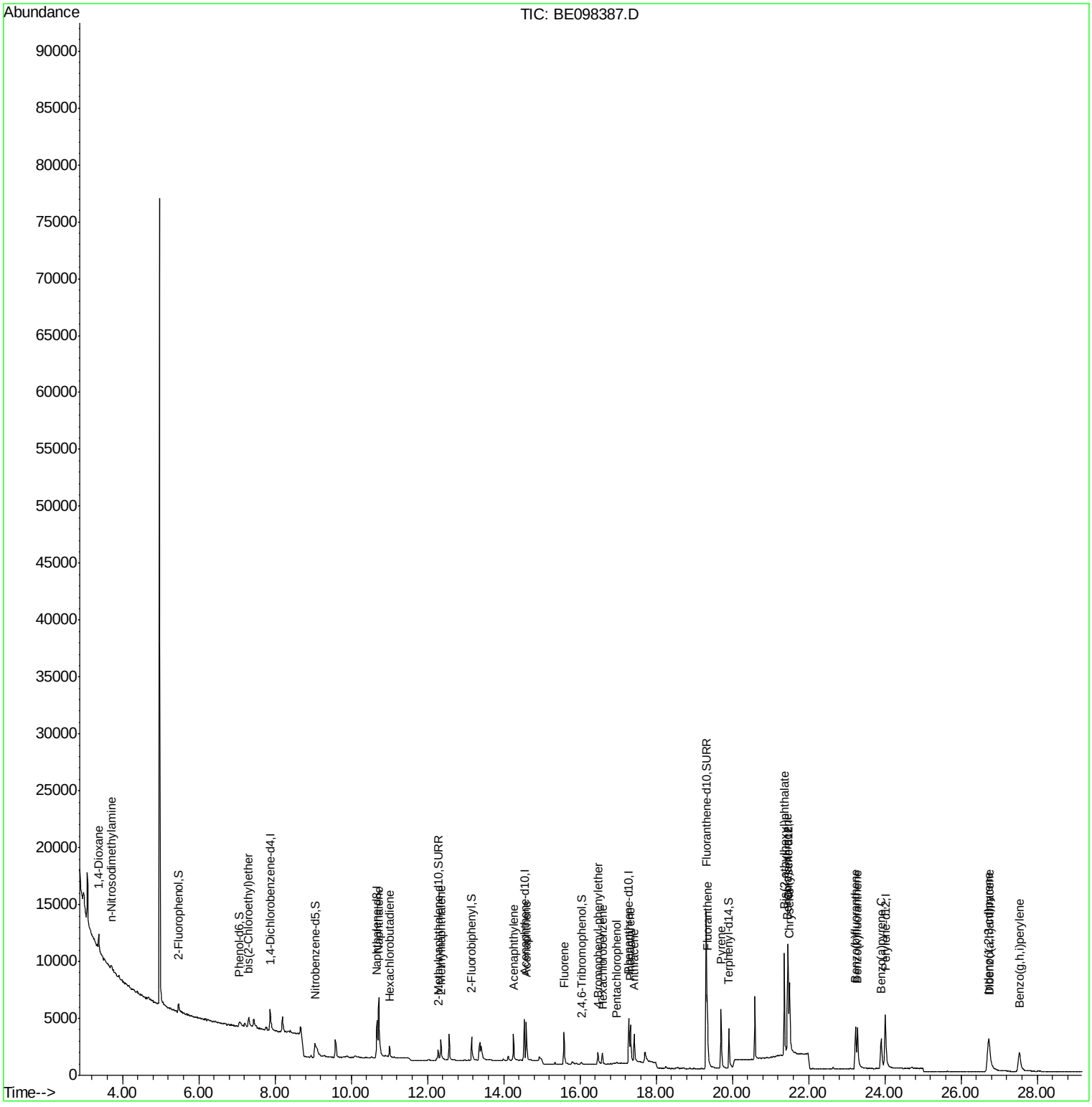
(#) = qualifier out of range (m) = manual integration (+) = signals summed

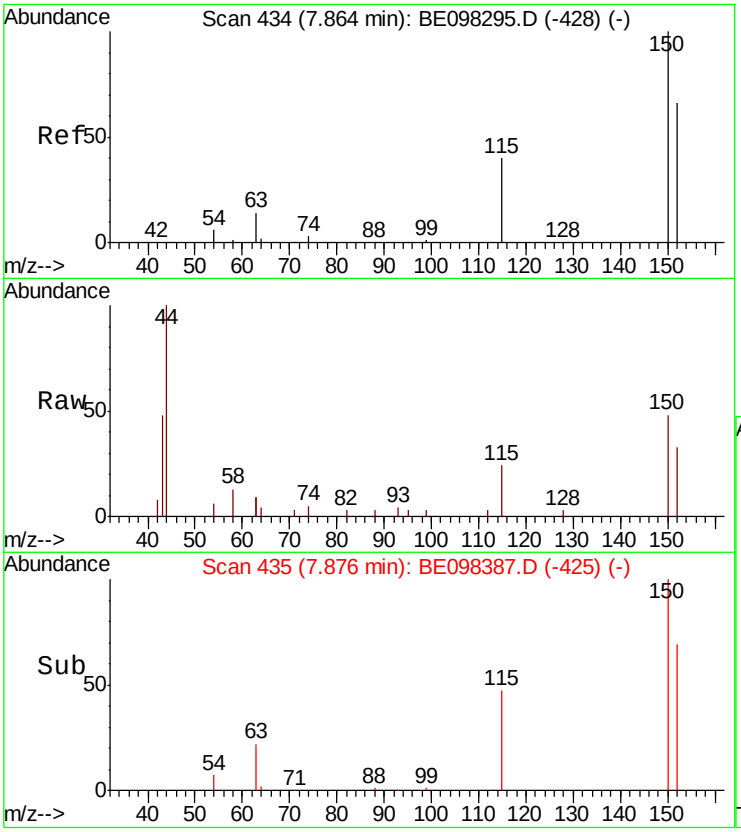
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121218\
Data File : BE098387.D
Acq On : 13 Dec 2018 8:56
Operator : SJ/JU
Sample : PB115545BS
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Dec 13 10:45:14 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



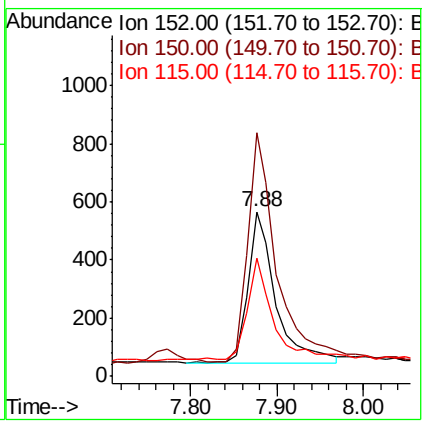


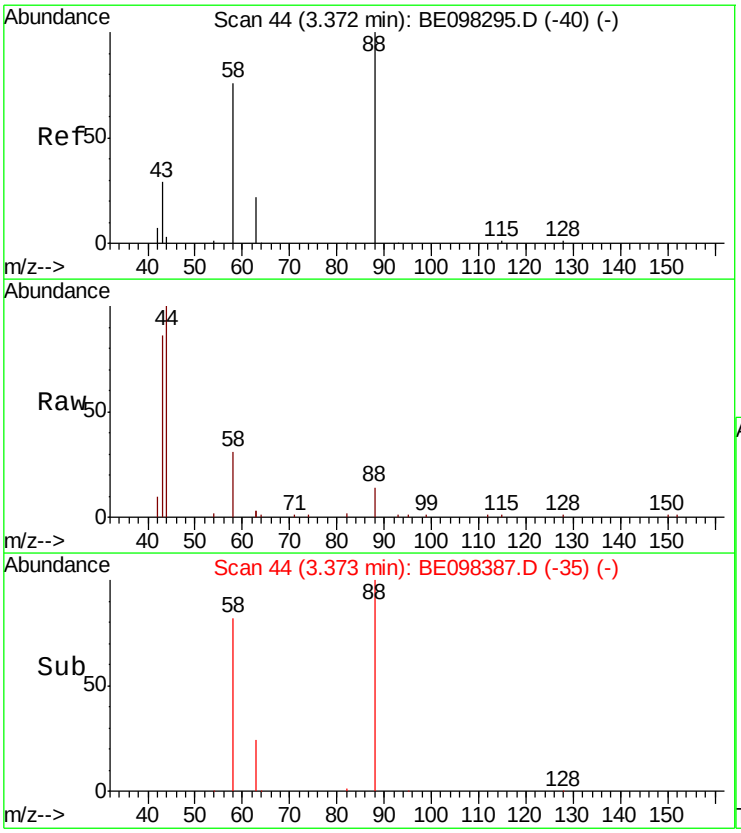
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.88 min Scan# 435
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1150

Ion	Ratio	Lower	Upper
152	100		
150	148.1	124.2	186.4
115	72.2	53.9	80.9

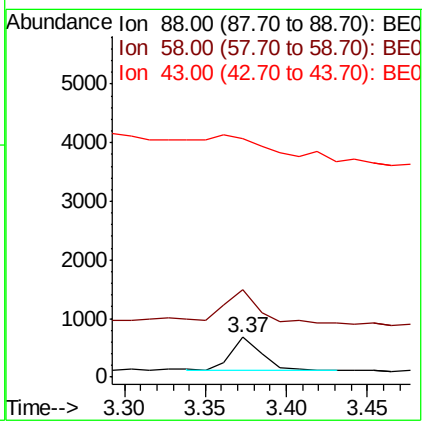


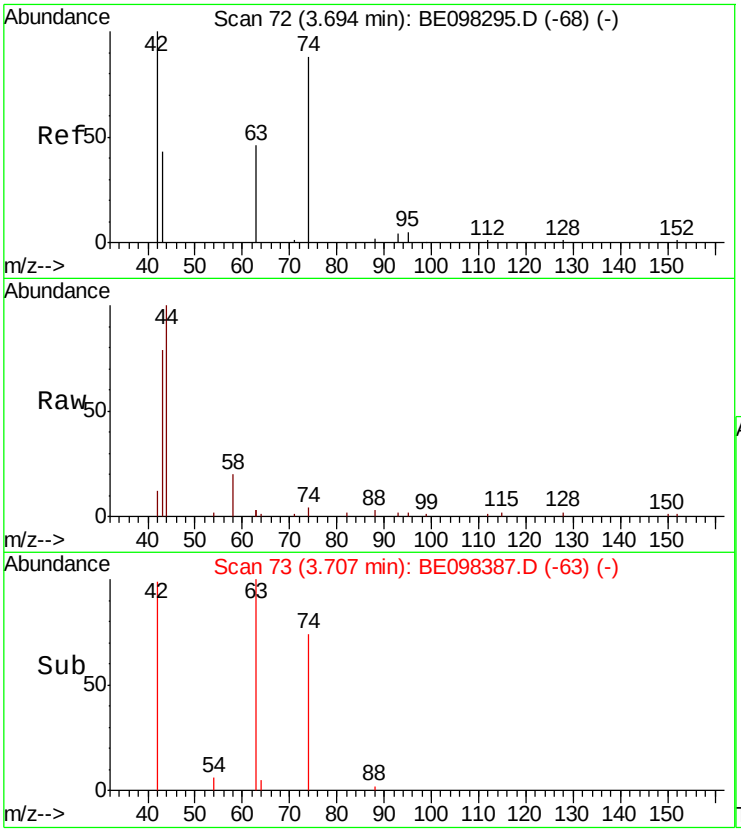


#2
1,4-Dioxane
Concen: 0.355 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion: 88 Resp: 707

Ion	Ratio	Lower	Upper
88	100		
58	138.3	75.0	112.6#
43	0.0	38.3	57.5#



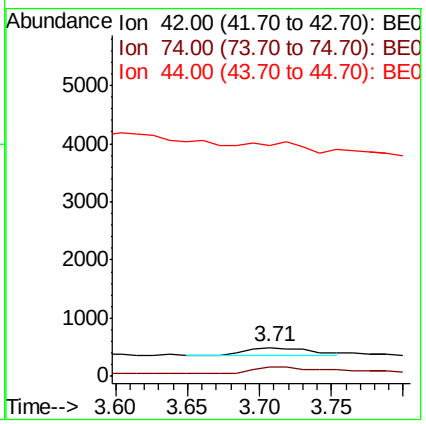


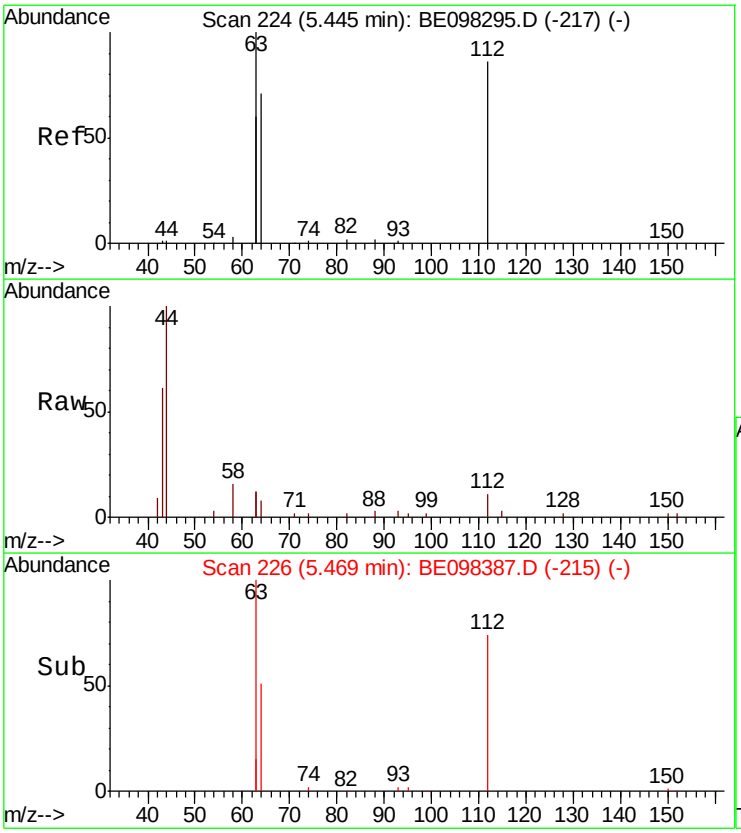
#3
n-Nitrosodimethylamine
Concen: 0.245 ng
RT: 3.71 min Scan# 73
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 439

Ion	Ratio	Lower	Upper
42	100		
74	57.4	0.0	0.0#
44	0.0	0.0	0.0

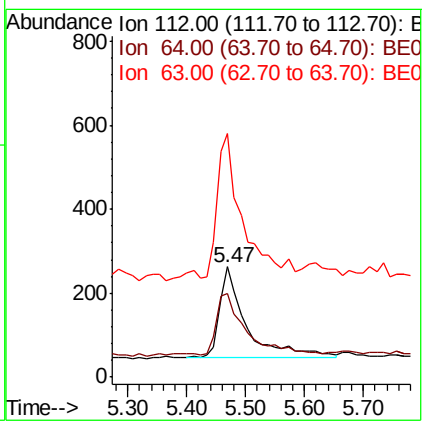


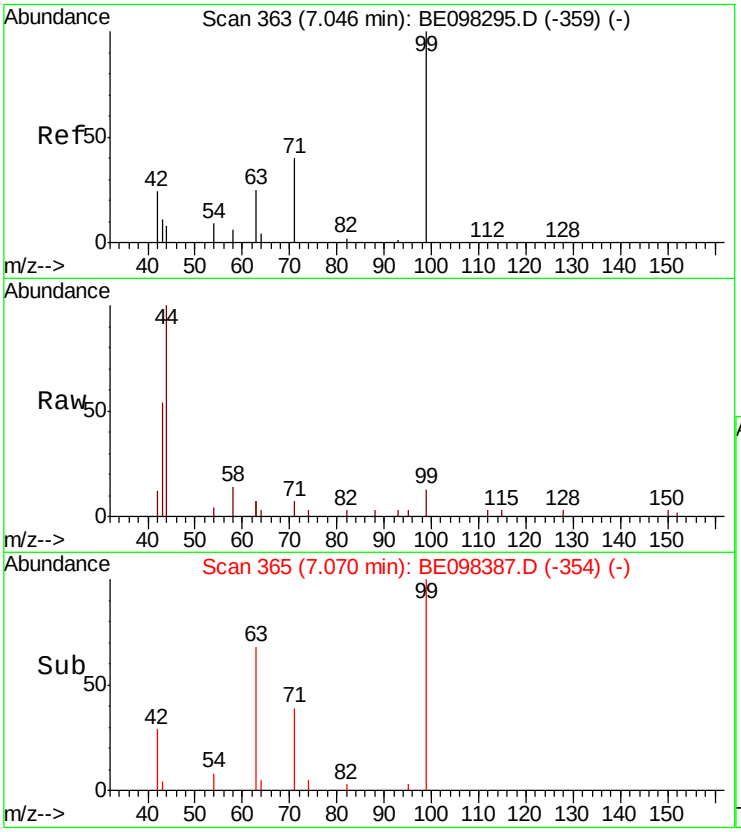


#4
2-Fluorophenol
Concen: 0.255 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.02 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:112 Resp: 686

Ion	Ratio	Lower	Upper
112	100		
64	75.8	59.8	89.8
63	148.3	133.7	200.5



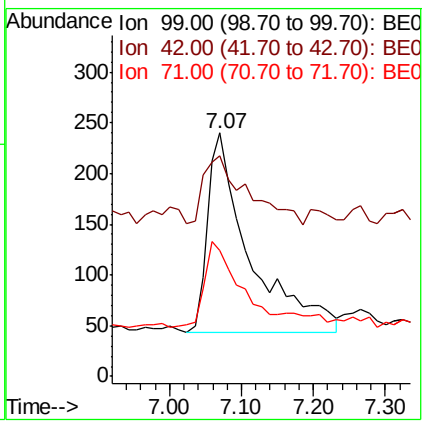


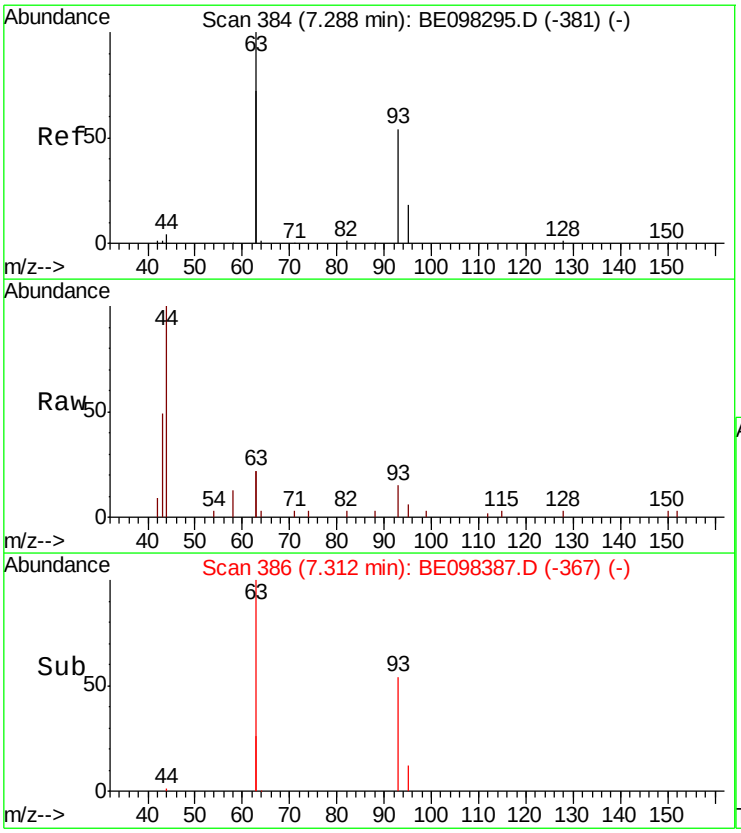
#5
Phenol-d6
Concen: 0.208 ng
RT: 7.07 min Scan# 365
Delta R.T. 0.02 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 793

Ion	Ratio	Lower	Upper
99	100		
42	36.6	26.3	39.5
71	35.1	33.6	50.4

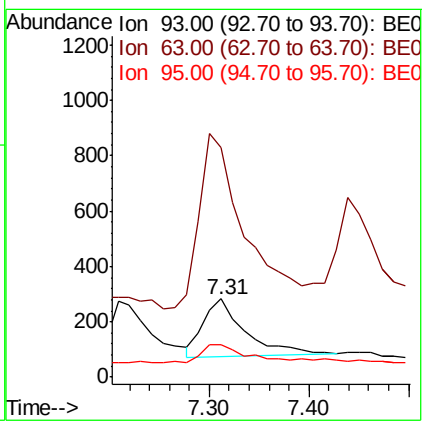


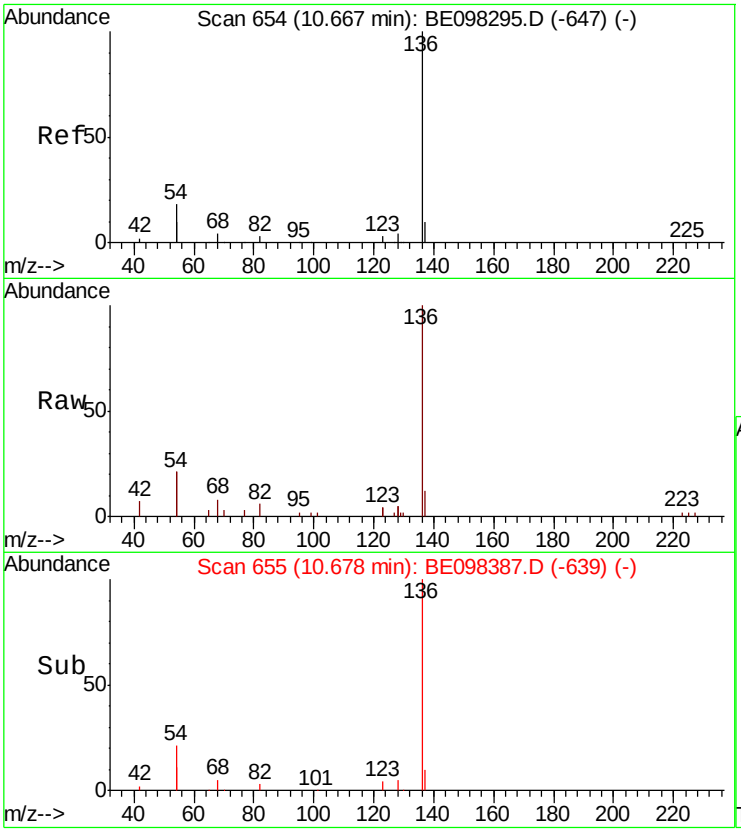


#6
bis(2-Chloroethyl)ether
Concen: 0.173 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.02 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion: 93 Resp: 627

Ion	Ratio	Lower	Upper
93	100		
63	321.9	264.4	396.6
95	31.3	26.6	40.0



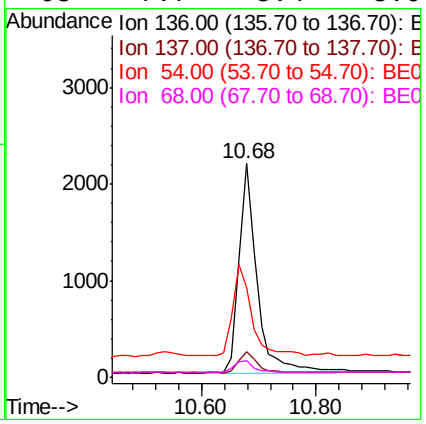


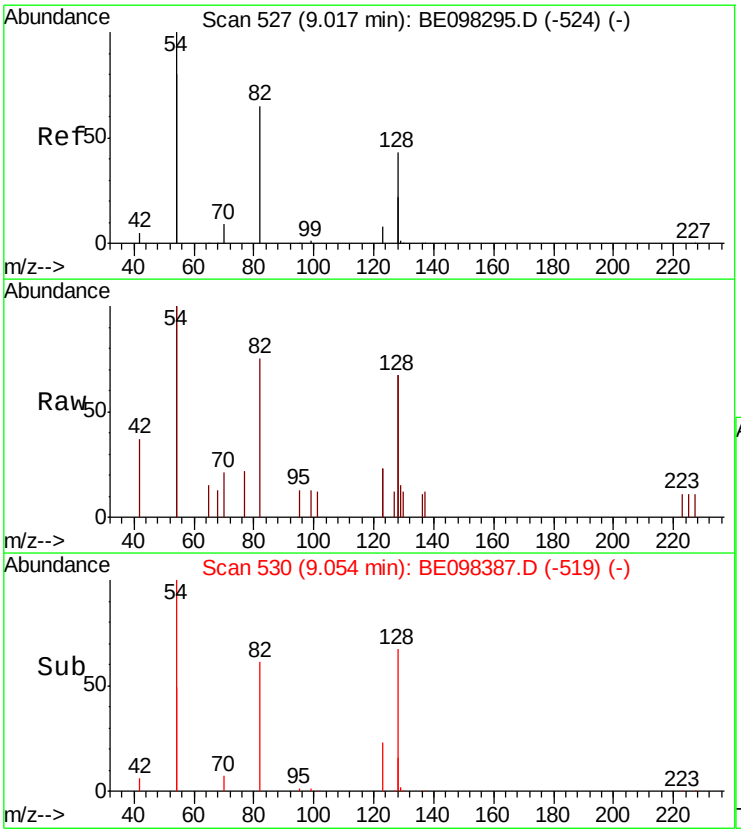
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 4718

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.2	13.8
54	42.1	28.4	42.6
68	7.7	5.4	8.0

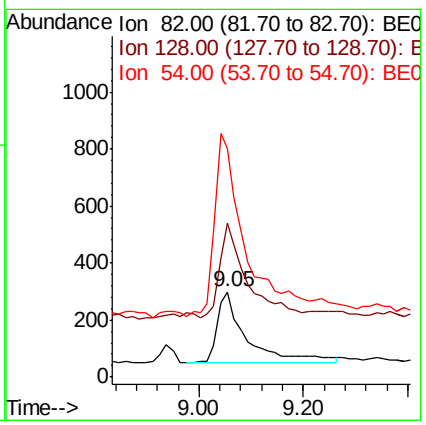


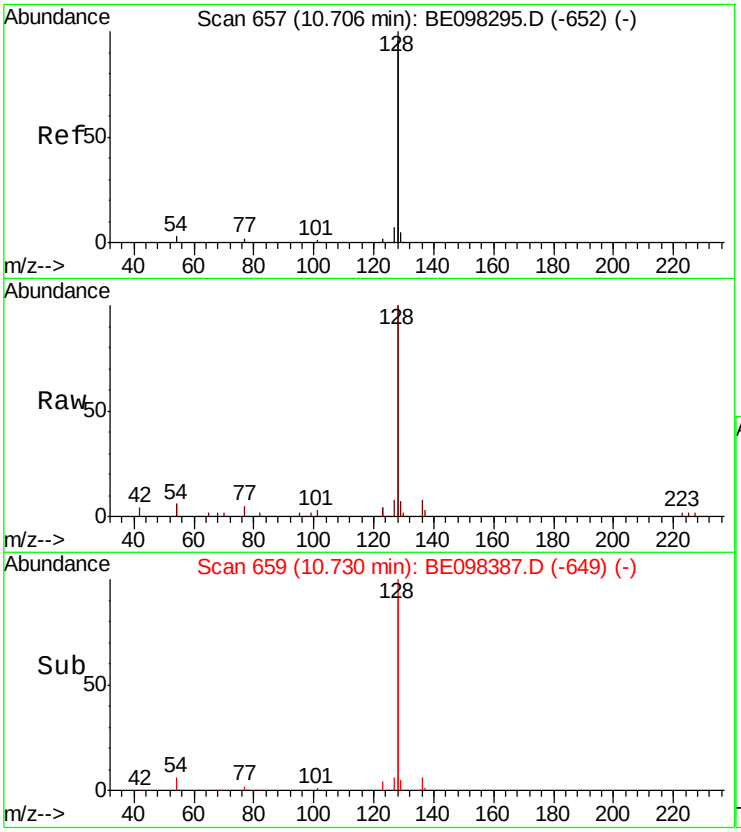


#8
Nitrobenzene-d5
Concen: 0.226 ng
RT: 9.05 min Scan# 530
Delta R.T. 0.04 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion: 82 Resp: 970

Ion	Ratio	Lower	Upper
82	100		
128	179.9	102.4	153.6#
54	268.2	221.8	332.8



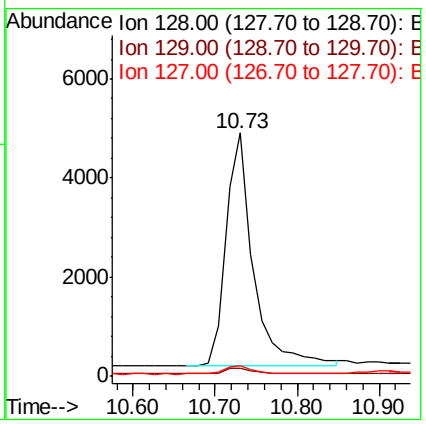


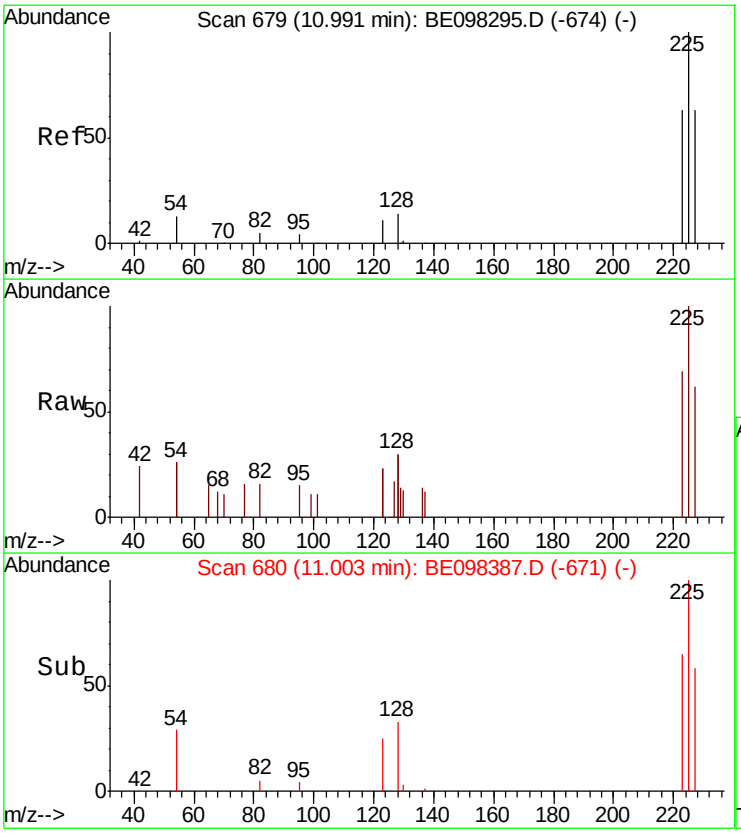
#9
Naphthalene
Concen: 0.230 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.02 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 10915

Ion	Ratio	Lower	Upper
128	100		
129	3.5	2.5	3.7
127	4.2	2.7	4.1#

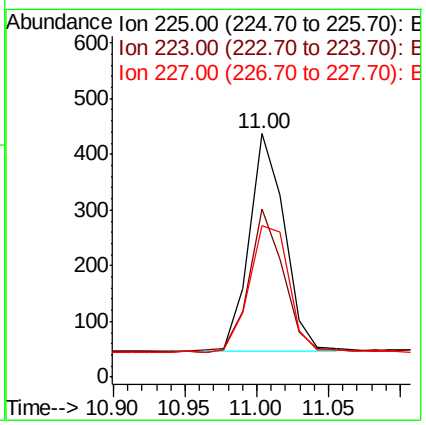


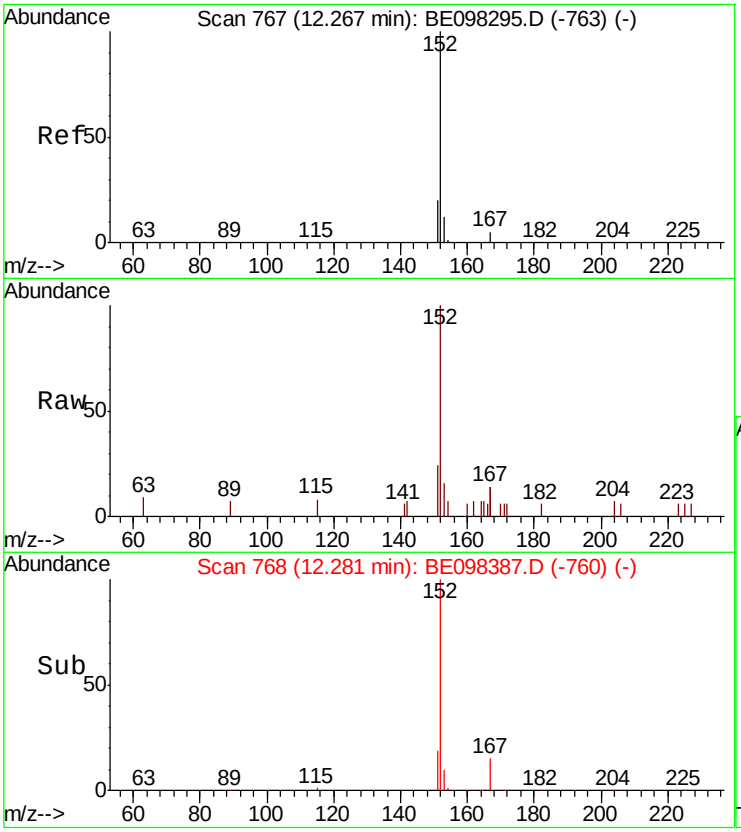


#10
Hexachlorobutadiene
Concen: 0.221 ng
RT: 11.00 min Scan# 680
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:225 Resp: 668

Ion	Ratio	Lower	Upper
225	100		
223	64.8	49.4	74.0
227	65.7	52.0	78.0



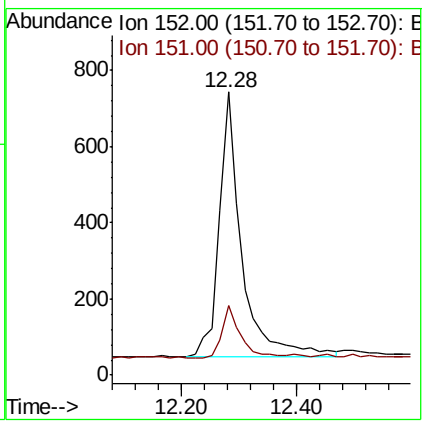


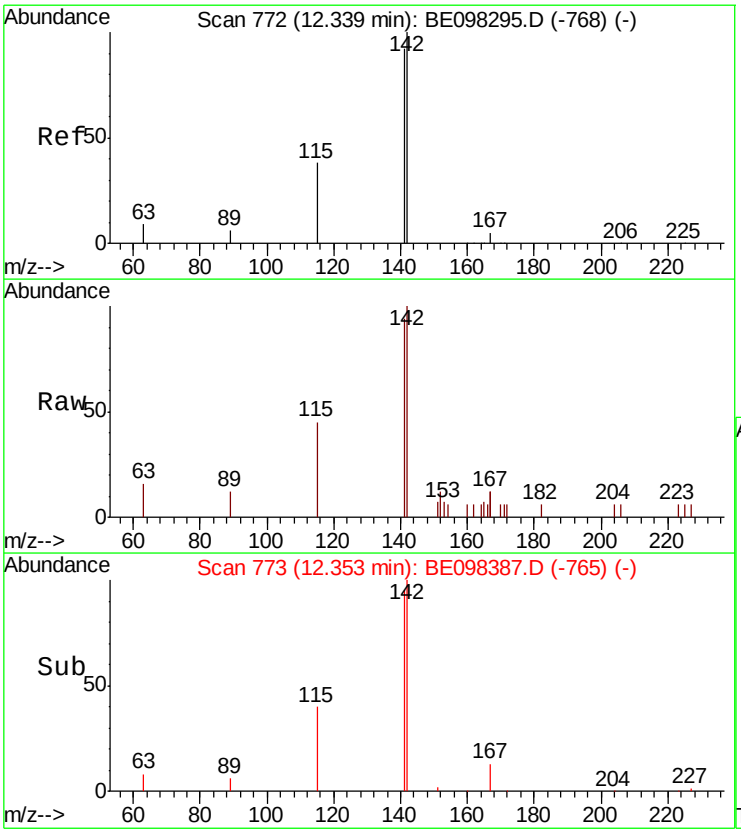
#11
2-Methylnaphthalene-d10
Concen: 0.246 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1889

Ion	Ratio	Lower	Upper
152	100		
151	16.7	16.2	24.4

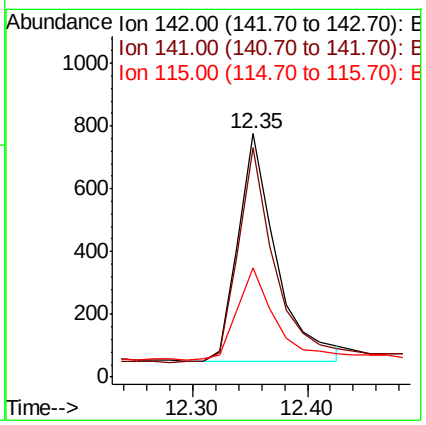


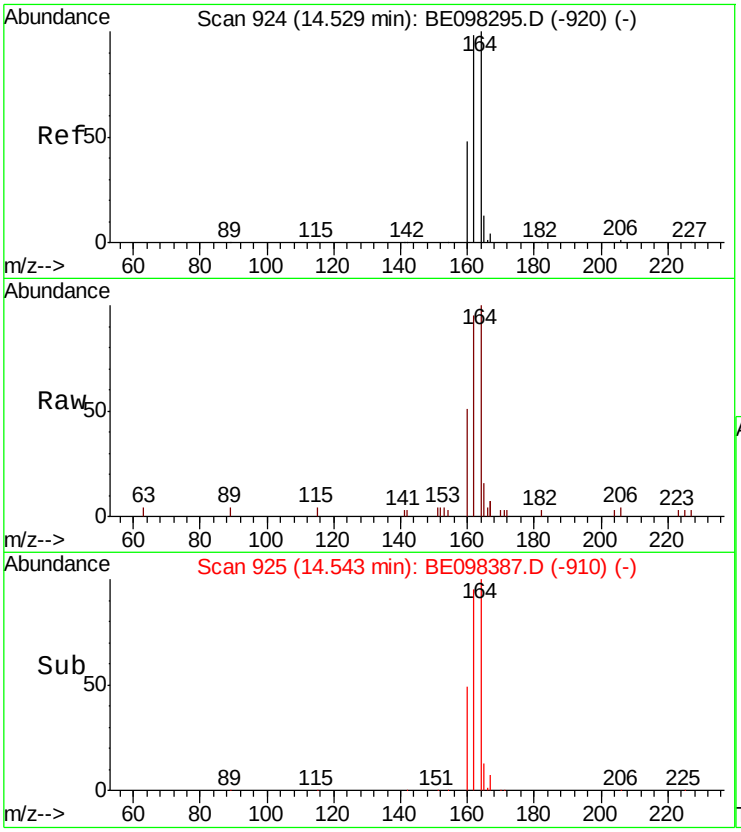


#12
2-Methylnaphthalene
Concen: 0.217 ng
RT: 12.35 min Scan# 773
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:142 Resp: 1674

Ion	Ratio	Lower	Upper
142	100		
141	94.5	71.0	106.6
115	45.1	32.2	48.2



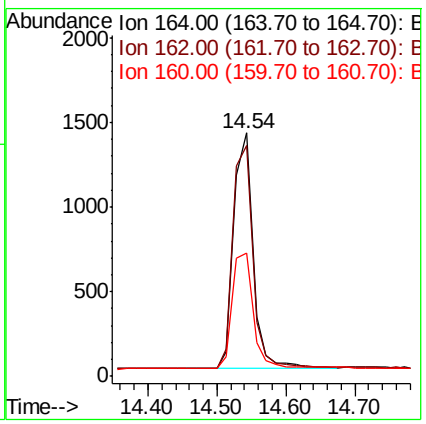


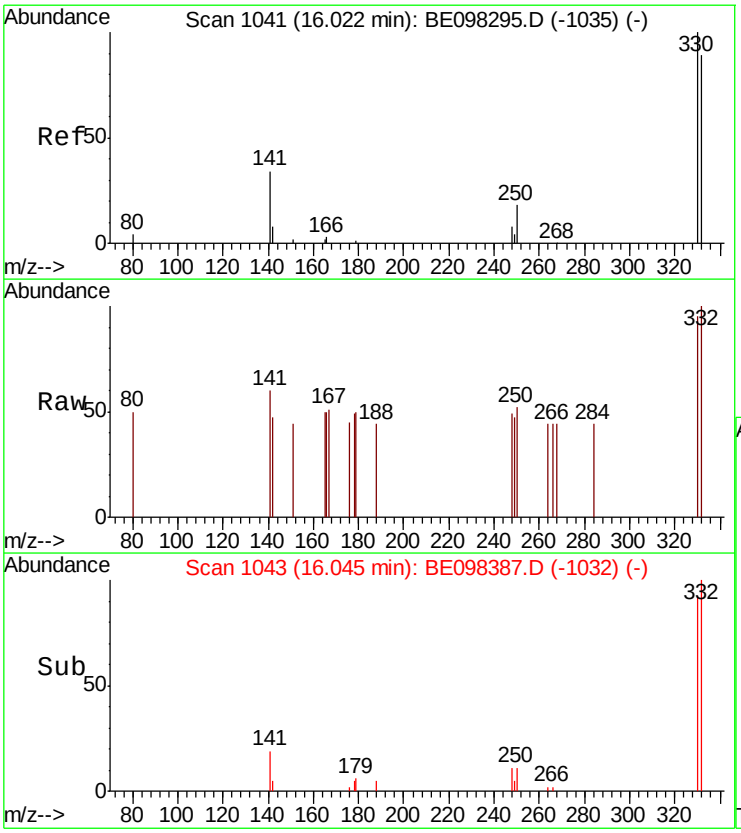
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 2716

Ion	Ratio	Lower	Upper
164	100		
162	94.8	77.6	116.4
160	50.7	36.0	54.0

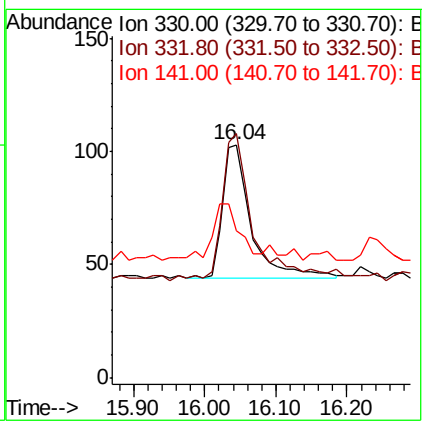


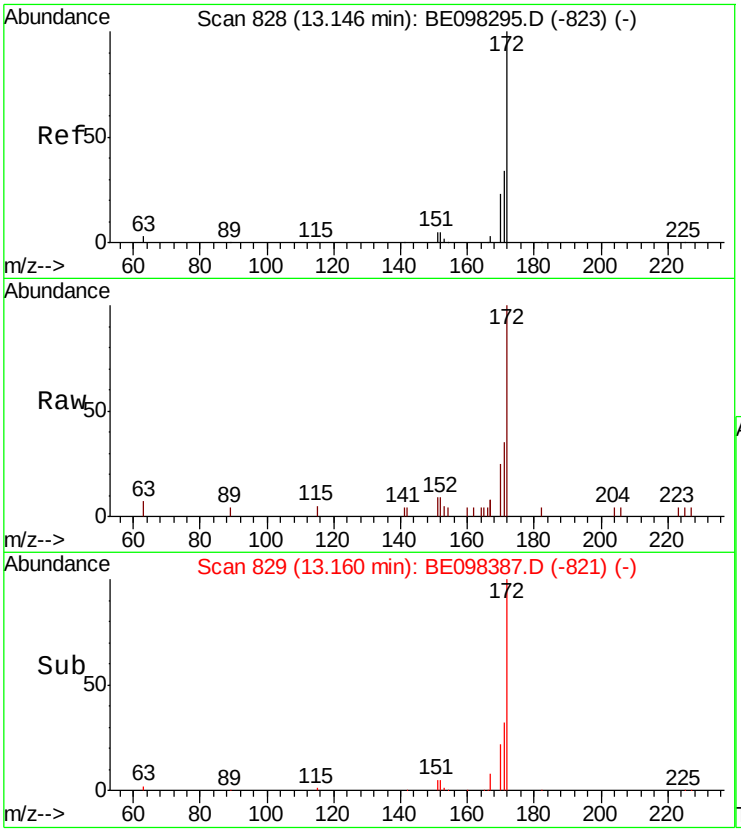


#14
2,4,6-Tribromophenol
Concen: 0.165 ng
RT: 16.04 min Scan# 1043
Delta R.T. 0.02 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:330 Resp: 165

Ion	Ratio	Lower	Upper
330	100		
332	112.7	76.2	114.4
141	0.0	39.0	58.4#



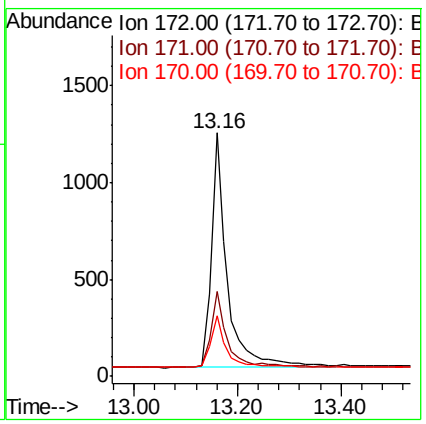


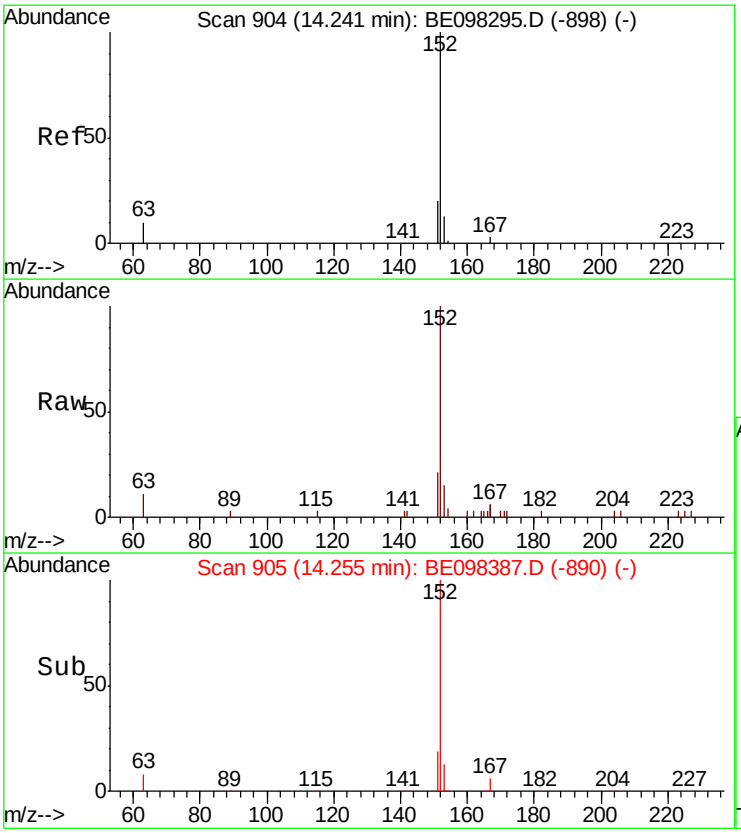
#15
2-Fluorobiphenyl
Concen: 0.232 ng
RT: 13.16 min Scan# 829
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 2654

Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.5	41.3
170	24.9	19.6	29.4

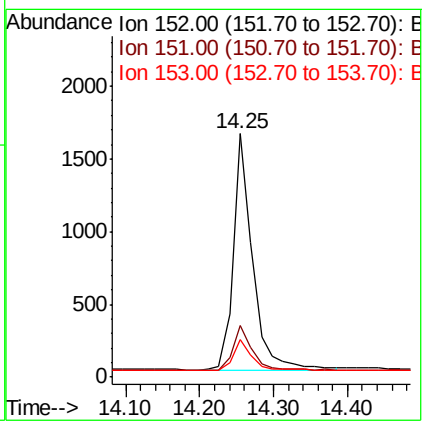


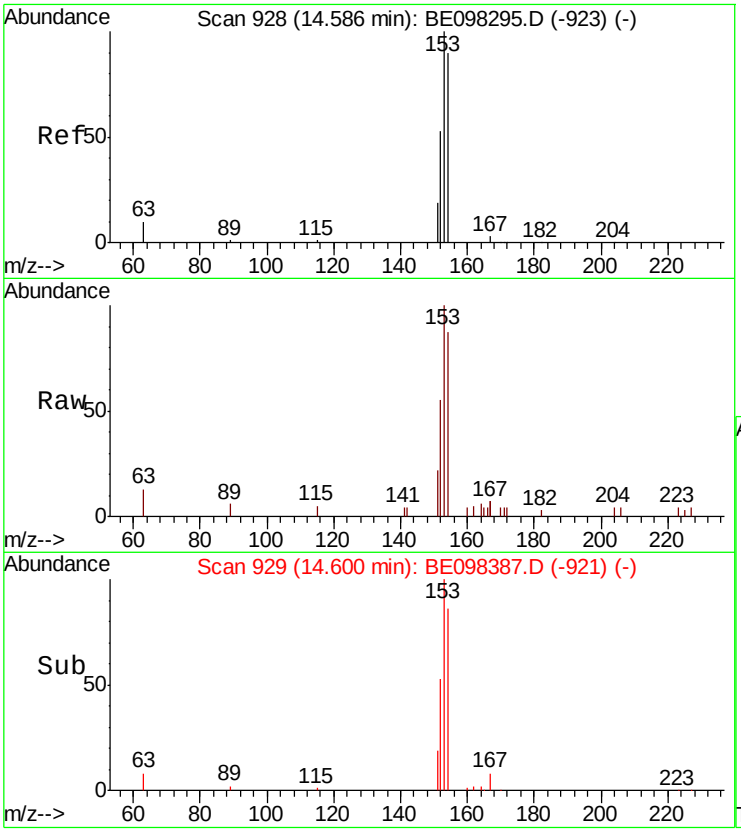


#16
Acenaphthylene
Concen: 0.232 ng
RT: 14.25 min Scan# 905
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:152 Resp: 2950

Ion	Ratio	Lower	Upper
152	100		
151	19.0	15.5	23.3
153	13.3	10.6	16.0



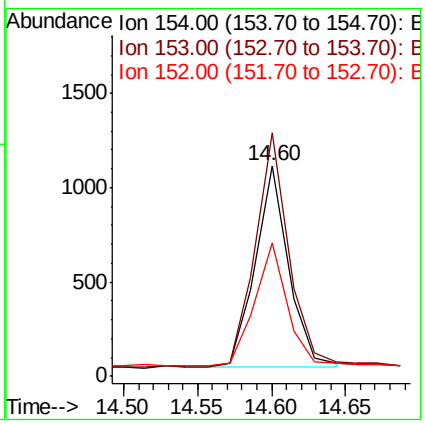


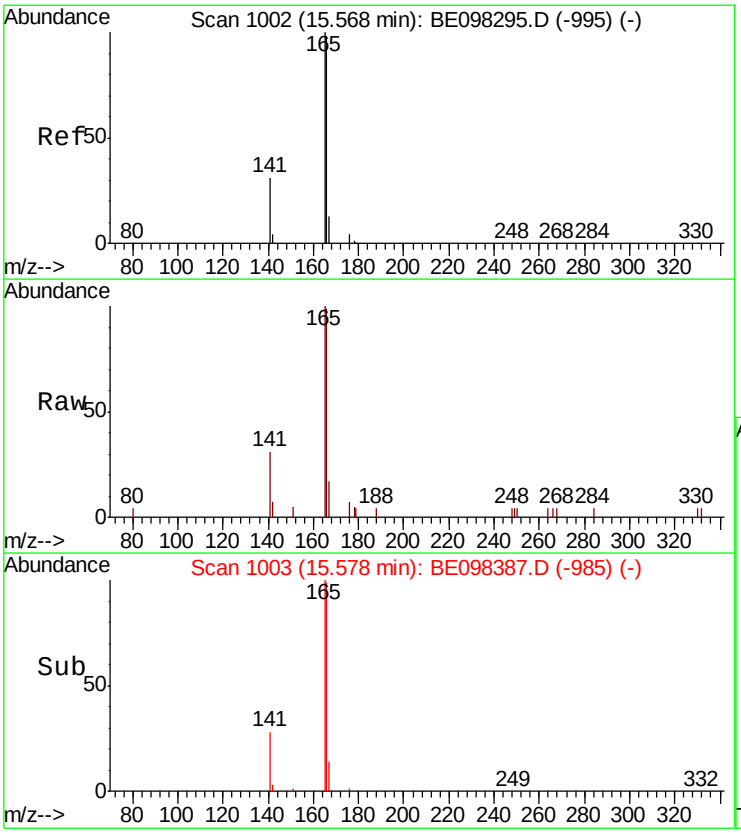
#17
Acenaphthene
Concen: 0.218 ng
RT: 14.60 min Scan# 929
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 1669

Ion	Ratio	Lower	Upper
154	100		
153	115.7	91.8	137.6
152	60.0	45.5	68.3

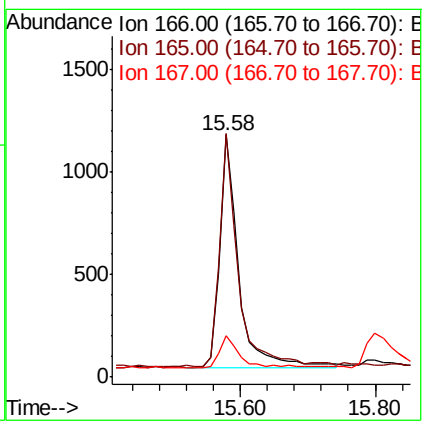


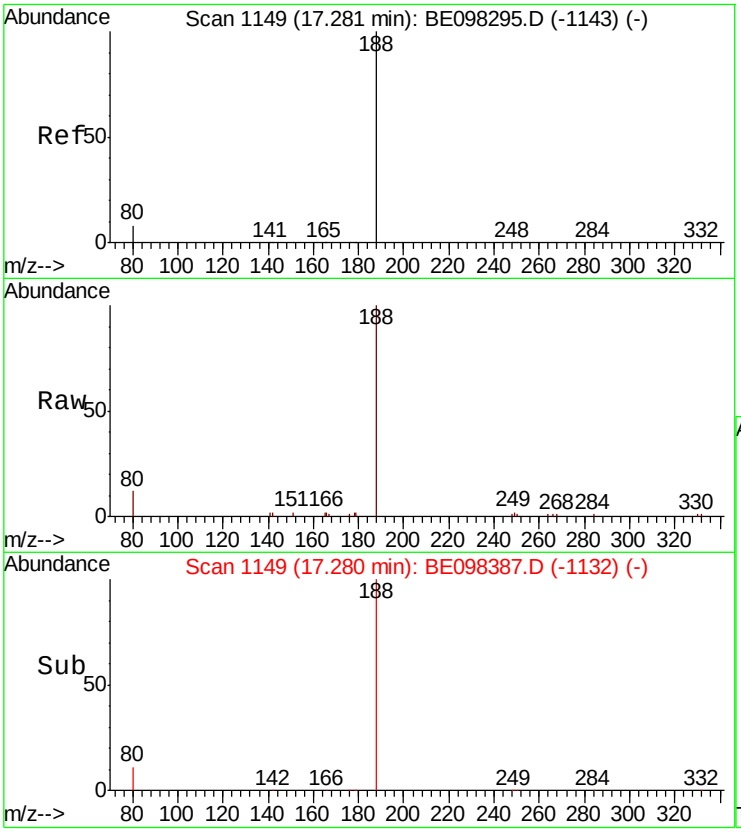


#18
Fluorene
Concen: 0.219 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:166 Resp: 2244

Ion	Ratio	Lower	Upper
166	100		
165	98.7	79.3	118.9
167	14.7	11.3	16.9



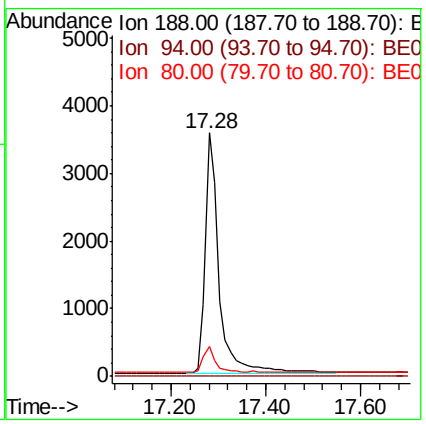


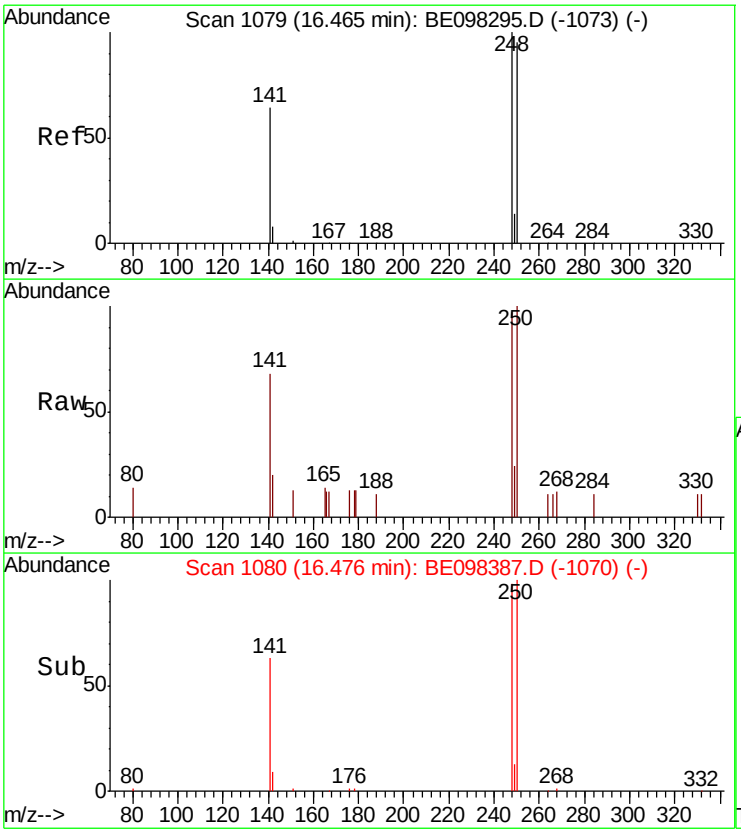
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. -0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 7304

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.2	7.2	10.8#

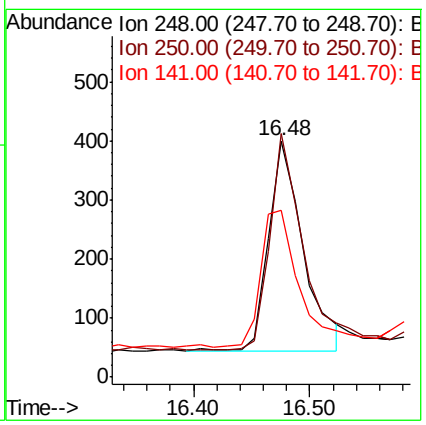


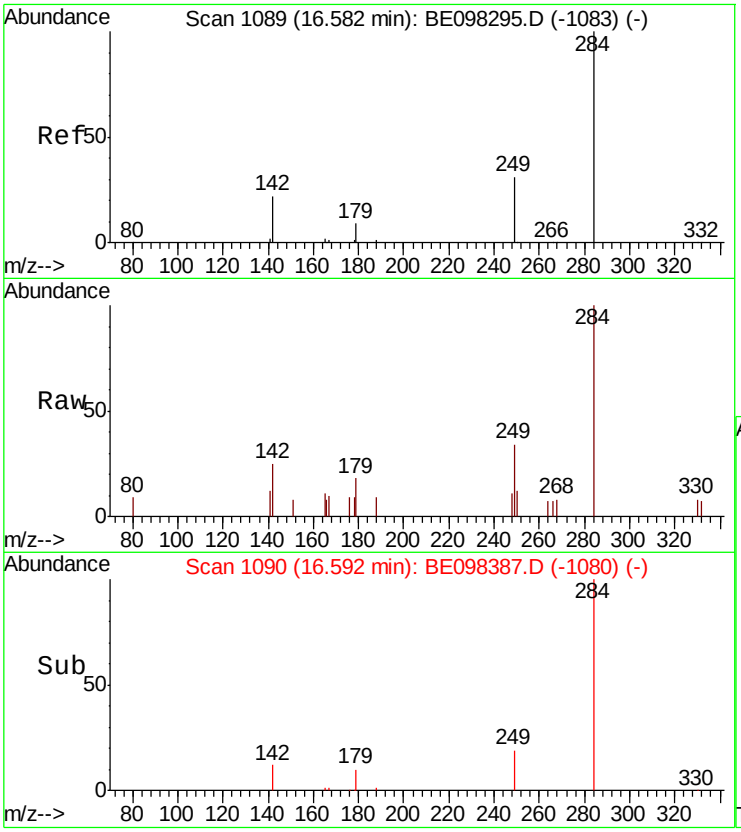


#20
4-Bromophenyl-phenylether
Concen: 0.186 ng
RT: 16.48 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:248 Resp: 732

Ion	Ratio	Lower	Upper
248	100		
250	103.0	71.0	106.6
141	70.5	62.1	93.1



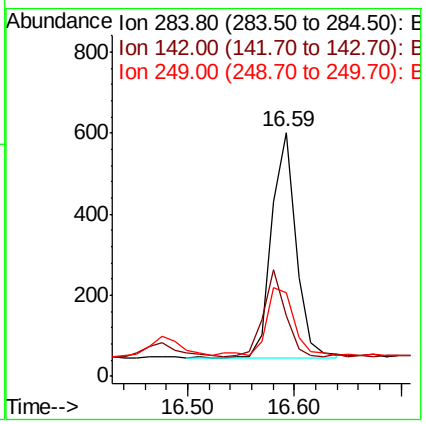


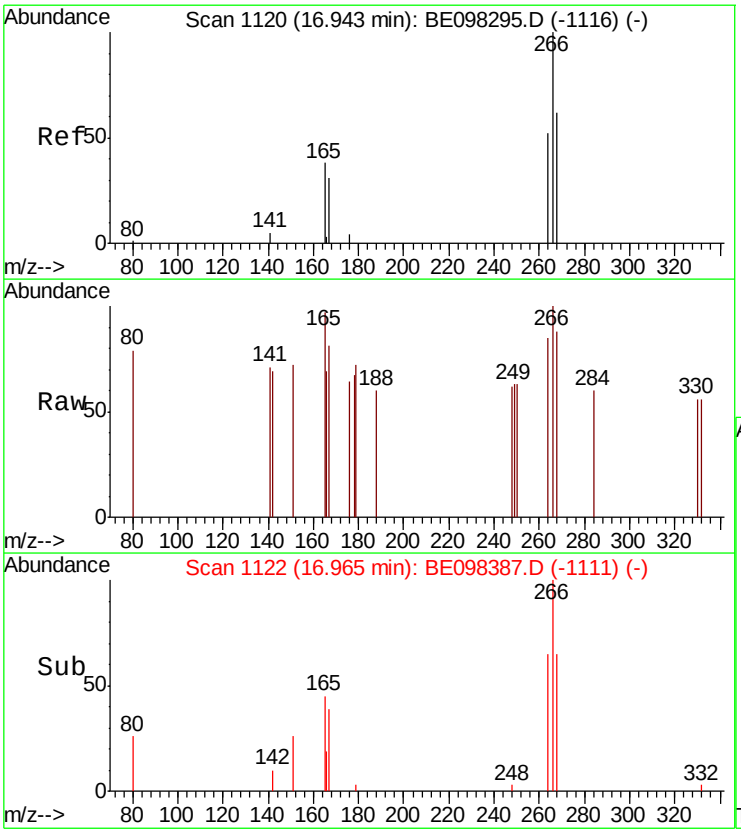
#21
Hexachlorobenzene
Concen: 0.210 ng
RT: 16.59 min Scan# 1090
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 887

Ion	Ratio	Lower	Upper
284	100		
142	34.6	26.3	39.5
249	31.8	26.0	39.0

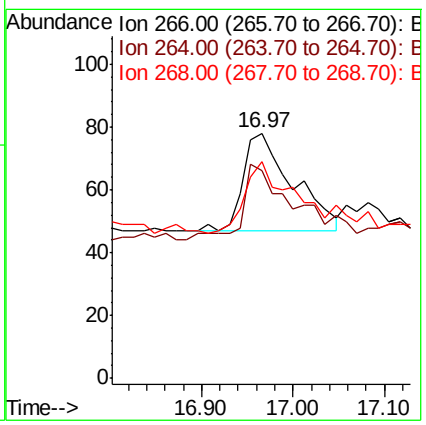


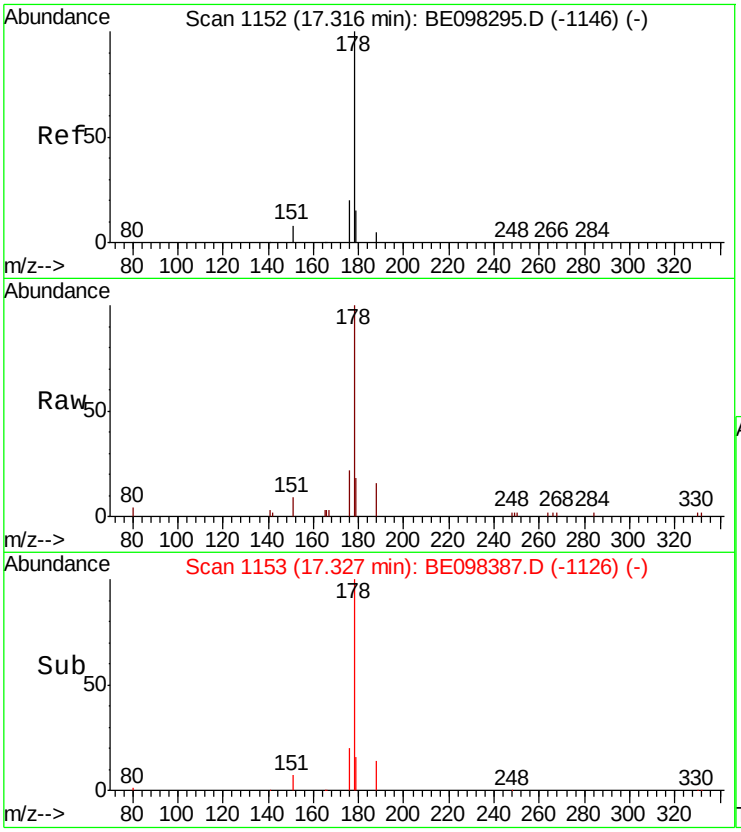


#22
Pentachlorophenol
Concen: 0.192 ng
RT: 16.97 min Scan# 1122
Delta R.T. 0.02 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:266 Resp: 117

Ion	Ratio	Lower	Upper
266	100		
264	84.6	59.0	88.4
268	88.5	55.1	82.7#



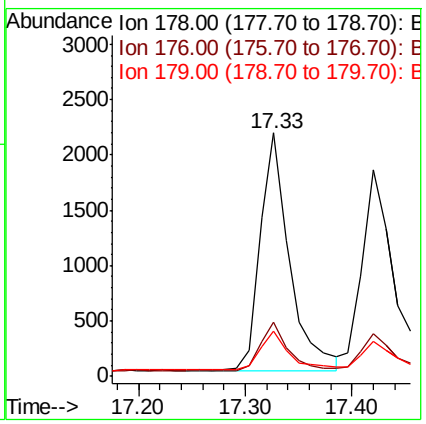


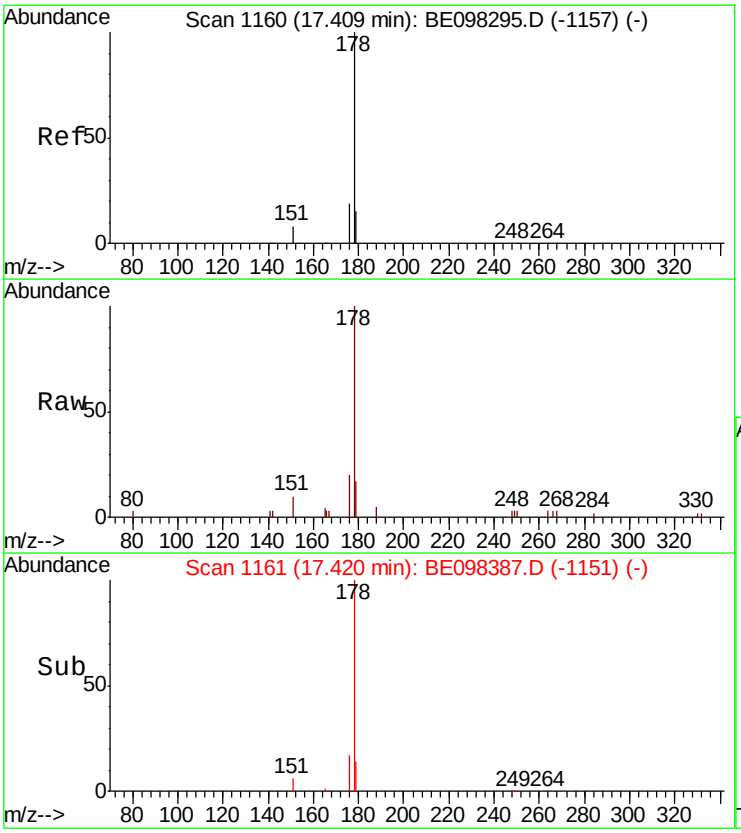
#23
Phenanthrene
Concen: 0.231 ng
RT: 17.33 min Scan# 1153
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 4108

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.9	23.9
179	16.1	12.3	18.5

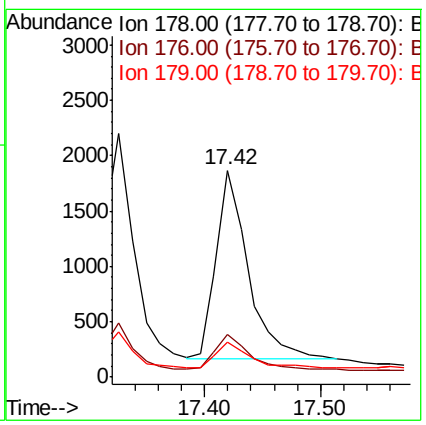


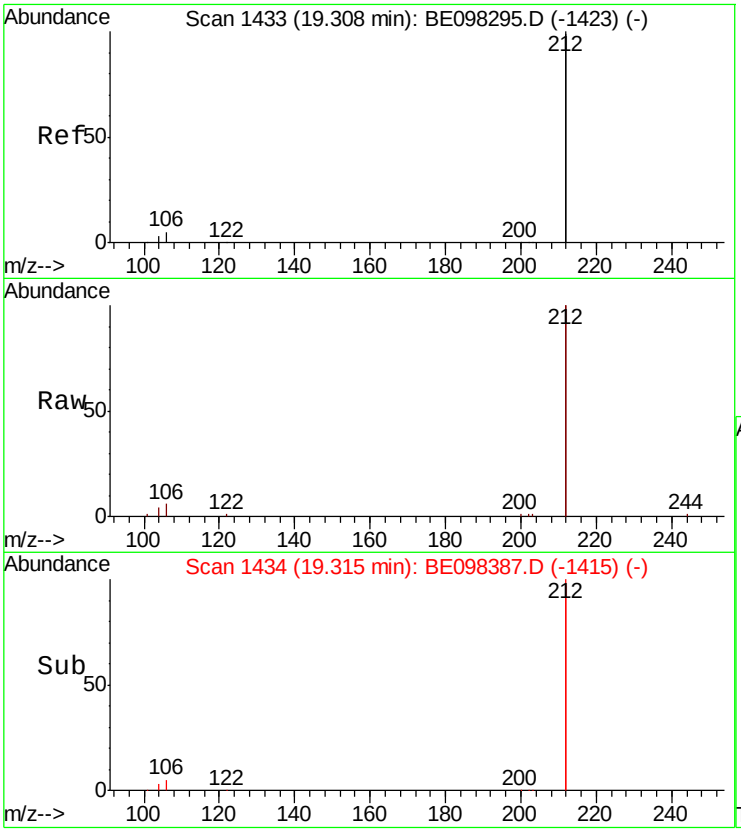


#24
Anthracene
Concen: 0.206 ng
RT: 17.42 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:178 Resp: 3266

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	14.8	12.3	18.5



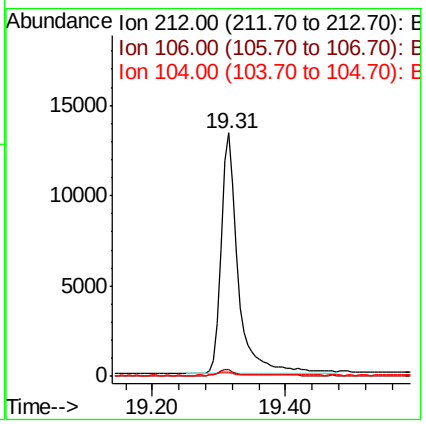


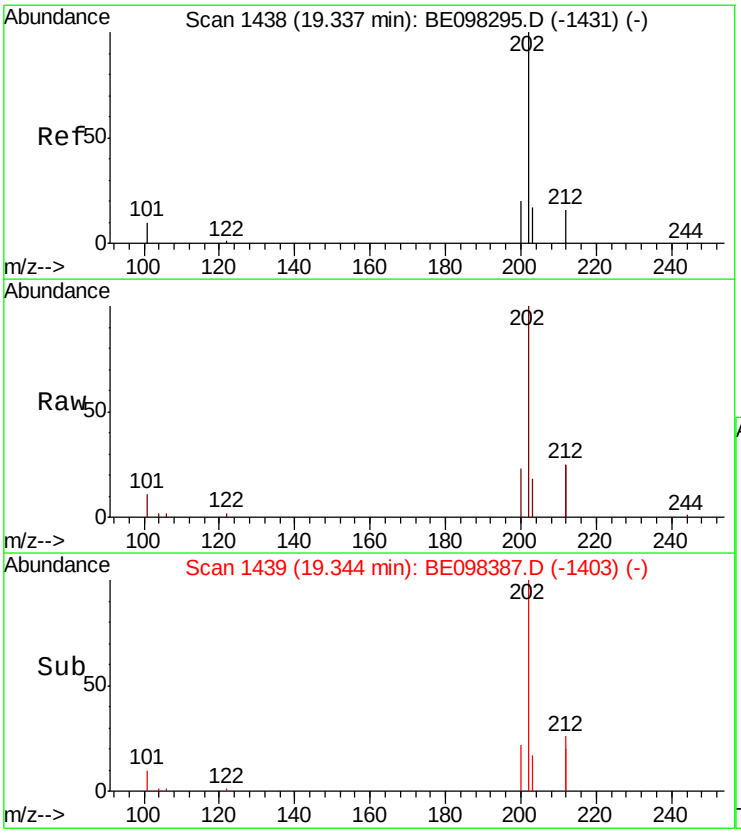
#25
Fluoranthene-d10
Concen: 0.248 ng
RT: 19.31 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 23242

Ion	Ratio	Lower	Upper
212	100		
106	2.5	2.2	3.2
104	1.6	1.3	1.9

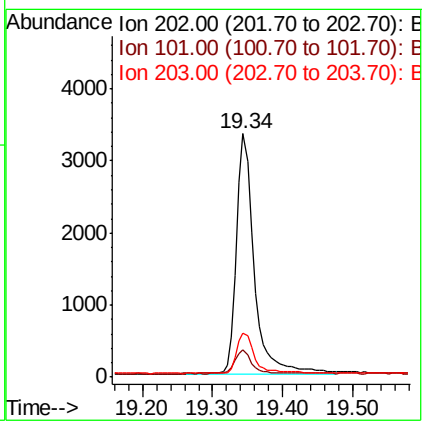


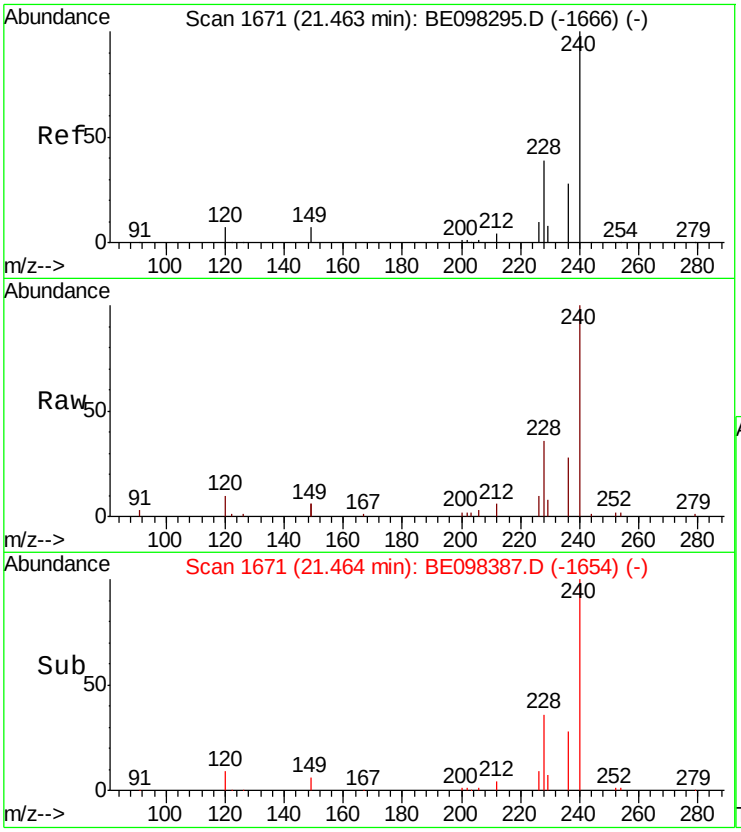


#26
Fluoranthene
Concen: 0.248 ng
RT: 19.34 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:202 Resp: 5821

Ion	Ratio	Lower	Upper
202	100		
101	9.7	8.0	12.0
203	16.8	13.8	20.6



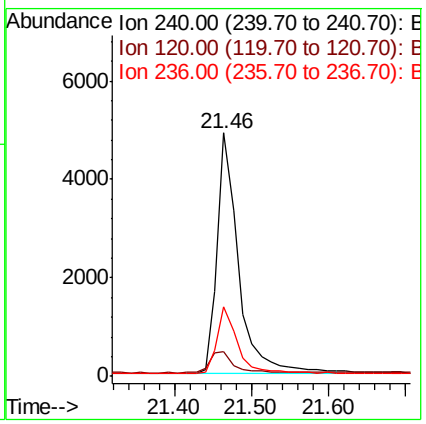


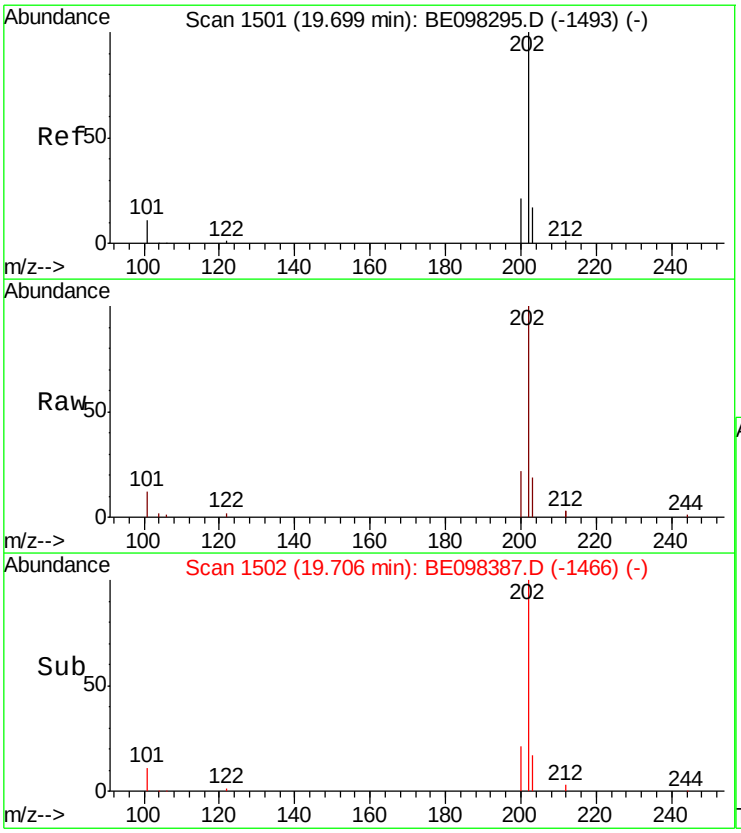
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 9470

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	28.5	22.7	34.1

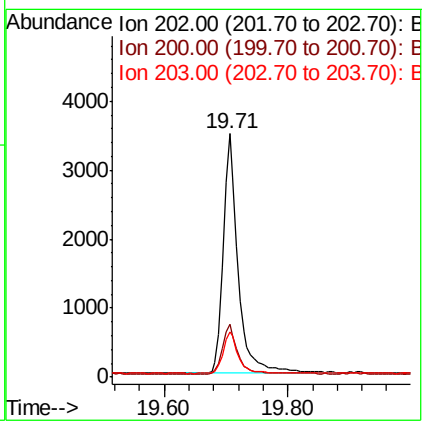


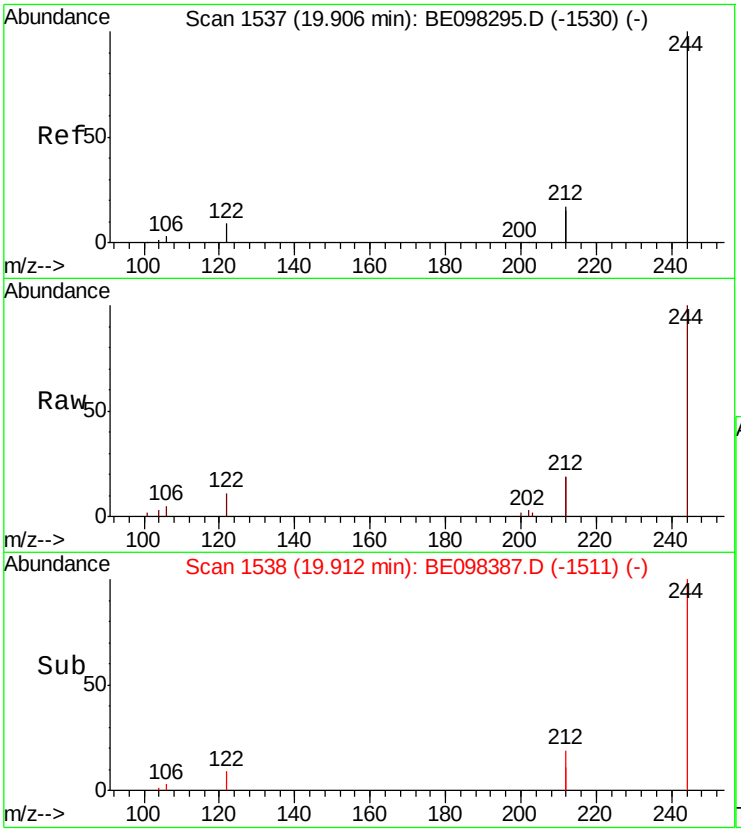


#28
Pyrene
Concen: 0.197 ng
RT: 19.71 min Scan# 1502
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:202 Resp: 5847

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.7	25.1
203	17.9	14.1	21.1



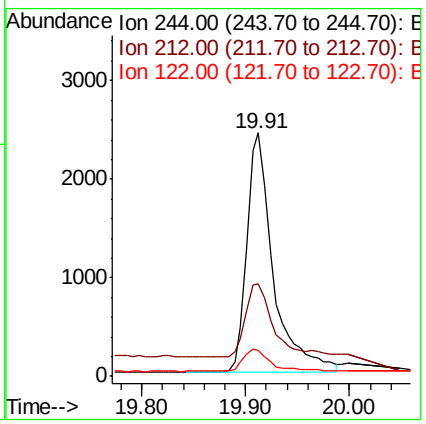


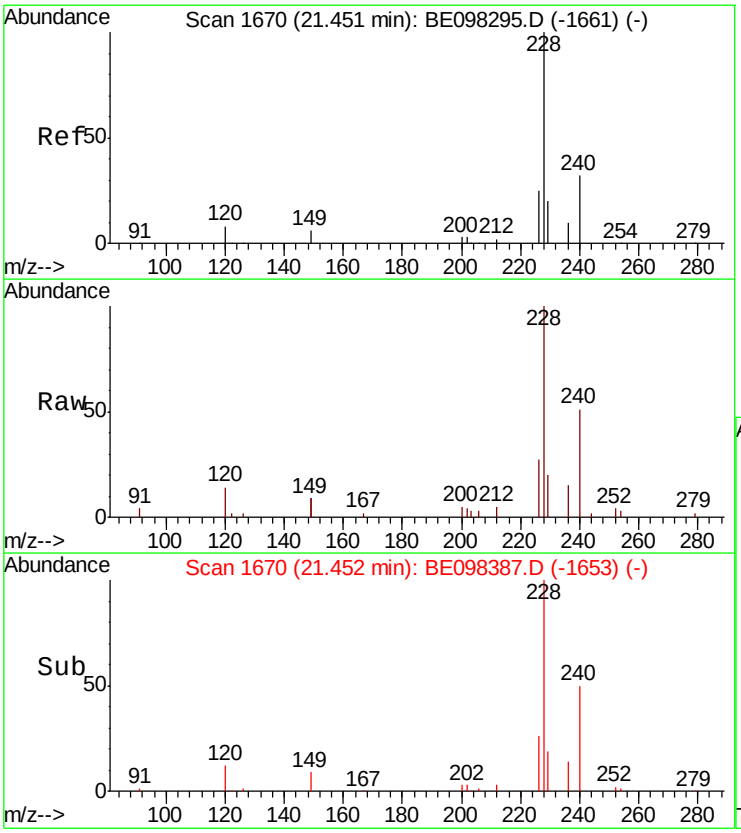
#29
Terphenyl-d14
Concen: 0.187 ng
RT: 19.91 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 4294

Ion	Ratio	Lower	Upper
244	100		
212	37.9	27.4	41.0
122	10.6	8.3	12.5

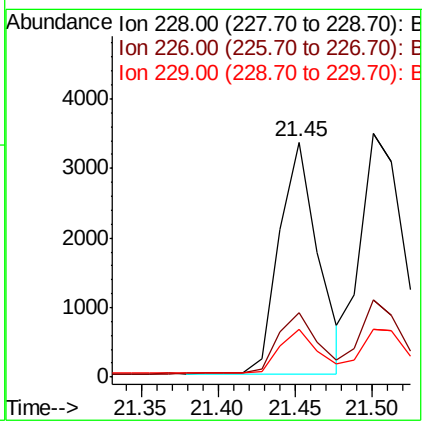


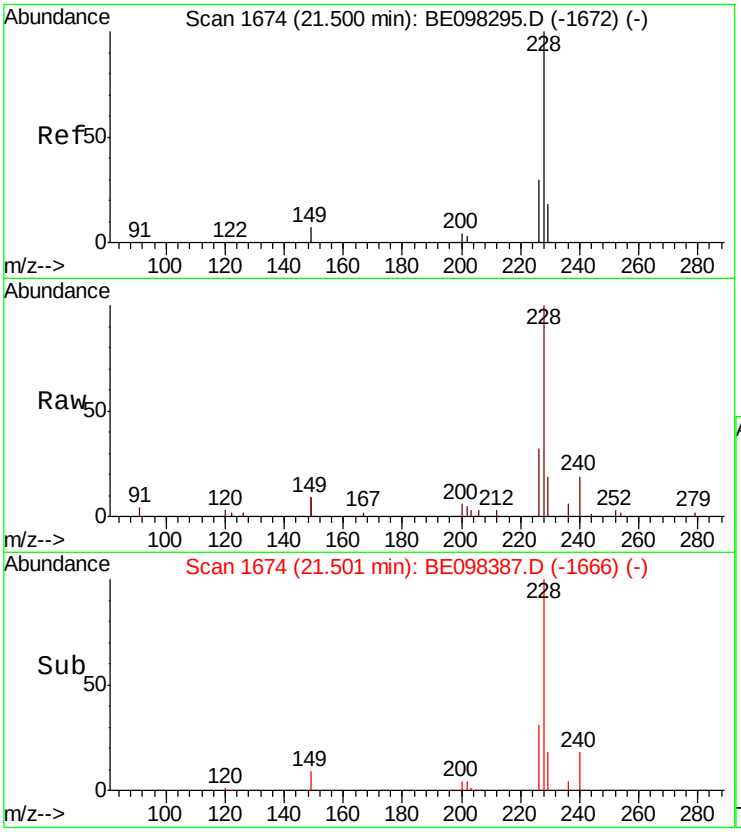


#30
Benzo(a)anthracene
Concen: 0.217 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:228 Resp: 5852

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.8	32.8
229	20.4	16.3	24.5



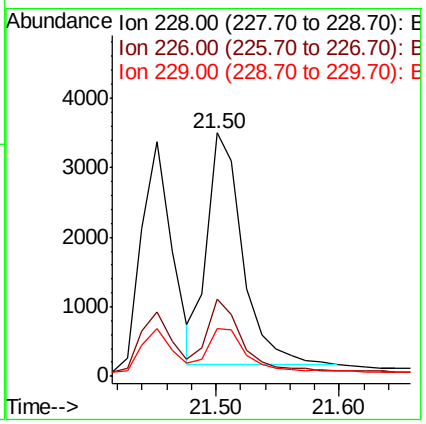


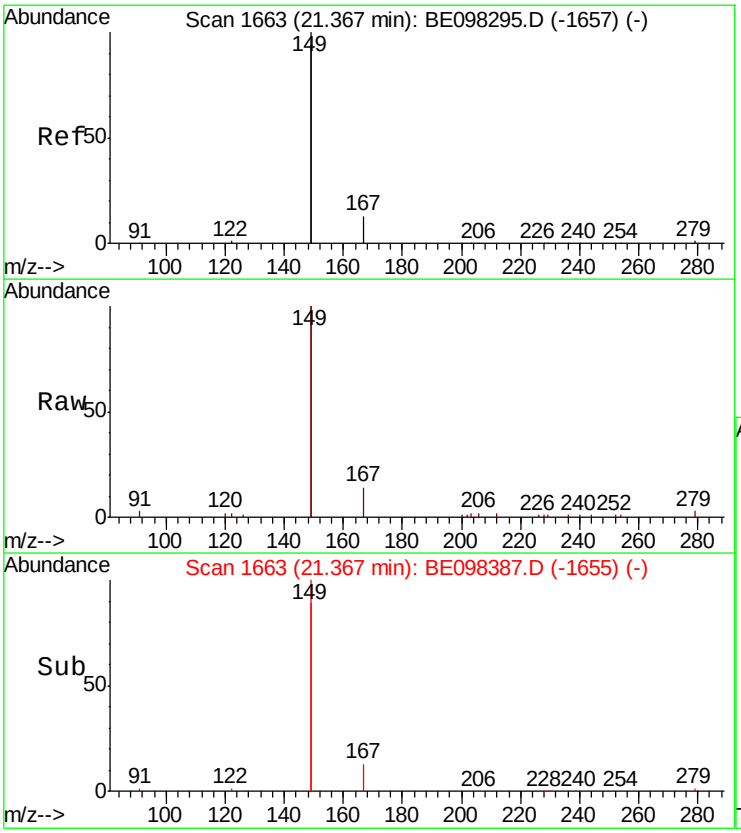
#31
Chrysene
Concen: 0.238 ng
RT: 21.50 min Scan# 1674
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 6714

Ion	Ratio	Lower	Upper
228	100		
226	31.7	23.4	35.0
229	19.4	16.2	24.4

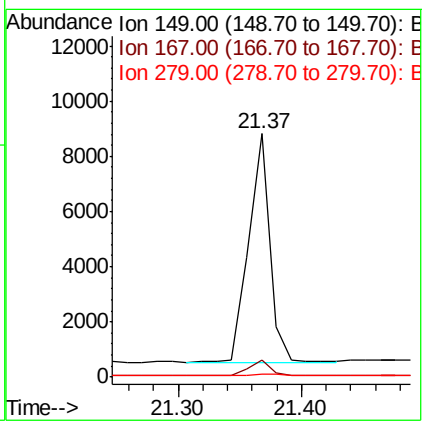


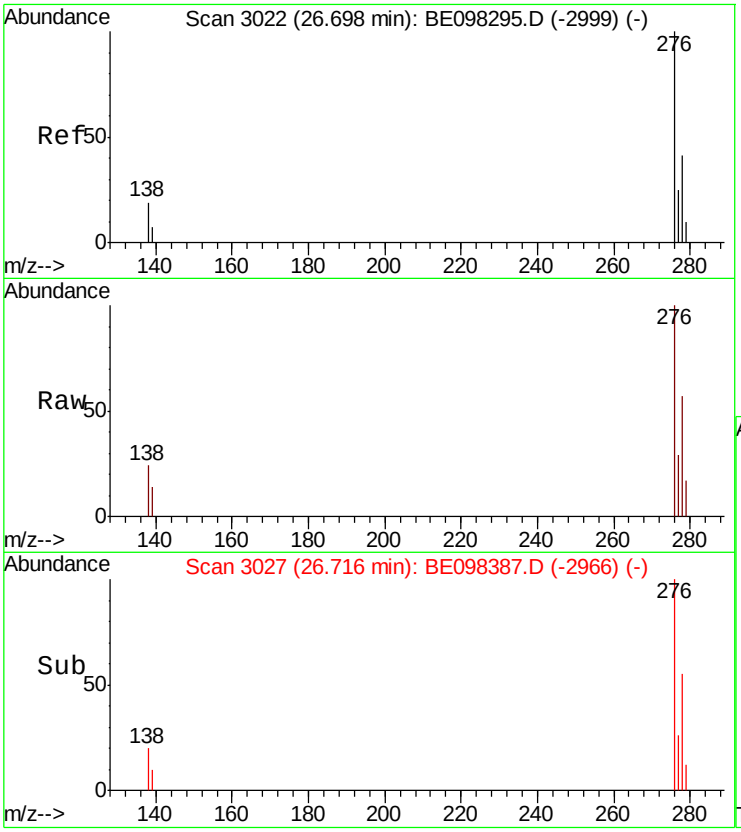


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.184 ng
RT: 21.37 min Scan# 1663
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:149 Resp: 10096

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.7	8.5
279	1.2	1.0	1.4



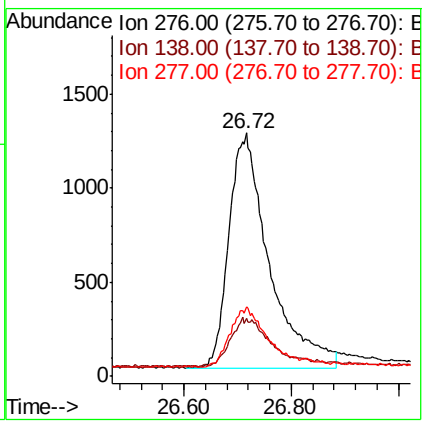


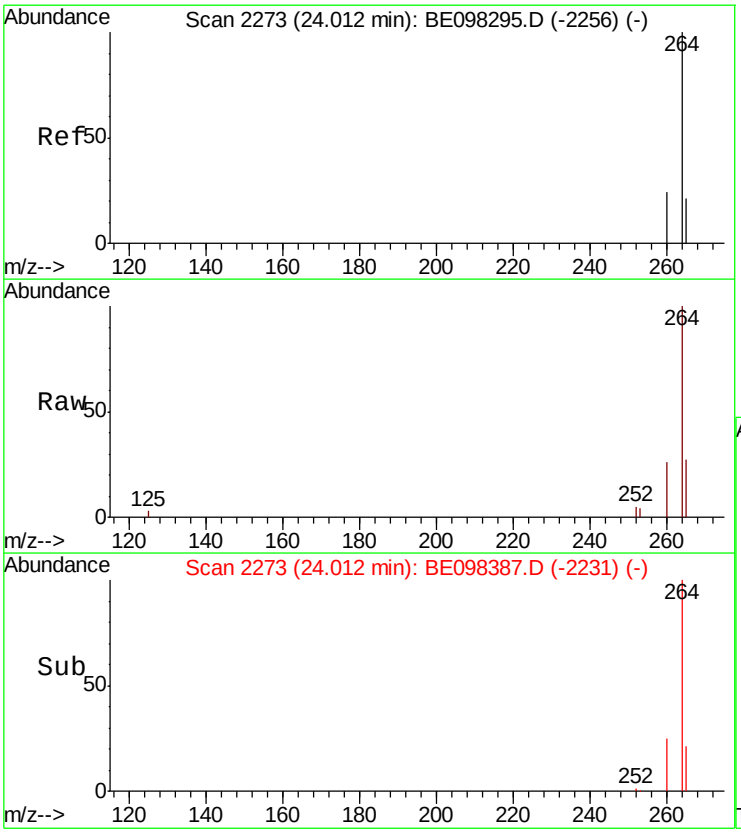
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.231 ng
RT: 26.72 min Scan# 3027
Delta R.T. 0.02 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 6496

Ion	Ratio	Lower	Upper
276	100		
138	7.1	16.3	24.5#
277	23.3	20.2	30.4

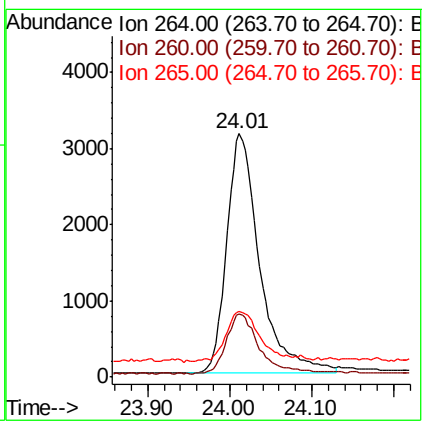


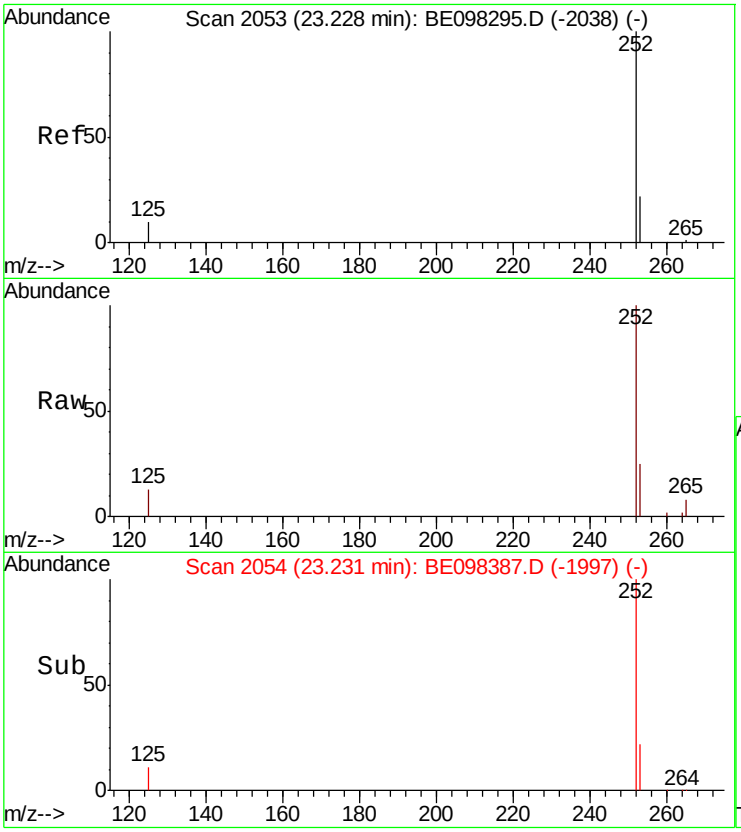


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.01 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:264 Resp: 8818

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.2	30.2
265	26.9	25.2	37.8



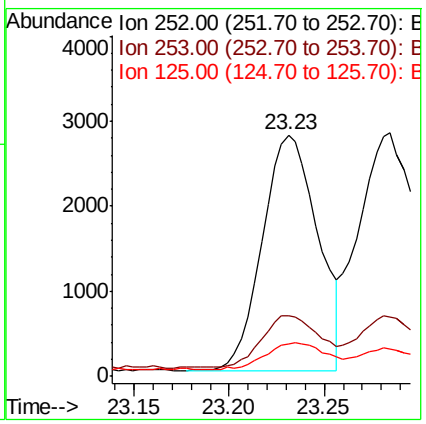


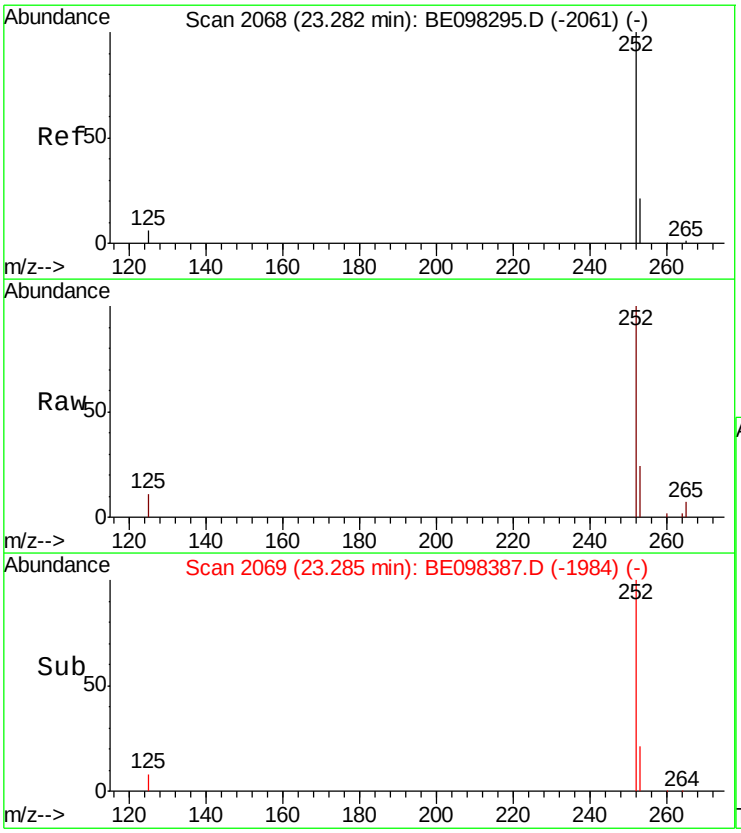
#35
Benzo(b)fluoranthene
Concen: 0.232 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 5594

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.0	30.0
125	13.4	9.6	14.4

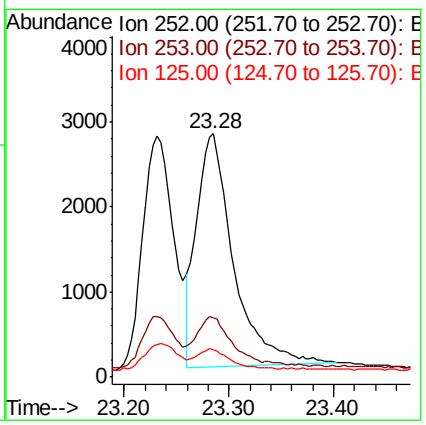


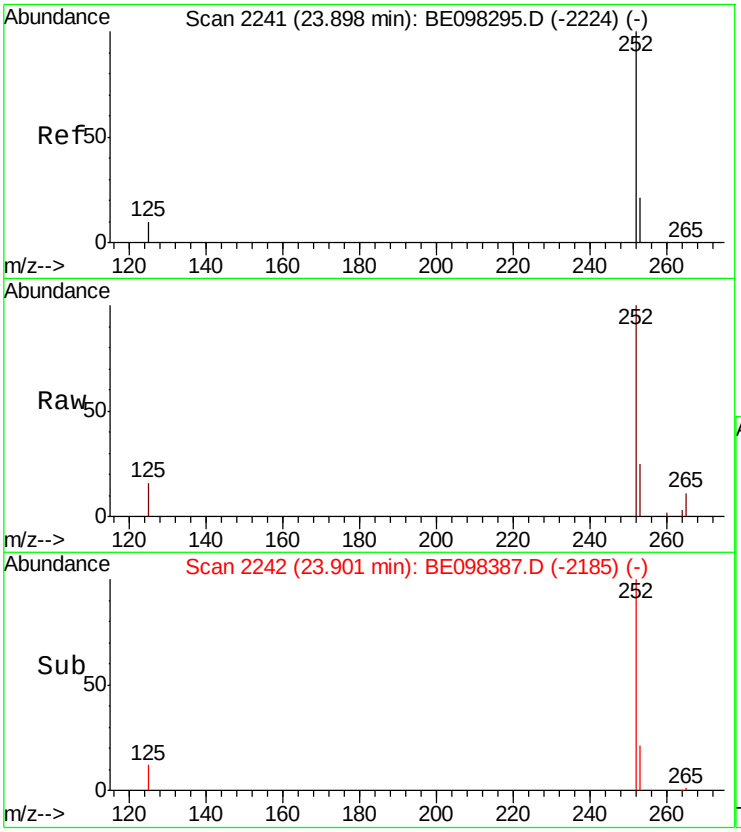


#36
Benzo(k)fluoranthene
Concen: 0.241 ng
RT: 23.28 min Scan# 2069
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:252 Resp: 6773

Ion	Ratio	Lower	Upper
252	100		
253	24.4	19.0	28.6
125	11.0	9.1	13.7



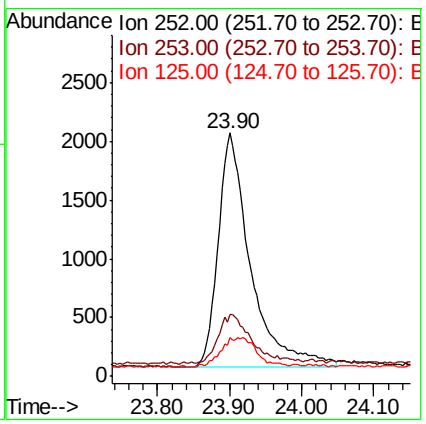


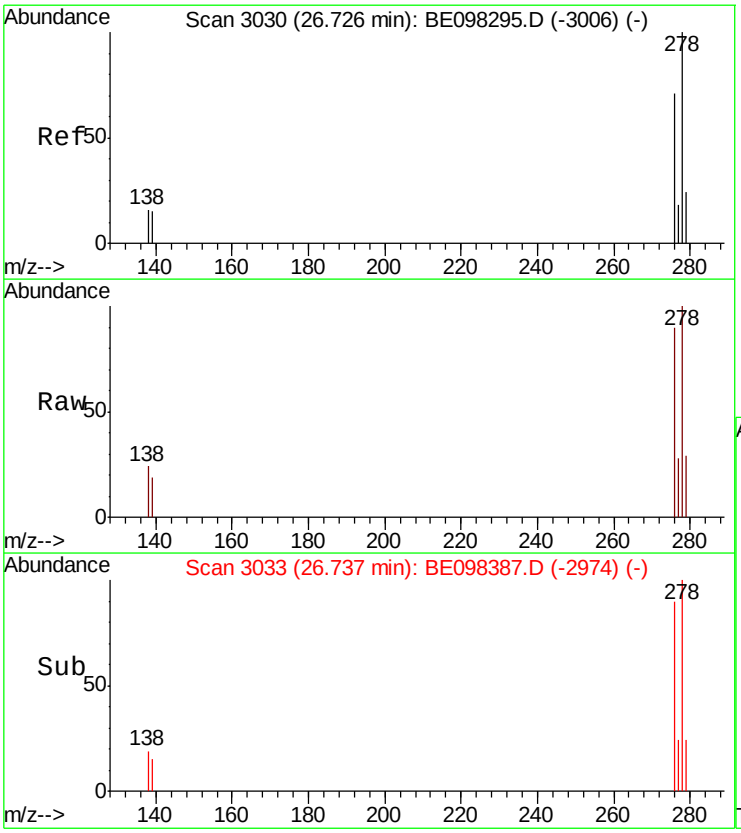
#37
Benzo(a)pyrene
Concen: 0.246 ng
RT: 23.90 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 6132

Ion	Ratio	Lower	Upper
252	100		
253	25.3	20.6	30.8
125	15.8	10.5	15.7#

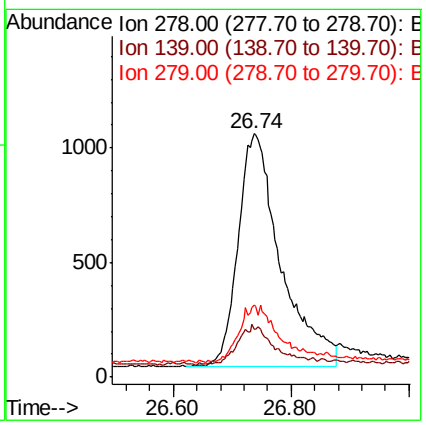


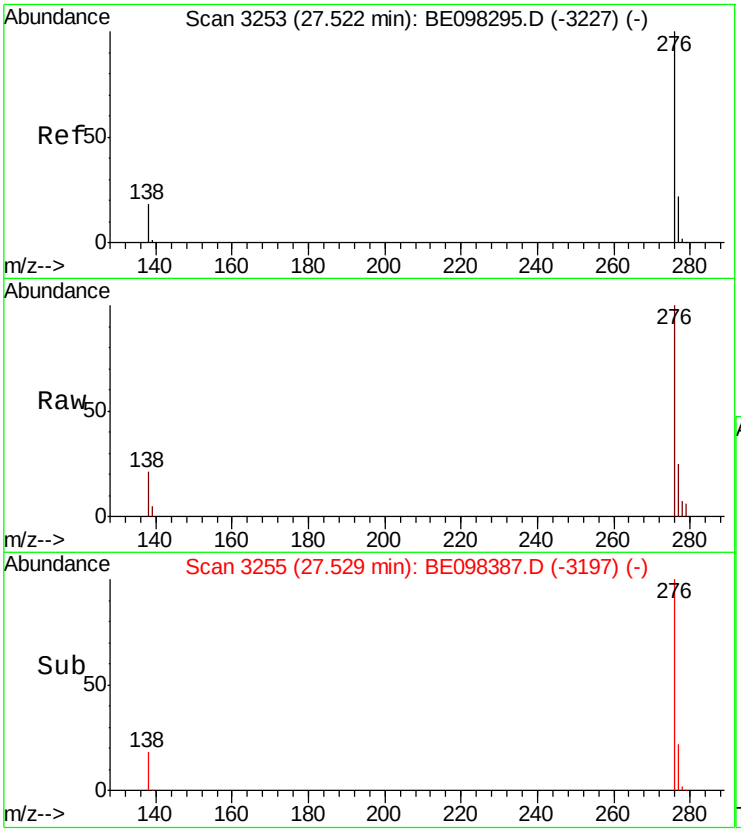


#38
Dibenzo(a,h)anthracene
Concen: 0.218 ng
RT: 26.74 min Scan# 3033
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Tgt Ion:278 Resp: 5103

Ion	Ratio	Lower	Upper
278	100		
139	19.4	14.5	21.7
279	29.4	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.241 ng
RT: 27.53 min Scan# 3255
Delta R.T. 0.01 min
Lab File: BE098387.D
Acq: 13 Dec 2018 8:56

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 5683

Ion	Ratio	Lower	Upper
276	100		
277	25.0	20.8	31.2
138	21.4	15.8	23.6