Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
Data File : BE098616.D
Acq On : 4 Jan 2019 15:37
Operator : SJ/JU
Sample : PB116164BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB116164BSD

Quant Time: Jan 04 21:12:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1162	0.40	ng		0.01
7) Naphthalene-d8	10.60	136	4633	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	2546	0.40	ng		0.02
19) Phenanthrene-d10	17.23	188	5463	0.40	ng		0.01
27) Chrysene-d12	21.41	240	6508	0.40	ng		0.01
34) Perylene-d12	23.93	264	7254	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	908	0.33	ng		0.02
5) Phenol-d6	7.00	99	1196	0.31	ng		0.01
8) Nitrobenzene-d5	8.98	82	1129	0.27	ng		0.02
11) 2-Methylnaphthalene-d10	12.21	152	2177	0.29	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	214	0.23	ng		0.01
15) 2-Fluorobiphenyl	13.10	172	2693	0.25	ng		0.02
25) Fluoranthene-d10	19.26	212	17788	0.25	ng		0.01
29) Terphenyl-d14	19.86	244	3660	0.23	ng		0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	448	0.223	ng	#	56
3) n-Nitrosodimethylamine	3.65	42	596	0.329	ng	#	100
6) bis(2-Chloroethyl)ether	7.24	93	838	0.229	ng		100
9) Naphthalene	10.65	128	12779	0.274	ng		99
10) Hexachlorobutadiene	10.94	225	824	0.278	ng		99
12) 2-Methylnaphthalene	12.28	142	1972	0.260	ng	#	87
16) Acenaphthylene	14.20	152	3071	0.257	ng		99
17) Acenaphthene	14.54	154	1824	0.255	ng		99
18) Fluorene	15.52	166	2414	0.252	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	751	0.255	ng		95
21) Hexachlorobenzene	16.53	284	852	0.270	ng		95
22) Pentachlorophenol	16.89	266	511	0.866	ng		93
23) Phenanthrene	17.27	178	3619	0.273	ng		100
24) Anthracene	17.36	178	3098	0.262	ng		99
26) Fluoranthene	19.29	202	4461	0.254	ng		98
28) Pyrene	19.65	202	4529	0.222	ng		99
30) Benzo(a)anthracene	21.40	228	5086	0.274	ng		97
31) Chrysene	21.45	228	4967	0.256	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	10401	0.276	ng		99
33) Indeno(1,2,3-cd)pyrene	26.58	276	6665	0.345	ng		97
35) Benzo(b)fluoranthene	23.16	252	5410	0.273	ng		99
36) Benzo(k)fluoranthene	23.21	252	5820	0.252	ng		96
37) Benzo(a)pyrene	23.82	252	5510	0.269	ng		98
38) Dibenzo(a,h)anthracene	26.60	278	5432	0.282	ng		97
39) Benzo(g,h,i)perylene	27.39	276	5736	0.295	ng		97

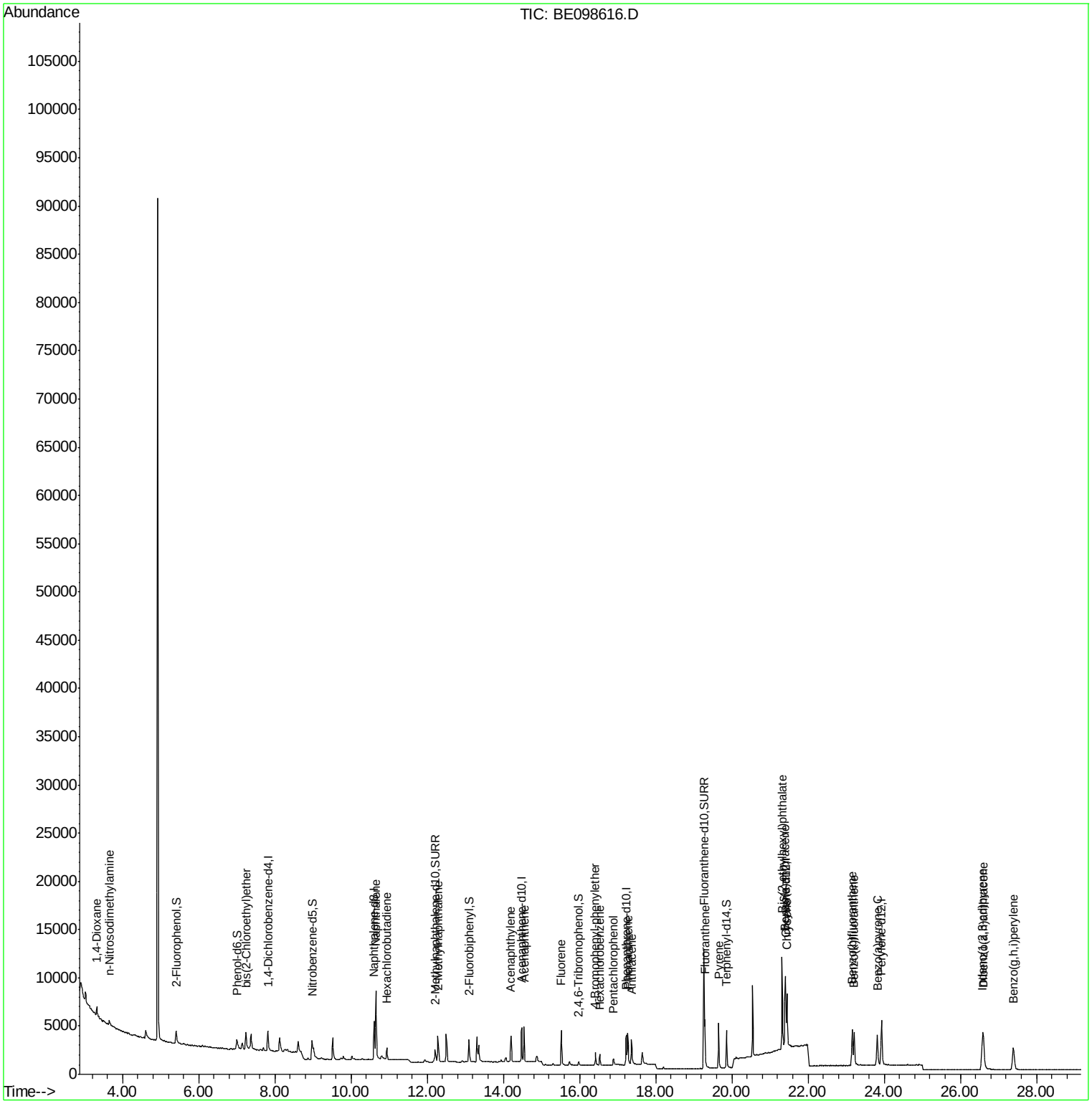
(#) = qualifier out of range (m) = manual integration (+) = signals summed

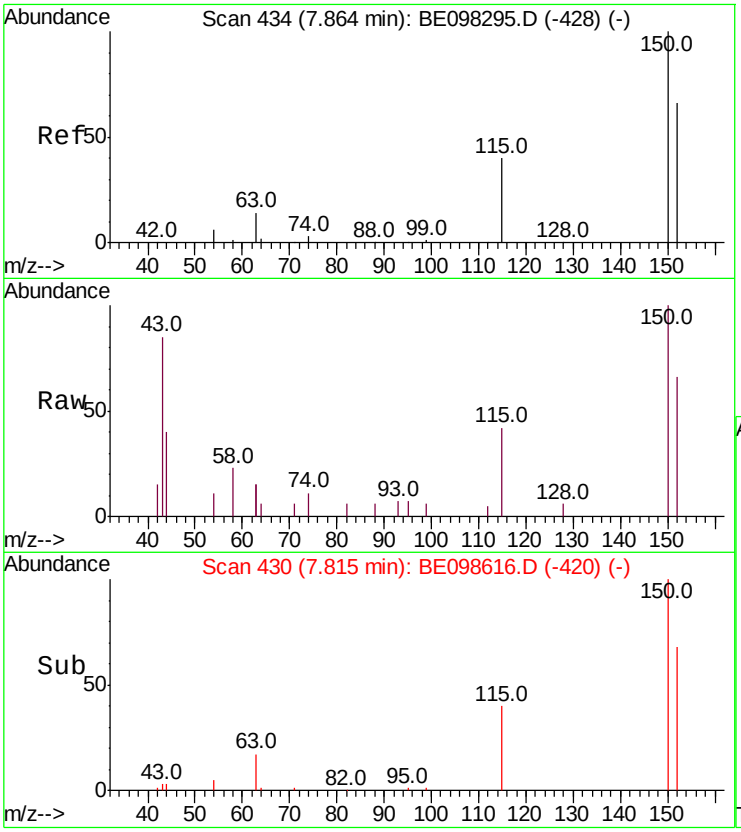
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
Data File : BE098616.D
Acq On : 4 Jan 2019 15:37
Operator : SJ/JU
Sample : PB116164BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Quant Time: Jan 04 21:12:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration



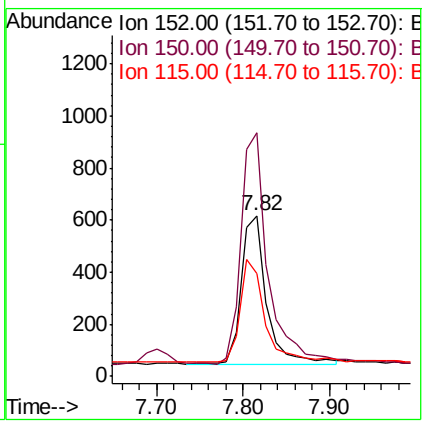


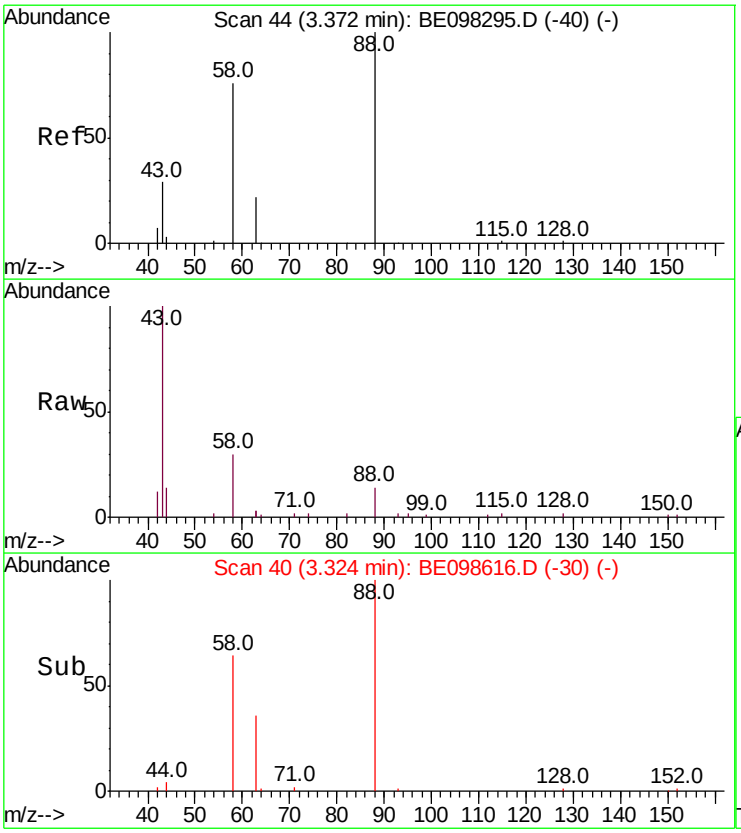
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:152 Resp: 1162

Ion	Ratio	Lower	Upper
152	100		
150	151.5	124.2	186.4
115	63.9	53.9	80.9

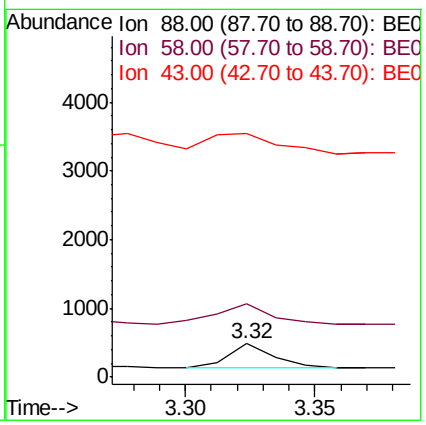


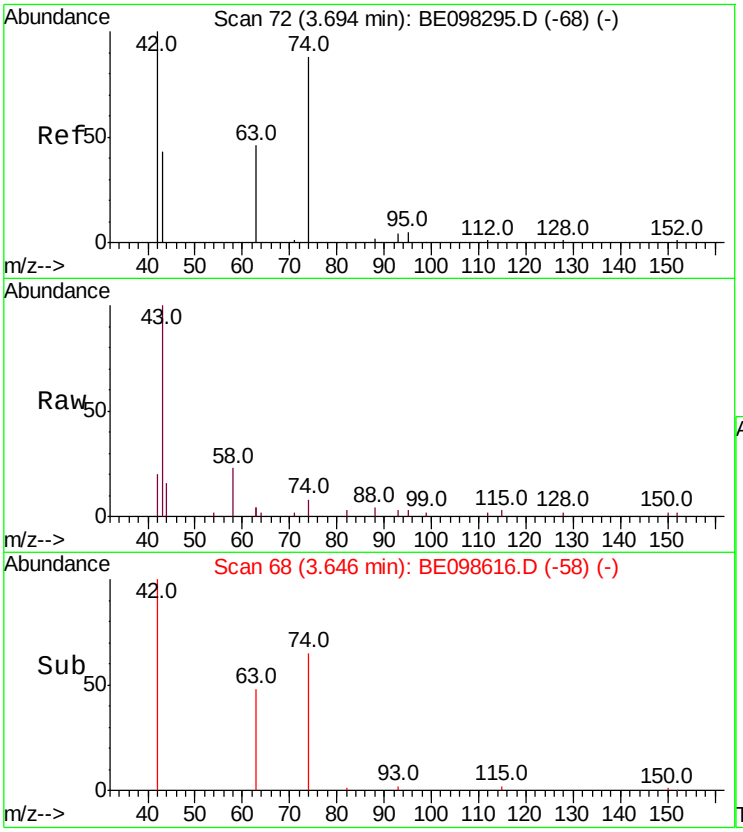


#2
1,4-Dioxane
Concen: 0.223 ng
RT: 3.32 min Scan# 40
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion: 88 Resp: 448

Ion	Ratio	Lower	Upper
88	100		
58	103.6	75.0	112.6
43	121.7	38.3	57.5#



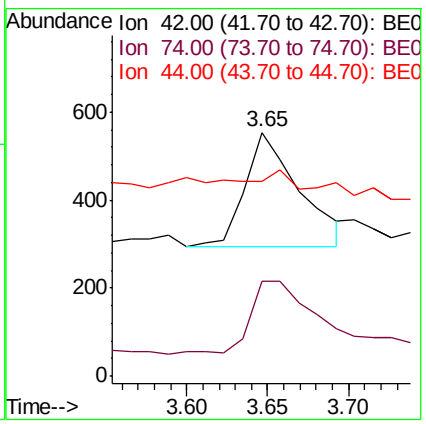


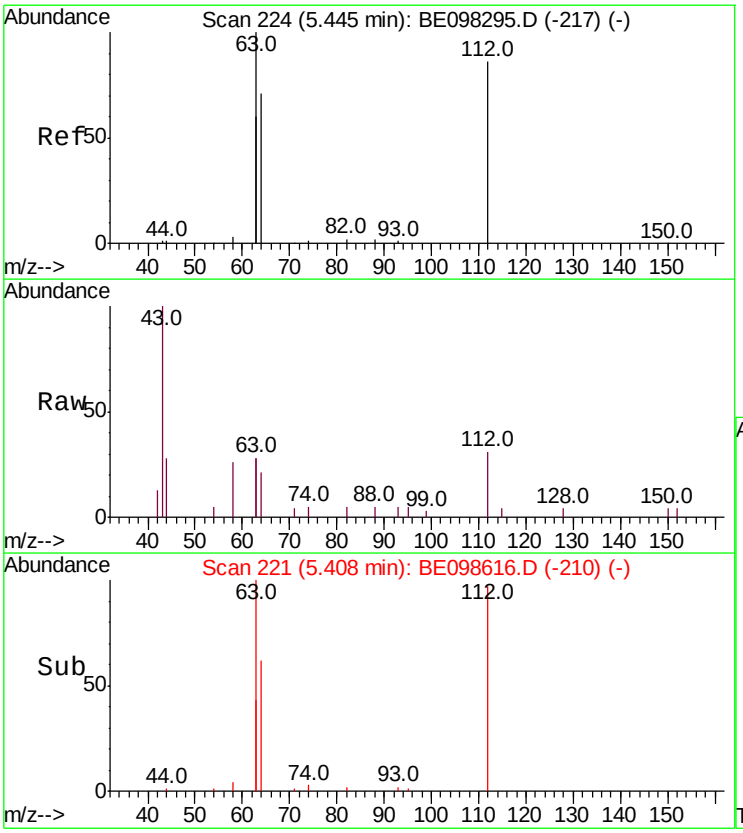
#3
n-Nitrosodimethylamine
Concen: 0.329 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion: 42 Resp: 596

Ion	Ratio	Lower	Upper
42	100		
74	73.8	0.0	0.0#
44	0.0	0.0	0.0

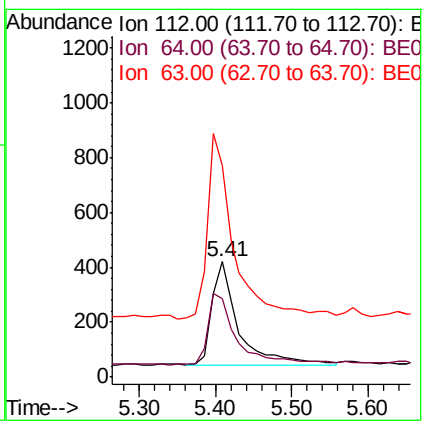


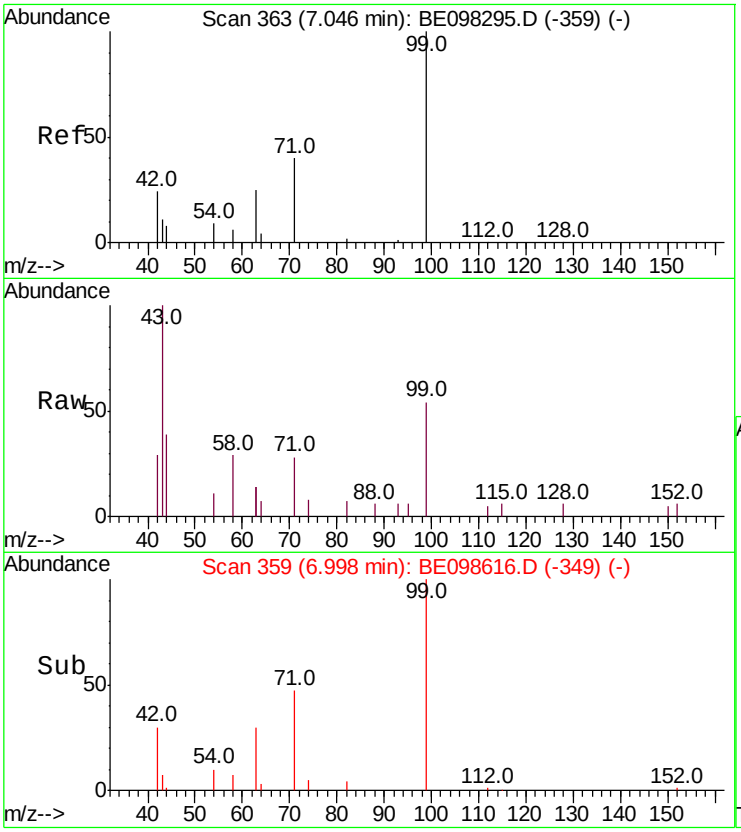


#4
2-Fluorophenol
Concen: 0.334 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:112 Resp: 908

Ion	Ratio	Lower	Upper
112	100		
64	77.4	59.8	89.8
63	184.0	133.7	200.5



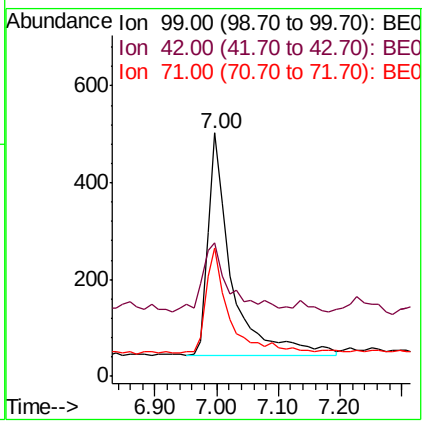


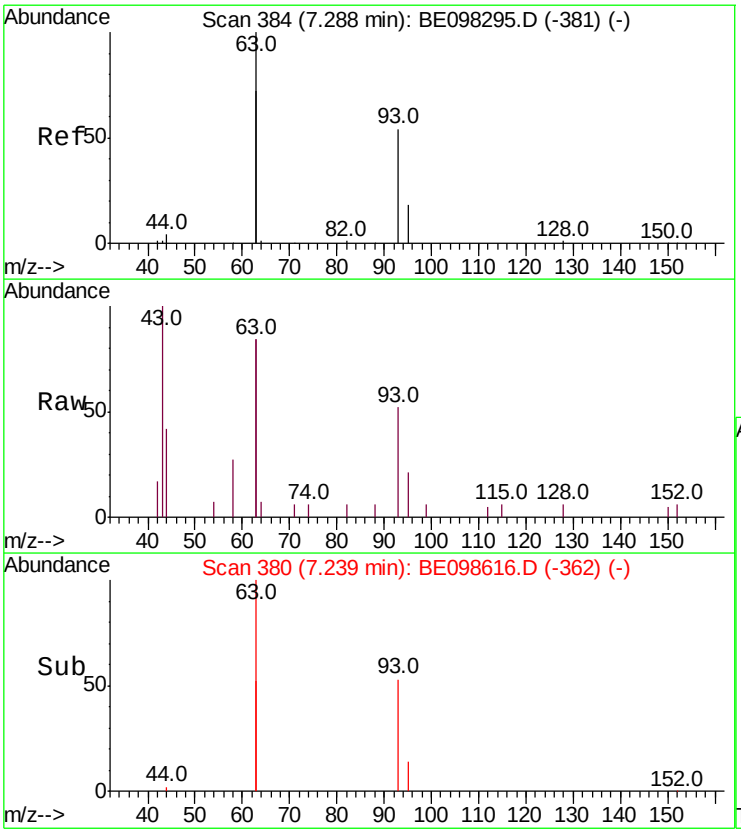
#5
Phenol-d6
Concen: 0.310 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion: 99 Resp: 1196

Ion	Ratio	Lower	Upper
99	100		
42	36.6	26.3	39.5
71	46.4	33.6	50.4

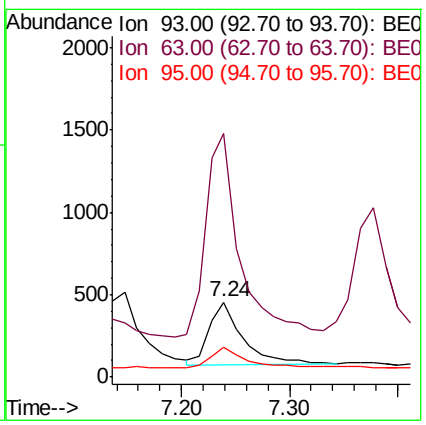


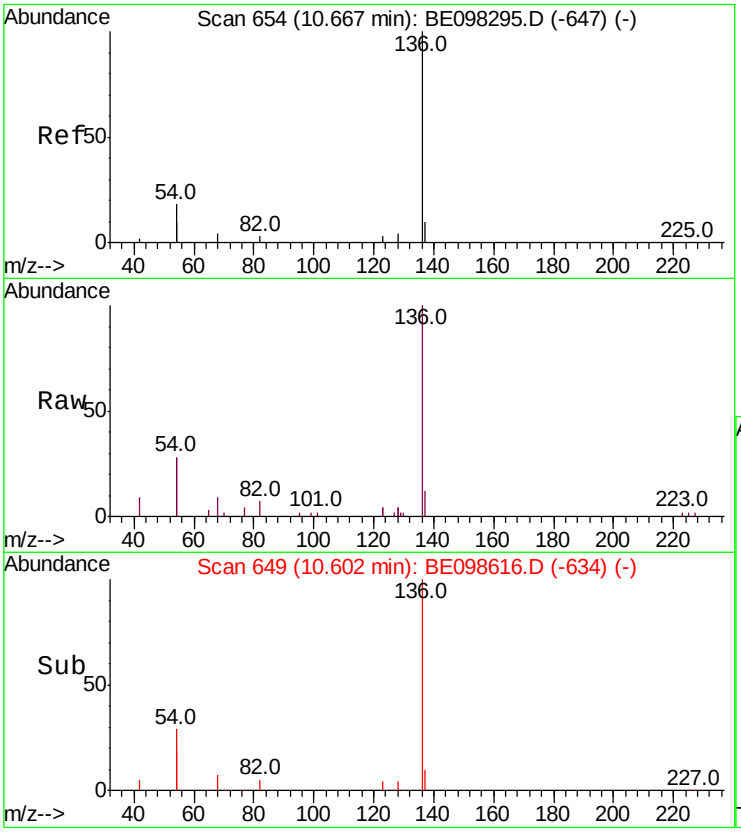


#6
bis(2-Chloroethyl)ether
Concen: 0.229 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion: 93 Resp: 838

Ion	Ratio	Lower	Upper
93	100		
63	330.4	264.4	396.6
95	33.2	26.6	40.0



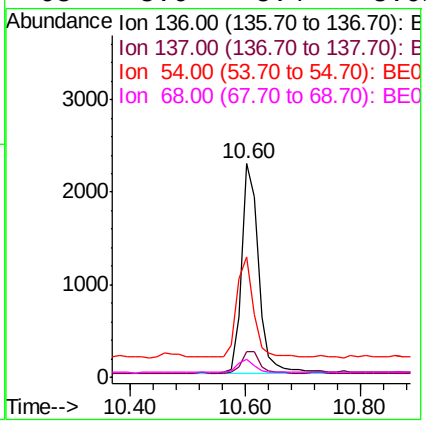


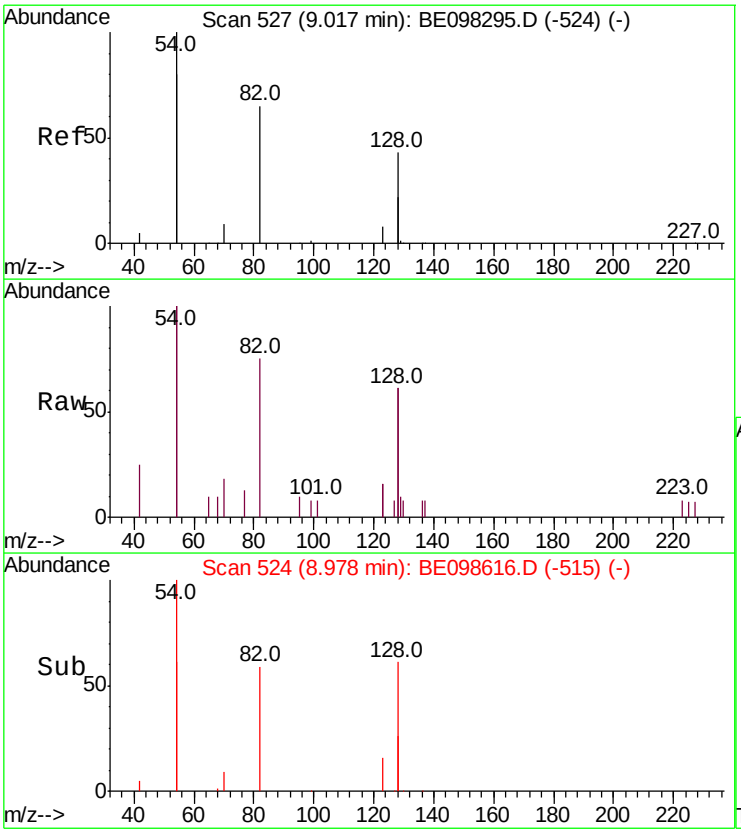
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument : BNA_E
ClientSampleId : PB116164BSD

Tgt Ion:136 Resp: 4633

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.2	13.8
54	56.3	28.4	42.6#
68	8.6	5.4	8.0#

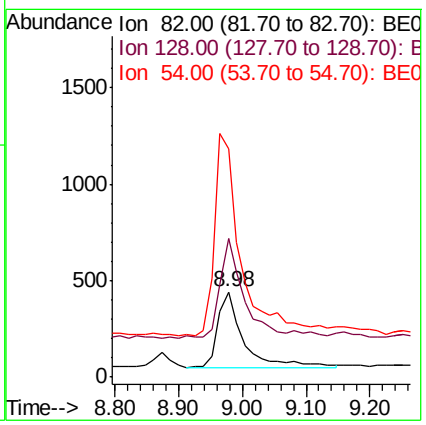


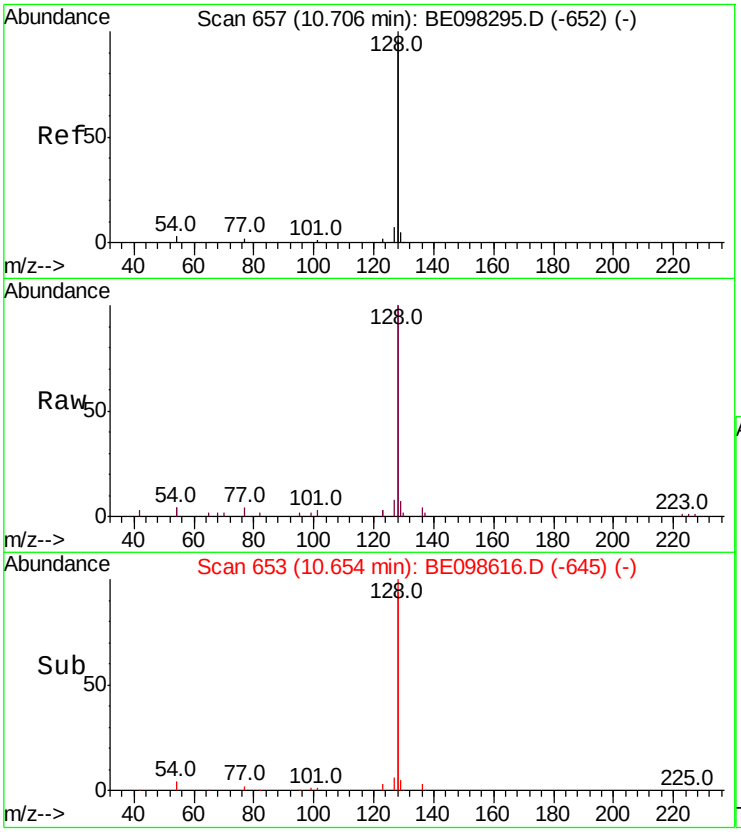


#8
Nitrobenzene-d5
Concen: 0.268 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion: 82 Resp: 1129

Ion	Ratio	Lower	Upper
82	100		
128	164.1	102.4	153.6#
54	268.2	221.8	332.8



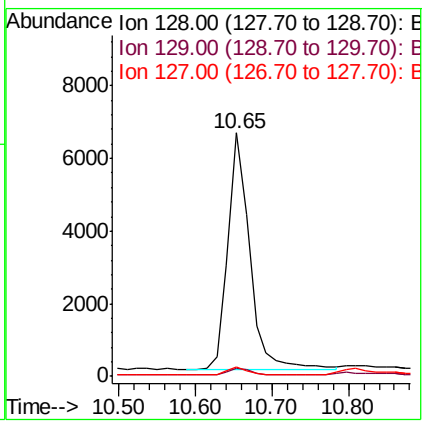


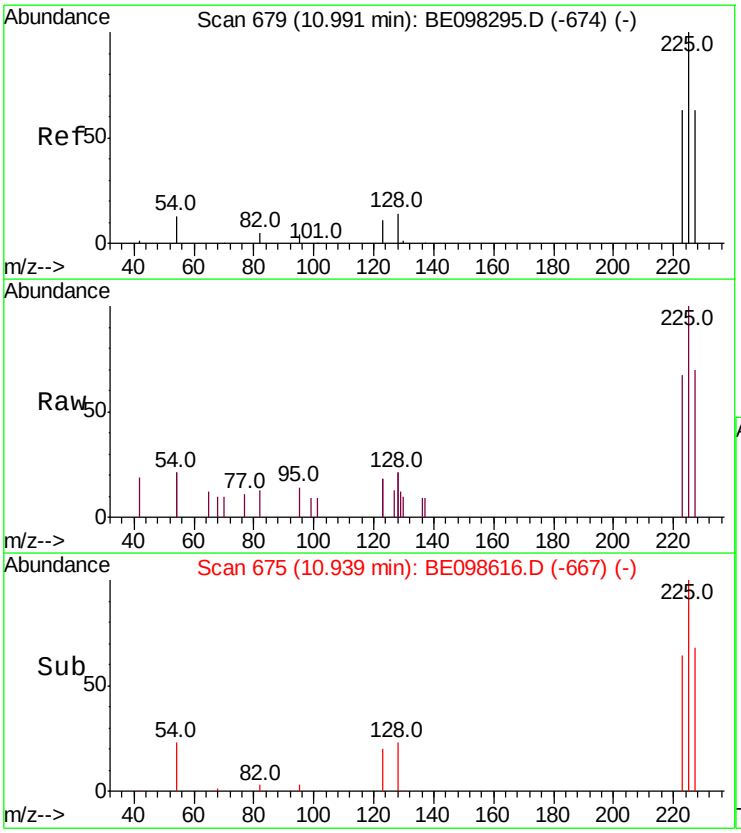
#9
Naphthalene
Concen: 0.274 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:128 Resp: 12779

Ion	Ratio	Lower	Upper
128	100		
129	3.4	2.5	3.7
127	3.8	2.7	4.1

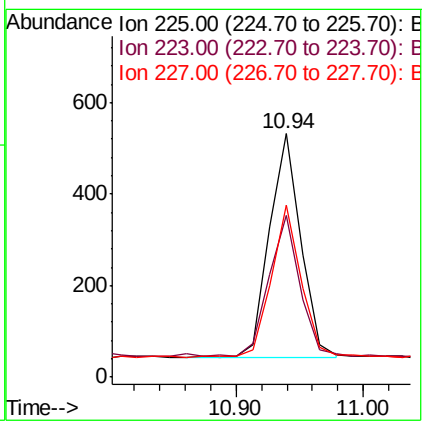


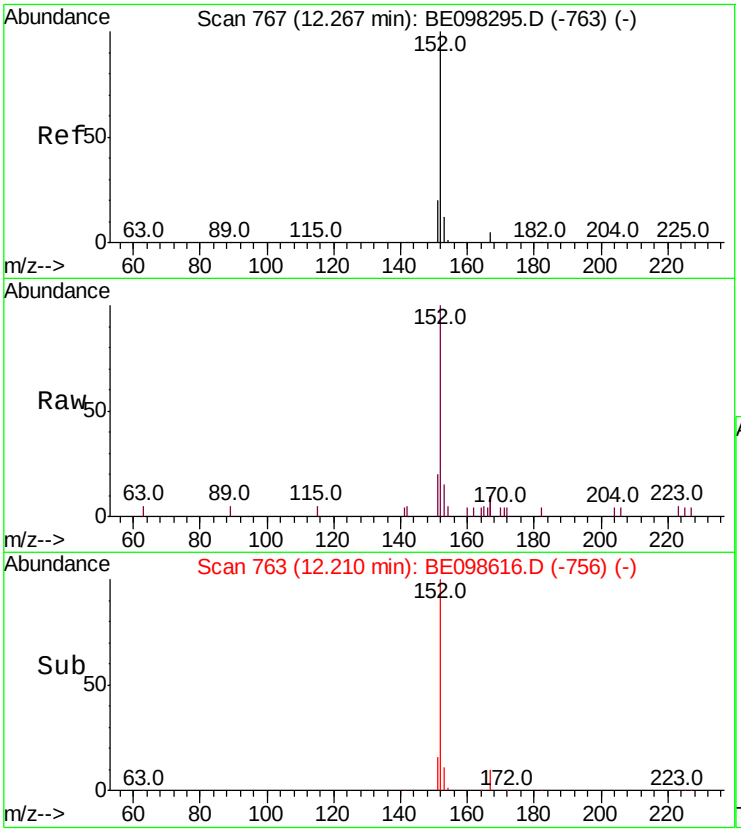


#10
Hexachlorobutadiene
Concen: 0.278 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:225 Resp: 824

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.4	74.0
227	63.7	52.0	78.0



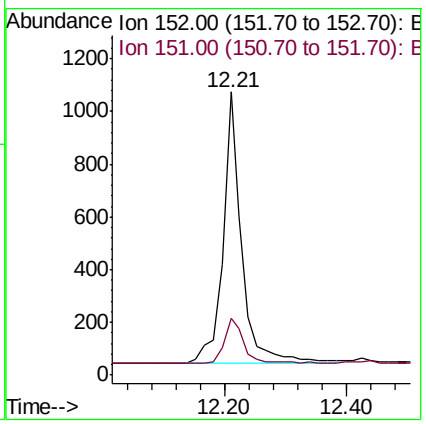


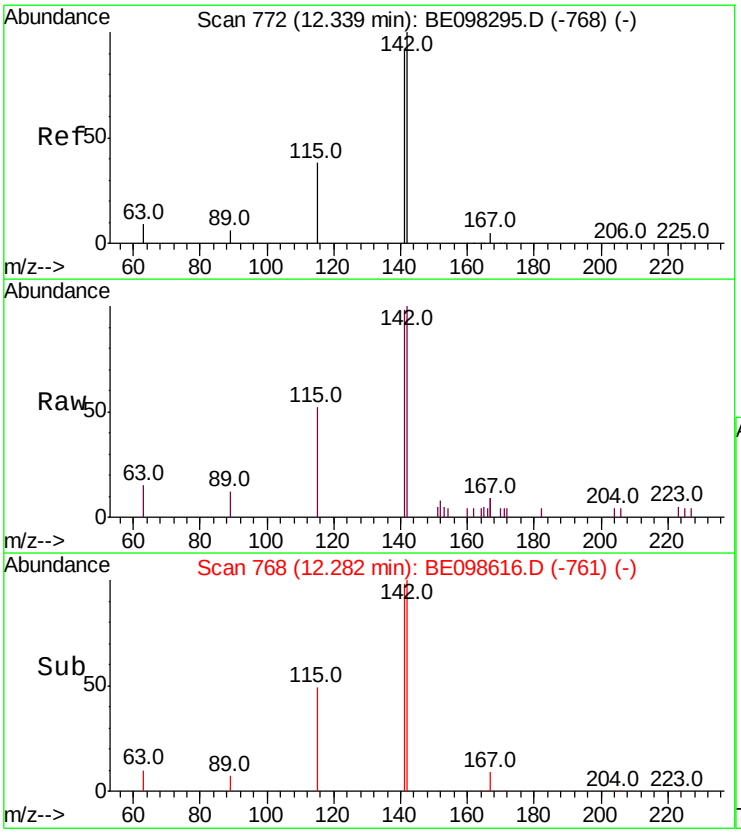
#11
2-Methylnaphthalene-d10
Concen: 0.289 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:152 Resp: 2177

Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.2	24.4

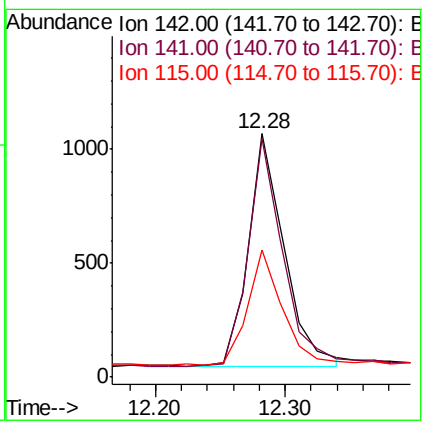


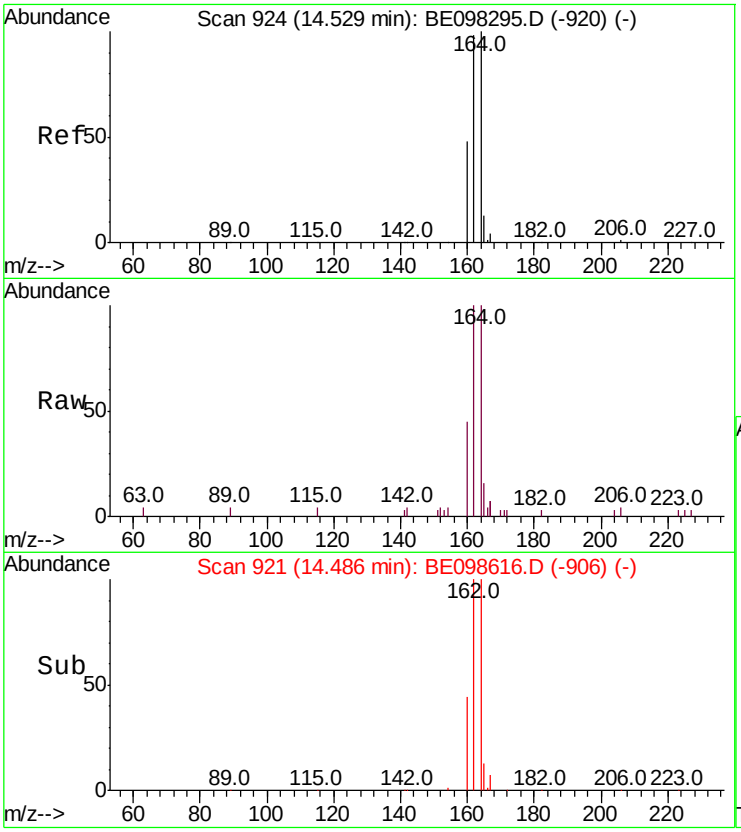


#12
2-Methylnaphthalene
Concen: 0.260 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:142 Resp: 1972

Ion	Ratio	Lower	Upper
142	100		
141	98.1	71.0	106.6
115	52.0	32.2	48.2#



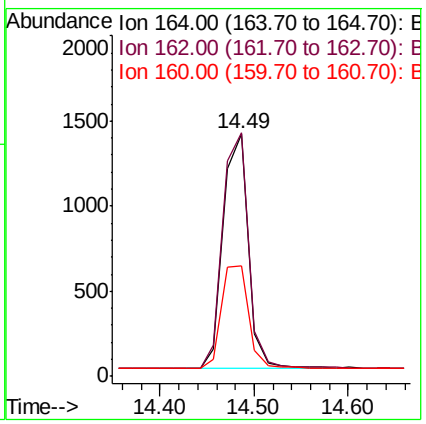


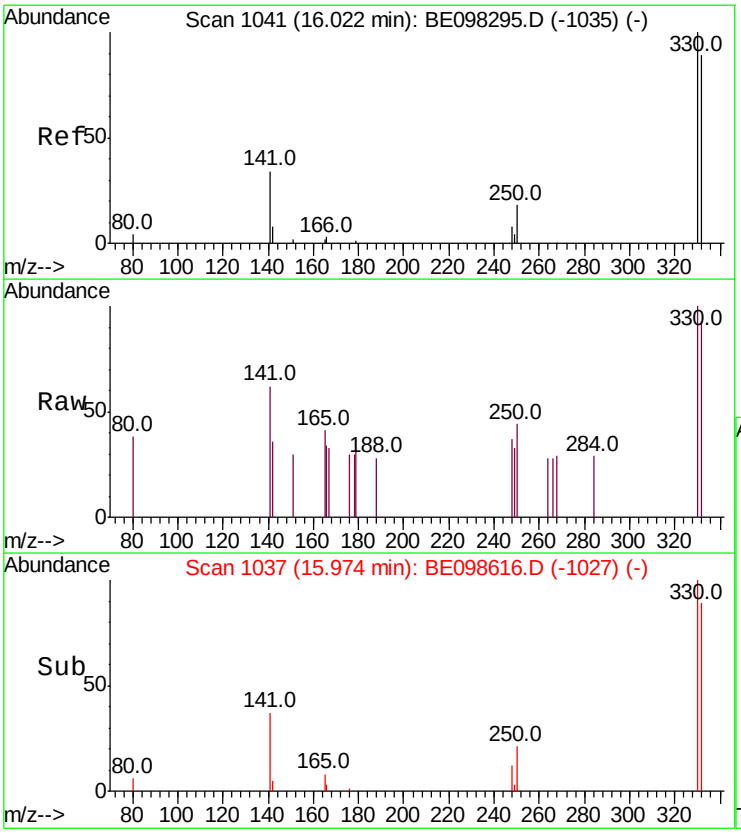
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:164 Resp: 2546

Ion	Ratio	Lower	Upper
164	100		
162	100.2	77.6	116.4
160	45.4	36.0	54.0

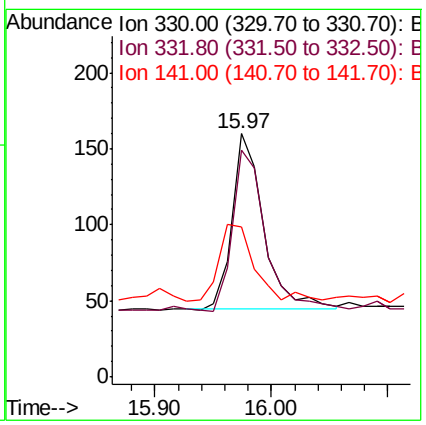


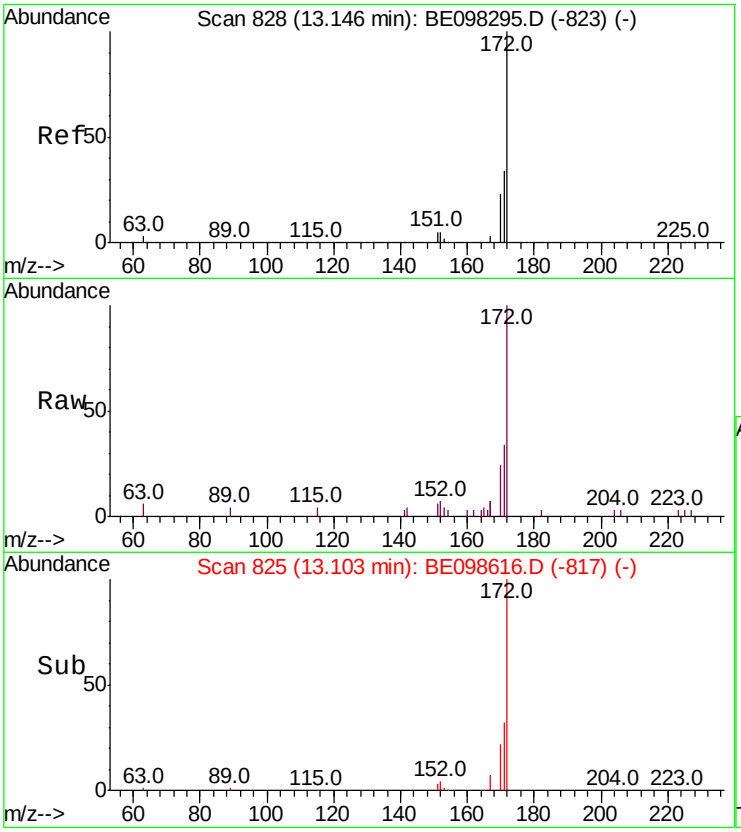


#14
2,4,6-Tribromophenol
Concen: 0.229 ng
RT: 15.97 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:330 Resp: 214

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.4
141	50.0	39.0	58.4



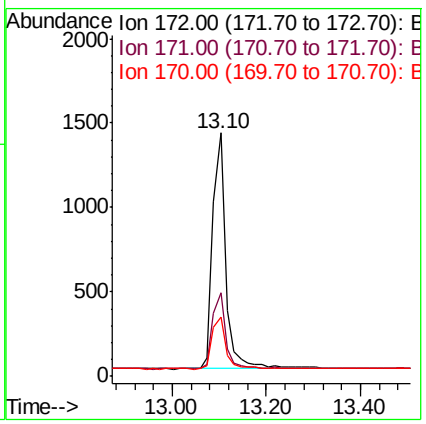


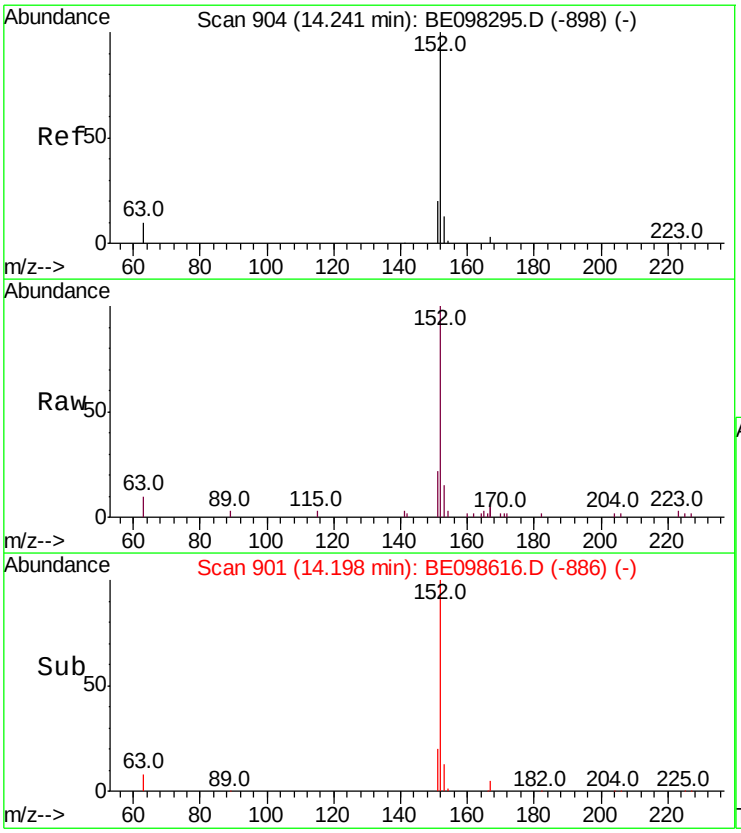
#15
2-Fluorobiphenyl
Concen: 0.251 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:172 Resp: 2693

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.5	41.3
170	24.4	19.6	29.4

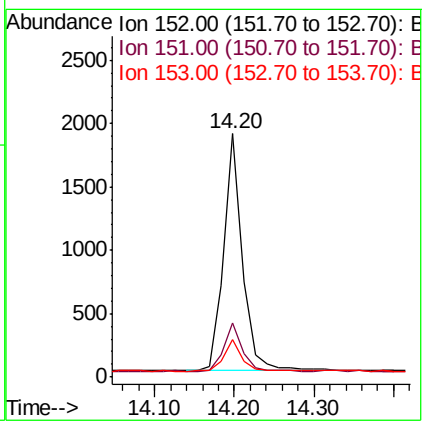


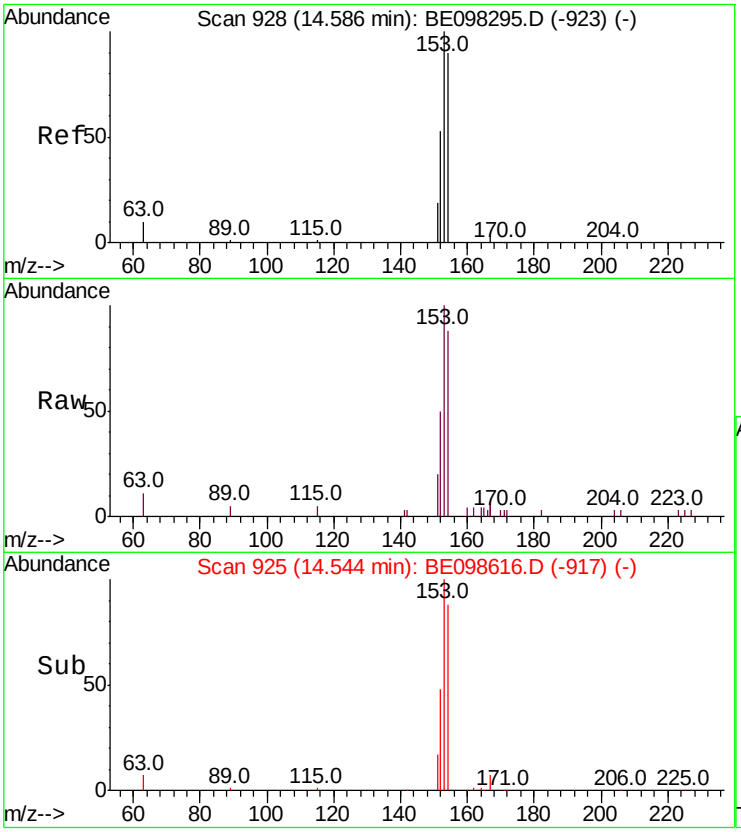


#16
Acenaphthylene
Concen: 0.257 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:152 Resp: 3071

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.5	23.3
153	13.0	10.6	16.0



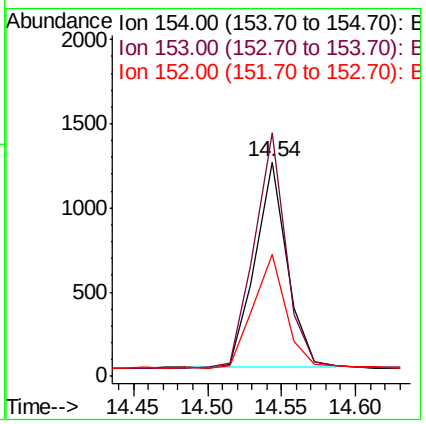


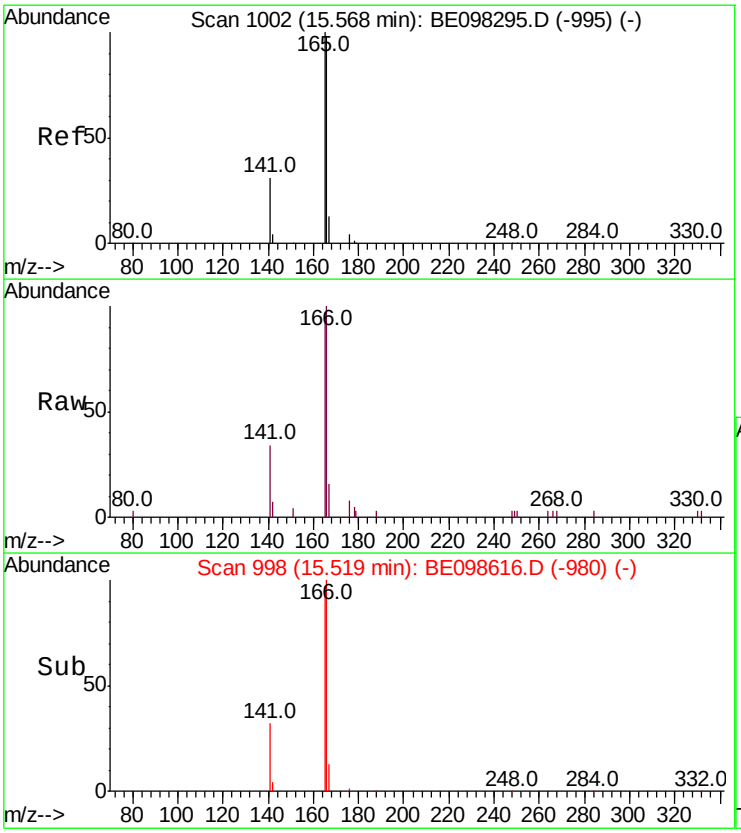
#17
Acenaphthene
Concen: 0.255 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:154 Resp: 1824

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.8	137.6
152	56.5	45.5	68.3

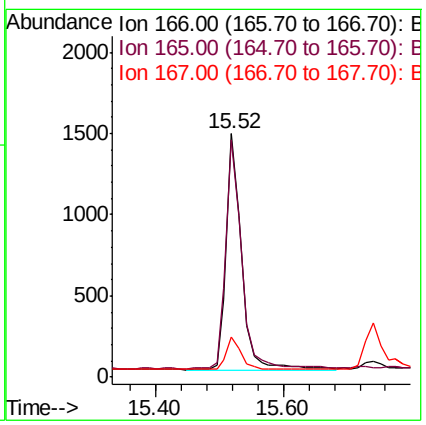


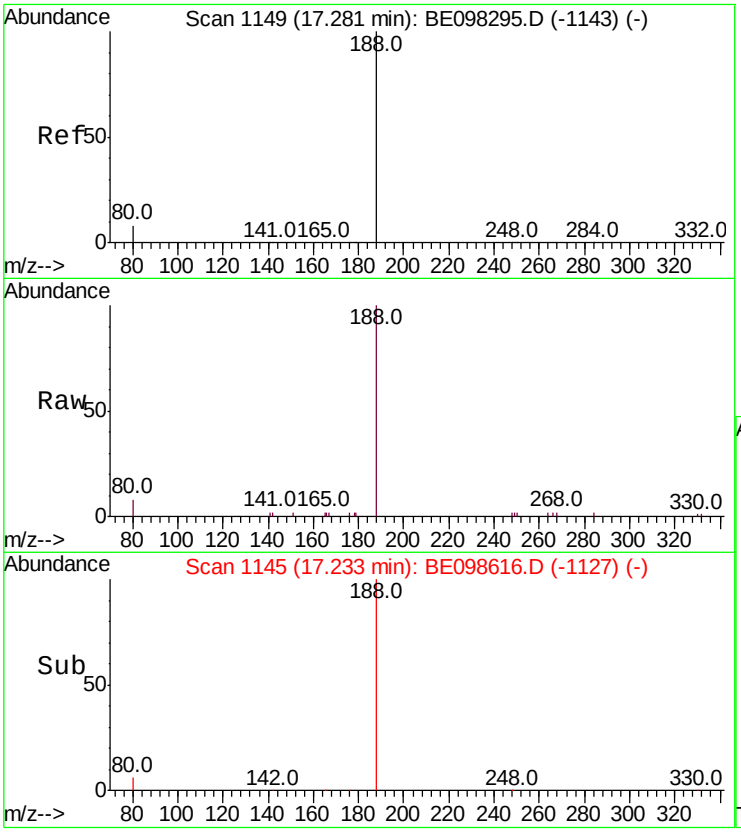


#18
Fluorene
Concen: 0.252 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:166 Resp: 2414

Ion	Ratio	Lower	Upper
166	100		
165	98.3	79.3	118.9
167	13.3	11.3	16.9



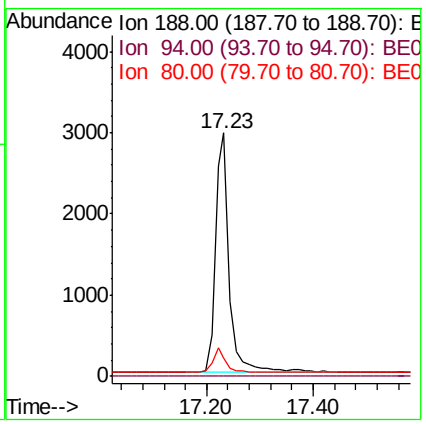


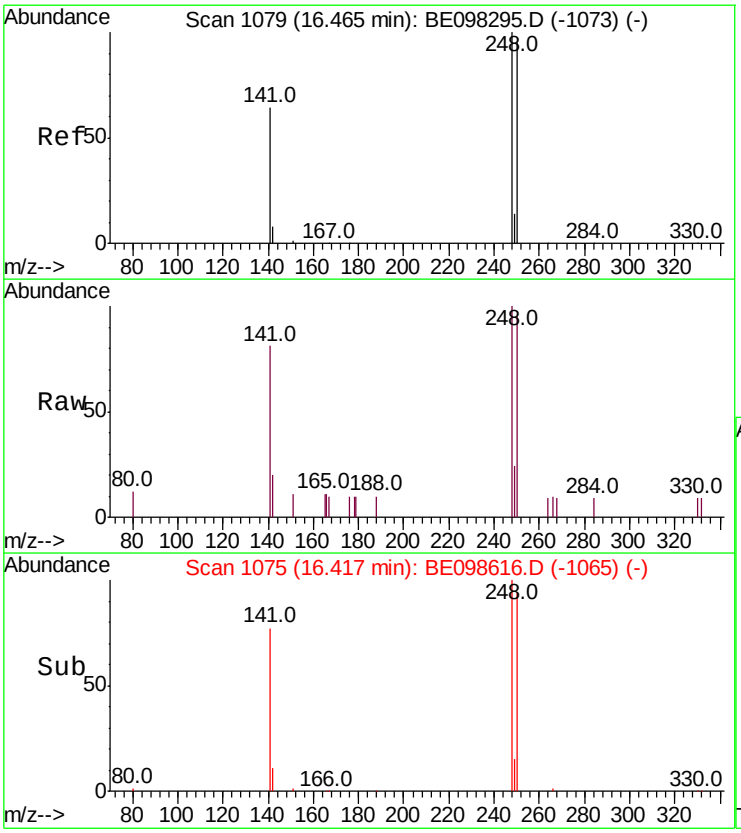
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1145
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:188 Resp: 5463

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.6	7.2	10.8

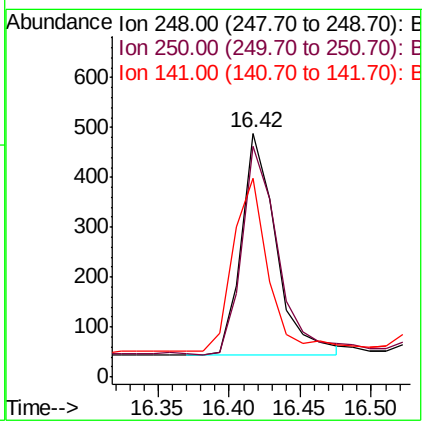


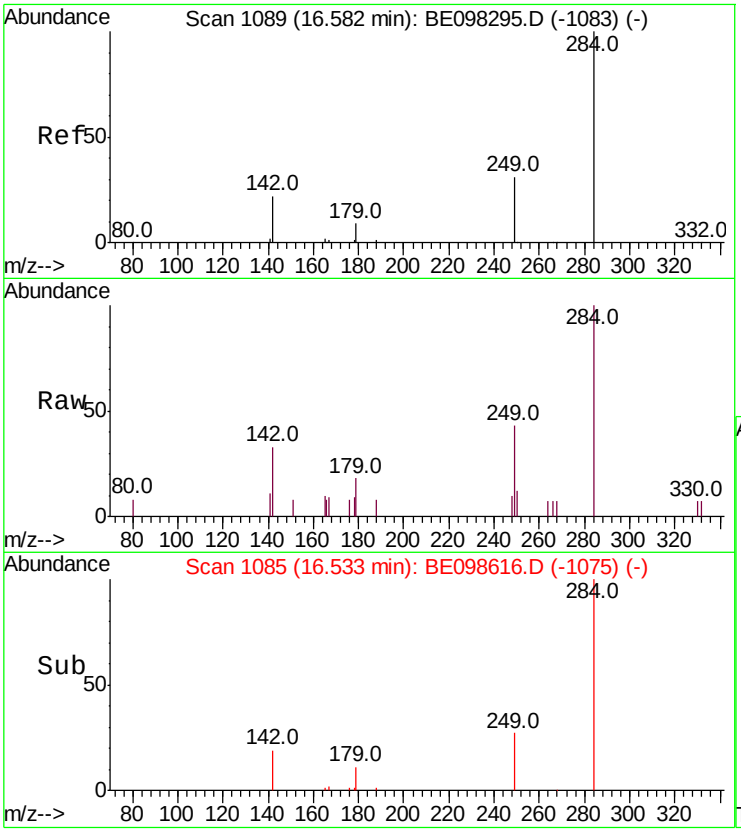


#20
4-Bromophenyl-phenylether
Concen: 0.255 ng
RT: 16.42 min Scan# 1075
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:248 Resp: 751

Ion	Ratio	Lower	Upper
248	100		
250	94.7	71.0	106.6
141	81.4	62.1	93.1



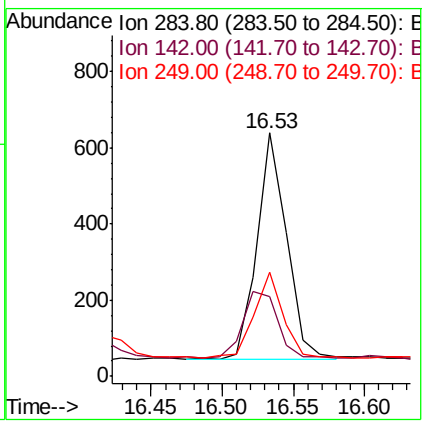


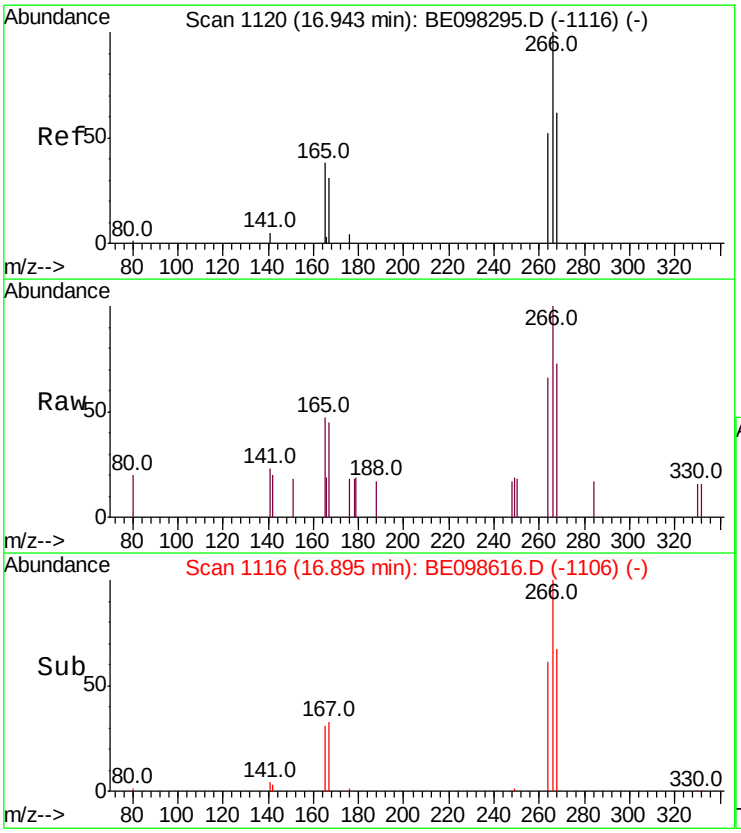
#21
Hexachlorobenzene
Concen: 0.270 ng
RT: 16.53 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:284 Resp: 852

Ion	Ratio	Lower	Upper
284	100		
142	34.5	26.3	39.5
249	36.7	26.0	39.0

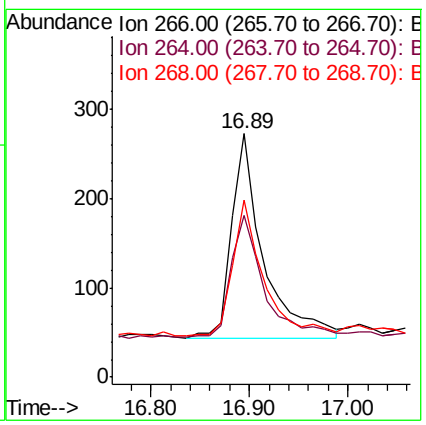


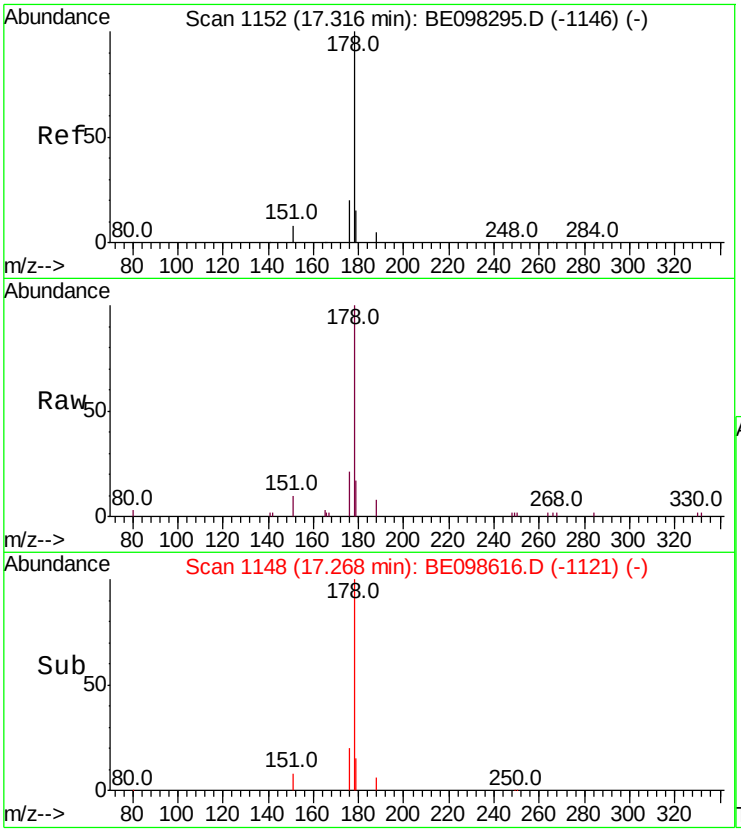


#22
Pentachlorophenol
Concen: 0.866 ng
RT: 16.89 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:266 Resp: 511

Ion	Ratio	Lower	Upper
266	100		
264	66.3	59.0	88.4
268	72.9	55.1	82.7



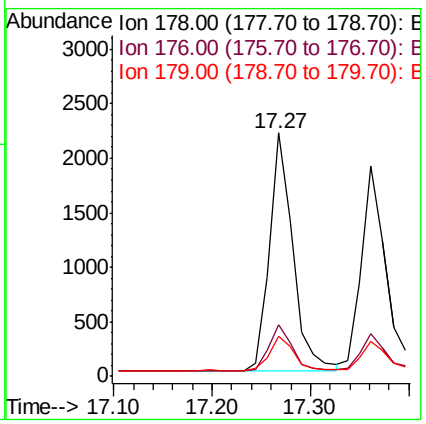


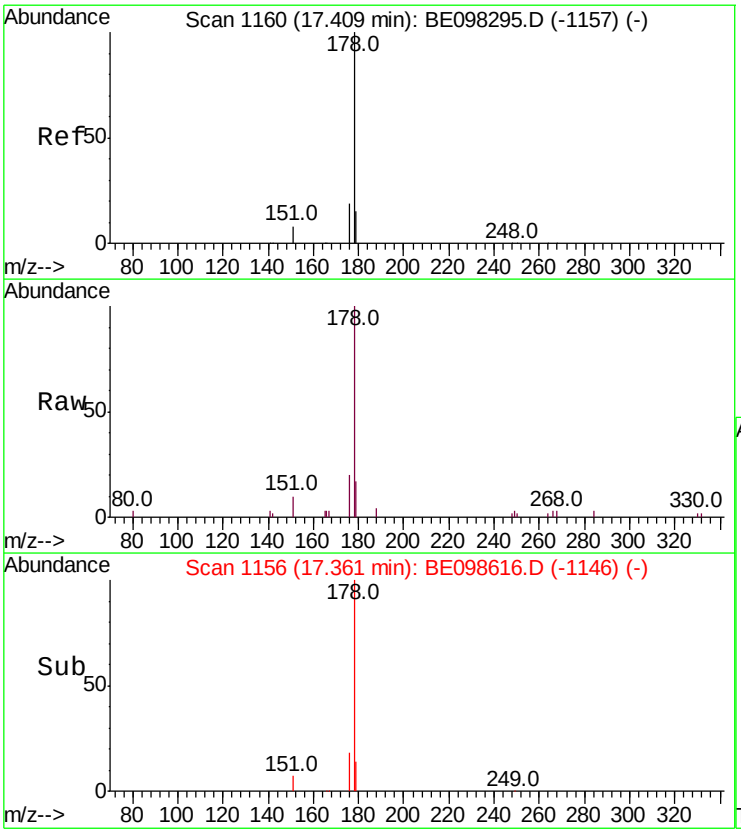
#23
Phenanthrene
Concen: 0.273 ng
RT: 17.27 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:178 Resp: 3619

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.3	12.3	18.5

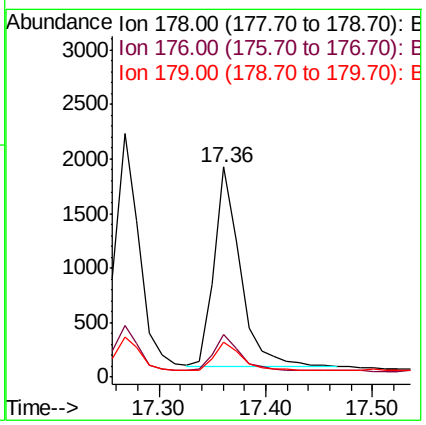


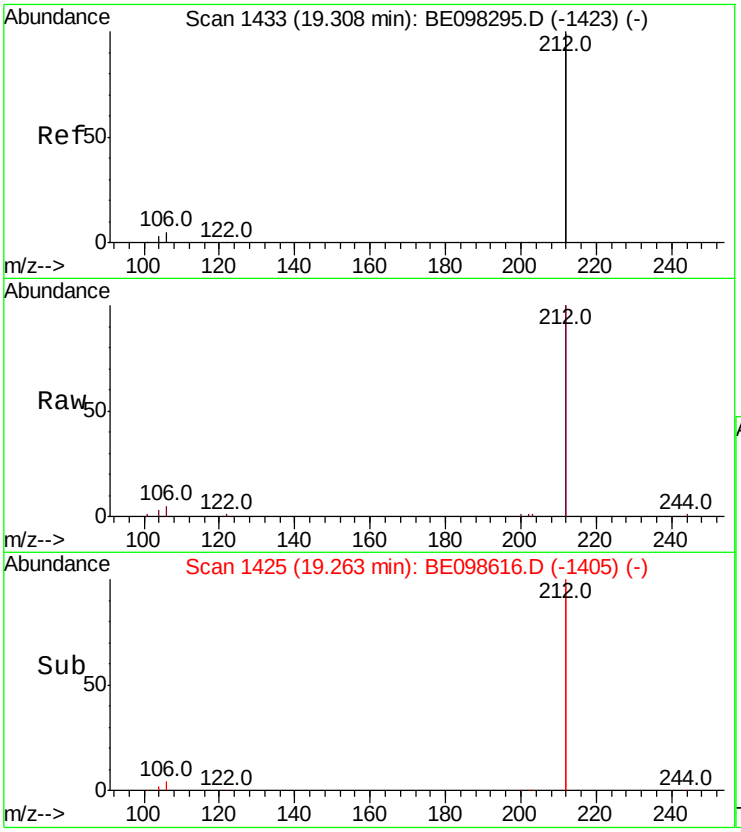


#24
Anthracene
Concen: 0.262 ng
RT: 17.36 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:178 Resp: 3098

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.0	22.4
179	15.3	12.3	18.5



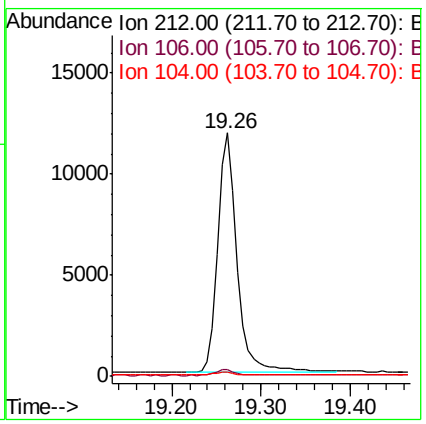


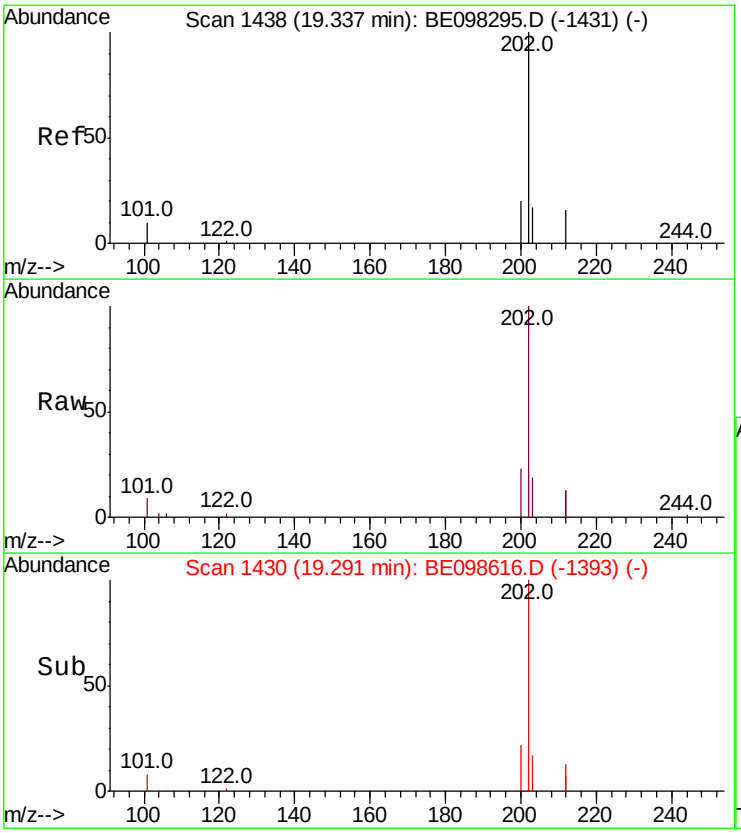
#25
Fluoranthene-d10
Concen: 0.254 ng
RT: 19.26 min Scan# 1425
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:212 Resp: 17788

Ion	Ratio	Lower	Upper
212	100		
106	2.3	2.2	3.2
104	1.4	1.3	1.9

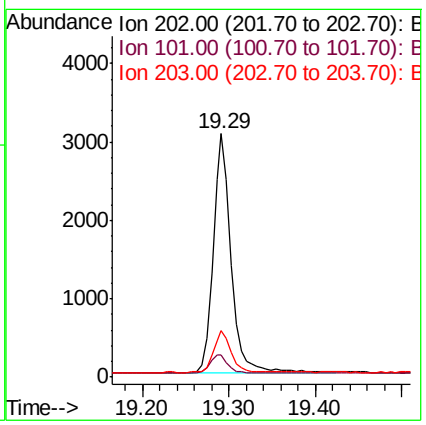


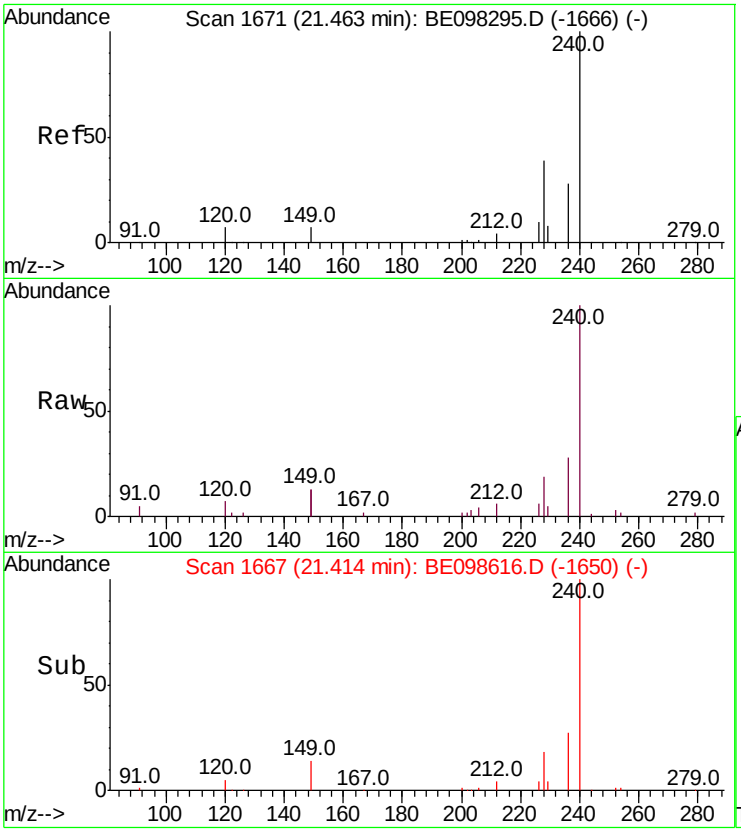


#26
Fluoranthene
Concen: 0.254 ng
RT: 19.29 min Scan# 1430
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:202 Resp: 4461

Ion	Ratio	Lower	Upper
202	100		
101	8.7	8.0	12.0
203	17.7	13.8	20.6



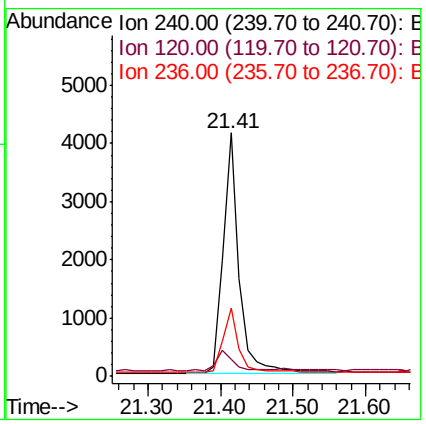


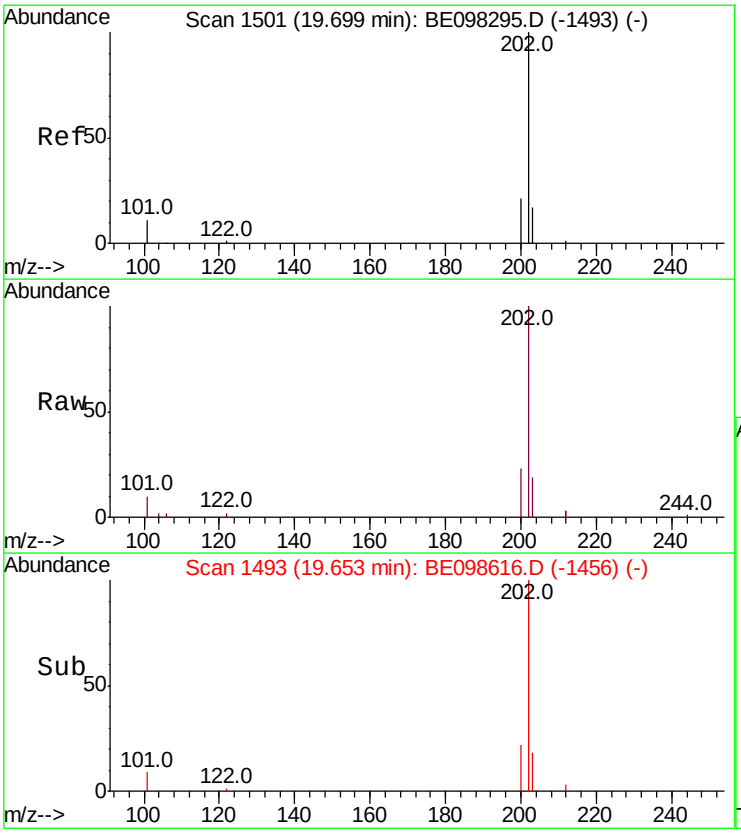
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:240 Resp: 6508

Ion	Ratio	Lower	Upper
240	100		
120	6.8	9.5	14.3#
236	28.0	22.7	34.1

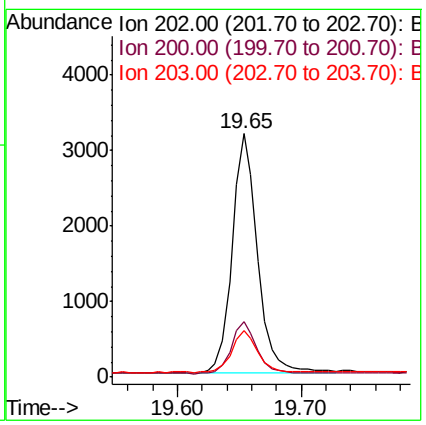


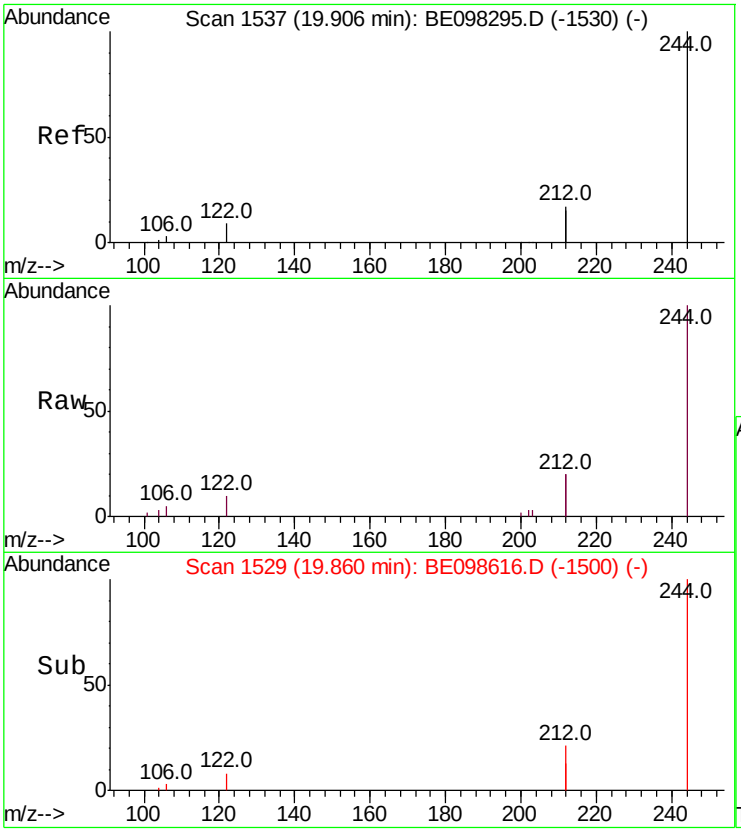


#28
Pyrene
Concen: 0.222 ng
RT: 19.65 min Scan# 1493
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:202 Resp: 4529

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.7	25.1
203	18.1	14.1	21.1



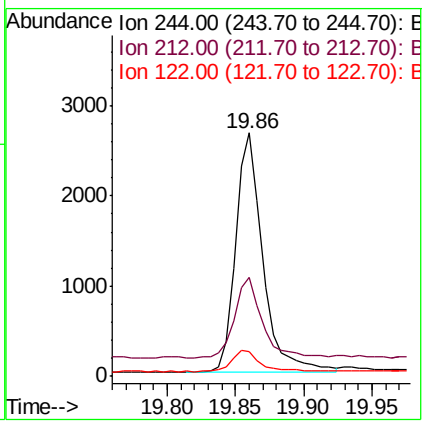


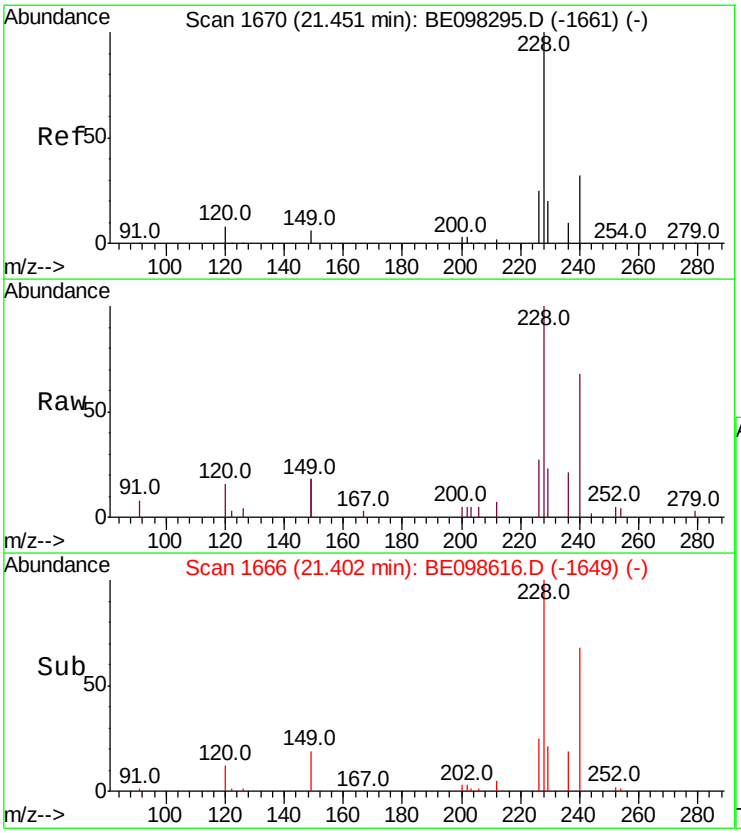
#29
Terphenyl-d14
Concen: 0.231 ng
RT: 19.86 min Scan# 1529
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:244 Resp: 3660

Ion	Ratio	Lower	Upper
244	100		
212	40.5	27.4	41.0
122	10.3	8.3	12.5

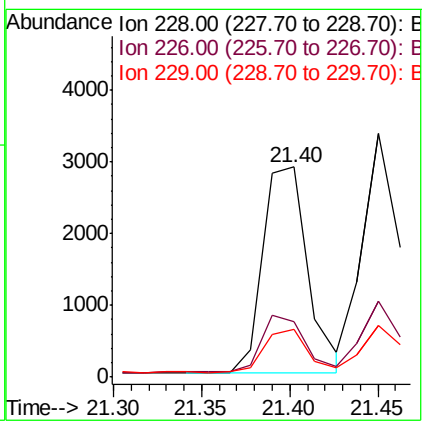


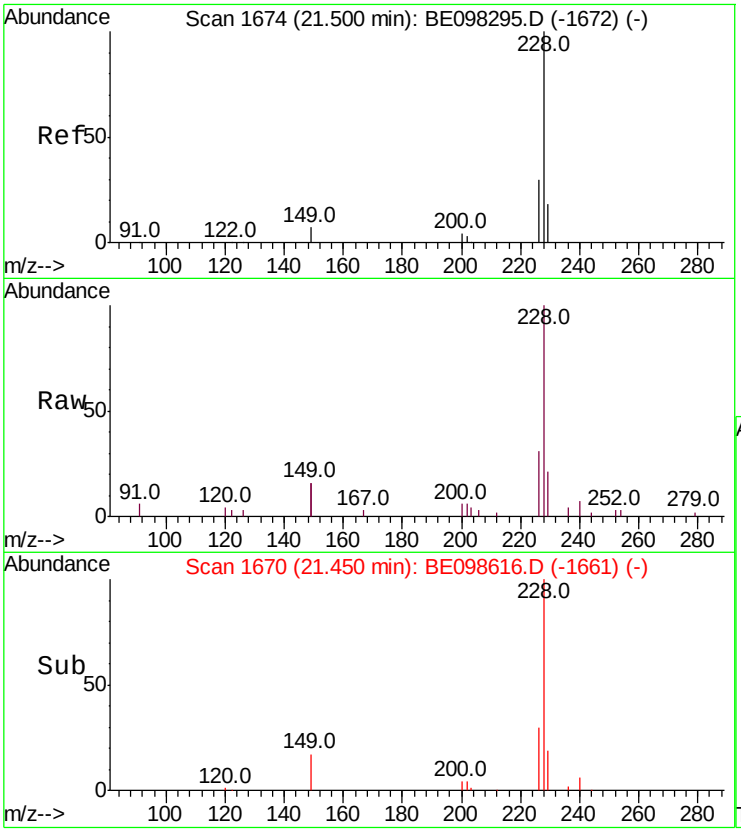


#30
Benzo(a)anthracene
Concen: 0.274 ng
RT: 21.40 min Scan# 1666
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:228 Resp: 5086

Ion	Ratio	Lower	Upper
228	100		
226	26.5	21.8	32.8
229	22.8	16.3	24.5



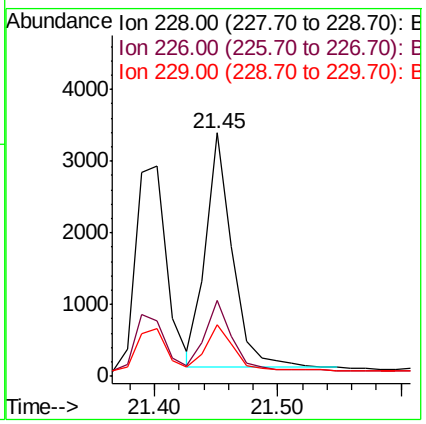


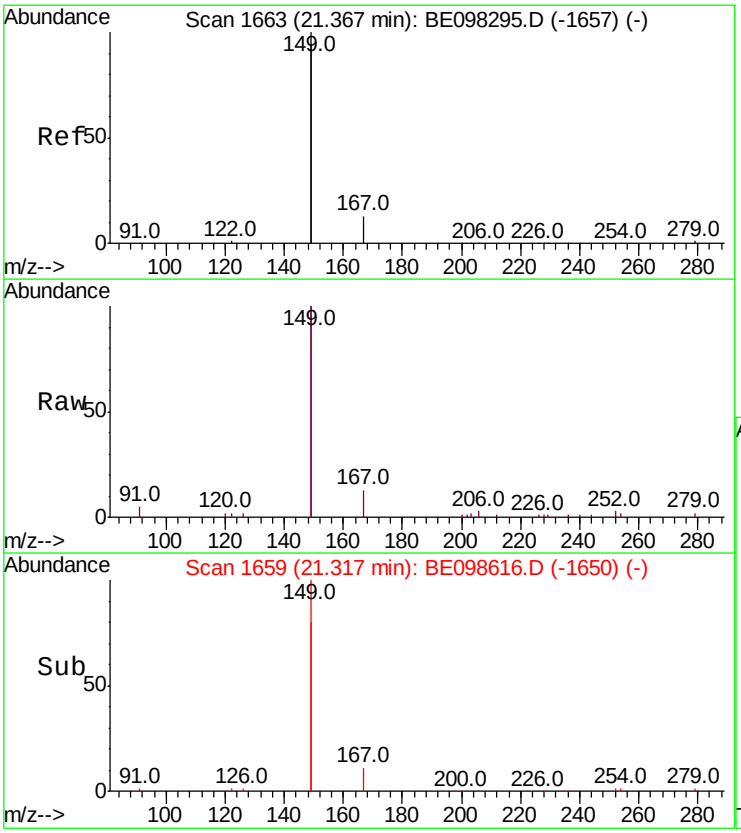
#31
Chrysene
Concen: 0.256 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:228 Resp: 4967

Ion	Ratio	Lower	Upper
228	100		
226	31.3	23.4	35.0
229	21.0	16.2	24.4

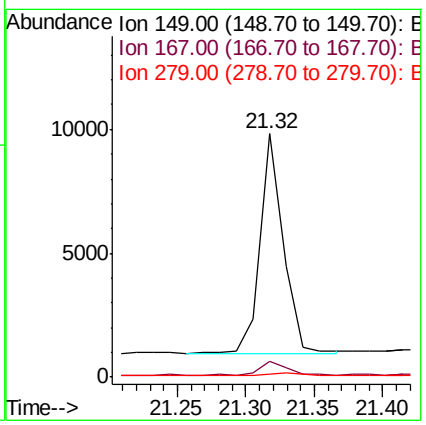


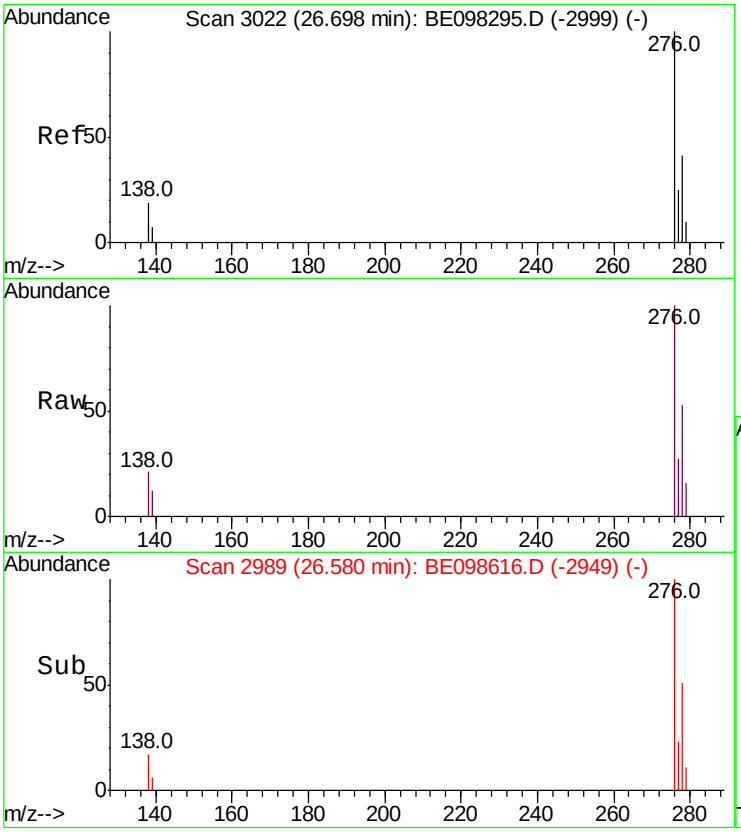


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.276 ng
RT: 21.32 min Scan# 1659
Delta R.T. 0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:149 Resp: 10401

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.7	8.5
279	1.4	1.0	1.4



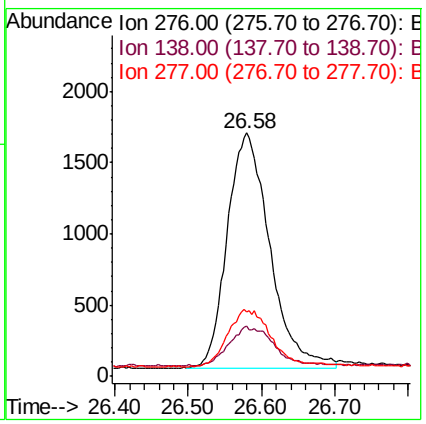


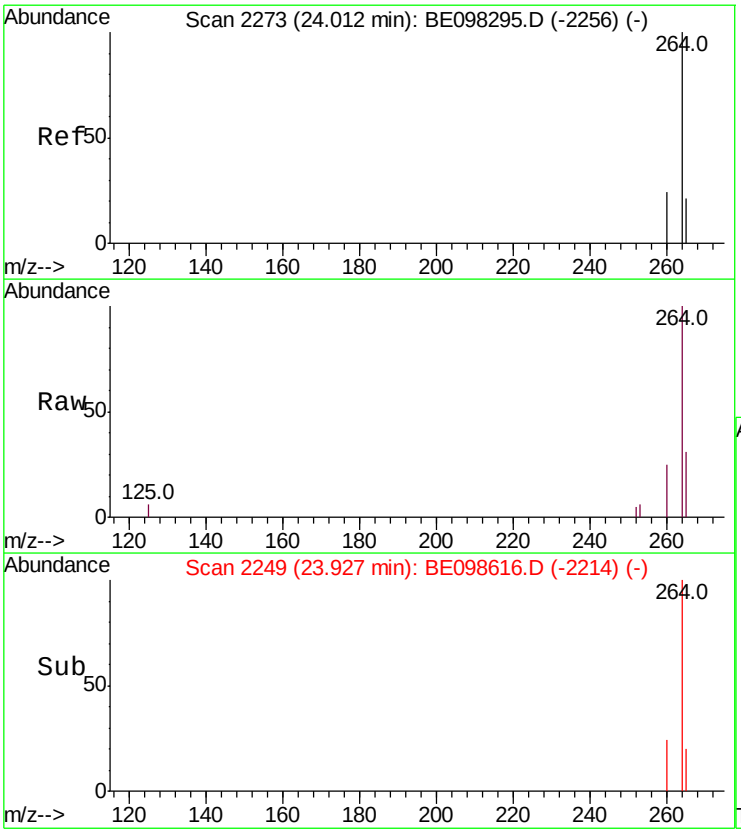
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.345 ng
RT: 26.58 min Scan# 2989
Delta R.T. -0.06 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:276 Resp: 6665

Ion	Ratio	Lower	Upper
276	100		
138	17.6	16.3	24.5
277	24.7	20.2	30.4

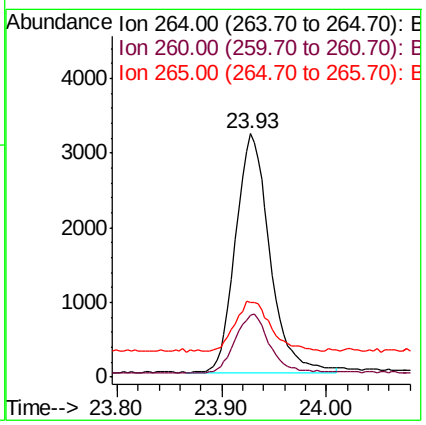


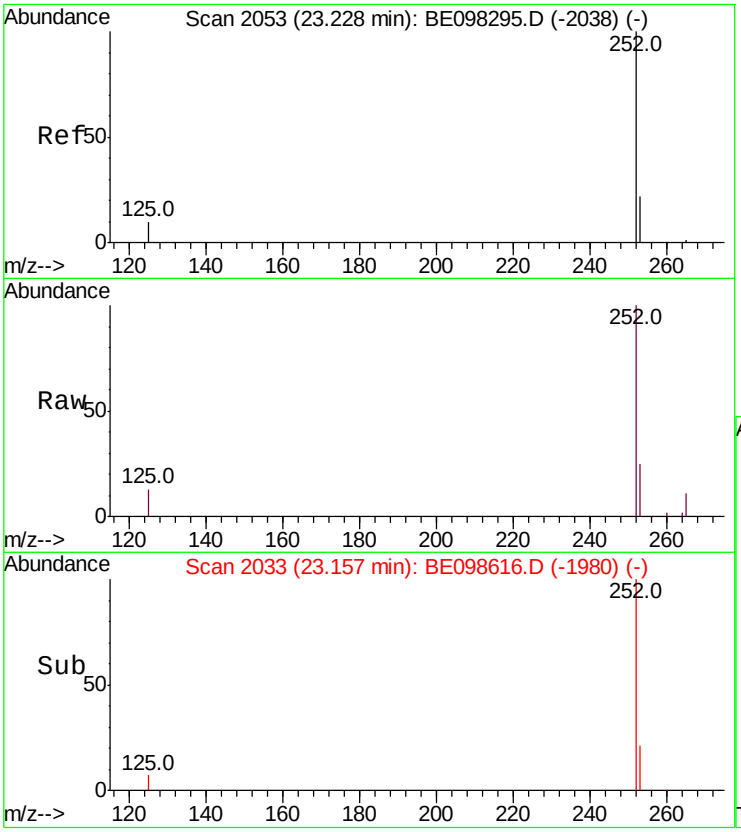


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2249
Delta R.T. -0.03 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:264 Resp: 7254

Ion	Ratio	Lower	Upper
264	100		
260	25.4	20.2	30.2
265	30.7	25.2	37.8



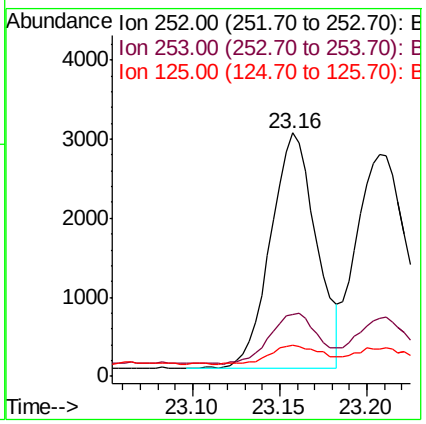


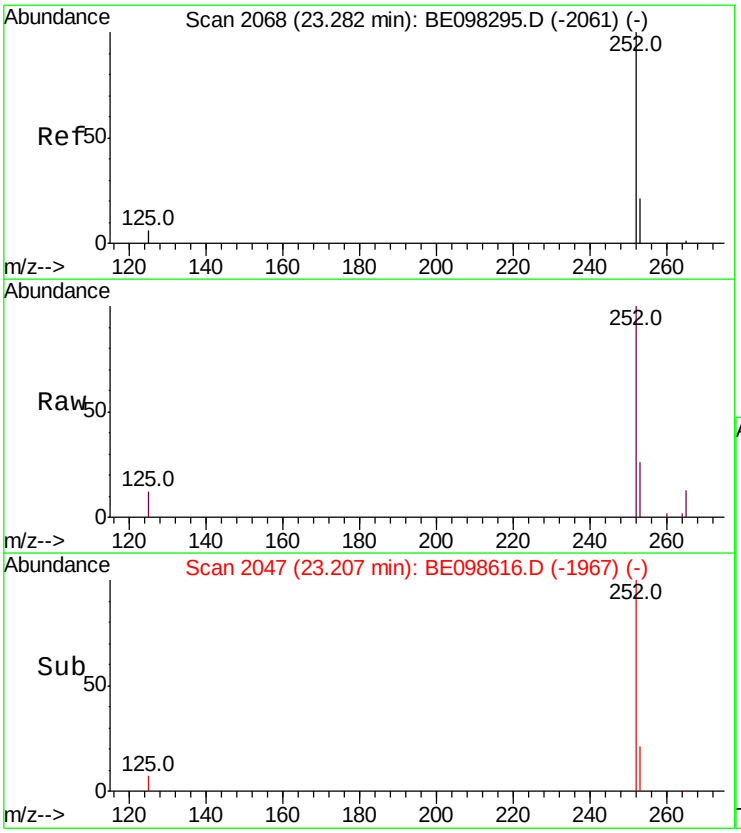
#35
Benzo(b)fluoranthene
Concen: 0.273 ng
RT: 23.16 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:252 Resp: 5410

Ion	Ratio	Lower	Upper
252	100		
253	25.4	20.0	30.0
125	12.8	9.6	14.4

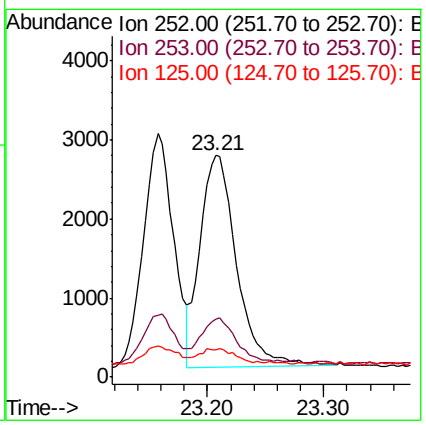


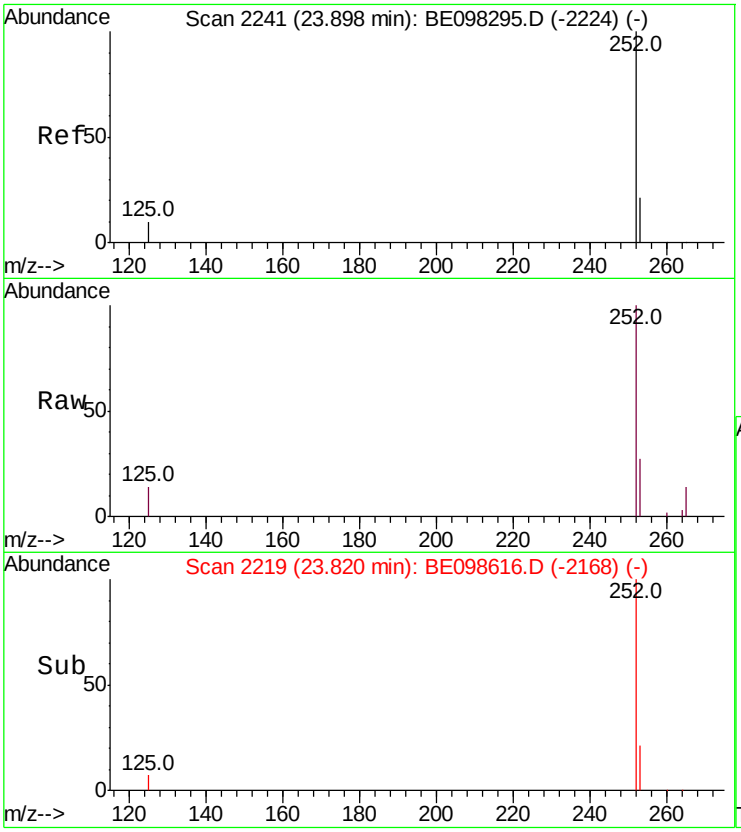


#36
Benzo(k)fluoranthene
Concen: 0.252 ng
RT: 23.21 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:252 Resp: 5820

Ion	Ratio	Lower	Upper
252	100		
253	26.3	19.0	28.6
125	12.1	9.1	13.7



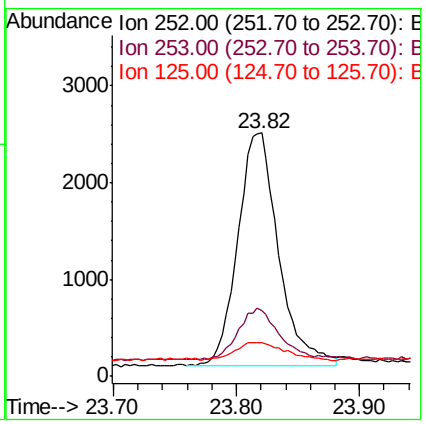


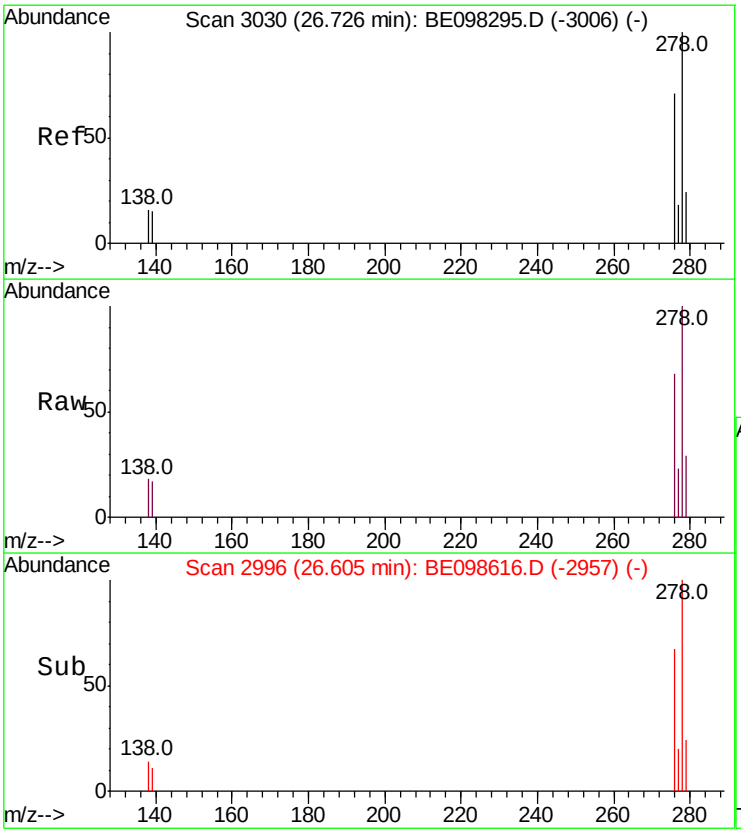
#37
Benzo(a)pyrene
Concen: 0.269 ng
RT: 23.82 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:252 Resp: 5510

Ion	Ratio	Lower	Upper
252	100		
253	26.8	20.6	30.8
125	13.8	10.5	15.7

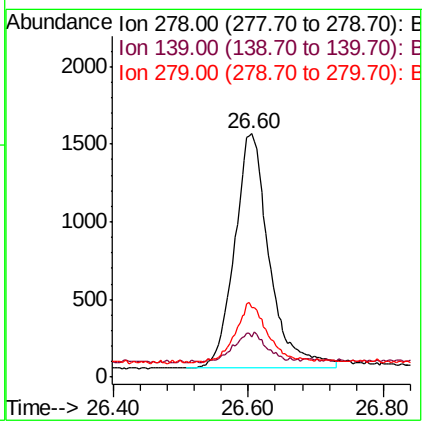


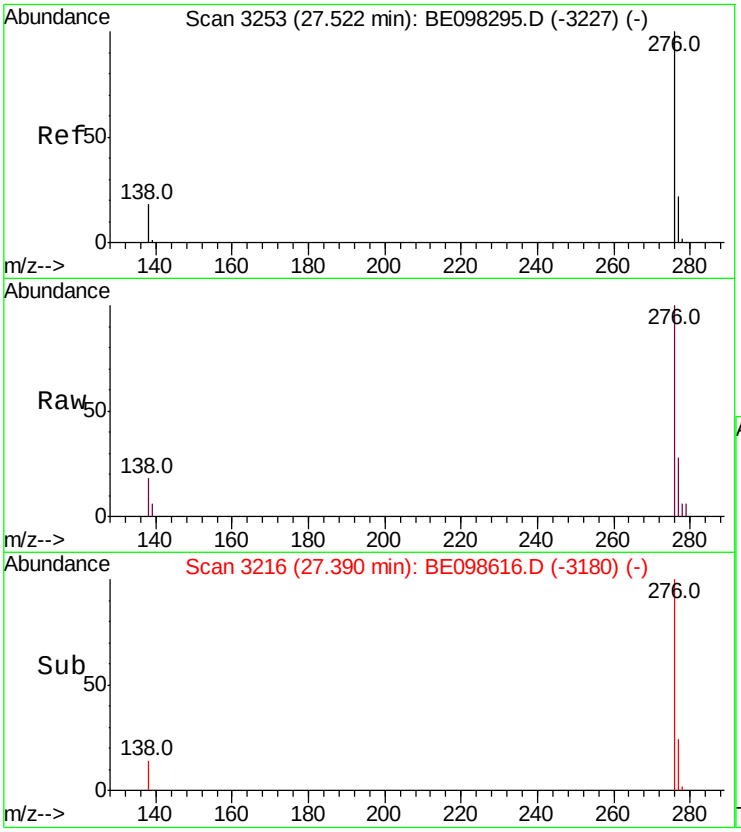


#38
Dibenzo(a,h)anthracene
Concen: 0.282 ng
RT: 26.60 min Scan# 2996
Delta R.T. -0.06 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Tgt Ion:278 Resp: 5432

Ion	Ratio	Lower	Upper
278	100		
139	16.6	14.5	21.7
279	28.8	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.295 ng
RT: 27.39 min Scan# 3216
Delta R.T. -0.07 min
Lab File: BE098616.D
Acq: 4 Jan 2019 15:37

Instrument :
BNA_E
ClientSampleId :
PB116164BSD

Tgt Ion:276 Resp: 5736

Ion	Ratio	Lower	Upper
276	100		
277	27.5	20.8	31.2
138	17.9	15.8	23.6