Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE111618\
Data File : BE098236.D
Acq On : 16 Nov 2018 19:06
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE111618

Quant Time: Nov 16 19:38:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 16 19:05:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	1421	0.40	ng	0.00
7) Naphthalene-d8	10.67	136	6634	0.40	ng	0.00
13) Acenaphthene-d10	14.53	164	4238	0.40	ng	0.00
19) Phenanthrene-d10	17.28	188	9709	0.40	ng	0.00
27) Chrysene-d12	21.46	240	10448	0.40	ng	0.00
34) Perylene-d12	24.02	264	10006	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.46	112	1618	0.42	ng	0.00
5) Phenol-d6	7.04	99	2504	0.42	ng	0.00
8) Nitrobenzene-d5	9.02	82	2718	0.43	ng	0.00
11) 2-Methylnaphthalene-d10	12.27	152	4786	0.41	ng	0.00
14) 2,4,6-Tribromophenol	16.03	330	582	0.43	ng	0.00
15) 2-Fluorobiphenyl	13.15	172	7366	0.40	ng	0.00
25) Fluoranthene-d10	19.31	212	47764	0.40	ng	0.00
29) Terphenyl-d14	19.91	244	9851	0.41	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.37	88	914	0.410	ng	92
3) n-Nitrosodimethylamine	3.68	42	1026	0.409	ng	94
6) bis(2-Chloroethyl)ether	7.29	93	2053	0.400	ng	93
9) Naphthalene	10.72	128	28156	0.417	ng	100
10) Hexachlorobutadiene	11.00	225	1625	0.410	ng	98
12) 2-Methylnaphthalene	12.34	142	4957	0.417	ng	93
16) Acenaphthylene	14.25	152	8064	0.400	ng	100
17) Acenaphthene	14.60	154	4888	0.406	ng	99
18) Fluorene	15.58	166	6288	0.409	ng	99
20) 4-Bromophenyl-phenylether	16.46	248	2434	0.405	ng	96
21) Hexachlorobenzene	16.59	284	2539	0.409	ng	97
22) Pentachlorophenol	16.94	266	339	0.380	ng	91
23) Phenanthrene	17.33	178	10071	0.403	ng	100
24) Anthracene	17.41	178	9159	0.404	ng	99
26) Fluoranthene	19.34	202	12201	0.407	ng	99
28) Pyrene	19.70	202	12585	0.412	ng	99
30) Benzo(a)anthracene	21.45	228	12336	0.408	ng	98
31) Chrysene	21.50	228	13207	0.425	ng	99
32) Bis(2-ethylhexyl)phthalate	21.37	149	19946	0.423	ng	100
33) Indeno(1,2,3-cd)pyrene	26.72	276	11141	0.419	ng	98
35) Benzo(b)fluoranthene	23.23	252	11385	0.403	ng	97
36) Benzo(k)fluoranthene	23.28	252	13141	0.412	ng	99
37) Benzo(a)pyrene	23.90	252	11132	0.401	ng	98
38) Dibenzo(a,h)anthracene	26.74	278	9236	0.415	ng	98
39) Benzo(g,h,i)perylene	27.54	276	9538	0.398	ng	97

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

Quantitation Report (QT Reviewed)

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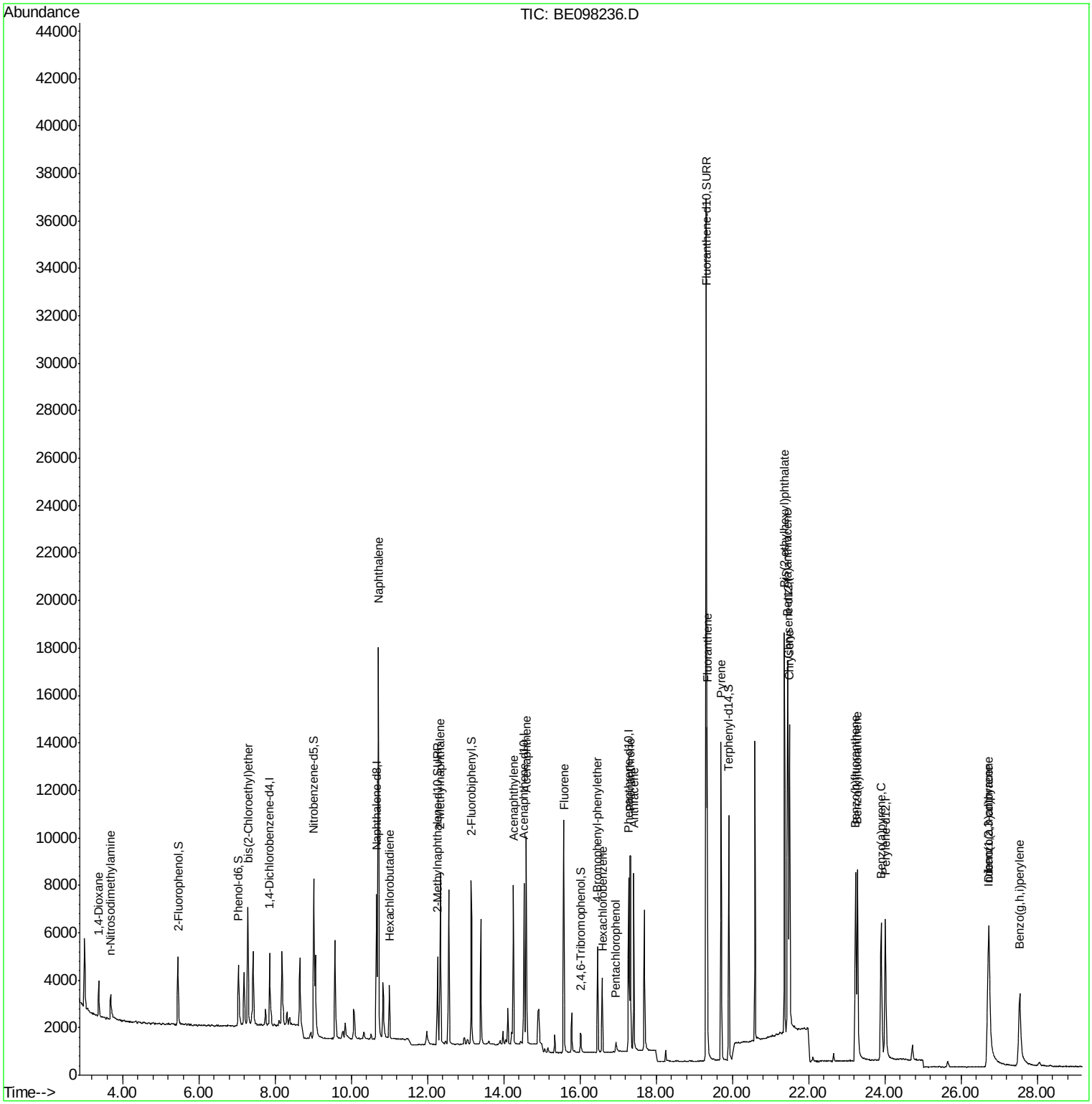
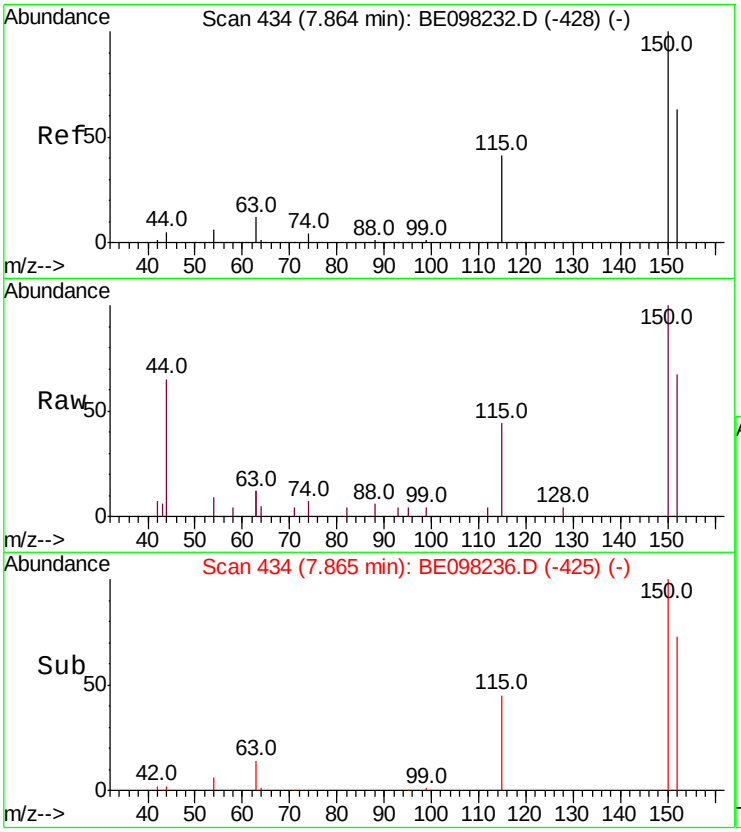
Data File : BE098236.D
Acq On : 16 Nov 2018 19:06
Operator : SJ/JU
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Quant Time: Nov 16 19:38:11 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE111618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 16 19:05:33 2018
Response via : Initial Calibration



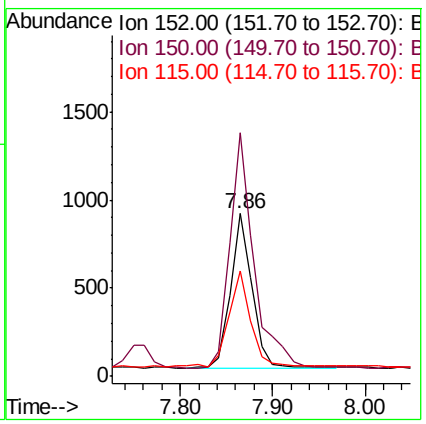


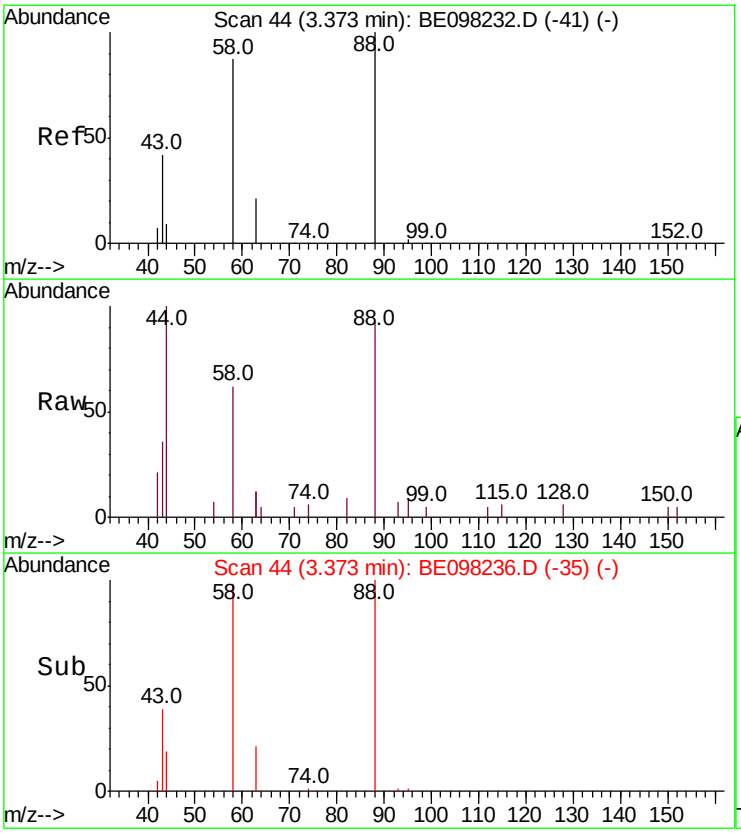
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:152 Resp: 1421

Ion	Ratio	Lower	Upper
152	100		
150	149.8	127.5	191.3
115	65.2	60.3	90.5

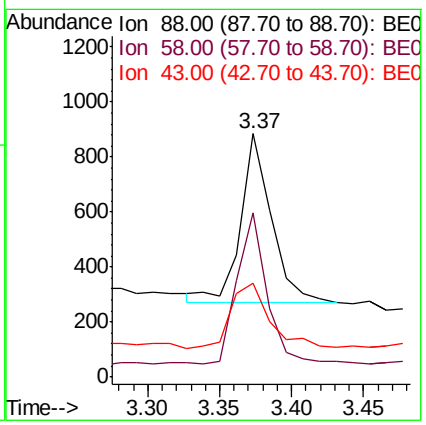


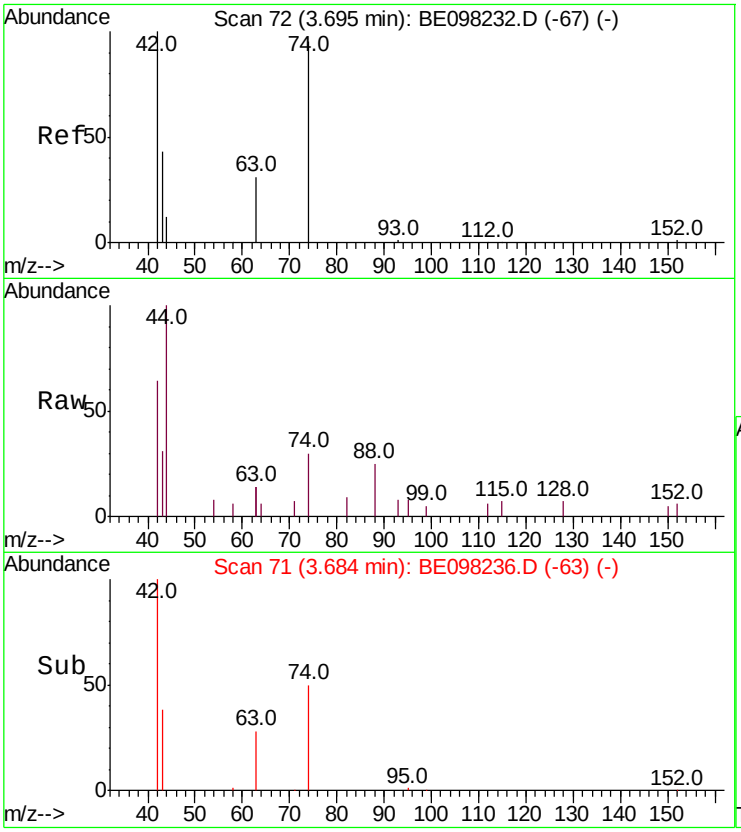


#2
1,4-Dioxane
Concen: 0.410 ng
RT: 3.37 min Scan# 44
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion: 88 Resp: 914

Ion	Ratio	Lower	Upper
88	100		
58	88.0	79.0	118.4
43	49.8	38.1	57.1



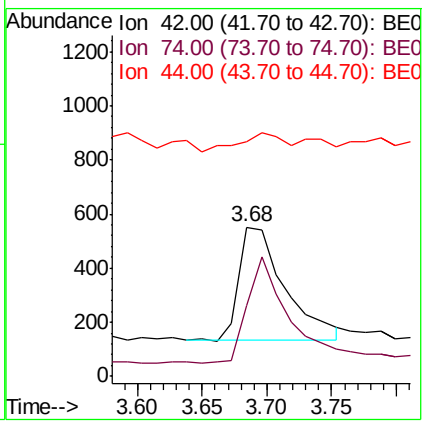


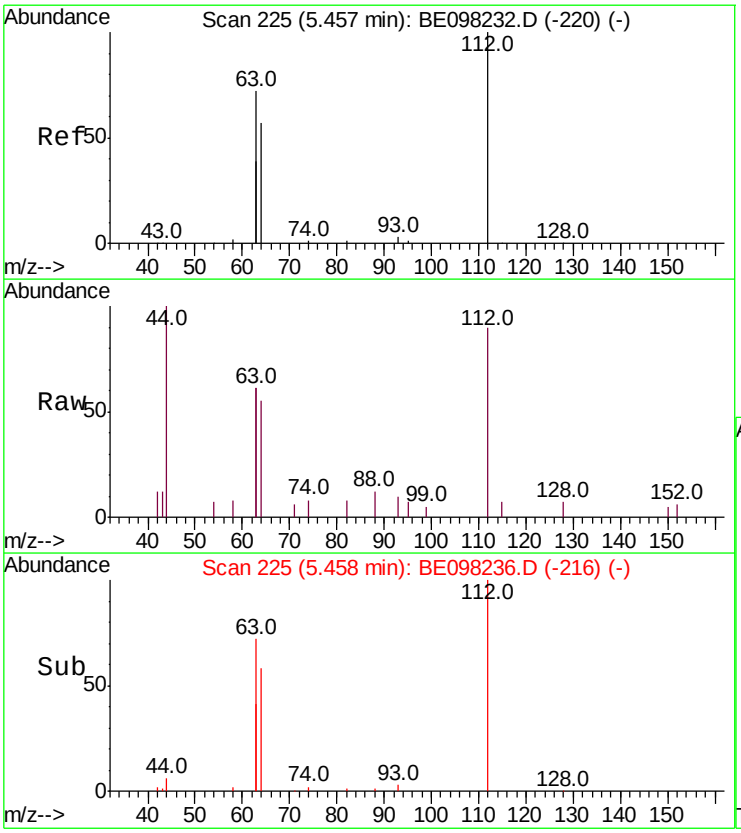
#3
n-Nitrosodimethylamine
Concen: 0.409 ng
RT: 3.68 min Scan# 71
Delta R.T. -0.01 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion: 42 Resp: 1026

Ion	Ratio	Lower	Upper
42	100		
74	83.1	61.7	92.5
44	15.8	14.0	21.0

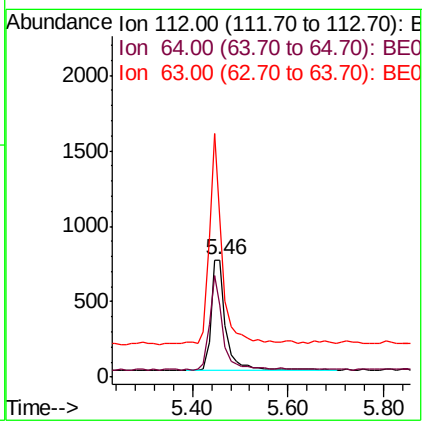


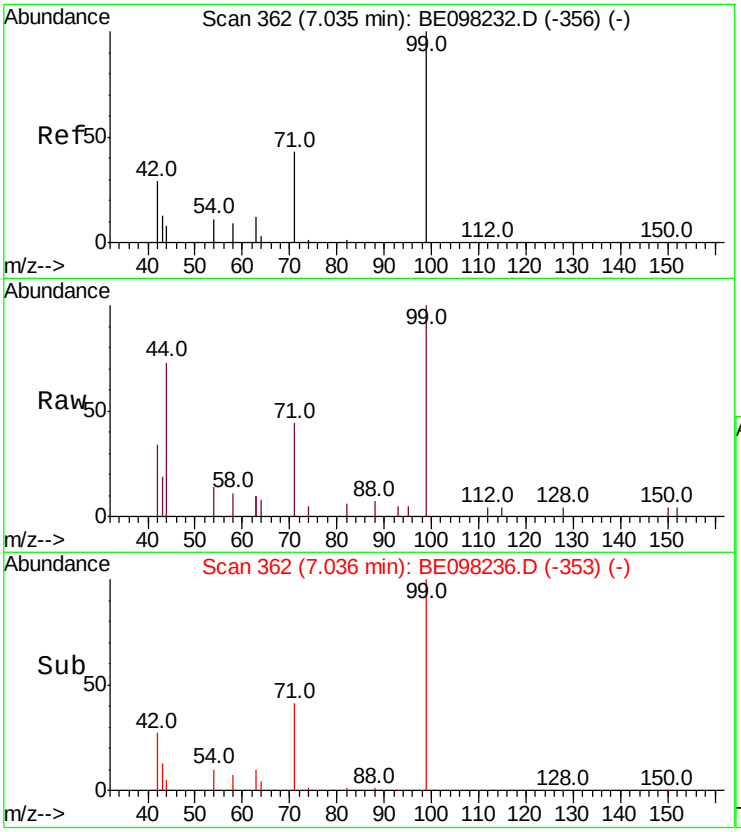


#4
2-Fluorophenol
Concen: 0.425 ng
RT: 5.46 min Scan# 225
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:112 Resp: 1618

Ion	Ratio	Lower	Upper
112	100		
64	73.9	61.7	92.5
63	157.4	136.2	204.2



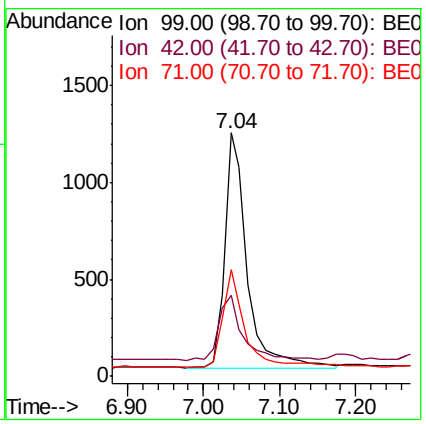


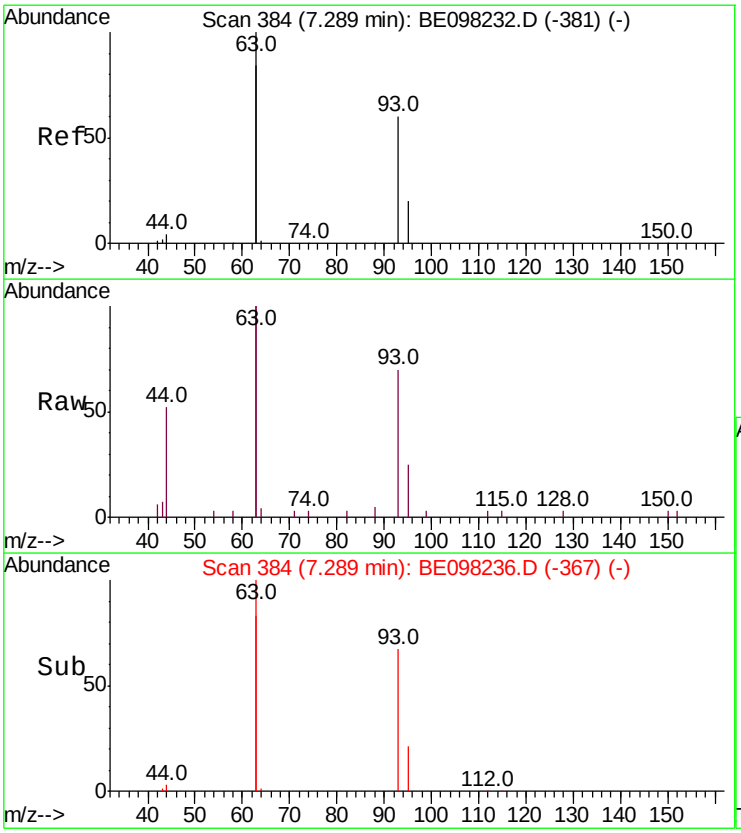
#5
Phenol-d6
Concen: 0.418 ng
RT: 7.04 min Scan# 362
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion: 99 Resp: 2504

Ion	Ratio	Lower	Upper
99	100		
42	28.7	27.1	40.7
71	41.6	37.0	55.6

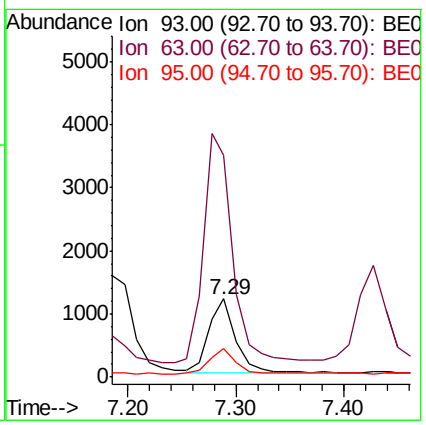


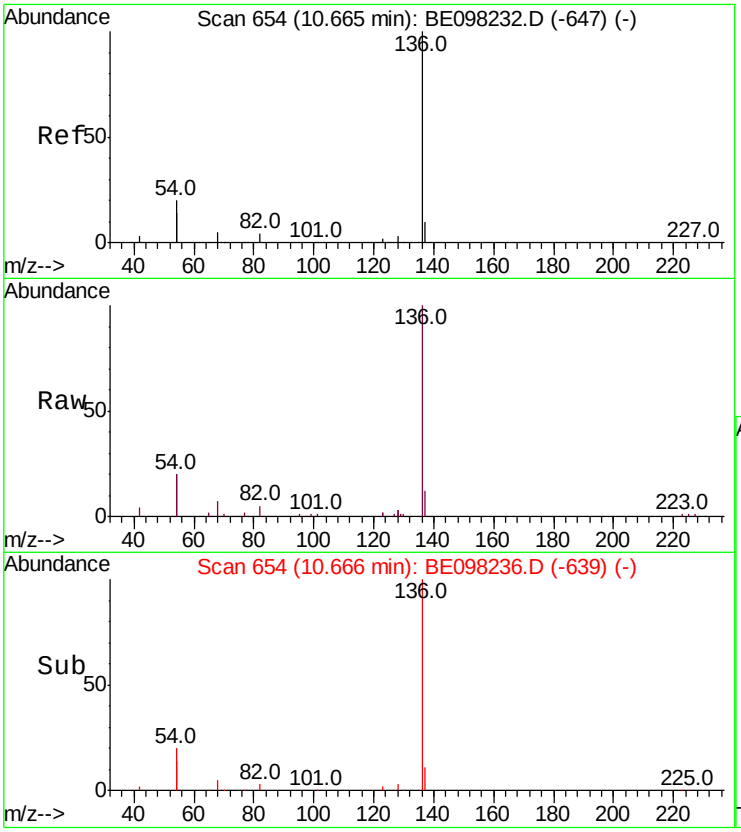


#6
bis(2-Chloroethyl)ether
Concen: 0.400 ng
RT: 7.29 min Scan# 384
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion: 93 Resp: 2053

Ion	Ratio	Lower	Upper
93	100		
63	326.0	272.6	409.0
95	32.6	27.1	40.7



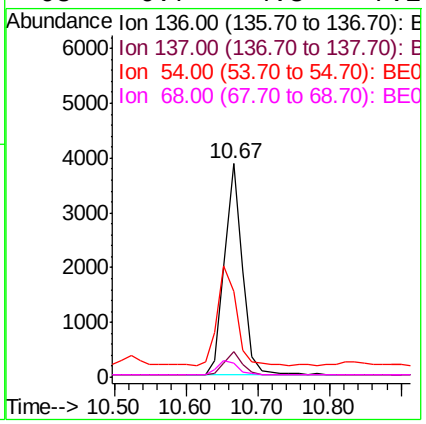


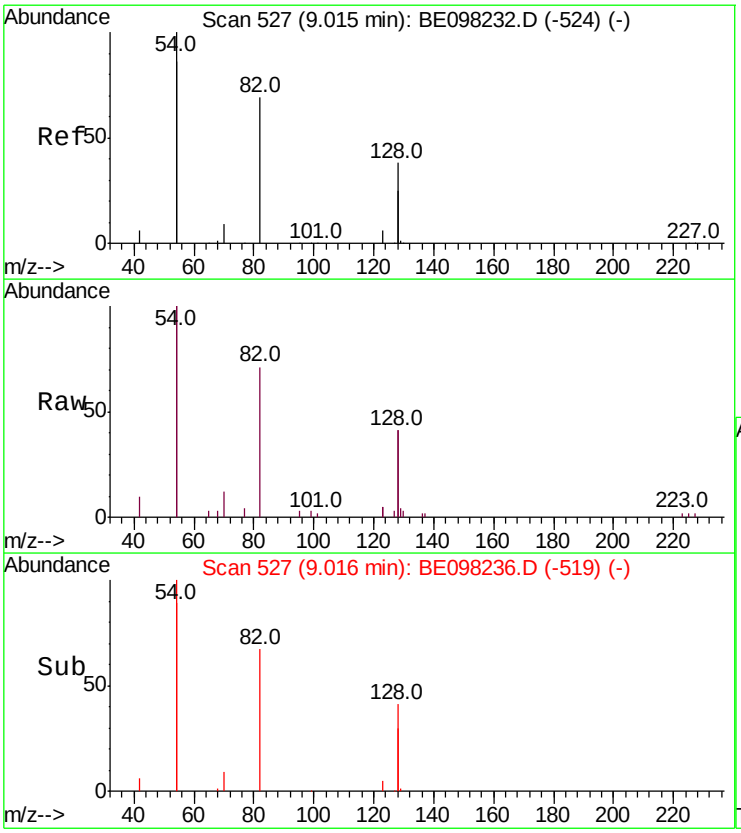
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:136 Resp: 6634

Ion	Ratio	Lower	Upper
136	100		
137	12.0	9.5	14.3
54	40.3	31.3	46.9
68	6.7	4.8	7.2

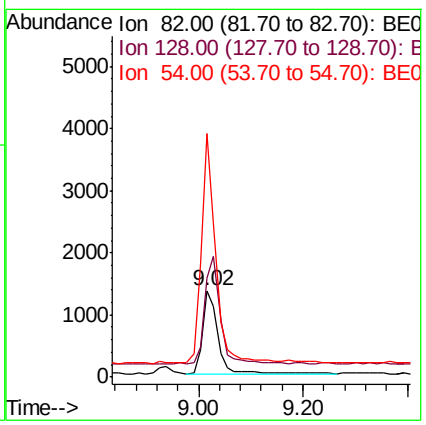


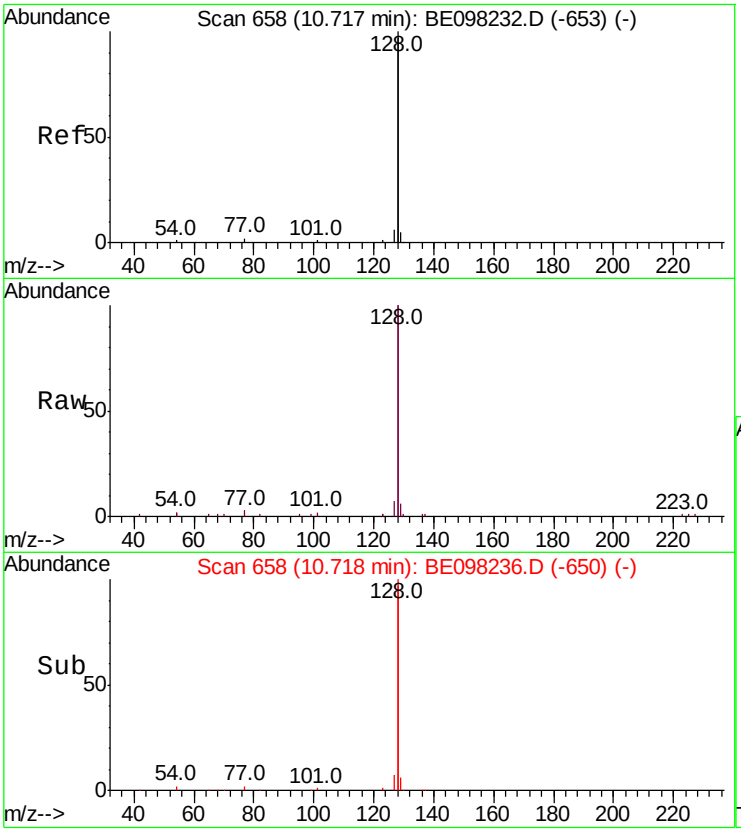


#8
Nitrobenzene-d5
Concen: 0.434 ng
RT: 9.02 min Scan# 527
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion: 82 Resp: 2718

Ion	Ratio	Lower	Upper
82	100		
128	114.7	96.1	144.1
54	281.6	232.0	348.0



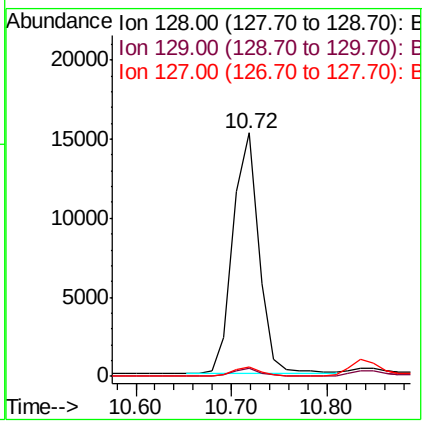


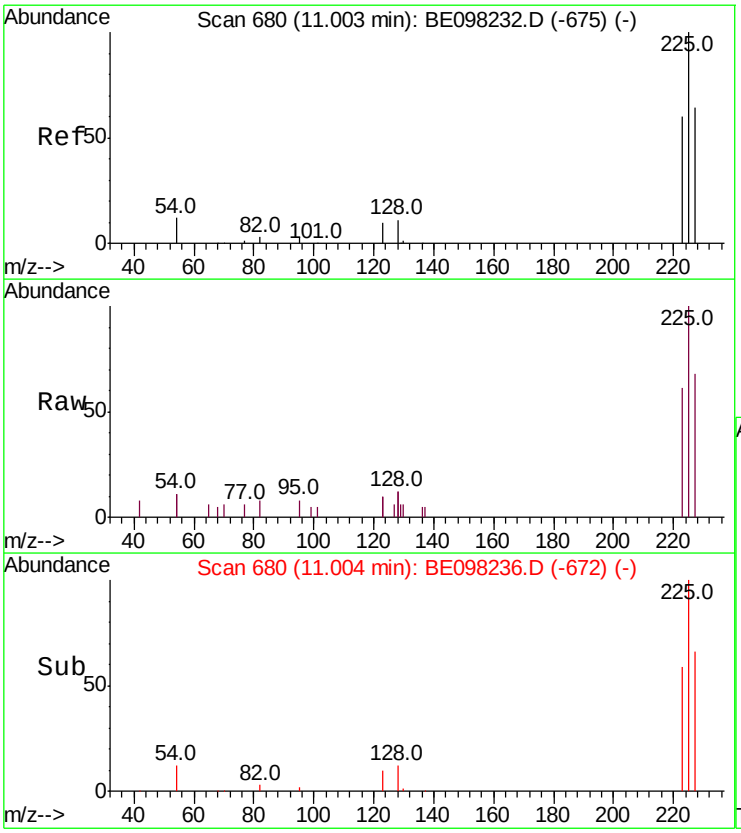
#9
Naphthalene
Concen: 0.417 ng
RT: 10.72 min Scan# 658
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:128 Resp: 28156

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	4.0
127	3.6	2.8	4.2

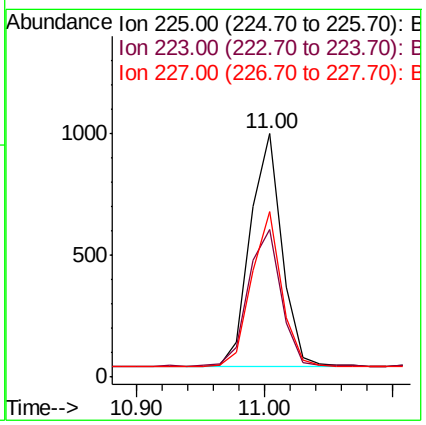


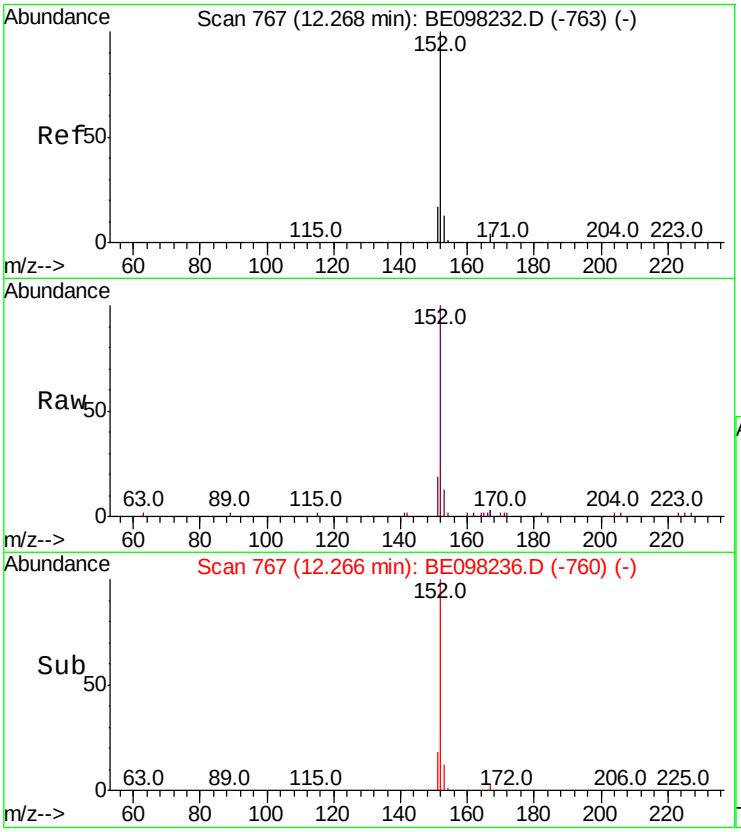


#10
Hexachlorobutadiene
Concen: 0.410 ng
RT: 11.00 min Scan# 680
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:225 Resp: 1625

Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.5	75.7
227	63.6	50.3	75.5



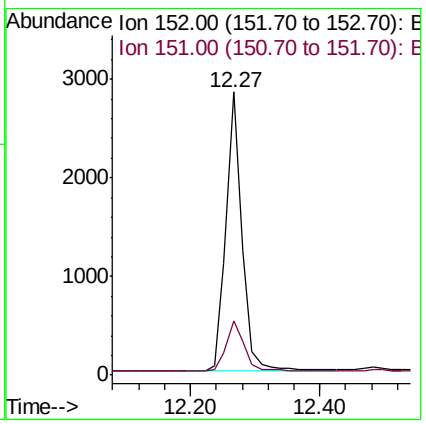


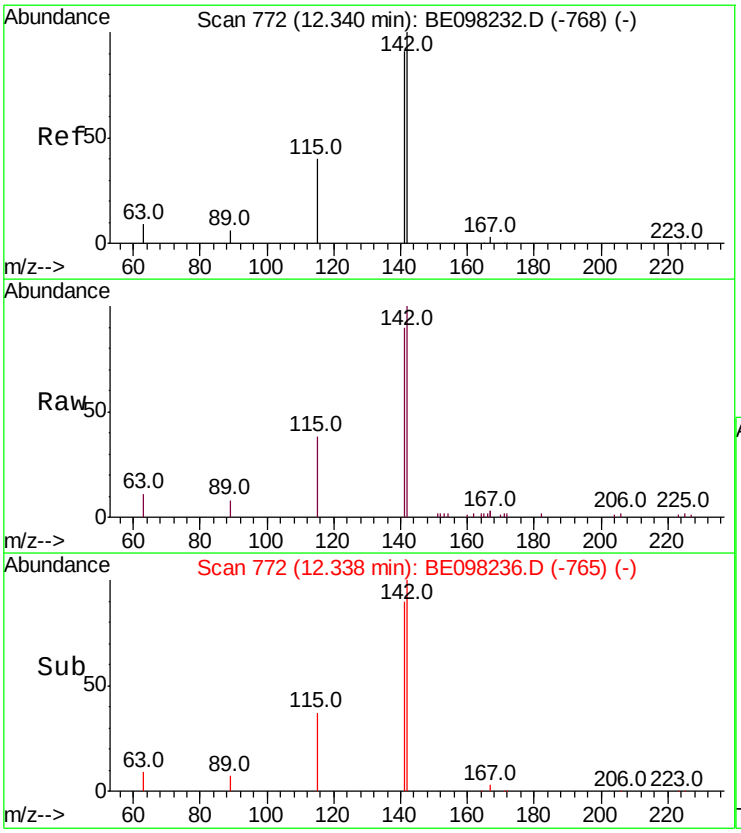
#11
2-Methylnaphthalene-d10
Concen: 0.411 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:152 Resp: 4786

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2

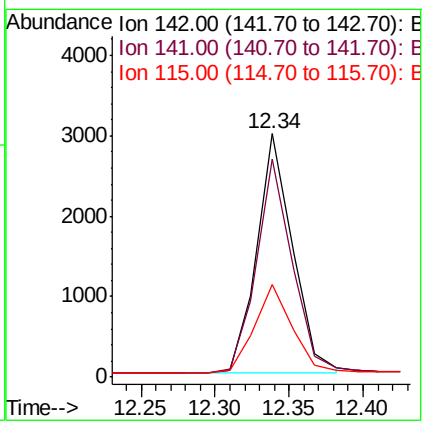


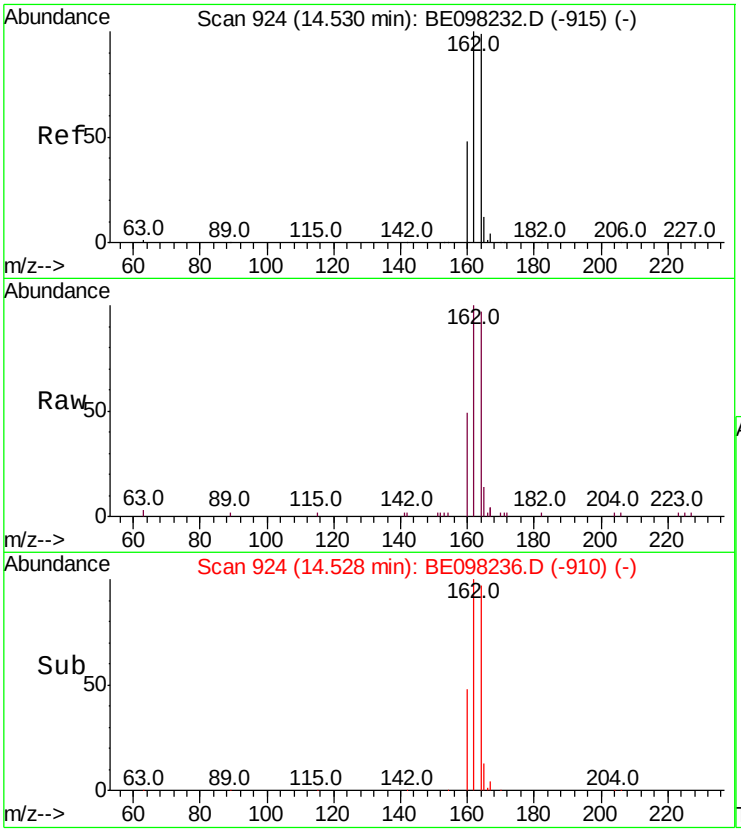


#12
2-Methylnaphthalene
Concen: 0.417 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:142 Resp: 4957

Ion	Ratio	Lower	Upper
142	100		
141	89.7	76.3	114.5
115	38.2	35.8	53.8



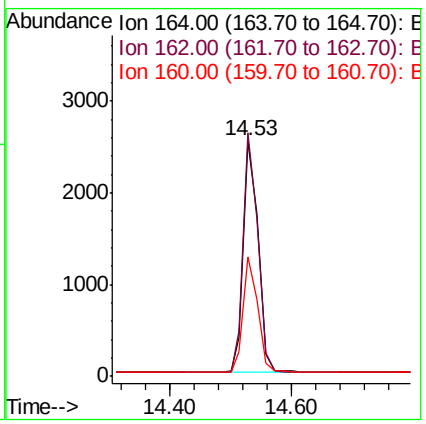


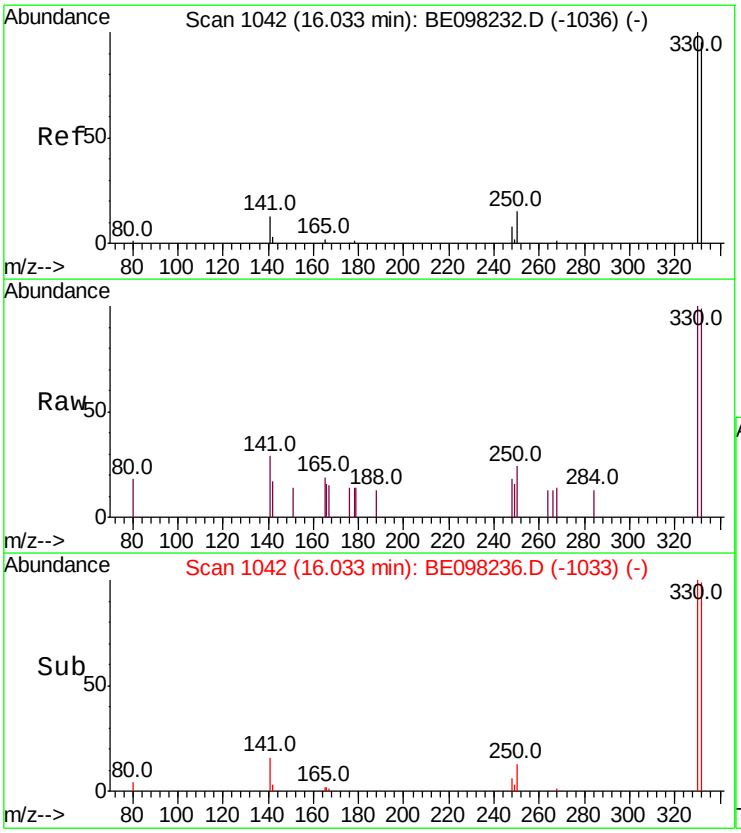
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:164 Resp: 4238

Ion	Ratio	Lower	Upper
164	100		
162	103.5	81.8	122.6
160	50.6	39.4	59.0

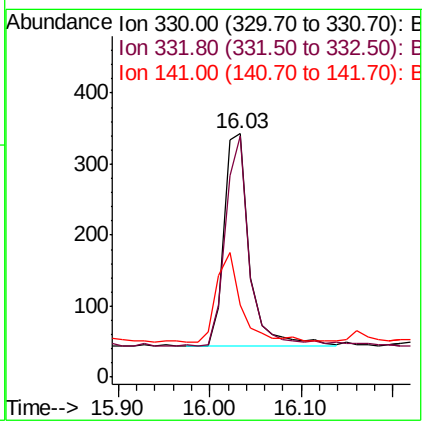


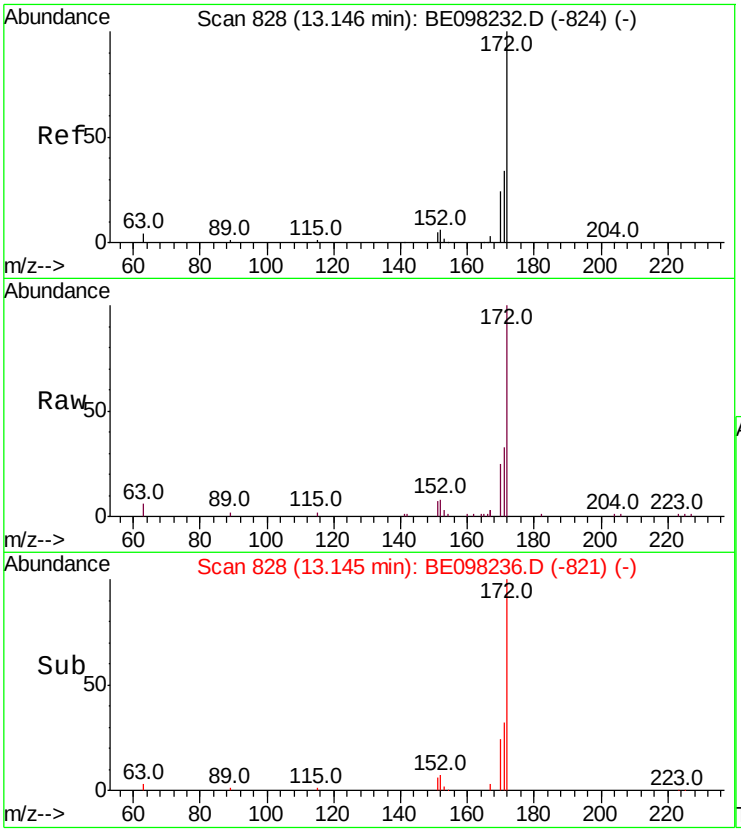


#14
2,4,6-Tribromophenol
Concen: 0.426 ng
RT: 16.03 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:330 Resp: 582

Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.7	116.5
141	38.7	33.6	50.4



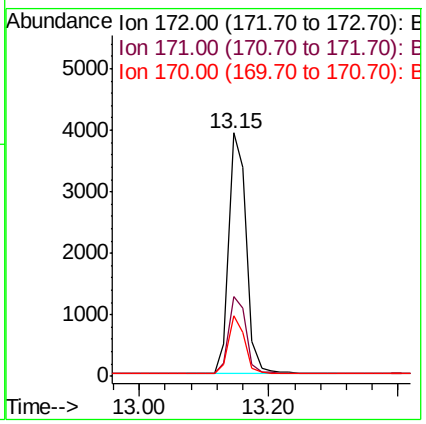


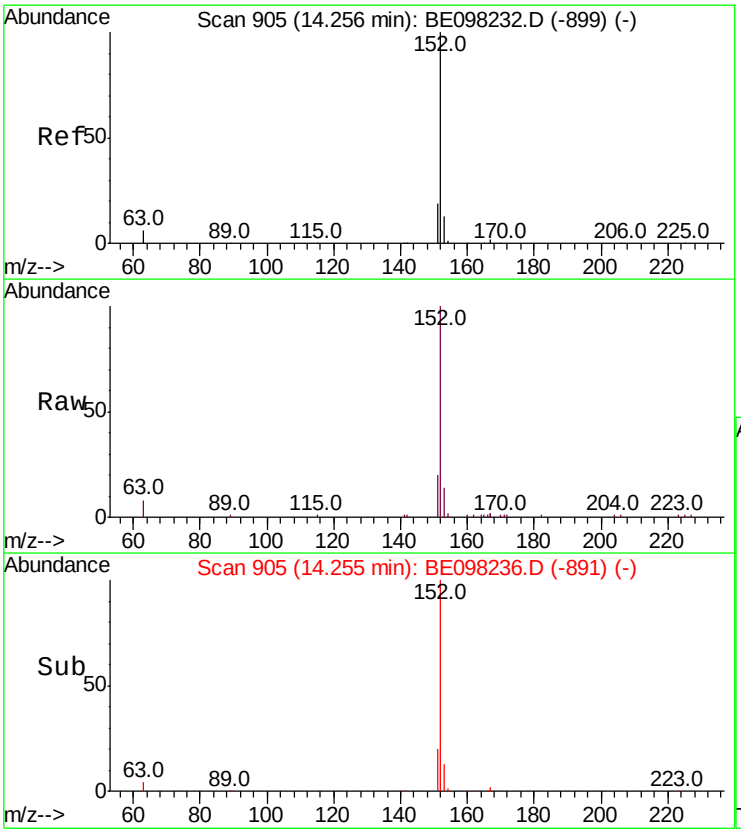
#15
2-Fluorobiphenyl
Concen: 0.400 ng
RT: 13.15 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:172 Resp: 7366

Ion	Ratio	Lower	Upper
172	100		
171	32.5	27.3	40.9
170	24.9	19.4	29.0

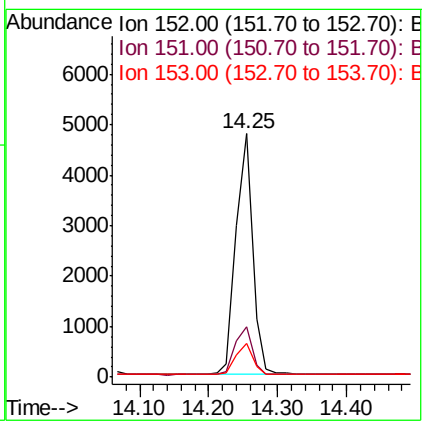


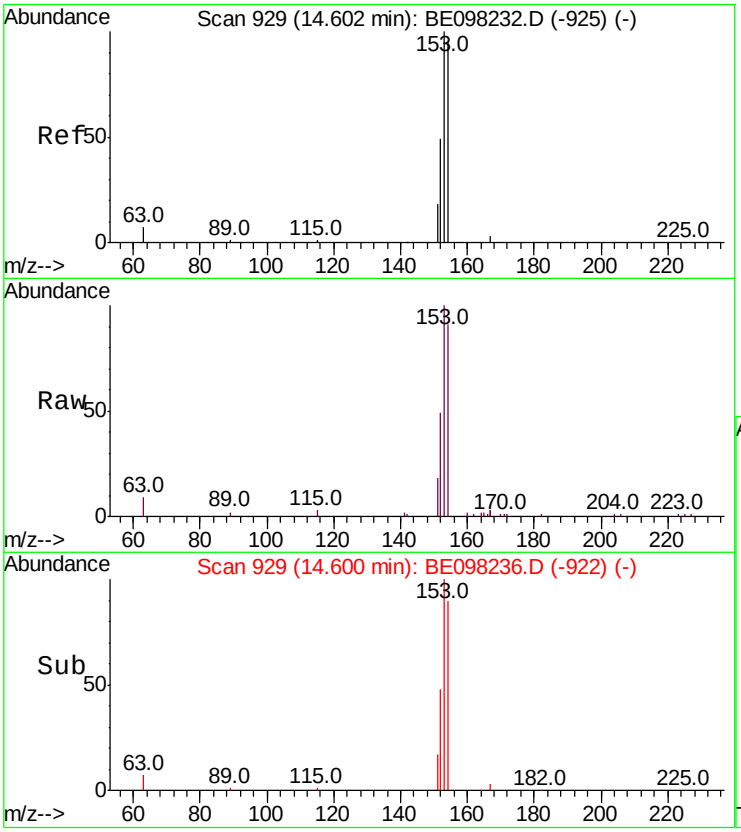


#16
Acenaphthylene
Concen: 0.400 ng
RT: 14.25 min Scan# 905
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:152 Resp: 8064

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.4	24.6
153	13.2	10.6	15.8



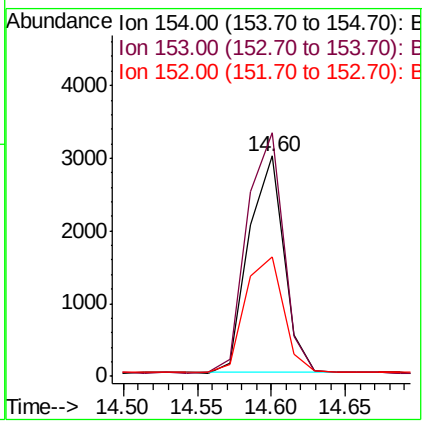


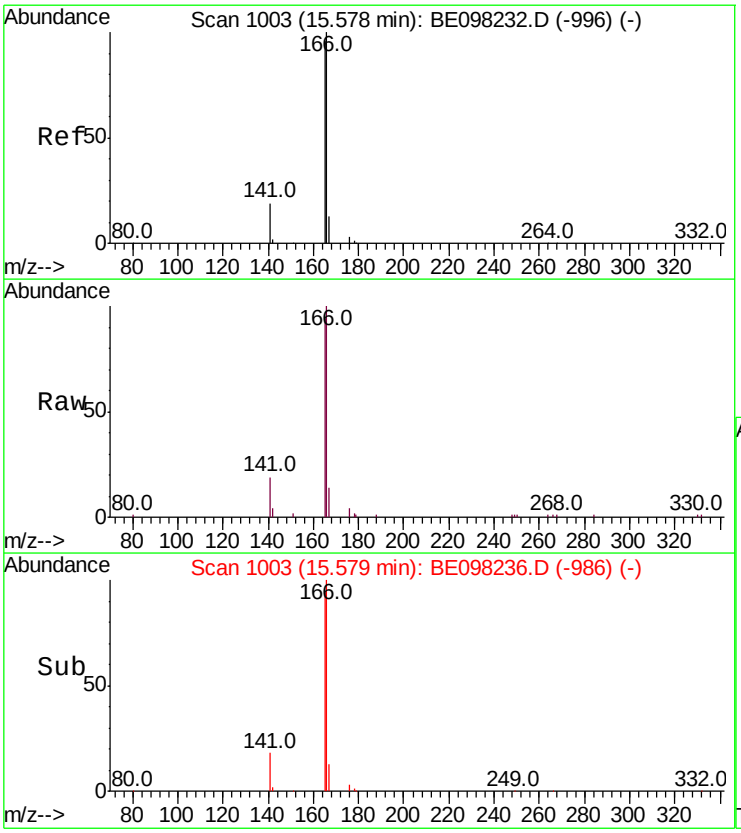
#17
Acenaphthene
Concen: 0.406 ng
RT: 14.60 min Scan# 929
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:154 Resp: 4888

Ion	Ratio	Lower	Upper
154	100		
153	115.8	92.1	138.1
152	58.9	46.2	69.2

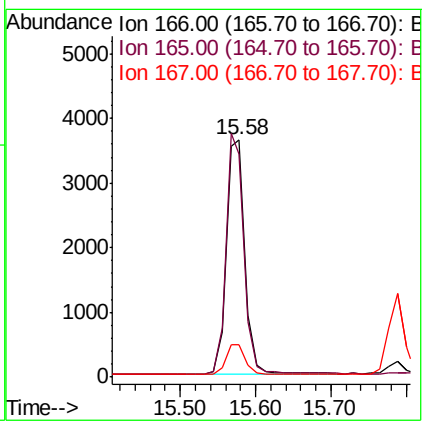


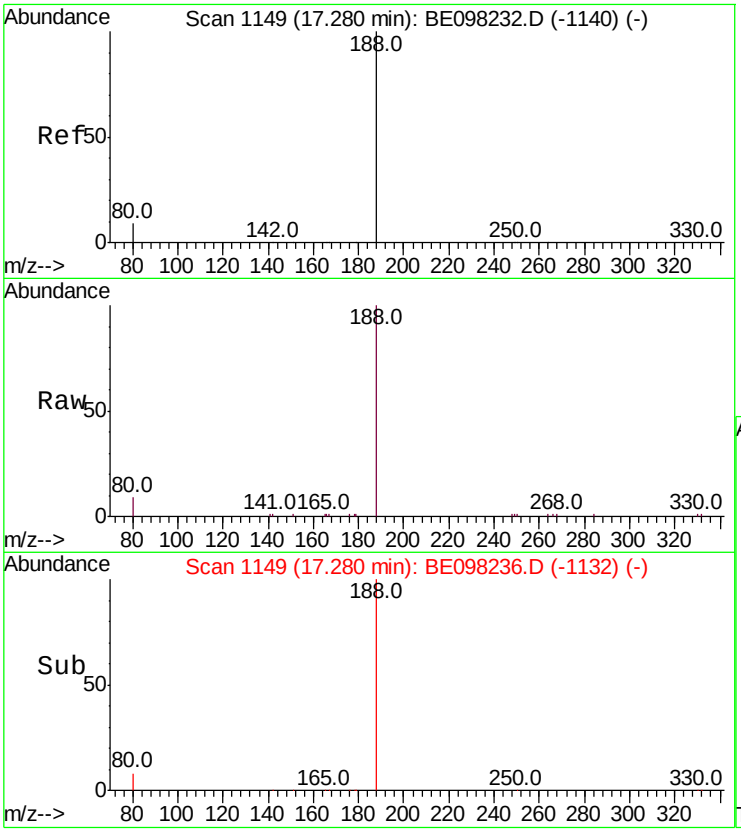


#18
Fluorene
Concen: 0.409 ng
RT: 15.58 min Scan# 1003
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:166 Resp: 6288

Ion	Ratio	Lower	Upper
166	100		
165	99.4	80.1	120.1
167	13.5	10.8	16.2



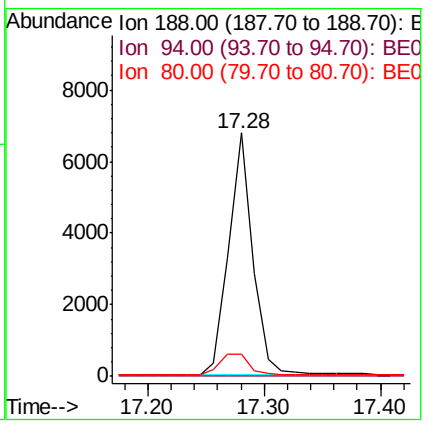


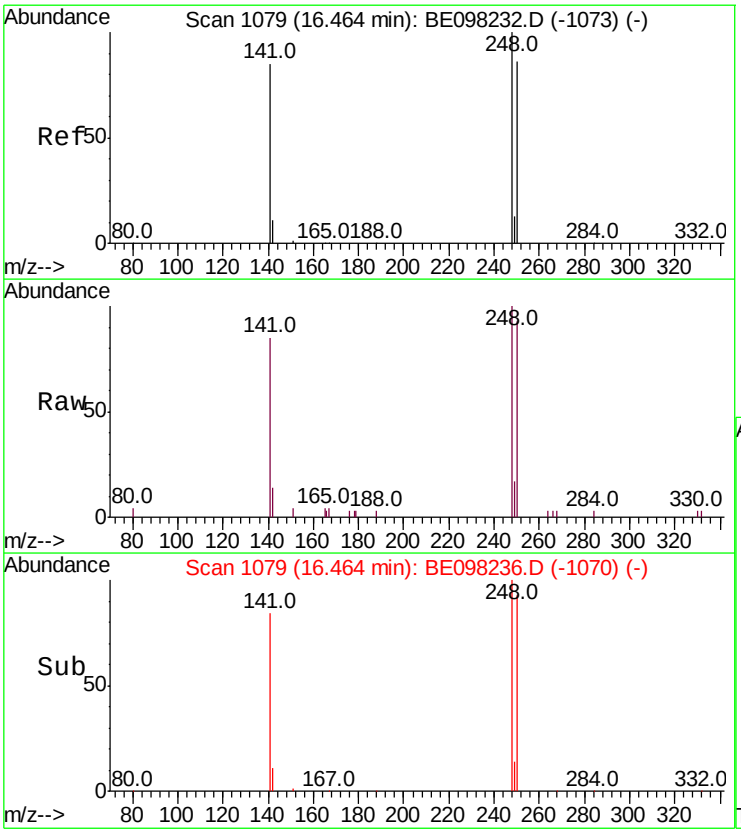
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.28 min Scan# 1149
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:188 Resp: 9709

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.0	6.7	10.1

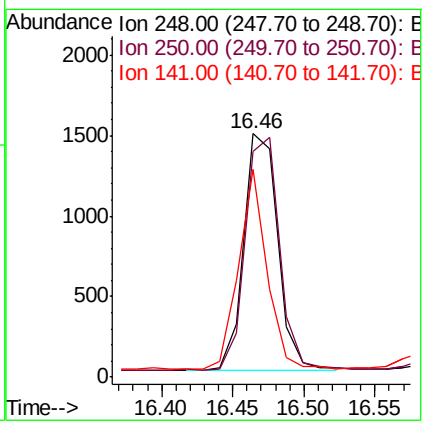


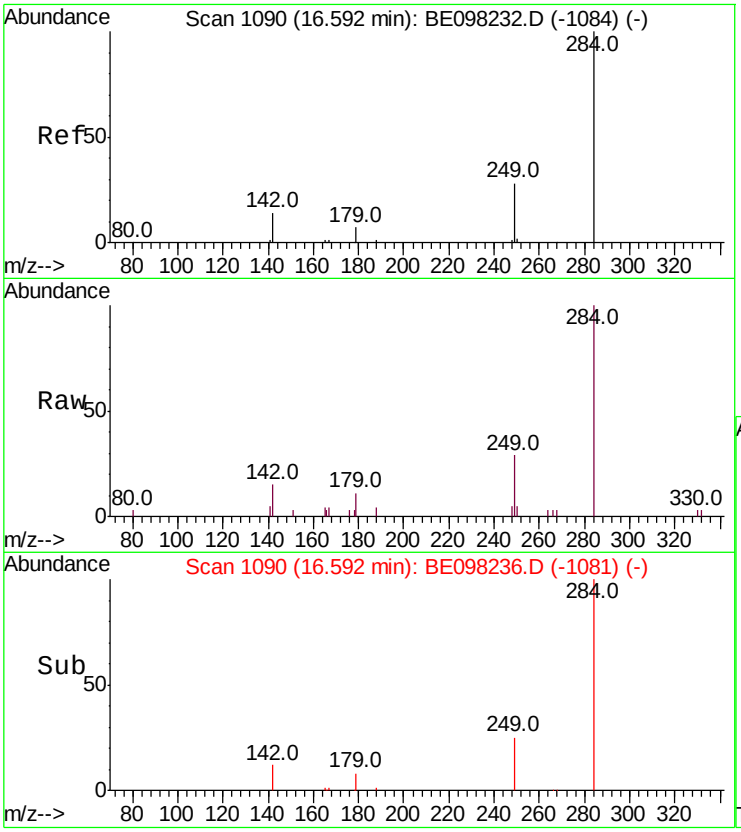


#20
4-Bromophenyl-phenylether
Concen: 0.405 ng
RT: 16.46 min Scan# 1079
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:248 Resp: 2434

Ion	Ratio	Lower	Upper
248	100		
250	92.7	77.6	116.4
141	85.1	65.8	98.8



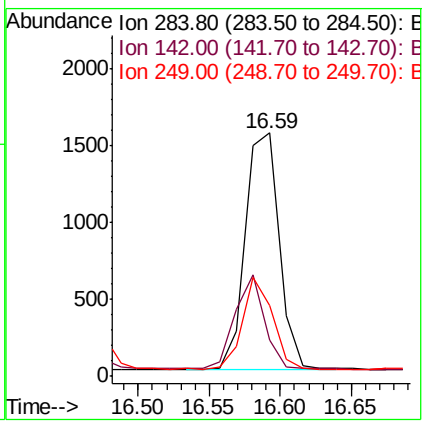


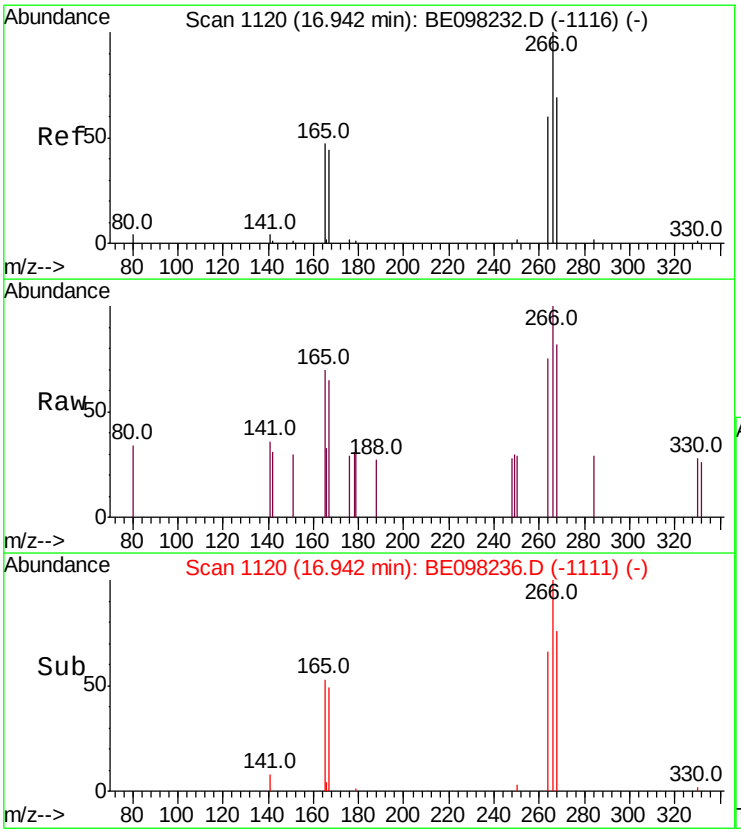
#21
Hexachlorobenzene
Concen: 0.409 ng
RT: 16.59 min Scan# 1090
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:284 Resp: 2539

Ion	Ratio	Lower	Upper
284	100		
142	35.0	26.5	39.7
249	34.3	28.4	42.6

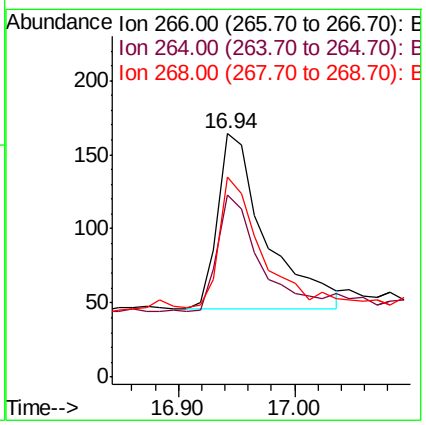


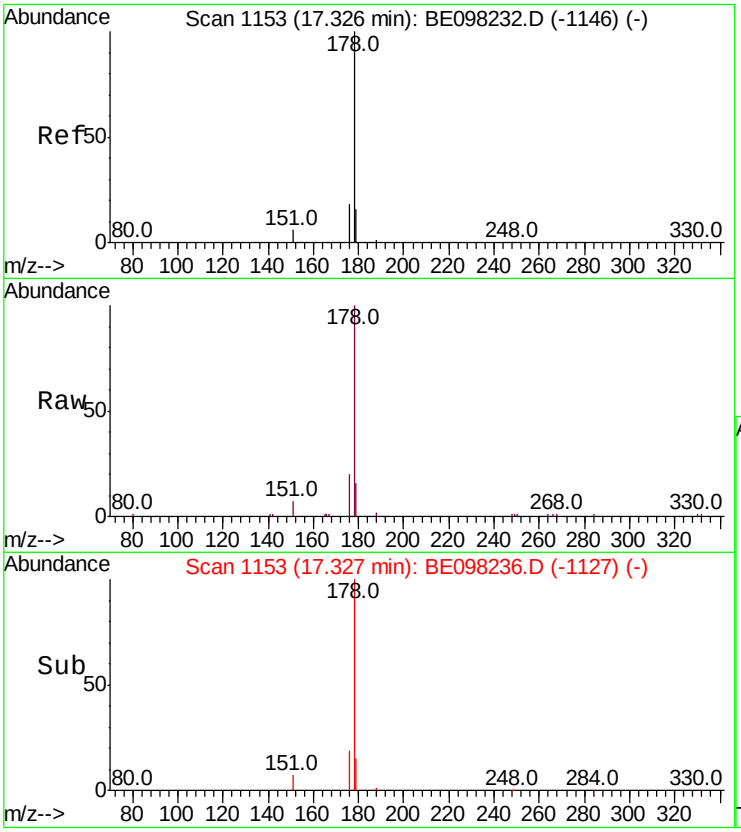


#22
Pentachlorophenol
Concen: 0.380 ng
RT: 16.94 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:266 Resp: 339

Ion	Ratio	Lower	Upper
266	100		
264	75.0	57.6	86.4
268	82.3	56.8	85.2



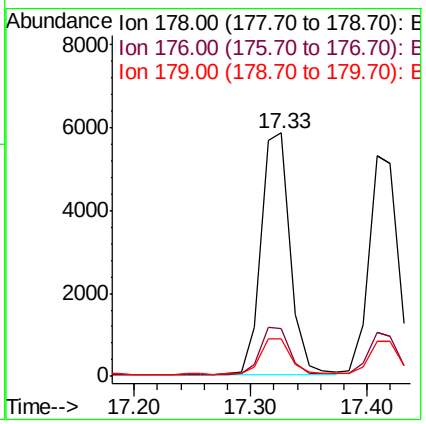


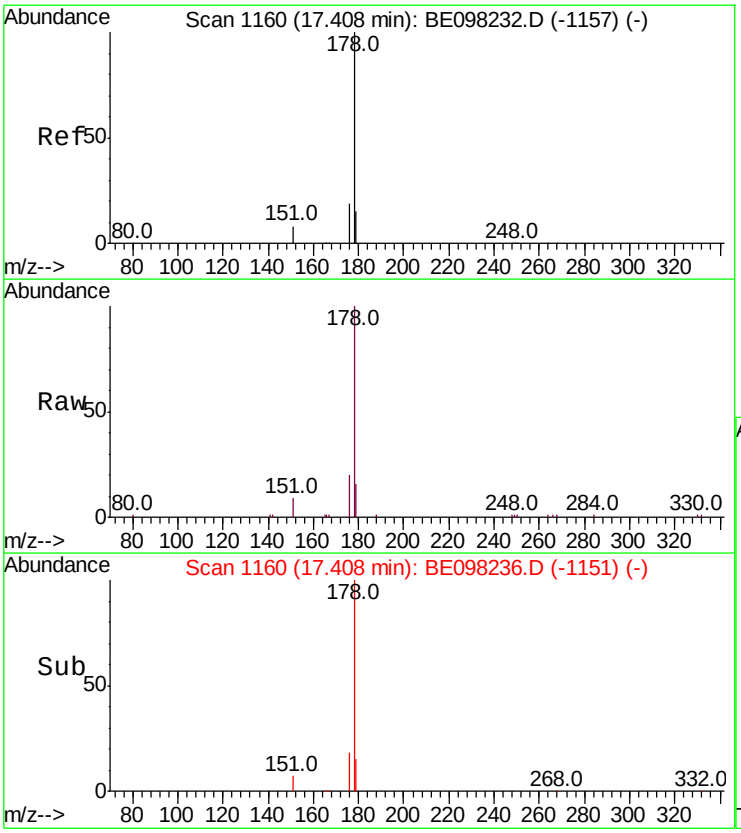
#23
Phenanthrene
Concen: 0.403 ng
RT: 17.33 min Scan# 1153
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:178 Resp: 10071

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.7	12.3	18.5

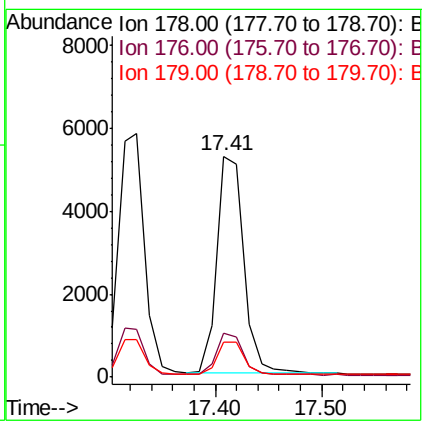


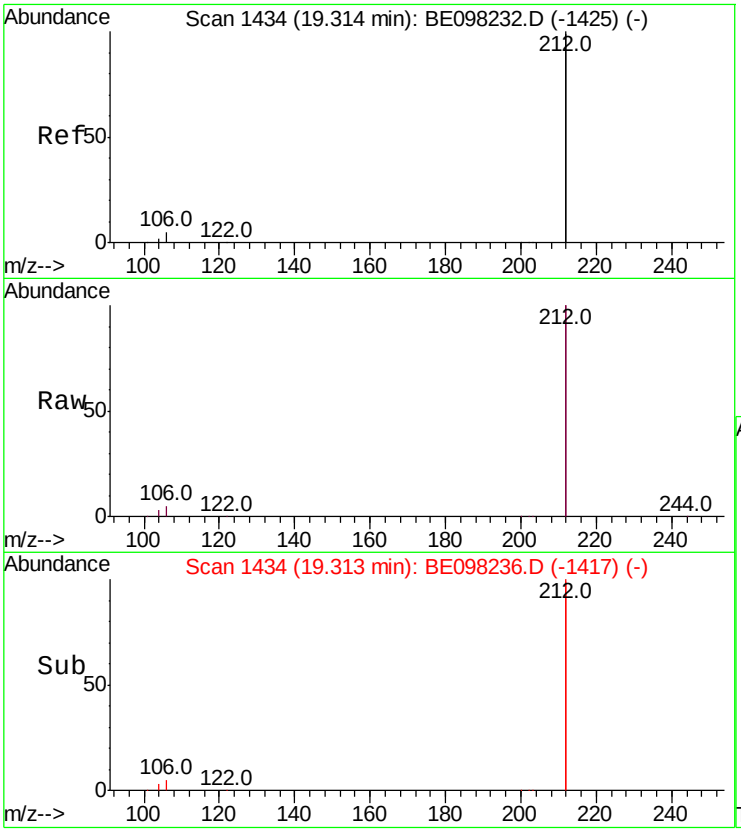


#24
Anthracene
Concen: 0.404 ng
RT: 17.41 min Scan# 1160
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:178 Resp: 9159

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.2	12.1	18.1



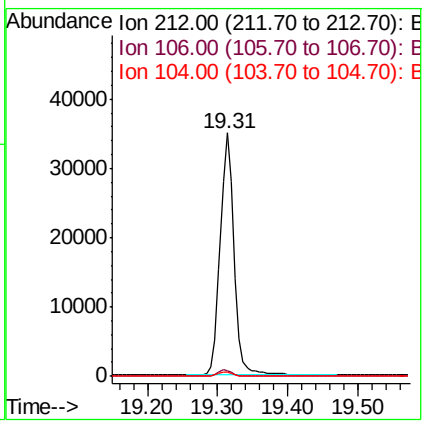


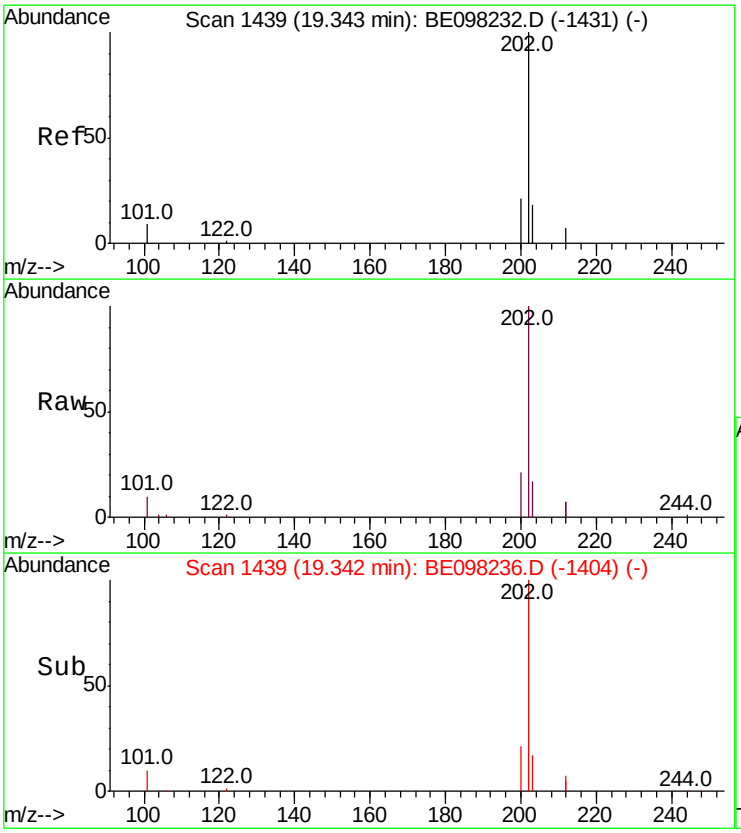
#25
Fluoranthene-d10
Concen: 0.404 ng
RT: 19.31 min Scan# 1434
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:212 Resp: 47764

Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.8	2.8
104	1.5	1.1	1.7

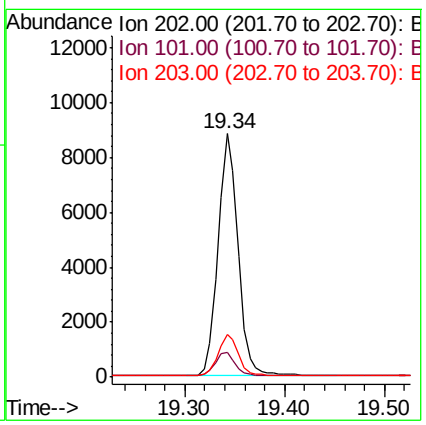


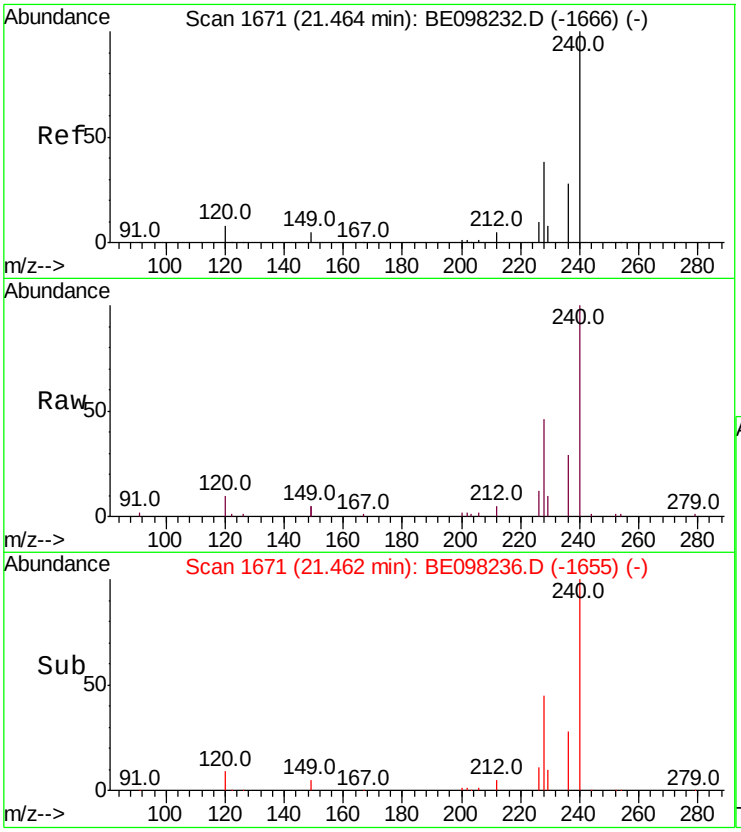


#26
Fluoranthene
Concen: 0.407 ng
RT: 19.34 min Scan# 1439
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:202 Resp: 12201

Ion	Ratio	Lower	Upper
202	100		
101	9.7	7.0	10.6
203	17.1	13.7	20.5



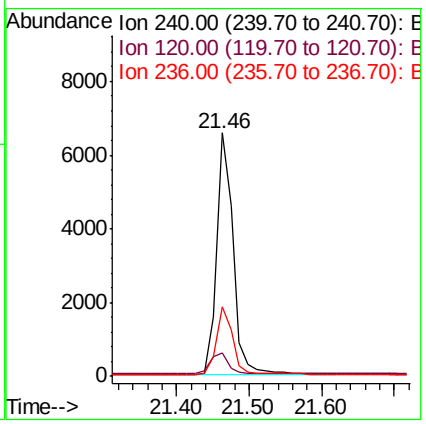


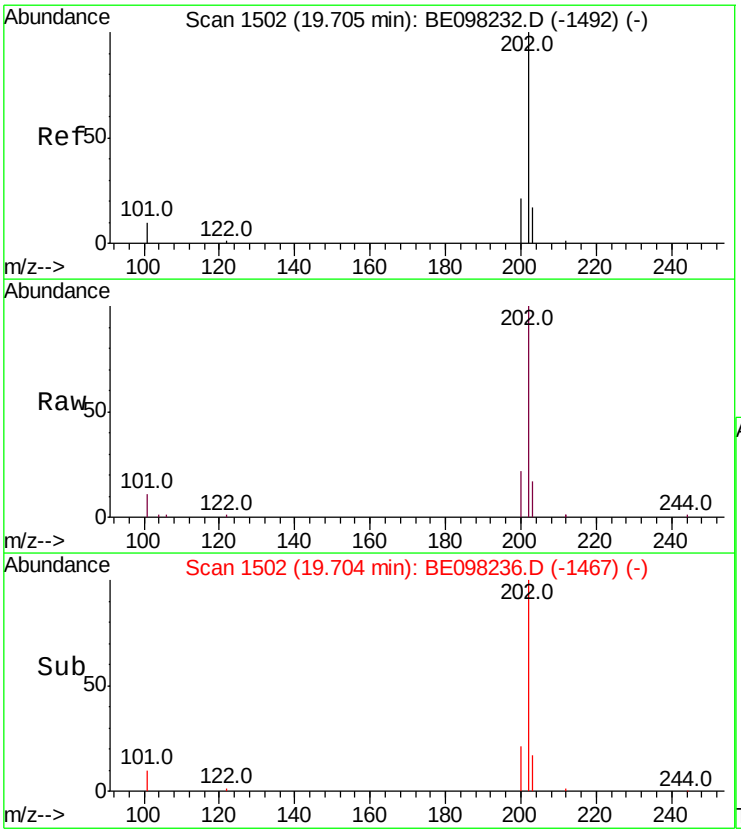
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.46 min Scan# 1671
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:240 Resp: 10448

Ion	Ratio	Lower	Upper
240	100		
120	9.9	4.8	7.2#
236	28.6	21.4	32.0

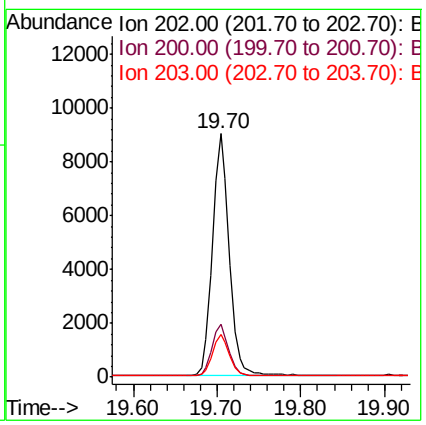


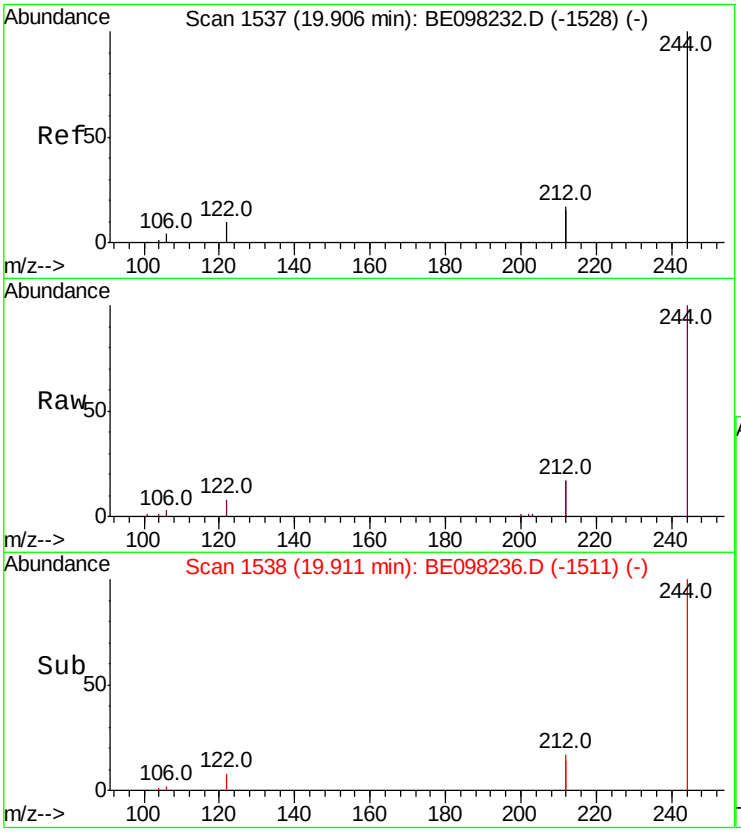


#28
Pyrene
Concen: 0.412 ng
RT: 19.70 min Scan# 1502
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:202 Resp: 12585

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.2	25.8
203	17.0	14.2	21.4



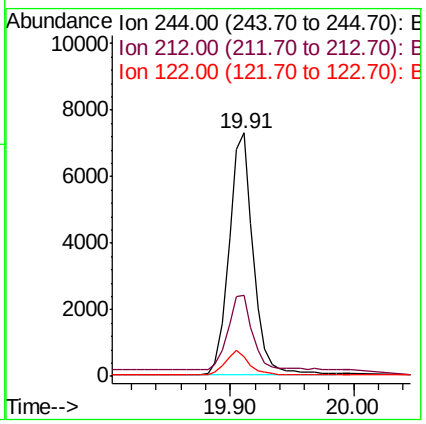


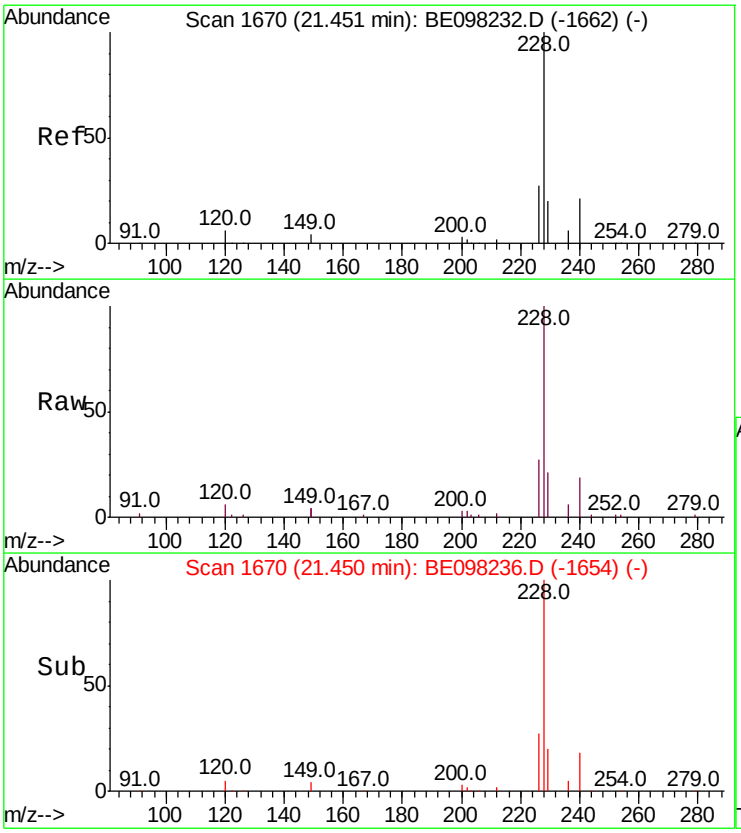
#29
Terphenyl-d14
Concen: 0.410 ng
RT: 19.91 min Scan# 1538
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:244 Resp: 9851

Ion	Ratio	Lower	Upper
244	100		
212	33.3	26.8	40.2
122	8.2	7.0	10.6

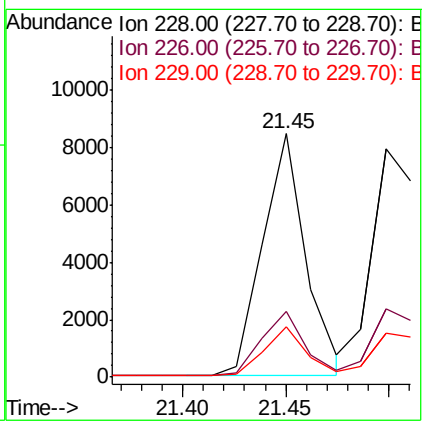


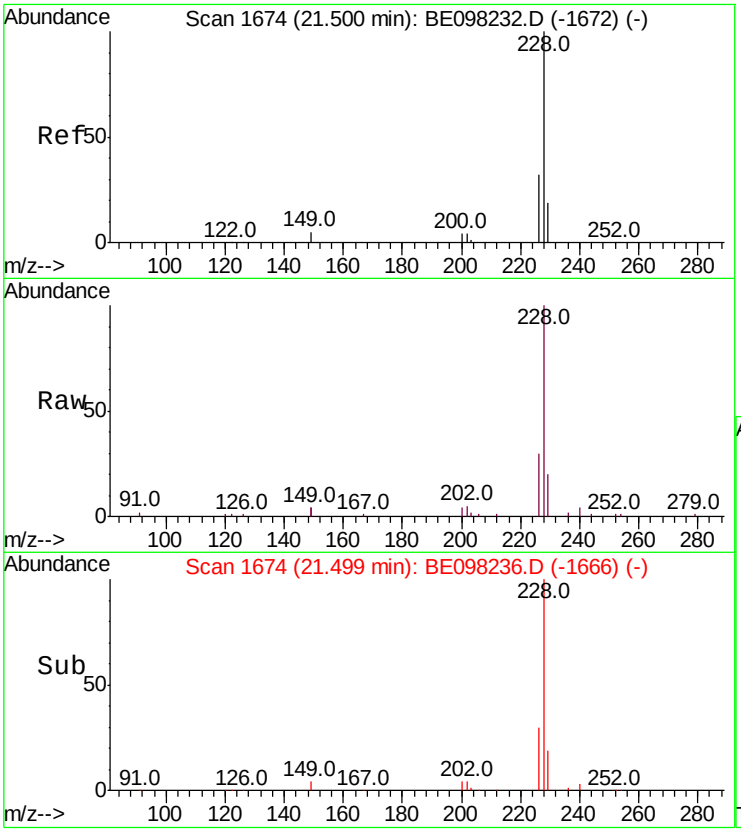


#30
Benzo(a)anthracene
Concen: 0.408 ng
RT: 21.45 min Scan# 1670
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:228 Resp: 12336

Ion	Ratio	Lower	Upper
228	100		
226	27.0	20.7	31.1
229	20.7	16.2	24.4



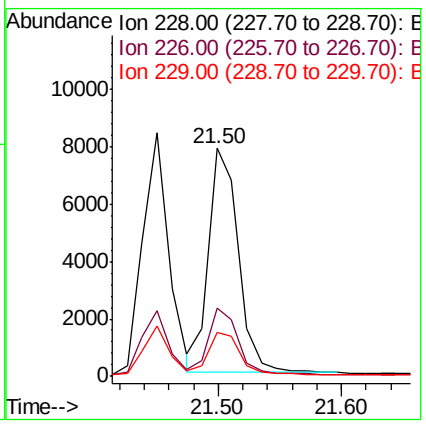


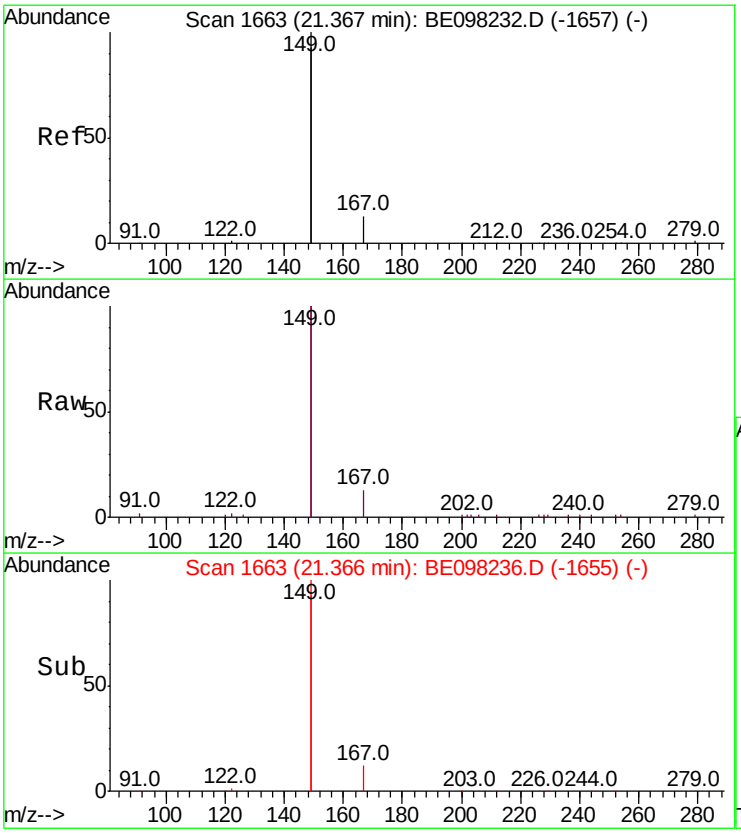
#31
Chrysene
Concen: 0.425 ng
RT: 21.50 min Scan# 1674
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:228 Resp: 13207

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.6	36.8
229	19.6	16.0	24.0

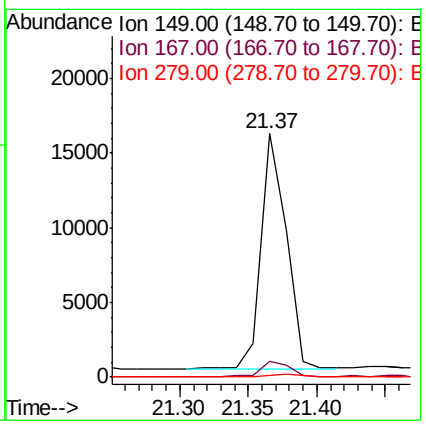


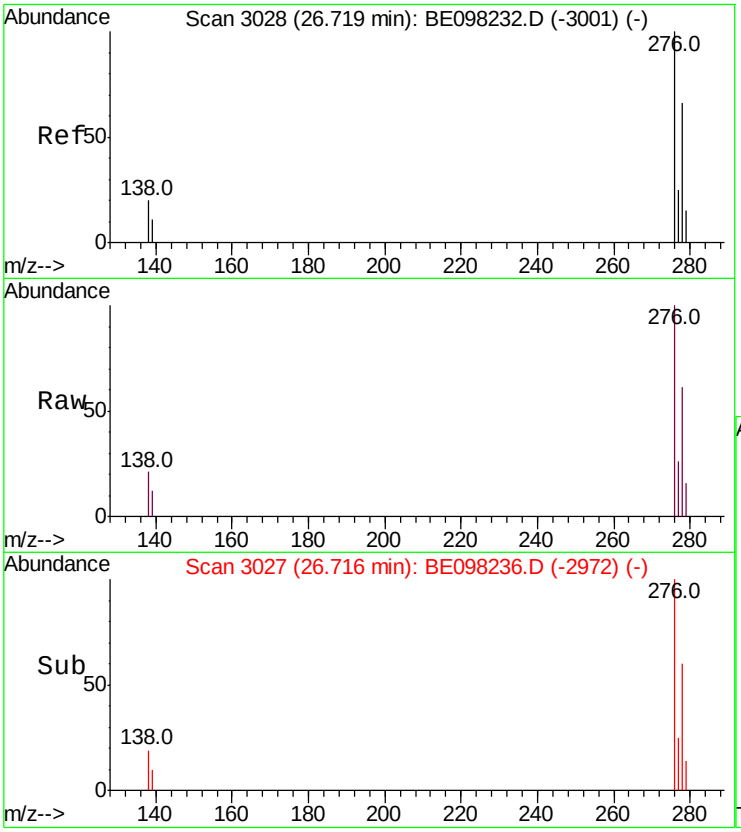


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.423 ng
RT: 21.37 min Scan# 1663
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:149 Resp: 19946

Ion	Ratio	Lower	Upper
149	100		
167	7.0	5.6	8.4
279	1.2	0.9	1.3



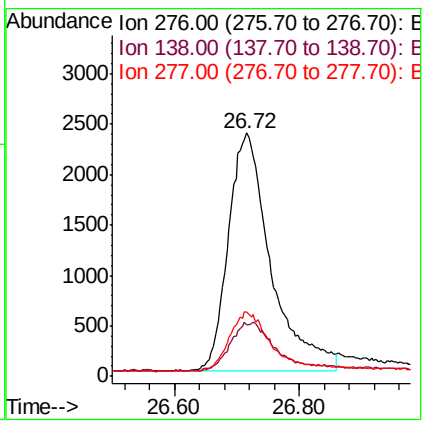


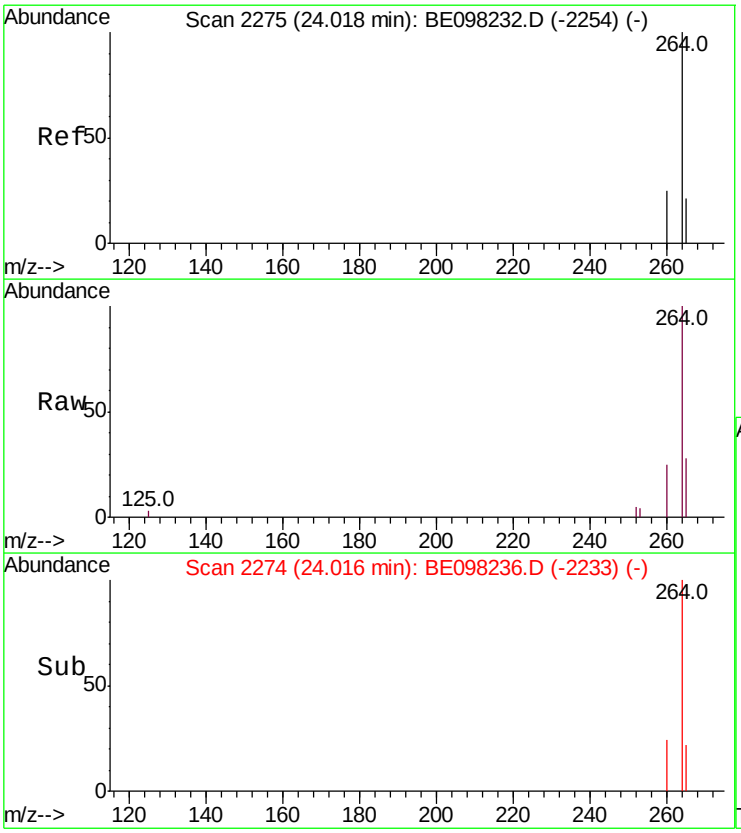
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.419 ng
RT: 26.72 min Scan# 3027
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:276 Resp: 11141

Ion	Ratio	Lower	Upper
276	100		
138	9.2	6.4	9.6
277	24.5	18.9	28.3

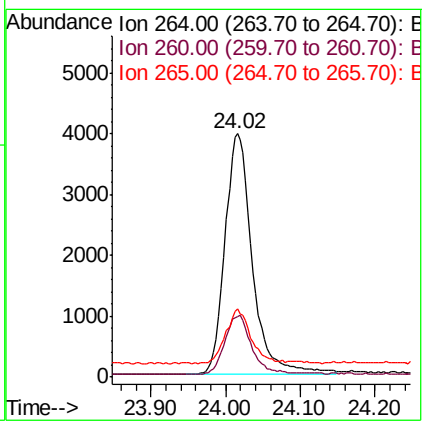


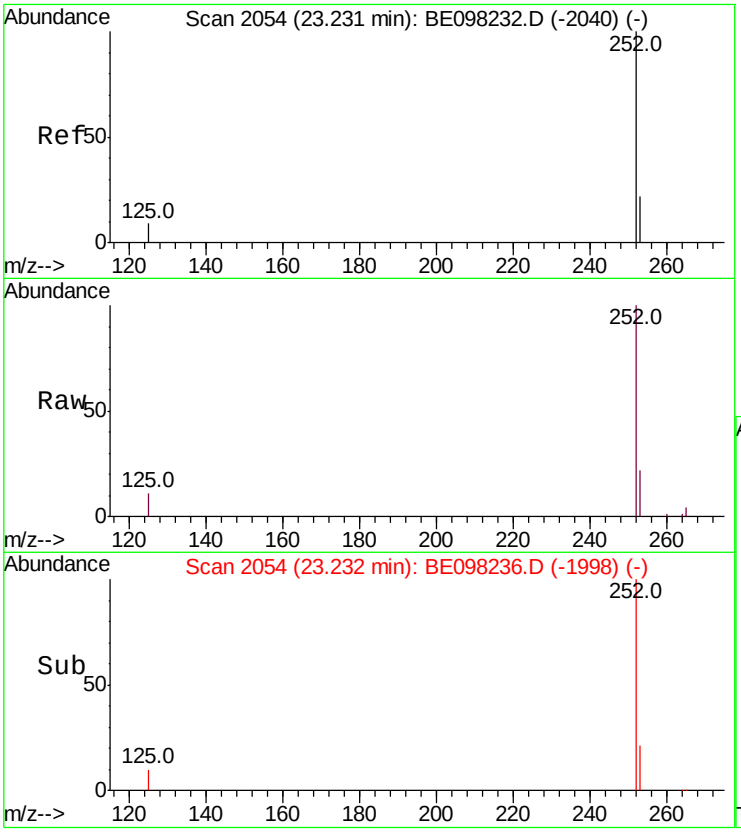


#34
Perylene-d12
Concen: 0.400 ng
RT: 24.02 min Scan# 2274
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:264 Resp: 10006

Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.9	29.9
265	27.9	21.3	31.9



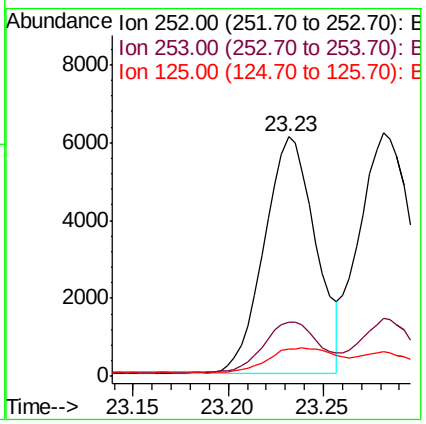


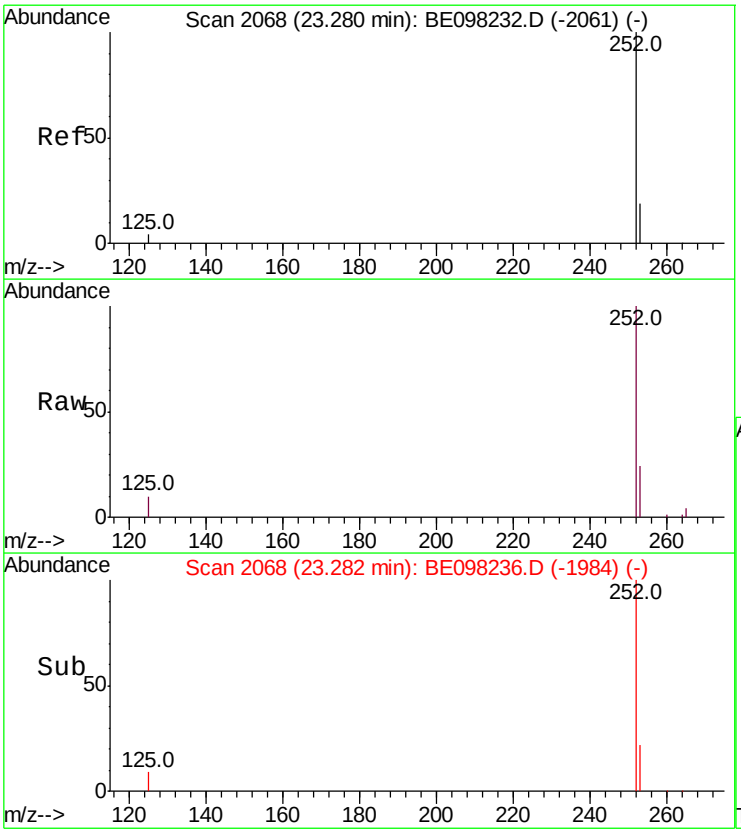
#35
Benzo(b)fluoranthene
Concen: 0.403 ng
RT: 23.23 min Scan# 2054
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:252 Resp: 11385

Ion	Ratio	Lower	Upper
252	100		
253	22.4	19.4	29.0
125	11.3	8.6	12.8

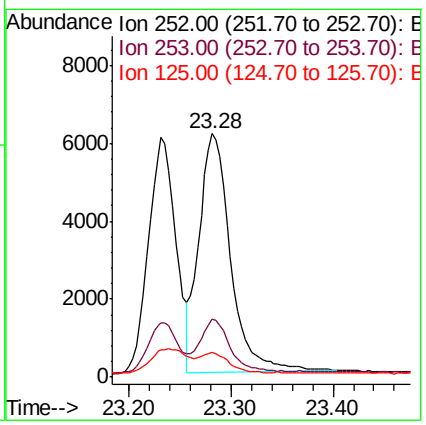


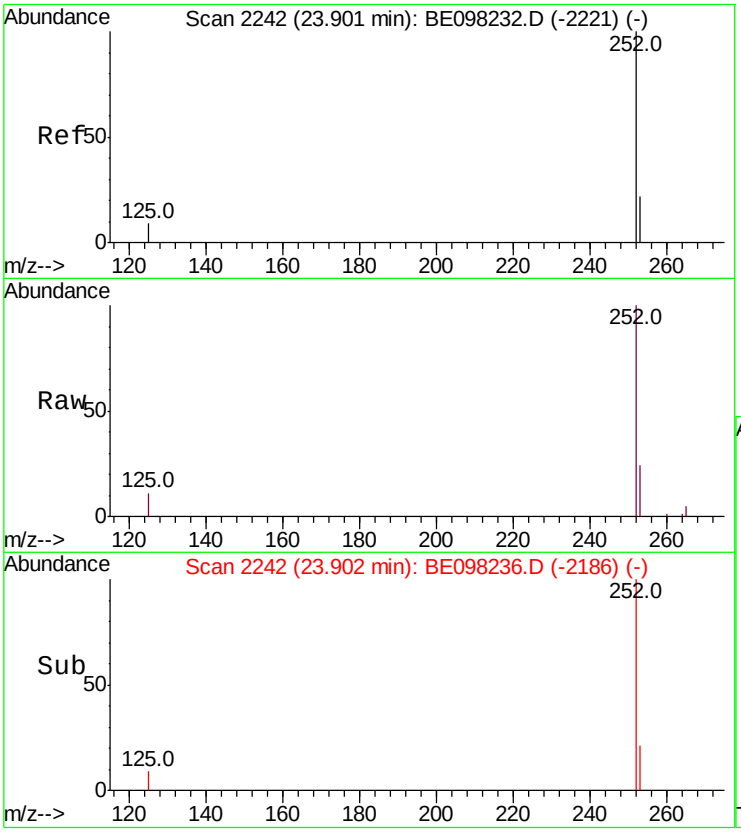


#36
Benzo(k)fluoranthene
Concen: 0.412 ng
RT: 23.28 min Scan# 2068
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:252 Resp: 13141

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	28.0
125	10.0	7.4	11.0



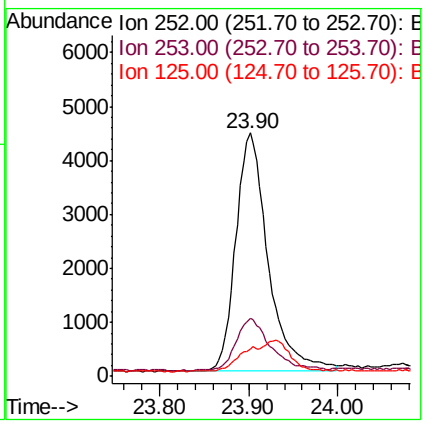


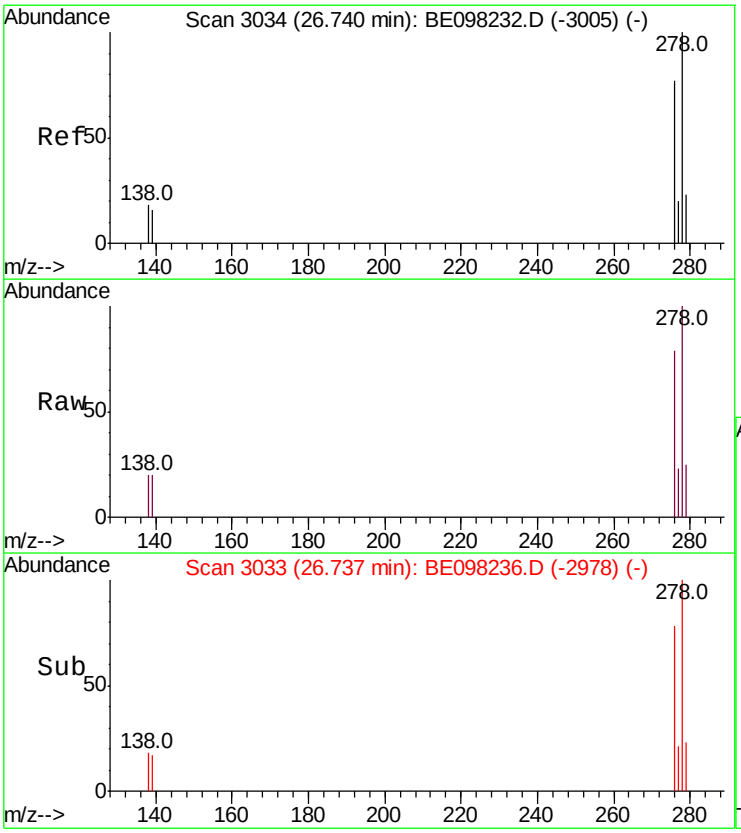
#37
Benzo(a)pyrene
Concen: 0.401 ng
RT: 23.90 min Scan# 2242
Delta R.T. 0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:252 Resp: 11132

Ion	Ratio	Lower	Upper
252	100		
253	23.8	18.6	27.8
125	11.3	8.0	12.0

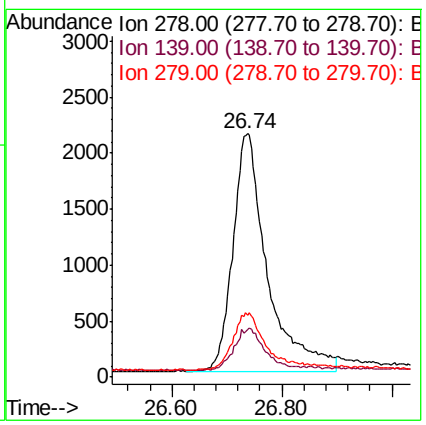


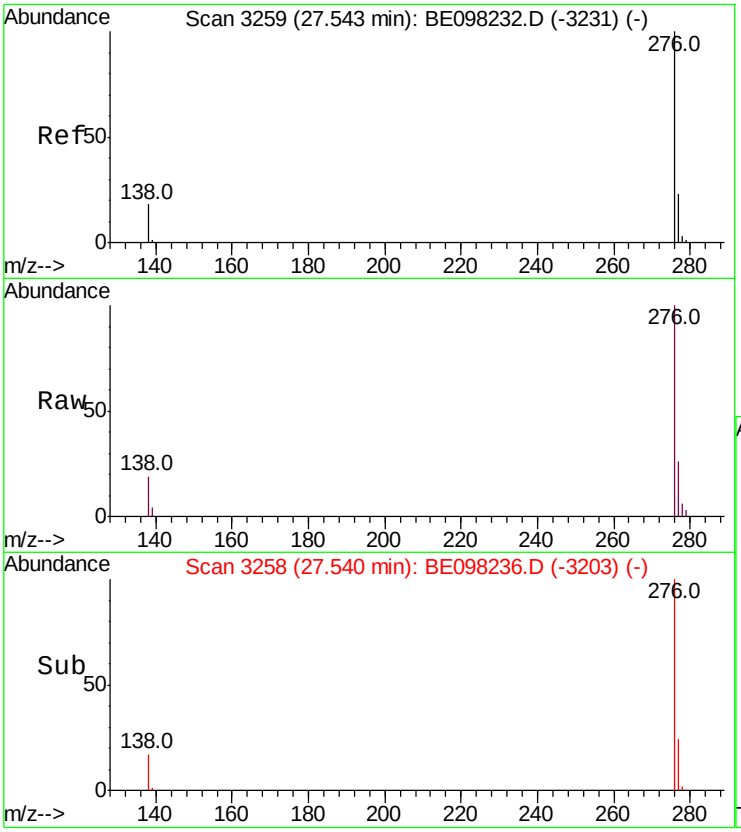


#38
Dibenzo(a,h)anthracene
Concen: 0.415 ng
RT: 26.74 min Scan# 3033
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Tgt Ion:278 Resp: 9236

Ion	Ratio	Lower	Upper
278	100		
139	19.6	16.4	24.6
279	25.3	21.3	31.9





#39
Benzo(g,h,i)perylene
Concen: 0.398 ng
RT: 27.54 min Scan# 3258
Delta R.T. -0.00 min
Lab File: BE098236.D
Acq: 16 Nov 2018 19:06

Instrument :
BNA_E
ClientSampleId :
ICVBE111618

Tgt Ion:276 Resp: 9538

Ion	Ratio	Lower	Upper
276	100		
277	25.7	20.4	30.6
138	19.0	13.2	19.8