Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011819\
Data File : BE098668.D
Acq On : 18 Jan 2019 17:03
Operator : SJ/JU
Sample : PB116504BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB116504BSD

Quant Time: Jan 18 21:21:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1001	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	4661	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	3049	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	7564	0.40	ng		0.00
27) Chrysene-d12	21.41	240	8869	0.40	ng		0.00
34) Perylene-d12	23.93	264	8278	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	985	0.37	ng		0.00
5) Phenol-d6	7.00	99	1412	0.37	ng		0.00
8) Nitrobenzene-d5	8.98	82	1354	0.37	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	2549	0.33	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	493	0.37	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	4114	0.33	ng		0.01
25) Fluoranthene-d10	19.26	212	30973	0.33	ng		0.00
29) Terphenyl-d14	19.86	244	6383	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	679	0.362	ng		89
3) n-Nitrosodimethylamine	3.66	42	484	0.355	ng	#	97
6) bis(2-Chloroethyl)ether	7.24	93	923	0.321	ng		98
9) Naphthalene	10.65	128	15305	0.330	ng		100
10) Hexachlorobutadiene	10.94	225	1182	0.356	ng		96
12) 2-Methylnaphthalene	12.28	142	2621	0.341	ng		98
16) Acenaphthylene	14.20	152	4373	0.331	ng		98
17) Acenaphthene	14.54	154	2852	0.344	ng		97
18) Fluorene	15.51	166	3598	0.334	ng		97
20) 4-Bromophenyl-phenylether	16.41	248	1283	0.320	ng		90
21) Hexachlorobenzene	16.53	284	1615	0.334	ng		97
22) Pentachlorophenol	16.89	266	453	0.430	ng		95
23) Phenanthrene	17.27	178	5897	0.329	ng		99
24) Anthracene	17.36	178	4811	0.313	ng		99
26) Fluoranthene	19.29	202	7534	0.327	ng		99
28) Pyrene	19.65	202	7909	0.324	ng		100
30) Benzo(a)anthracene	21.39	228	7838	0.329	ng		98
31) Chrysene	21.45	228	7942	0.321	ng		98
32) Bis(2-ethylhexyl)phthalate	21.32	149	15247	0.301	ng		99
33) Indeno(1,2,3-cd)pyrene	26.57	276	8421	0.330	ng		98
35) Benzo(b)fluoranthene	23.15	252	7562	0.335	ng	#	95
36) Benzo(k)fluoranthene	23.20	252	8541	0.346	ng		99
37) Benzo(a)pyrene	23.81	252	7565	0.341	ng		98
38) Dibenzo(a,h)anthracene	26.59	278	7074	0.360	ng	#	95
39) Benzo(g,h,i)perylene	27.38	276	7282	0.338	ng		98

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

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Data File : BE098668.D
Acq On : 18 Jan 2019 17:03
Operator : SJ/JU
Sample : PB116504BSD
Misc :
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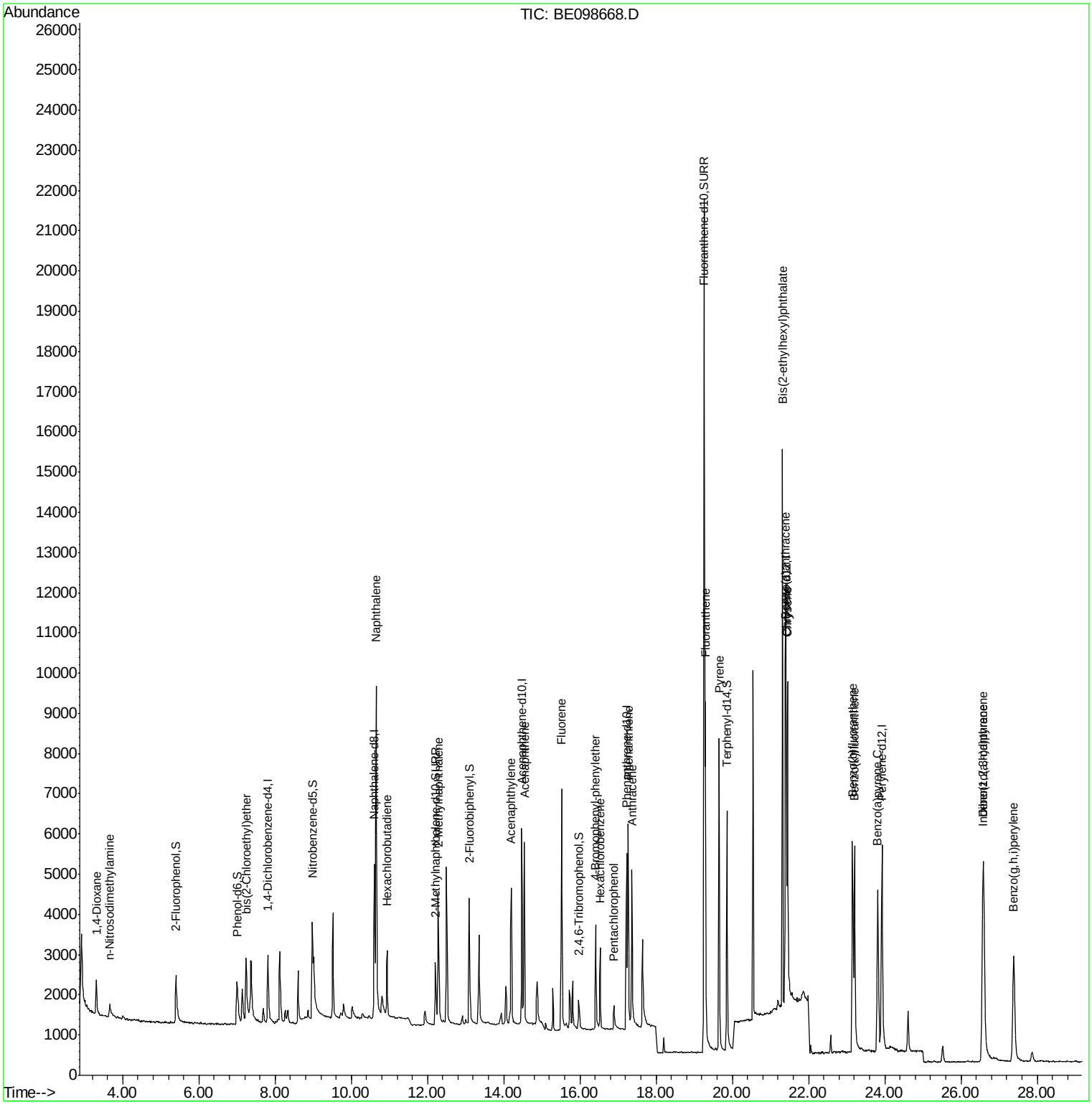
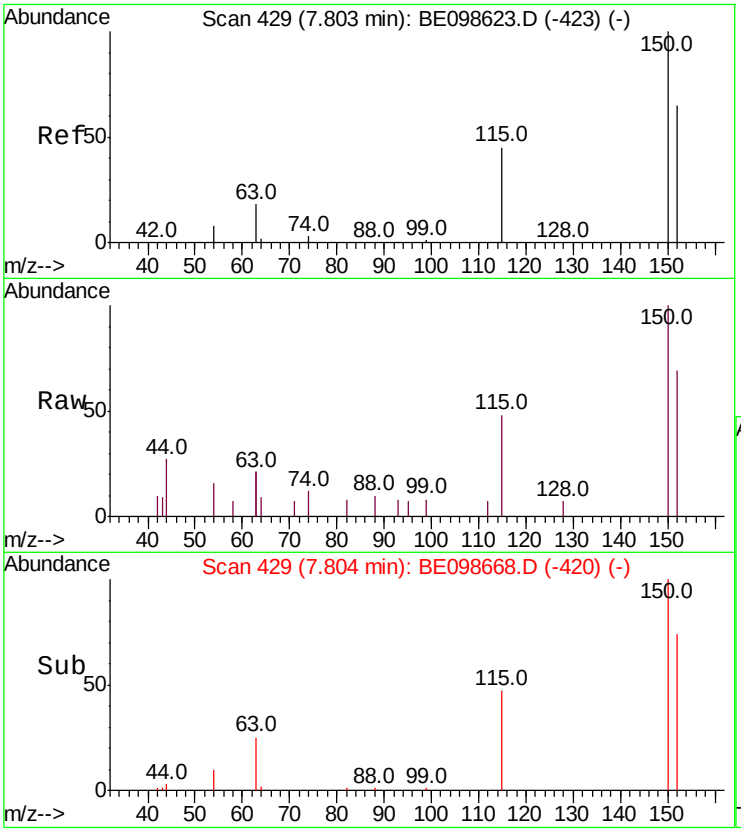
Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Quant Time: Jan 18 21:21:35 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE011519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration

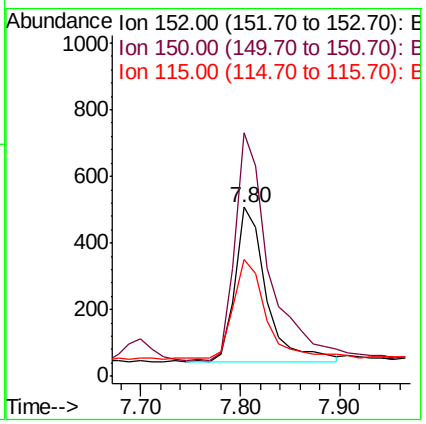




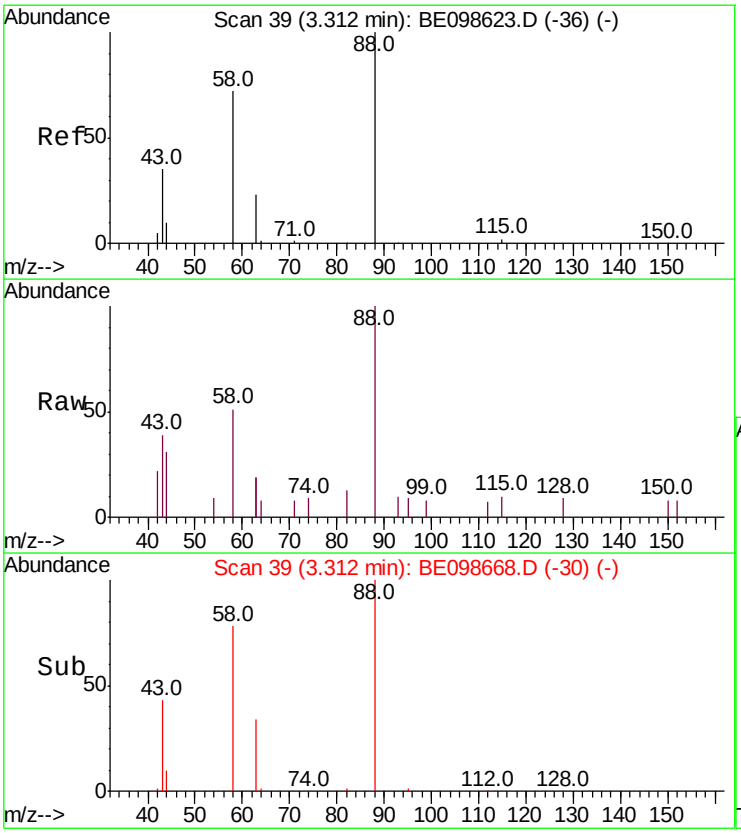
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:152 Resp: 1001

Ion	Ratio	Lower	Upper
152	100		
150	143.9	121.4	182.2
115	68.7	59.1	88.7



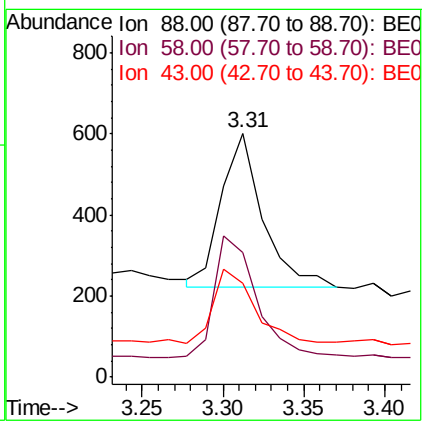
Instrument :
BNA_E
ClientSampleId :
PB116504BSD

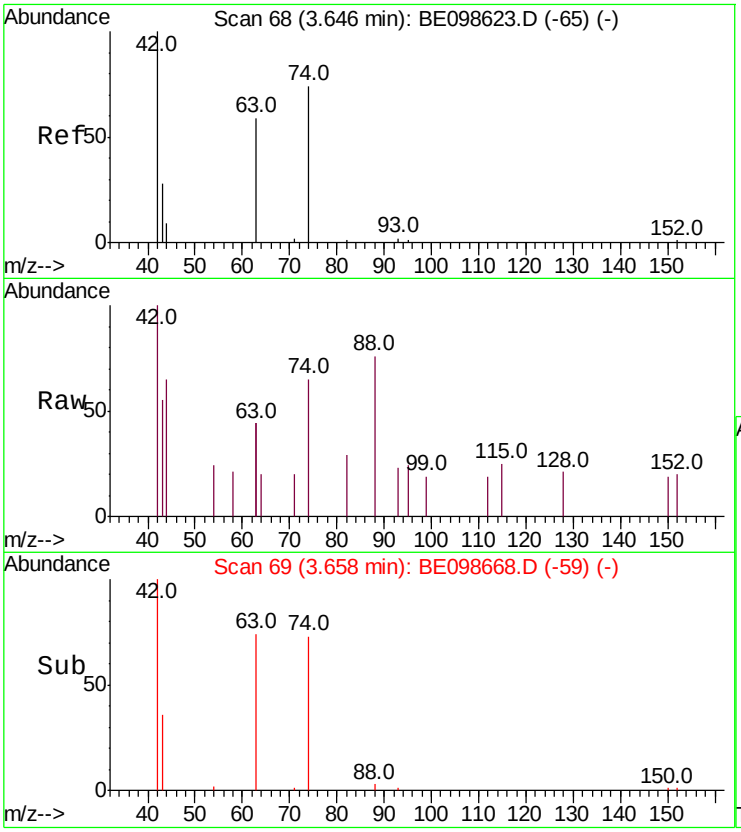


#2
1,4-Dioxane
Concen: 0.362 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion: 88 Resp: 679

Ion	Ratio	Lower	Upper
88	100		
58	81.7	73.9	110.9
43	47.0	43.7	65.5



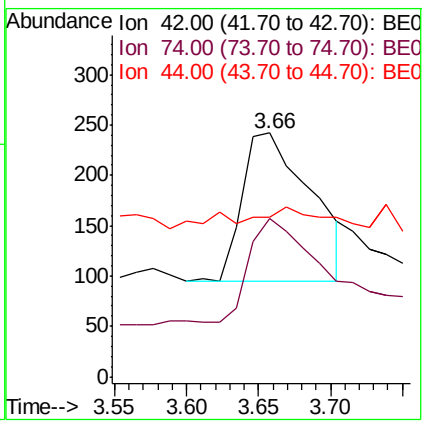


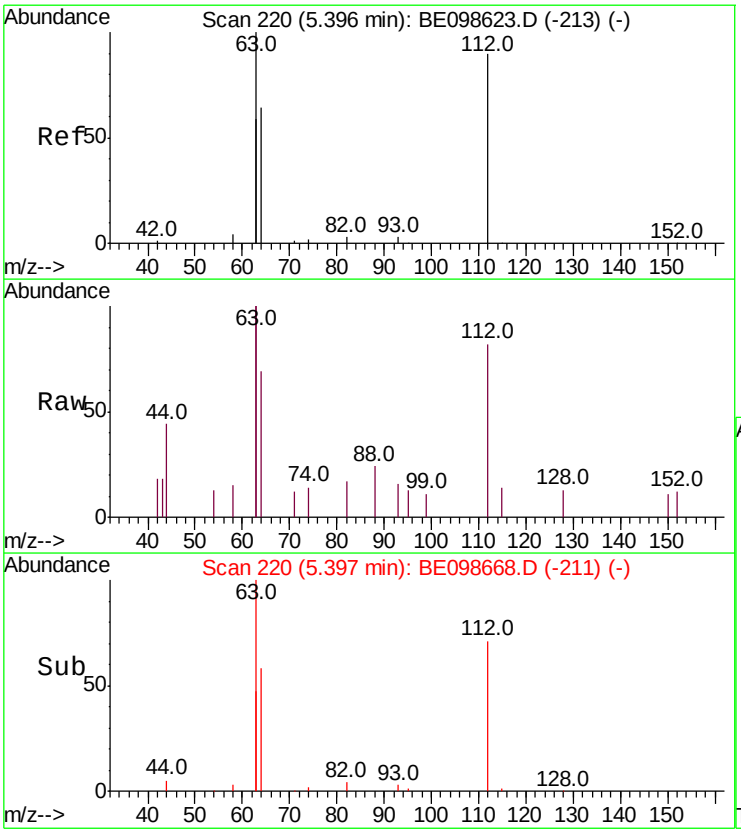
#3
n-Nitrosodimethylamine
Concen: 0.355 ng
RT: 3.66 min Scan# 69
Delta R.T. 0.01 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion: 42 Resp: 484

Ion	Ratio	Lower	Upper
42	100		
74	71.1	58.9	88.3
44	6.6	0.0	0.0#

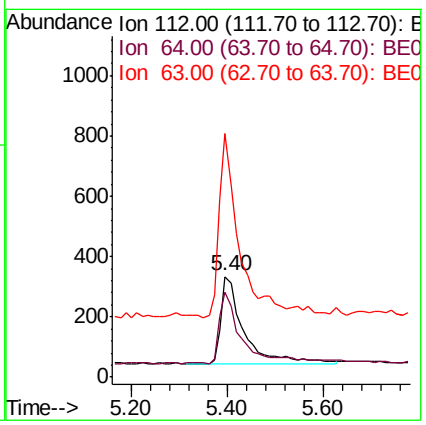


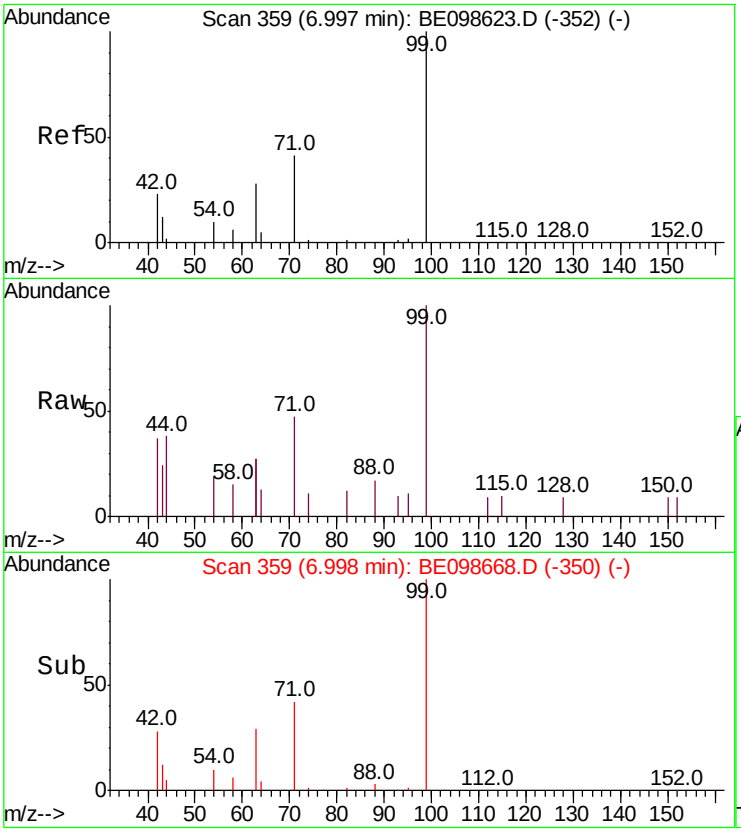


#4
2-Fluorophenol
Concen: 0.369 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:112 Resp: 985

Ion	Ratio	Lower	Upper
112	100		
64	74.6	62.9	94.3
63	176.8	152.2	228.4



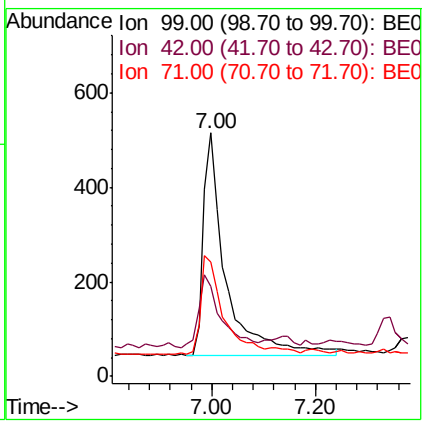


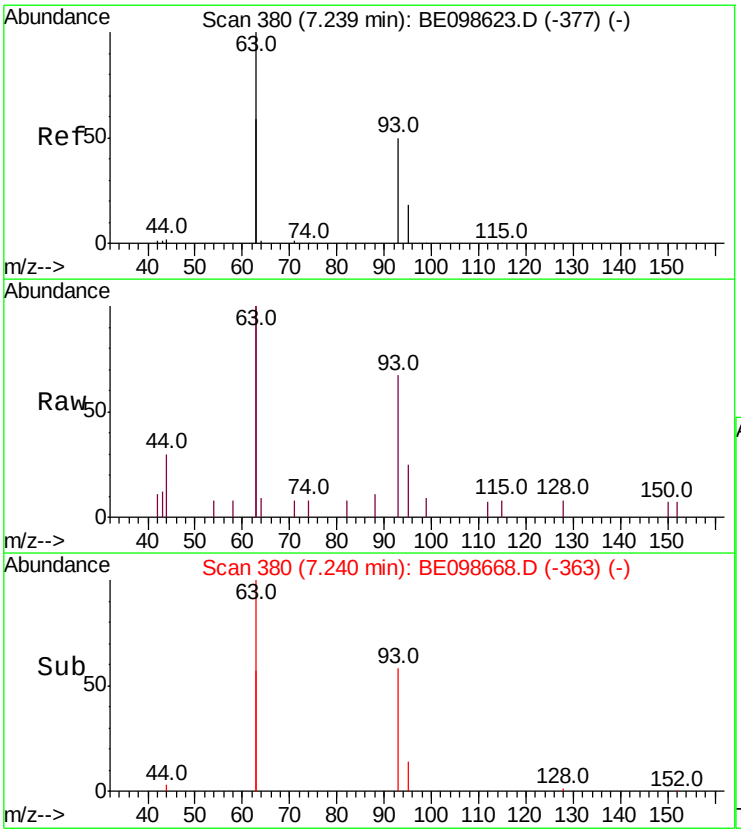
#5
Phenol-d6
Concen: 0.371 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion: 99 Resp: 1412

Ion	Ratio	Lower	Upper
99	100		
42	32.4	24.6	37.0
71	44.6	35.1	52.7

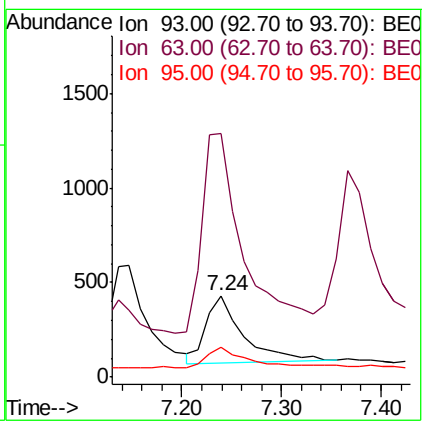


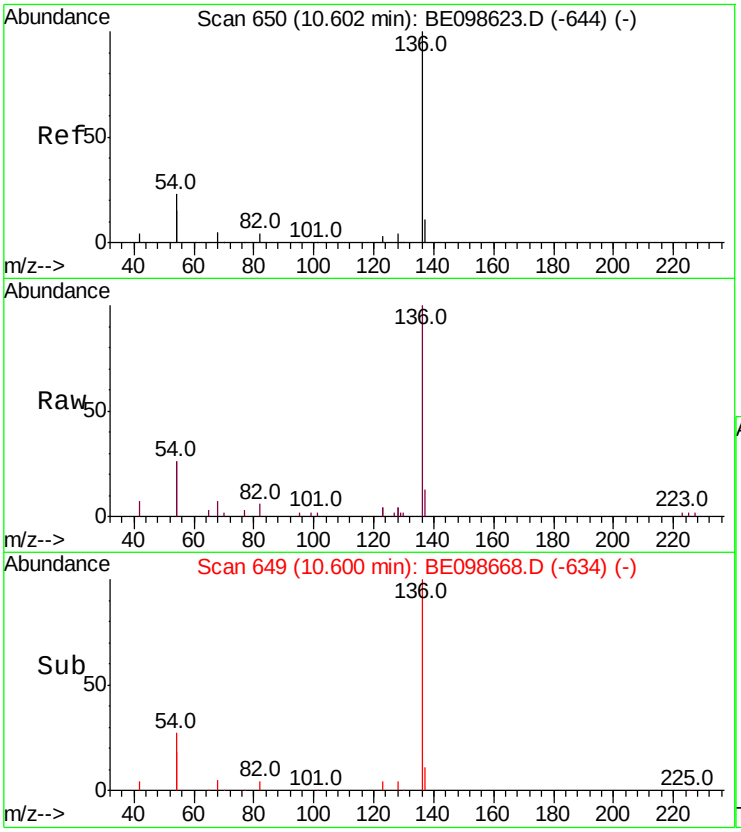


#6
bis(2-Chloroethyl)ether
Concen: 0.321 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion: 93 Resp: 923

Ion	Ratio	Lower	Upper
93	100		
63	337.9	267.3	400.9
95	35.0	26.2	39.4



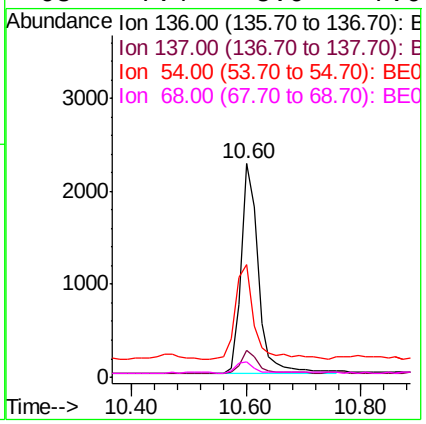


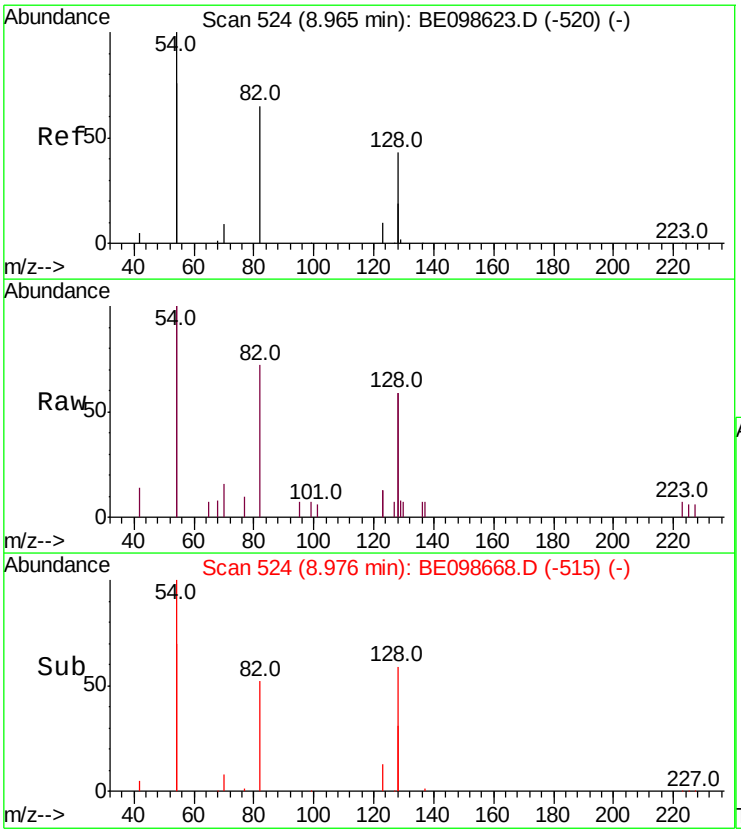
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:136 Resp: 4661

Ion	Ratio	Lower	Upper
136	100		
137	12.7	9.7	14.5
54	52.5	35.5	53.3
68	7.4	5.0	7.6

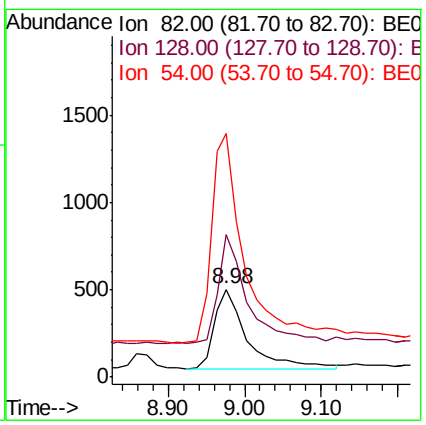


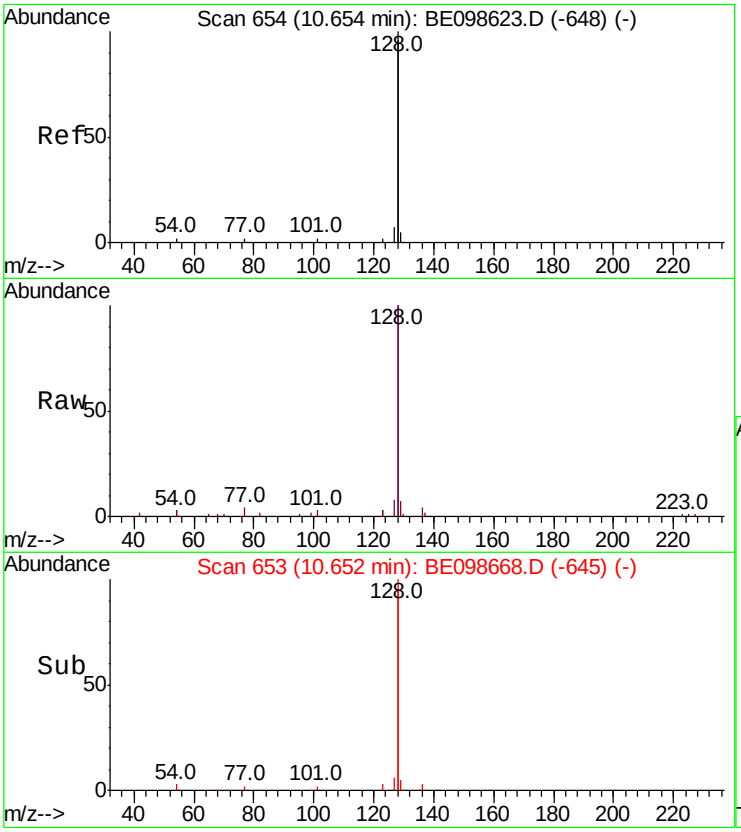


#8
Nitrobenzene-d5
Concen: 0.366 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion: 82 Resp: 1354

Ion	Ratio	Lower	Upper
82	100		
128	162.9	96.5	144.7#
54	278.2	224.7	337.1



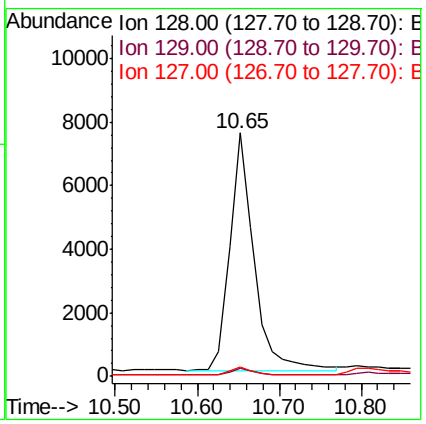


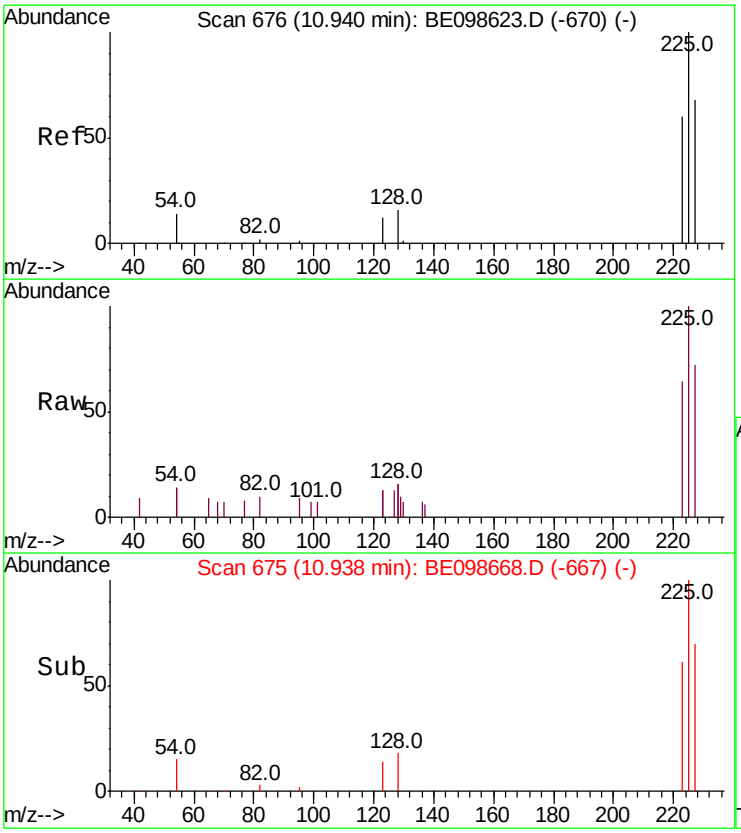
#9
Naphthalene
Concen: 0.330 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:128 Resp: 15305

Ion	Ratio	Lower	Upper
128	100		
129	3.3	2.6	3.8
127	3.8	3.0	4.6

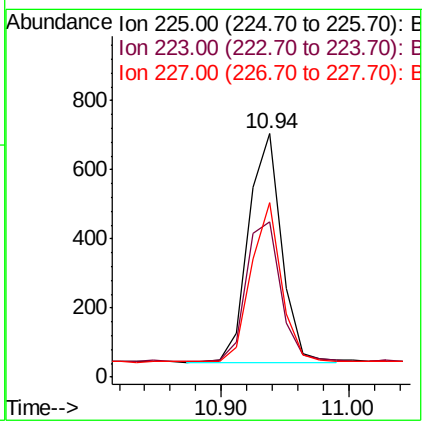


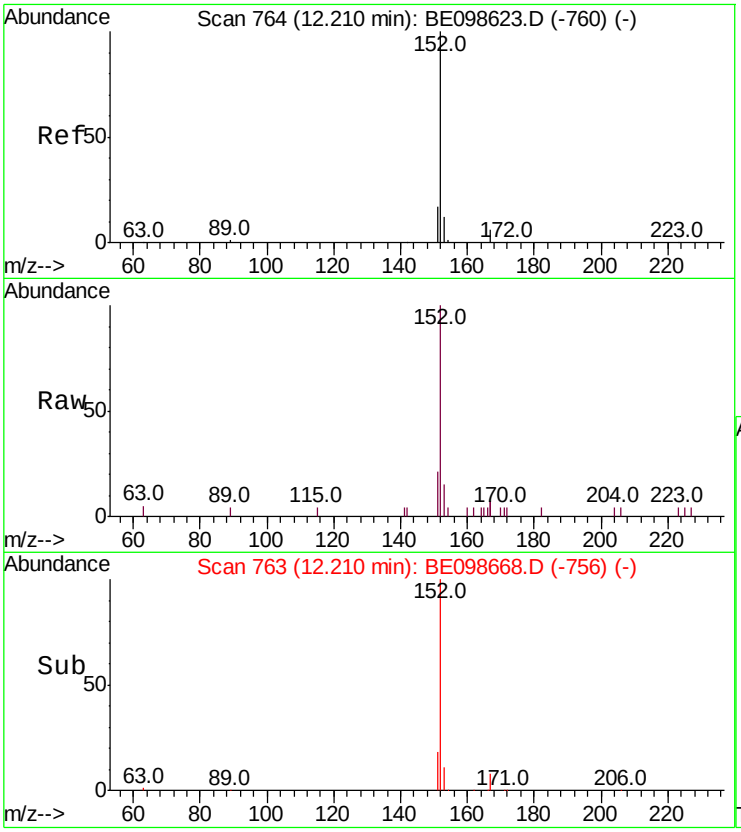


#10
Hexachlorobutadiene
Concen: 0.356 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:225 Resp: 1182

Ion	Ratio	Lower	Upper
225	100		
223	64.6	47.8	71.8
227	64.1	50.5	75.7



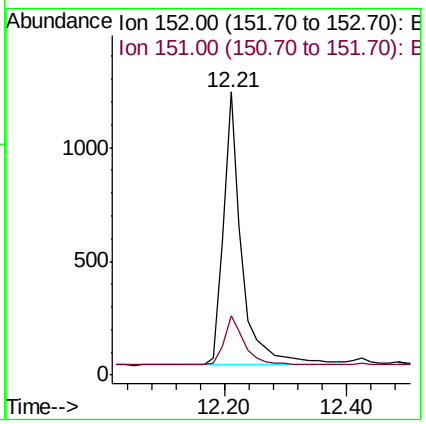


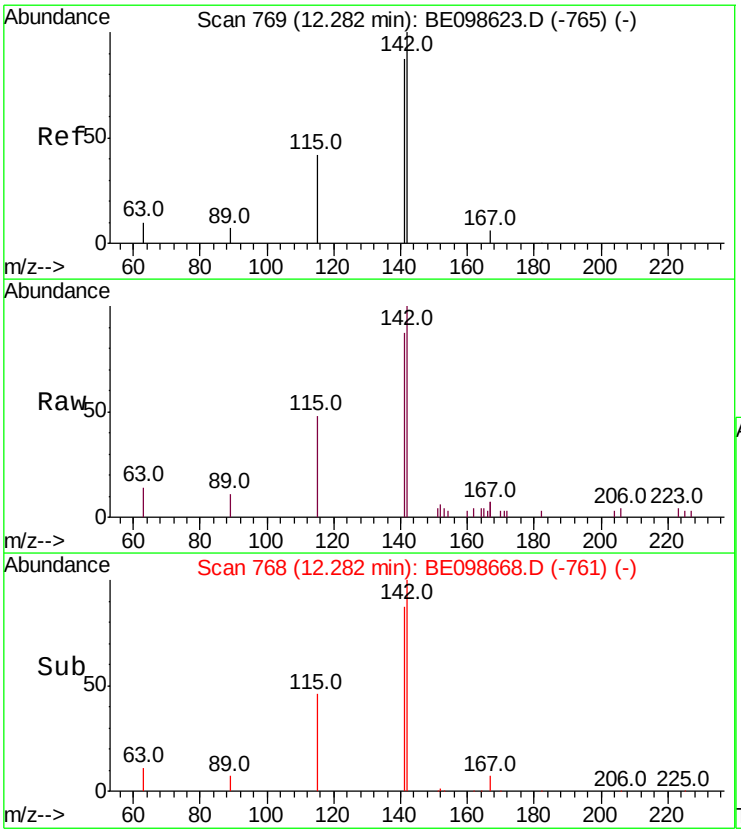
#11
2-Methylnaphthalene-d10
Concen: 0.332 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:152 Resp: 2549

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.2	24.4

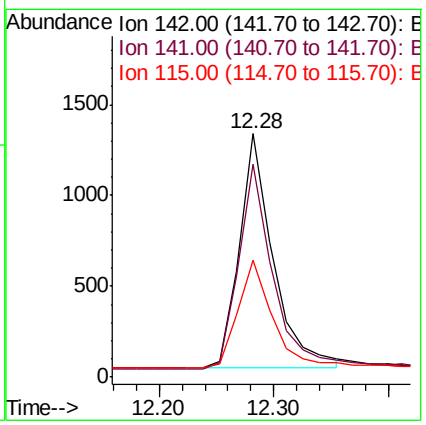


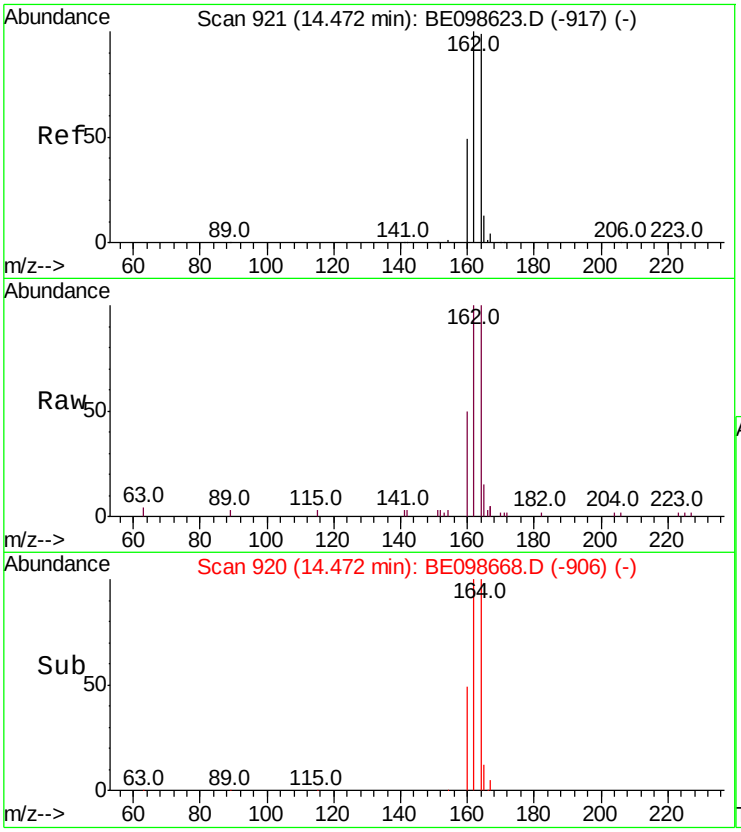


#12
2-Methylnaphthalene
Concen: 0.341 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:142 Resp: 2621

Ion	Ratio	Lower	Upper
142	100		
141	87.2	70.0	105.0
115	47.9	35.2	52.8



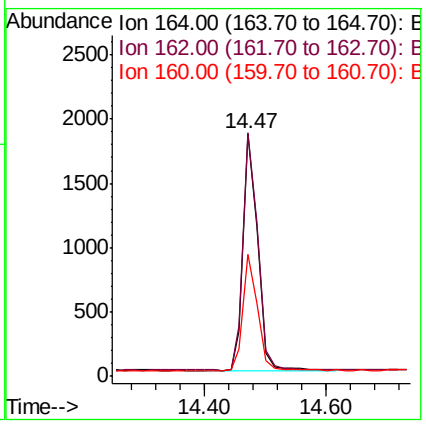


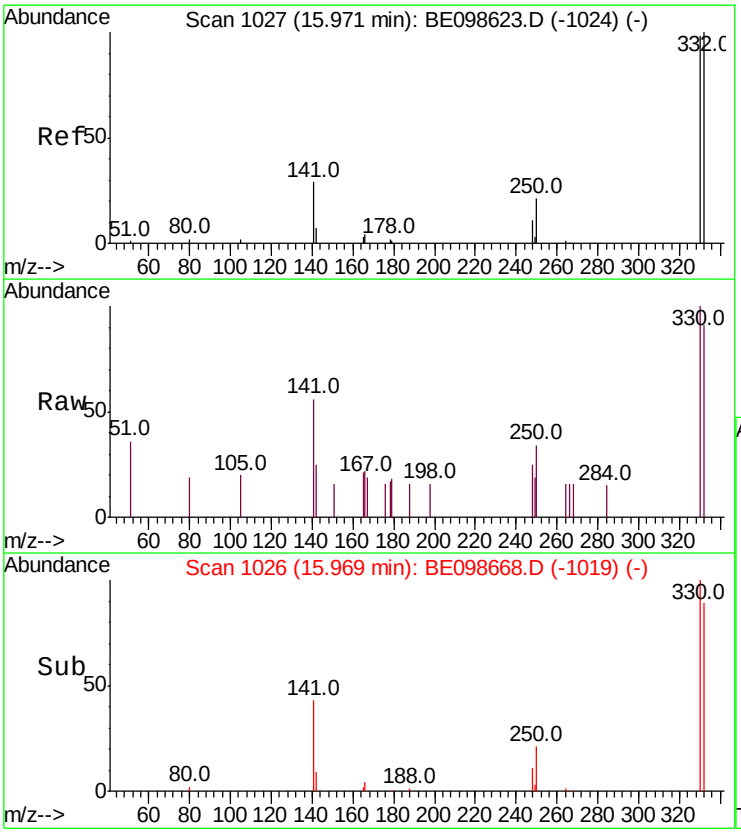
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:164 Resp: 3049

Ion	Ratio	Lower	Upper
164	100		
162	100.5	80.5	120.7
160	50.3	40.1	60.1

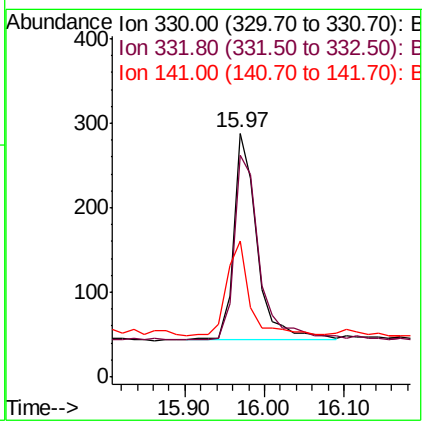


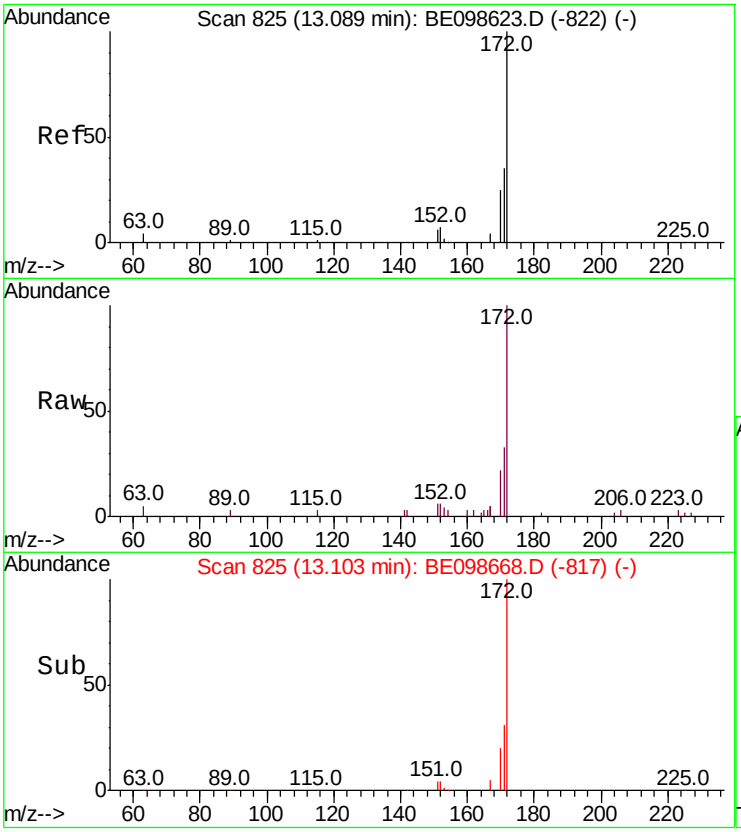


#14
2,4,6-Tribromophenol
Concen: 0.372 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:330 Resp: 493

Ion	Ratio	Lower	Upper
330	100		
332	99.0	73.3	109.9
141	45.2	33.1	49.7



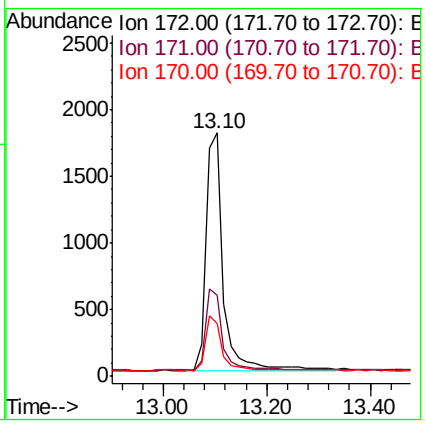


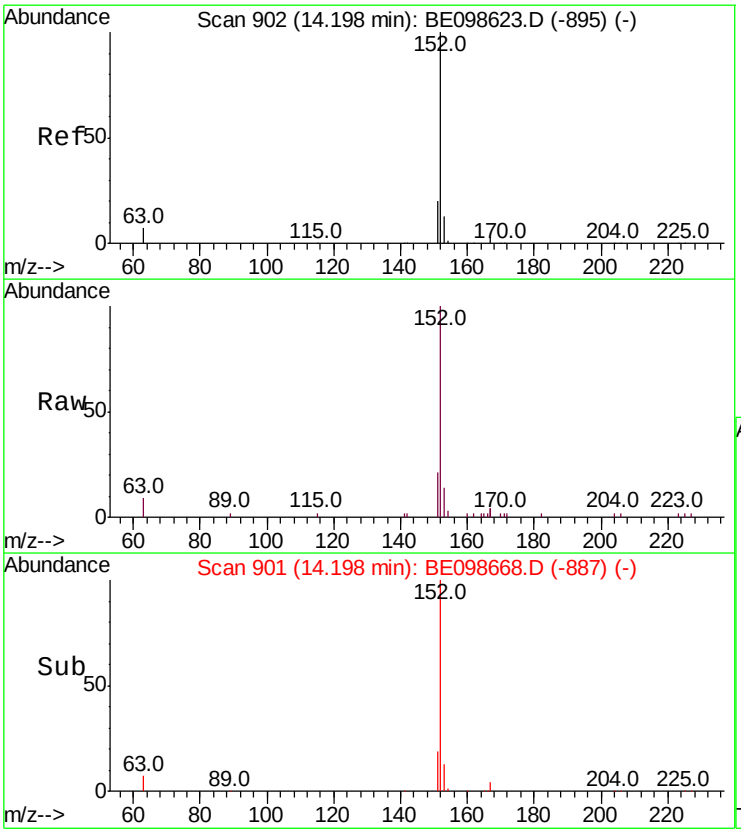
#15
2-Fluorobiphenyl
Concen: 0.329 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:172 Resp: 4114

Ion	Ratio	Lower	Upper
172	100		
171	33.0	29.0	43.4
170	22.0	20.8	31.2

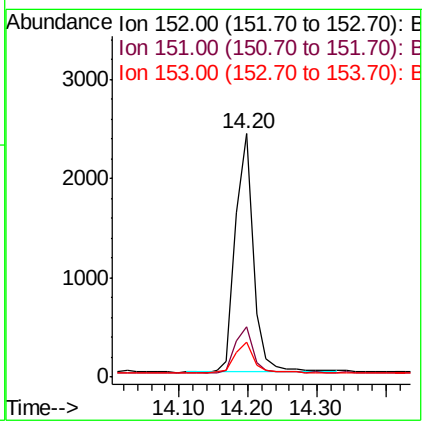


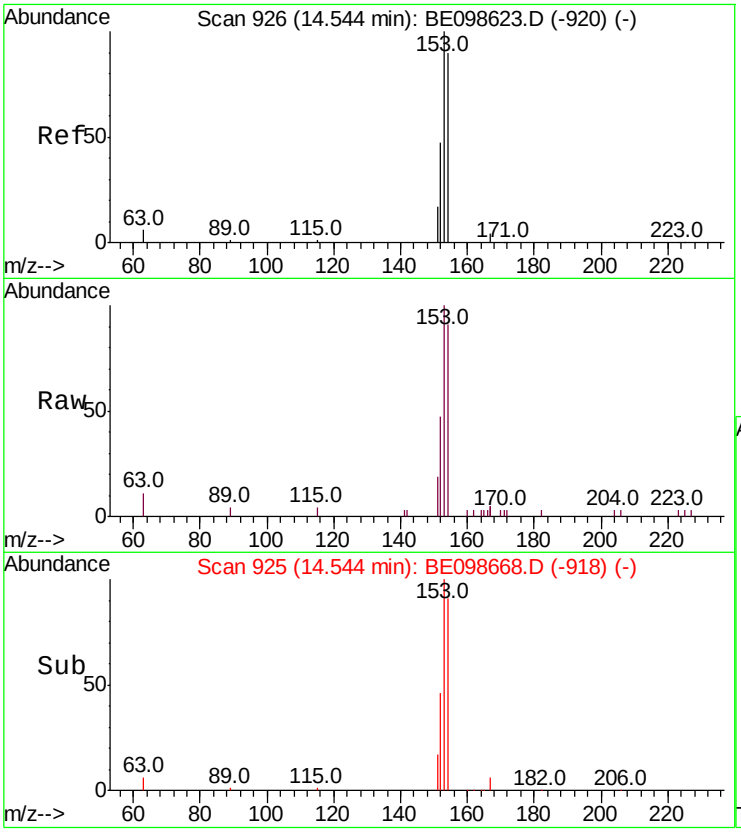


#16
Acenaphthylene
Concen: 0.331 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:152 Resp: 4373

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	13.2	10.7	16.1



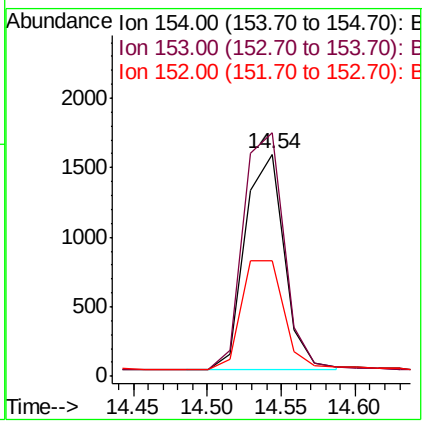


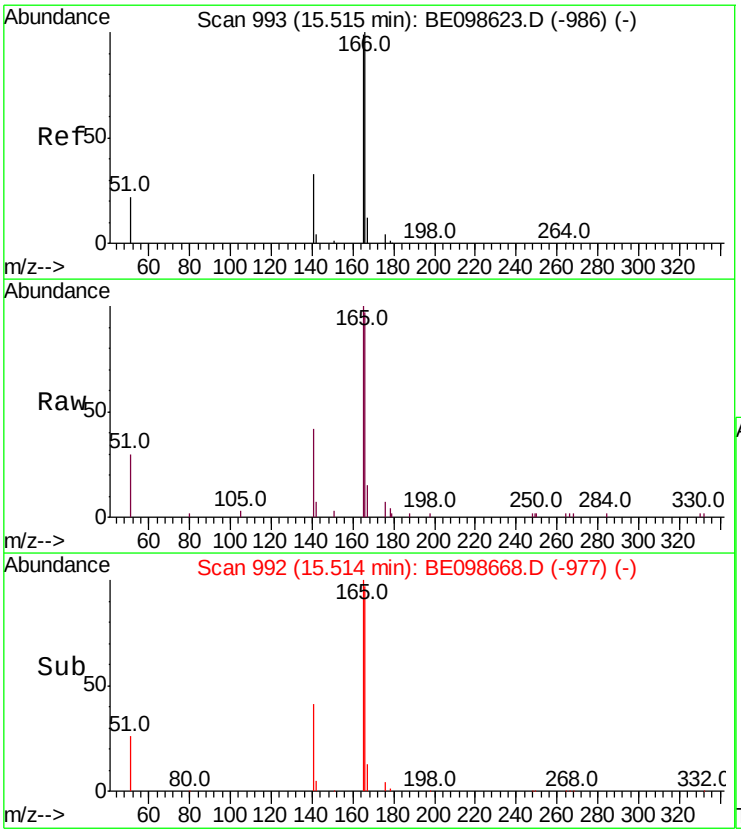
#17
Acenaphthene
Concen: 0.344 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:154 Resp: 2852

Ion	Ratio	Lower	Upper
154	100		
153	114.6	93.9	140.9
152	54.3	45.8	68.8

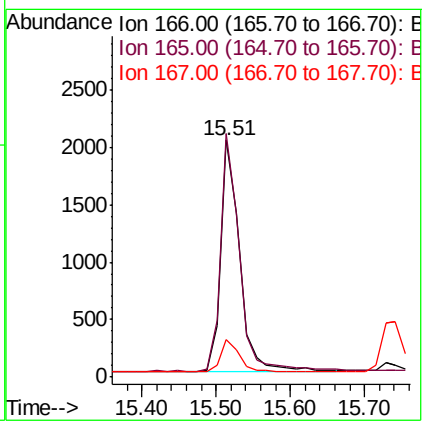


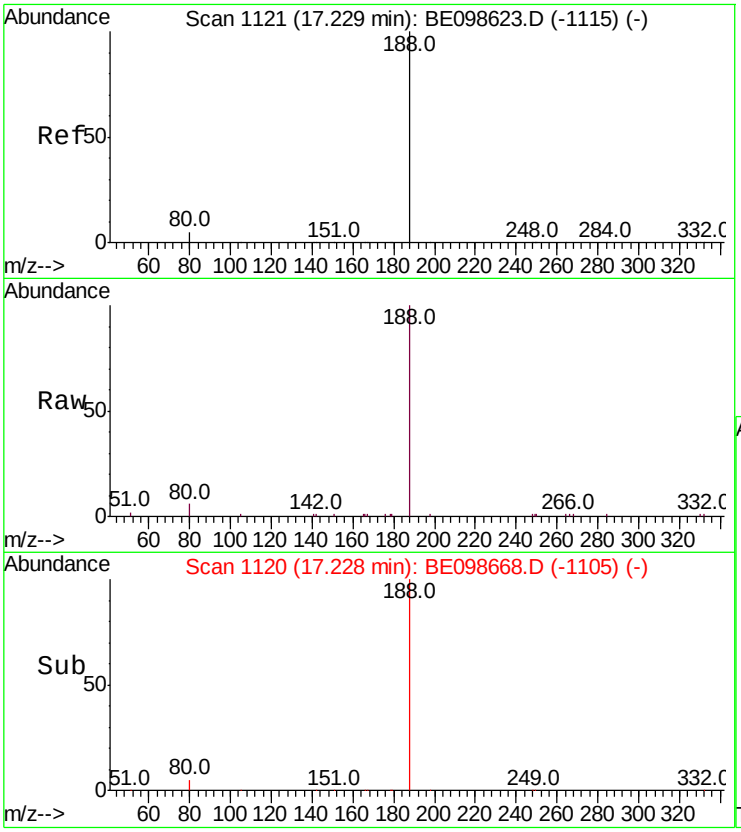


#18
Fluorene
Concen: 0.334 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:166 Resp: 3598

Ion	Ratio	Lower	Upper
166	100		
165	102.4	79.3	118.9
167	14.3	10.6	15.8



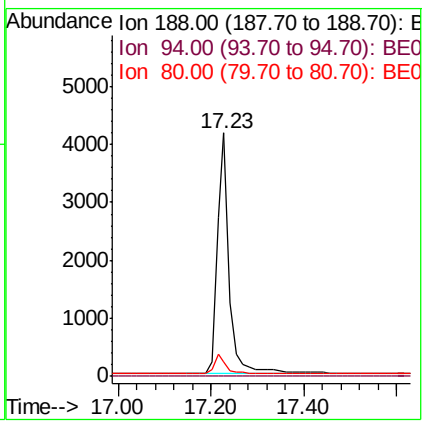


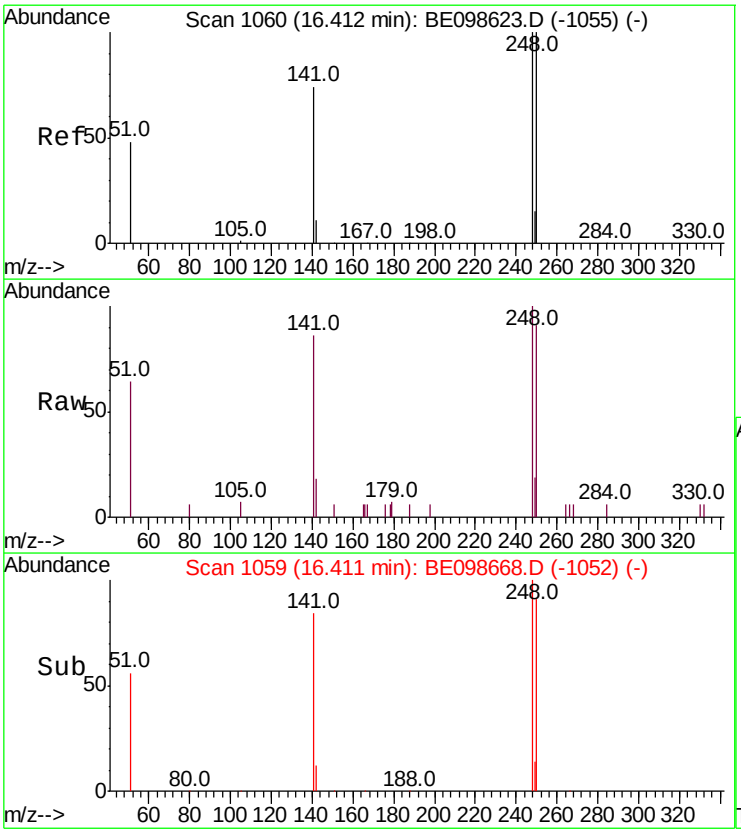
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:188 Resp: 7564

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.9	4.7	7.1

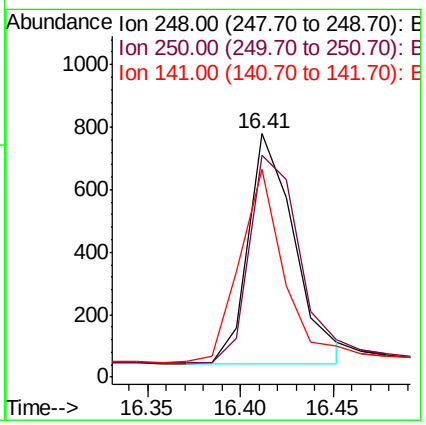


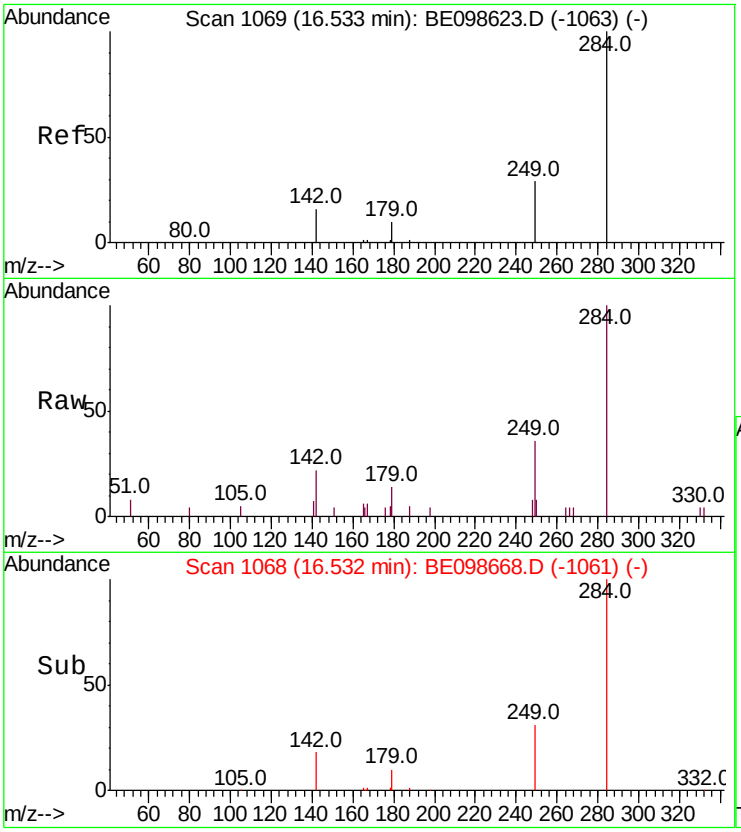


#20
4-Bromophenyl-phenylether
Concen: 0.320 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:248 Resp: 1283

Ion	Ratio	Lower	Upper
248	100		
250	91.0	80.2	120.4
141	85.6	60.5	90.7



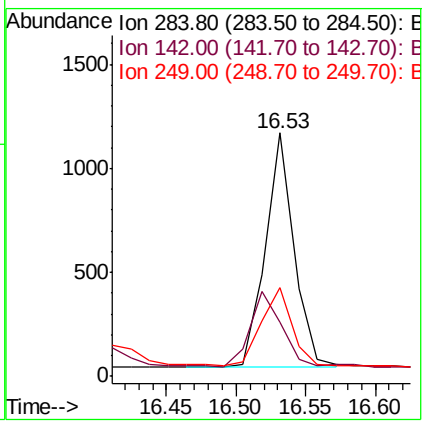


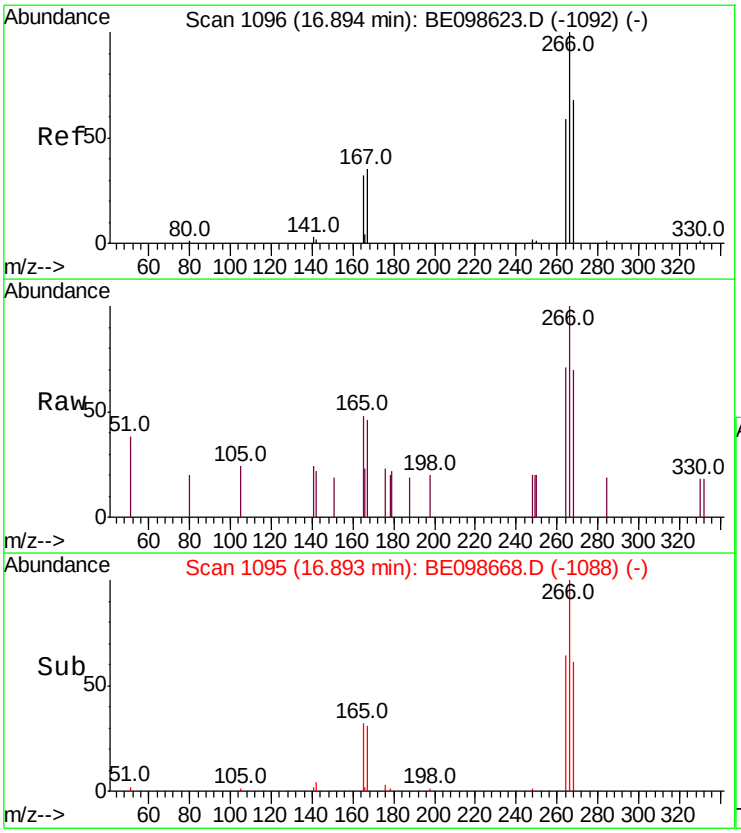
#21
Hexachlorobenzene
Concen: 0.334 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:284 Resp: 1615

Ion	Ratio	Lower	Upper
284	100		
142	34.3	25.5	38.3
249	34.2	26.6	39.8

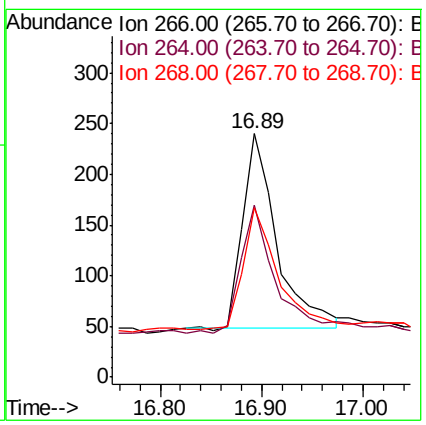


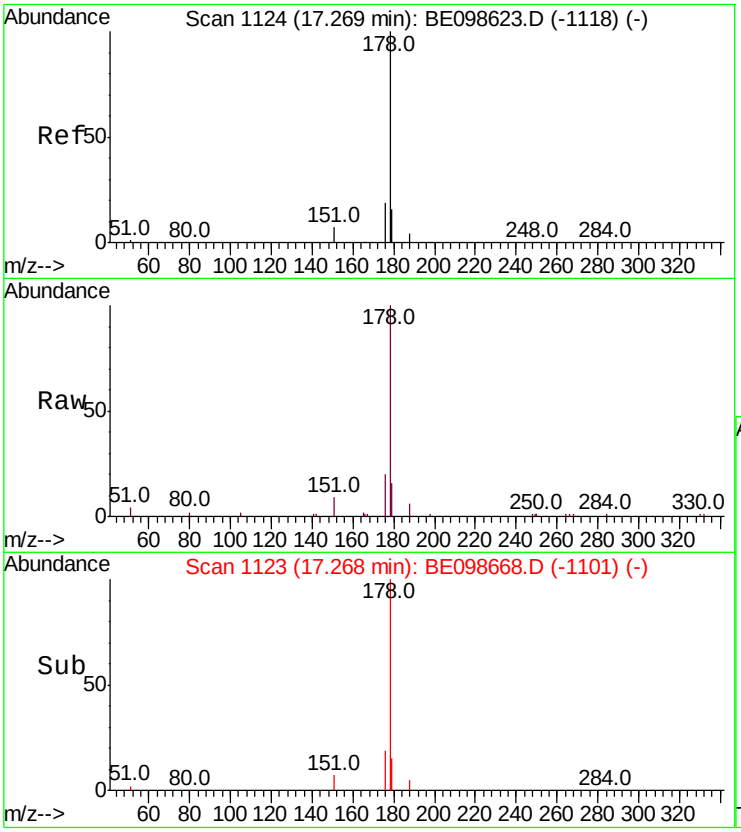


#22
Pentachlorophenol
Concen: 0.430 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:266 Resp: 453

Ion	Ratio	Lower	Upper
266	100		
264	70.8	53.7	80.5
268	69.6	59.8	89.8



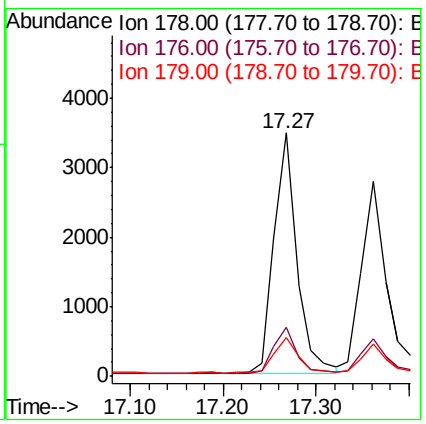


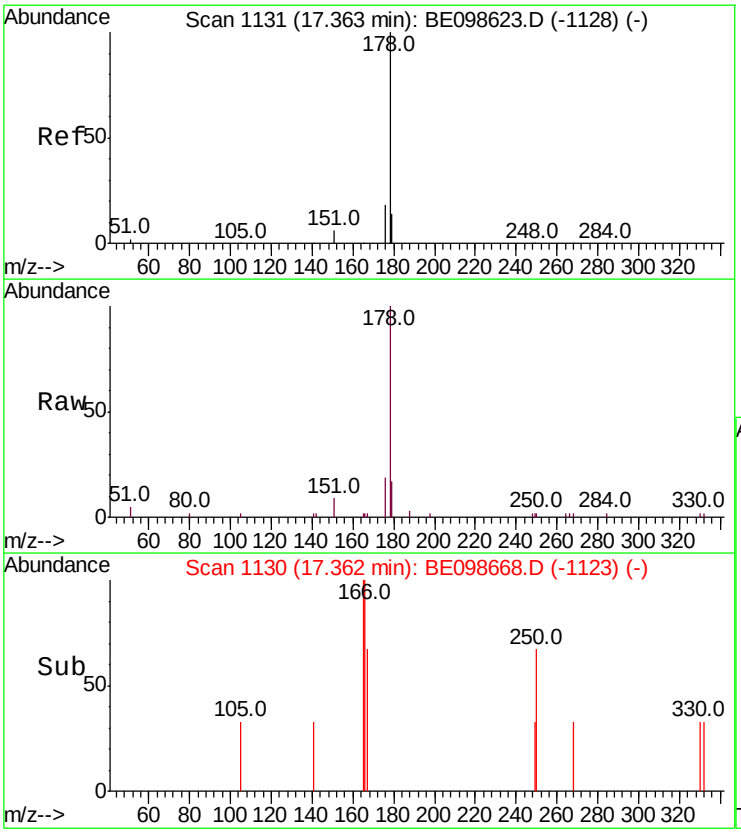
#23
Phenanthrene
Concen: 0.329 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:178 Resp: 5897

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.9	23.9
179	15.4	12.2	18.4

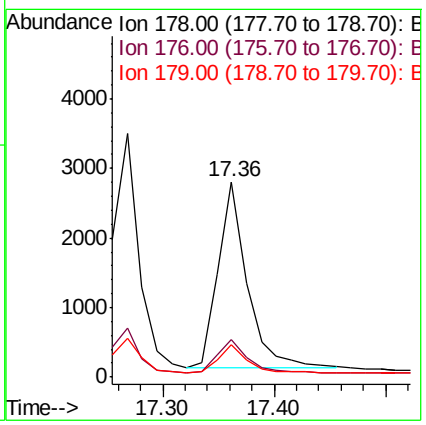


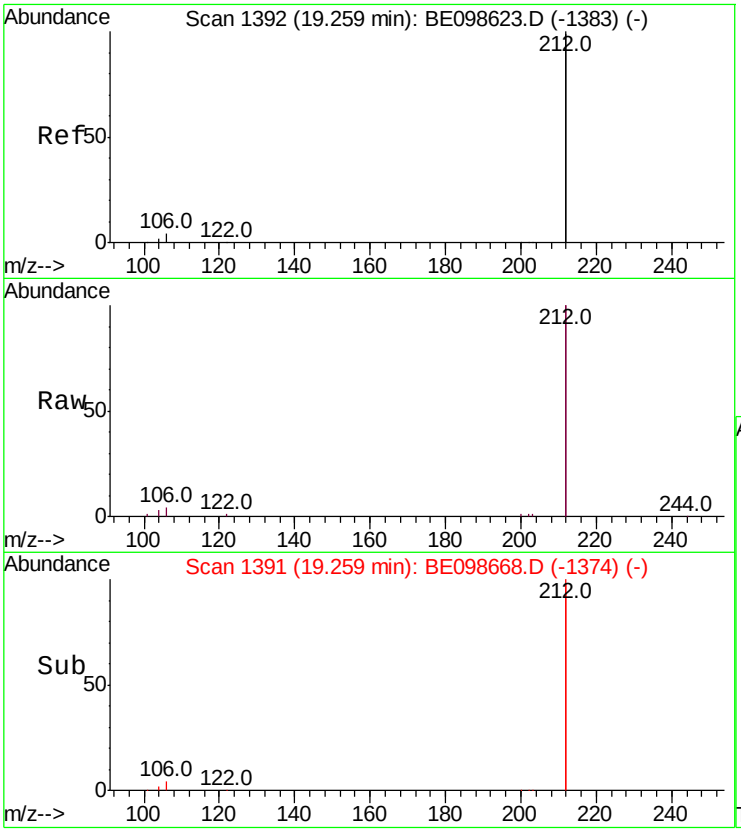


#24
Anthracene
Concen: 0.313 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:178 Resp: 4811

Ion	Ratio	Lower	Upper
178	100		
176	18.0	14.9	22.3
179	14.6	11.8	17.8



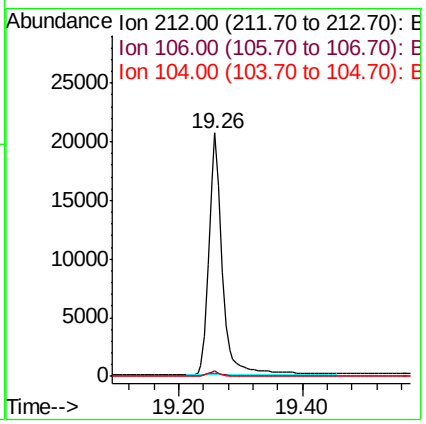


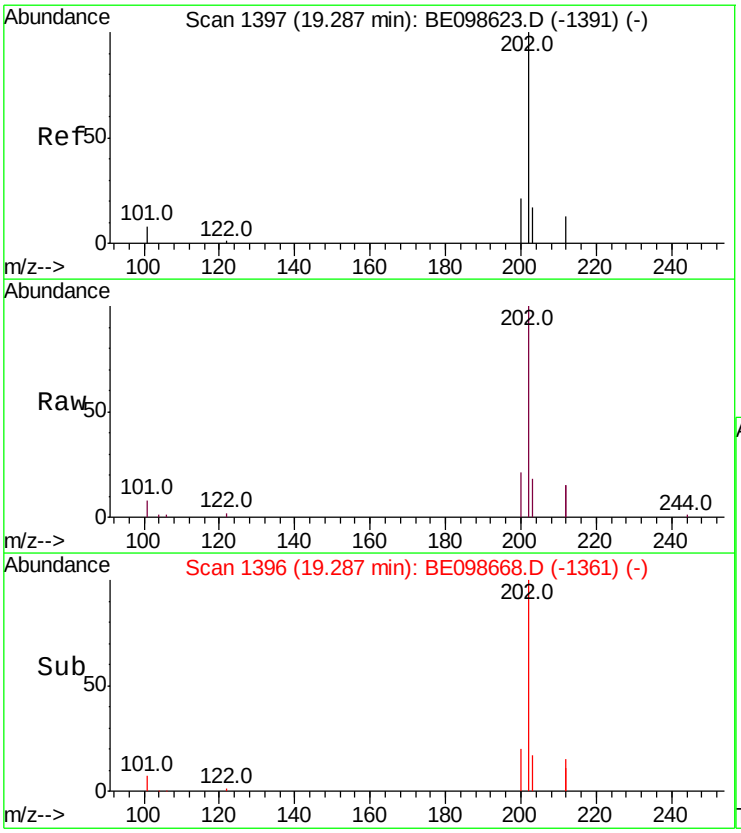
#25
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:212 Resp: 30973

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.7	2.5
104	1.1	1.0	1.6

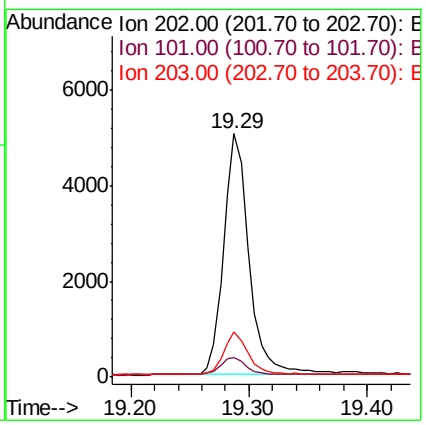


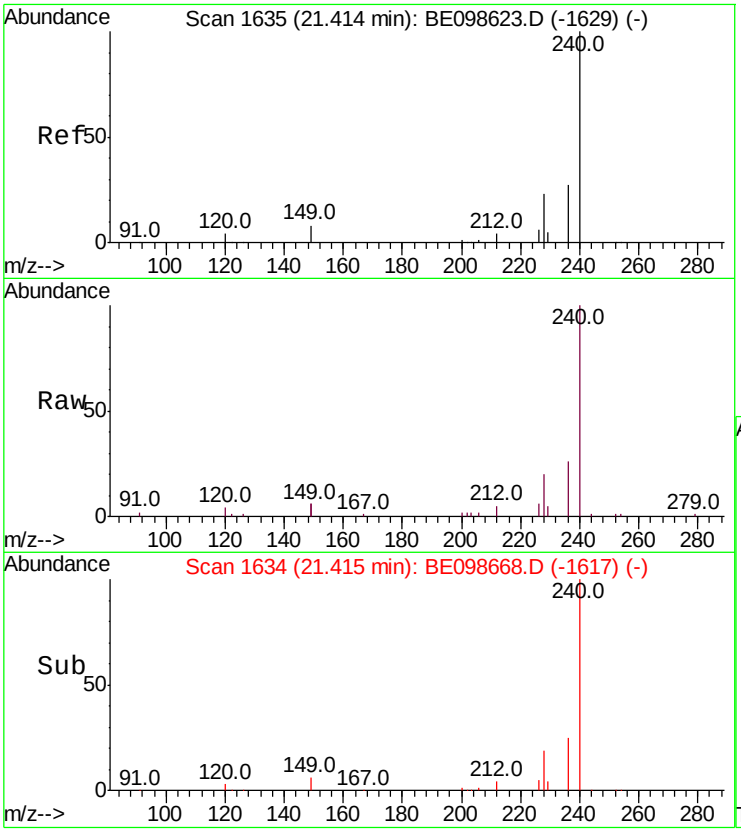


#26
Fluoranthene
Concen: 0.327 ng
RT: 19.29 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:202 Resp: 7534

Ion	Ratio	Lower	Upper
202	100		
101	7.8	6.7	10.1
203	17.2	13.3	19.9



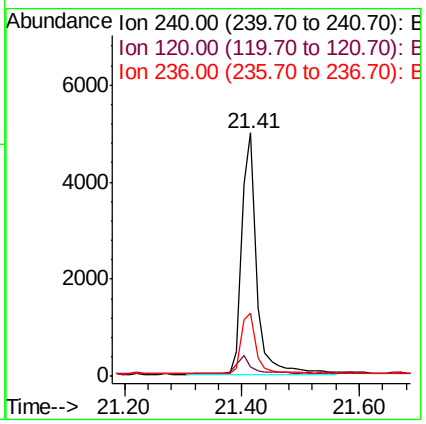


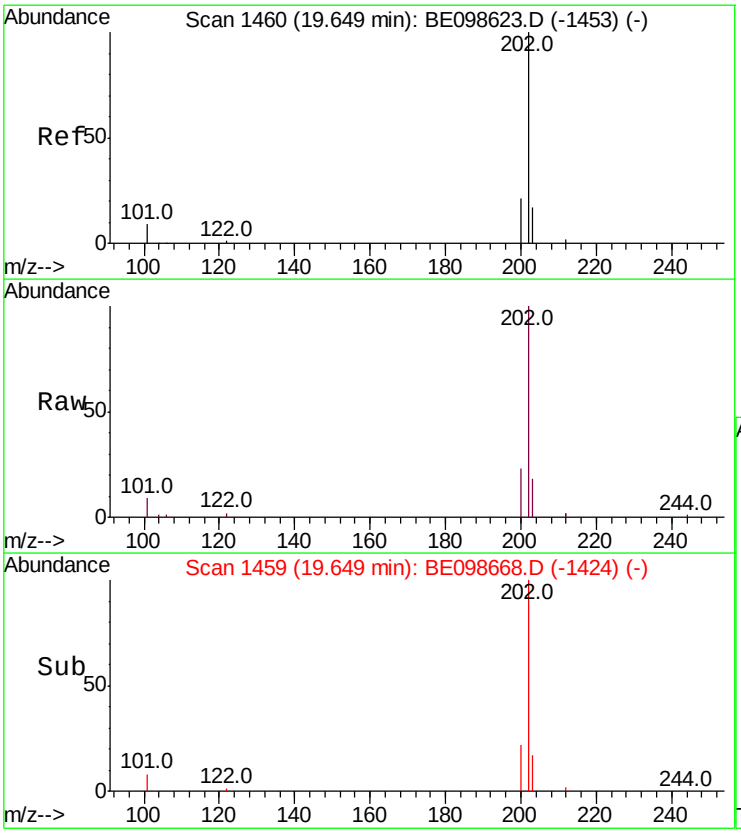
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:240 Resp: 8869

Ion	Ratio	Lower	Upper
240	100		
120	4.1	4.7	7.1#
236	25.8	21.9	32.9

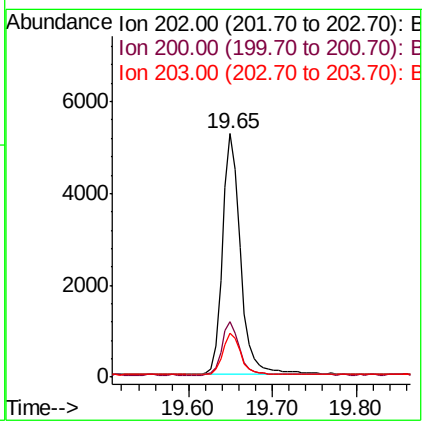


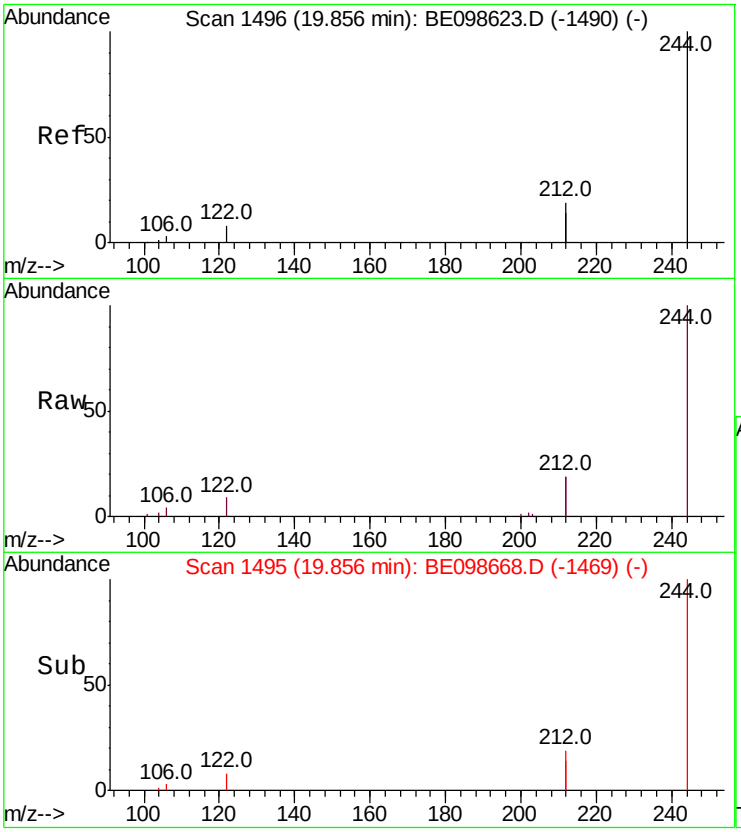


#28
Pyrene
Concen: 0.324 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:202 Resp: 7909

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.0	25.6
203	17.3	13.8	20.8



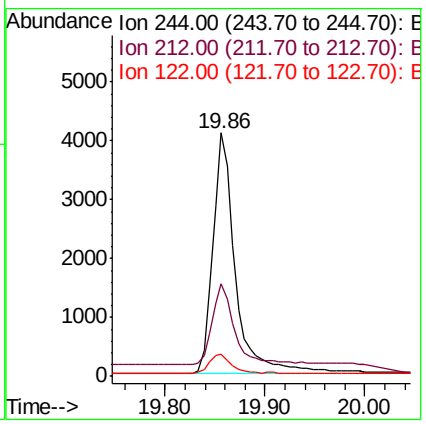


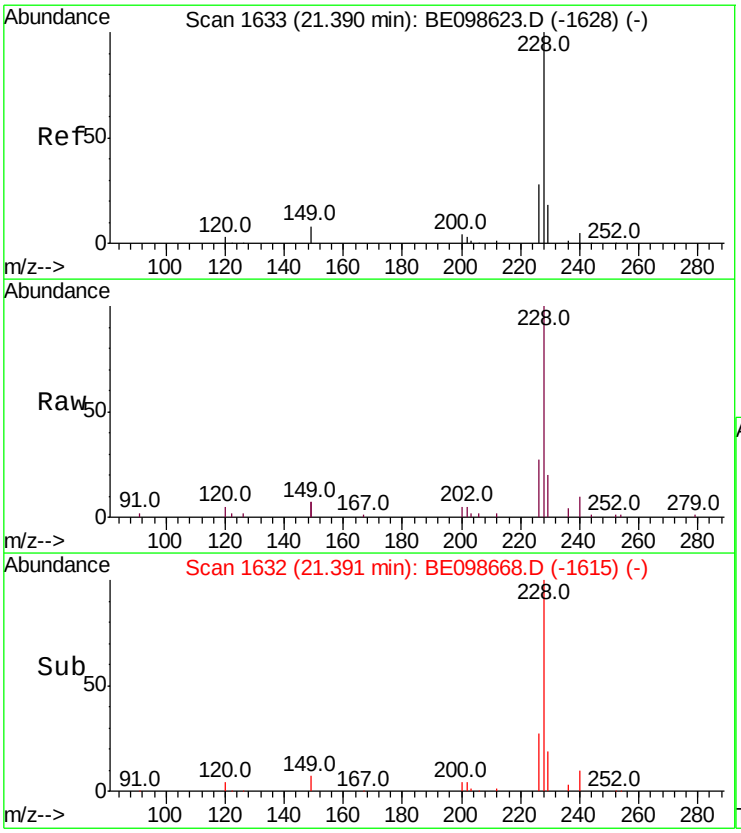
#29
Terphenyl-d14
Concen: 0.325 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:244 Resp: 6383

Ion	Ratio	Lower	Upper
244	100		
212	38.0	29.4	44.2
122	8.9	7.1	10.7

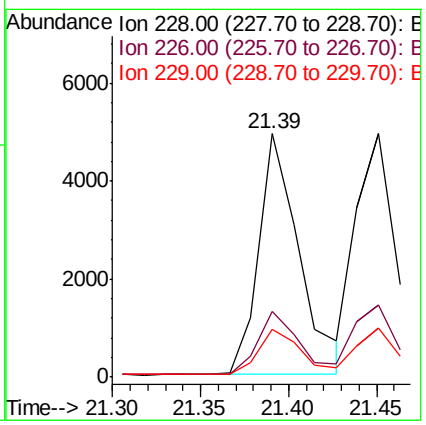


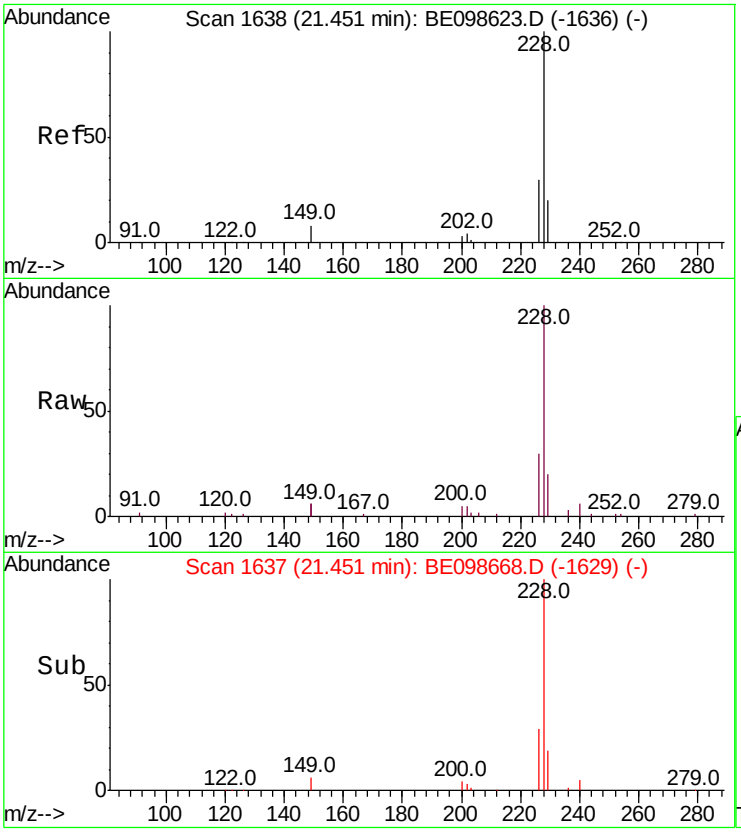


#30
Benzo(a)anthracene
Concen: 0.329 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:228 Resp: 7838

Ion	Ratio	Lower	Upper
228	100		
226	27.3	23.0	34.4
229	19.7	15.0	22.6



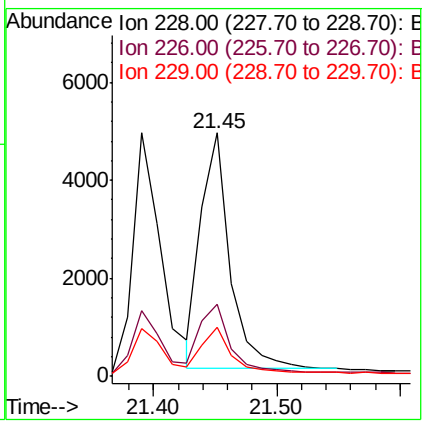


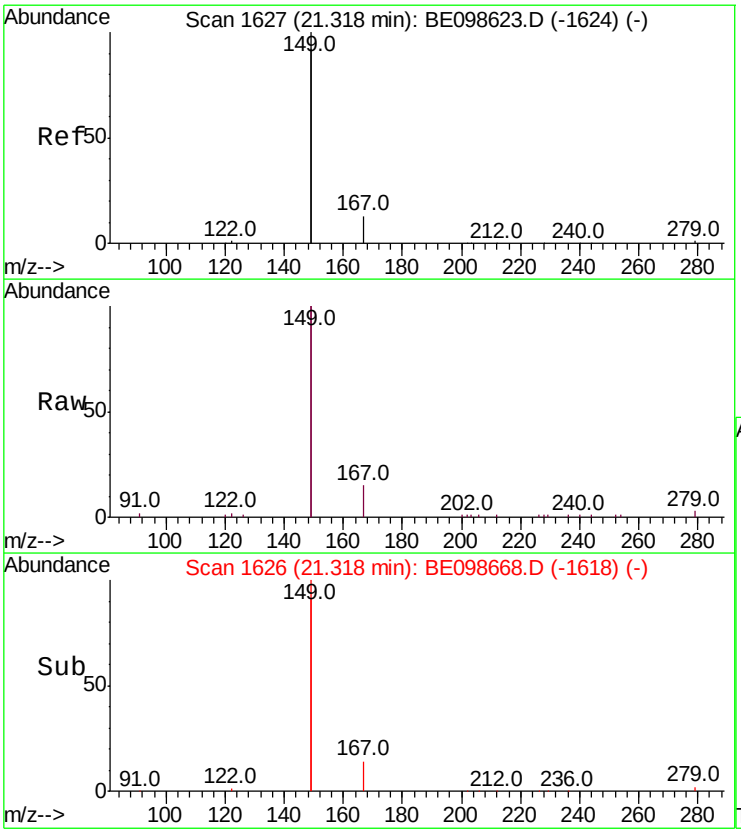
#31
Chrysene
Concen: 0.321 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:228 Resp: 7942

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.6	36.8
229	20.0	16.4	24.6

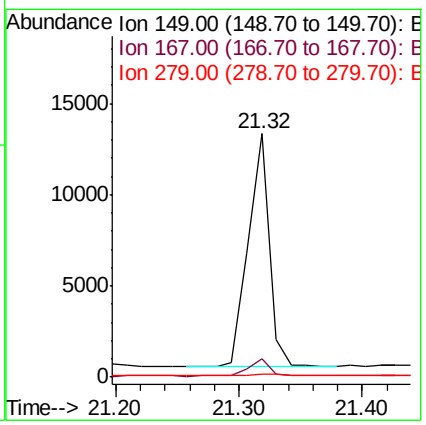


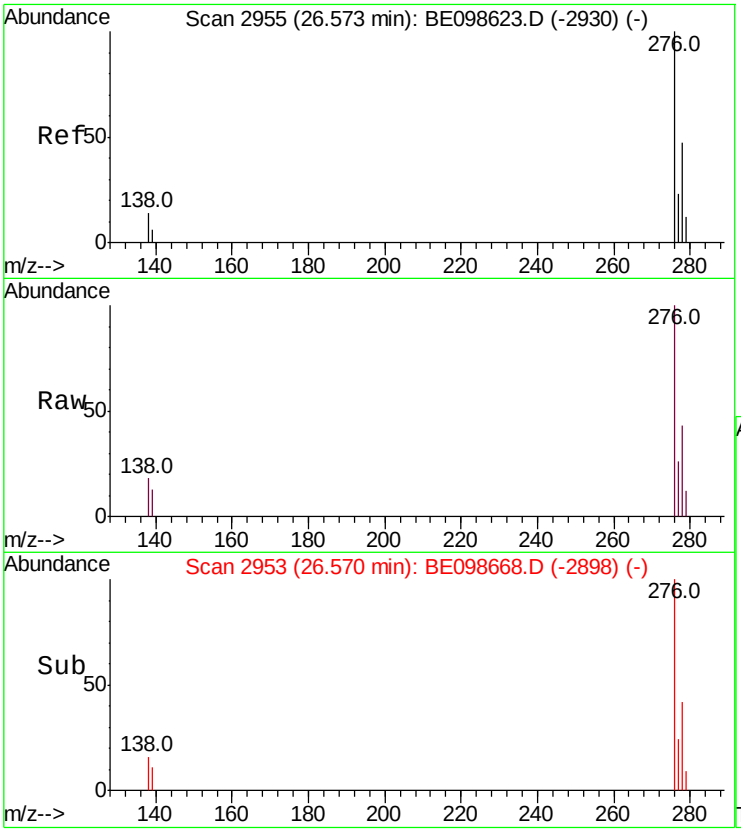


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.301 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:149 Resp: 15247

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.2
279	1.3	1.0	1.4



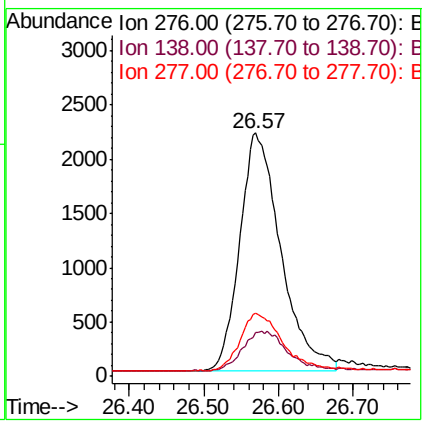


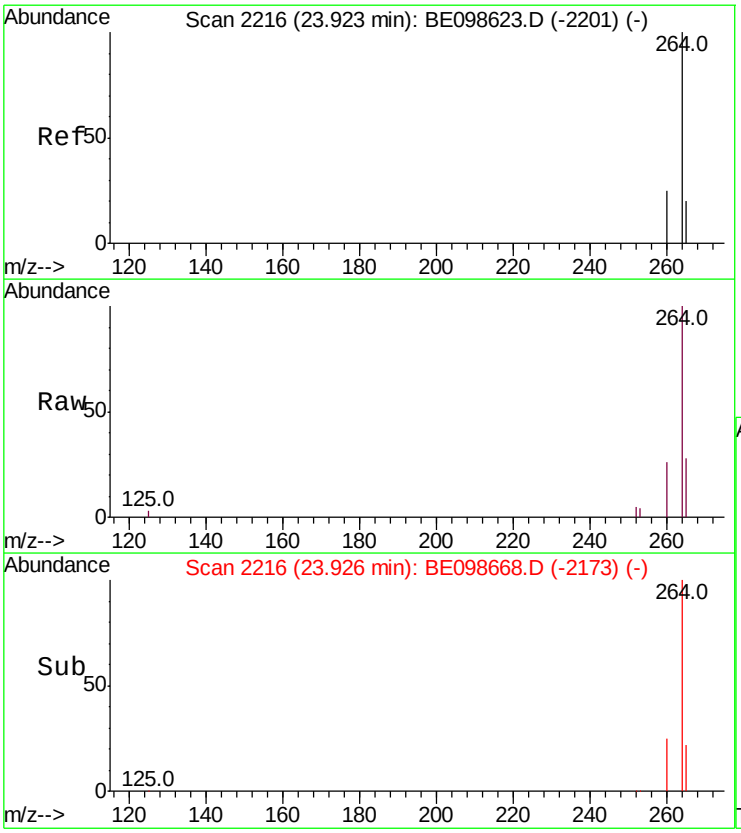
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.330 ng
RT: 26.57 min Scan# 2953
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:276 Resp: 8421

Ion	Ratio	Lower	Upper
276	100		
138	17.8	13.3	19.9
277	24.7	19.4	29.0

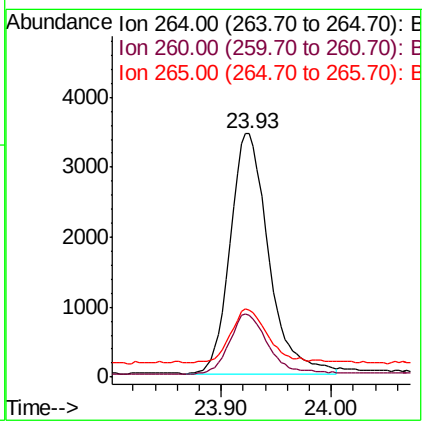


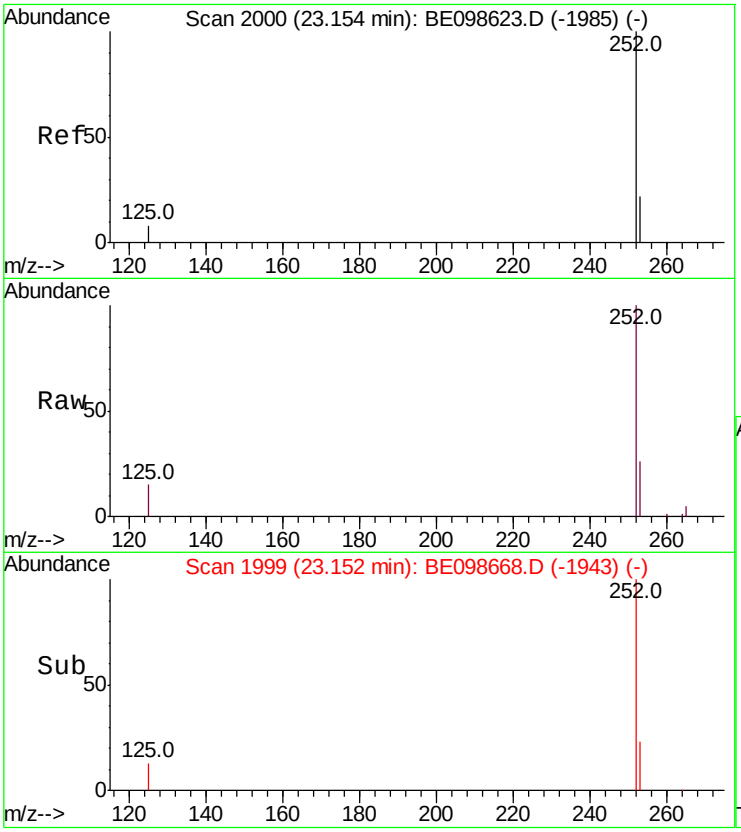


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:264 Resp: 8278

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.5	30.7
265	27.5	22.3	33.5



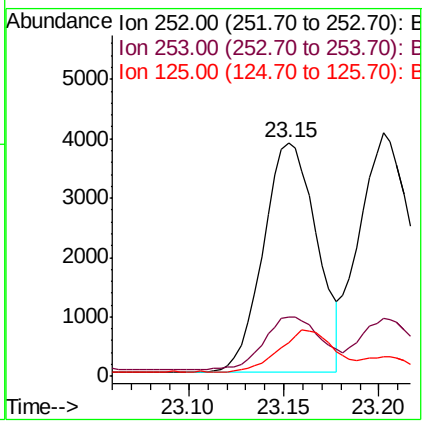


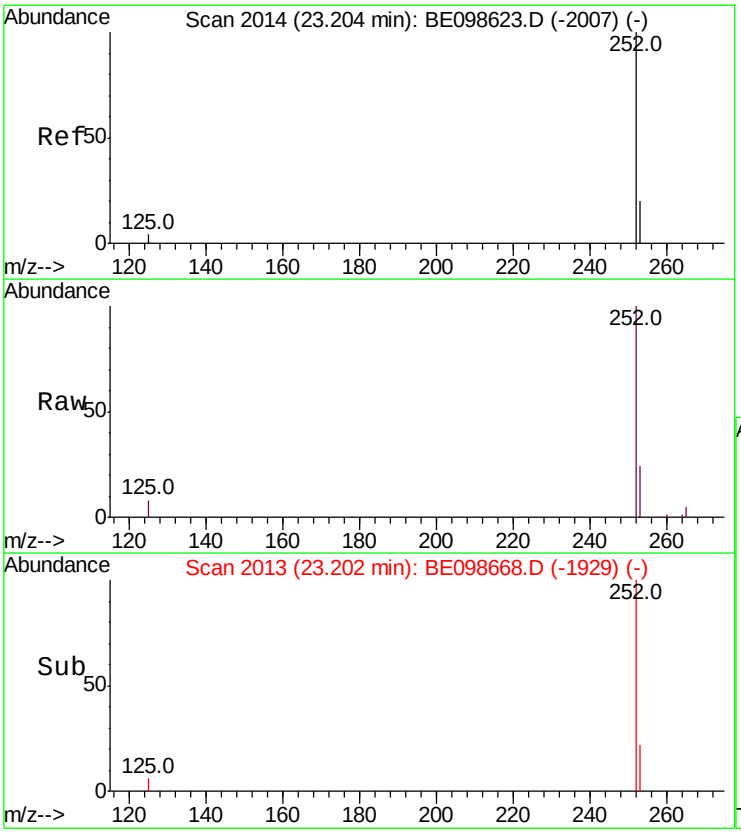
#35
Benzo(b)fluoranthene
Concen: 0.335 ng
RT: 23.15 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:252 Resp: 7562

Ion	Ratio	Lower	Upper
252	100		
253	25.5	19.4	29.0
125	14.7	8.2	12.4#

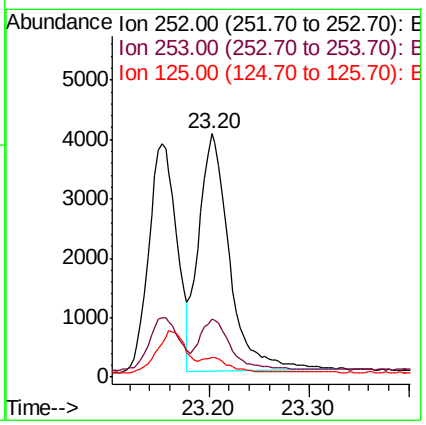


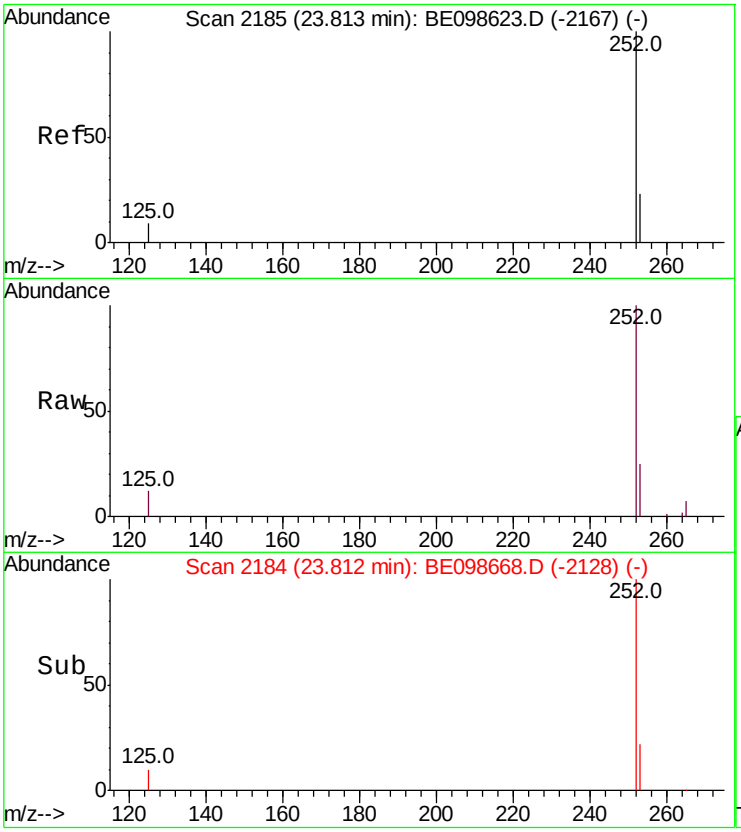


#36
Benzo(k)fluoranthene
Concen: 0.346 ng
RT: 23.20 min Scan# 2013
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:252 Resp: 8541

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.4
125	8.1	7.0	10.4



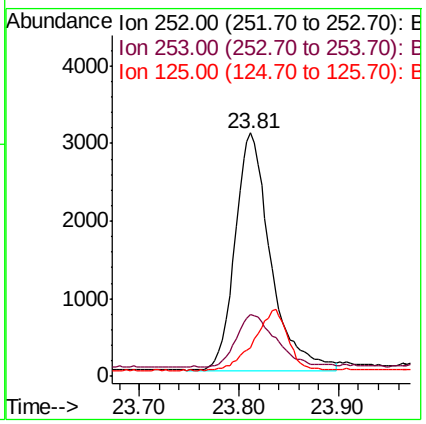


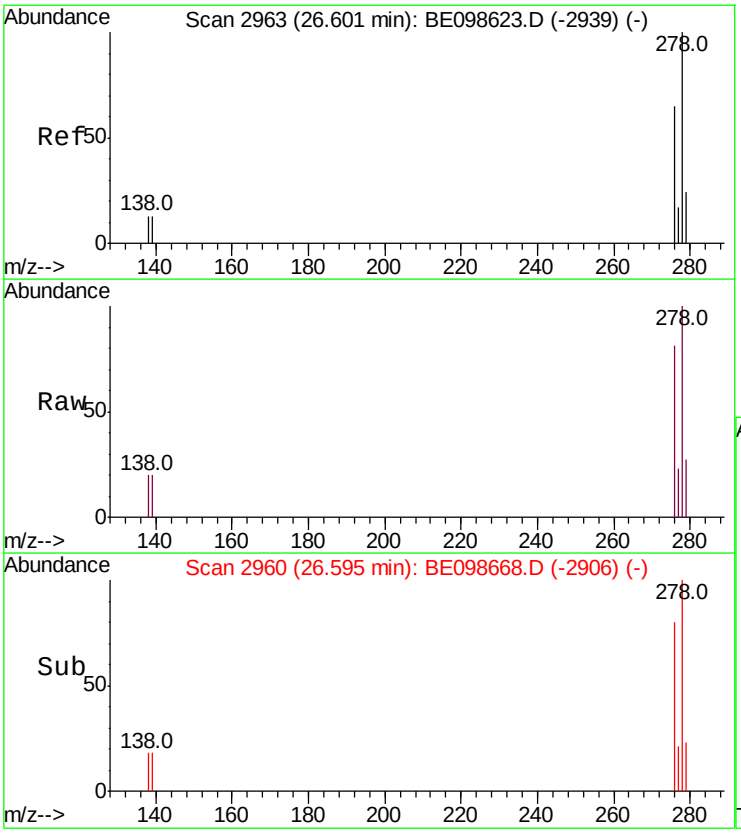
#37
Benzo(a)pyrene
Concen: 0.341 ng
RT: 23.81 min Scan# 2184
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:252 Resp: 7565

Ion	Ratio	Lower	Upper
252	100		
253	25.2	21.0	31.4
125	11.8	9.2	13.8

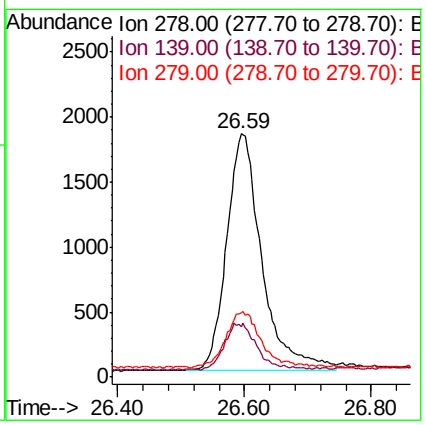


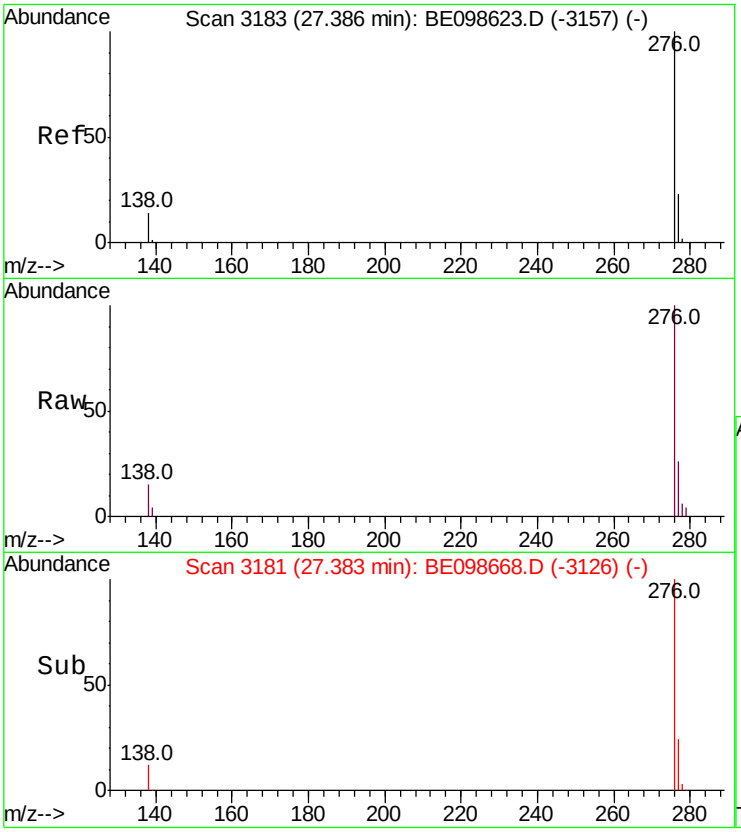


#38
Dibenzo(a,h)anthracene
Concen: 0.360 ng
RT: 26.59 min Scan# 2960
Delta R.T. -0.01 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Tgt Ion:278 Resp: 7074

Ion	Ratio	Lower	Upper
278	100		
139	20.4	12.7	19.1#
279	26.5	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.338 ng
RT: 27.38 min Scan# 3181
Delta R.T. -0.00 min
Lab File: BE098668.D
Acq: 18 Jan 2019 17:03

Instrument :
BNA_E
ClientSampleId :
PB116504BSD

Tgt Ion:276 Resp: 7282

Ion	Ratio	Lower	Upper
276	100		
277	25.6	20.3	30.5
138	15.1	13.3	19.9