Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011719\
Data File : BE098648.D
Acq On : 17 Jan 2019 10:32
Operator : SJ/JU
Sample : PB116433BSD
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB116433BSD

Quant Time: Jan 17 12:40:25 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	1089	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	5095	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	3383	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	8183	0.40	ng		0.00
27) Chrysene-d12	21.41	240	9274	0.40	ng		0.00
34) Perylene-d12	23.92	264	9074	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	1130	0.39	ng		0.00
5) Phenol-d6	7.00	99	1748	0.42	ng		0.00
8) Nitrobenzene-d5	8.98	82	1799	0.45	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	3089	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	650	0.44	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	4922	0.36	ng		0.01
25) Fluoranthene-d10	19.26	212	36820	0.36	ng		0.00
29) Terphenyl-d14	19.86	244	7650	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	820	0.410	ng		91
3) n-Nitrosodimethylamine	3.63	42	692	0.427	ng	#	94
6) bis(2-Chloroethyl)ether	7.24	93	1200	0.384	ng		93
9) Naphthalene	10.65	128	18742	0.369	ng		100
10) Hexachlorobutadiene	10.94	225	1395	0.384	ng		95
12) 2-Methylnaphthalene	12.28	142	3046	0.362	ng		93
16) Acenaphthylene	14.20	152	5406	0.369	ng		99
17) Acenaphthene	14.54	154	3383	0.368	ng		99
18) Fluorene	15.52	166	4487	0.375	ng		99
20) 4-Bromophenyl-phenylether	16.41	248	1575	0.363	ng	#	85
21) Hexachlorobenzene	16.53	284	1909	0.365	ng		95
22) Pentachlorophenol	16.89	266	672	0.514	ng		97
23) Phenanthrene	17.27	178	6969	0.359	ng		100
24) Anthracene	17.36	178	5802	0.349	ng		98
26) Fluoranthene	19.29	202	8952	0.359	ng		98
28) Pyrene	19.65	202	9390	0.368	ng		100
30) Benzo(a)anthracene	21.39	228	9278	0.372	ng		99
31) Chrysene	21.45	228	9491	0.367	ng		100
32) Bis(2-ethylhexyl)phthalate	21.32	149	18628	0.352	ng		100
33) Indeno(1,2,3-cd)pyrene	26.57	276	10310	0.387	ng	#	93
35) Benzo(b)fluoranthene	23.15	252	9230	0.373	ng	#	98
36) Benzo(k)fluoranthene	23.21	252	9977	0.369	ng		98
37) Benzo(a)pyrene	23.81	252	8980	0.369	ng		95
38) Dibenzo(a,h)anthracene	26.60	278	8491	0.394	ng	#	95
39) Benzo(g,h,i)perylene	27.39	276	8767	0.372	ng		97

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

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Misc :
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Instrument :
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Quant Time: Jan 17 12:40:25 2019
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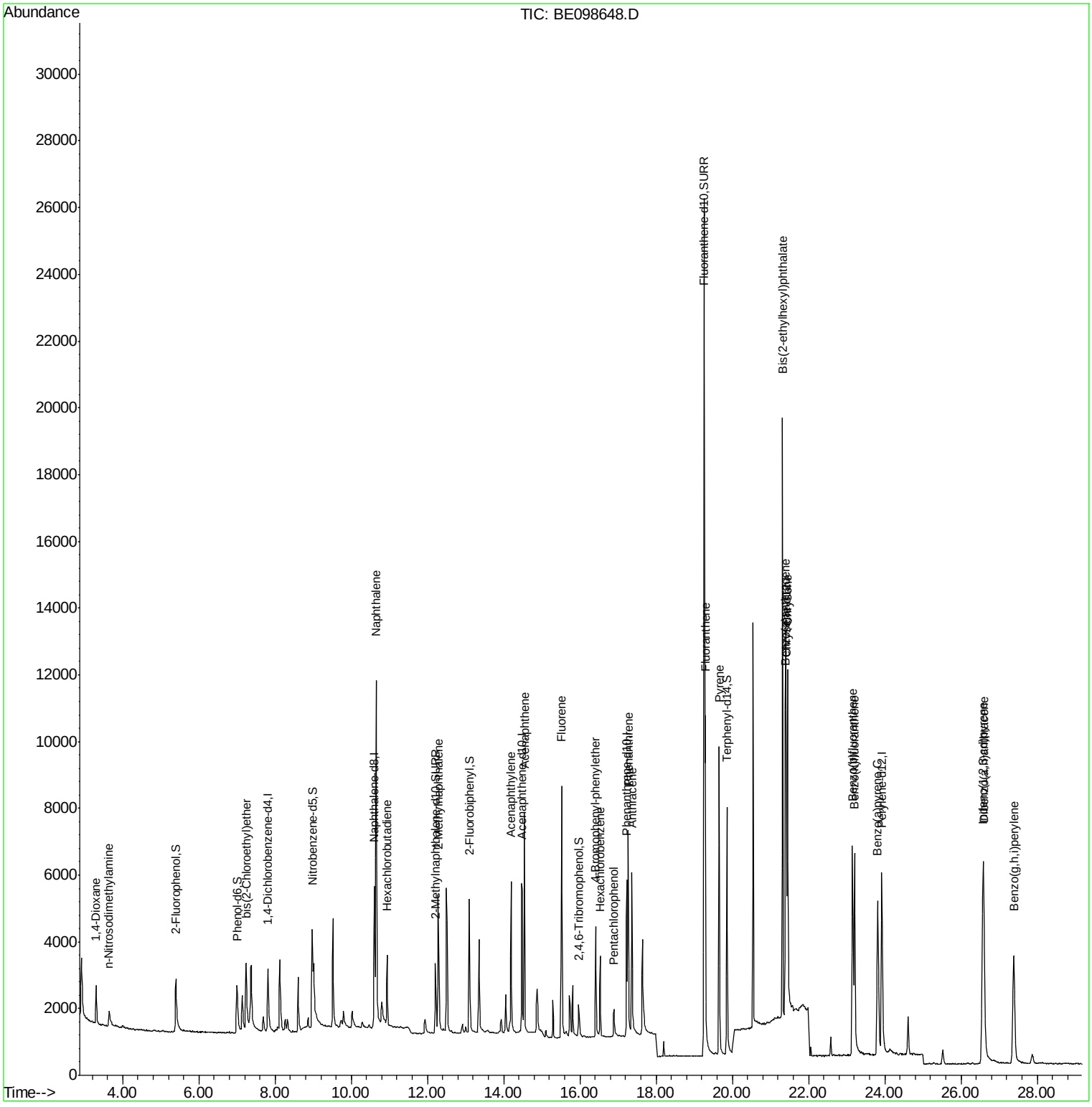
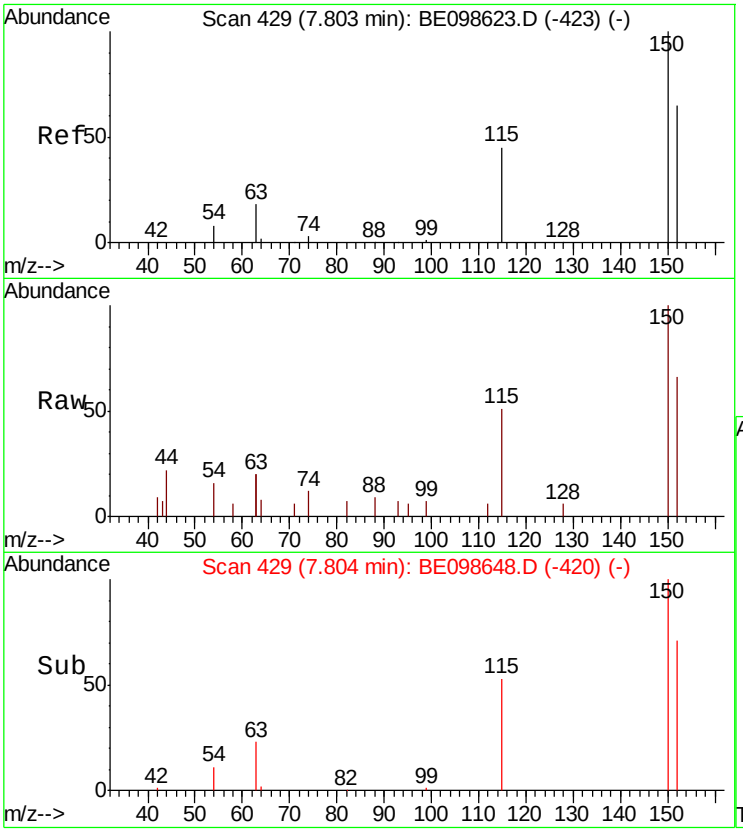
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 15 14:30:55 2019
Response via : Initial Calibration



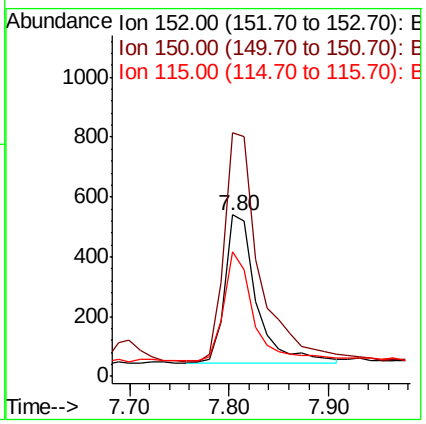


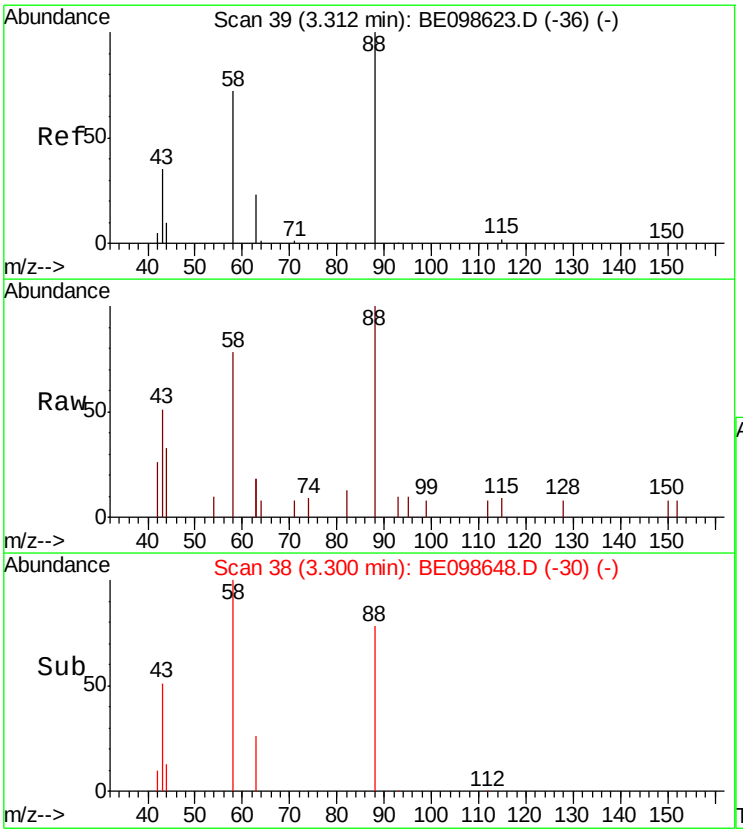
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:152 Resp: 1089

Ion	Ratio	Lower	Upper
152	100		
150	151.0	121.4	182.2
115	77.0	59.1	88.7

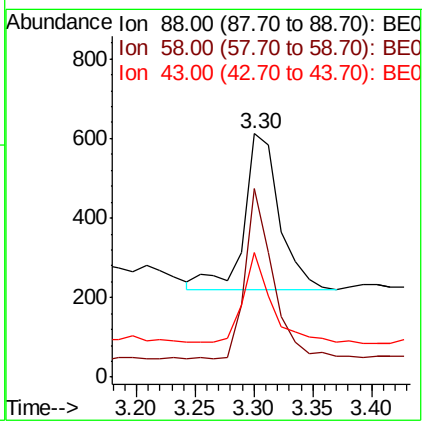


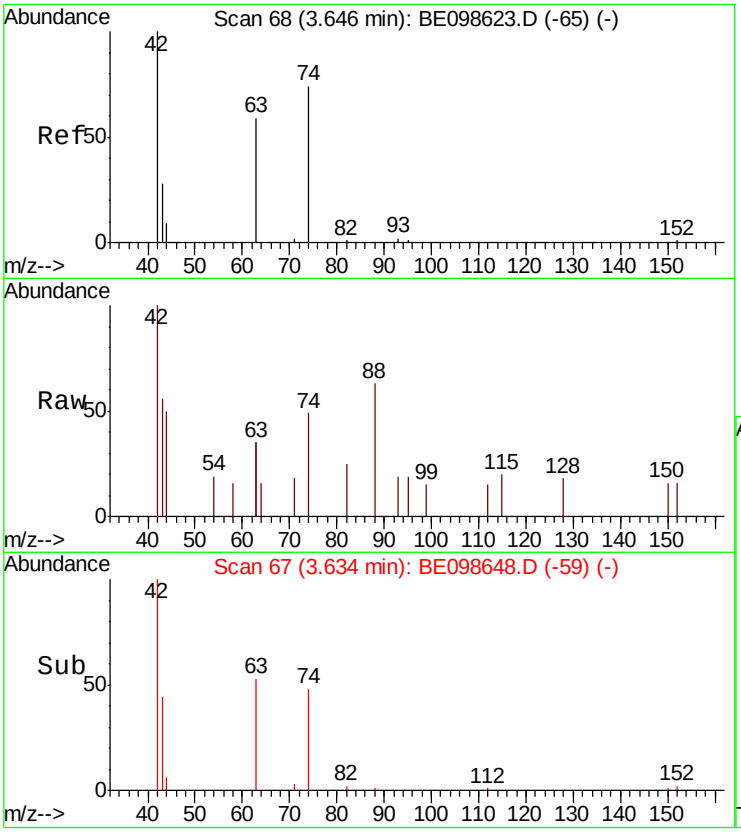


#2
1,4-Dioxane
Concen: 0.410 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.01 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion: 88 Resp: 820

Ion	Ratio	Lower	Upper
88	100		
58	85.4	73.9	110.9
43	45.5	43.7	65.5



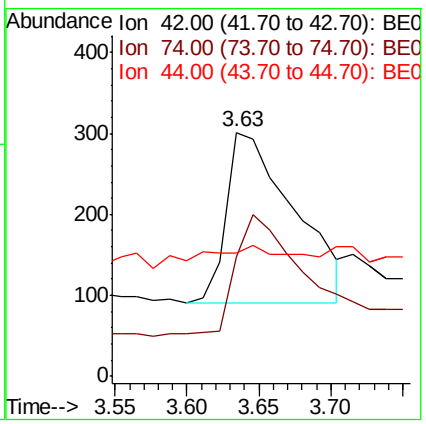


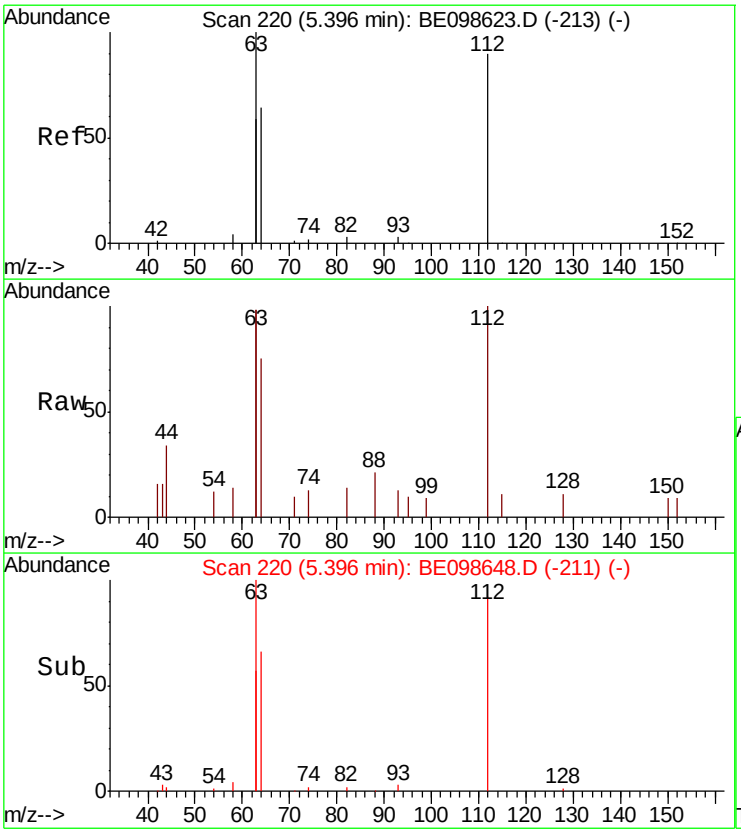
#3
n-Nitrosodimethylamine
Concen: 0.427 ng
RT: 3.63 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion: 42 Resp: 692

Ion	Ratio	Lower	Upper
42	100		
74	68.6	58.9	88.3
44	14.7	0.0	0.0#

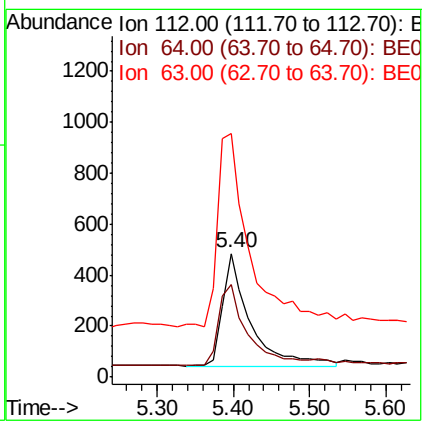


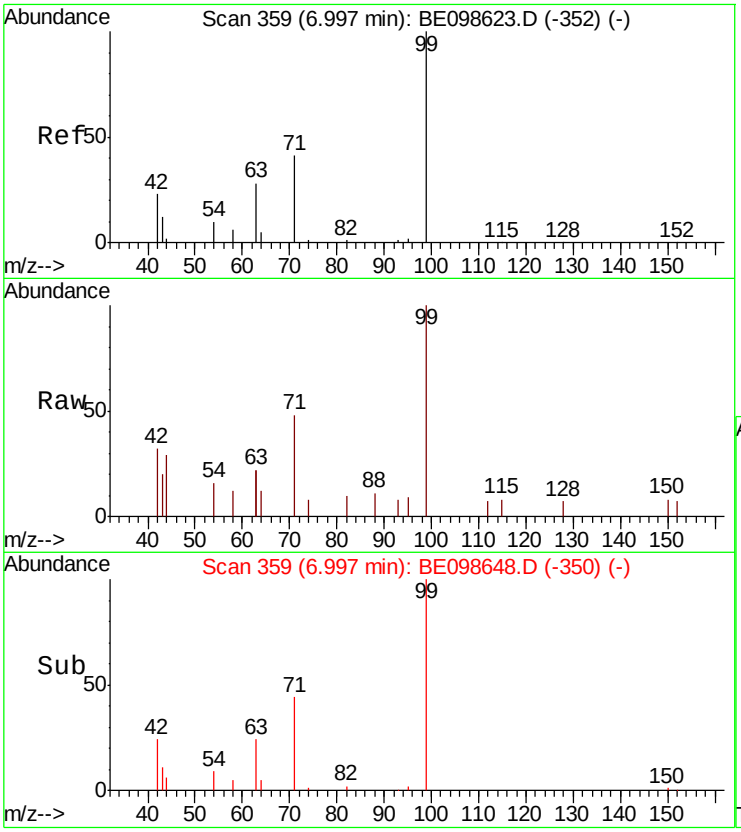


#4
2-Fluorophenol
Concen: 0.389 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:112 Resp: 1130

Ion	Ratio	Lower	Upper
112	100		
64	75.8	62.9	94.3
63	217.4	152.2	228.4



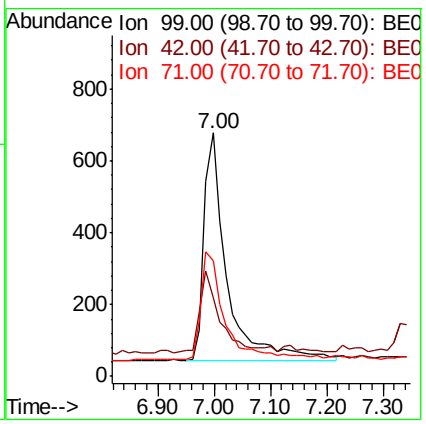


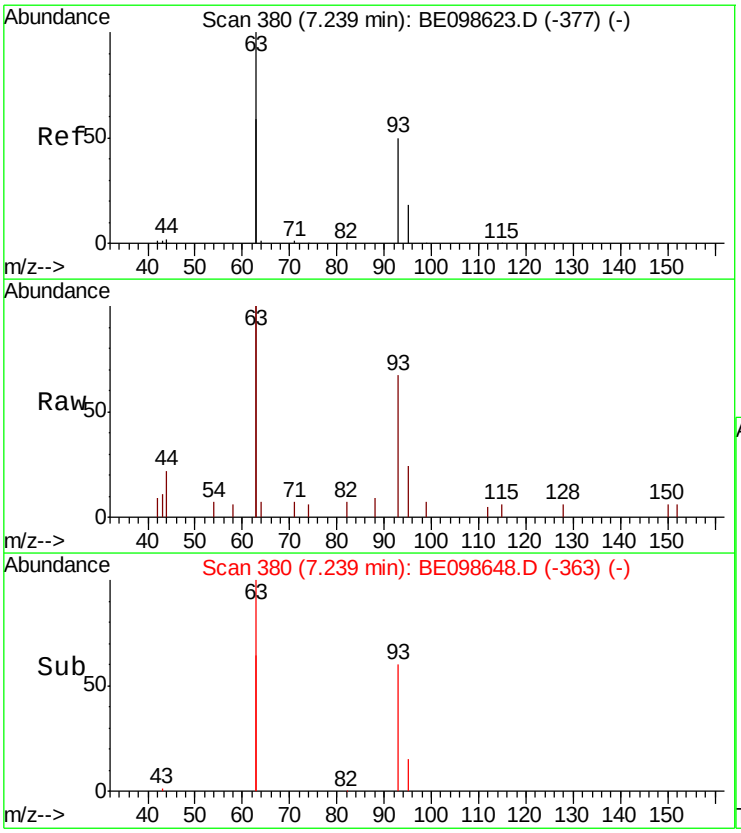
#5
Phenol-d6
Concen: 0.423 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion: 99 Resp: 1748

Ion	Ratio	Lower	Upper
99	100		
42	32.5	24.6	37.0
71	48.5	35.1	52.7

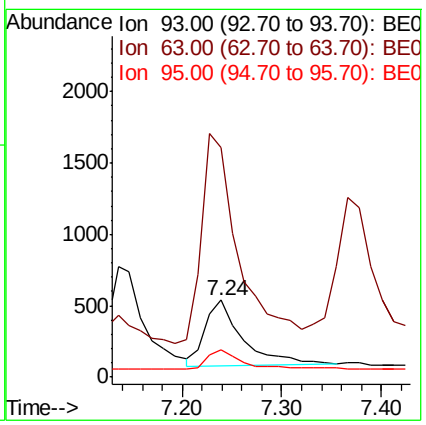


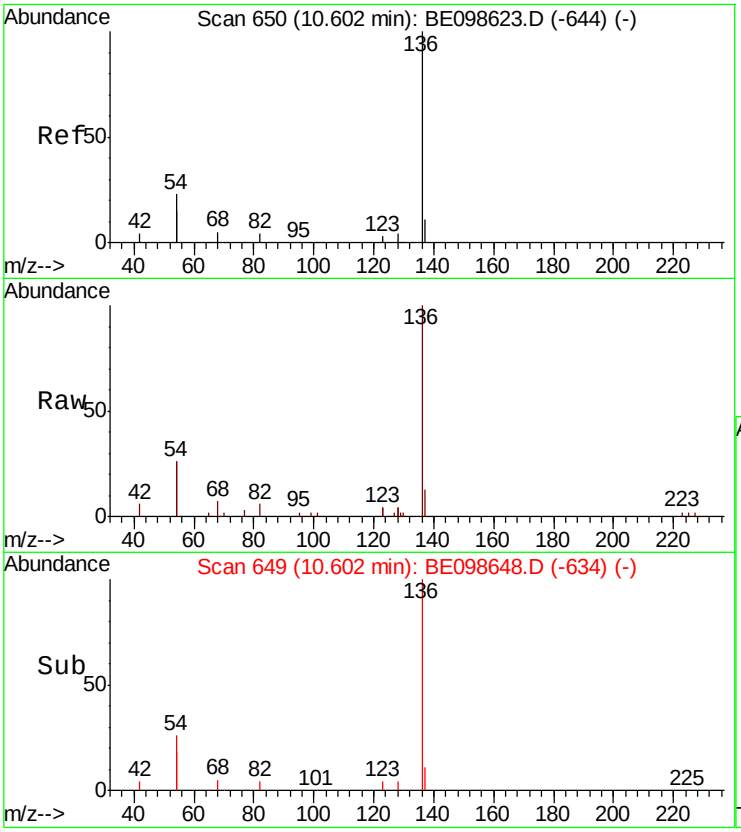


#6
bis(2-Chloroethyl)ether
Concen: 0.384 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion: 93 Resp: 1200

Ion	Ratio	Lower	Upper
93	100		
63	319.2	267.3	400.9
95	31.9	26.2	39.4



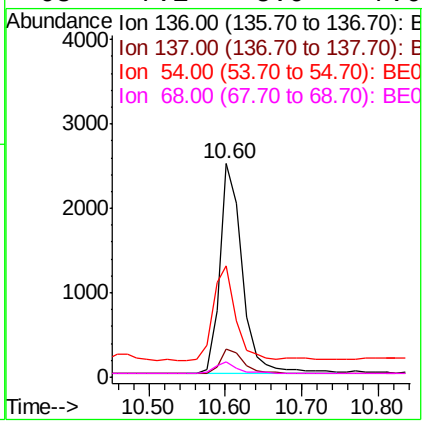


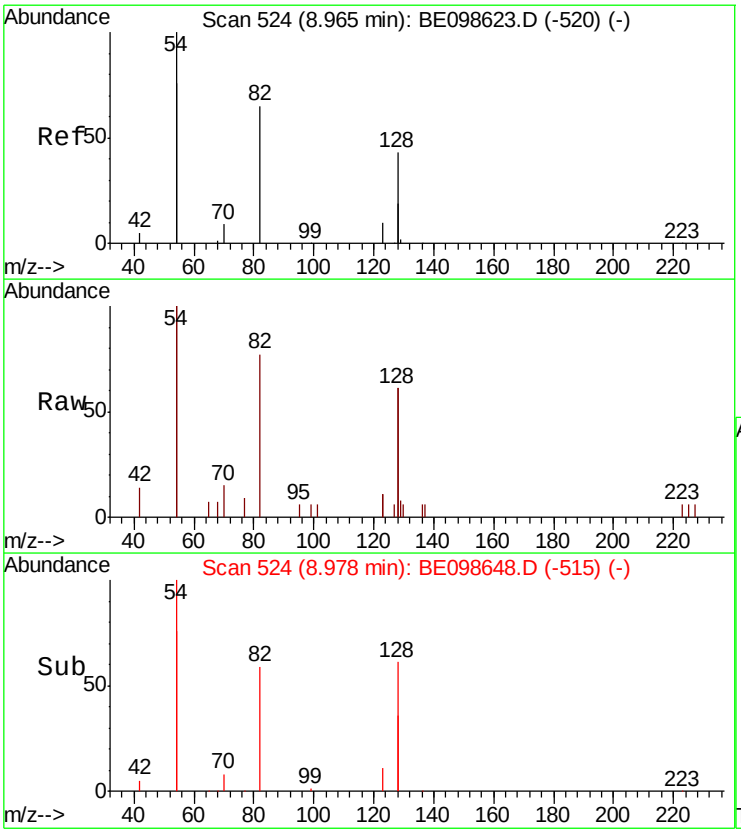
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:136 Resp: 5095

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.7	14.5
54	51.9	35.5	53.3
68	7.1	5.0	7.6

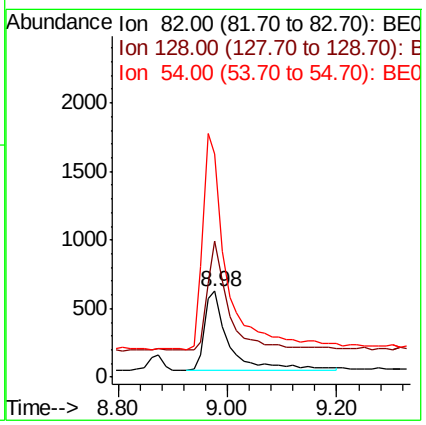


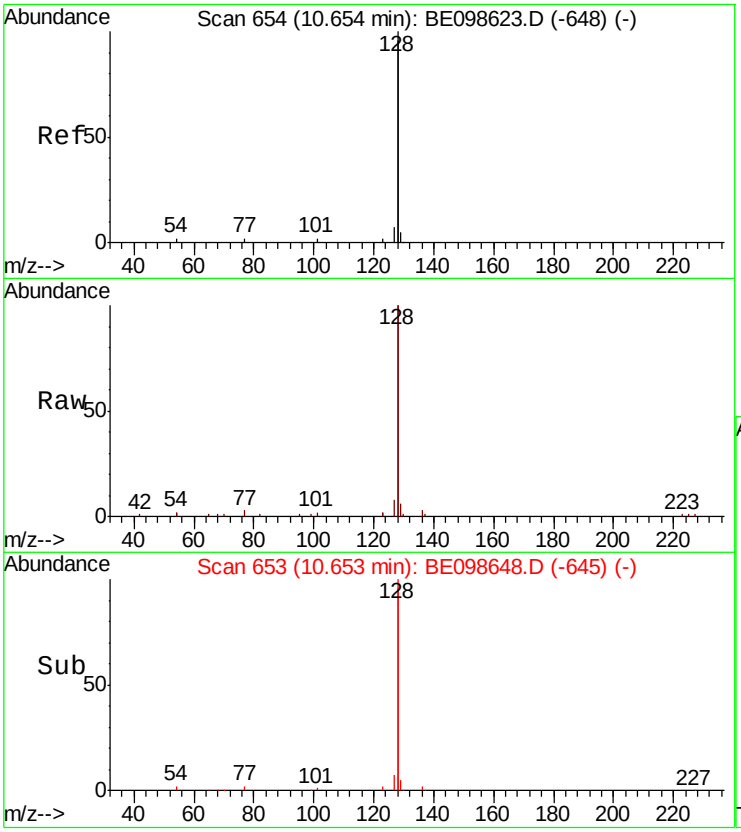


#8
Nitrobenzene-d5
Concen: 0.445 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion: 82 Resp: 1799

Ion	Ratio	Lower	Upper
82	100		
128	158.1	96.5	144.7#
54	260.1	224.7	337.1



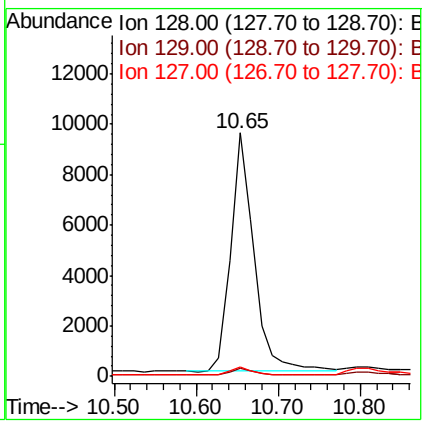


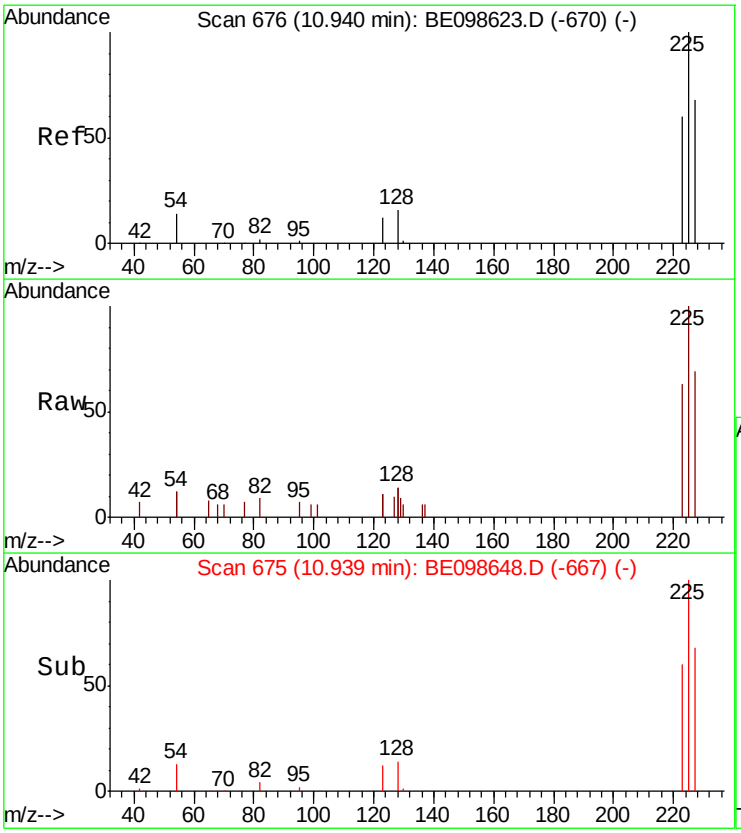
#9
Naphthalene
Concen: 0.369 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:128 Resp: 18742

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.6	3.8
127	3.8	3.0	4.6

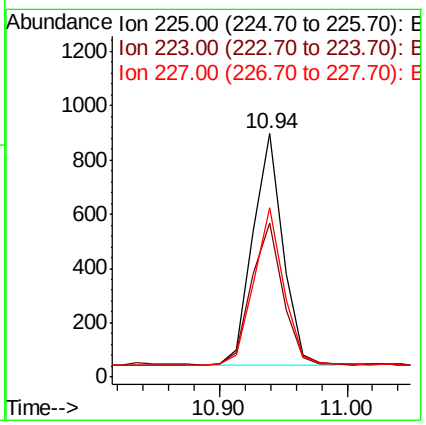


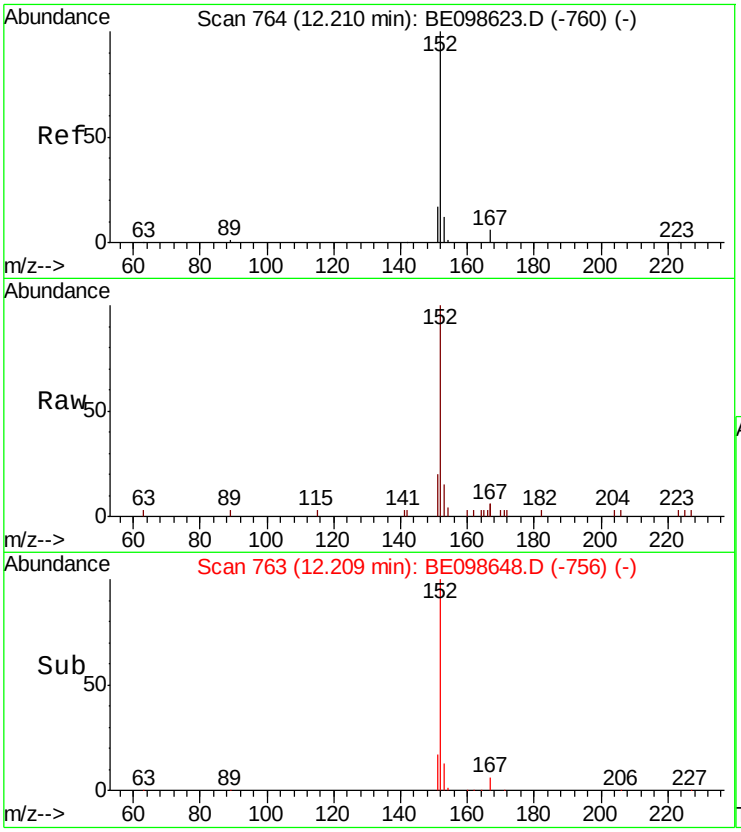


#10
Hexachlorobutadiene
Concen: 0.384 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:225 Resp: 1395

Ion	Ratio	Lower	Upper
225	100		
223	63.8	47.8	71.8
227	67.3	50.5	75.7



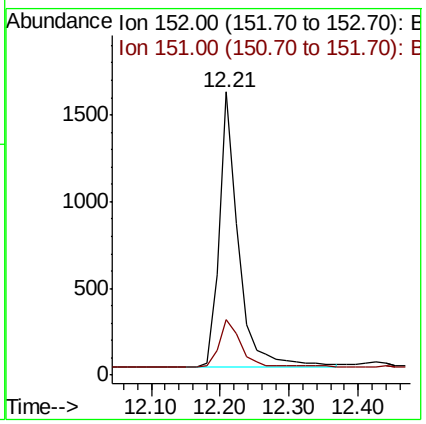


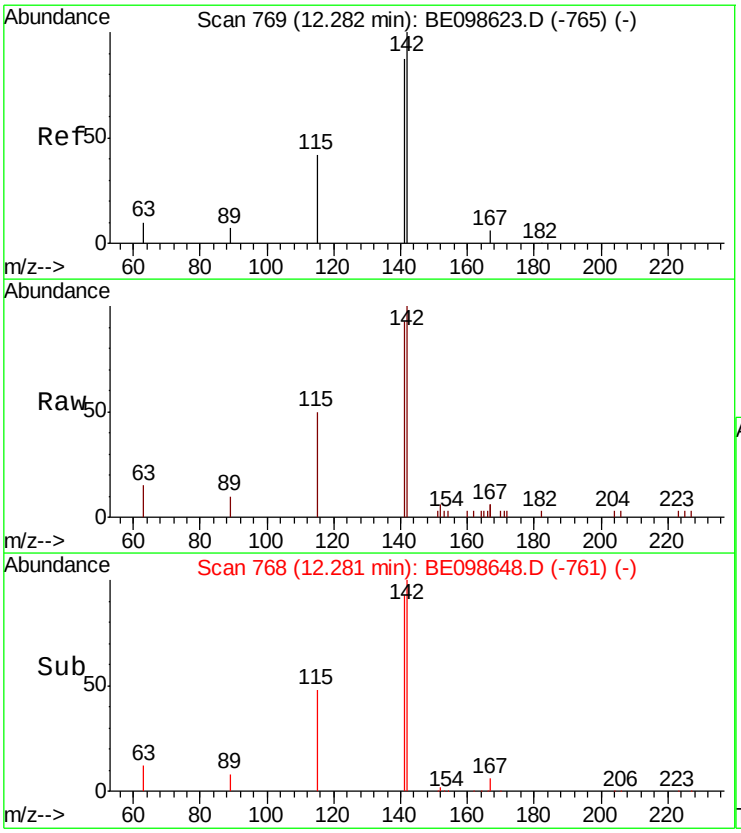
#11
2-Methylnaphthalene-d10
Concen: 0.368 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:152 Resp: 3089

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.2	24.4

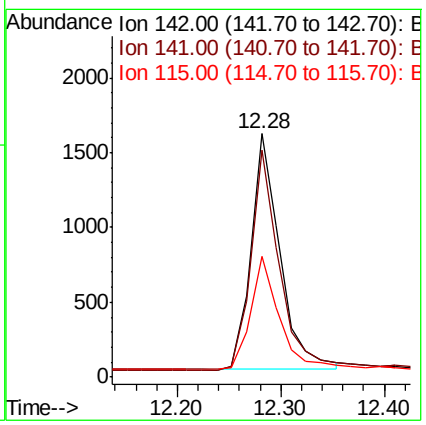


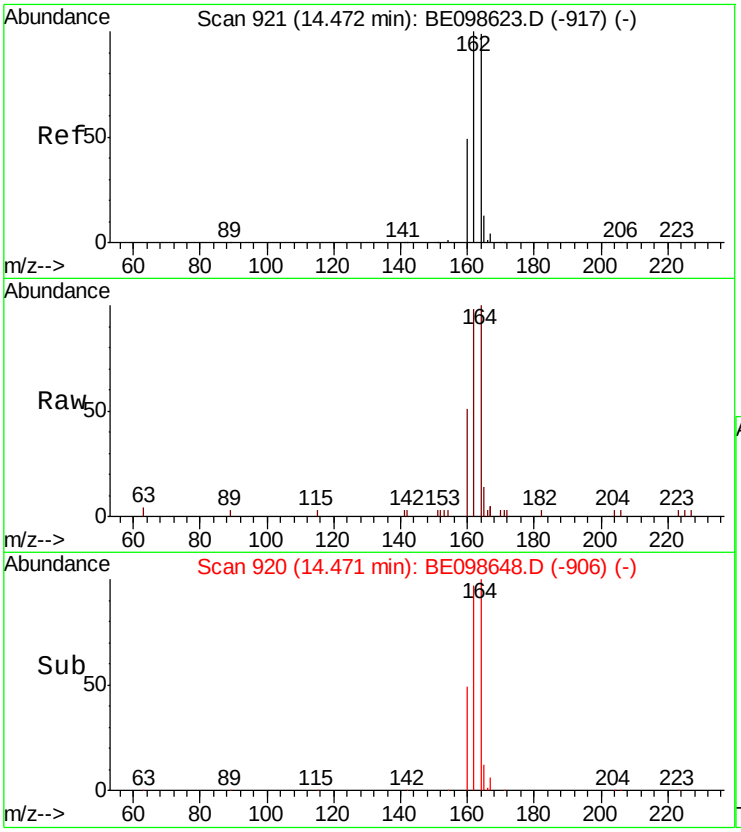


#12
2-Methylnaphthalene
Concen: 0.362 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:142 Resp: 3046

Ion	Ratio	Lower	Upper
142	100		
141	93.0	70.0	105.0
115	49.8	35.2	52.8



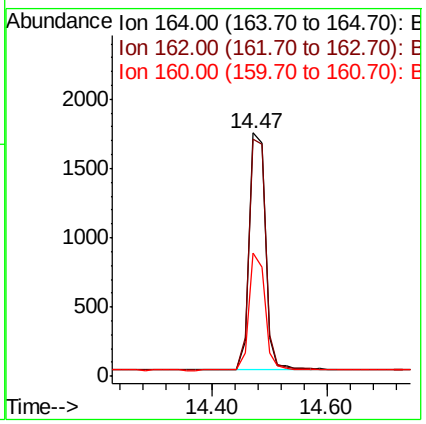


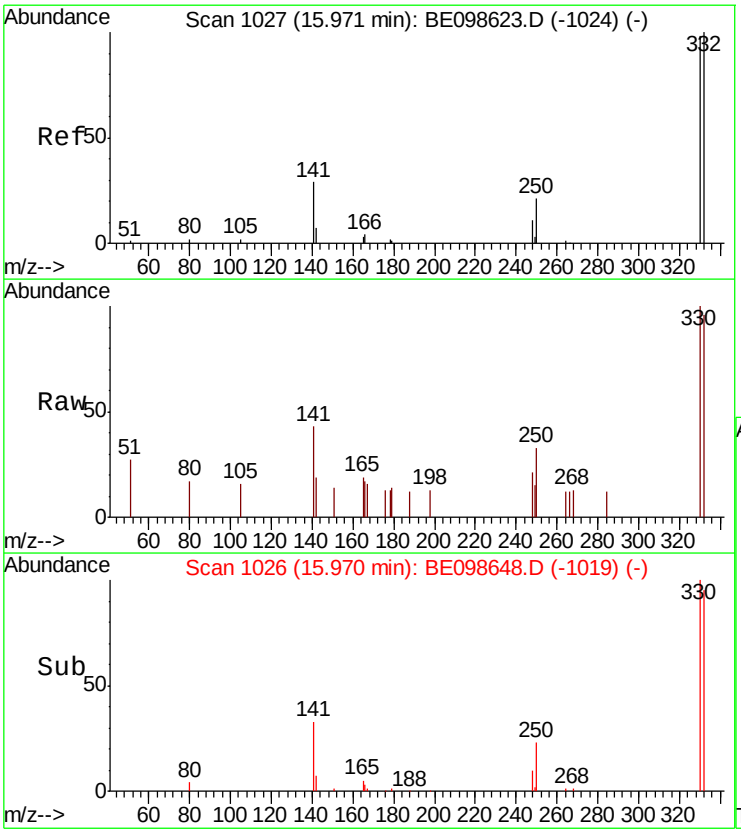
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:164 Resp: 3383

Ion	Ratio	Lower	Upper
164	100		
162	97.6	80.5	120.7
160	50.7	40.1	60.1

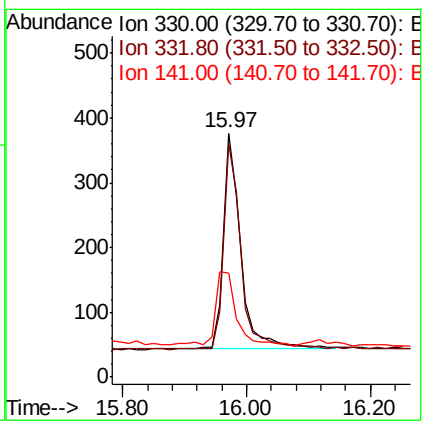


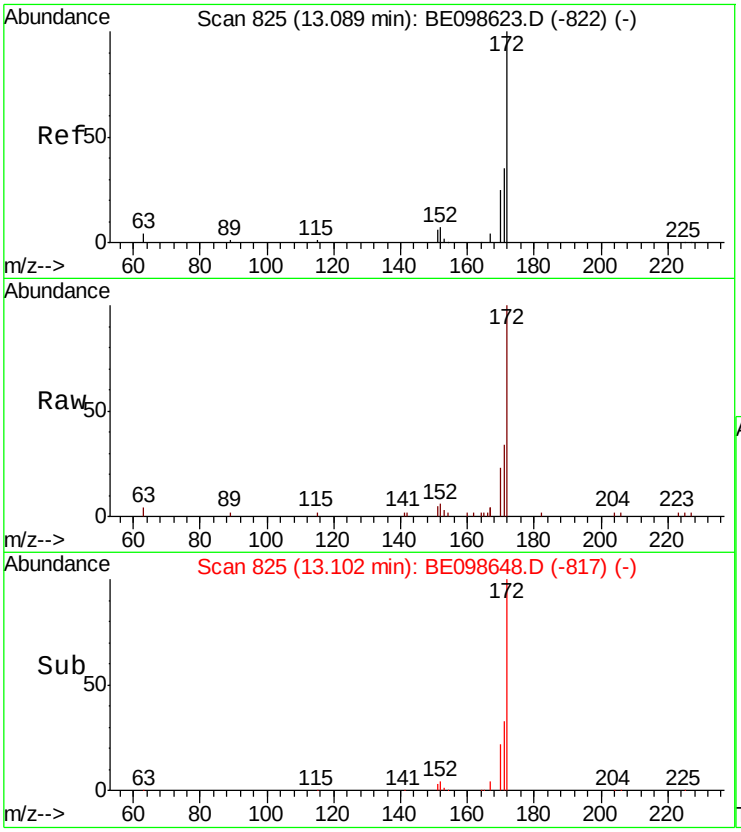


#14
2,4,6-Tribromophenol
Concen: 0.442 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:330 Resp: 650

Ion	Ratio	Lower	Upper
330	100		
332	94.3	73.3	109.9
141	40.8	33.1	49.7



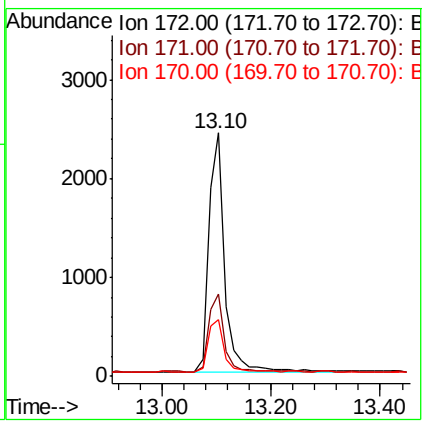


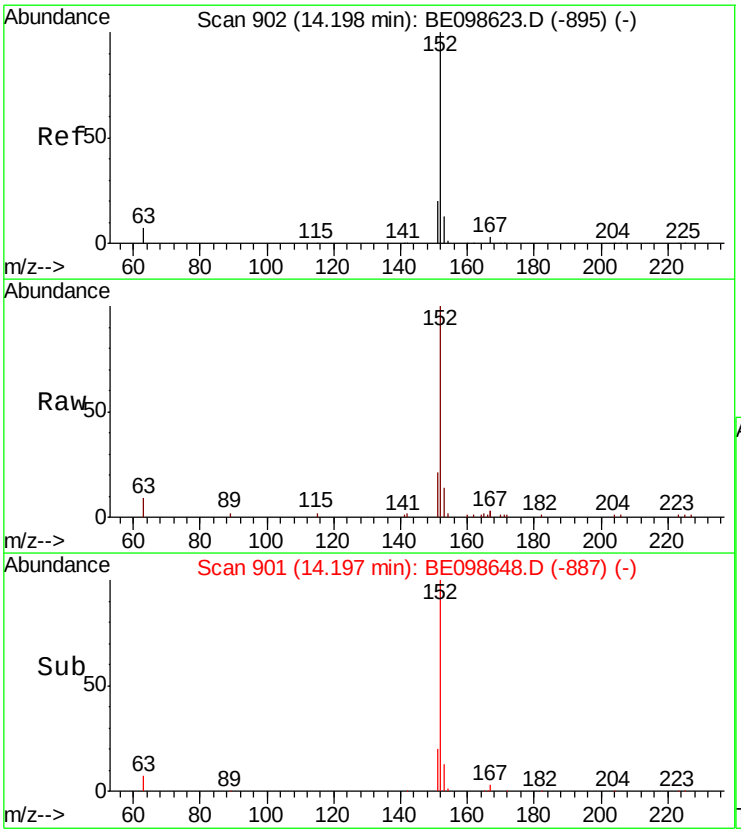
#15
2-Fluorobiphenyl
Concen: 0.355 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:172 Resp: 4922

Ion	Ratio	Lower	Upper
172	100		
171	34.0	29.0	43.4
170	23.4	20.8	31.2

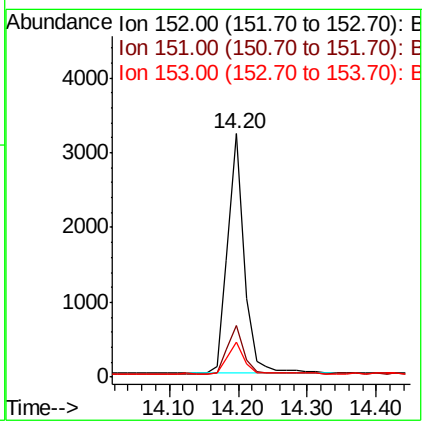


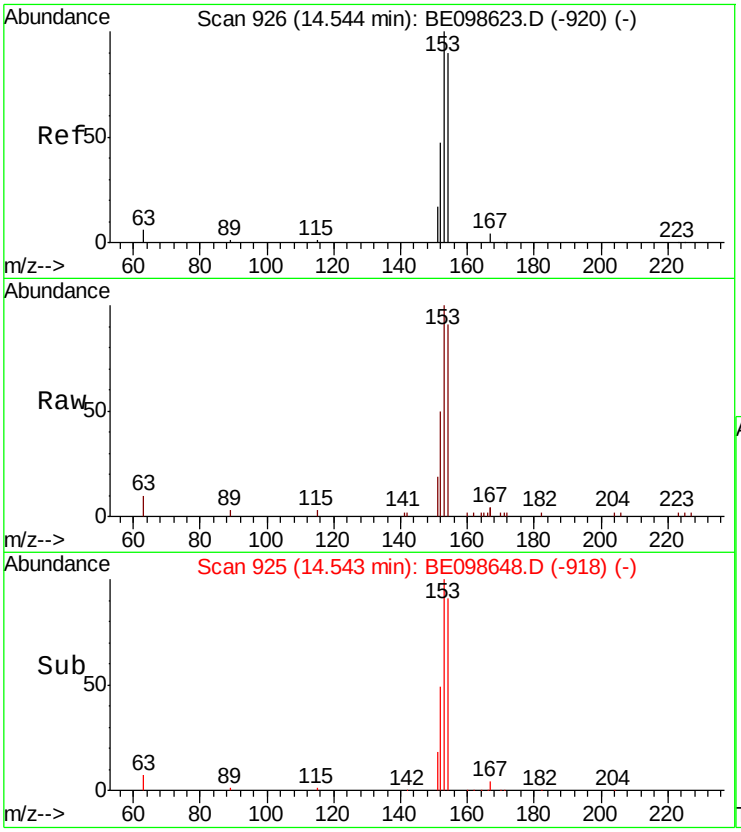


#16
Acenaphthylene
Concen: 0.369 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:152 Resp: 5406

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.3	24.5
153	12.8	10.7	16.1



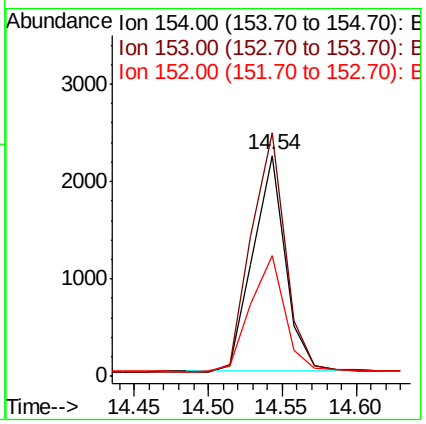


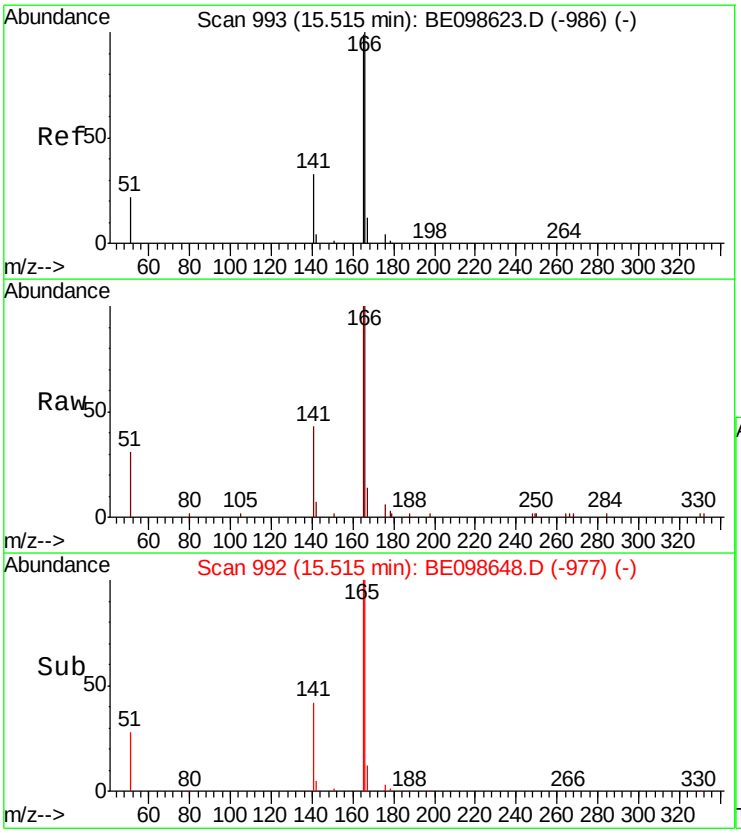
#17
Acenaphthene
Concen: 0.368 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:154 Resp: 3383

Ion	Ratio	Lower	Upper
154	100		
153	116.5	93.9	140.9
152	56.7	45.8	68.8

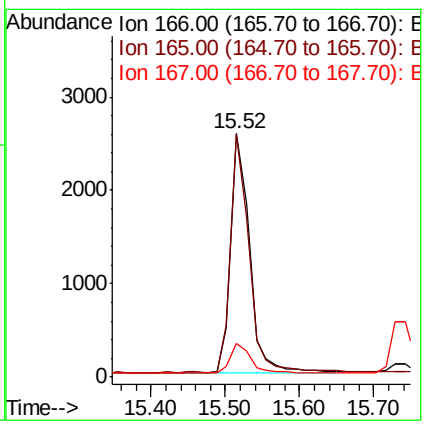


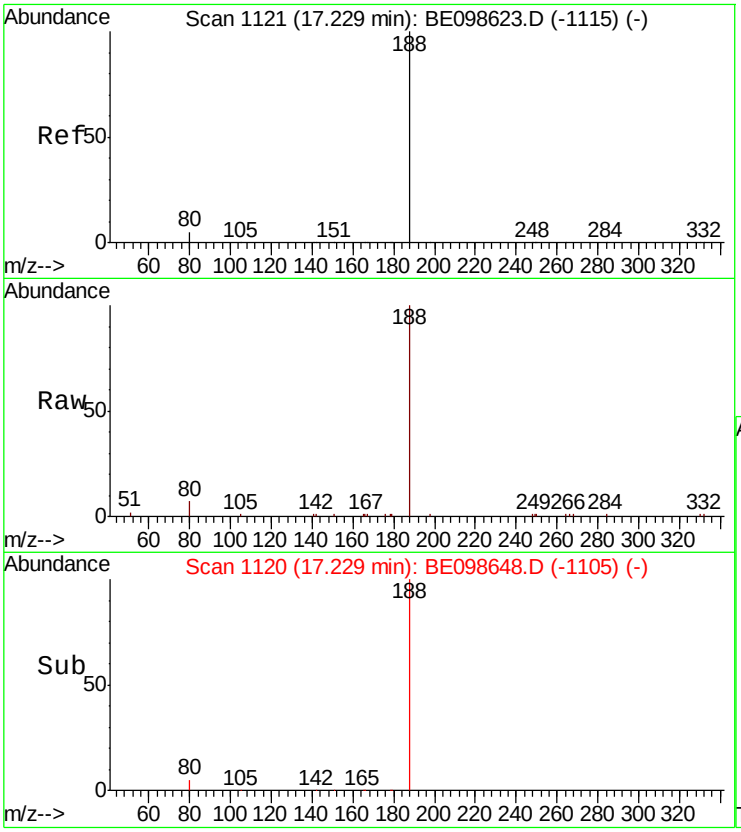


#18
Fluorene
Concen: 0.375 ng
RT: 15.52 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:166 Resp: 4487

Ion	Ratio	Lower	Upper
166	100		
165	98.2	79.3	118.9
167	13.2	10.6	15.8



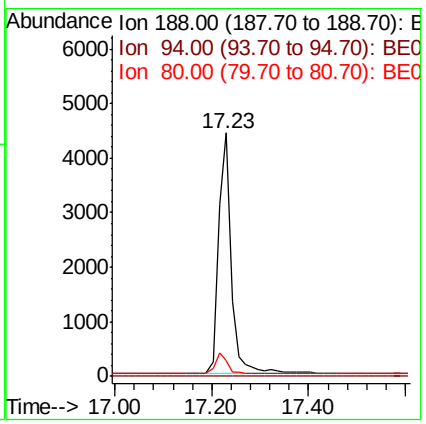


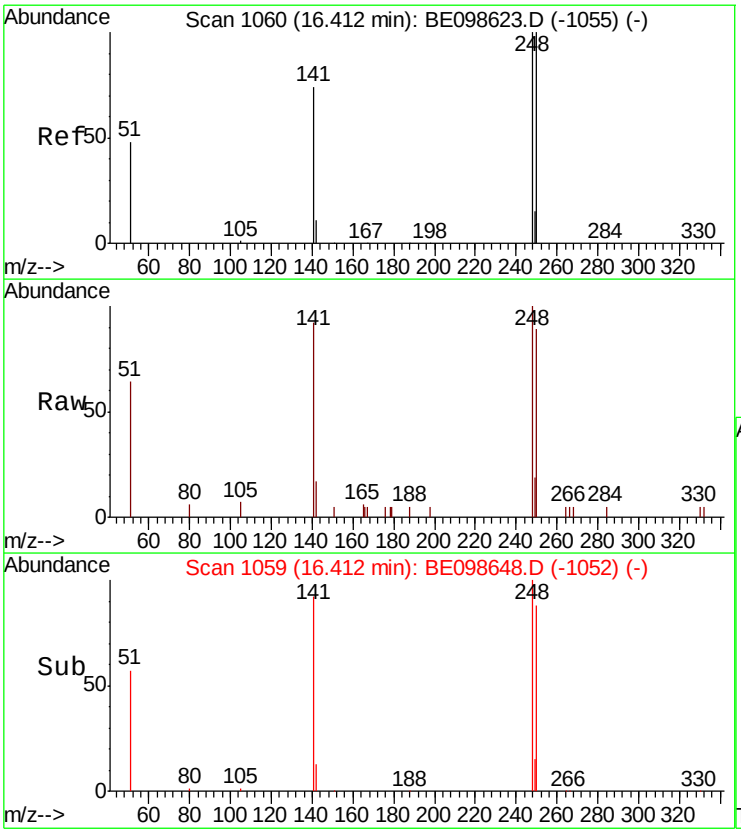
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:188 Resp: 8183

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.5	4.7	7.1

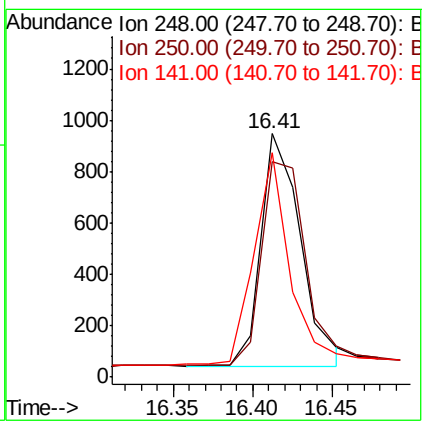


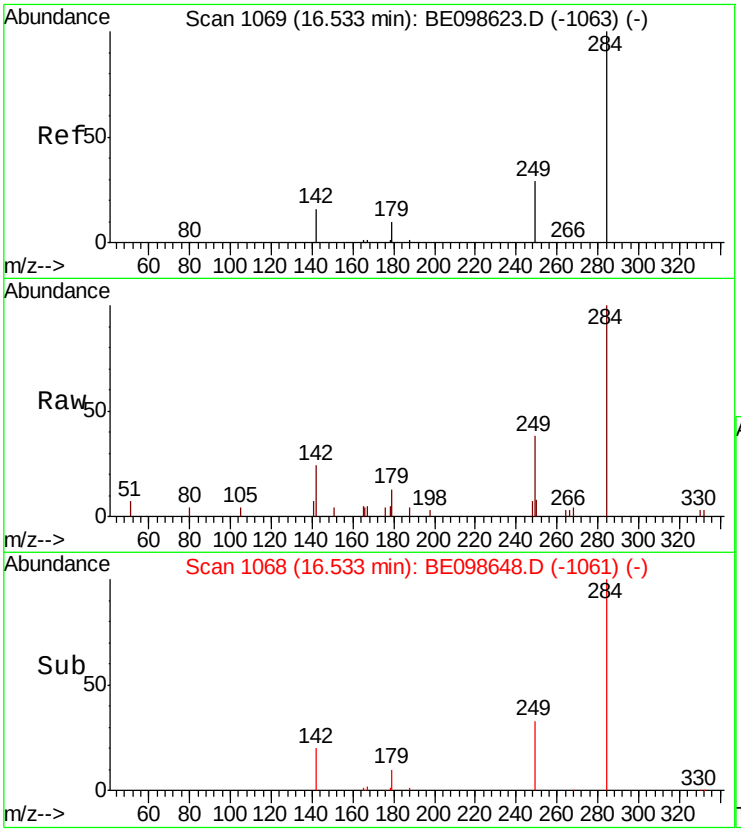


#20
4-Bromophenyl-phenylether
Concen: 0.363 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:248 Resp: 1575

Ion	Ratio	Lower	Upper
248	100		
250	88.5	80.2	120.4
141	92.3	60.5	90.7#



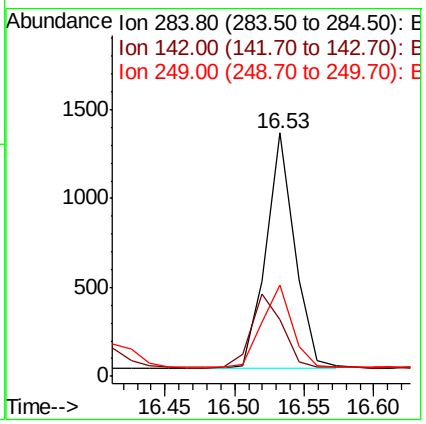


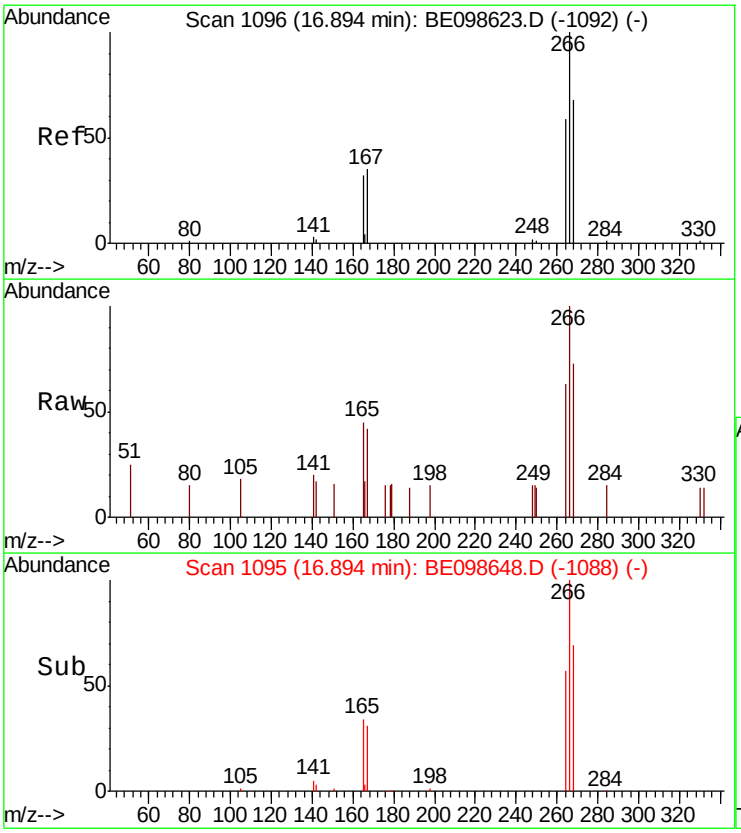
#21
Hexachlorobenzene
Concen: 0.365 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:284 Resp: 1909

Ion	Ratio	Lower	Upper
284	100		
142	34.2	25.5	38.3
249	36.1	26.6	39.8

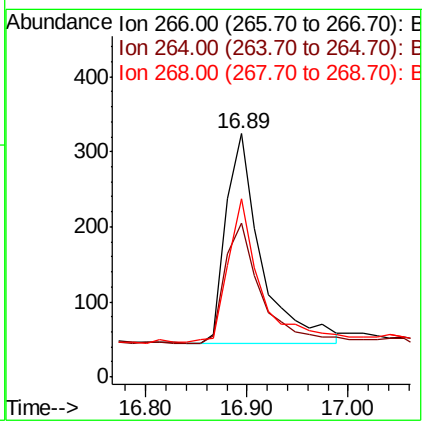


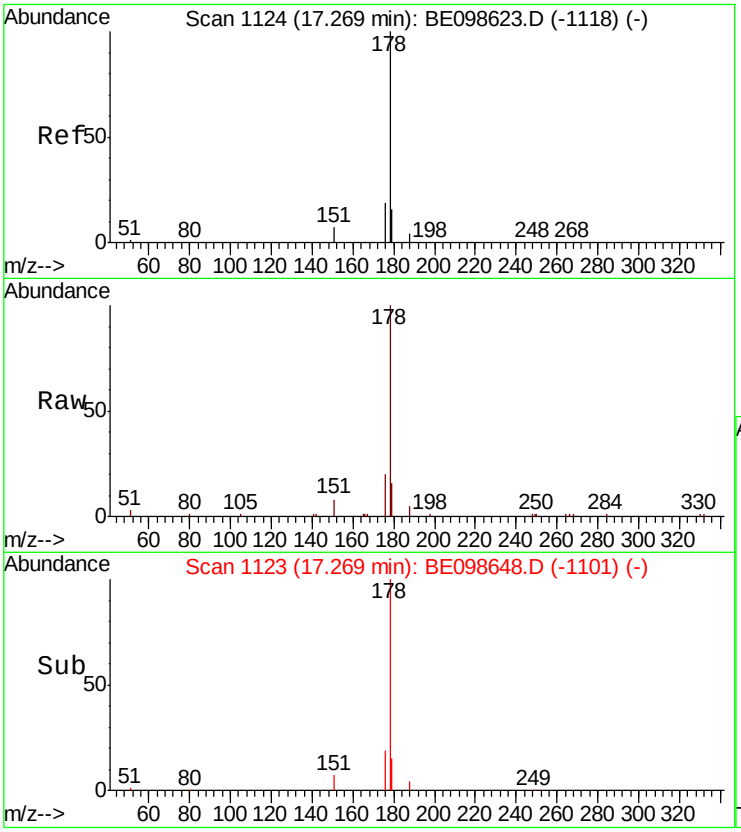


#22
Pentachlorophenol
Concen: 0.514 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:266 Resp: 672

Ion	Ratio	Lower	Upper
266	100		
264	63.3	53.7	80.5
268	73.1	59.8	89.8



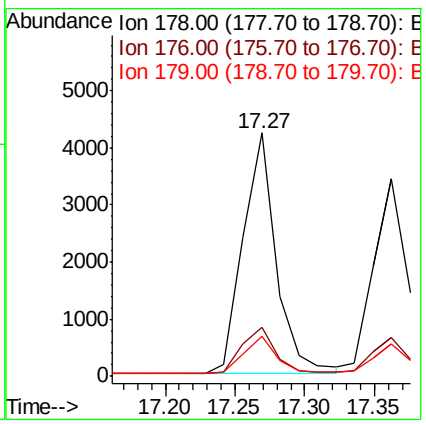


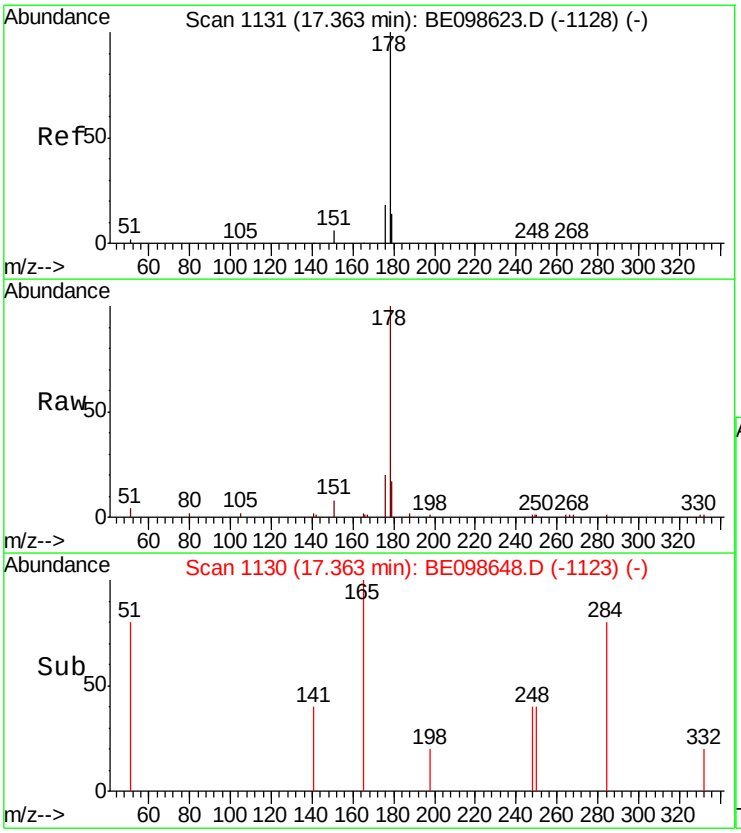
#23
Phenanthrene
Concen: 0.359 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:178 Resp: 6969

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.6	12.2	18.4

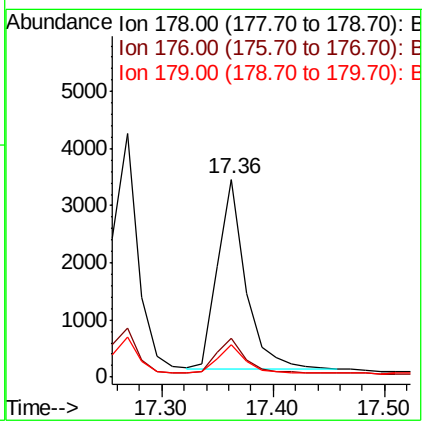


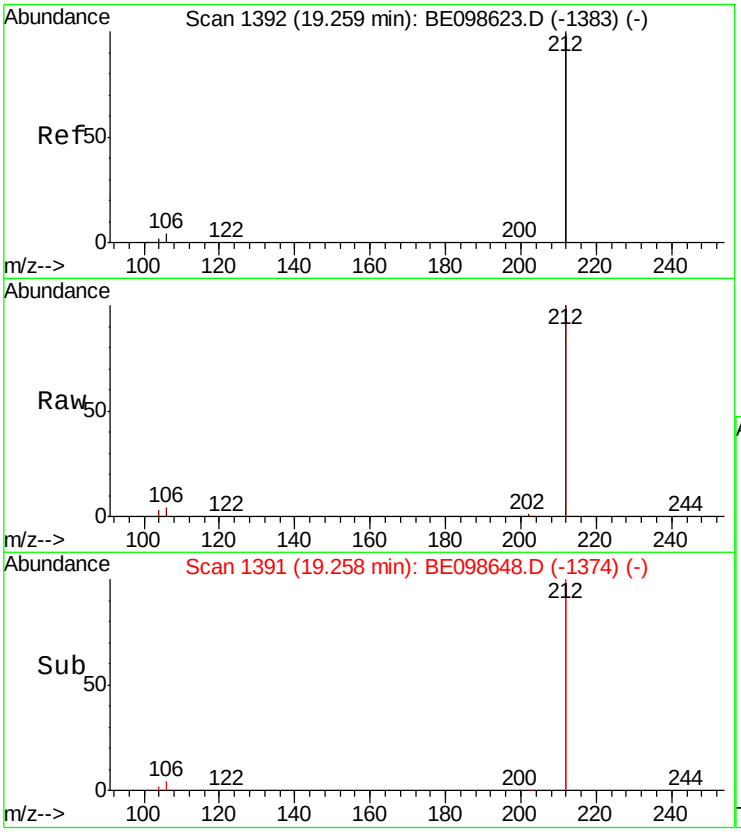


#24
Anthracene
Concen: 0.349 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:178 Resp: 5802

Ion	Ratio	Lower	Upper
178	100		
176	19.3	14.9	22.3
179	15.4	11.8	17.8



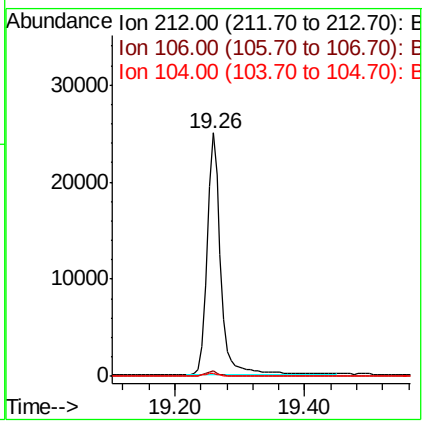


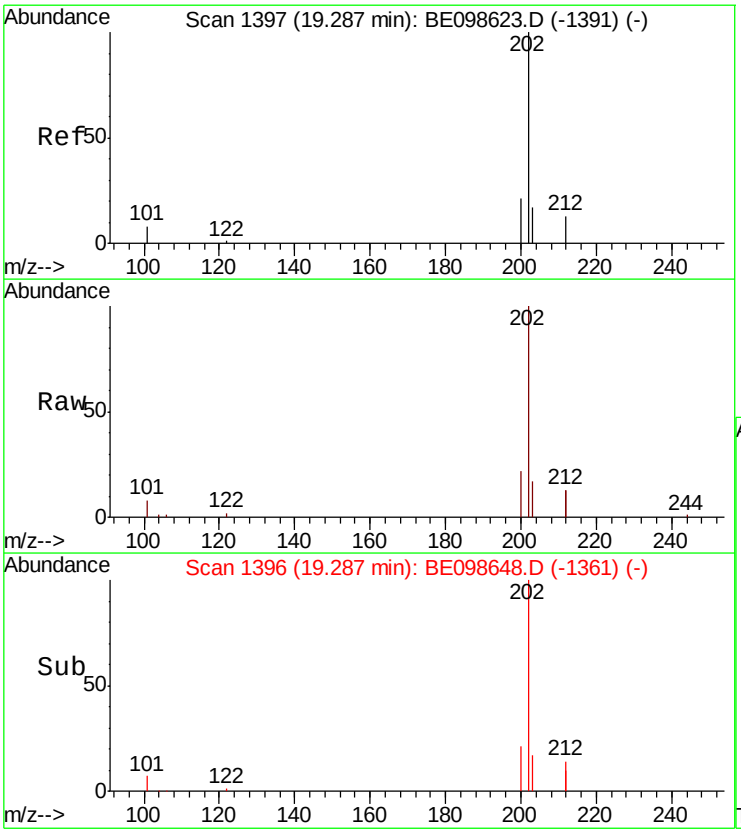
#25
Fluoranthene-d10
Concen: 0.363 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:212 Resp: 36820

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.7	2.5
104	1.1	1.0	1.6

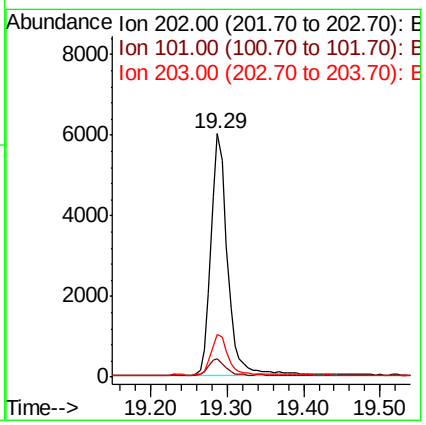


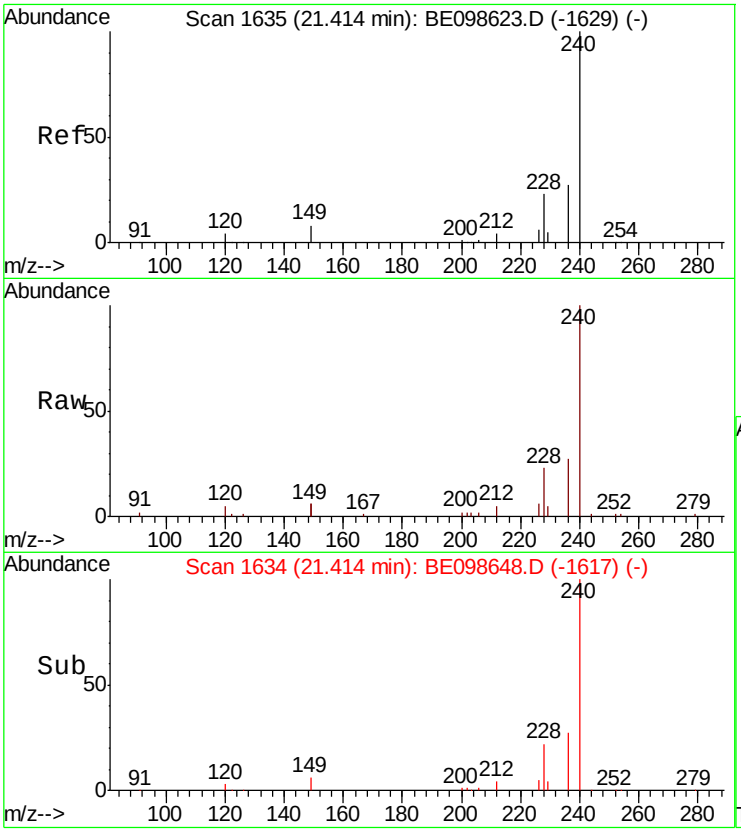


#26
Fluoranthene
Concen: 0.359 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:202 Resp: 8952

Ion	Ratio	Lower	Upper
202	100		
101	7.0	6.7	10.1
203	16.8	13.3	19.9



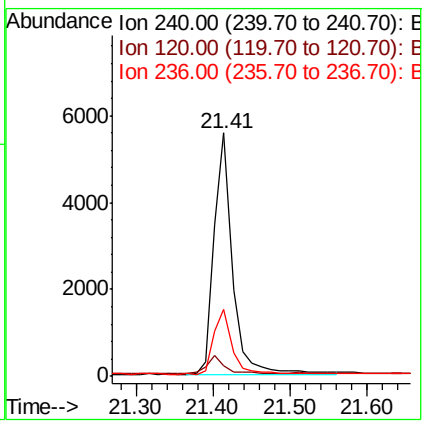


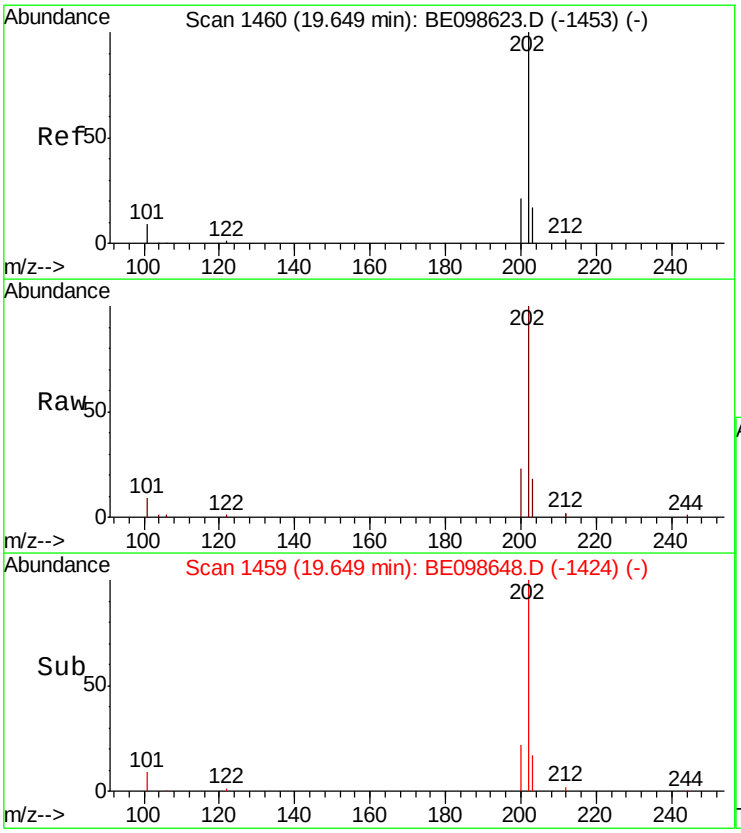
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:240 Resp: 9274

Ion	Ratio	Lower	Upper
240	100		
120	4.5	4.7	7.1#
236	27.5	21.9	32.9

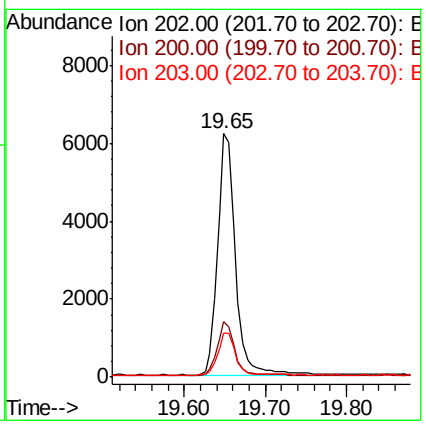


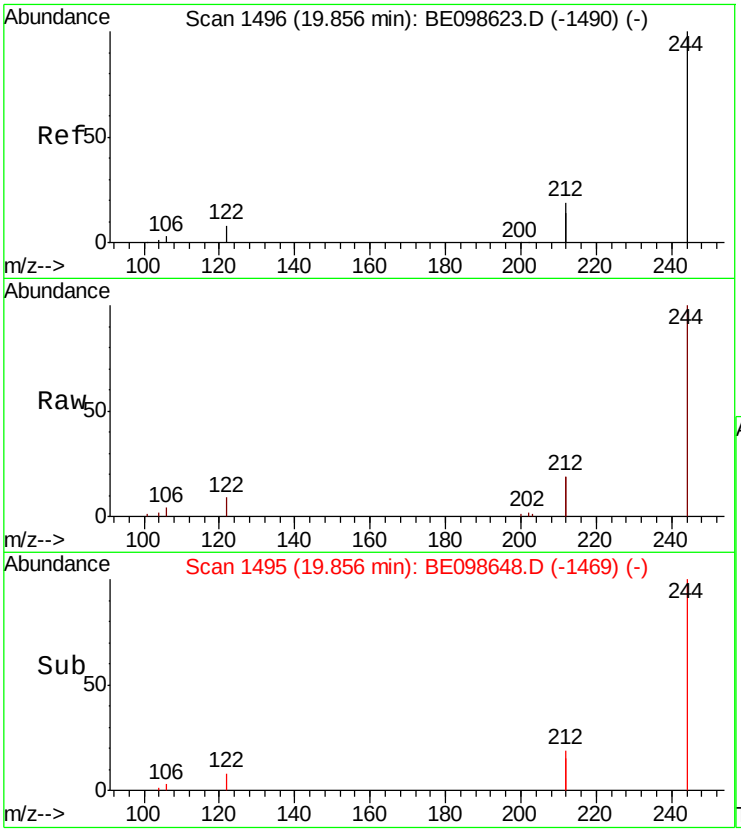


#28
Pyrene
Concen: 0.368 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:202 Resp: 9390

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.0	25.6
203	17.3	13.8	20.8



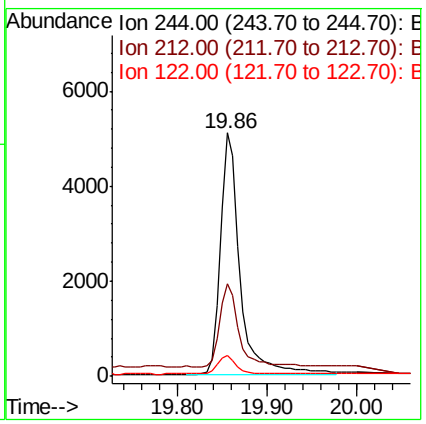


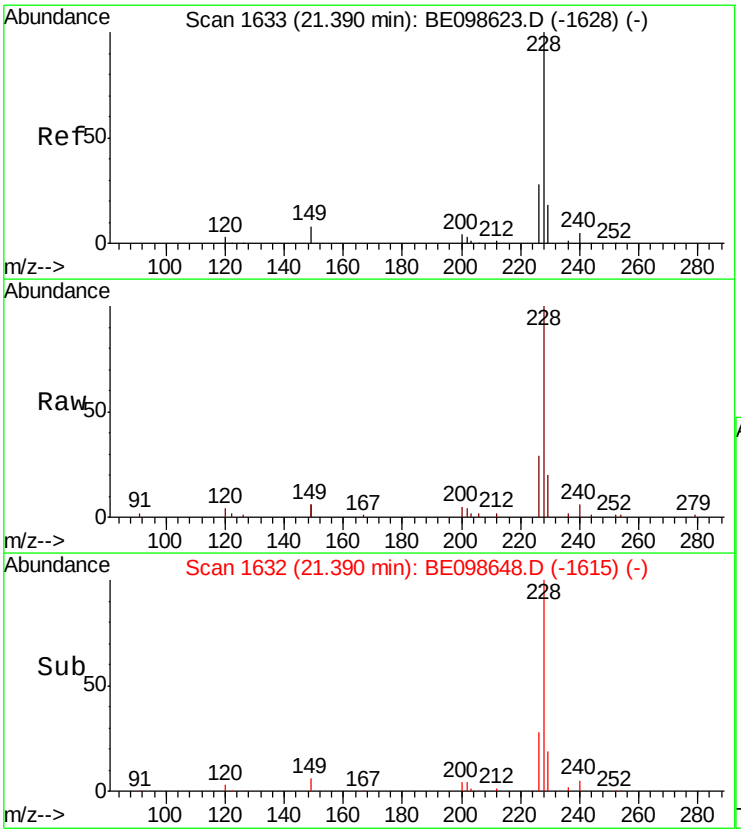
#29
Terphenyl-d14
Concen: 0.373 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:244 Resp: 7650

Ion	Ratio	Lower	Upper
244	100		
212	37.8	29.4	44.2
122	8.6	7.1	10.7

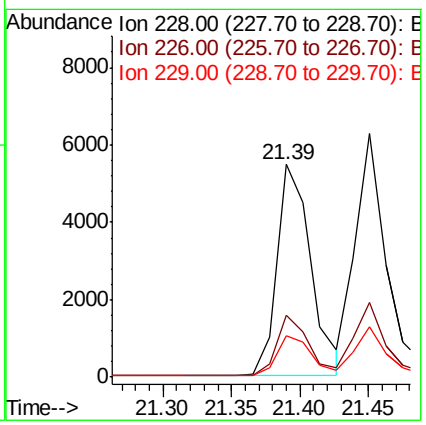


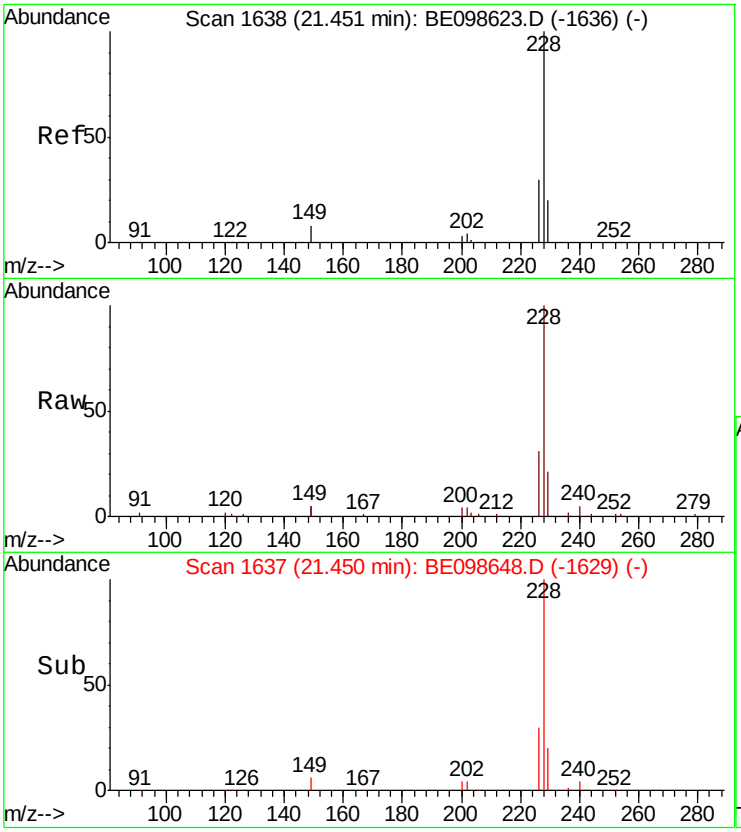


#30
Benzo(a)anthracene
Concen: 0.372 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:228 Resp: 9278

Ion	Ratio	Lower	Upper
228	100		
226	28.9	23.0	34.4
229	19.6	15.0	22.6



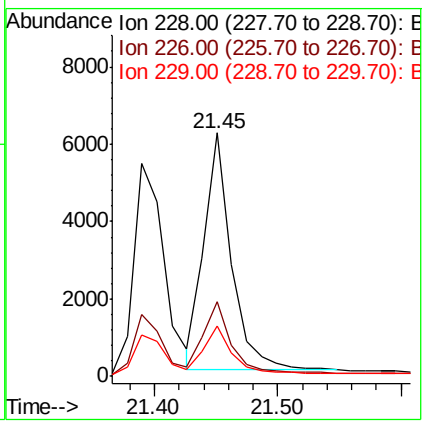


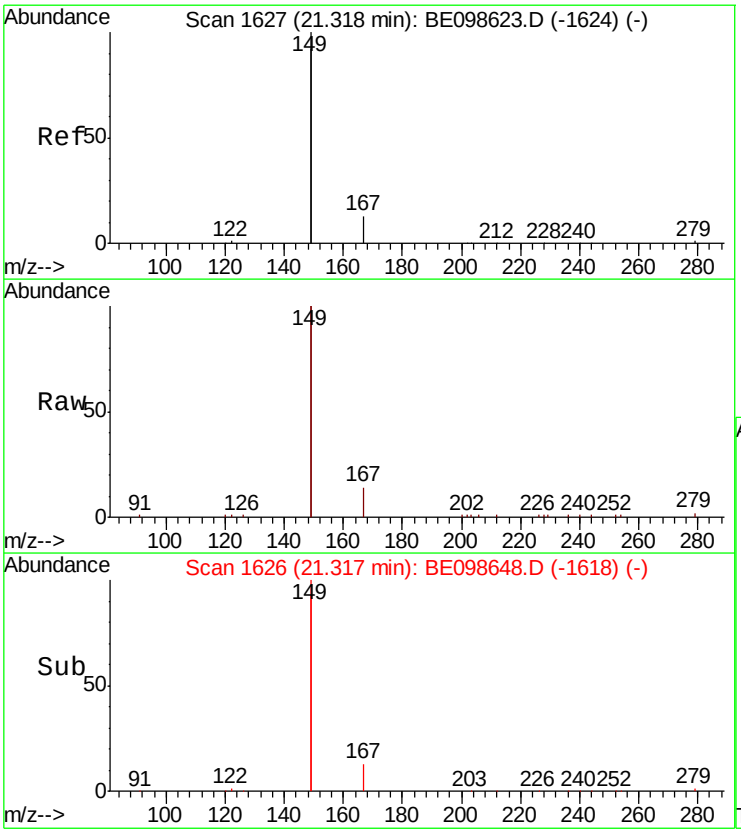
#31
Chrysene
Concen: 0.367 ng
RT: 21.45 min Scan# 1637
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:228 Resp: 9491

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.6	36.8
229	20.6	16.4	24.6

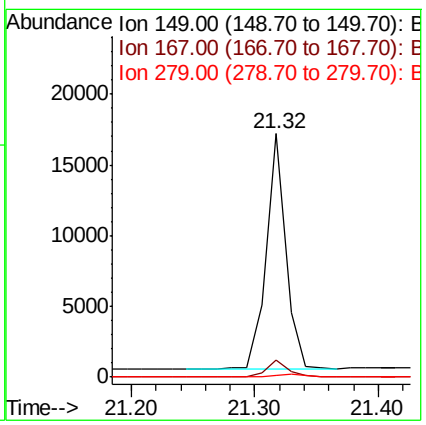


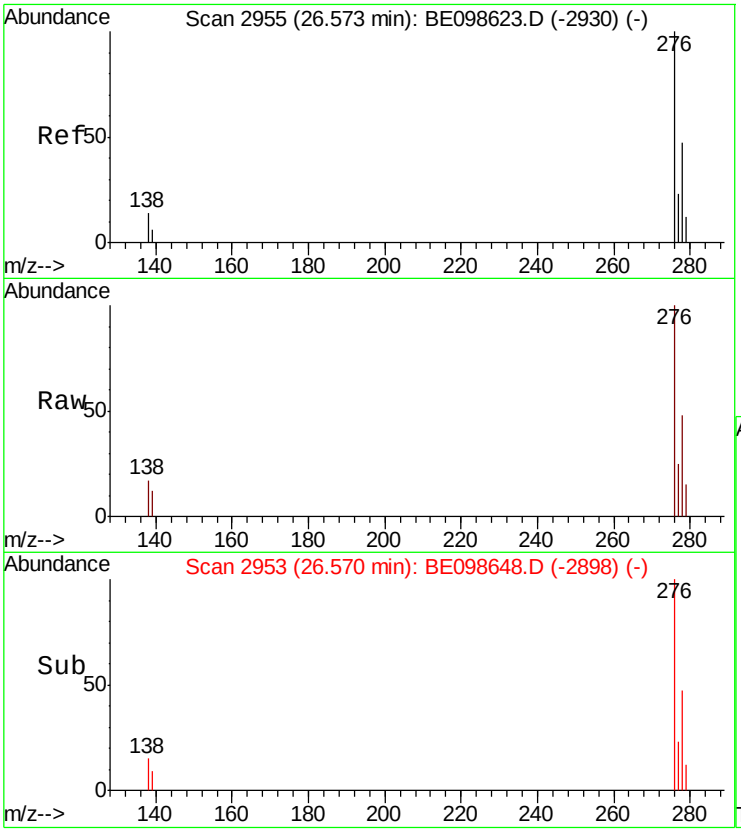


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:149 Resp: 18628

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.4	8.2
279	1.2	1.0	1.4



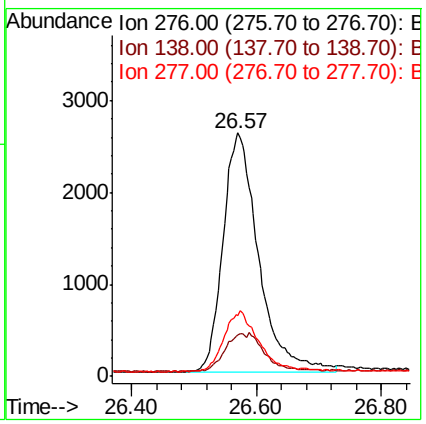


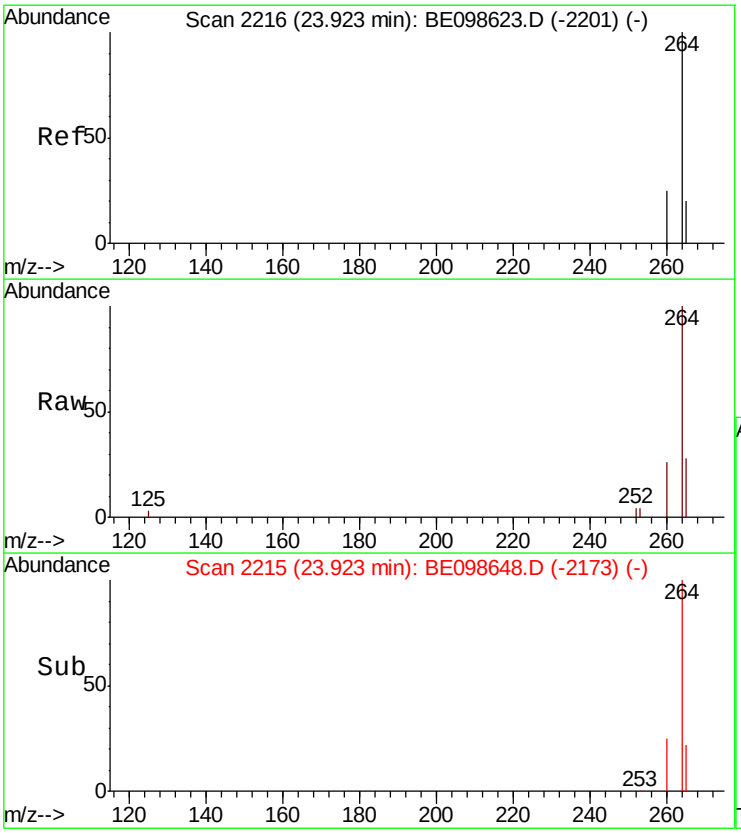
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.387 ng
RT: 26.57 min Scan# 2953
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:276 Resp: 10310

Ion	Ratio	Lower	Upper
276	100		
138	9.8	13.3	19.9#
277	24.0	19.4	29.0

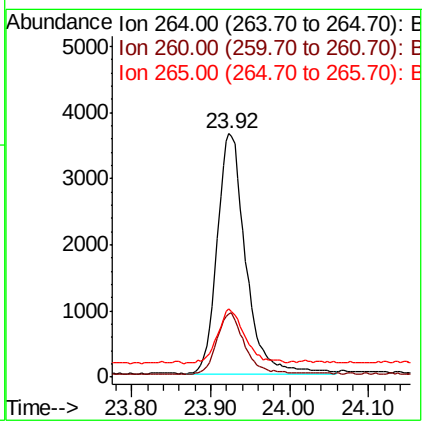


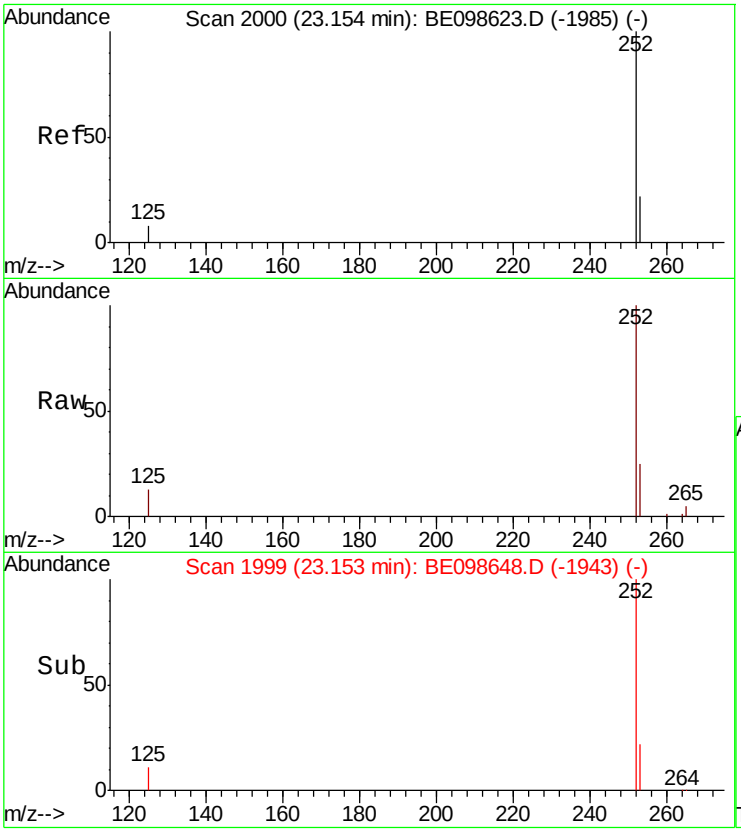


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2215
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:264 Resp: 9074

Ion	Ratio	Lower	Upper
264	100		
260	25.9	20.5	30.7
265	28.1	22.3	33.5



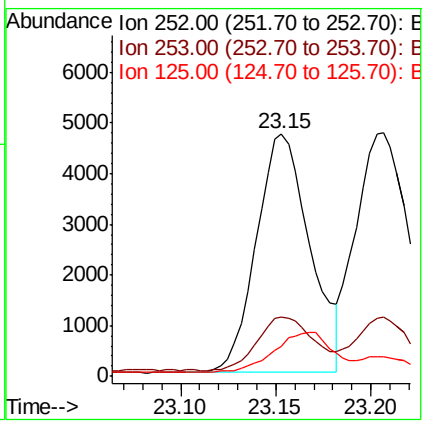


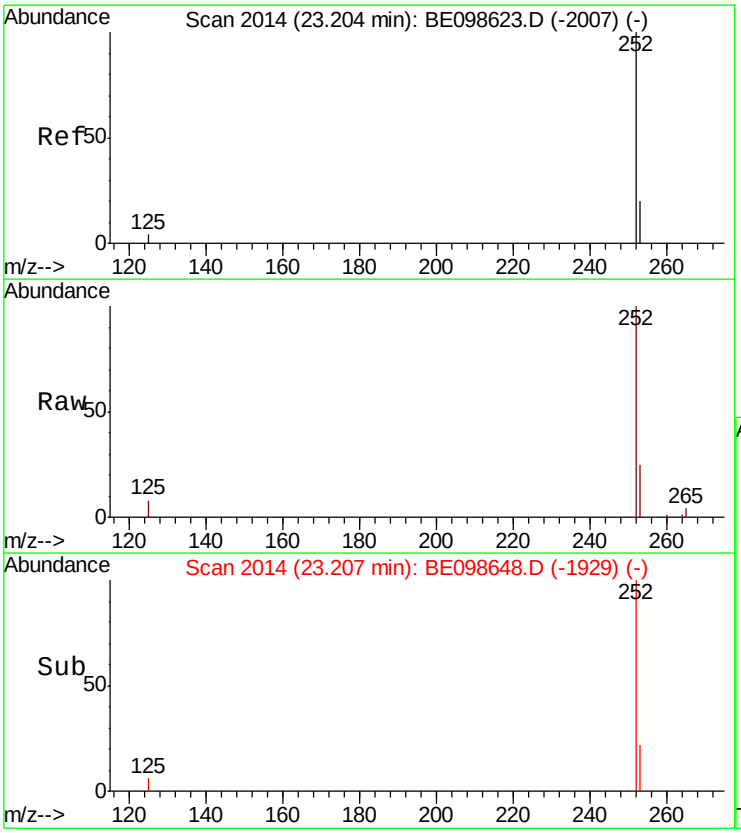
#35
Benzo(b)fluoranthene
Concen: 0.373 ng
RT: 23.15 min Scan# 1999
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:252 Resp: 9230

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.0
125	12.5	8.2	12.4#

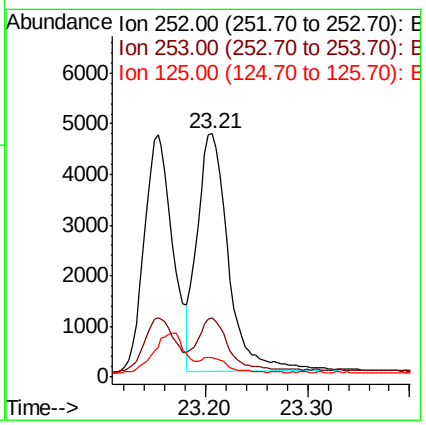


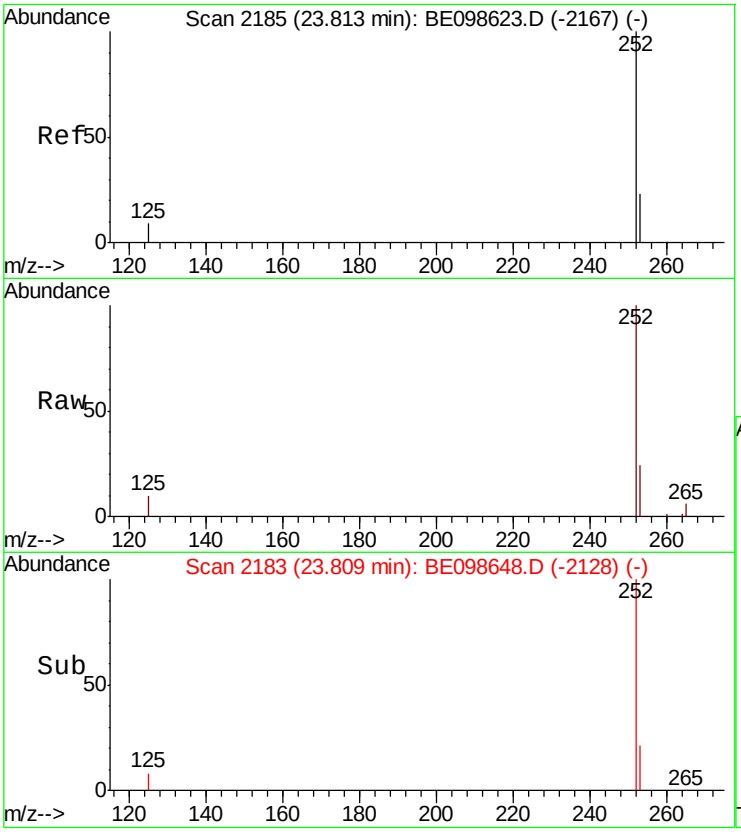


#36
Benzo(k)fluoranthene
Concen: 0.369 ng
RT: 23.21 min Scan# 2014
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:252 Resp: 9977

Ion	Ratio	Lower	Upper
252	100		
253	24.5	19.0	28.4
125	7.8	7.0	10.4



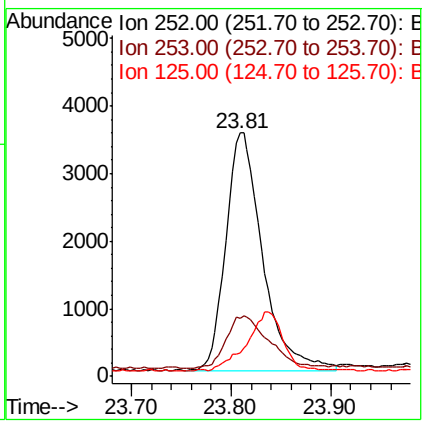


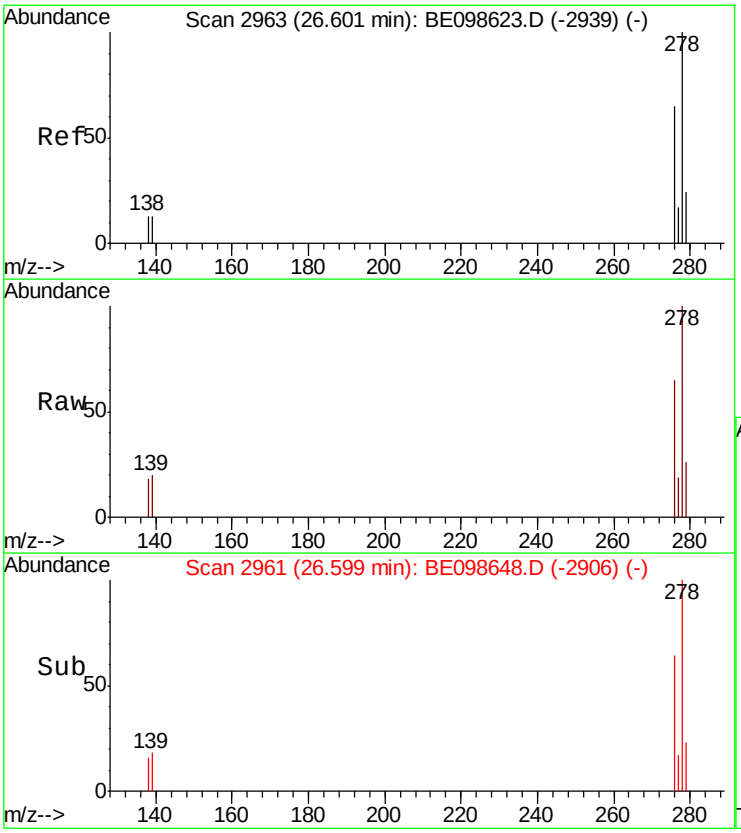
#37
Benzo(a)pyrene
Concen: 0.369 ng
RT: 23.81 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:252 Resp: 8980

Ion	Ratio	Lower	Upper
252	100		
253	23.8	21.0	31.4
125	9.8	9.2	13.8

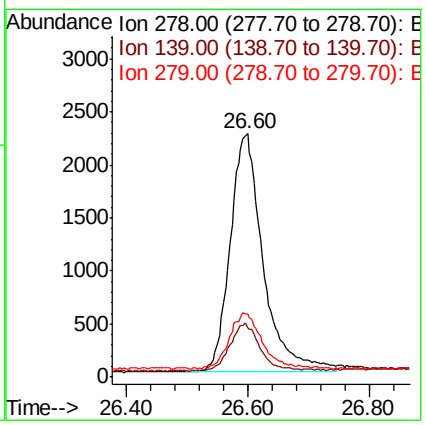


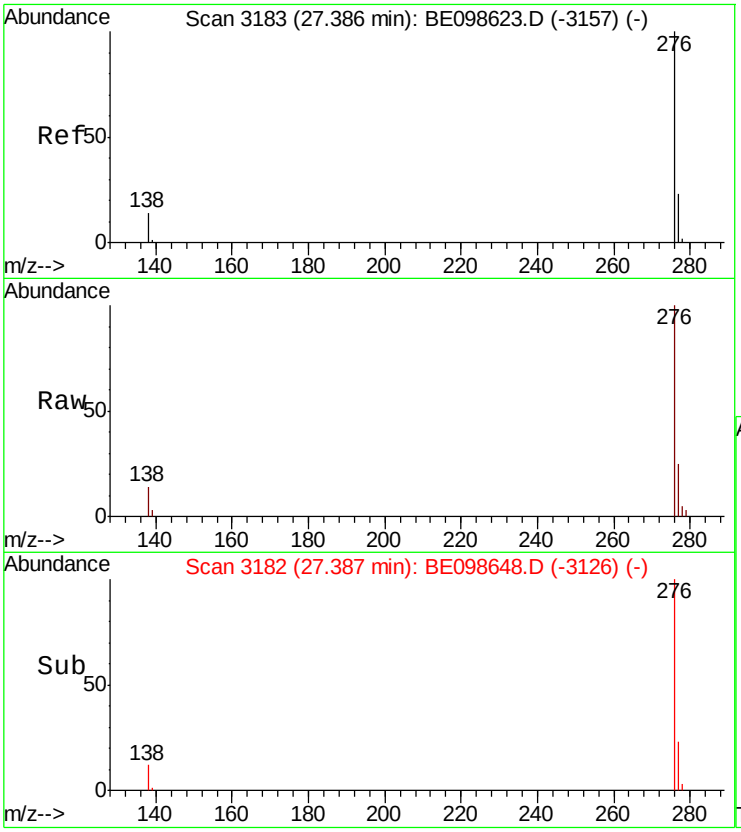


#38
Dibenzo(a,h)anthracene
Concen: 0.394 ng
RT: 26.60 min Scan# 2961
Delta R.T. -0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Tgt Ion:278 Resp: 8491

Ion	Ratio	Lower	Upper
278	100		
139	20.0	12.7	19.1#
279	26.1	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 27.39 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BE098648.D
Acq: 17 Jan 2019 10:32

Instrument :
BNA_E
ClientSampleId :
PB116433BSD

Tgt Ion:276 Resp: 8767

Ion	Ratio	Lower	Upper
276	100		
277	24.8	20.3	30.5
138	14.2	13.3	19.9