Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE011819\
Data File : BE098663.D
Acq On : 18 Jan 2019 8:34
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jan 18 11:37:44 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	7.81	152	934	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	4428	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	3029	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	7286	0.40	ng		0.00
27) Chrysene-d12	21.41	240	8384	0.40	ng		0.00
34) Perylene-d12	23.93	264	8033	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	987	0.40	ng		0.00
5) Phenol-d6	6.99	99	1405	0.40	ng		0.00
8) Nitrobenzene-d5	8.98	82	1512	0.43	ng		0.01
11) 2-Methylnaphthalene-d10	12.21	152	2666	0.37	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	509	0.39	ng		0.00
15) 2-Fluorobiphenyl	13.10	172	4188	0.34	ng		0.01
25) Fluoranthene-d10	19.26	212	32585	0.36	ng		0.00
29) Terphenyl-d14	19.86	244	6576	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.30	88	686	0.398	ng		96
3) n-Nitrosodimethylamine	3.65	42	461	0.360	ng	#	92
6) bis(2-Chloroethyl)ether	7.24	93	985	0.367	ng		88
9) Naphthalene	10.65	128	16077	0.365	ng		100
10) Hexachlorobutadiene	10.94	225	1254	0.397	ng		96
12) 2-Methylnaphthalene	12.28	142	2637	0.361	ng		93
16) Acenaphthylene	14.20	152	4621	0.352	ng		99
17) Acenaphthene	14.54	154	2899	0.352	ng		97
18) Fluorene	15.51	166	3891	0.363	ng		100
20) 4-Bromophenyl-phenylether	16.41	248	1338	0.347	ng	#	84
21) Hexachlorobenzene	16.53	284	1669	0.358	ng		95
22) Pentachlorophenol	16.89	266	554	0.491	ng		94
23) Phenanthrene	17.27	178	6148	0.356	ng		99
24) Anthracene	17.36	178	4913	0.332	ng		99
26) Fluoranthene	19.29	202	7887	0.355	ng		99
28) Pyrene	19.65	202	8176	0.354	ng		99
30) Benzo(a)anthracene	21.39	228	8057	0.358	ng		98
31) Chrysene	21.45	228	8323	0.356	ng		99
32) Bis(2-ethylhexyl)phthalate	21.32	149	15546	0.325	ng		100
33) Indeno(1,2,3-cd)pyrene	26.57	276	8997	0.373	ng		99
35) Benzo(b)fluoranthene	23.15	252	7737	0.353	ng		98
36) Benzo(k)fluoranthene	23.20	252	9085	0.379	ng		99
37) Benzo(a)pyrene	23.81	252	7827	0.364	ng		97
38) Dibenzo(a,h)anthracene	26.59	278	7380	0.387	ng		97
39) Benzo(g,h,i)perylene	27.39	276	7614	0.364	ng		98

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

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Acq On : 18 Jan 2019 8:34
Operator : SJ/JU
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Misc :
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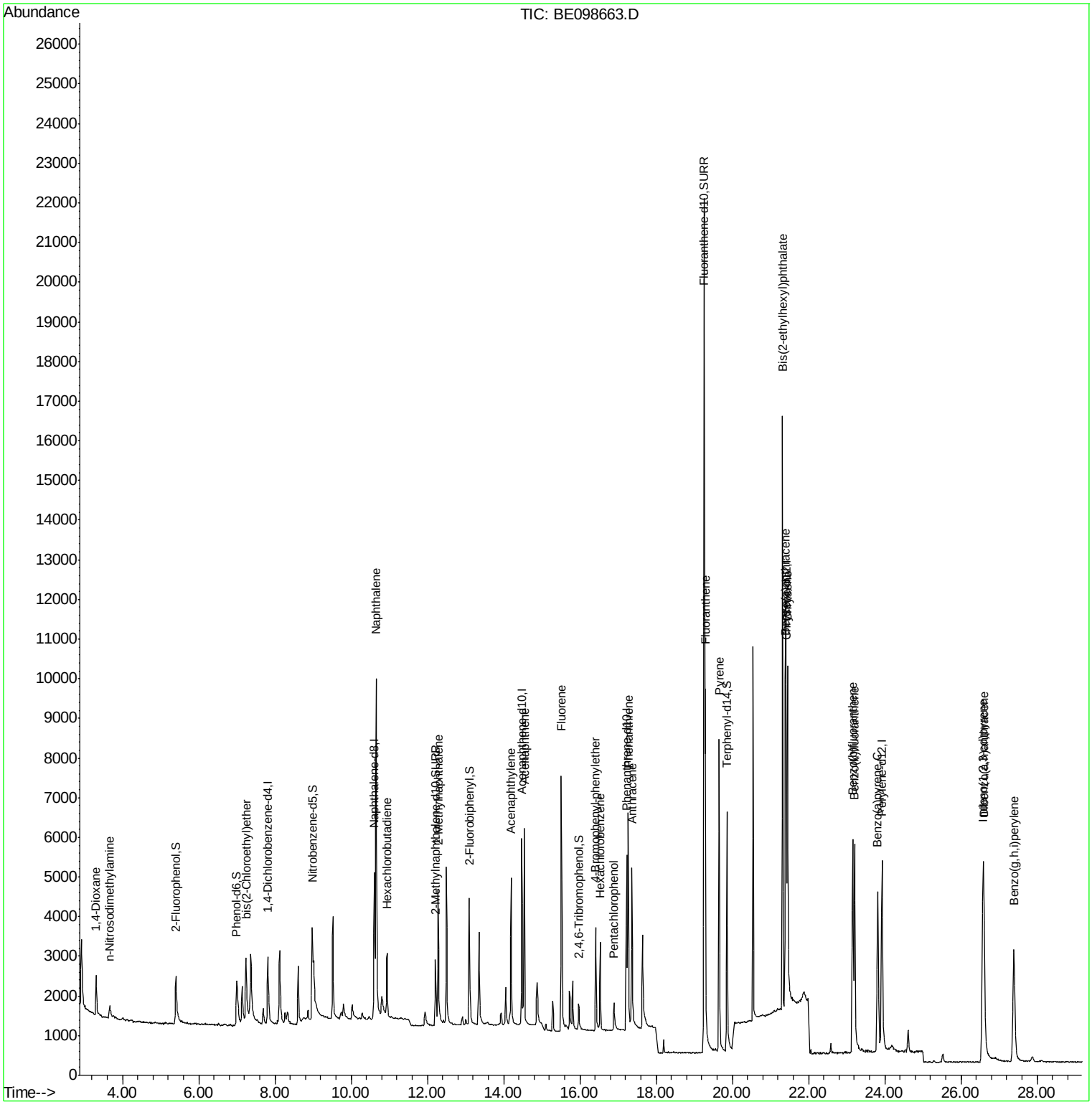
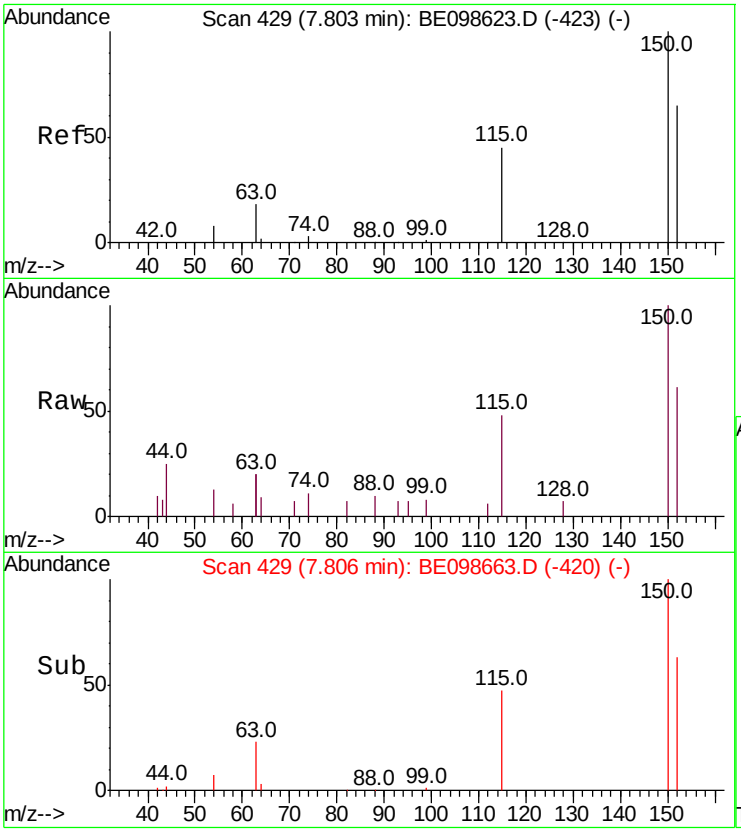
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 18 11:37:44 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



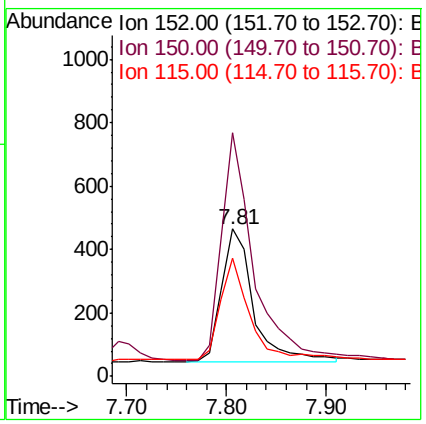


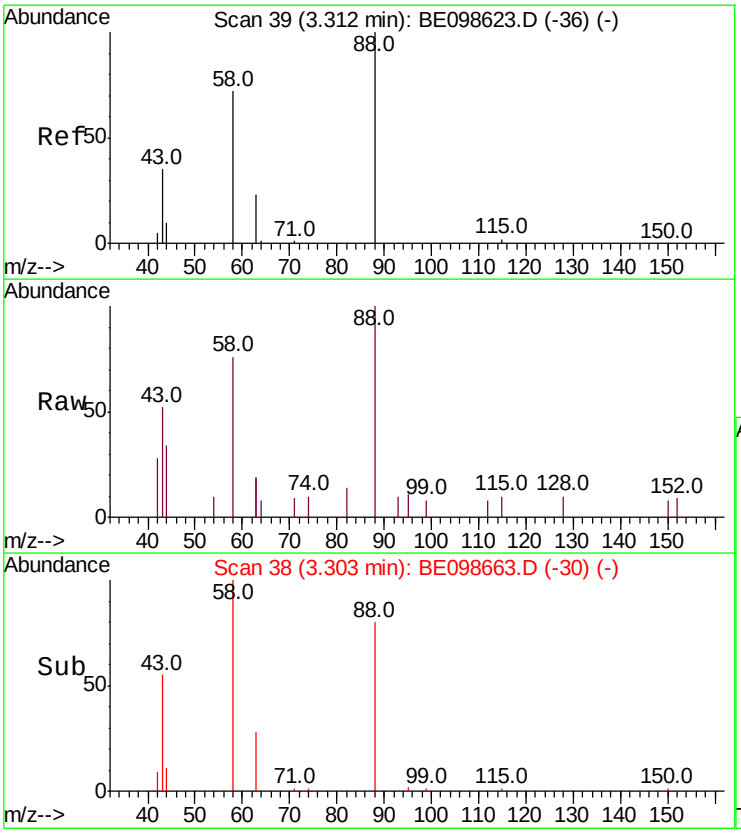
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 934

Ion	Ratio	Lower	Upper
152	100		
150	165.2	121.4	182.2
115	79.8	59.1	88.7

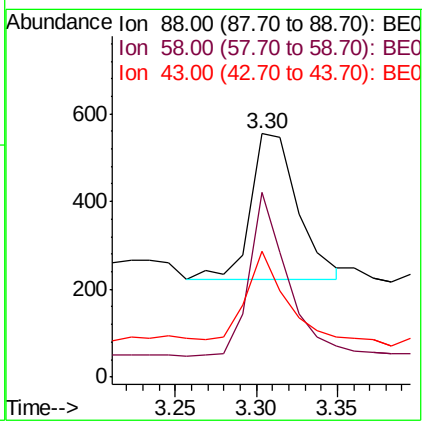


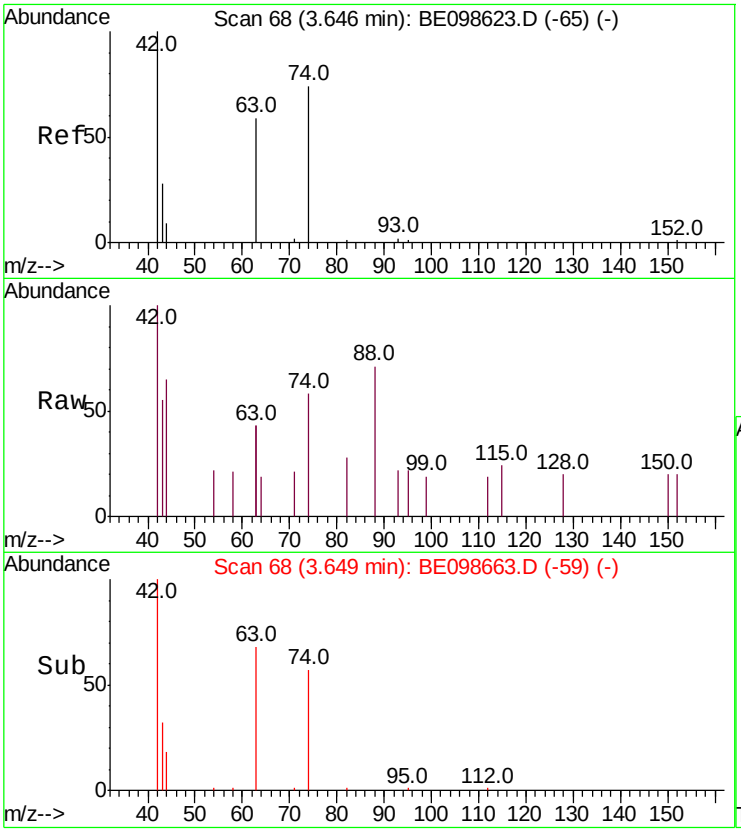


#2
1,4-Dioxane
Concen: 0.398 ng
RT: 3.30 min Scan# 38
Delta R.T. -0.01 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion: 88 Resp: 686

Ion	Ratio	Lower	Upper
88	100		
58	90.2	73.9	110.9
43	49.3	43.7	65.5



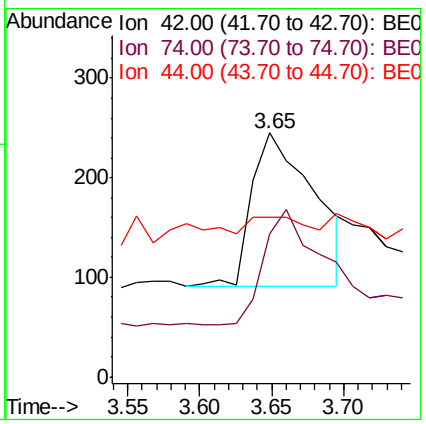


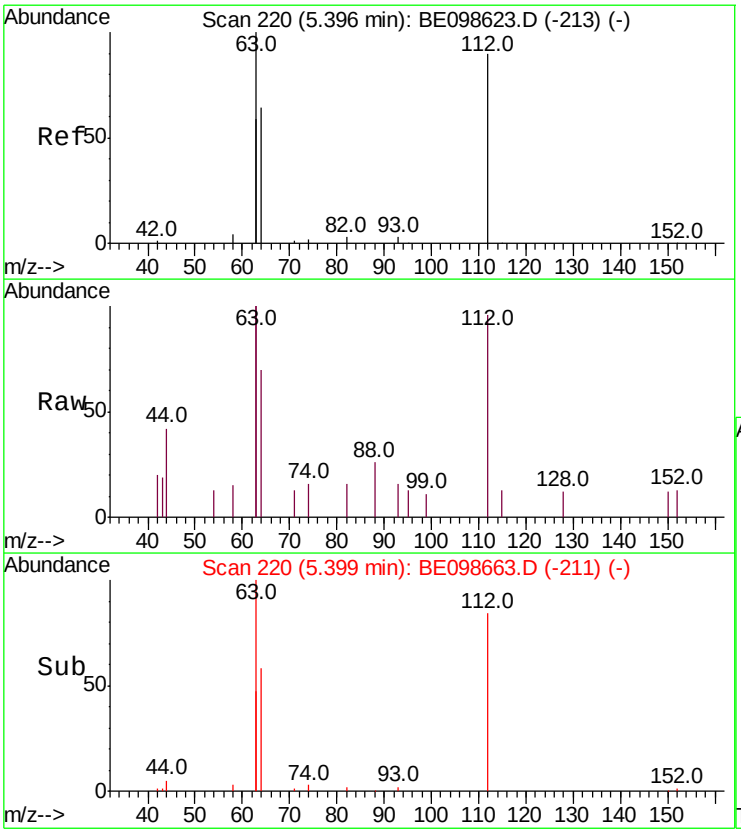
#3
n-Nitrosodimethylamine
Concen: 0.360 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 461

Ion	Ratio	Lower	Upper
42	100		
74	67.2	58.9	88.3
44	0.0	0.0	0.0

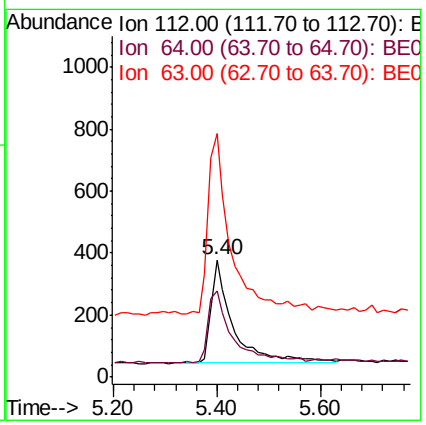


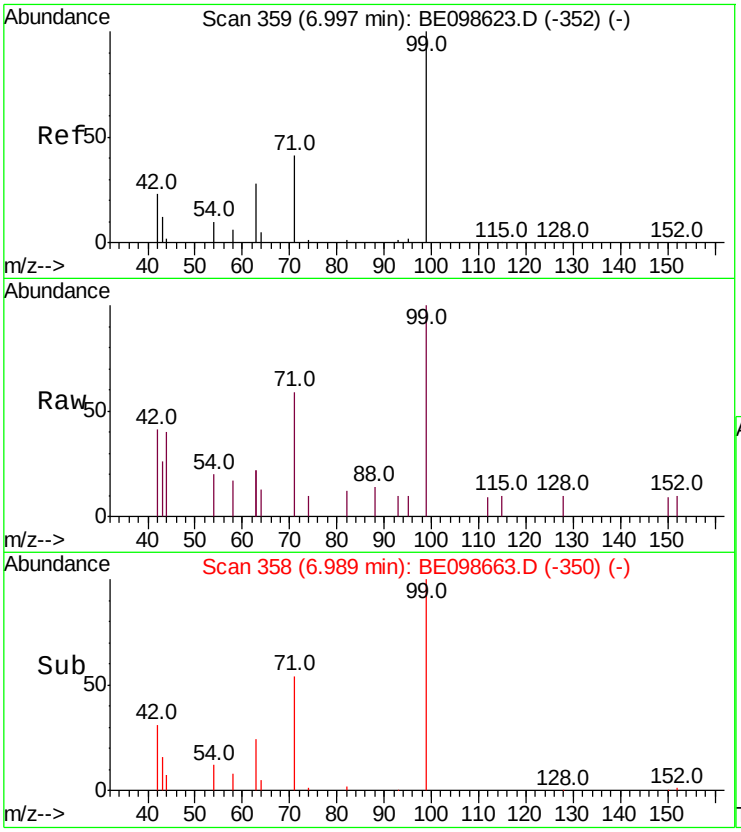


#4
2-Fluorophenol
Concen: 0.396 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:112 Resp: 987

Ion	Ratio	Lower	Upper
112	100		
64	76.9	62.9	94.3
63	186.1	152.2	228.4



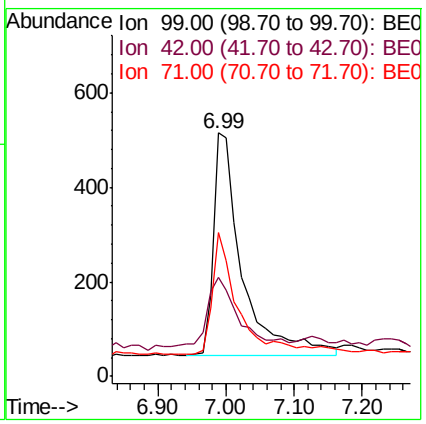


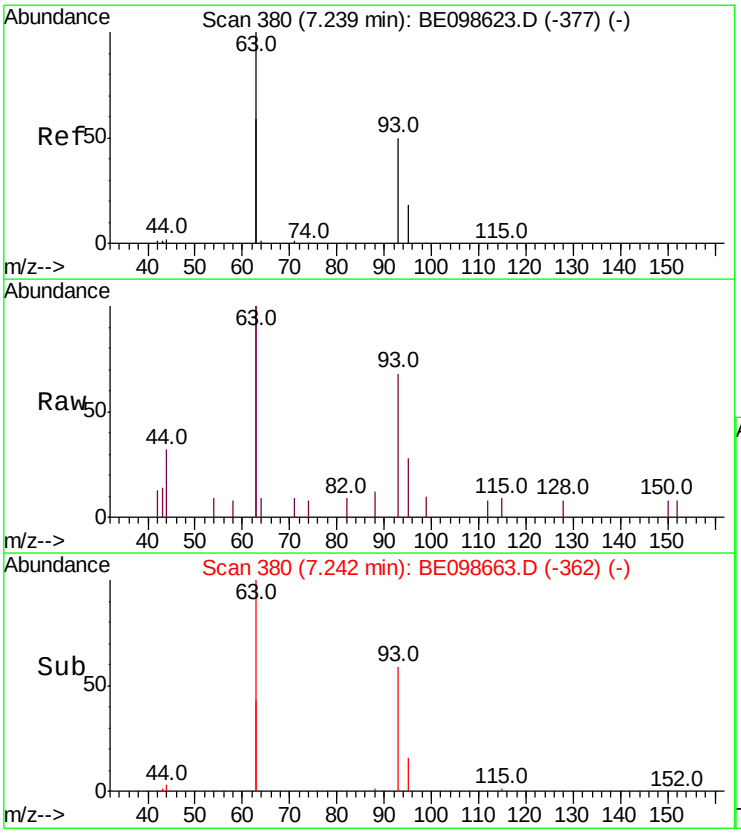
#5
Phenol-d6
Concen: 0.396 ng
RT: 6.99 min Scan# 358
Delta R.T. -0.01 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 1405

Ion	Ratio	Lower	Upper
99	100		
42	32.4	24.6	37.0
71	51.9	35.1	52.7

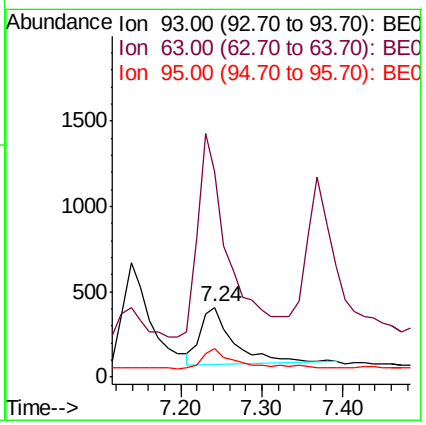


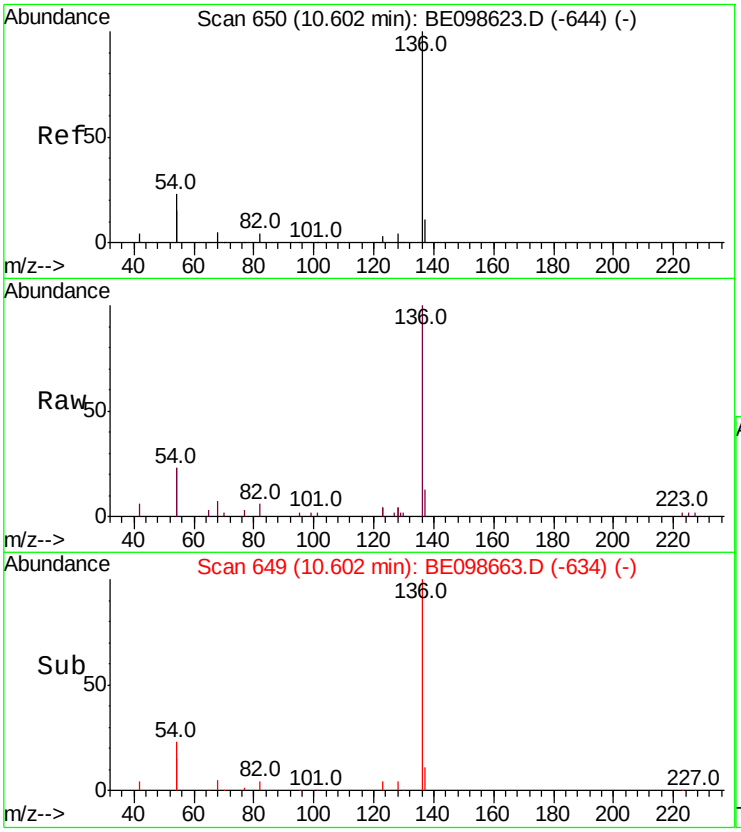


#6
bis(2-Chloroethyl)ether
Concen: 0.367 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion: 93 Resp: 985

Ion	Ratio	Lower	Upper
93	100		
63	306.8	267.3	400.9
95	36.6	26.2	39.4



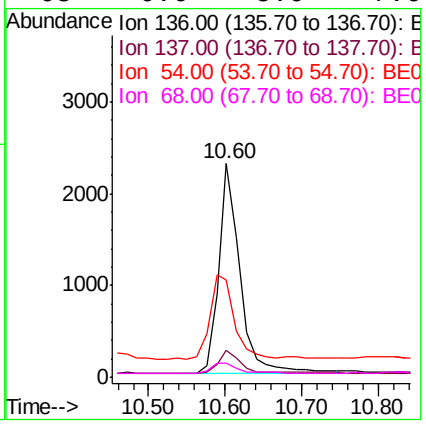


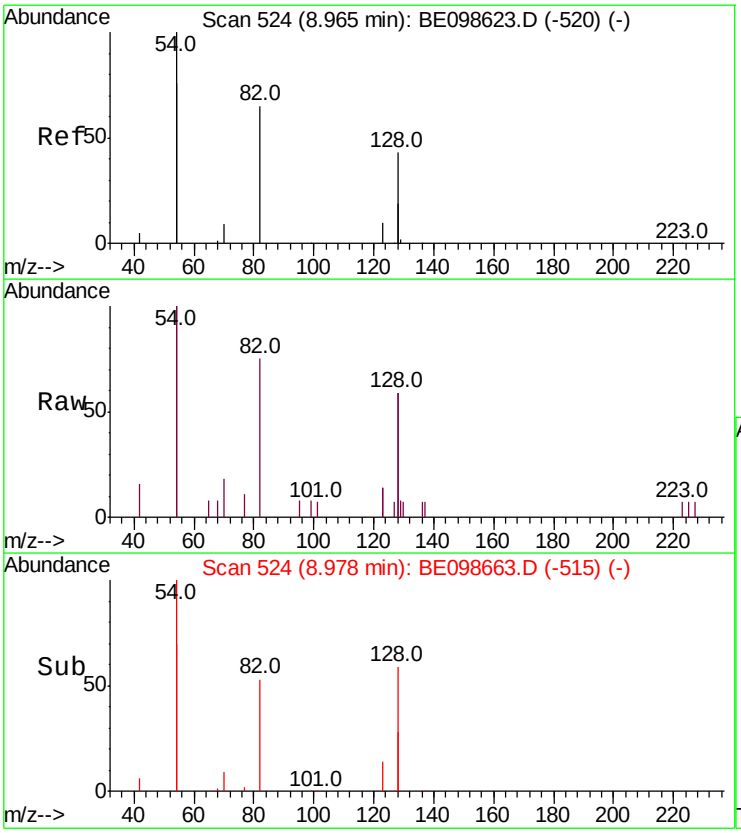
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 4428

Ion	Ratio	Lower	Upper
136	100		
137	12.6	9.7	14.5
54	45.8	35.5	53.3
68	6.6	5.0	7.6

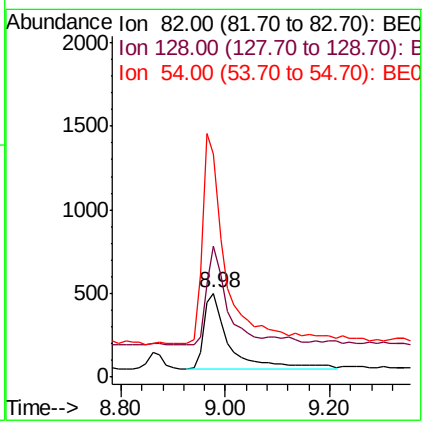


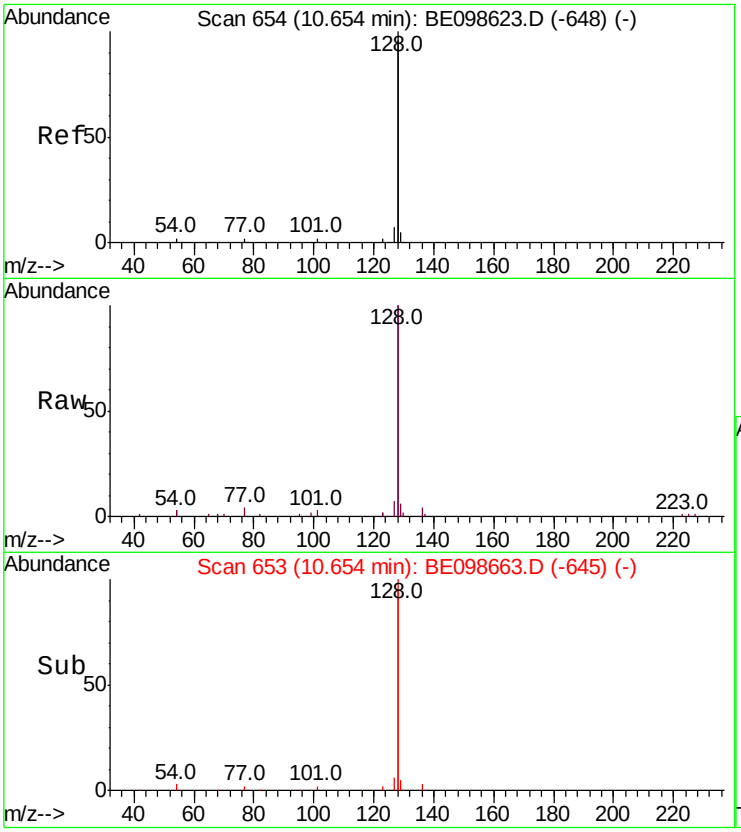


#8
Nitrobenzene-d5
Concen: 0.431 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.01 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion: 82 Resp: 1512

Ion	Ratio	Lower	Upper
82	100		
128	155.7	96.5	144.7#
54	265.9	224.7	337.1



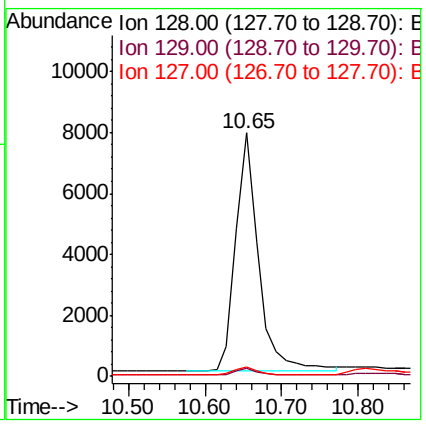


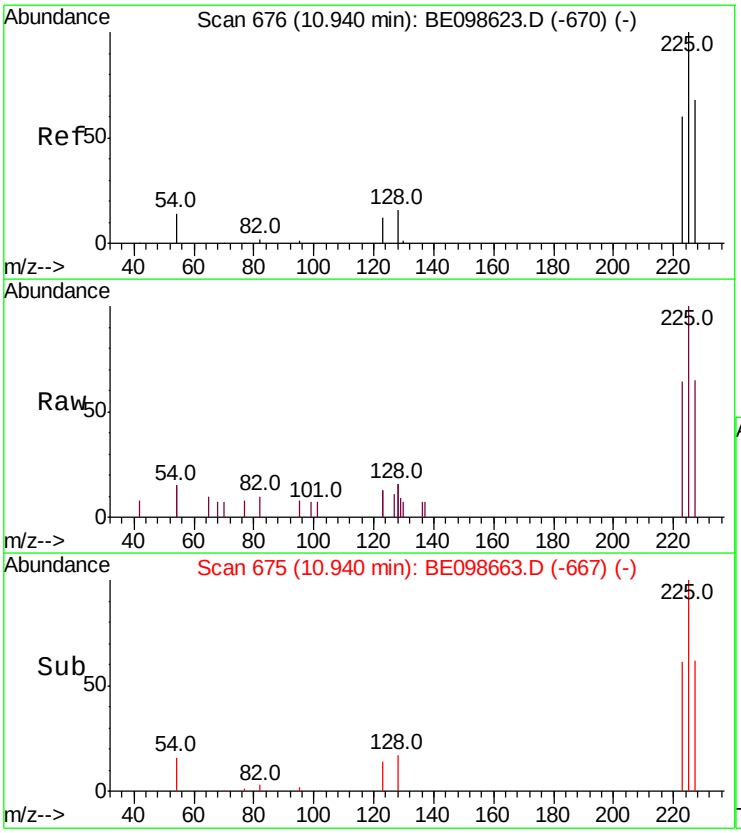
#9
Naphthalene
Concen: 0.365 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 16077

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.6	3.8
127	3.7	3.0	4.6

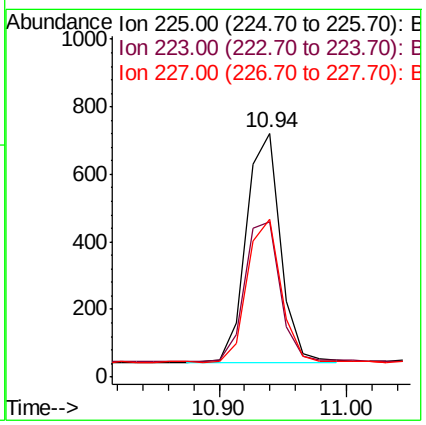


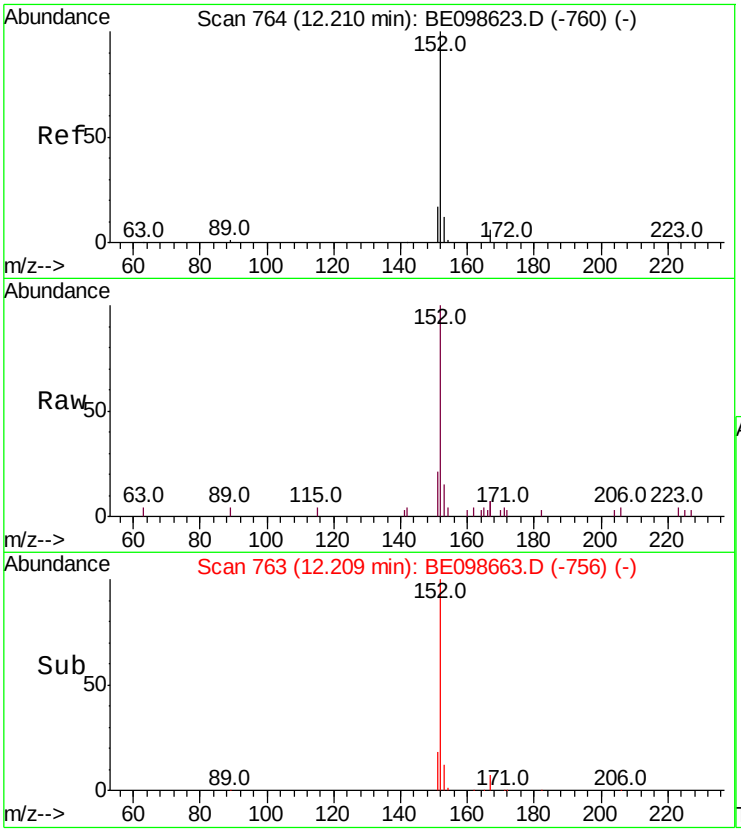


#10
Hexachlorobutadiene
Concen: 0.397 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:225 Resp: 1254

Ion	Ratio	Lower	Upper
225	100		
223	63.4	47.8	71.8
227	60.8	50.5	75.7



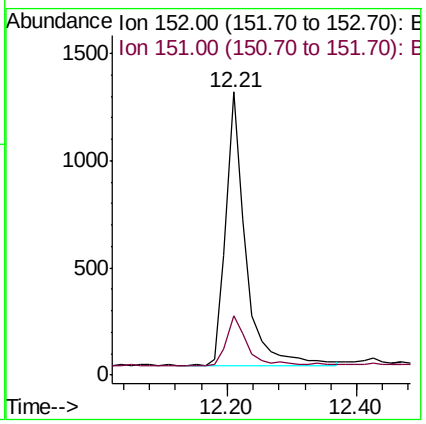


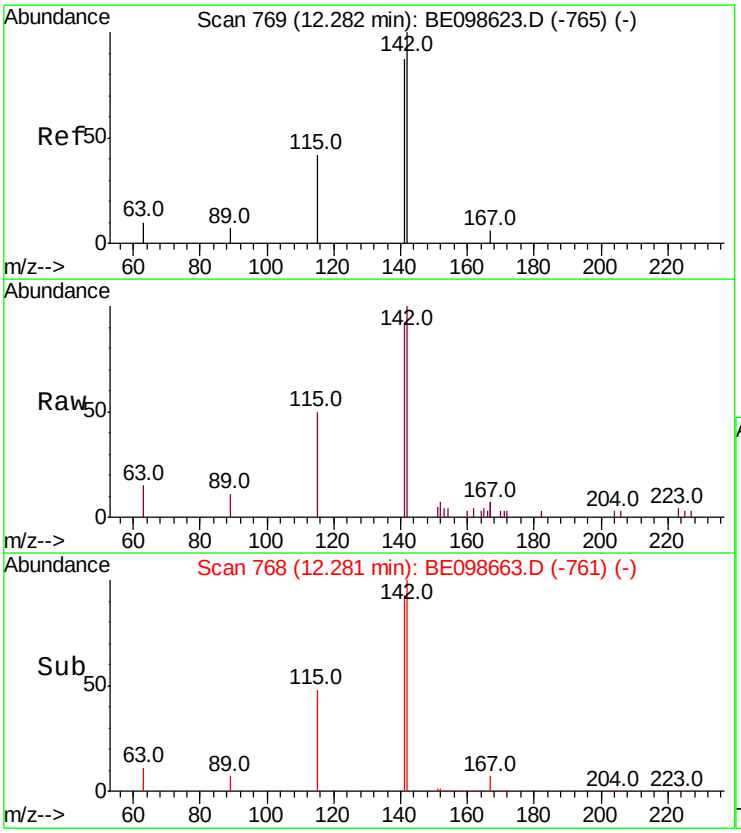
#11
2-Methylnaphthalene-d10
Concen: 0.366 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2666

Ion	Ratio	Lower	Upper
152	100		
151	18.6	16.2	24.4

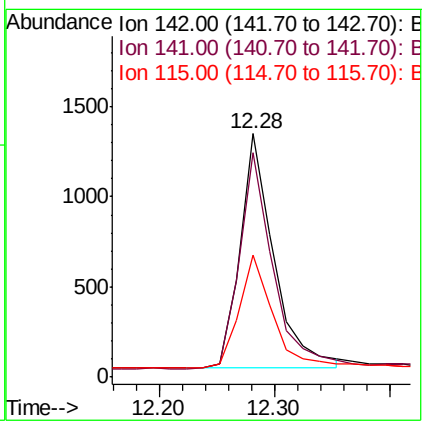


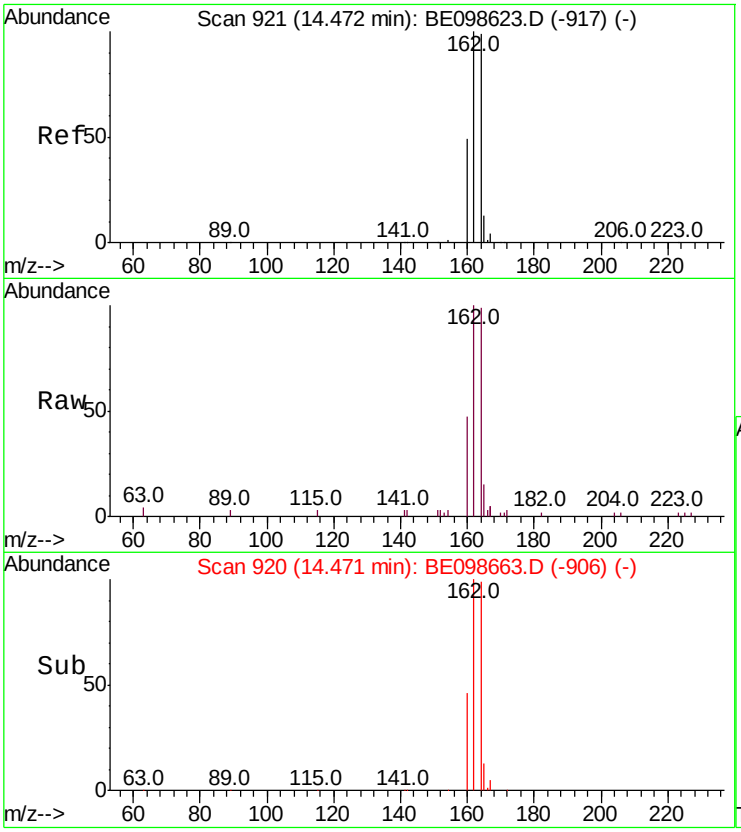


#12
2-Methylnaphthalene
Concen: 0.361 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:142 Resp: 2637

Ion	Ratio	Lower	Upper
142	100		
141	92.4	70.0	105.0
115	50.1	35.2	52.8



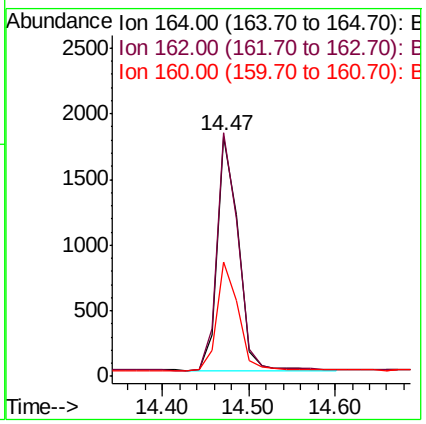


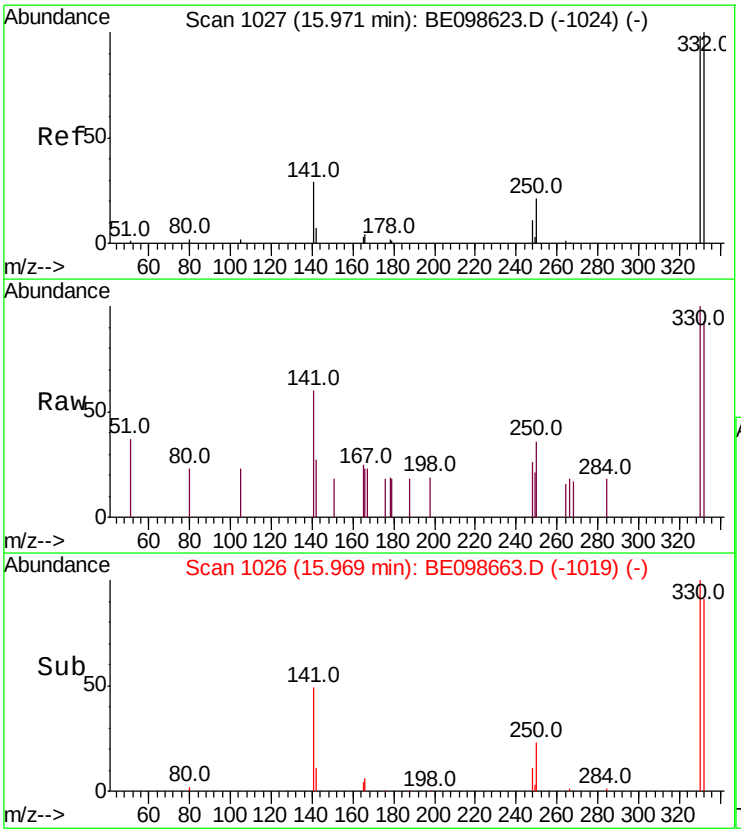
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 3029

Ion	Ratio	Lower	Upper
164	100		
162	101.5	80.5	120.7
160	47.8	40.1	60.1

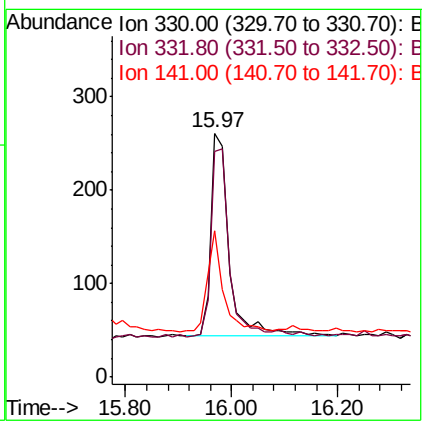


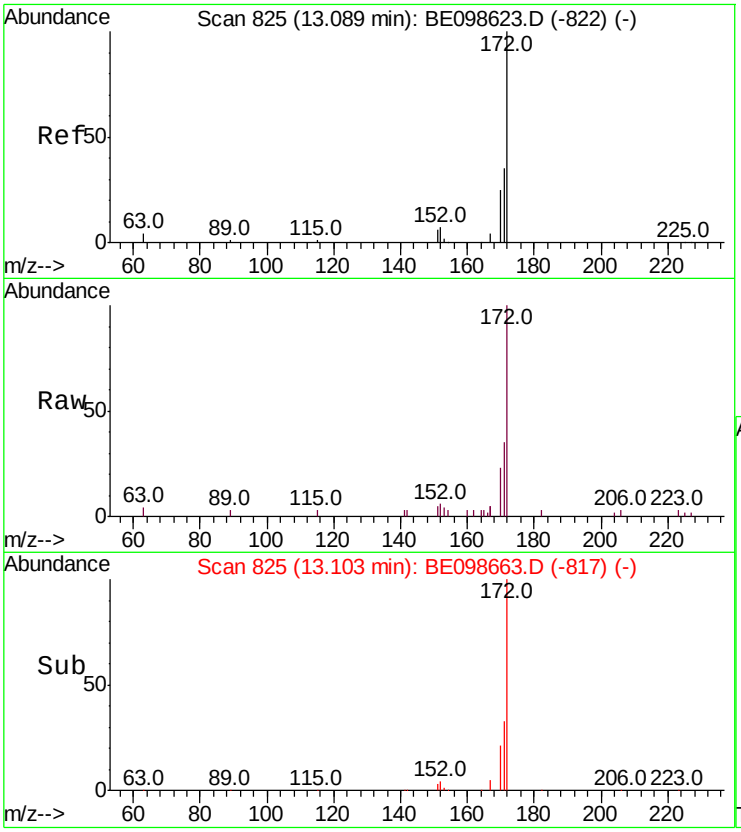


#14
2,4,6-Tribromophenol
Concen: 0.386 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:330 Resp: 509

Ion	Ratio	Lower	Upper
330	100		
332	91.7	73.3	109.9
141	45.2	33.1	49.7



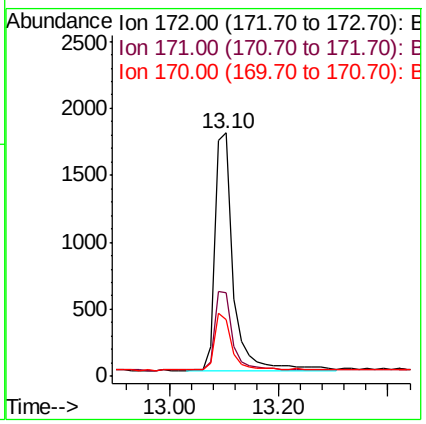


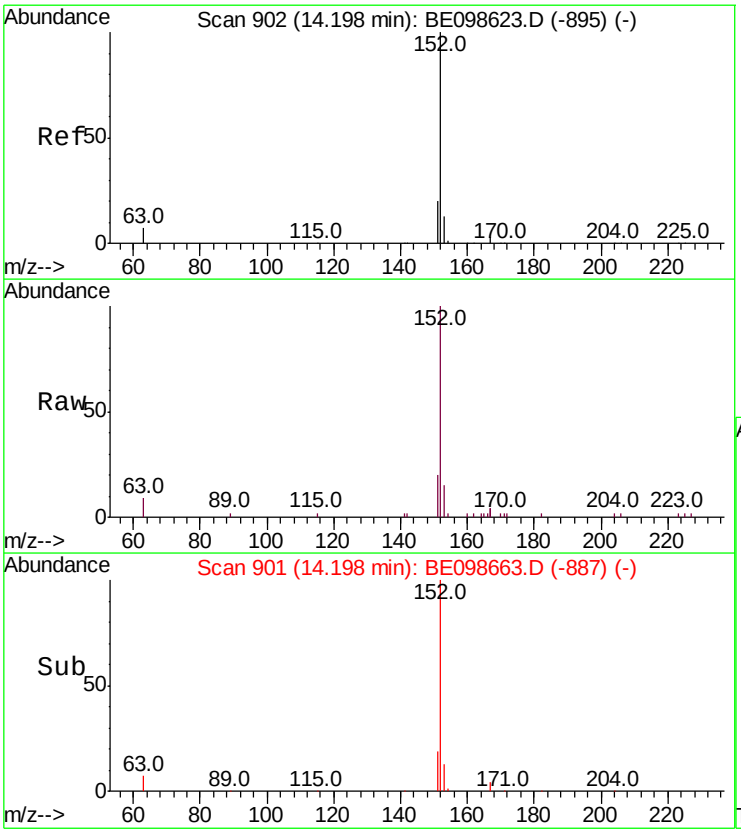
#15
2-Fluorobiphenyl
Concen: 0.338 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.01 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 4188

Ion	Ratio	Lower	Upper
172	100		
171	34.6	29.0	43.4
170	23.2	20.8	31.2

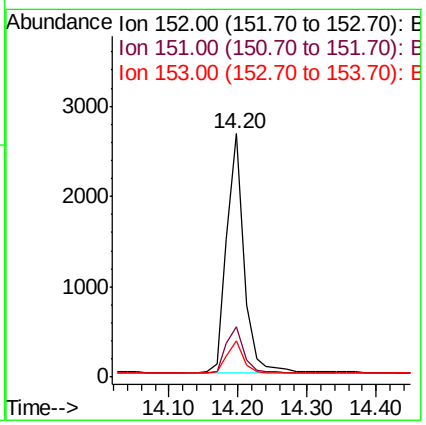


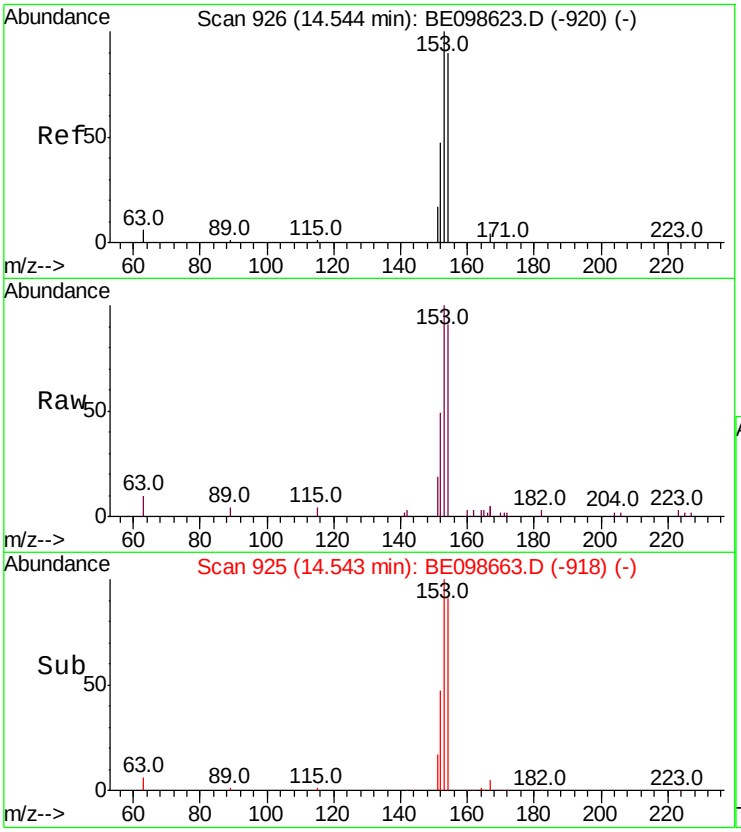


#16
Acenaphthylene
Concen: 0.352 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:152 Resp: 4621

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	12.9	10.7	16.1



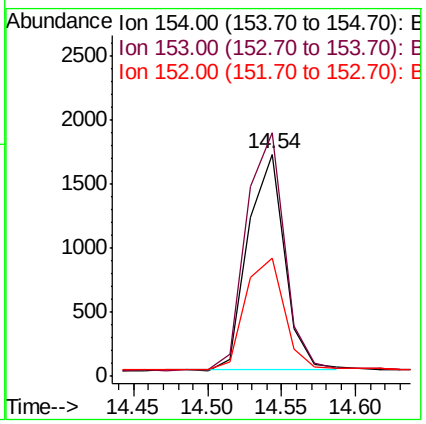


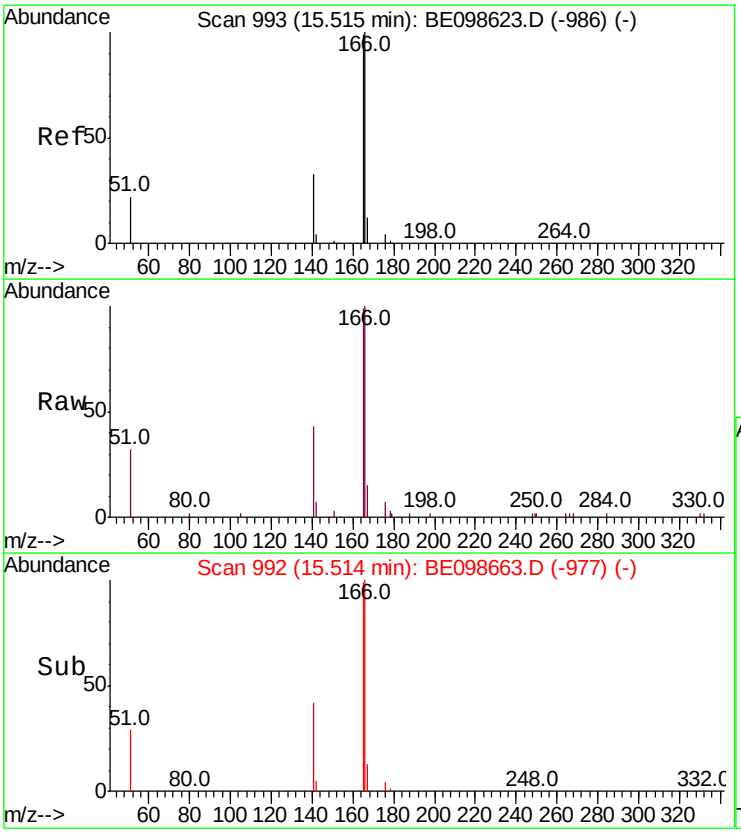
#17
Acenaphthene
Concen: 0.352 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2899

Ion	Ratio	Lower	Upper
154	100		
153	114.4	93.9	140.9
152	55.7	45.8	68.8

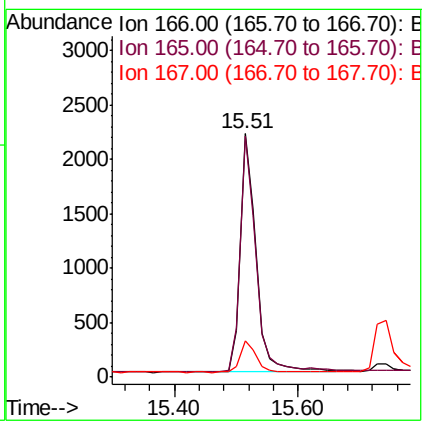


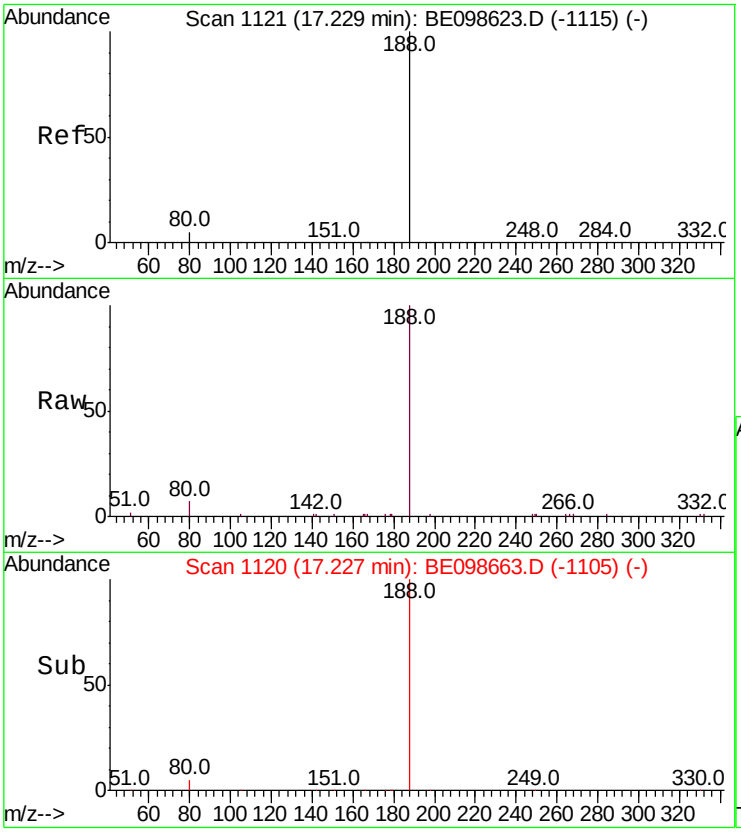


#18
Fluorene
Concen: 0.363 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:166 Resp: 3891

Ion	Ratio	Lower	Upper
166	100		
165	99.3	79.3	118.9
167	13.8	10.6	15.8



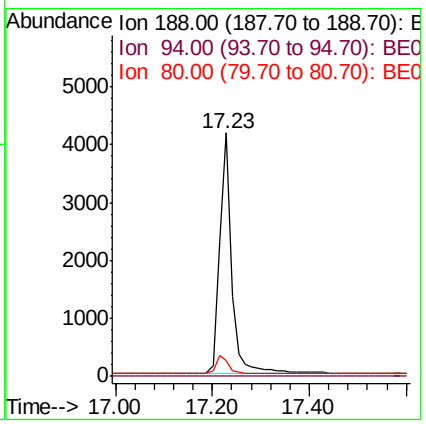


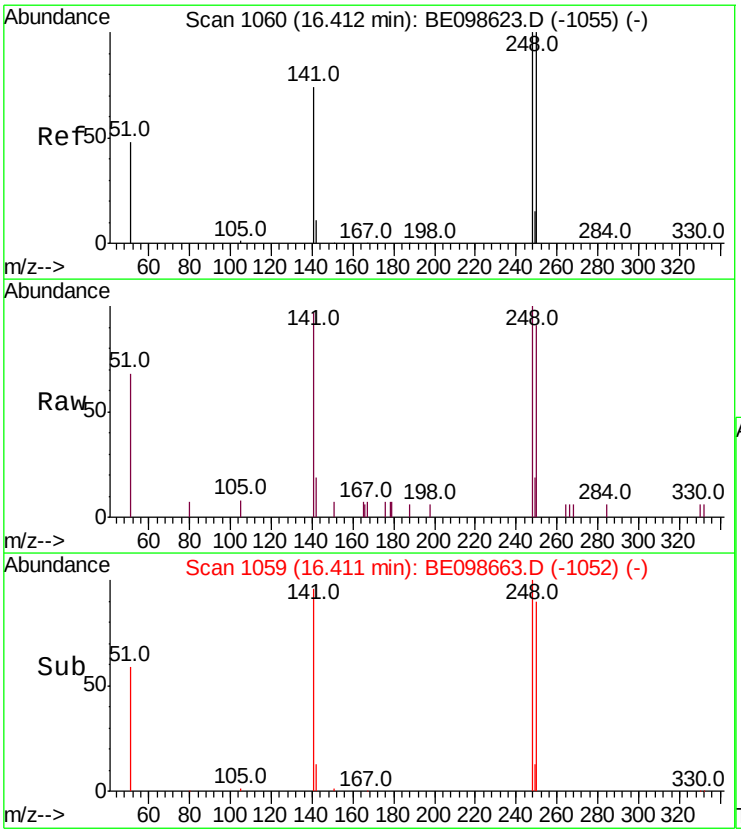
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 7286

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

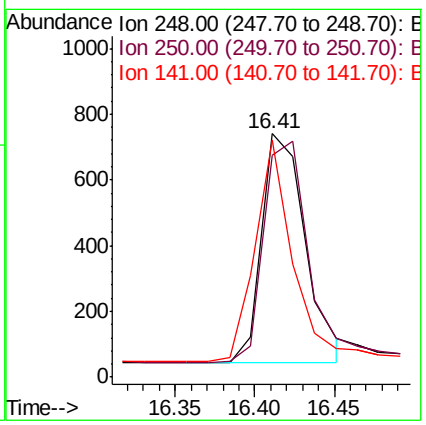


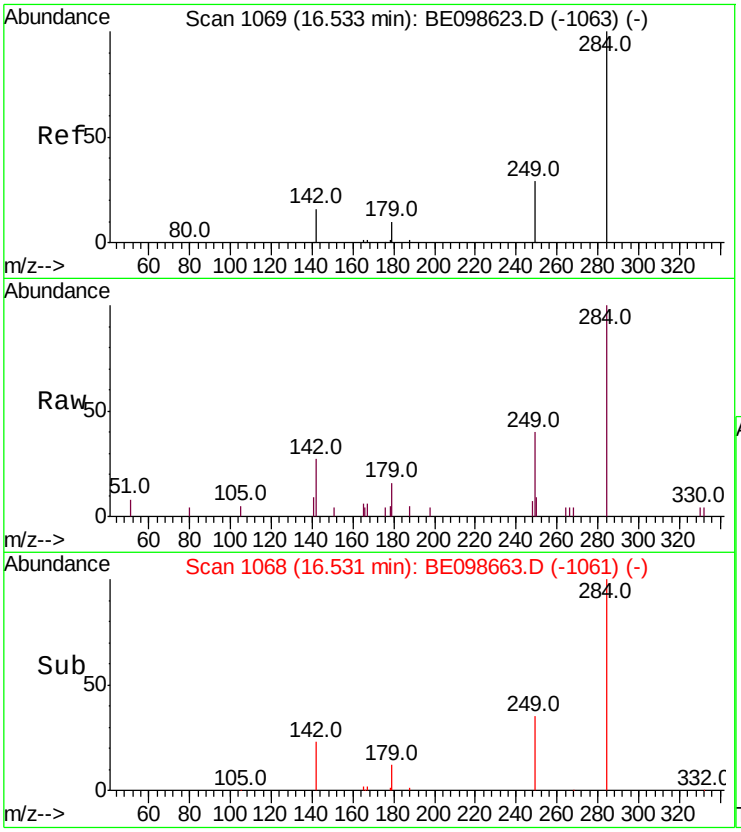


#20
4-Bromophenyl-phenylether
Concen: 0.347 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:248 Resp: 1338

Ion	Ratio	Lower	Upper
248	100		
250	91.2	80.2	120.4
141	97.2	60.5	90.7#



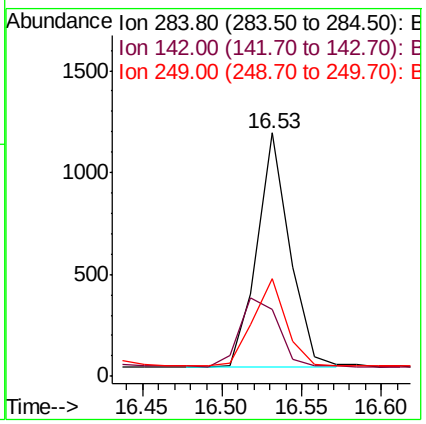


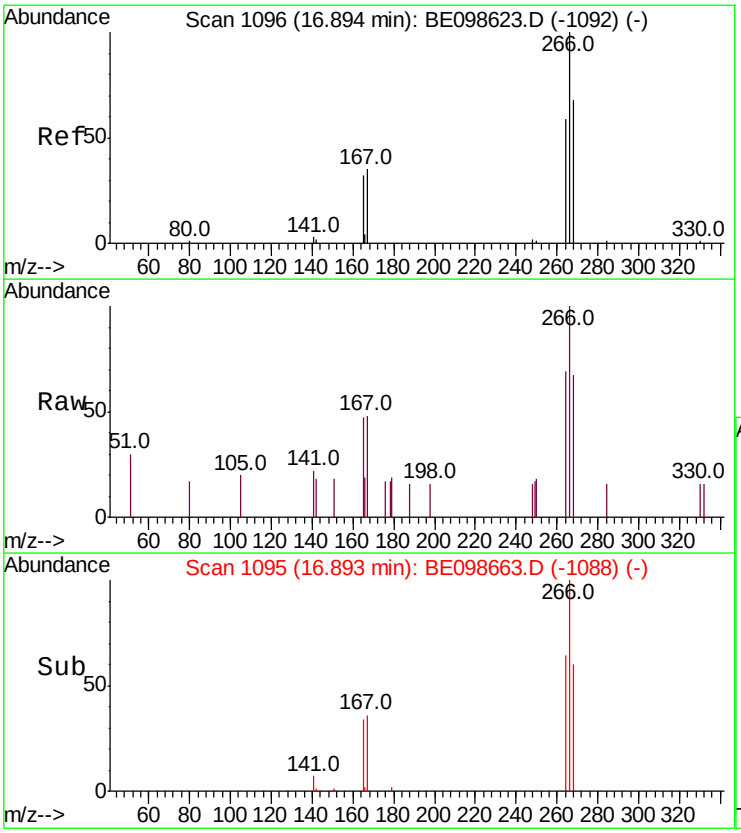
#21
Hexachlorobenzene
Concen: 0.358 ng
RT: 16.53 min Scan# 1068
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1669

Ion	Ratio	Lower	Upper
284	100		
142	33.4	25.5	38.3
249	37.7	26.6	39.8

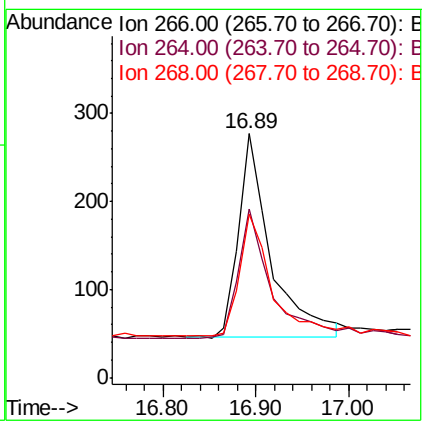


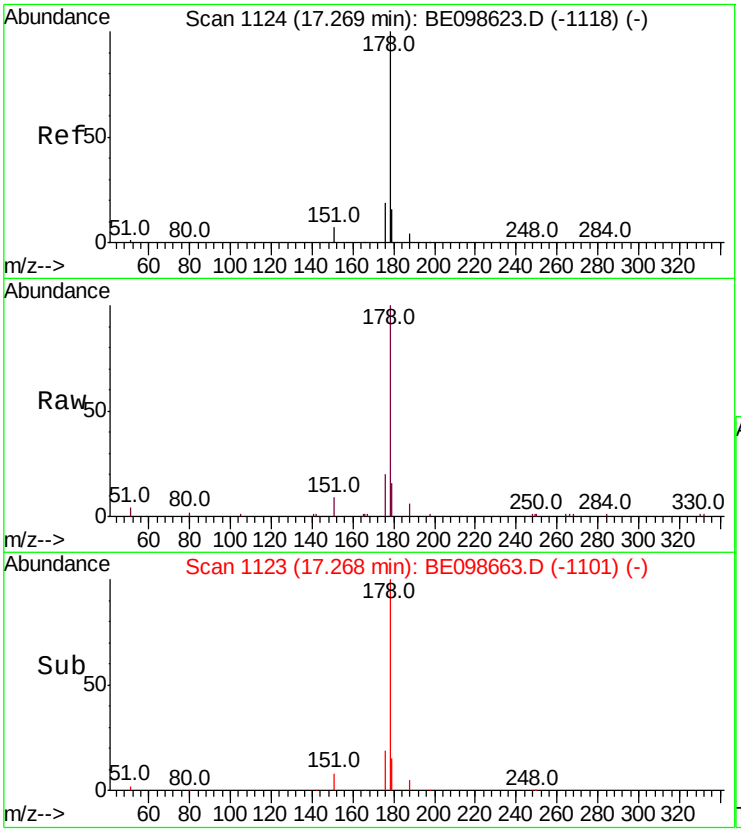


#22
Pentachlorophenol
Concen: 0.491 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:266 Resp: 554

Ion	Ratio	Lower	Upper
266	100		
264	69.3	53.7	80.5
268	67.1	59.8	89.8



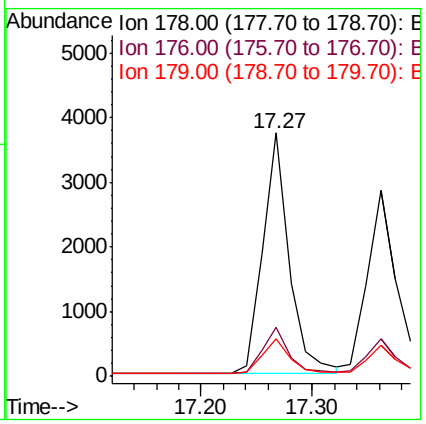


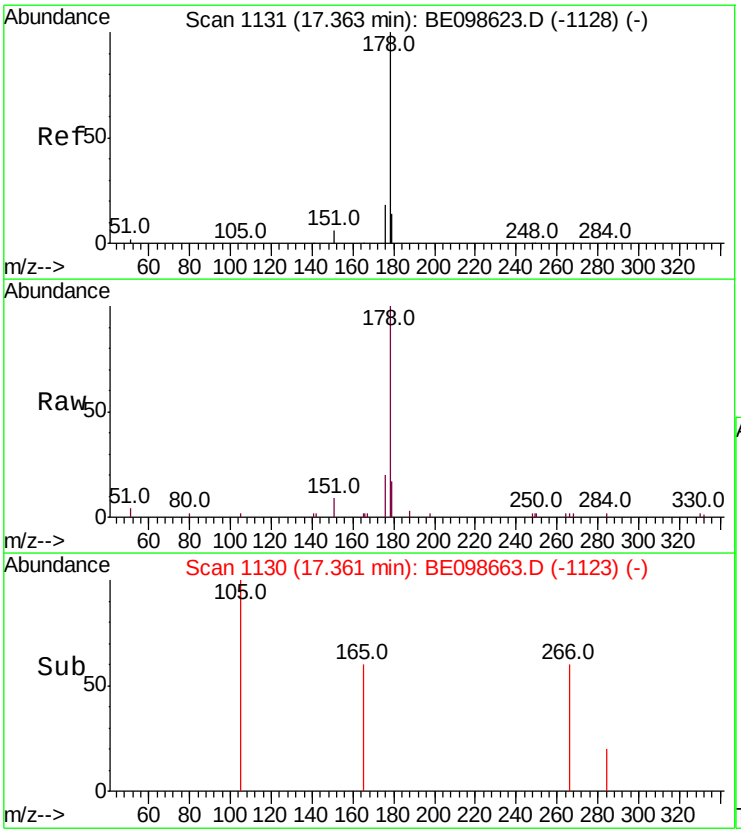
#23
Phenanthrene
Concen: 0.356 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 6148

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.9	23.9
179	14.9	12.2	18.4

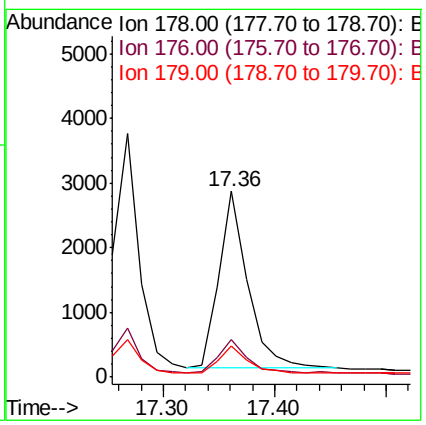


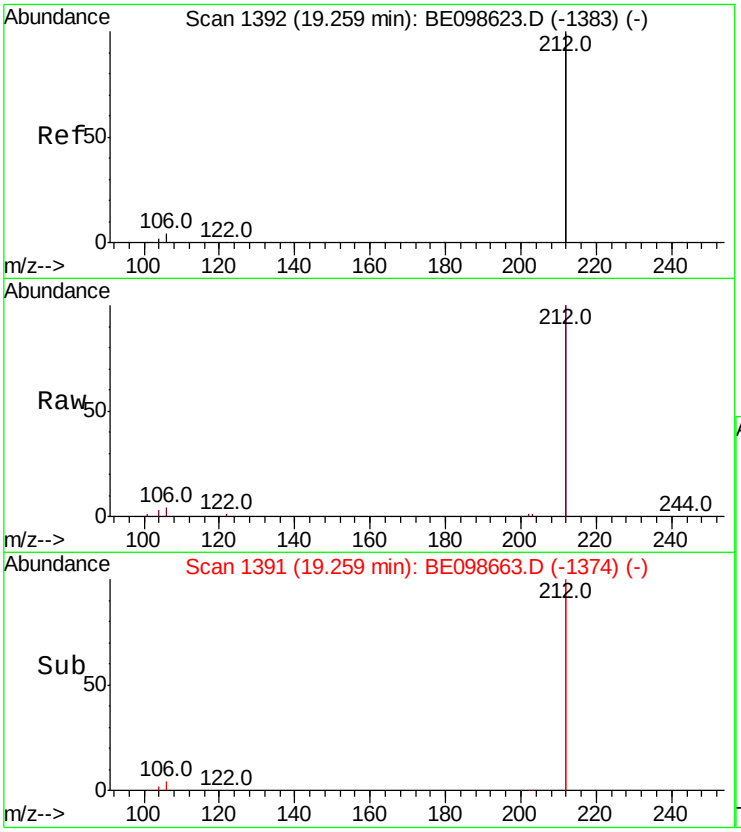


#24
Anthracene
Concen: 0.332 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:178 Resp: 4913

Ion	Ratio	Lower	Upper
178	100		
176	19.1	14.9	22.3
179	15.3	11.8	17.8



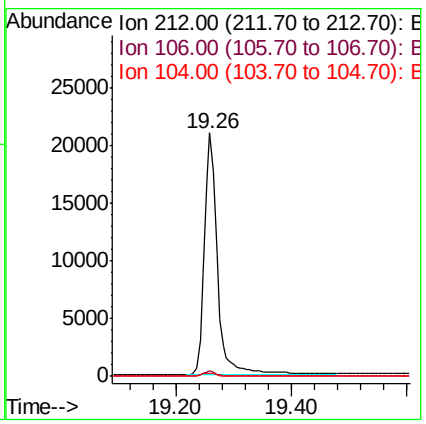


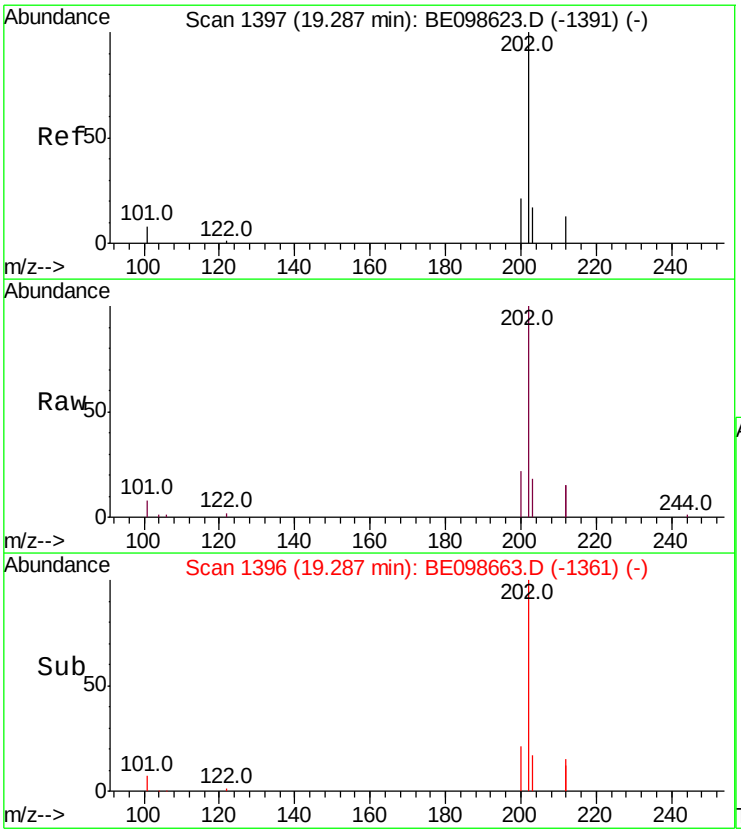
#25
Fluoranthene-d10
Concen: 0.361 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 32585

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.7	2.5
104	1.2	1.0	1.6

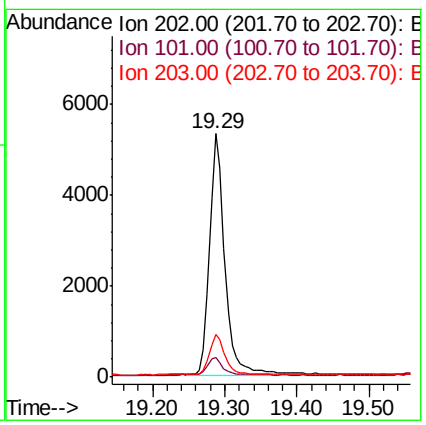


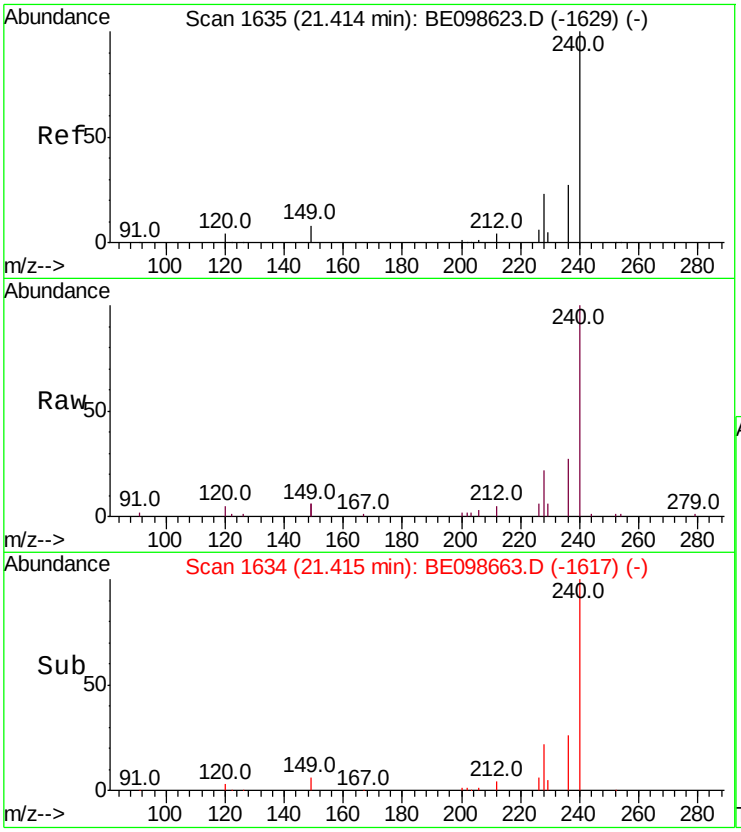


#26
Fluoranthene
Concen: 0.355 ng
RT: 19.29 min Scan# 1396
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:202 Resp: 7887

Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.7	10.1
203	16.6	13.3	19.9



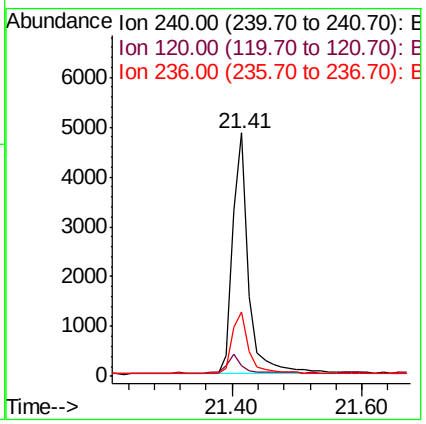


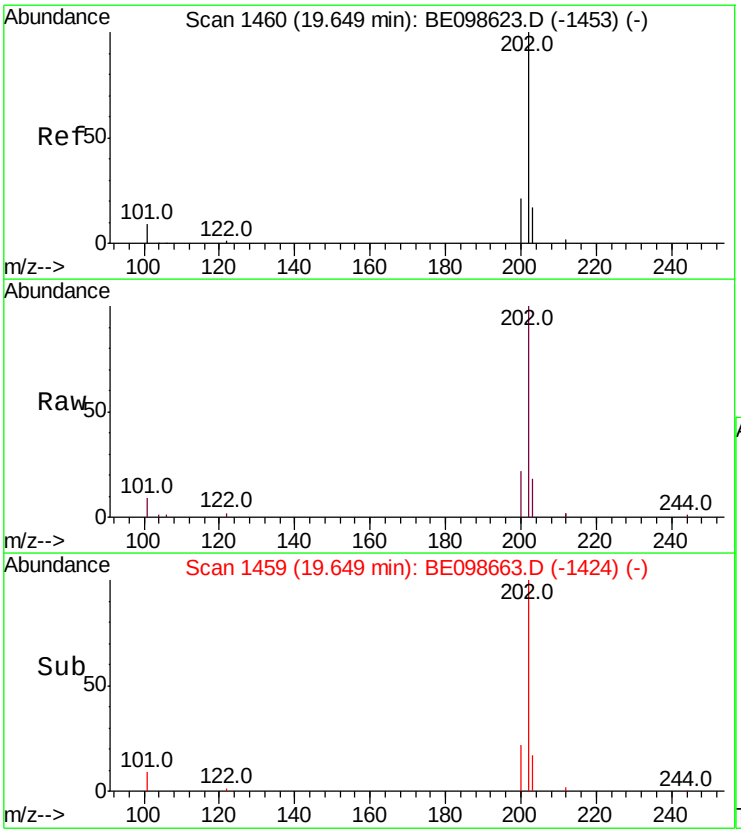
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1634
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8384

Ion	Ratio	Lower	Upper
240	100		
120	4.5	4.7	7.1#
236	26.6	21.9	32.9

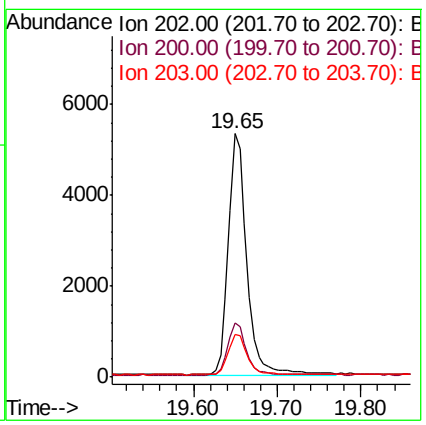


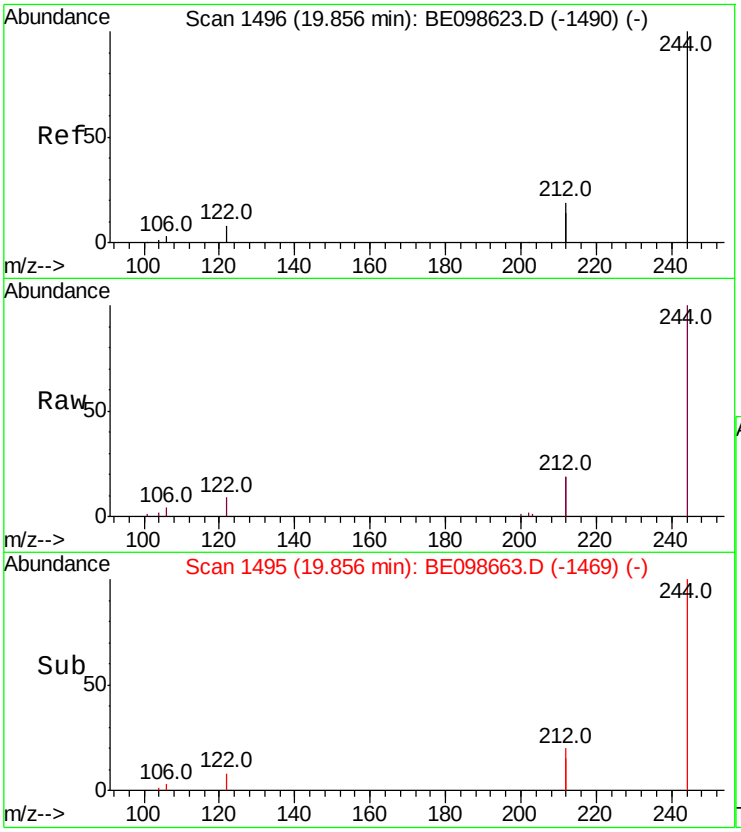


#28
Pyrene
Concen: 0.354 ng
RT: 19.65 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:202 Resp: 8176

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.0	25.6
203	17.6	13.8	20.8



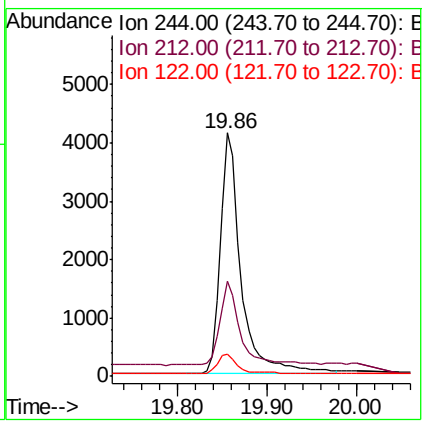


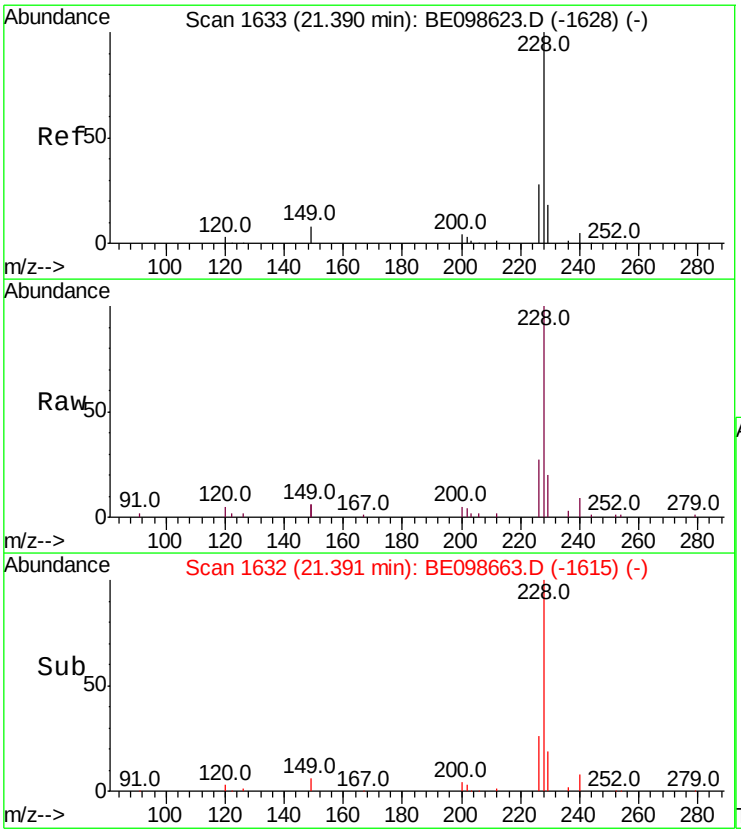
#29
Terphenyl-d14
Concen: 0.354 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 6576

Ion	Ratio	Lower	Upper
244	100		
212	38.9	29.4	44.2
122	9.0	7.1	10.7

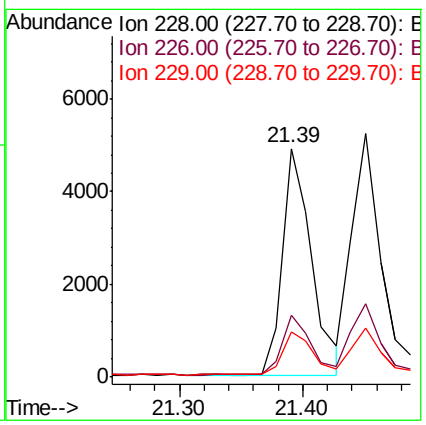


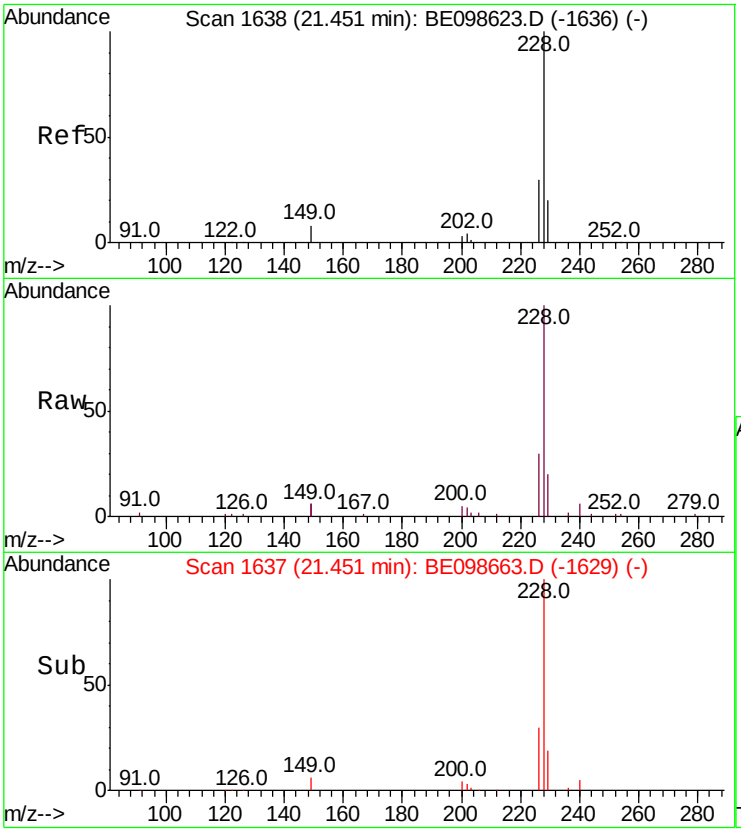


#30
Benzo(a)anthracene
Concen: 0.358 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:228 Resp: 8057

Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.0	34.4
229	19.6	15.0	22.6



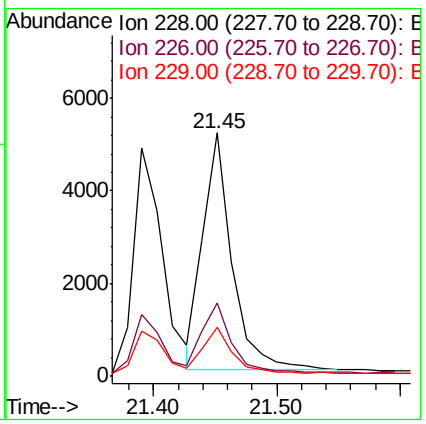


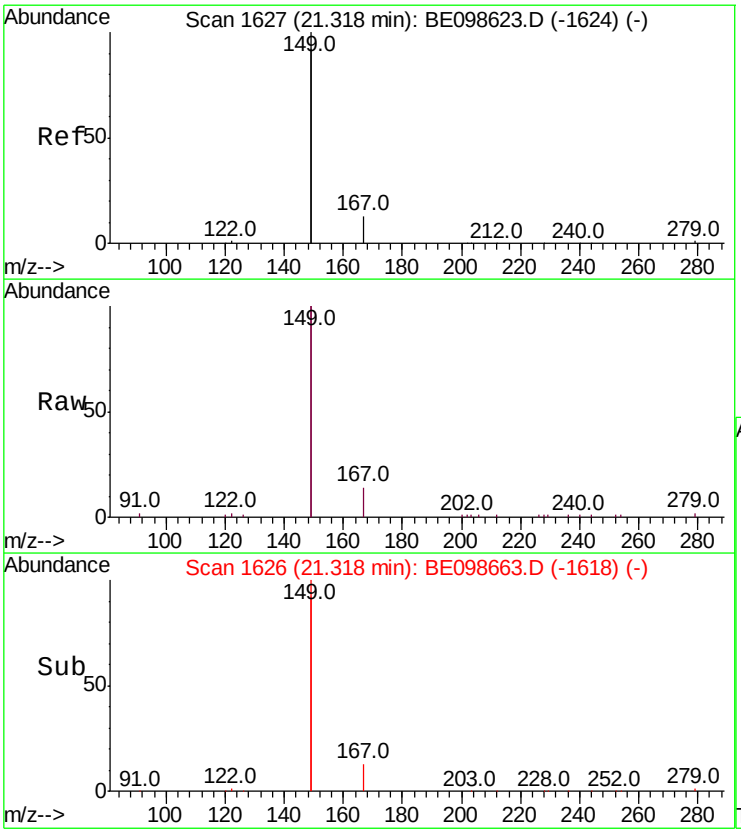
#31
Chrysene
Concen: 0.356 ng
RT: 21.45 min Scan# 1637
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 8323

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	36.8
229	20.1	16.4	24.6

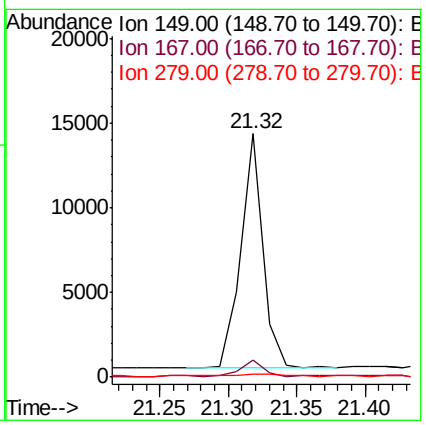


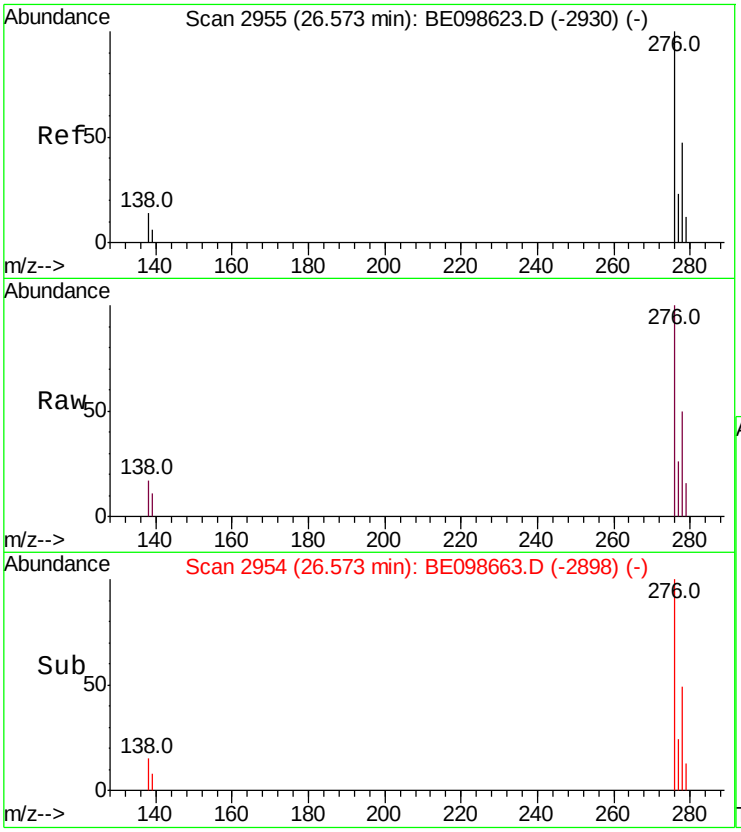


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.325 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:149 Resp: 15546

Ion	Ratio	Lower	Upper
149	100		
167	6.9	5.4	8.2
279	1.3	1.0	1.4



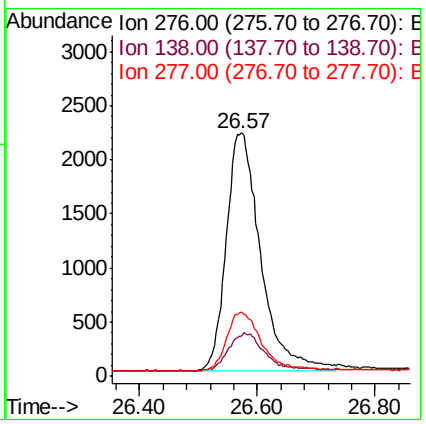


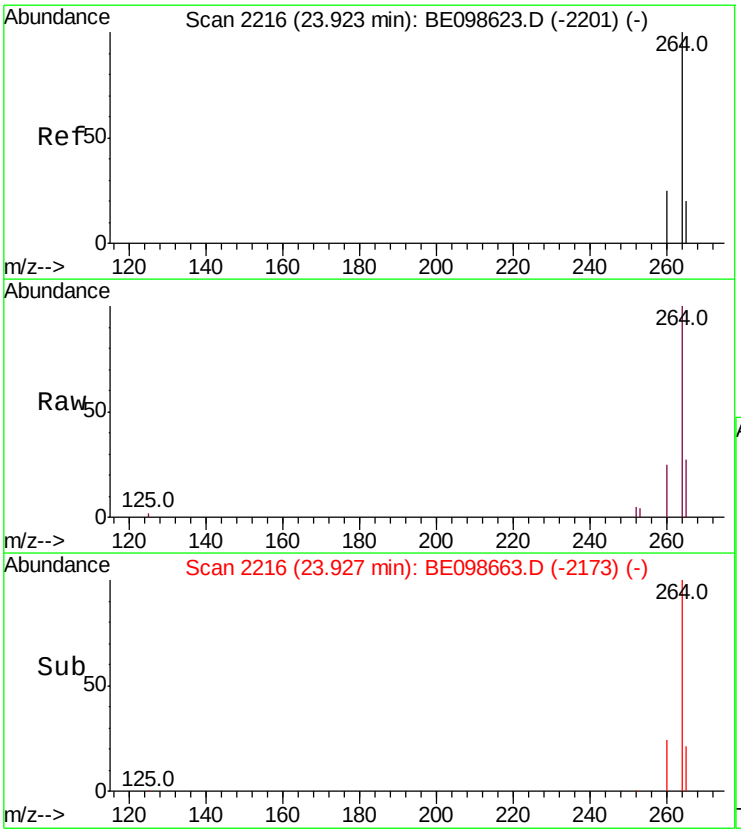
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.373 ng
RT: 26.57 min Scan# 2954
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 8997

Ion	Ratio	Lower	Upper
276	100		
138	16.0	13.3	19.9
277	25.0	19.4	29.0

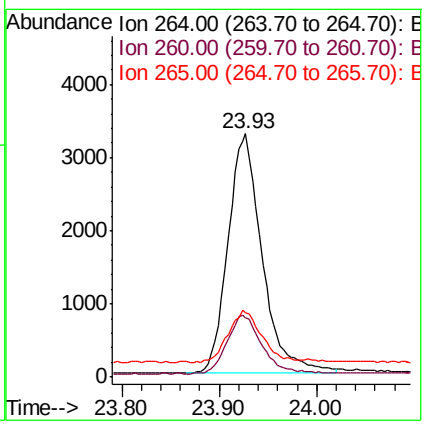


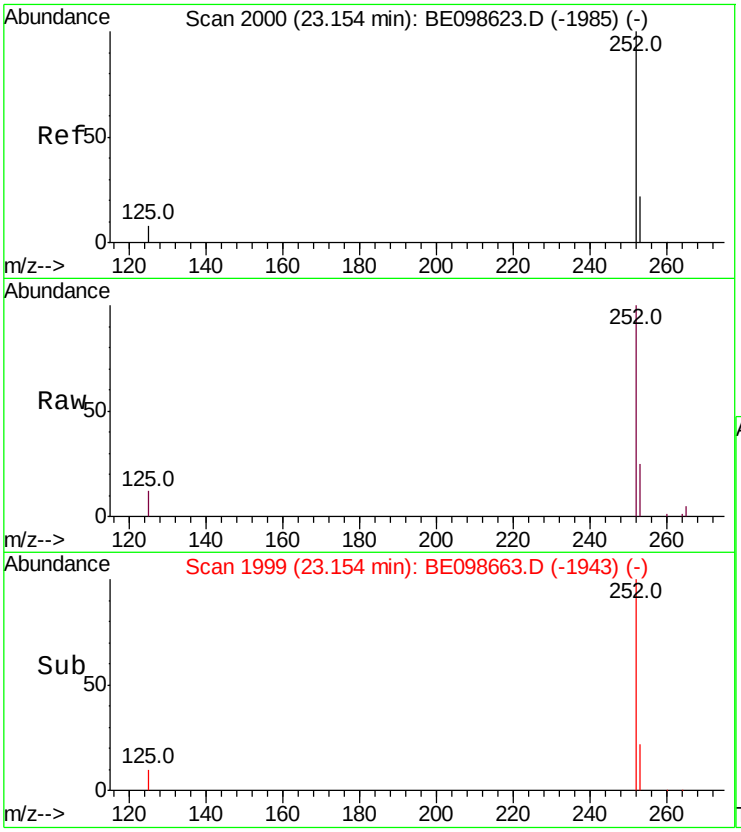


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.93 min Scan# 2216
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:264 Resp: 8033

Ion	Ratio	Lower	Upper
264	100		
260	24.6	20.5	30.7
265	26.6	22.3	33.5



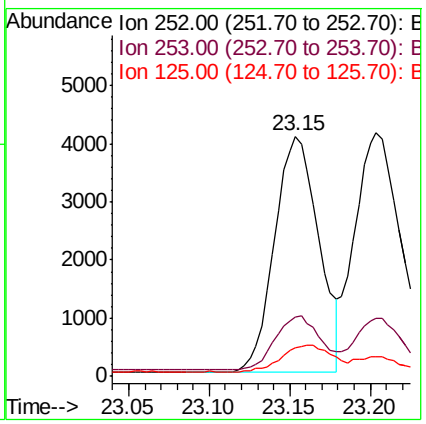


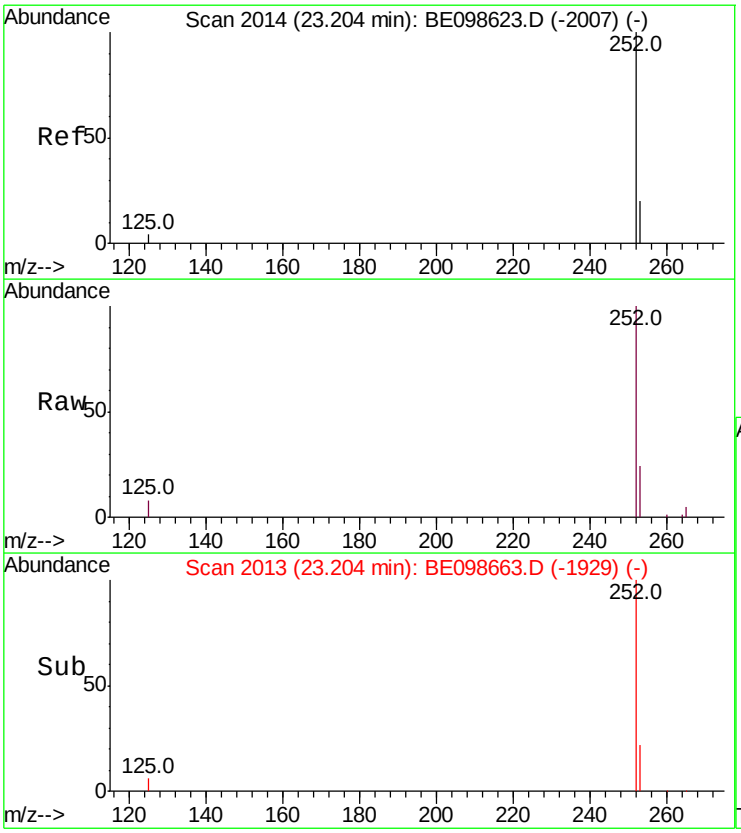
#35
Benzo(b)fluoranthene
Concen: 0.353 ng
RT: 23.15 min Scan# 1999
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7737

Ion	Ratio	Lower	Upper
252	100		
253	24.6	19.4	29.0
125	11.9	8.2	12.4

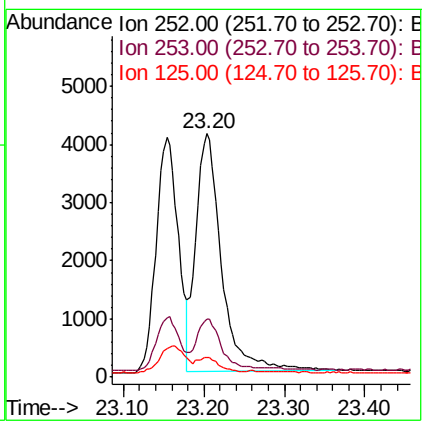


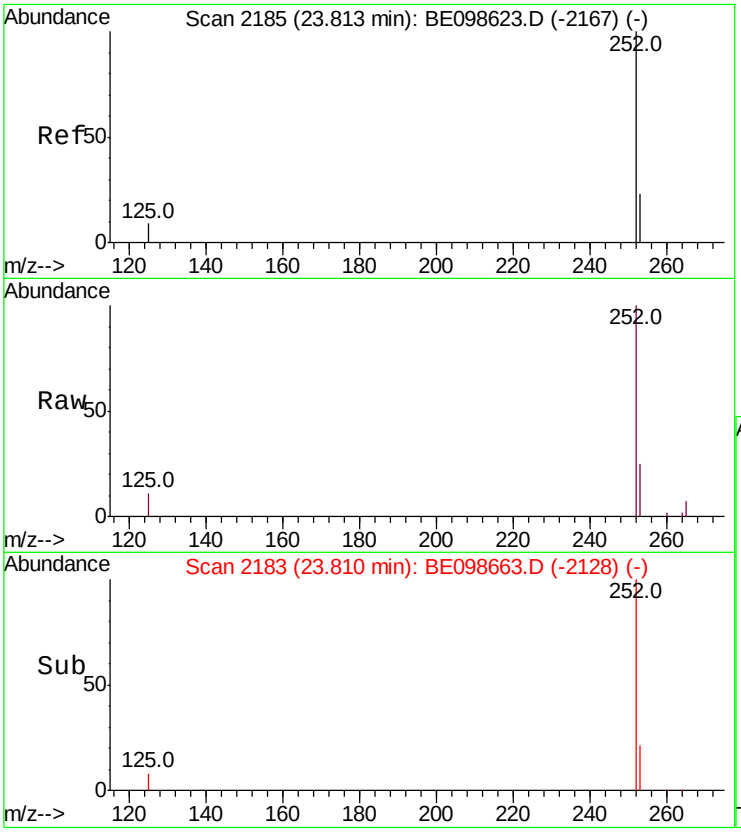


#36
Benzo(k)fluoranthene
Concen: 0.379 ng
RT: 23.20 min Scan# 2013
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:252 Resp: 9085

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.0	28.4
125	8.0	7.0	10.4



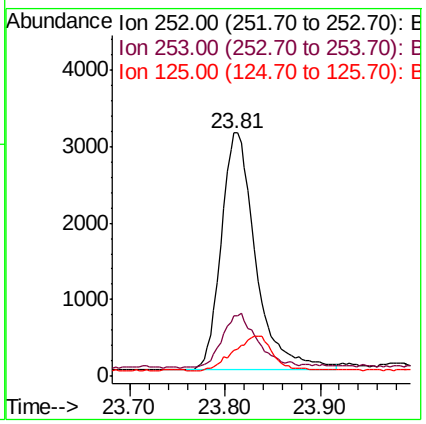


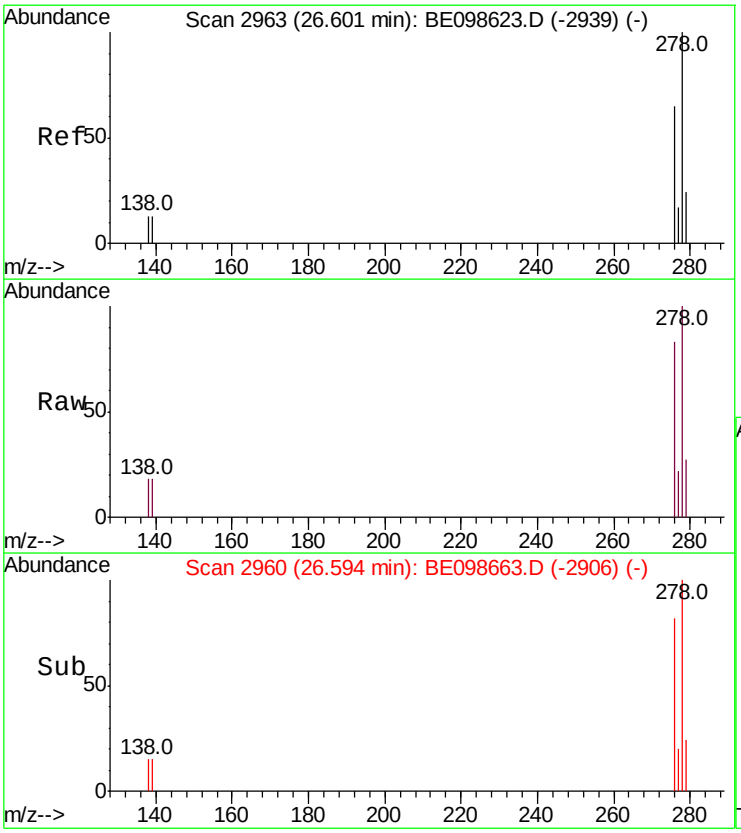
#37
Benzo(a)pyrene
Concen: 0.364 ng
RT: 23.81 min Scan# 2183
Delta R.T. -0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 7827

Ion	Ratio	Lower	Upper
252	100		
253	24.7	21.0	31.4
125	10.5	9.2	13.8

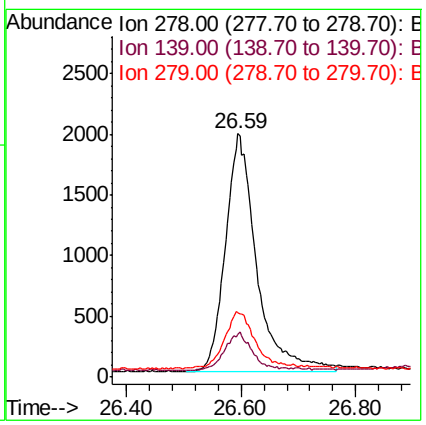


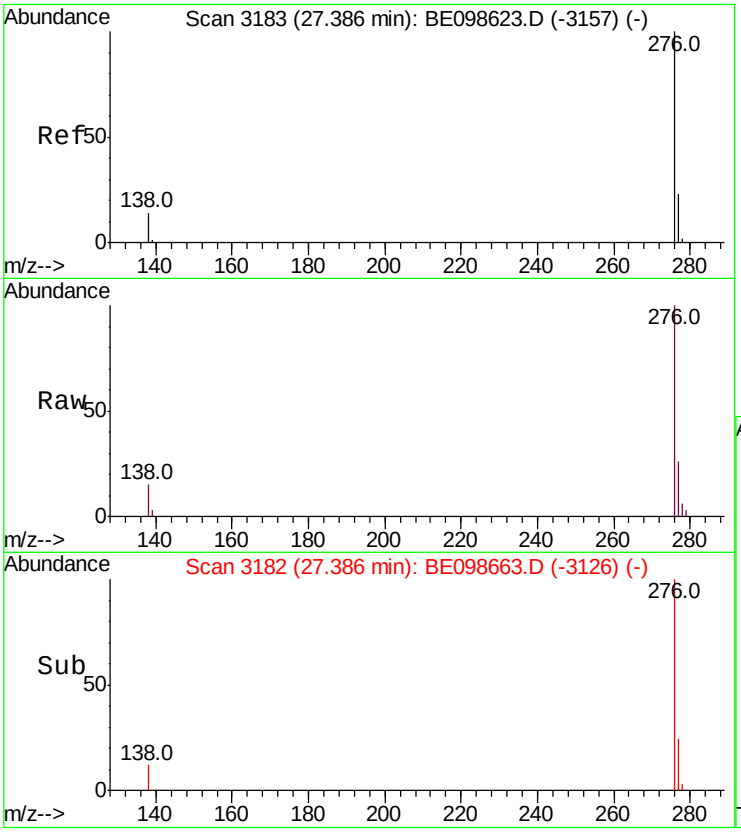


#38
Dibenzo(a,h)anthracene
Concen: 0.387 ng
RT: 26.59 min Scan# 2960
Delta R.T. -0.01 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Tgt Ion:278 Resp: 7380

Ion	Ratio	Lower	Upper
278	100		
139	17.5	12.7	19.1
279	26.5	22.0	33.0





#39
Benzo(g,h,i)perylene
Concen: 0.364 ng
RT: 27.39 min Scan# 3182
Delta R.T. 0.00 min
Lab File: BE098663.D
Acq: 18 Jan 2019 8:34

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 7614

Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.3	30.5
138	14.8	13.3	19.9