Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE010419\
Data File : BE098619.D
Acq On : 4 Jan 2019 17:27
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Jan 04 21:14:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.80	152	1078	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	4948	0.40	ng		0.00
13) Acenaphthene-d10	14.47	164	3245	0.40	ng		0.00
19) Phenanthrene-d10	17.22	188	7629	0.40	ng		0.00
27) Chrysene-d12	21.41	240	8753	0.40	ng		0.01
34) Perylene-d12	23.92	264	8604	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.40	112	1359	0.54	ng		0.01
5) Phenol-d6	7.00	99	2020	0.57	ng		0.01
8) Nitrobenzene-d5	8.96	82	1887	0.42	ng		0.00
11) 2-Methylnaphthalene-d10	12.21	152	3421	0.43	ng		0.00
14) 2,4,6-Tribromophenol	15.97	330	616	0.52	ng		0.01
15) 2-Fluorobiphenyl	13.09	172	5372	0.39	ng		0.00
25) Fluoranthene-d10	19.26	212	39339	0.40	ng		0.00
29) Terphenyl-d14	19.86	244	8122	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	761	0.408	ng		94
3) n-Nitrosodimethylamine	3.65	42	677	0.403	ng	#	100
6) bis(2-Chloroethyl)ether	7.23	93	1434	0.422	ng		93
9) Naphthalene	10.65	128	20549	0.413	ng		99
10) Hexachlorobutadiene	10.94	225	1467	0.463	ng		97
12) 2-Methylnaphthalene	12.28	142	3463	0.428	ng		97
16) Acenaphthylene	14.20	152	5915	0.389	ng		98
17) Acenaphthene	14.54	154	3700	0.405	ng		99
18) Fluorene	15.52	166	4837	0.396	ng		99
20) 4-Bromophenyl-phenylether	16.42	248	1741	0.424	ng	#	88
21) Hexachlorobenzene	16.53	284	1962	0.444	ng		97
22) Pentachlorophenol	16.89	266	662	0.815	ng		91
23) Phenanthrene	17.27	178	7557	0.408	ng		100
24) Anthracene	17.36	178	6491	0.393	ng		99
26) Fluoranthene	19.29	202	9811	0.400	ng		98
28) Pyrene	19.65	202	10208	0.372	ng		100
30) Benzo(a)anthracene	21.39	228	10371	0.416	ng		98
31) Chrysene	21.45	228	10148	0.389	ng		99
32) Bis(2-ethylhexyl)phthalate	21.32	149	24793	0.490	ng		99
33) Indeno(1,2,3-cd)pyrene	26.58	276	11203	0.431	ng		98
35) Benzo(b)fluoranthene	23.15	252	9832	0.418	ng		97
36) Benzo(k)fluoranthene	23.21	252	10956	0.400	ng		98
37) Benzo(a)pyrene	23.81	252	9982	0.411	ng		98
38) Dibenzo(a,h)anthracene	26.60	278	9232	0.404	ng	#	95
39) Benzo(g,h,i)perylene	27.39	276	9457	0.410	ng		97

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

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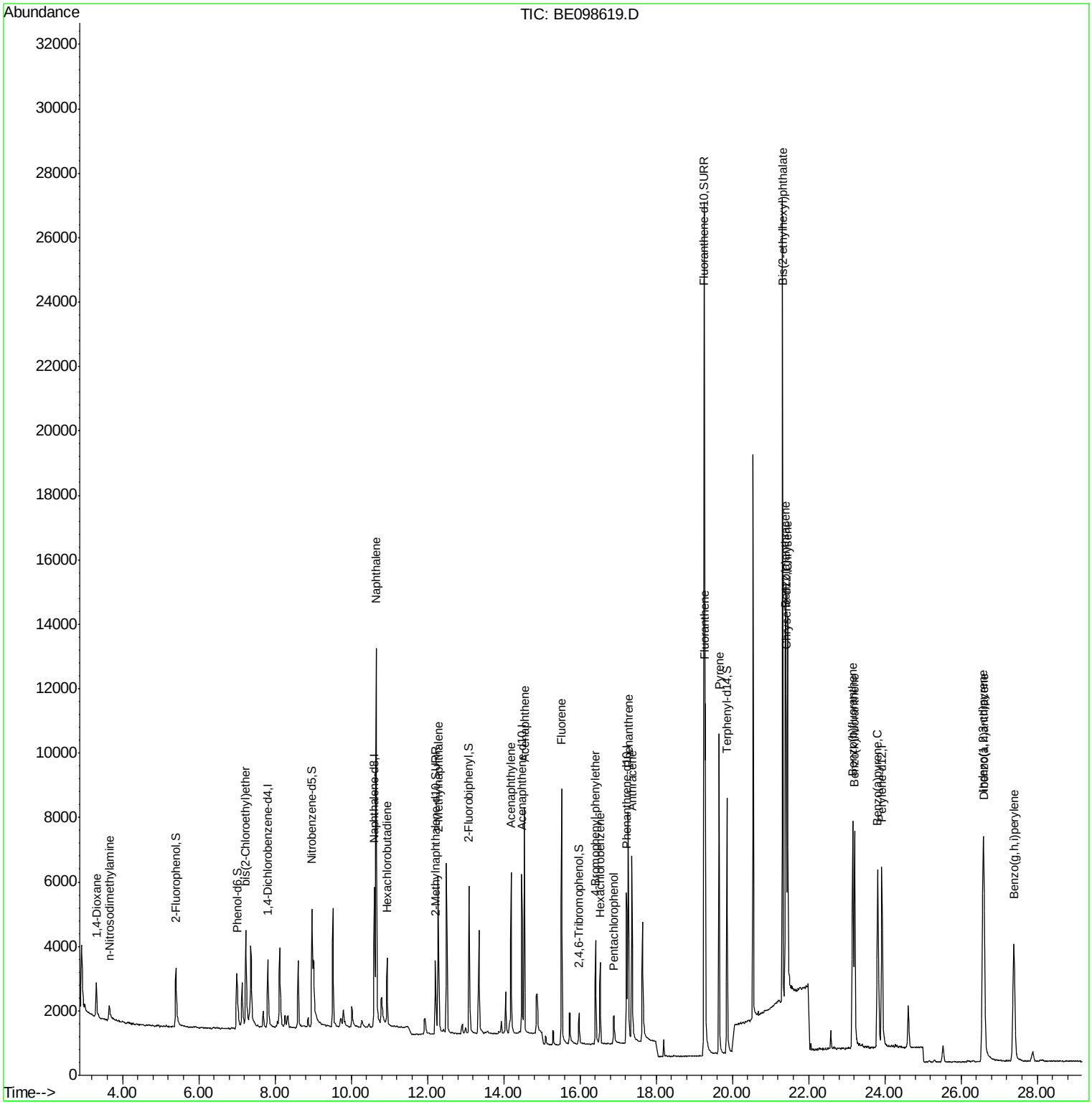
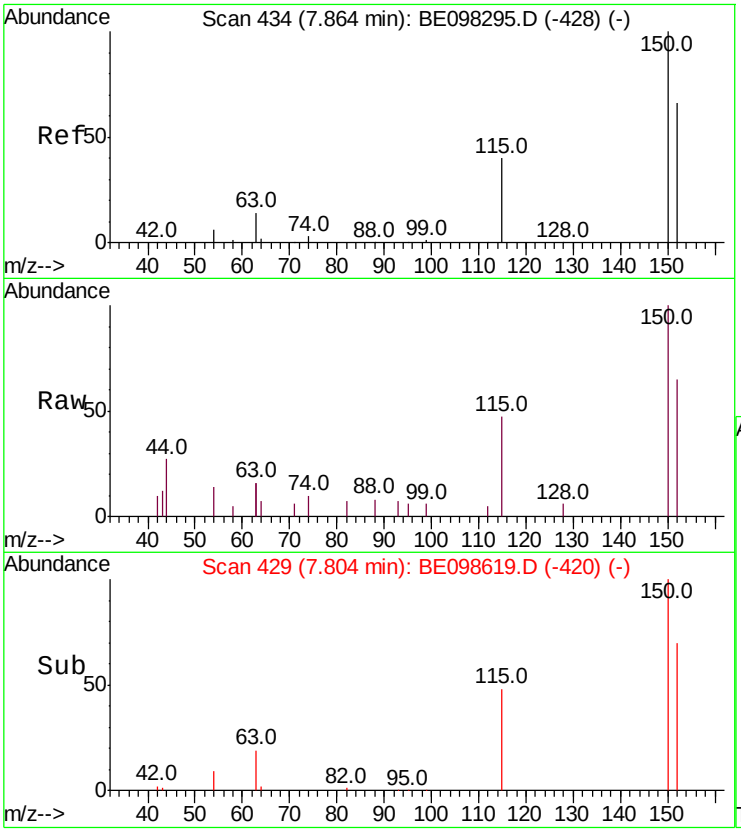
Operator : SJ/JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Jan 04 21:14:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE121018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 02 10:30:27 2019
Response via : Initial Calibration



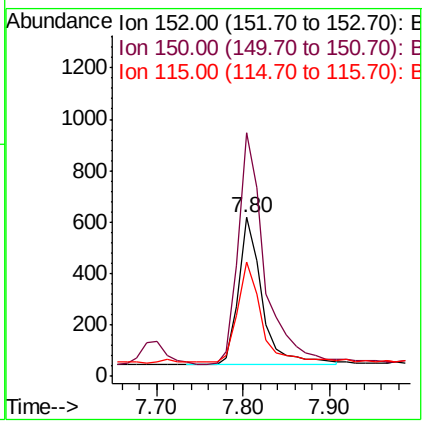


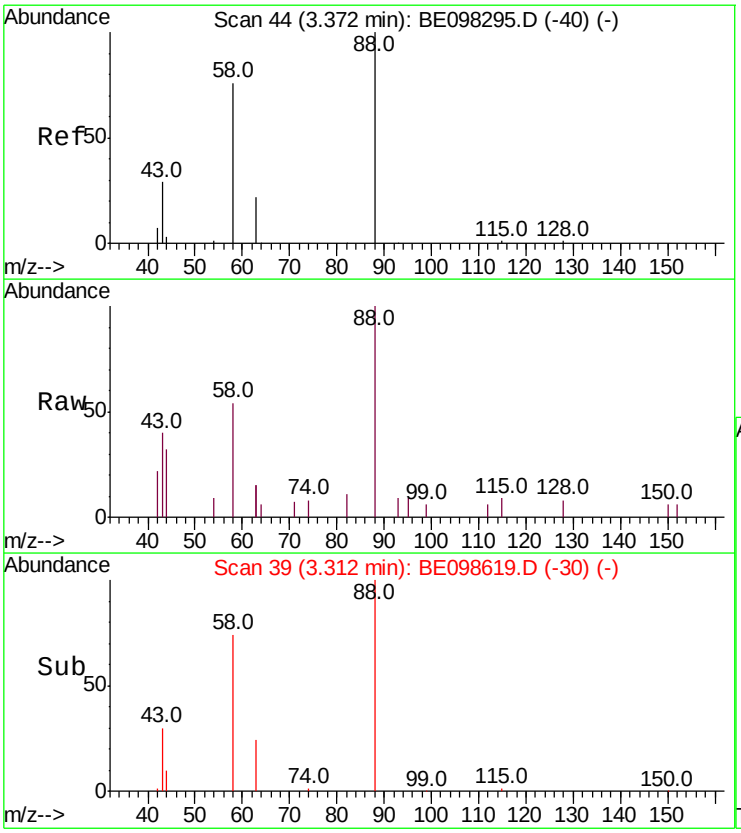
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1078

Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.2	186.4
115	71.8	53.9	80.9

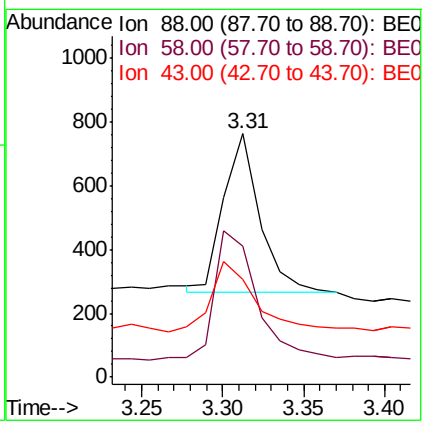


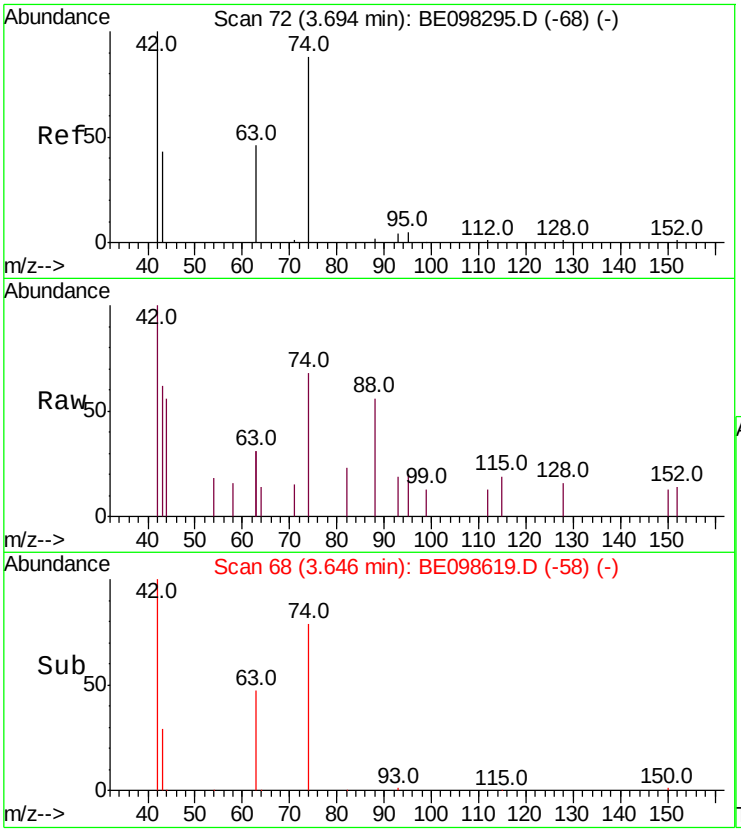


#2
1,4-Dioxane
Concen: 0.408 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion: 88 Resp: 761

Ion	Ratio	Lower	Upper
88	100		
58	96.6	75.0	112.6
43	55.7	38.3	57.5



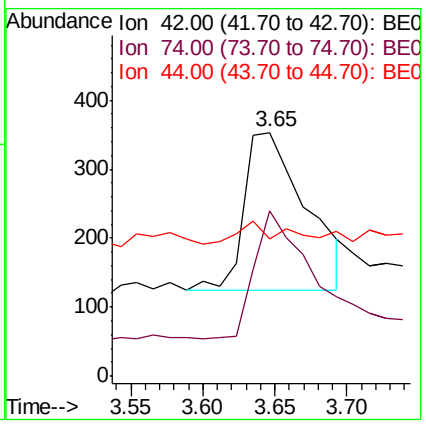


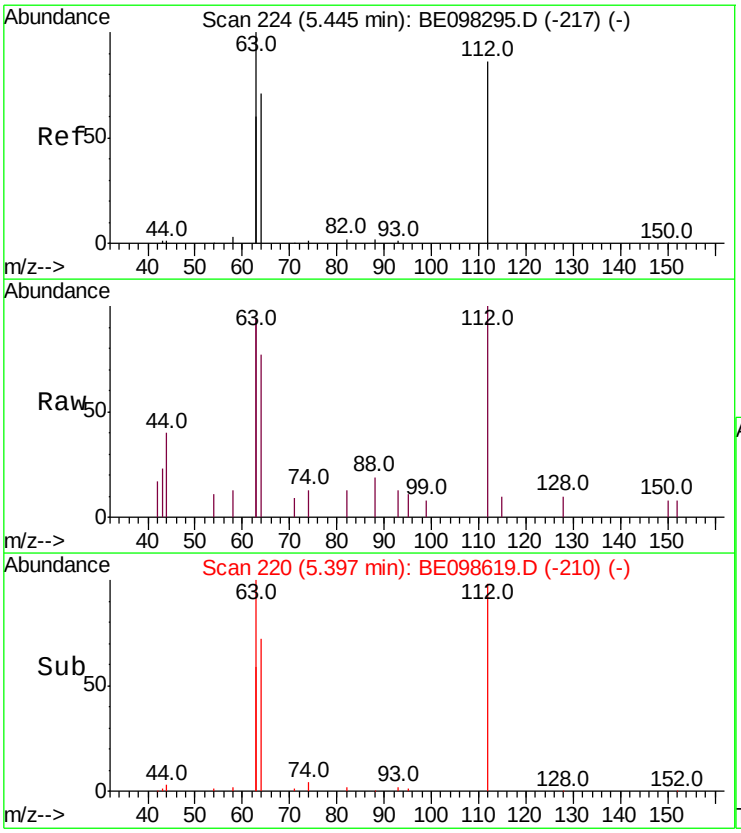
#3
n-Nitrosodimethylamine
Concen: 0.403 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 677

Ion	Ratio	Lower	Upper
42	100		
74	71.5	0.0	0.0#
44	10.2	0.0	0.0#

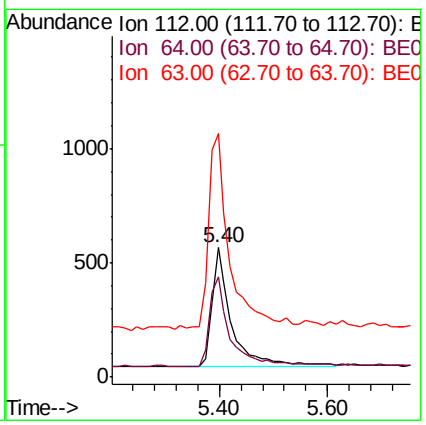


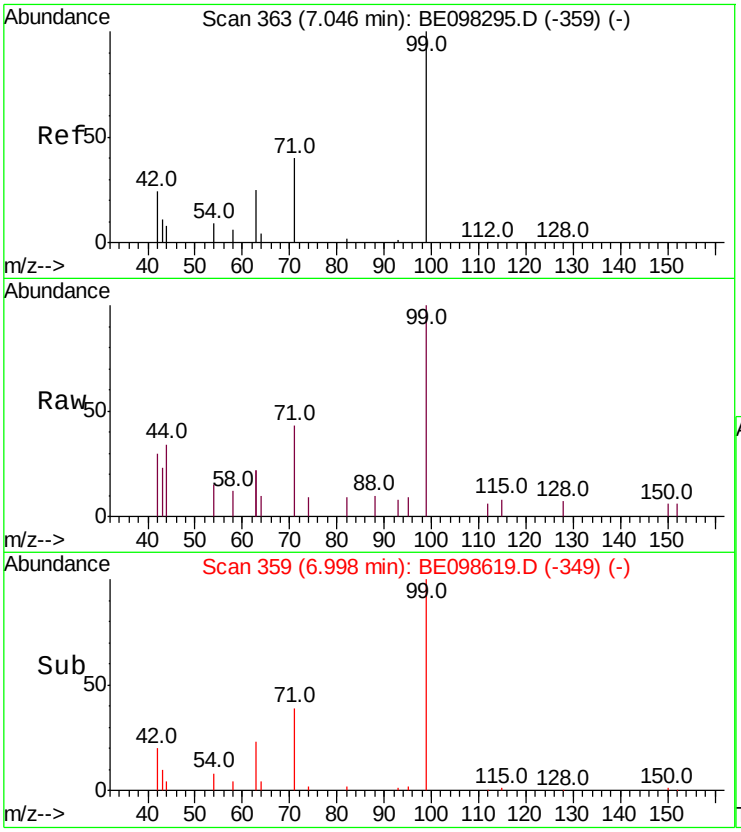


#4
2-Fluorophenol
Concen: 0.539 ng
RT: 5.40 min Scan# 220
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:112 Resp: 1359

Ion	Ratio	Lower	Upper
112	100		
64	76.3	59.8	89.8
63	174.8	133.7	200.5



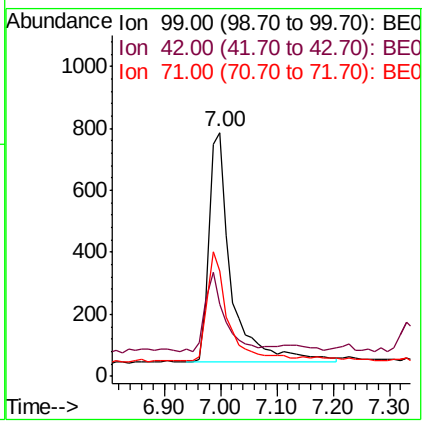


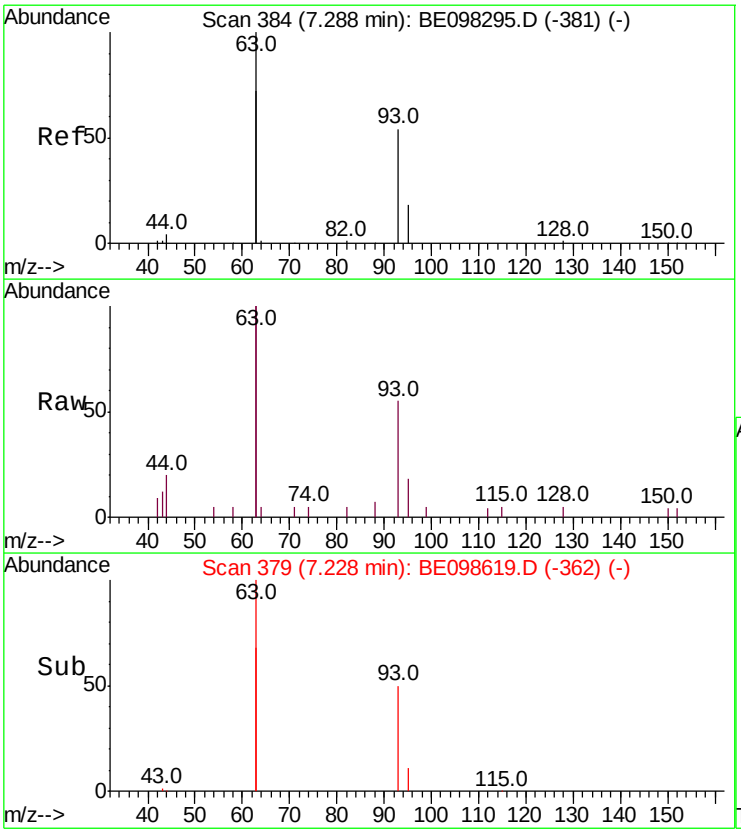
#5
Phenol-d6
Concen: 0.565 ng
RT: 7.00 min Scan# 359
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2020

Ion	Ratio	Lower	Upper
99	100		
42	29.2	26.3	39.5
71	44.7	33.6	50.4

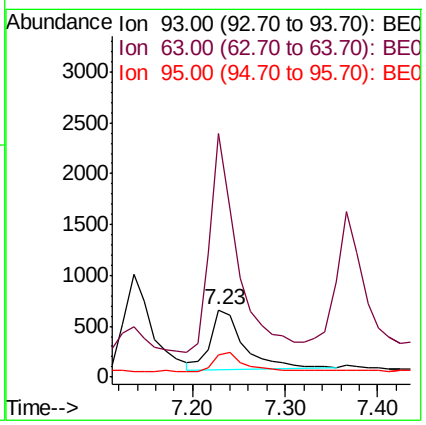


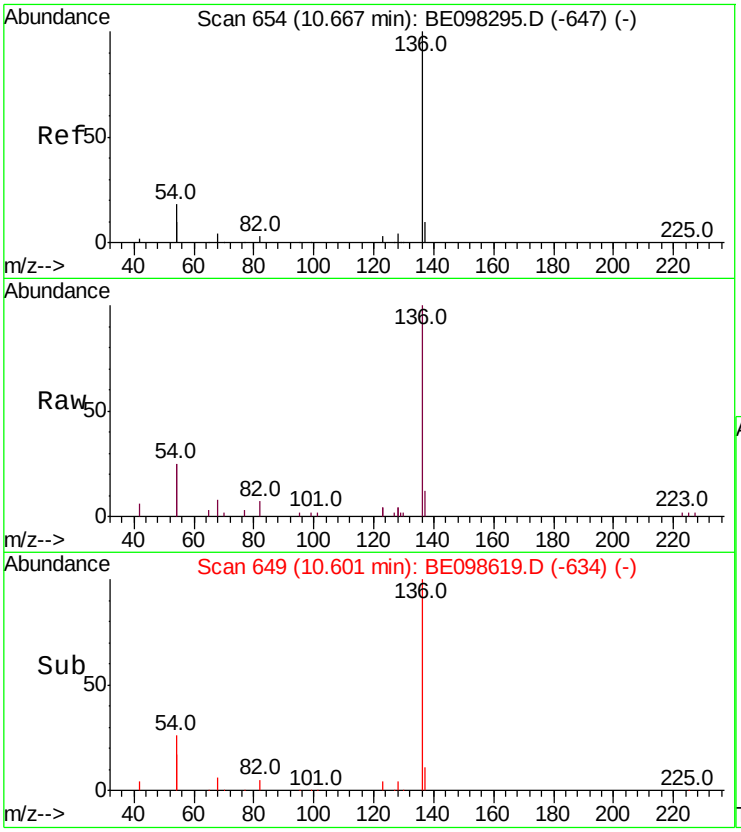


#6
bis(2-Chloroethyl)ether
Concen: 0.422 ng
RT: 7.23 min Scan# 379
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion: 93 Resp: 1434

Ion	Ratio	Lower	Upper
93	100		
63	315.8	264.4	396.6
95	30.1	26.6	40.0



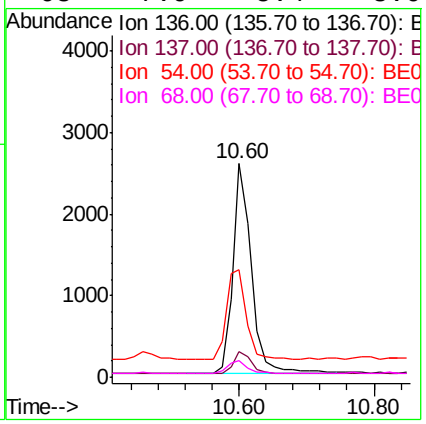


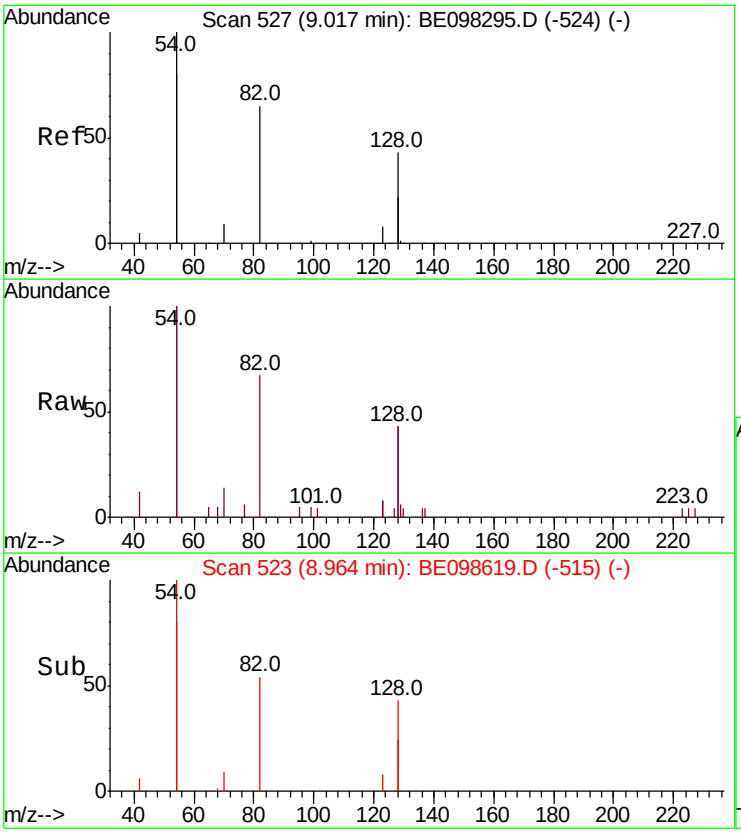
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 4948

Ion	Ratio	Lower	Upper
136	100		
137	12.1	9.2	13.8
54	50.1	28.4	42.6#
68	7.9	5.4	8.0

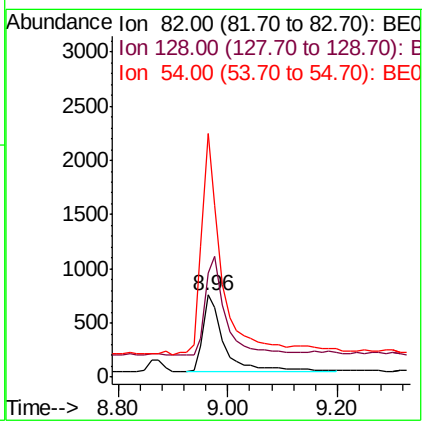


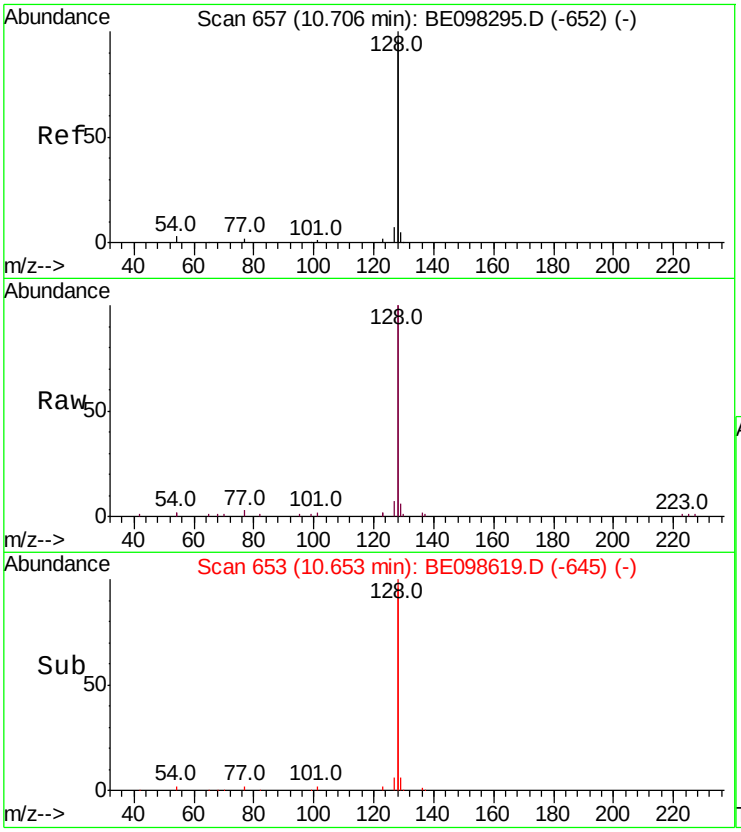


#8
Nitrobenzene-d5
Concen: 0.419 ng
RT: 8.96 min Scan# 523
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion: 82 Resp: 1887

Ion	Ratio	Lower	Upper
82	100		
128	126.6	102.4	153.6
54	297.0	221.8	332.8



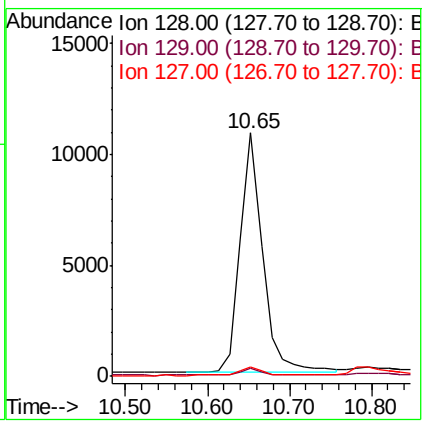


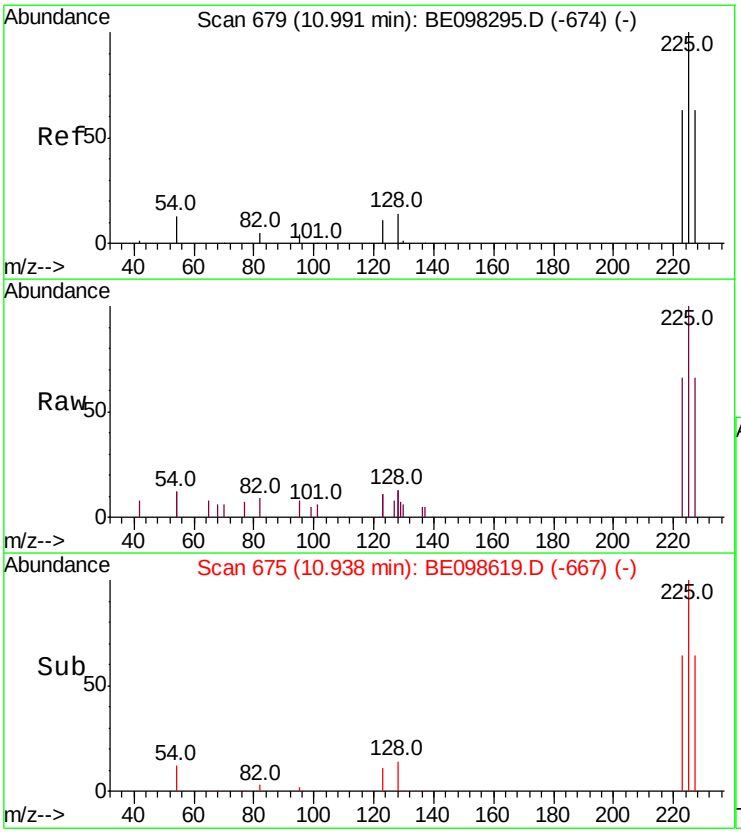
#9
Naphthalene
Concen: 0.413 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 20549

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.5	3.7
127	3.7	2.7	4.1

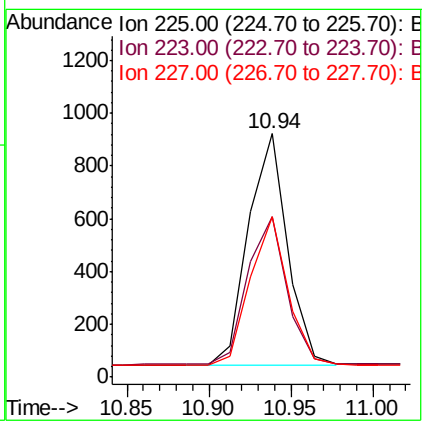


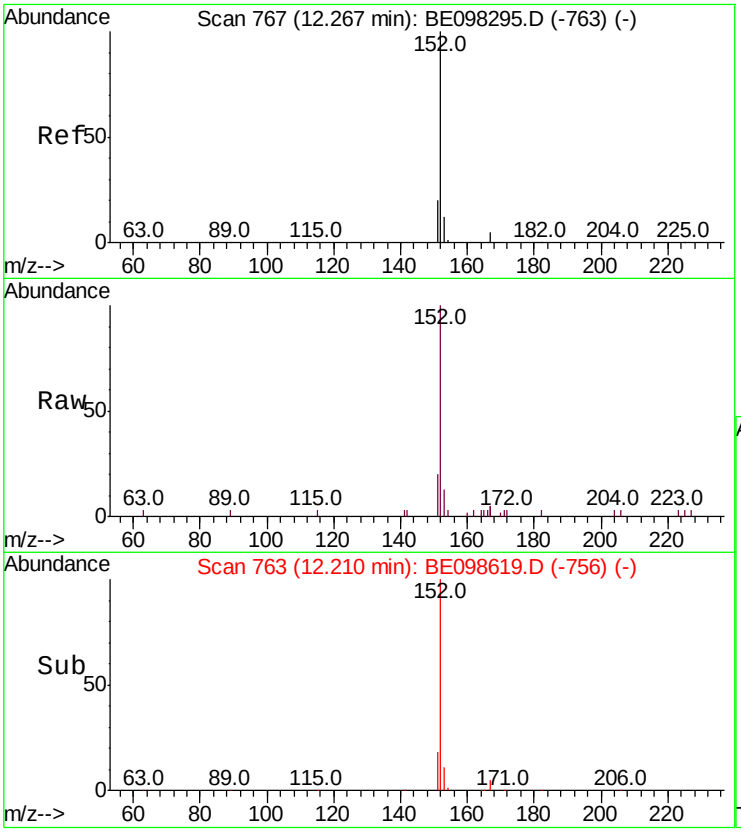


#10
Hexachlorobutadiene
Concen: 0.463 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:225 Resp: 1467

Ion	Ratio	Lower	Upper
225	100		
223	64.2	49.4	74.0
227	62.2	52.0	78.0



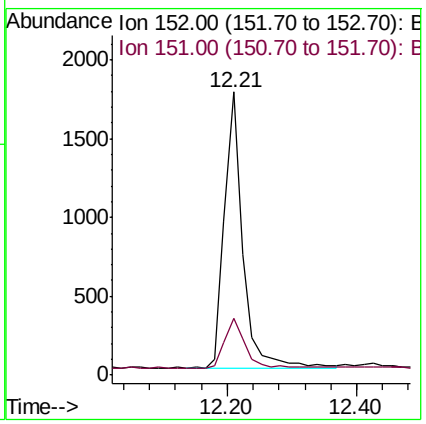


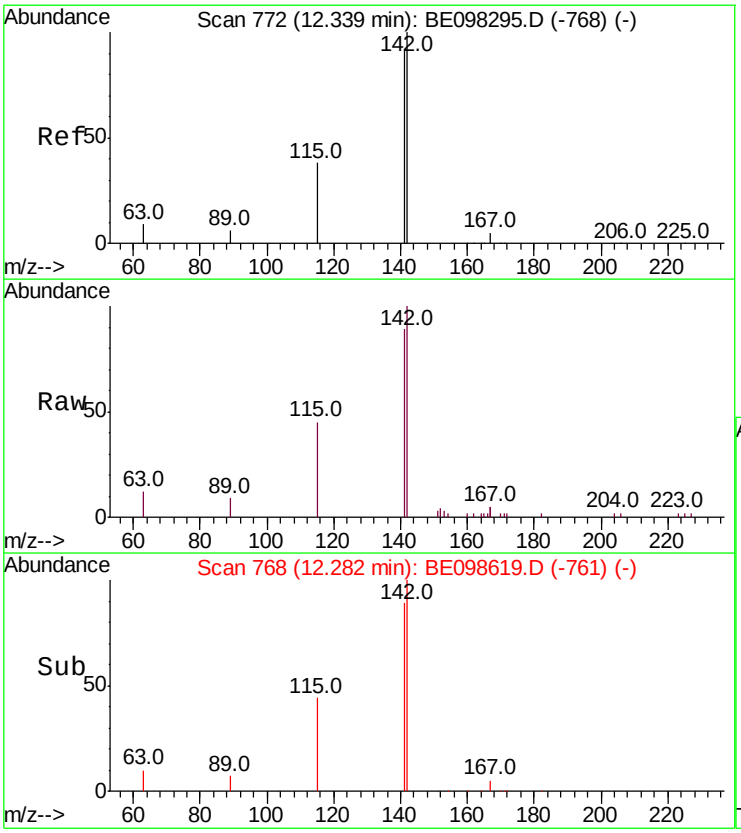
#11
2-Methylnaphthalene-d10
Concen: 0.425 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3421

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.2	24.4

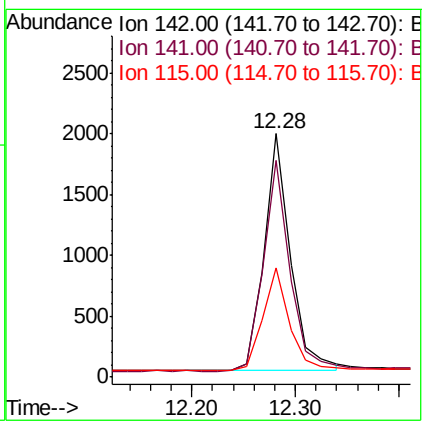


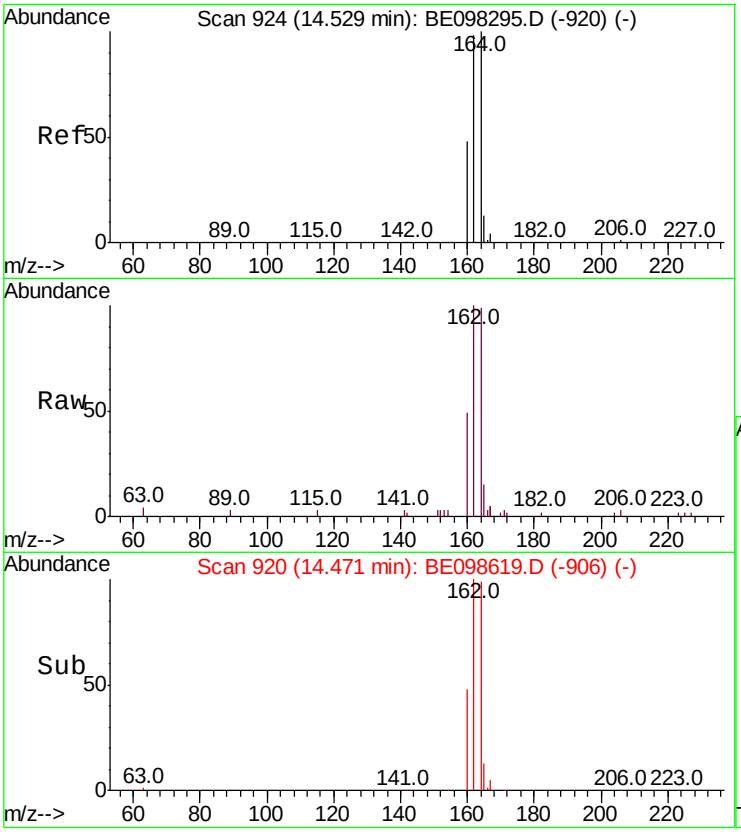


#12
2-Methylnaphthalene
Concen: 0.428 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:142 Resp: 3463

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.0	106.6
115	45.1	32.2	48.2



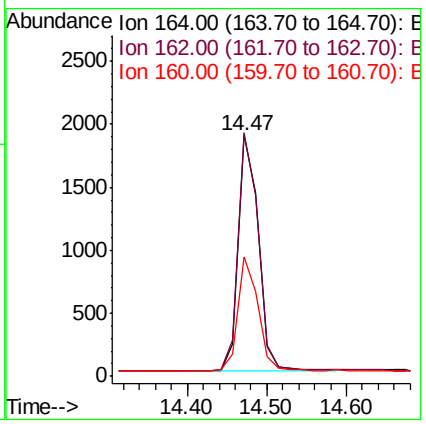


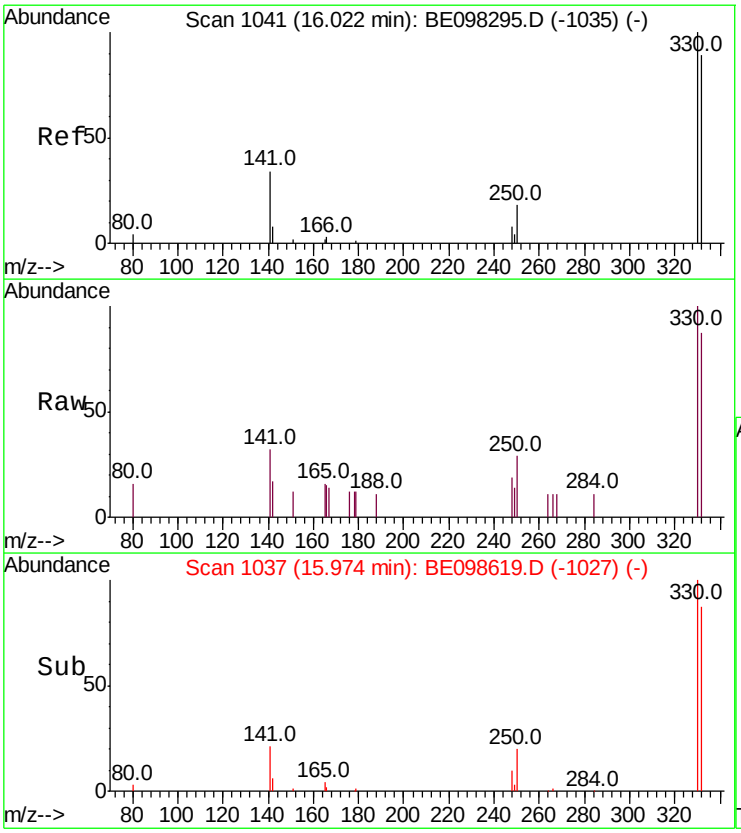
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 3245

Ion	Ratio	Lower	Upper
164	100		
162	101.2	77.6	116.4
160	49.6	36.0	54.0

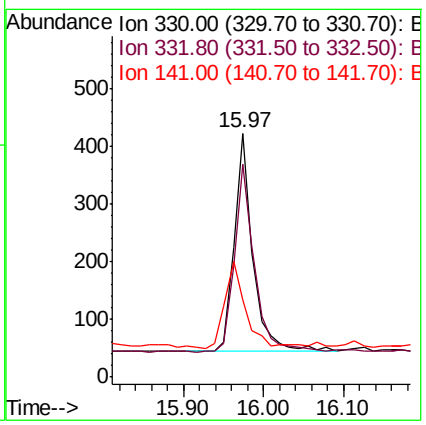


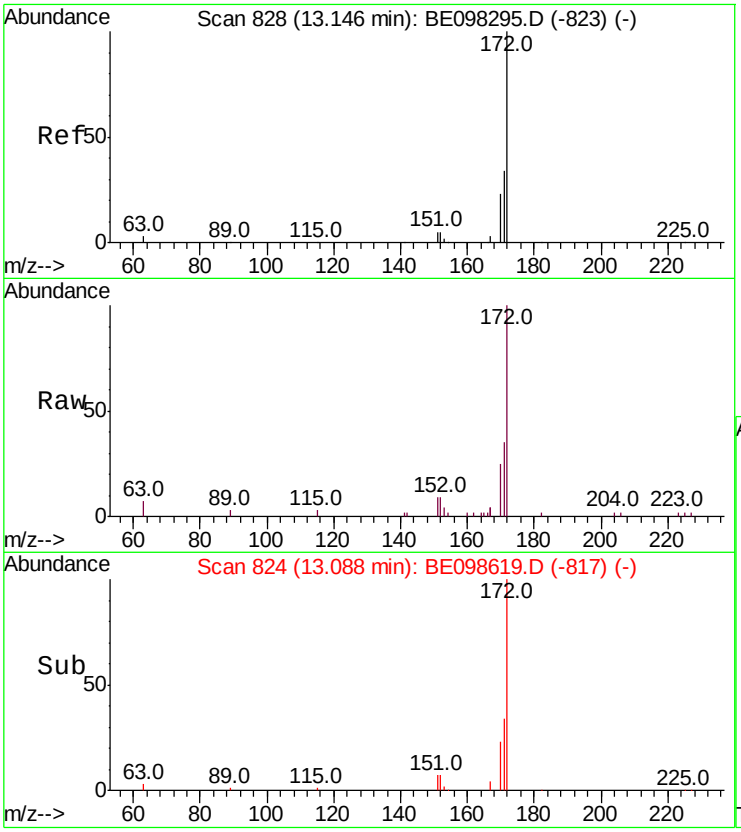


#14
2,4,6-Tribromophenol
Concen: 0.517 ng
RT: 15.97 min Scan# 1037
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:330 Resp: 616

Ion	Ratio	Lower	Upper
330	100		
332	94.2	76.2	114.4
141	40.7	39.0	58.4



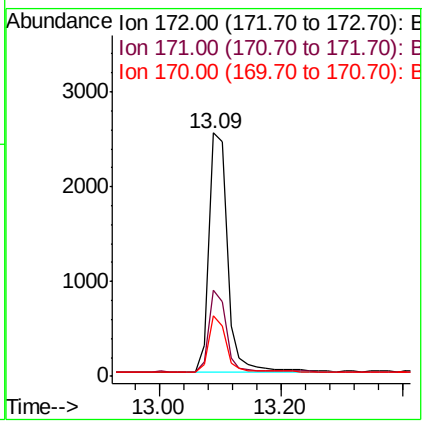


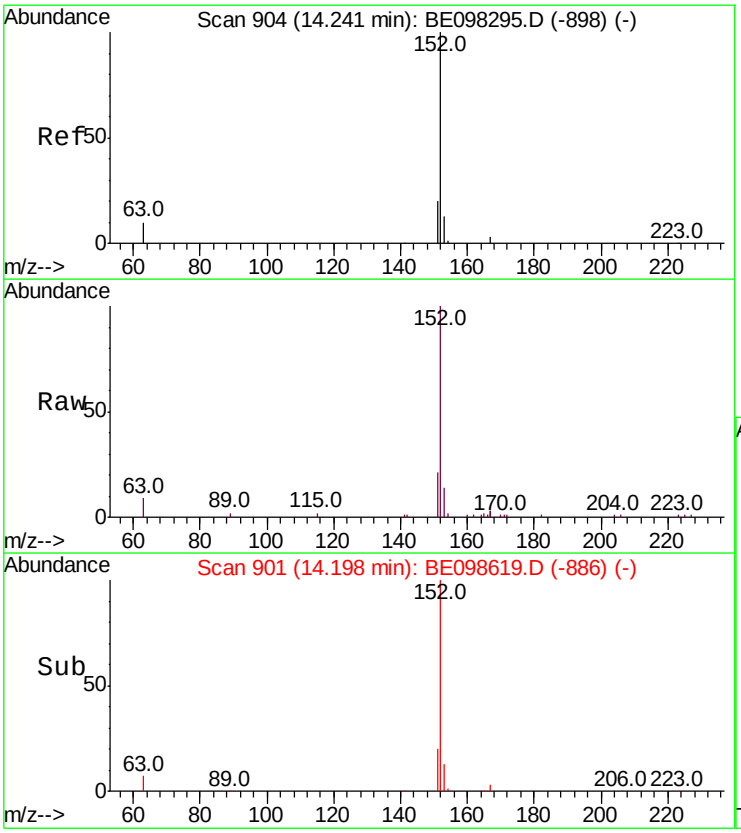
#15
2-Fluorobiphenyl
Concen: 0.392 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 5372

Ion	Ratio	Lower	Upper
172	100		
171	35.3	27.5	41.3
170	24.6	19.6	29.4

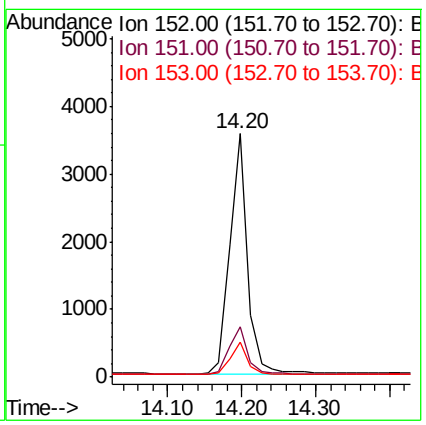


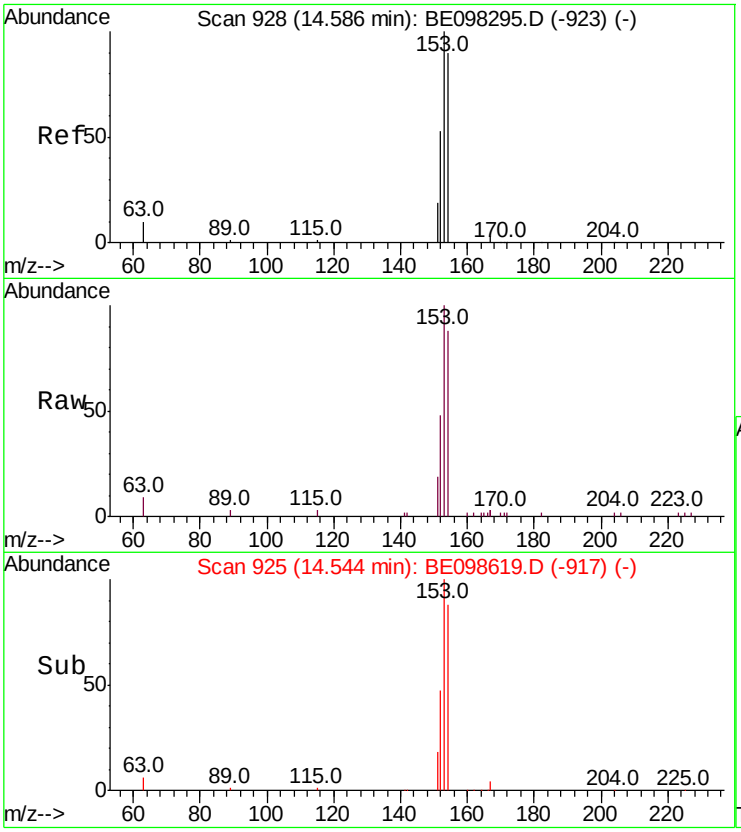


#16
Acenaphthylene
Concen: 0.389 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.02 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:152 Resp: 5915

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.5	23.3
153	12.5	10.6	16.0



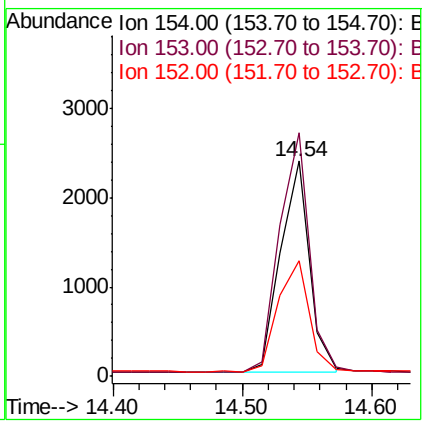


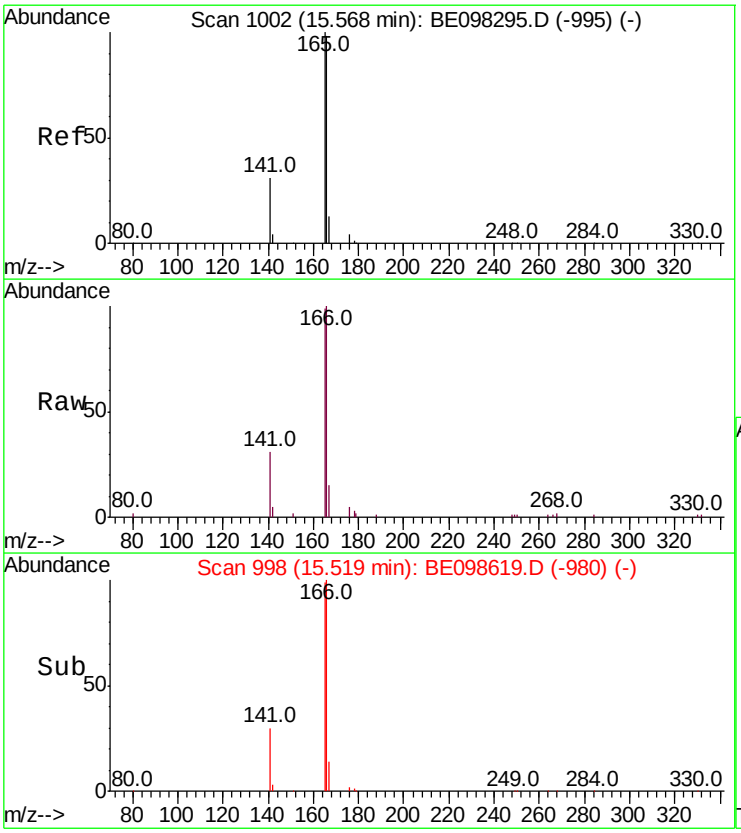
#17
Acenaphthene
Concen: 0.405 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.02 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 3700

Ion	Ratio	Lower	Upper
154	100		
153	116.0	91.8	137.6
152	56.4	45.5	68.3

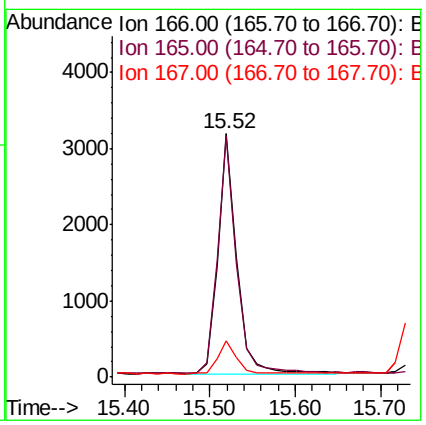


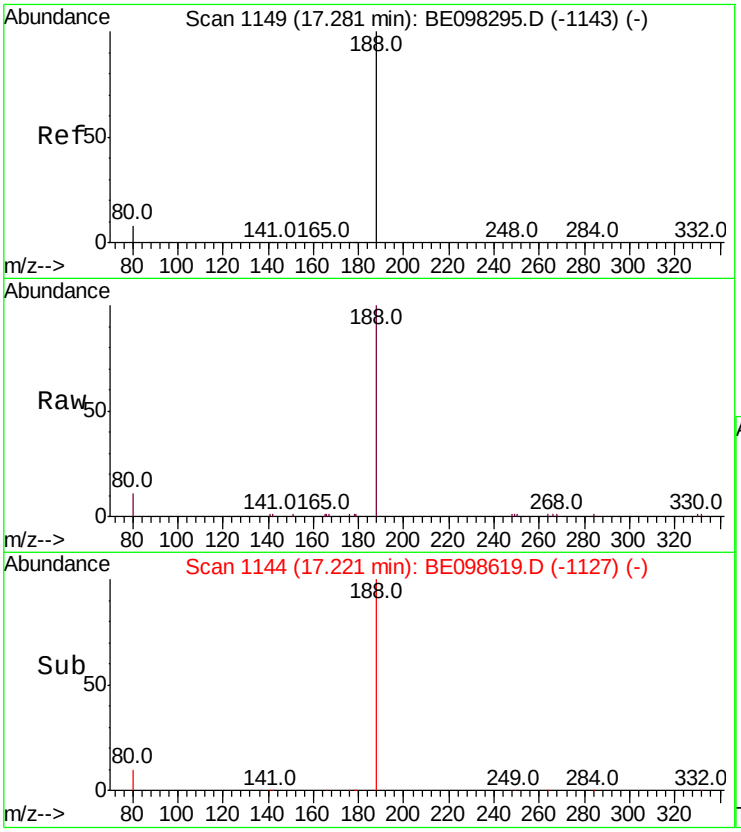


#18
Fluorene
Concen: 0.396 ng
RT: 15.52 min Scan# 998
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:166 Resp: 4837

Ion	Ratio	Lower	Upper
166	100		
165	99.8	79.3	118.9
167	13.7	11.3	16.9



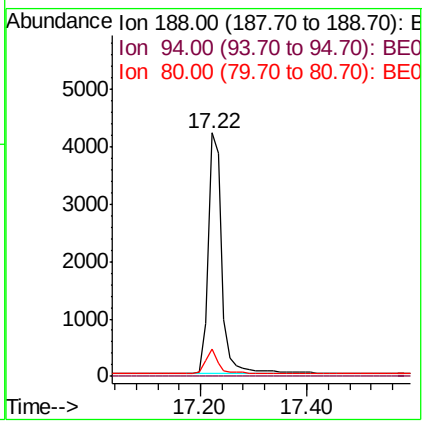


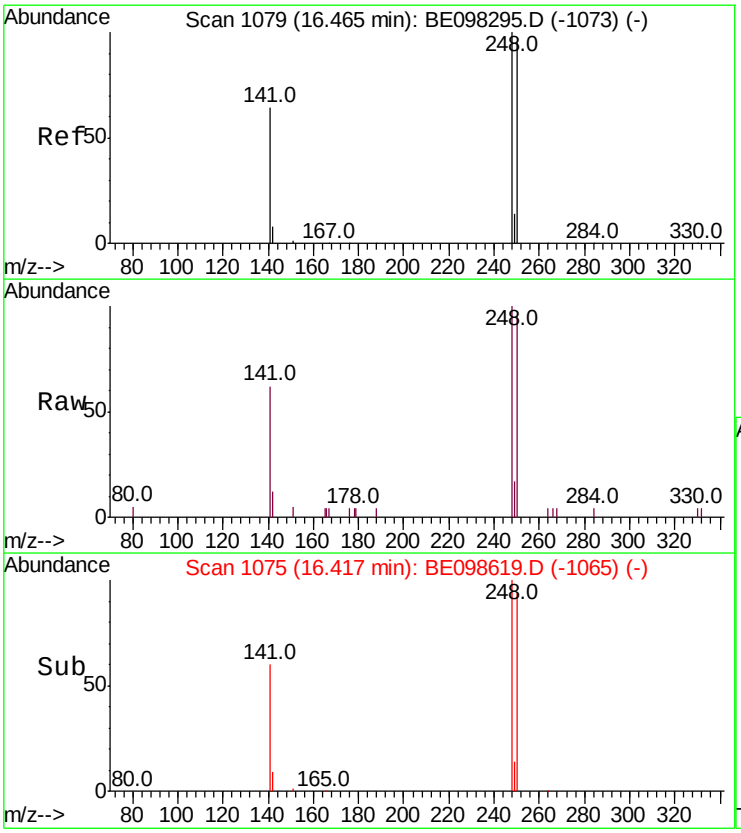
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.22 min Scan# 1144
Delta R.T. 0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 7629

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.4	7.2	10.8#

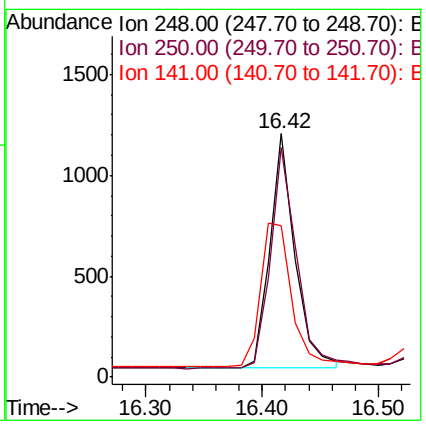


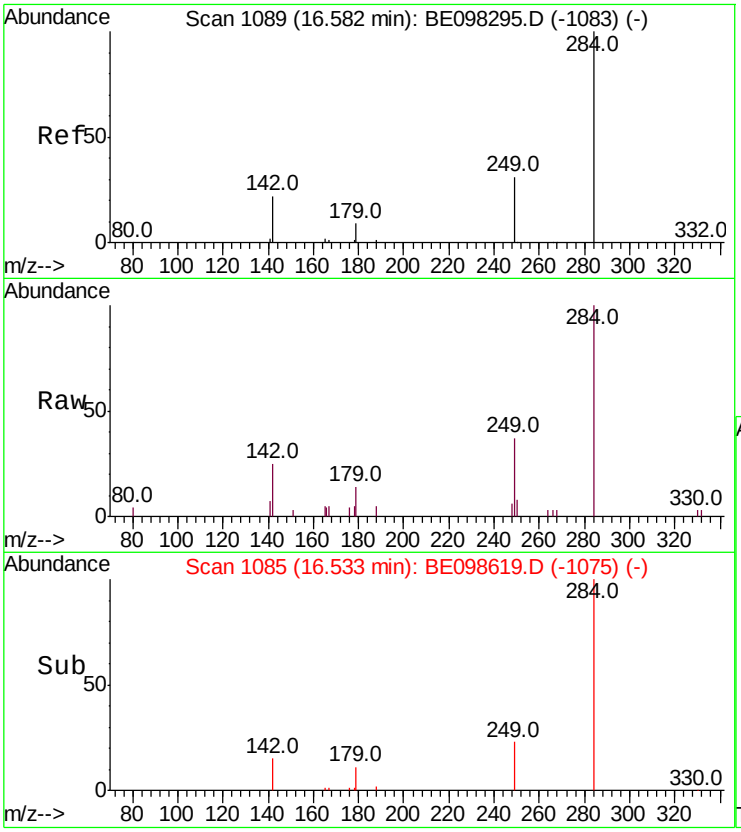


#20
4-Bromophenyl-phenylether
Concen: 0.424 ng
RT: 16.42 min Scan# 1075
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:248 Resp: 1741

Ion	Ratio	Lower	Upper
248	100		
250	94.5	71.0	106.6
141	62.1	62.1	93.1#



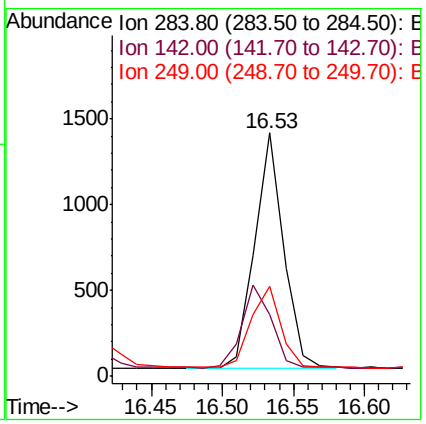


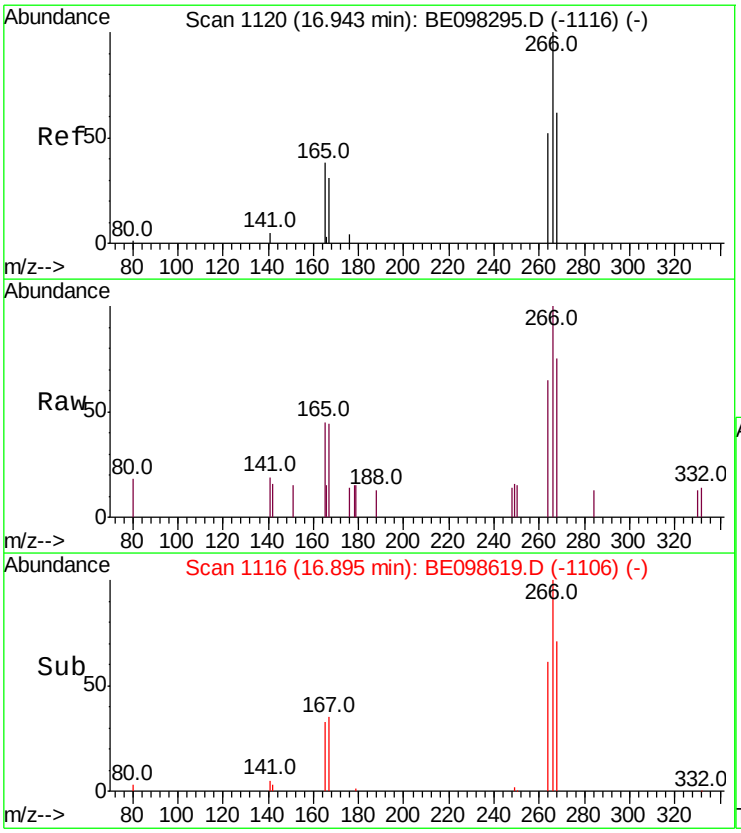
#21
Hexachlorobenzene
Concen: 0.444 ng
RT: 16.53 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 1962

Ion	Ratio	Lower	Upper
284	100		
142	34.9	26.3	39.5
249	34.5	26.0	39.0

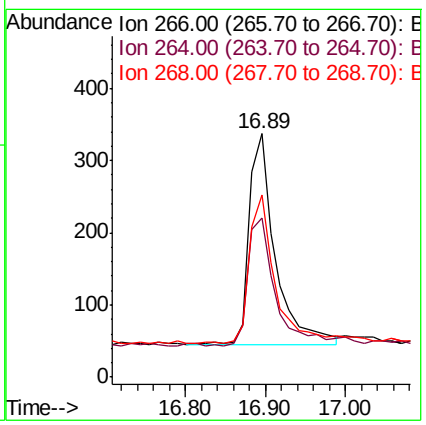


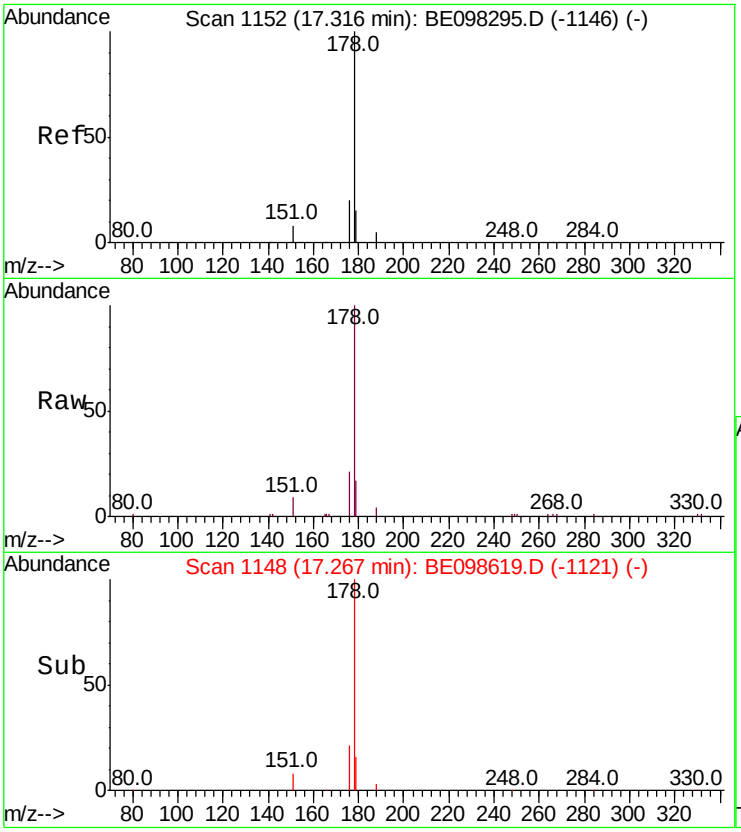


#22
Pentachlorophenol
Concen: 0.815 ng
RT: 16.89 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:266 Resp: 662

Ion	Ratio	Lower	Upper
266	100		
264	65.3	59.0	88.4
268	74.8	55.1	82.7



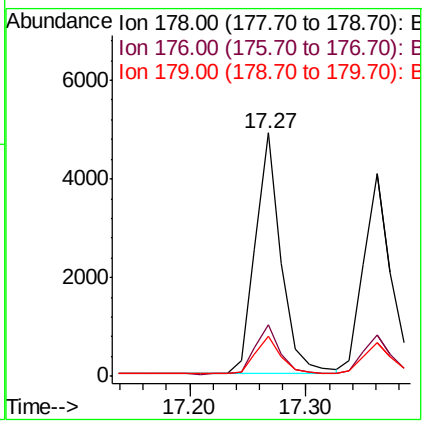


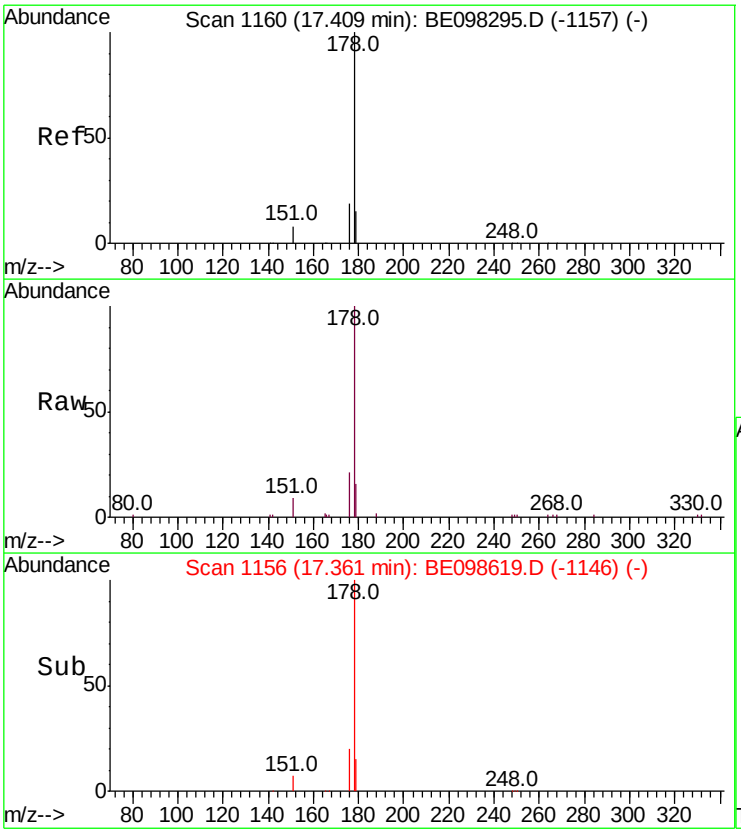
#23
Phenanthrene
Concen: 0.408 ng
RT: 17.27 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 7557

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.5	12.3	18.5

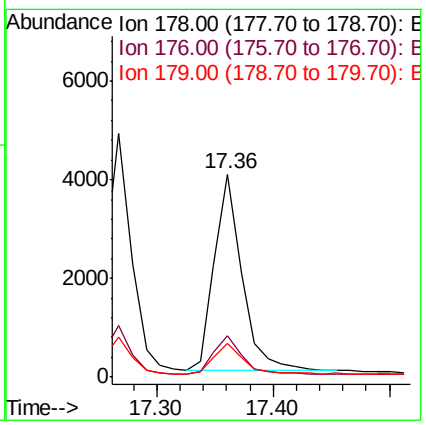


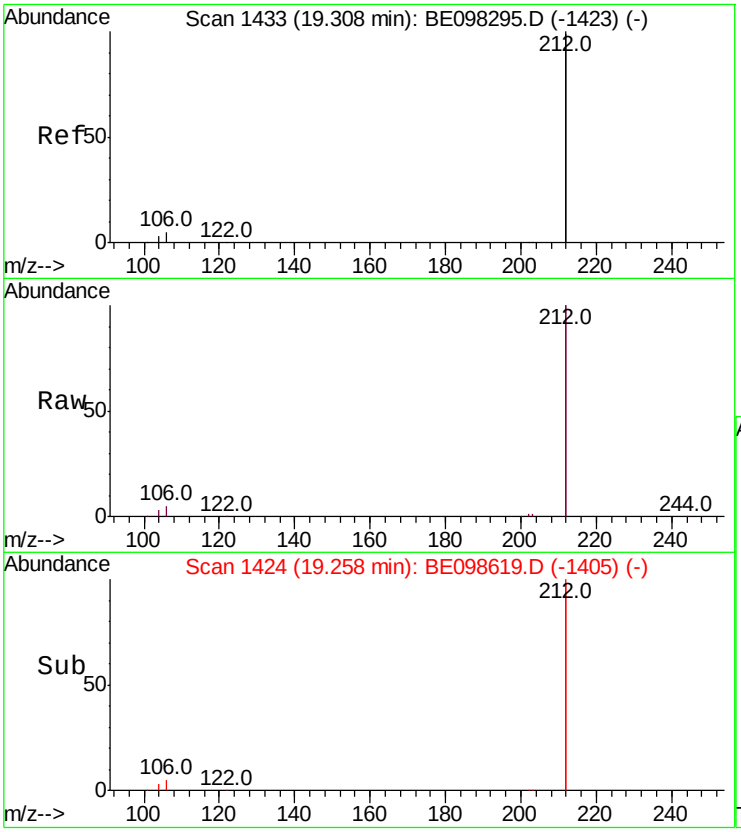


#24
Anthracene
Concen: 0.393 ng
RT: 17.36 min Scan# 1156
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:178 Resp: 6491

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.0	22.4
179	15.5	12.3	18.5



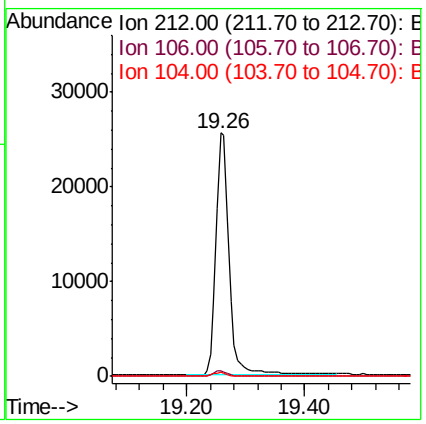


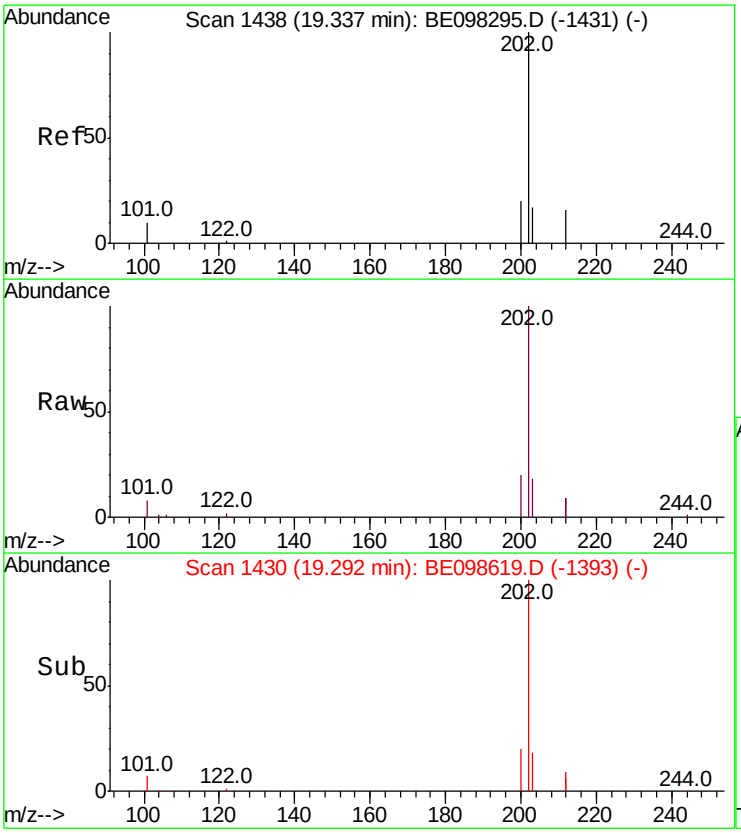
#25
Fluoranthene-d10
Concen: 0.402 ng
RT: 19.26 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 39339

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

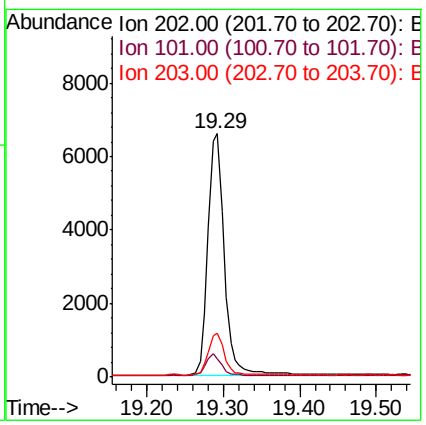


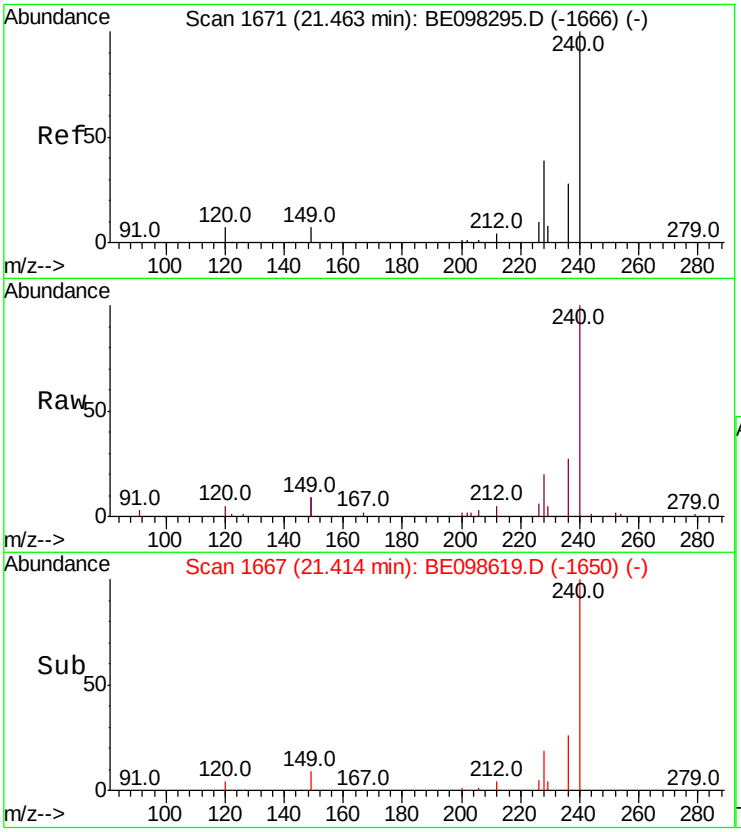


#26
Fluoranthene
Concen: 0.400 ng
RT: 19.29 min Scan# 1430
Delta R.T. 0.02 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:202 Resp: 9811

Ion	Ratio	Lower	Upper
202	100		
101	8.3	8.0	12.0
203	16.8	13.8	20.6



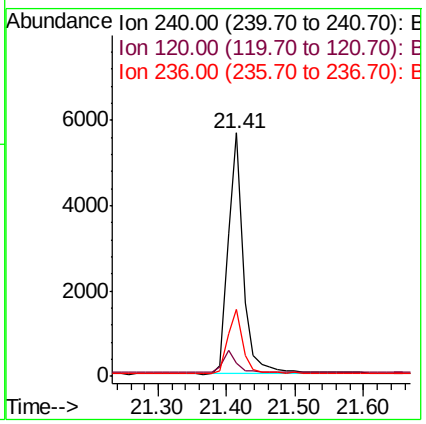


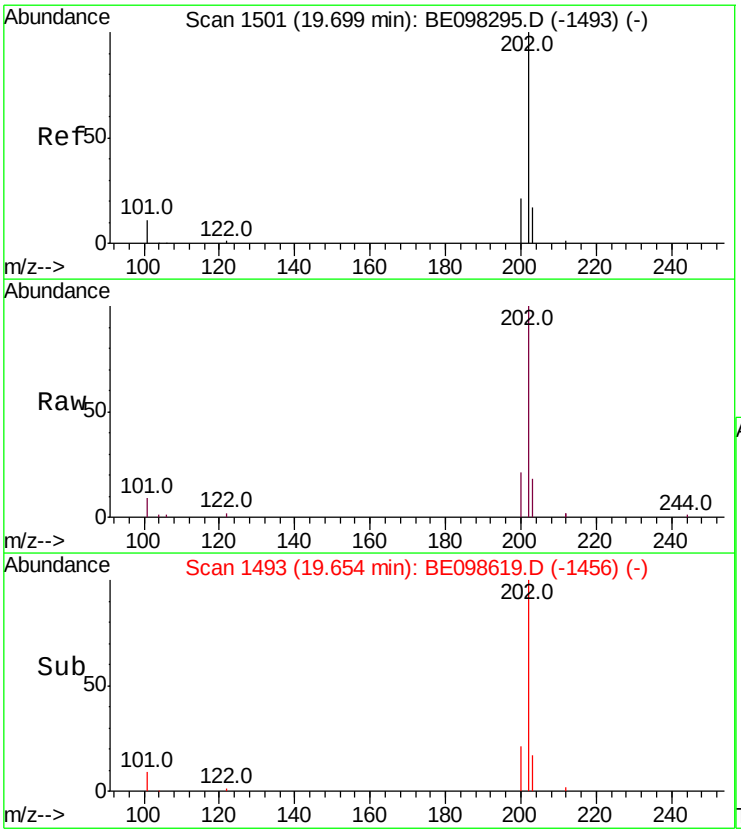
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.41 min Scan# 1667
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 8753

Ion	Ratio	Lower	Upper
240	100		
120	5.2	9.5	14.3#
236	27.3	22.7	34.1

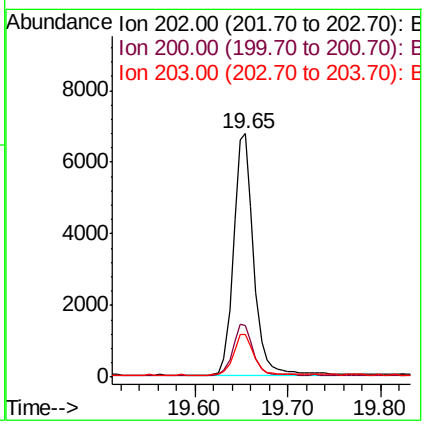


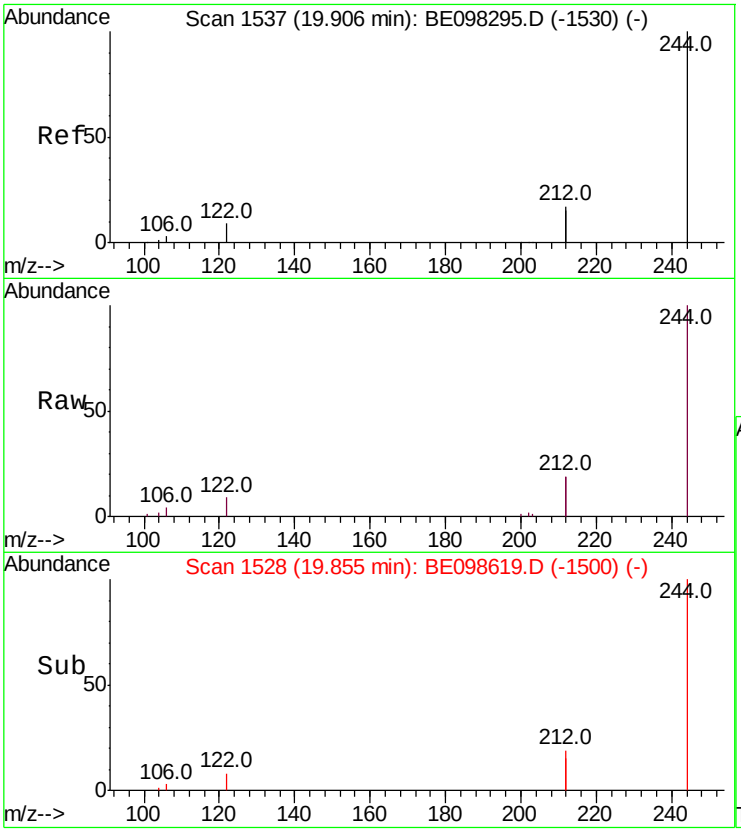


#28
Pyrene
Concen: 0.372 ng
RT: 19.65 min Scan# 1493
Delta R.T. 0.02 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:202 Resp: 10208

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.7	25.1
203	17.4	14.1	21.1



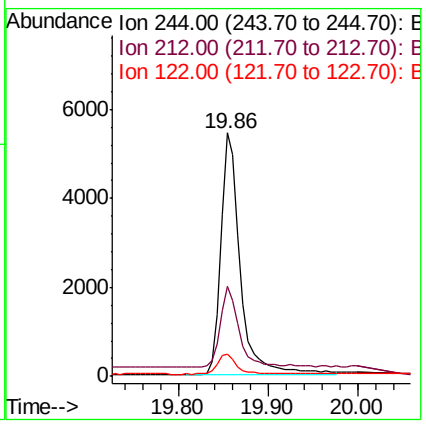


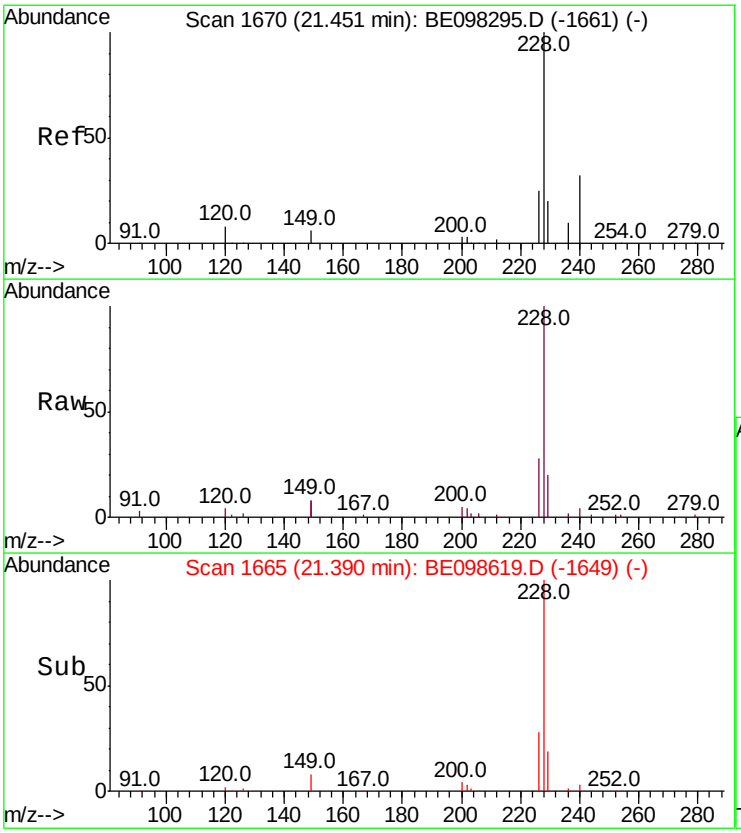
#29
Terphenyl-d14
Concen: 0.382 ng
RT: 19.86 min Scan# 1528
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 8122

Ion	Ratio	Lower	Upper
244	100		
212	37.0	27.4	41.0
122	9.1	8.3	12.5

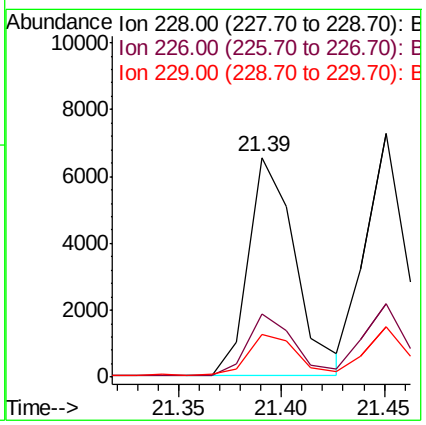


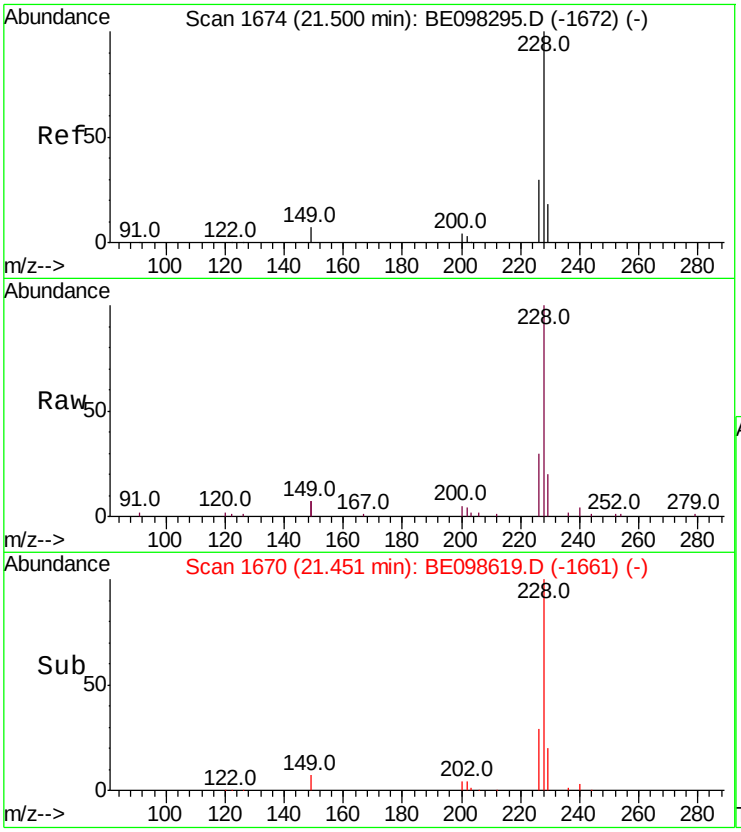


#30
Benzo(a)anthracene
Concen: 0.416 ng
RT: 21.39 min Scan# 1665
Delta R.T. -0.00 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:228 Resp: 10371

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.8	32.8
229	19.5	16.3	24.5



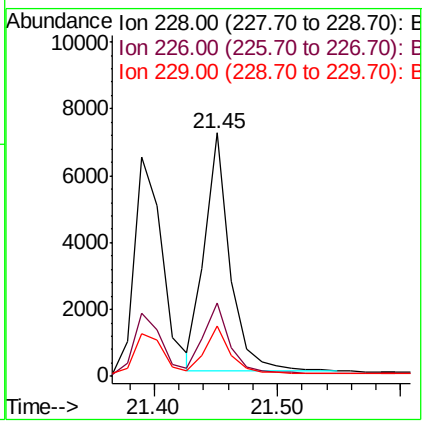


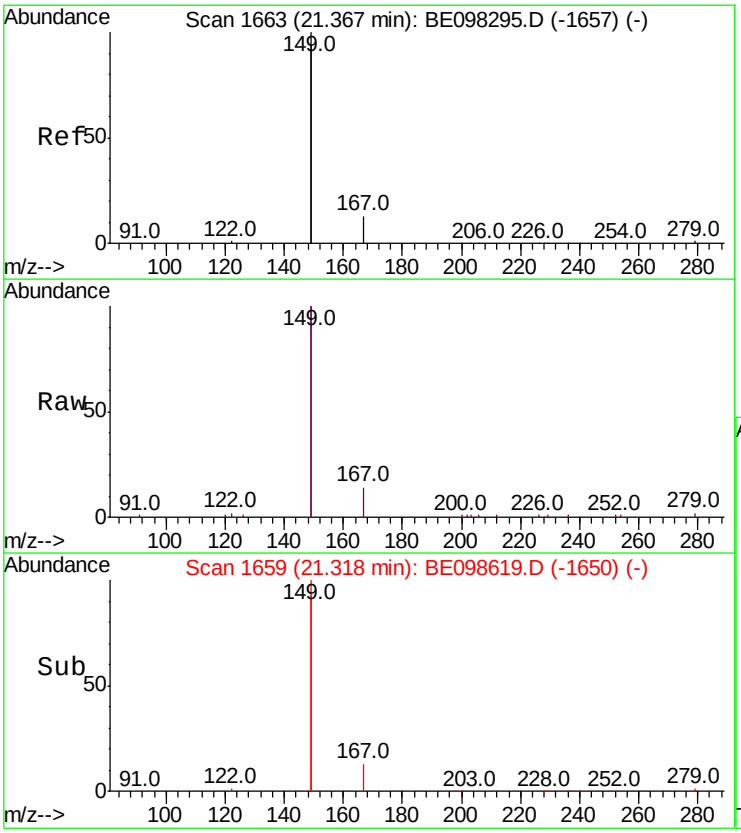
#31
Chrysene
Concen: 0.389 ng
RT: 21.45 min Scan# 1670
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 10148

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.4	35.0
229	20.5	16.2	24.4

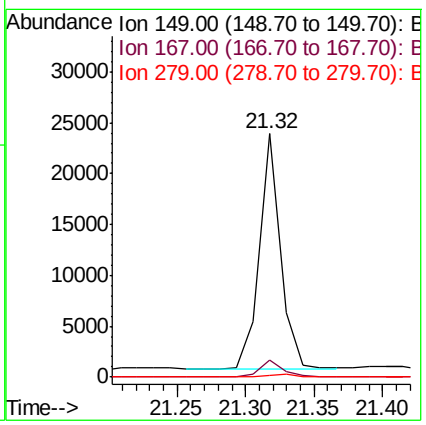


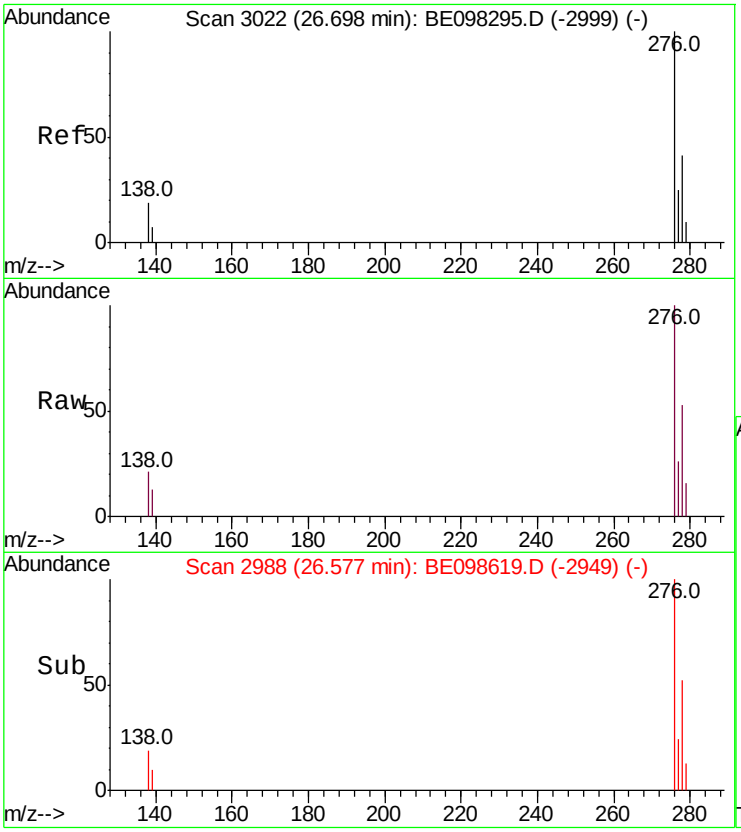


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.490 ng
RT: 21.32 min Scan# 1659
Delta R.T. 0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:149 Resp: 24793

Ion	Ratio	Lower	Upper
149	100		
167	6.8	5.7	8.5
279	1.2	1.0	1.4



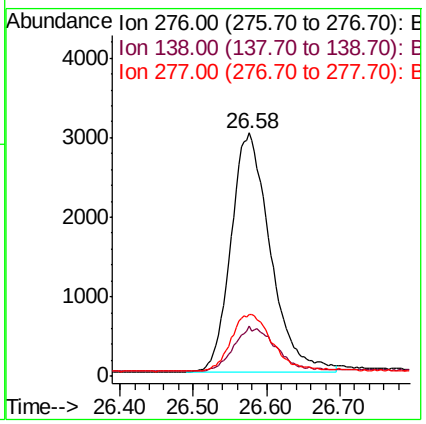


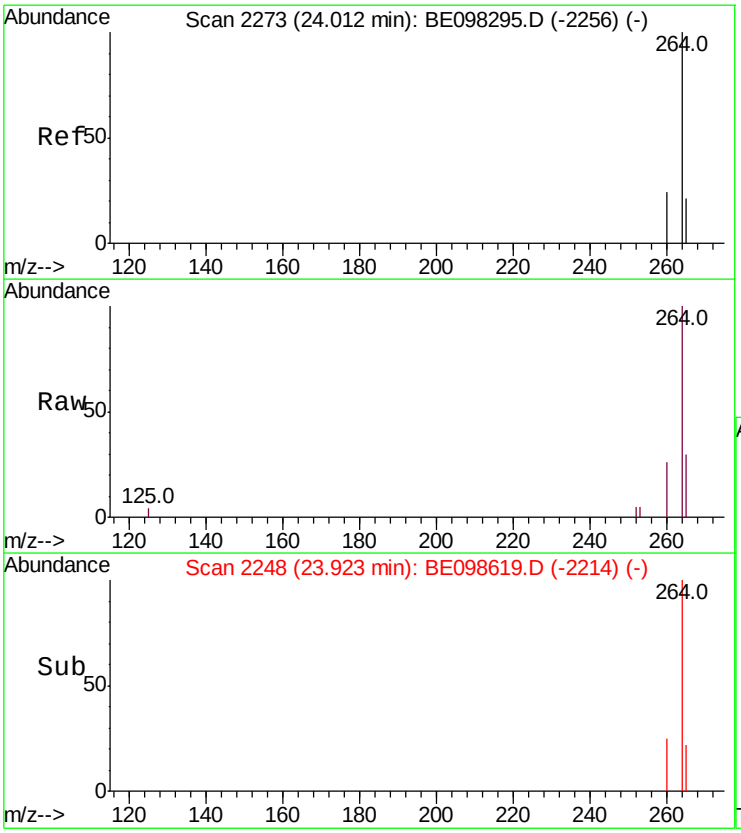
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.431 ng
RT: 26.58 min Scan# 2988
Delta R.T. -0.06 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 11203

Ion	Ratio	Lower	Upper
276	100		
138	19.0	16.3	24.5
277	24.9	20.2	30.4

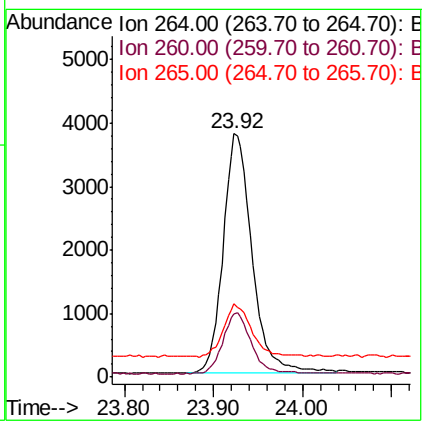


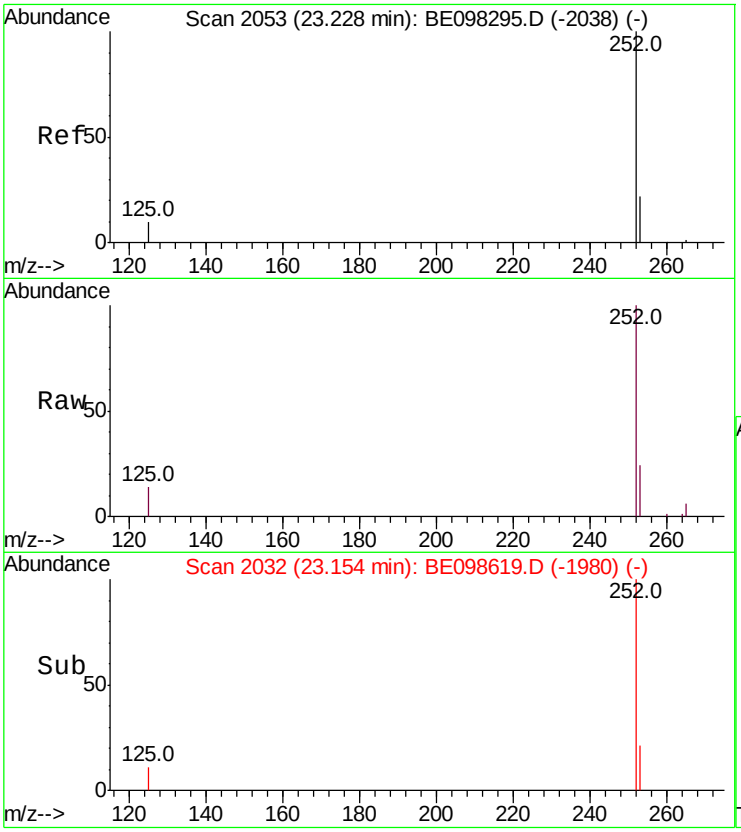


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2248
Delta R.T. -0.03 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:264 Resp: 8604

Ion	Ratio	Lower	Upper
264	100		
260	26.0	20.2	30.2
265	29.9	25.2	37.8



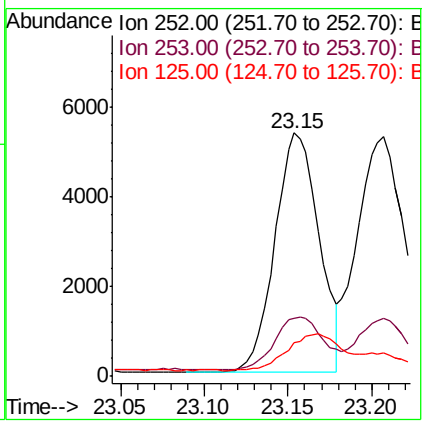


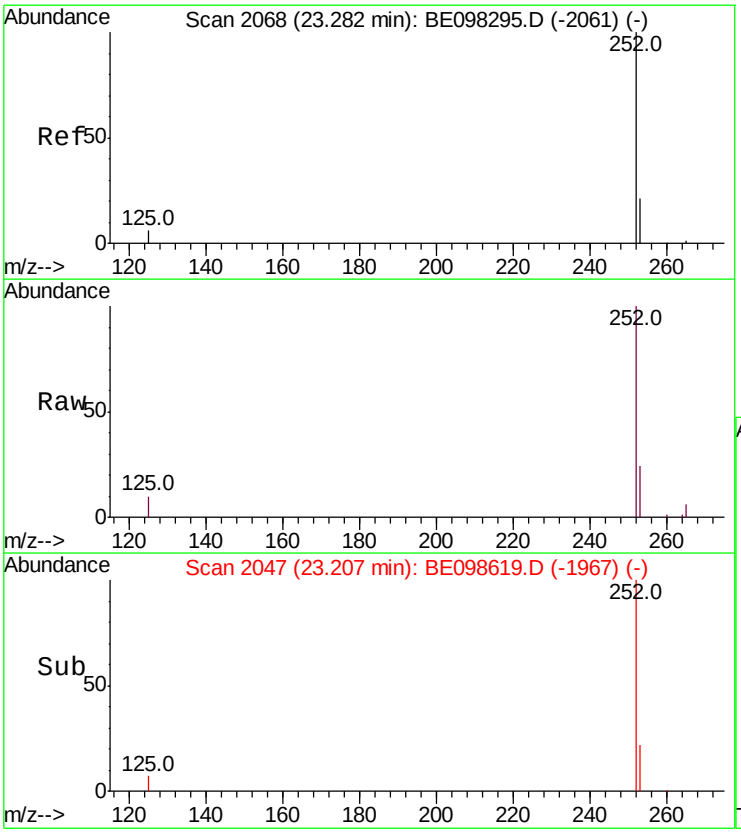
#35
Benzo(b)fluoranthene
Concen: 0.418 ng
RT: 23.15 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9832

Ion	Ratio	Lower	Upper
252	100		
253	24.0	20.0	30.0
125	13.8	9.6	14.4

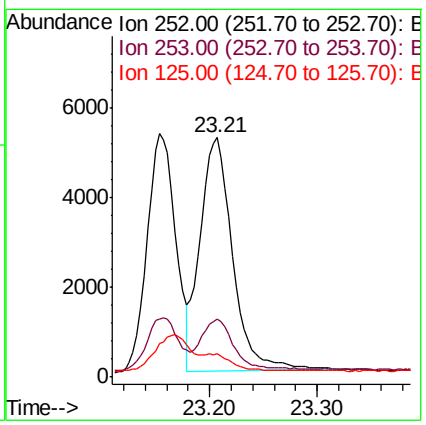


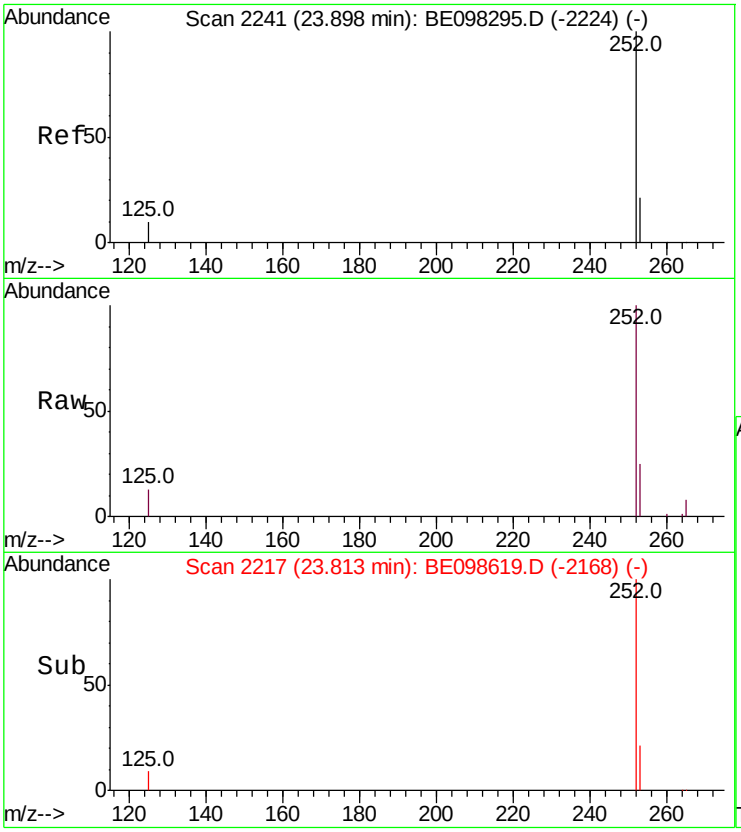


#36
Benzo(k)fluoranthene
Concen: 0.400 ng
RT: 23.21 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:252 Resp: 10956

Ion	Ratio	Lower	Upper
252	100		
253	24.2	19.0	28.6
125	9.9	9.1	13.7



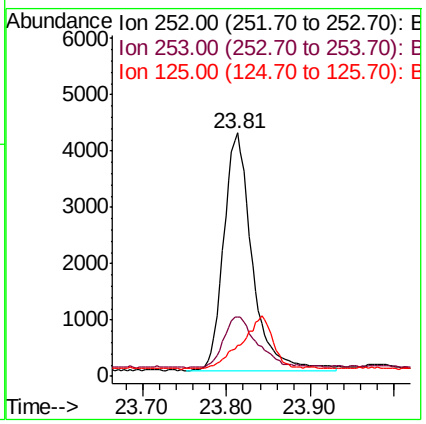


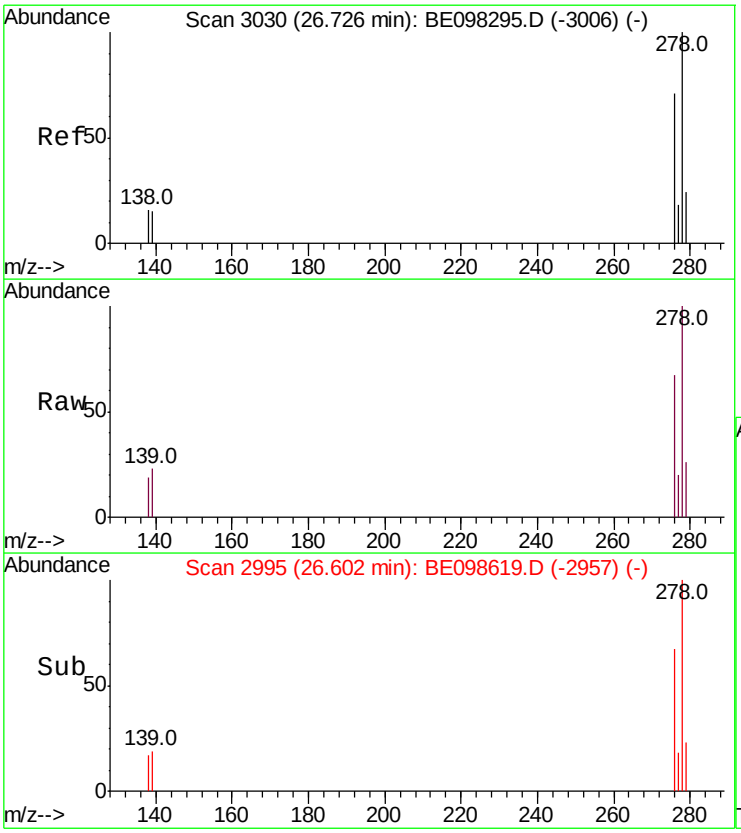
#37
Benzo(a)pyrene
Concen: 0.411 ng
RT: 23.81 min Scan# 2217
Delta R.T. -0.03 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 9982

Ion	Ratio	Lower	Upper
252	100		
253	24.5	20.6	30.8
125	12.7	10.5	15.7

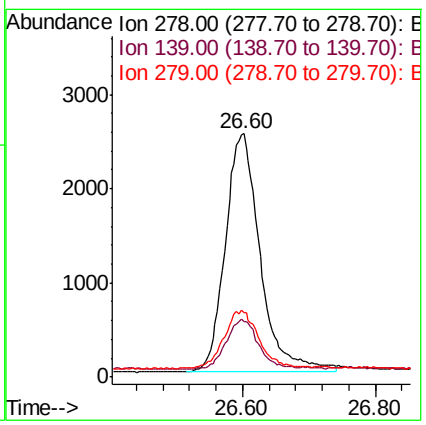


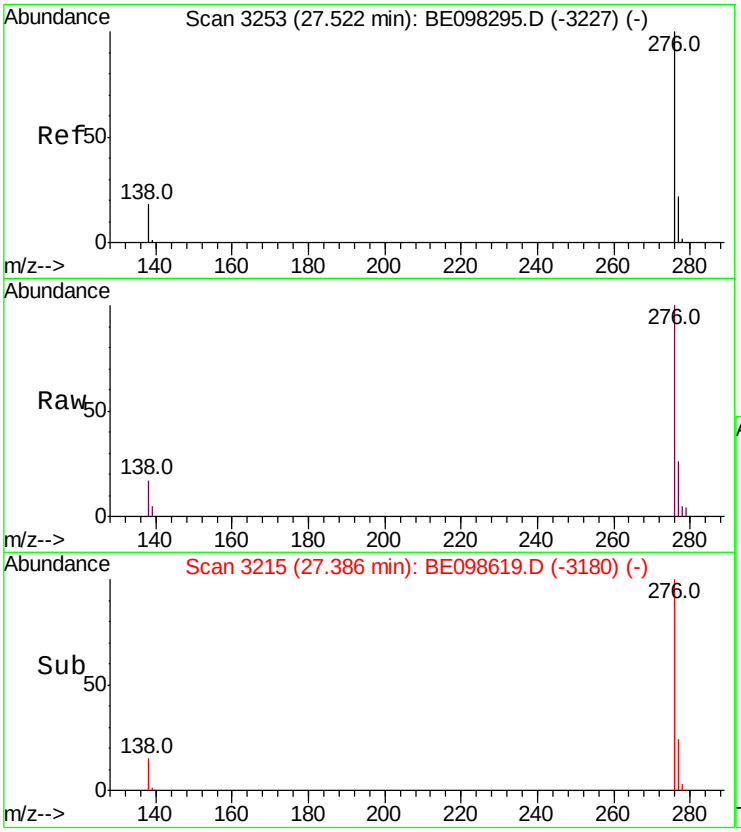


#38
Dibenzo(a,h)anthracene
Concen: 0.404 ng
RT: 26.60 min Scan# 2995
Delta R.T. -0.06 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Tgt Ion:278 Resp: 9232

Ion	Ratio	Lower	Upper
278	100		
139	22.5	14.5	21.7#
279	26.3	21.8	32.8





#39
Benzo(g,h,i)perylene
Concen: 0.410 ng
RT: 27.39 min Scan# 3215
Delta R.T. -0.08 min
Lab File: BE098619.D
Acq: 4 Jan 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 9457

Ion	Ratio	Lower	Upper
276	100		
277	25.8	20.8	31.2
138	17.2	15.8	23.6