Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE062119\
Data File : BE100131.D
Acq On : 21 Jun 2019 7:46
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jun 22 02:01:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	476	0.40	ng		-0.01
7) Naphthalene-d8	10.54	136	1942	0.40	ng		0.00
13) Acenaphthene-d10	14.41	164	1892	0.40	ng		0.00
19) Phenanthrene-d10	17.16	188	6390	0.40	ng		0.00
27) Chrysene-d12	21.34	240	8079	0.40	ng		0.00
34) Perylene-d12	23.85	264	7963	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	633	0.64	ng		0.00
5) Phenol-d6	6.94	99	763	0.56	ng		0.01
8) Nitrobenzene-d5	8.91	82	687	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.15	152	1579	0.43	ng		0.00
14) 2,4,6-Tribromophenol	15.93	330	150	0.14	ng		0.01
15) 2-Fluorobiphenyl	13.04	172	2868	0.39	ng		0.00
25) Fluoranthene-d10	19.19	212	34467	0.38	ng		0.00
29) Terphenyl-d14	19.80	244	7090	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.19	88	284	0.372	ng	#	92
3) n-Nitrosodimethylamine	3.56	42	164	0.668	ng	#	100
6) bis(2-Chloroethyl)ether	7.17	93	489	0.383	ng		78
9) Naphthalene	10.59	128	8468	0.401	ng		100
10) Hexachlorobutadiene	10.85	225	701	0.338	ng		99
12) 2-Methylnaphthalene	12.22	142	1559	0.449	ng		93
16) Acenaphthylene	14.14	152	3726	0.415	ng		99
17) Acenaphthene	14.47	154	2109	0.420	ng		95
18) Fluorene	15.46	166	3184	0.426	ng		98
20) 4-Bromophenyl-phenylether	16.36	248	1531	0.403	ng		95
21) Hexachlorobenzene	16.45	284	1583	0.378	ng		97
22) Pentachlorophenol	16.93	266	59	0.286	ng		98
23) Phenanthrene	17.20	178	6039	0.394	ng		98
24) Anthracene	17.30	178	5009	0.388	ng		98
26) Fluoranthene	19.22	202	9161	0.373	ng		99
28) Pyrene	19.59	202	9435	0.454	ng		100
30) Benzo(a)anthracene	21.33	228	10224	0.425	ng		98
31) Chrysene	21.39	228	10730	0.384	ng		99
32) Bis(2-ethylhexyl)phthalate	21.24	149	11784	0.520	ng		100
33) Indeno(1,2,3-cd)pyrene	26.49	276	6545	0.208	ng	#	71
35) Benzo(b)fluoranthene	23.08	252	8263	0.354	ng		97
36) Benzo(k)fluoranthene	23.13	252	11656	0.438	ng		98
37) Benzo(a)pyrene	23.74	252	8571	0.380	ng		96
38) Dibenzo(a,h)anthracene	26.53	278	4539	0.196	ng	#	91
39) Benzo(g,h,i)perylene	27.31	276	5743	0.239	ng		94

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

Quantitation Report (QT Reviewed)

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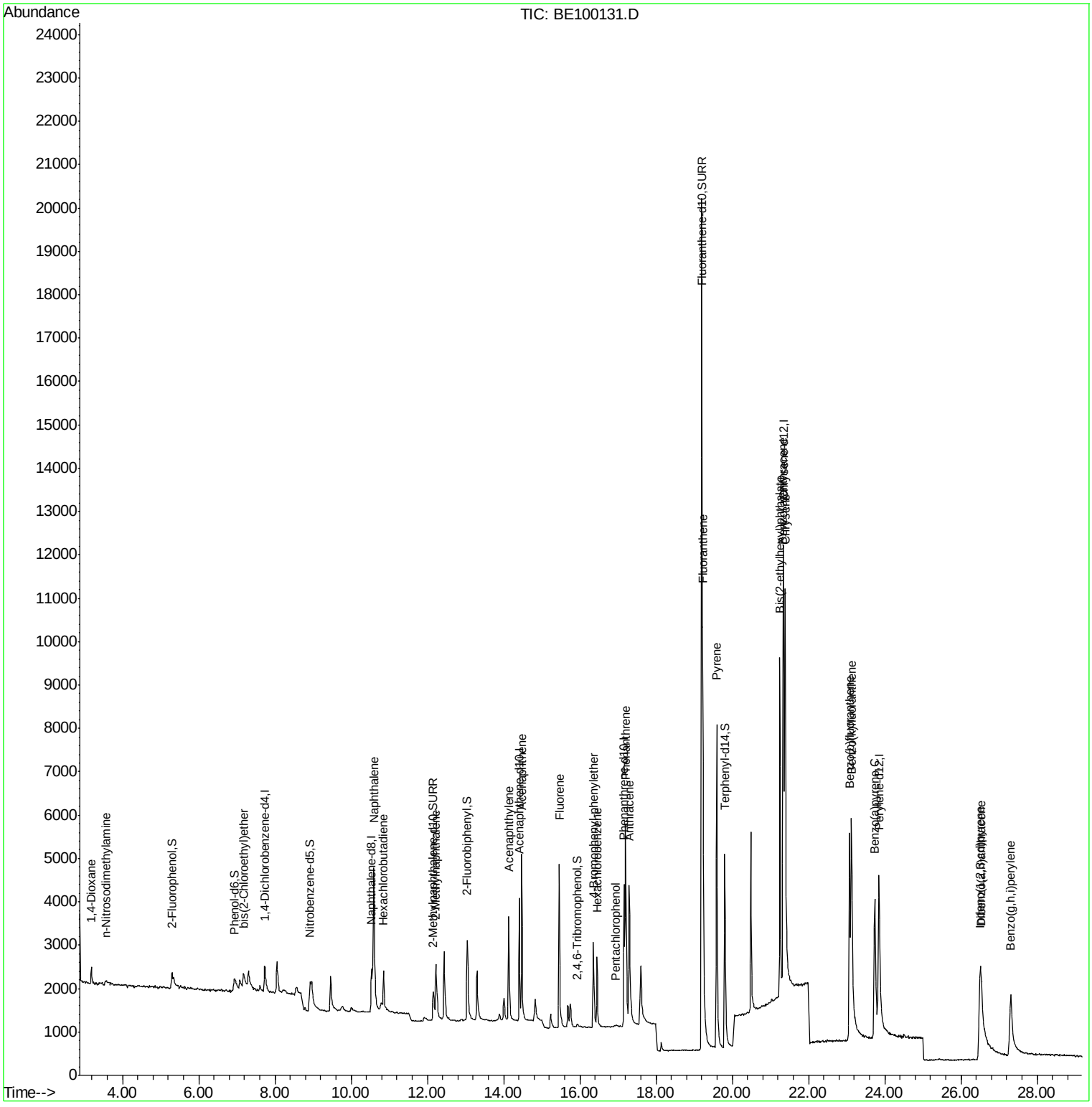
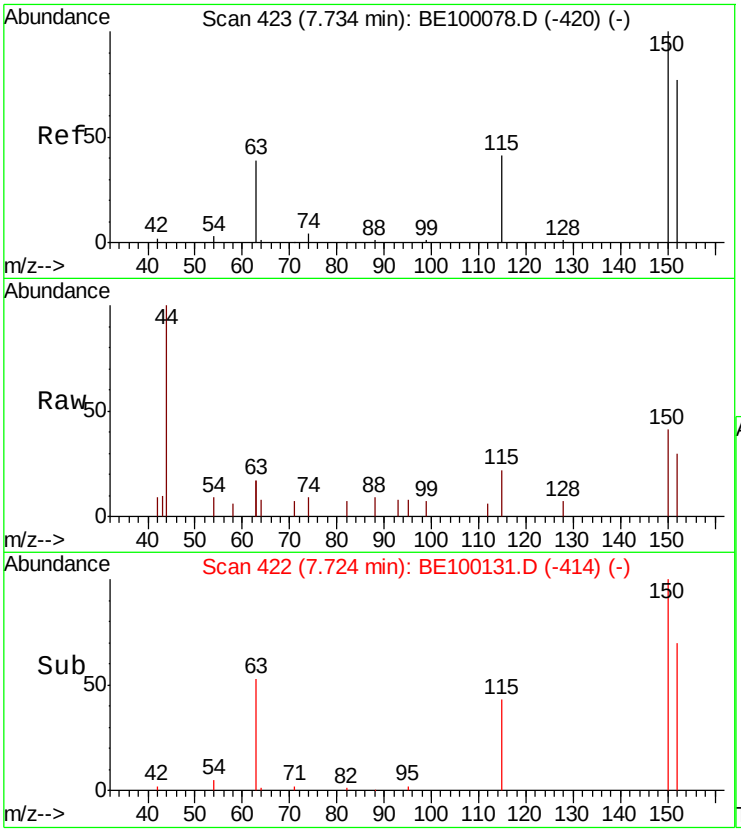
Data File : BE100131.D
Acq On : 21 Jun 2019 7:46
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Jun 22 02:01:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration



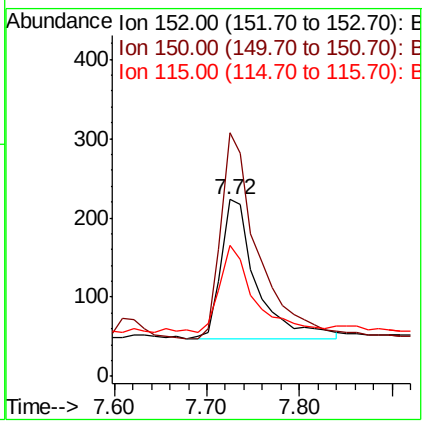


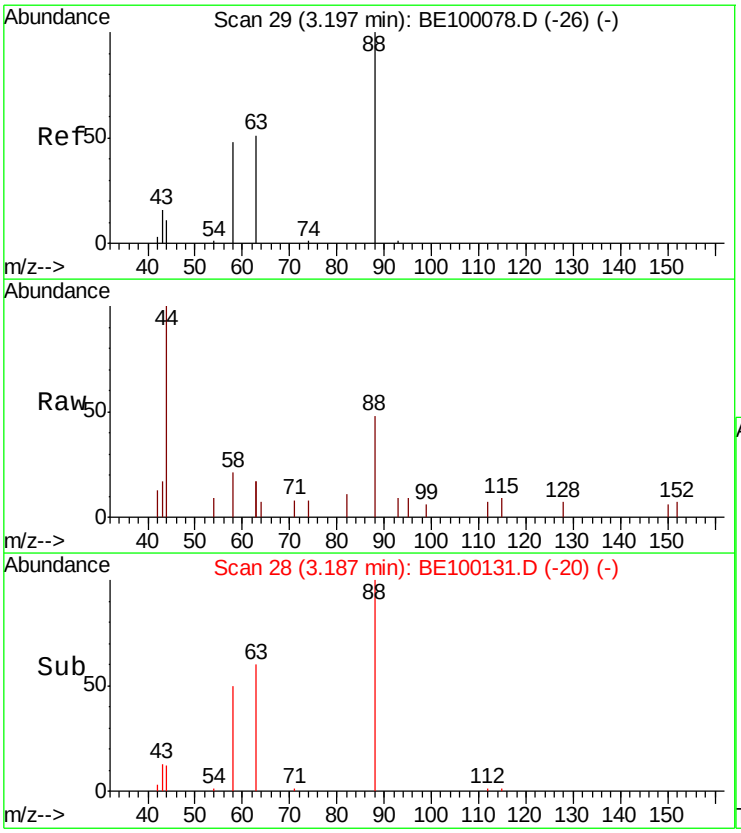
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 476

Ion	Ratio	Lower	Upper
152	100		
150	137.7	99.8	149.8
115	74.0	51.3	76.9

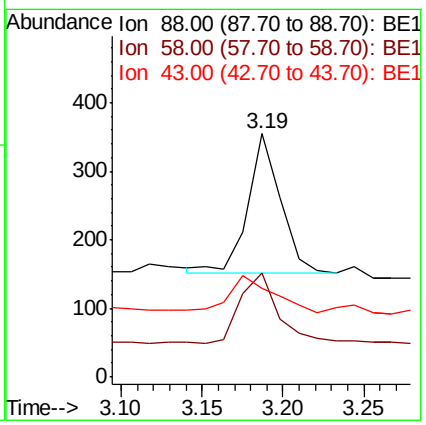


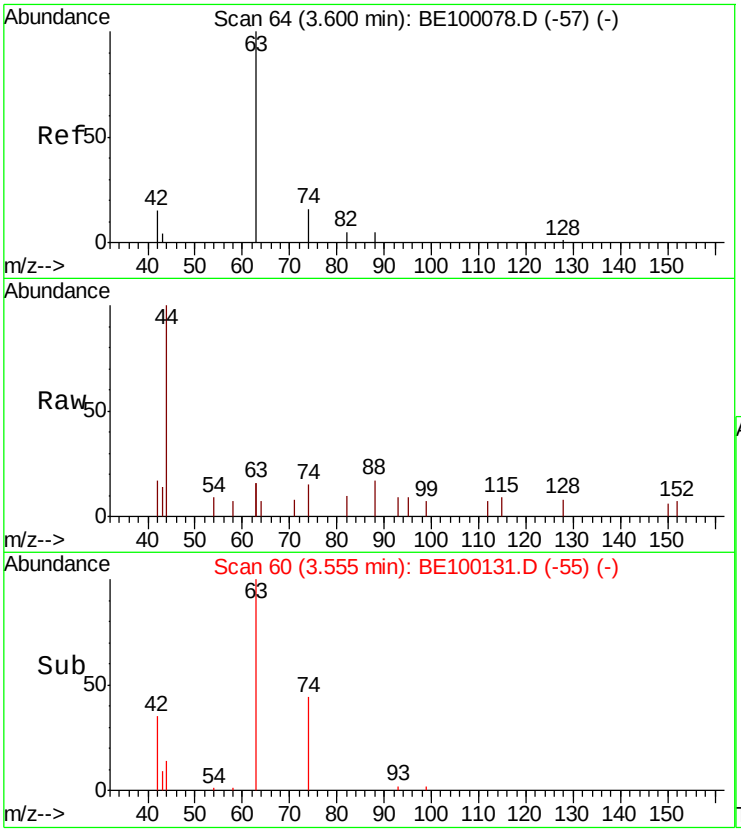


#2
1,4-Dioxane
Concen: 0.372 ng
RT: 3.19 min Scan# 28
Delta R.T. -0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion: 88 Resp: 284

Ion	Ratio	Lower	Upper
88	100		
58	59.9	51.1	76.7
43	34.5	21.7	32.5#



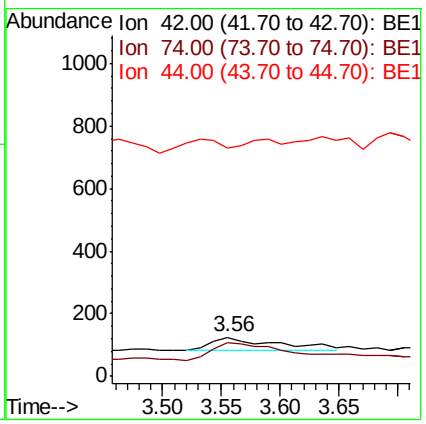


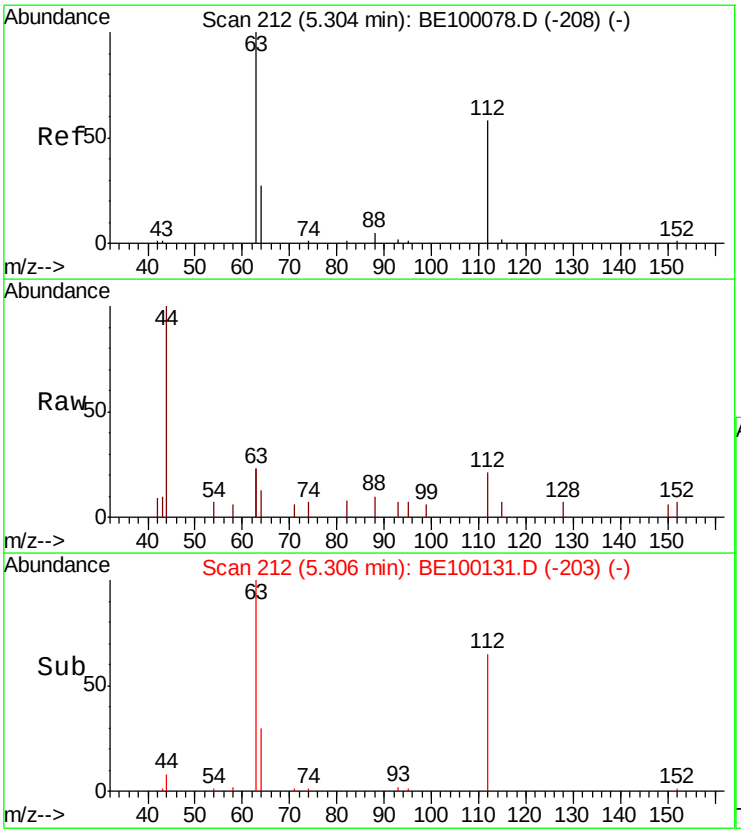
#3
n-Nitrosodimethylamine
Concen: 0.668 ng
RT: 3.56 min Scan# 60
Delta R.T. -0.04 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 164

Ion	Ratio	Lower	Upper
42	100		
74	141.5	0.0	0.0#
44	0.0	0.0	0.0

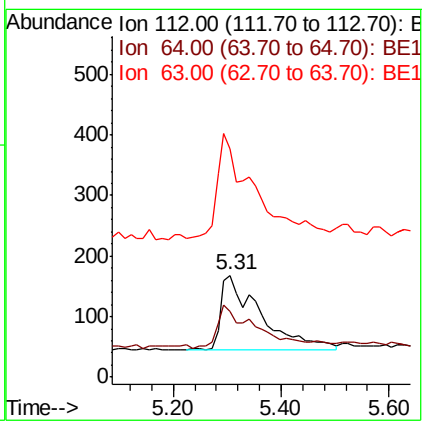


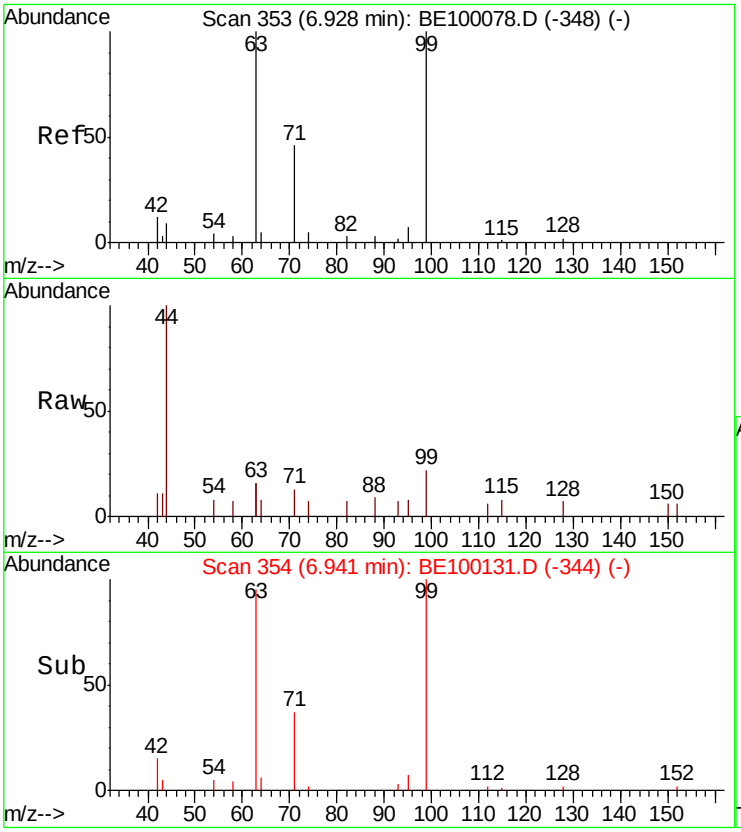


#4
2-Fluorophenol
Concen: 0.641 ng
RT: 5.31 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:112 Resp: 633

Ion	Ratio	Lower	Upper
112	100		
64	55.5	22.0	33.0#
63	128.4	121.8	182.6



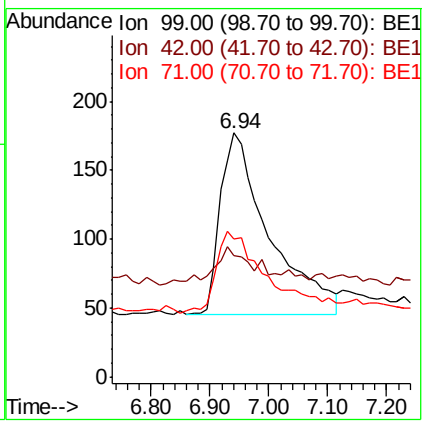


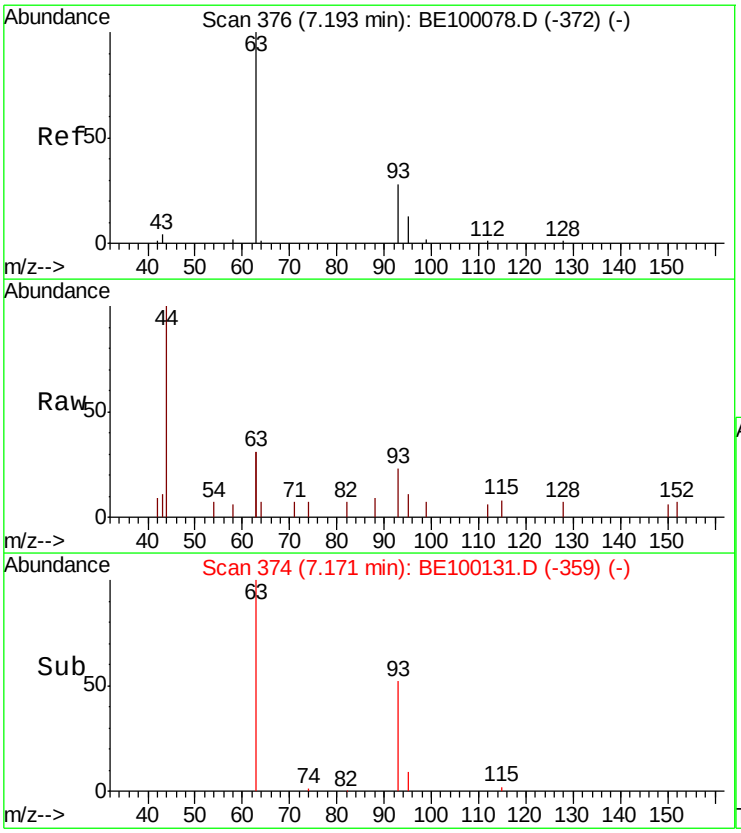
#5
Phenol-d6
Concen: 0.563 ng
RT: 6.94 min Scan# 354
Delta R.T. 0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 763

Ion	Ratio	Lower	Upper
99	100		
42	13.8	0.0	0.0#
71	48.5	37.6	56.4

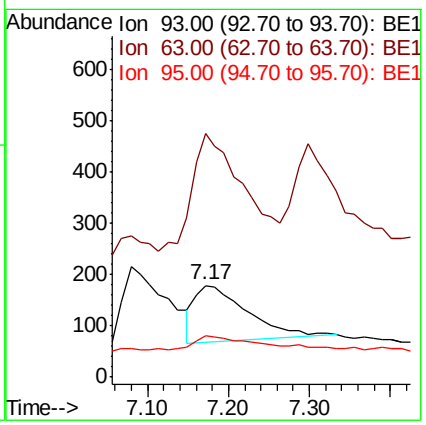


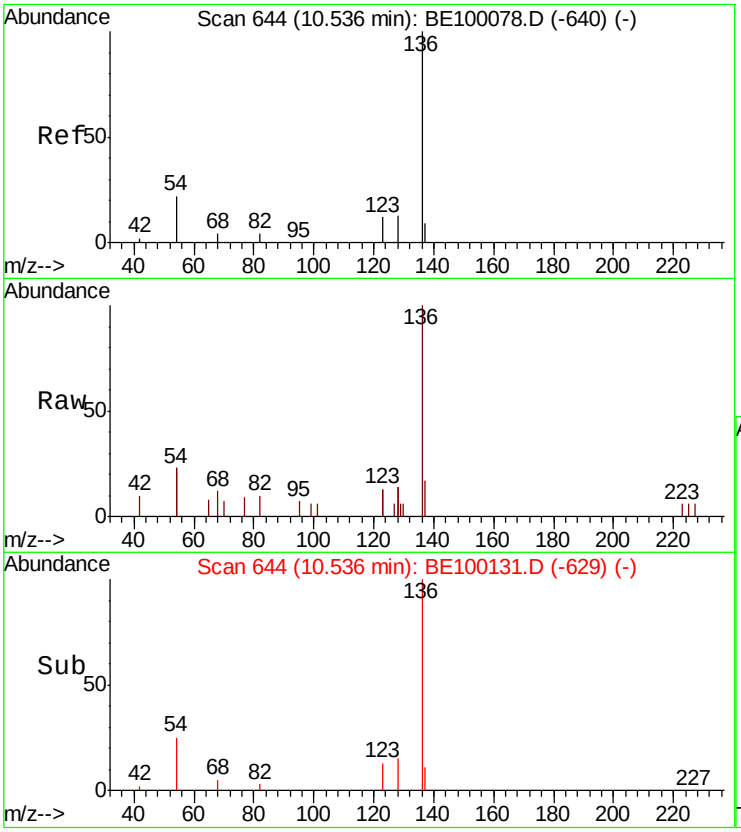


#6
bis(2-Chloroethyl)ether
Concen: 0.383 ng
RT: 7.17 min Scan# 374
Delta R.T. -0.02 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion: 93 Resp: 489

Ion	Ratio	Lower	Upper
93	100		
63	208.6	200.0	300.0
95	27.4	24.0	36.0



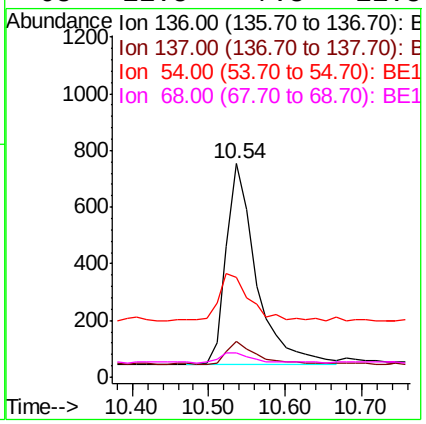


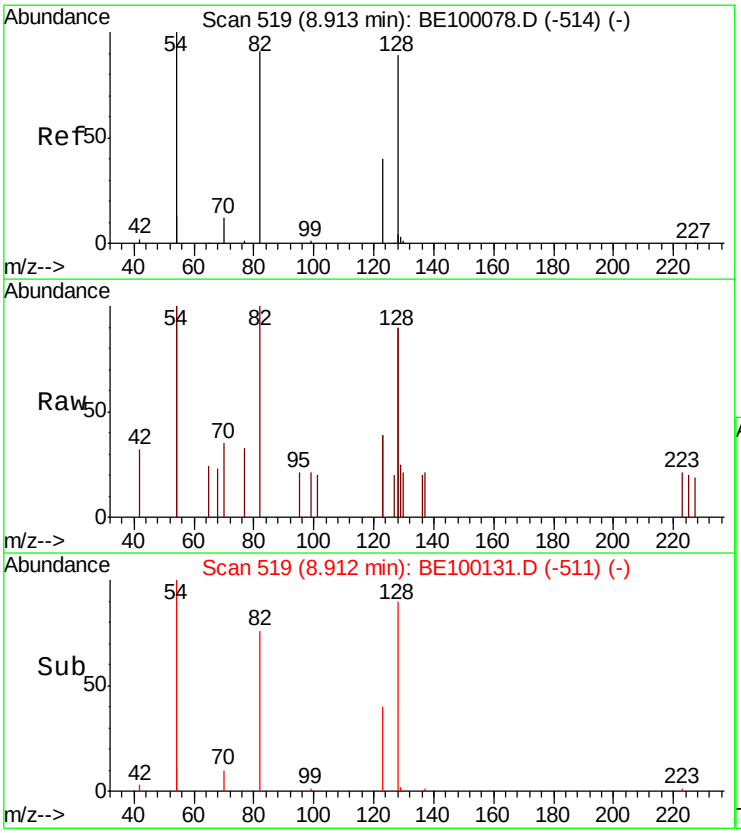
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 1942

Ion	Ratio	Lower	Upper
136	100		
137	16.7	11.6	17.4
54	46.4	33.9	50.9
68	11.5	7.8	11.8

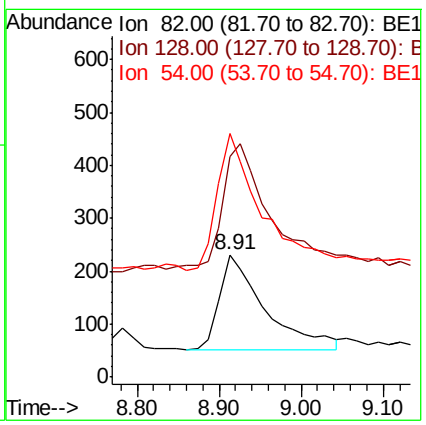


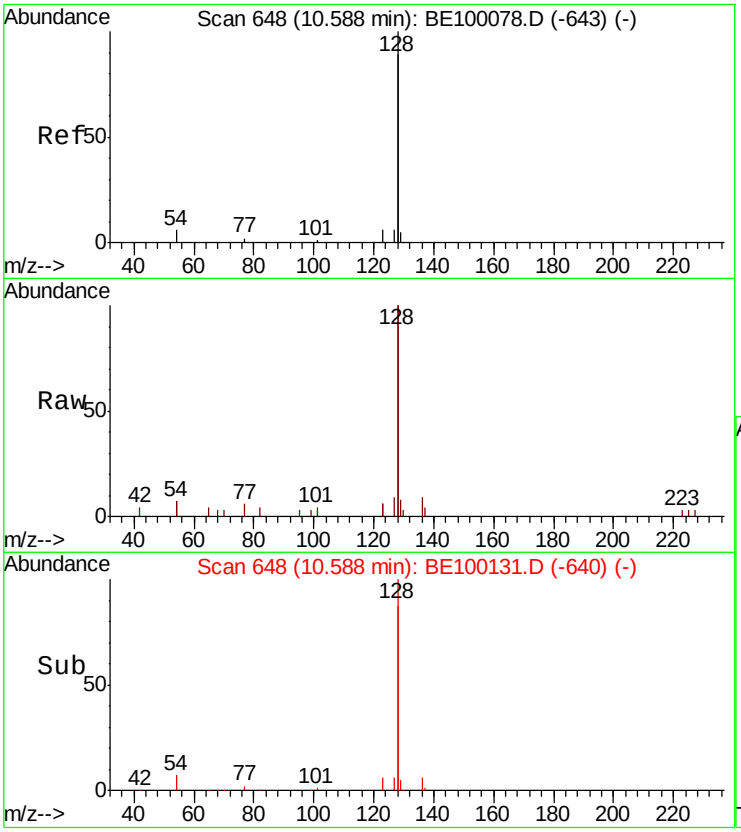


#8
Nitrobenzene-d5
Concen: 0.365 ng
RT: 8.91 min Scan# 519
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion: 82 Resp: 687

Ion	Ratio	Lower	Upper
82	100		
128	180.1	128.0	192.0
54	199.1	143.4	215.0



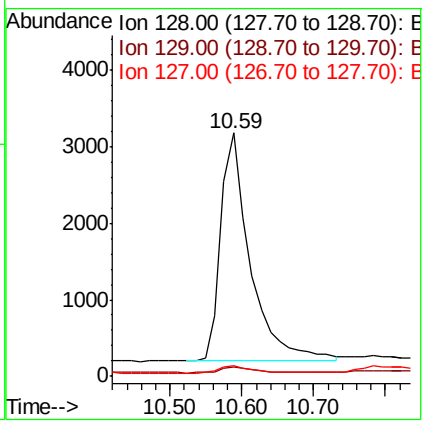


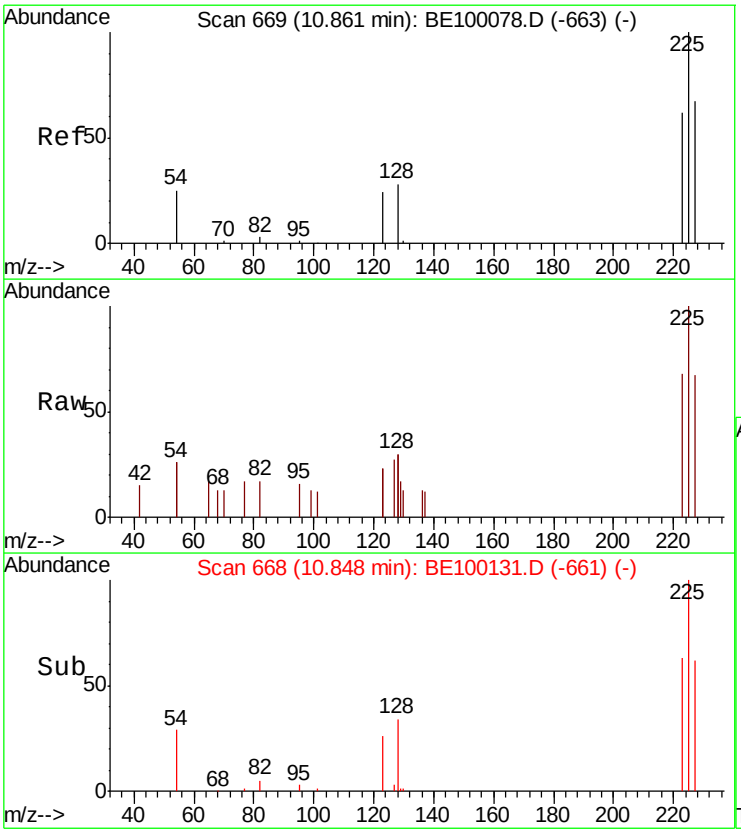
#9
Naphthalene
Concen: 0.401 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 8468

Ion	Ratio	Lower	Upper
128	100		
129	3.9	3.1	4.7
127	4.5	3.4	5.2

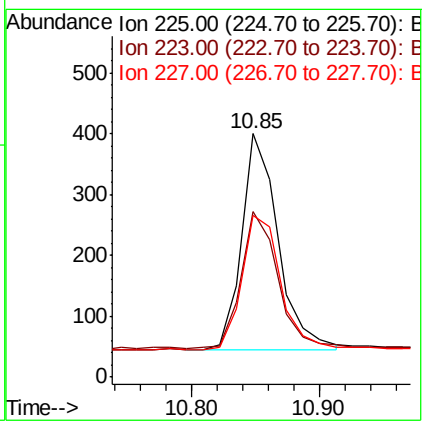


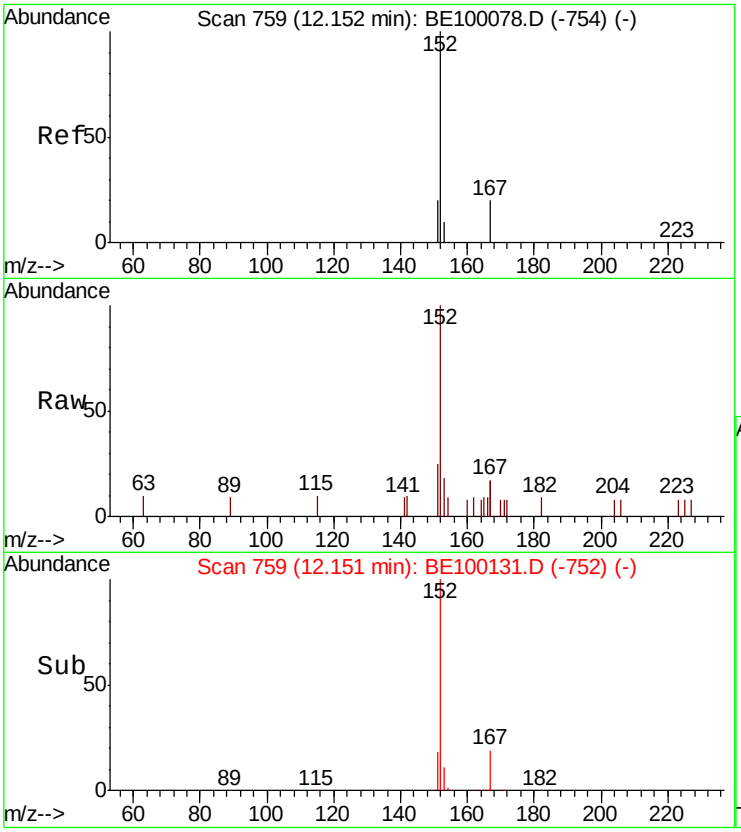


#10
Hexachlorobutadiene
Concen: 0.338 ng
RT: 10.85 min Scan# 668
Delta R.T. -0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:225 Resp: 701

Ion	Ratio	Lower	Upper
225	100		
223	64.2	52.2	78.4
227	66.8	53.0	79.6



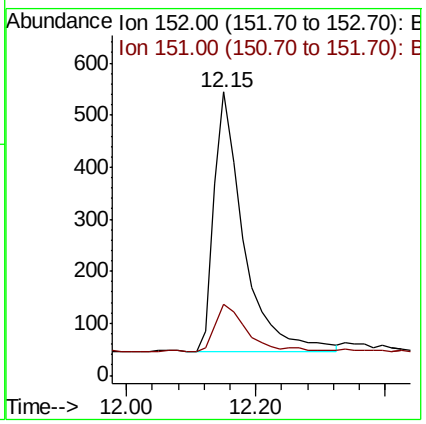


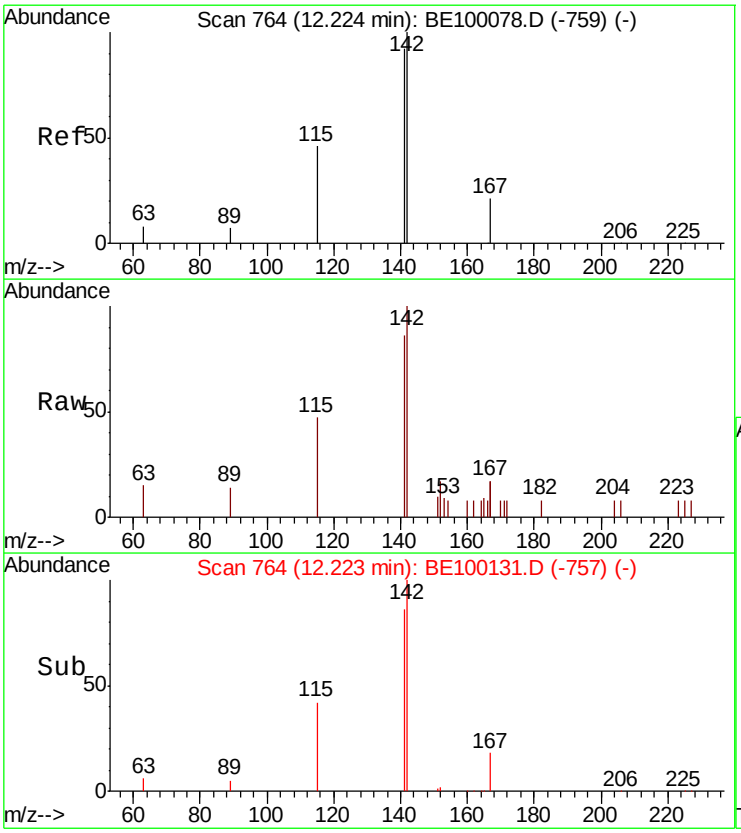
#11
2-Methylnaphthalene-d10
Concen: 0.427 ng
RT: 12.15 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 1579

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5

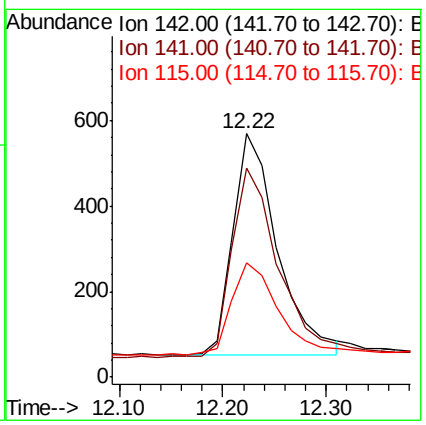


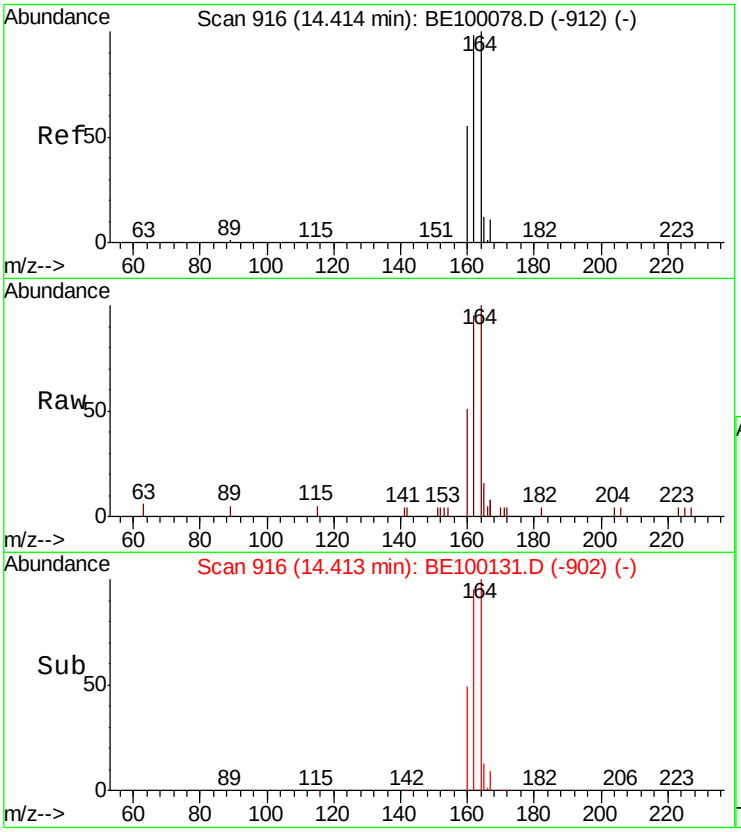


#12
2-Methylnaphthalene
Concen: 0.449 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:142 Resp: 1559

Ion	Ratio	Lower	Upper
142	100		
141	85.9	74.1	111.1
115	47.1	40.9	61.3



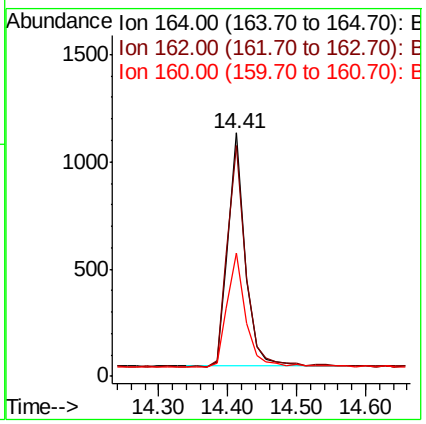


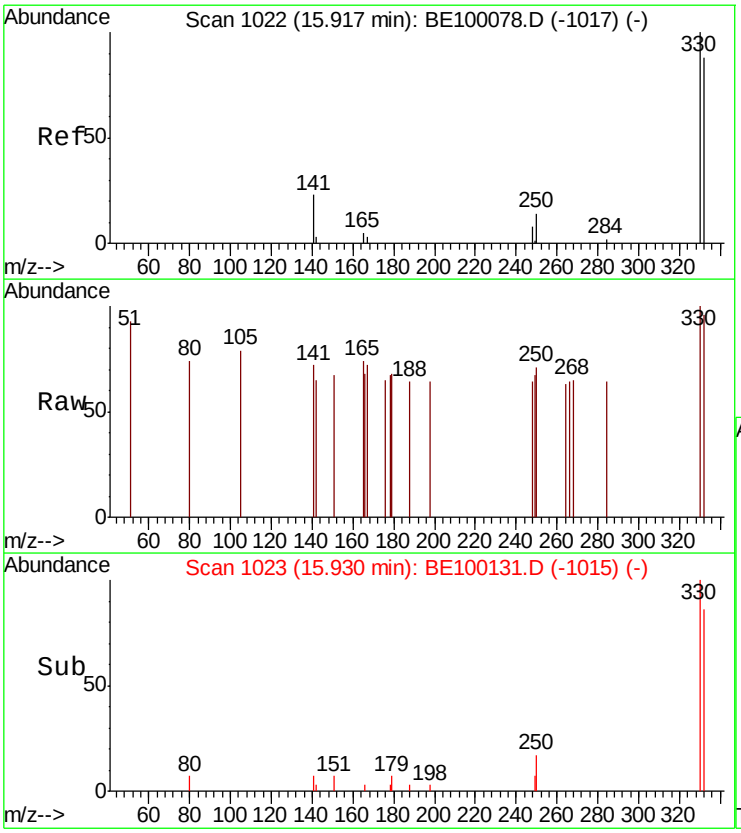
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 1892

Ion	Ratio	Lower	Upper
164	100		
162	94.8	78.2	117.2
160	50.6	45.6	68.4

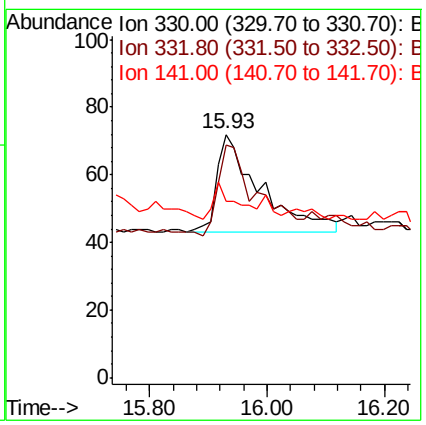


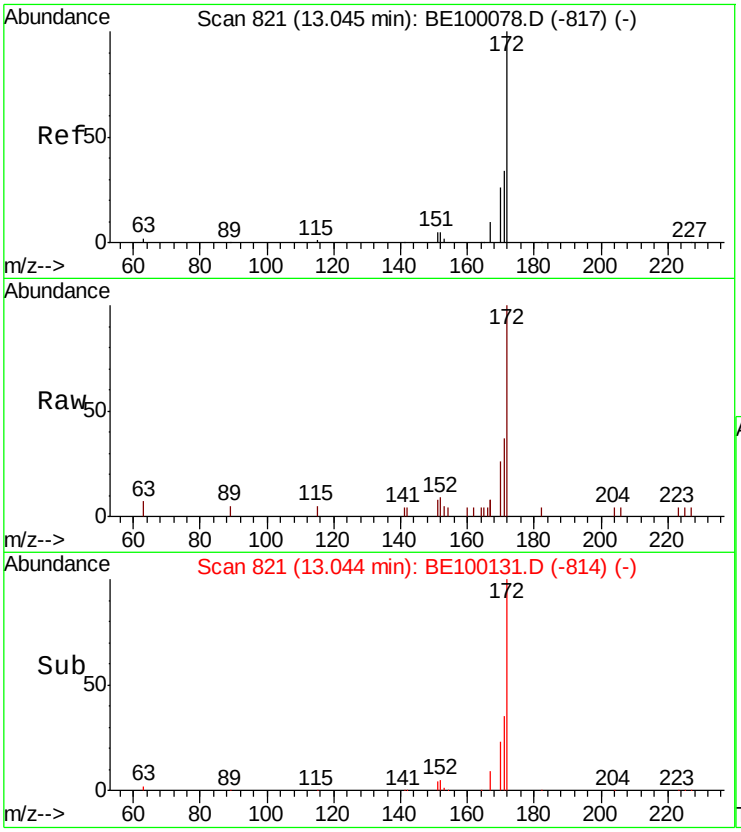


#14
2,4,6-Tribromophenol
Concen: 0.144 ng
RT: 15.93 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:330 Resp: 150

Ion	Ratio	Lower	Upper
330	100		
332	78.7	73.3	109.9
141	18.7	22.2	33.2#



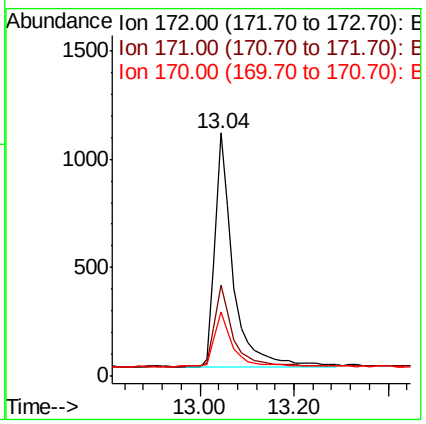


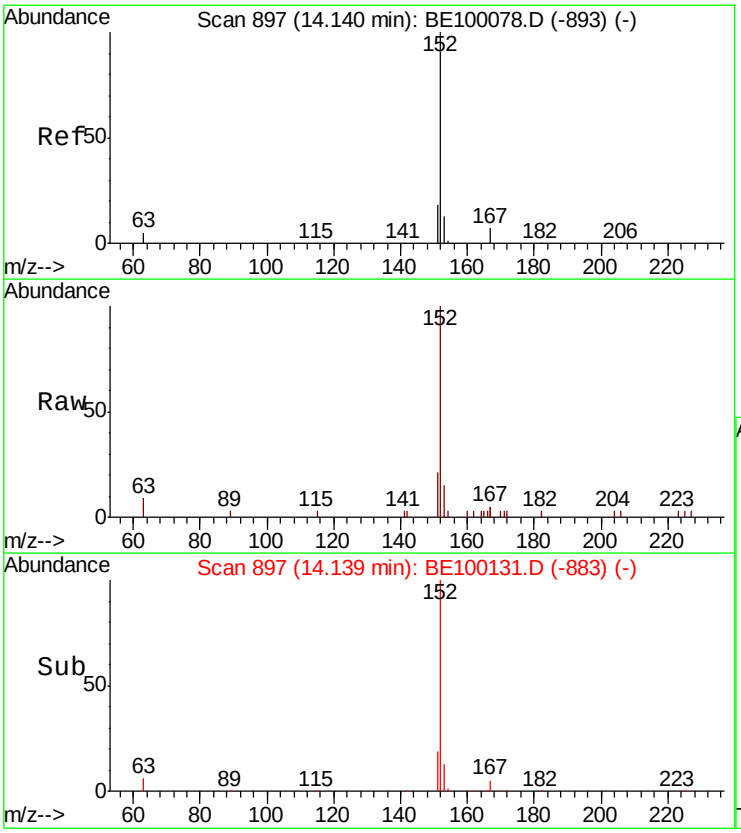
#15
2-Fluorobiphenyl
Concen: 0.385 ng
RT: 13.04 min Scan# 821
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 2868

Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.8
170	26.2	23.2	34.8

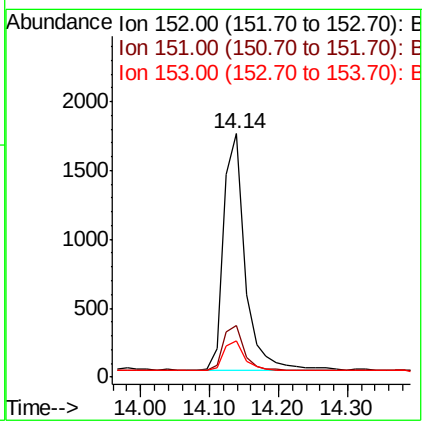


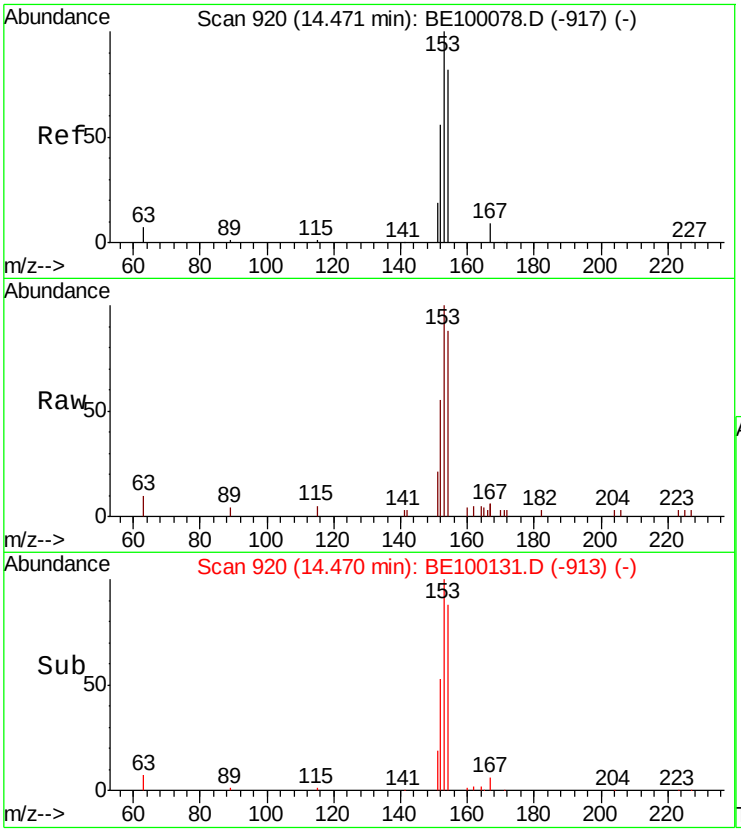


#16
Acenaphthylene
Concen: 0.415 ng
RT: 14.14 min Scan# 897
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:152 Resp: 3726

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.9	23.9
153	13.1	10.1	15.1



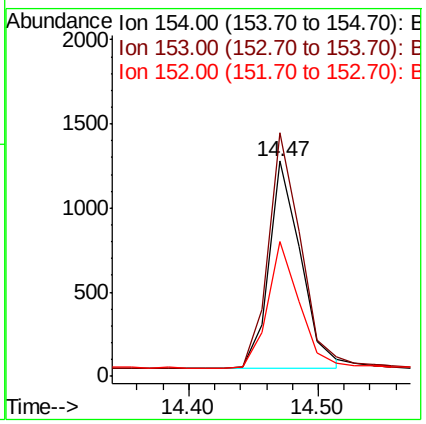


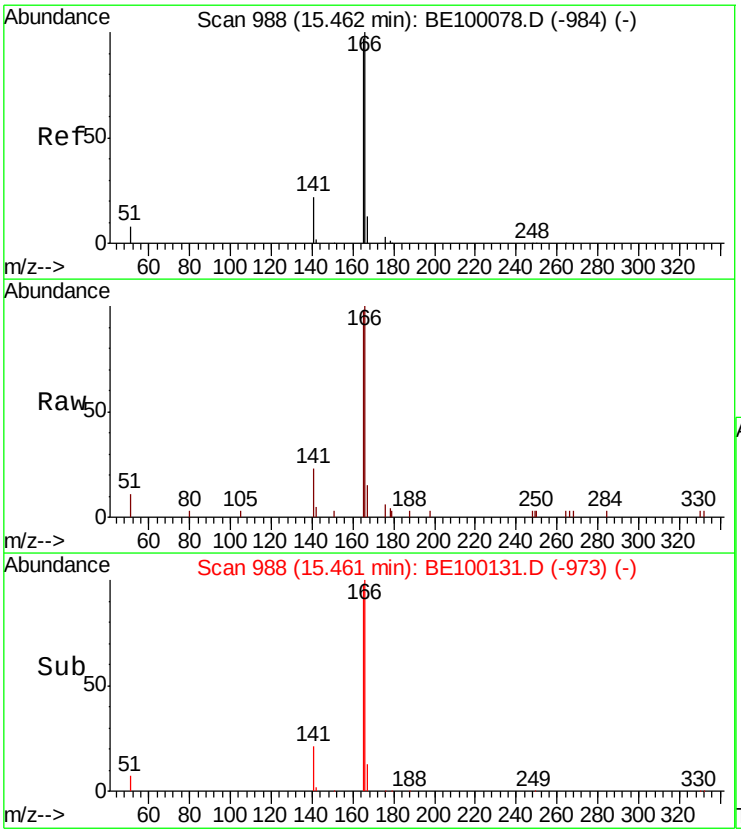
#17
Acenaphthene
Concen: 0.420 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 2109

Ion	Ratio	Lower	Upper
154	100		
153	116.2	95.5	143.3
152	61.1	54.9	82.3

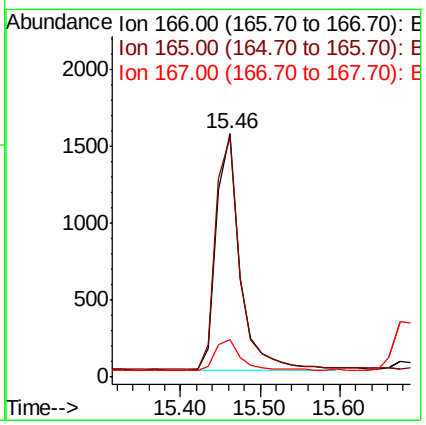


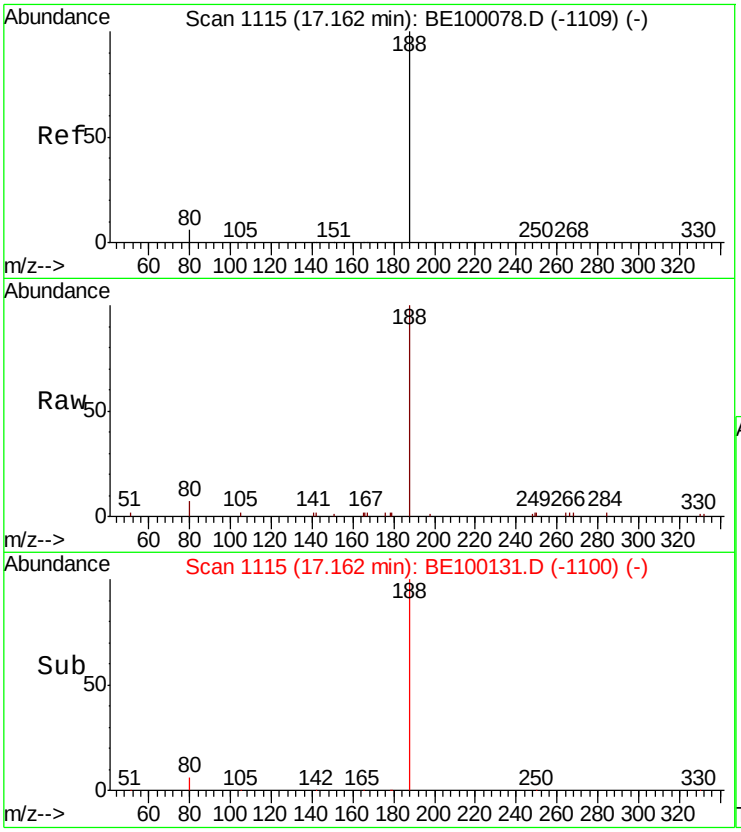


#18
Fluorene
Concen: 0.426 ng
RT: 15.46 min Scan# 988
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:166 Resp: 3184

Ion	Ratio	Lower	Upper
166	100		
165	101.6	79.8	119.8
167	13.6	10.2	15.4



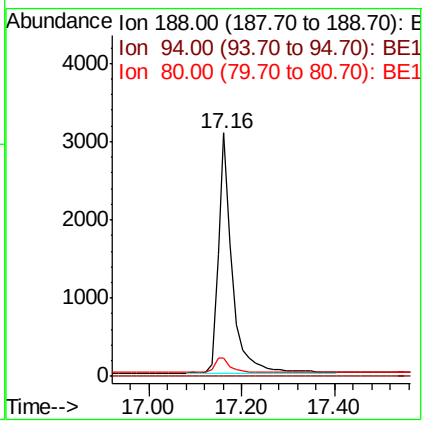


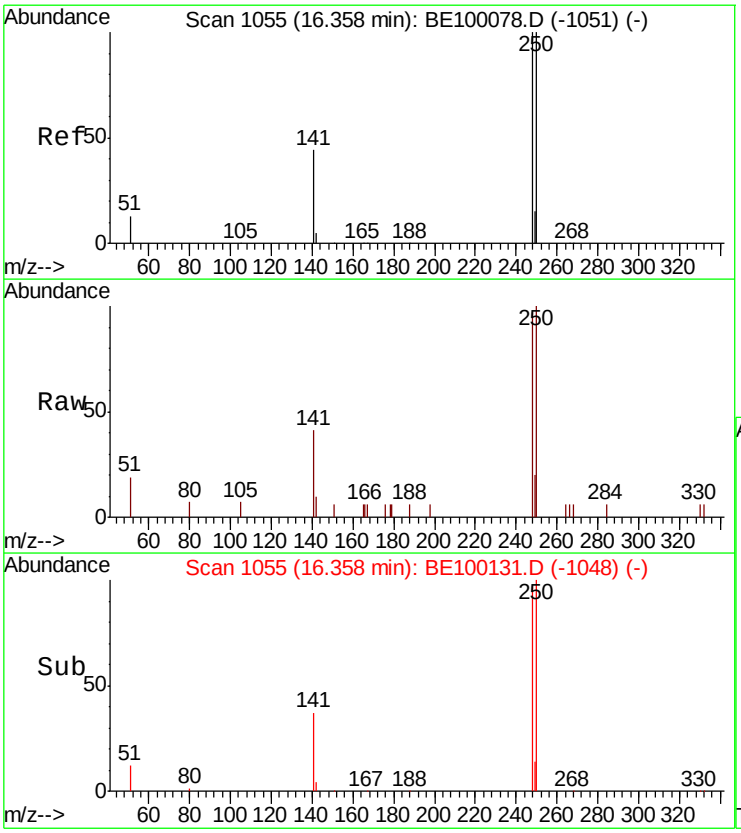
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.16 min Scan# 1115
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 6390

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.5	6.3	9.5

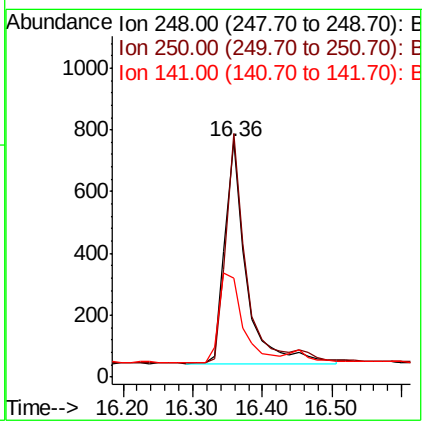


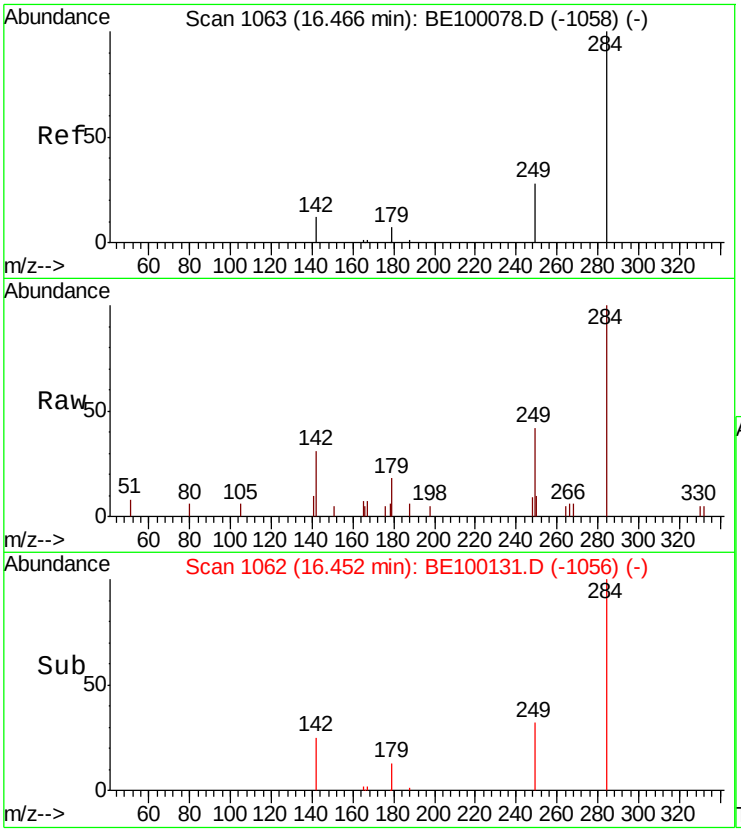


#20
4-Bromophenyl-phenylether
Concen: 0.403 ng
RT: 16.36 min Scan# 1055
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:248 Resp: 1531

Ion	Ratio	Lower	Upper
248	100		
250	103.4	80.6	120.8
141	42.3	38.8	58.2



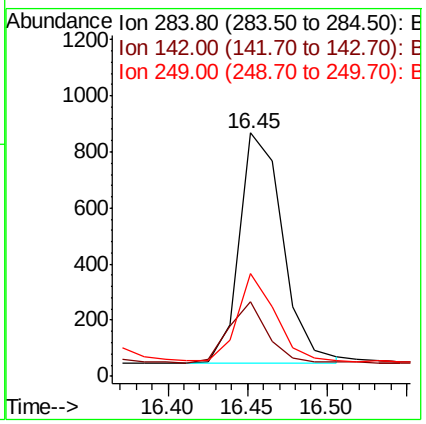


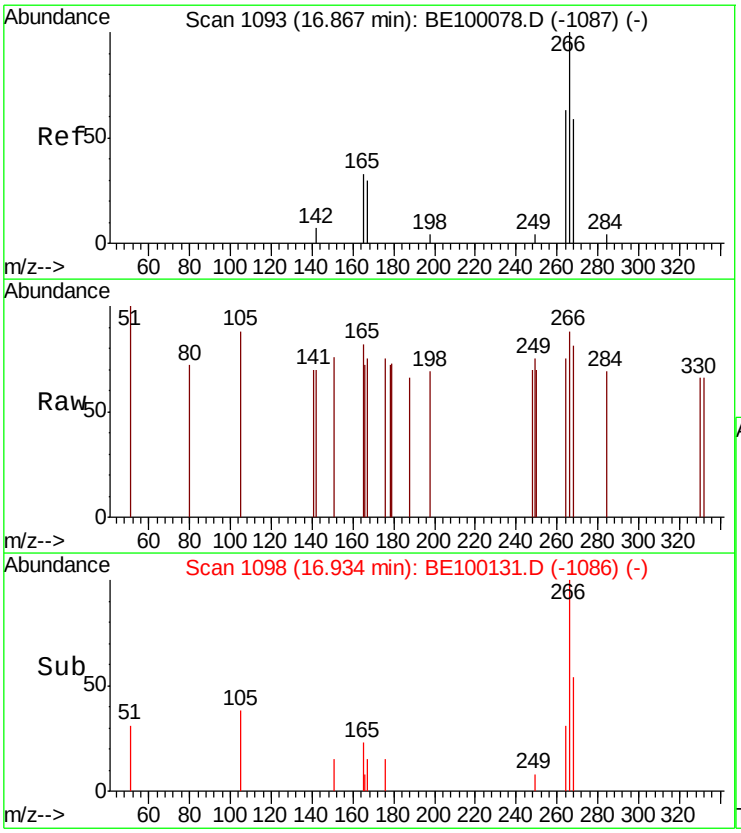
#21
Hexachlorobenzene
Concen: 0.378 ng
RT: 16.45 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 1583

Ion	Ratio	Lower	Upper
284	100		
142	23.4	20.7	31.1
249	32.1	26.6	39.8

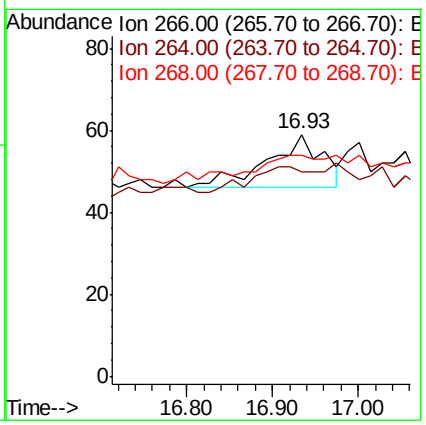


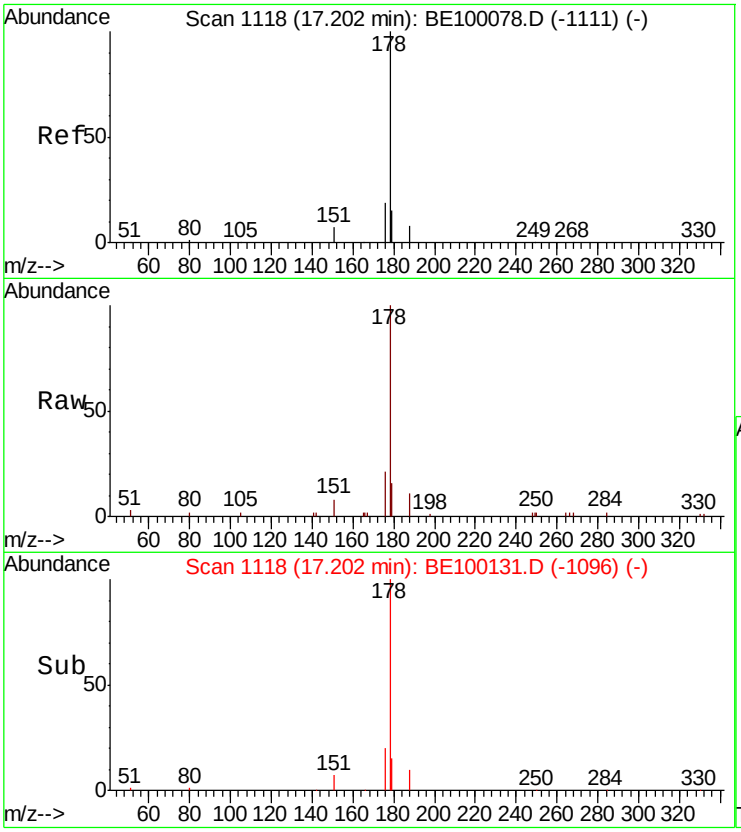


#22
Pentachlorophenol
Concen: 0.286 ng
RT: 16.93 min Scan# 1098
Delta R.T. 0.07 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:266 Resp: 59

Ion	Ratio	Lower	Upper
266	100		
264	84.7	67.8	101.6
268	91.5	70.0	105.0



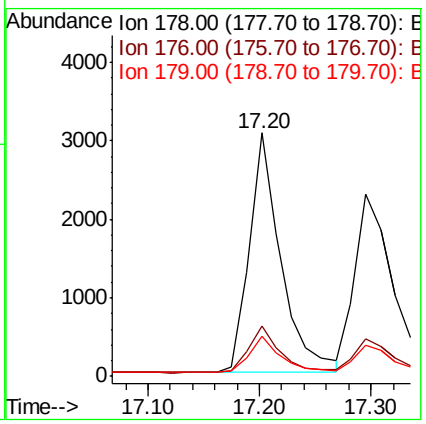


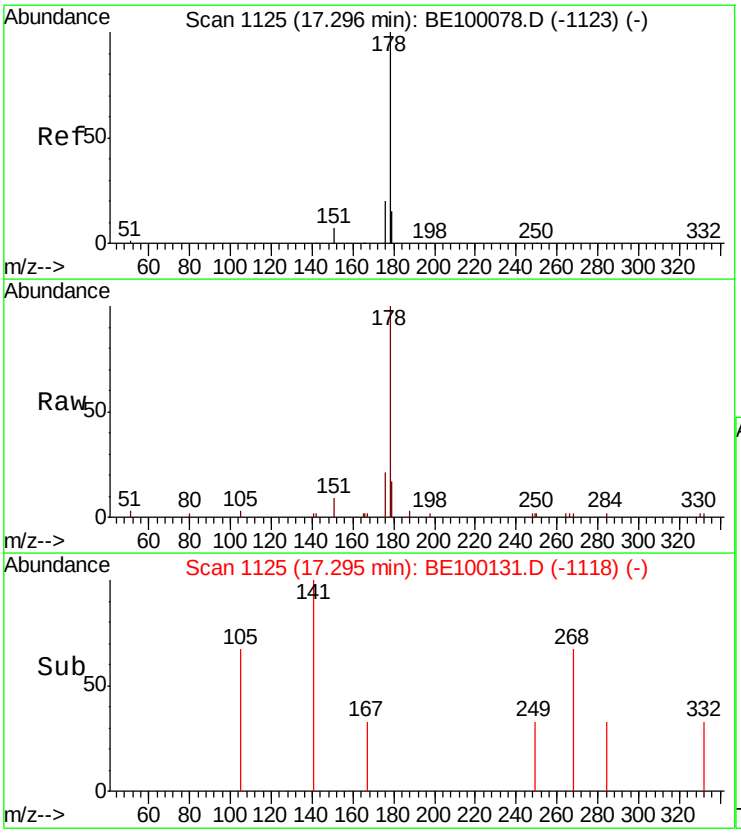
#23
Phenanthrene
Concen: 0.394 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 6039

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.9	23.9
179	15.1	13.1	19.7

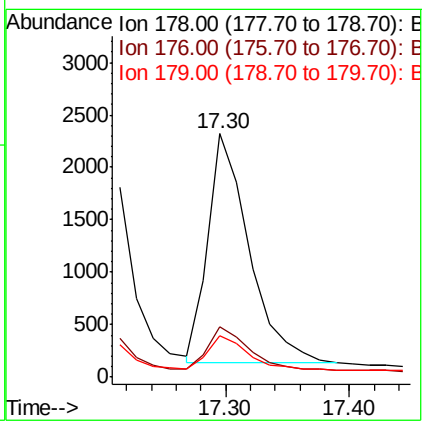


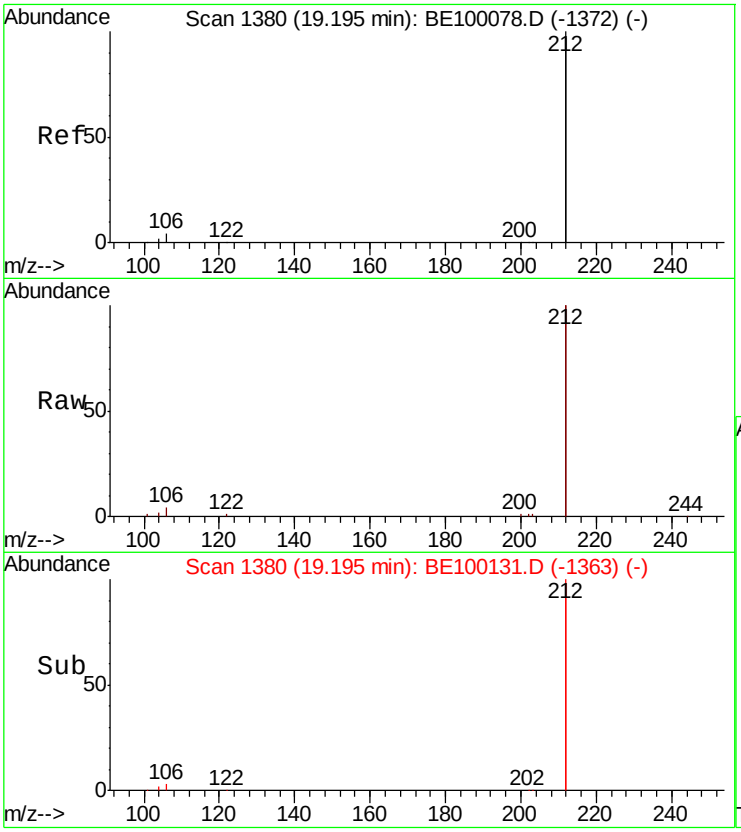


#24
Anthracene
Concen: 0.388 ng
RT: 17.30 min Scan# 1125
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:178 Resp: 5009

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	14.8	12.0	18.0



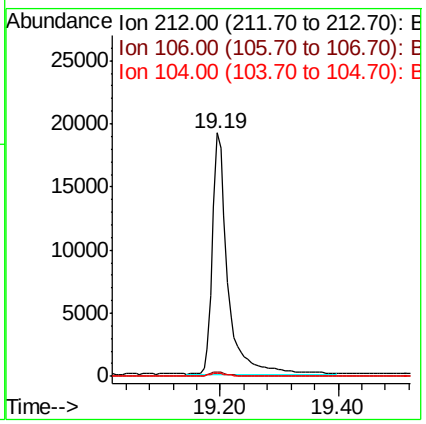


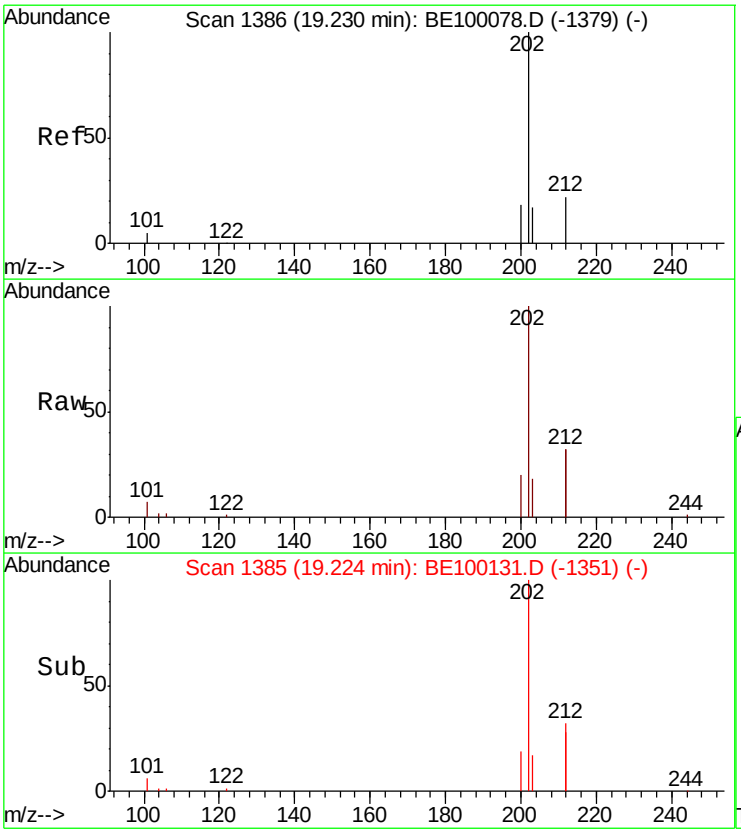
#25
Fluoranthene-d10
Concen: 0.377 ng
RT: 19.19 min Scan# 1380
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 34467

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.4	2.0
104	1.0	0.8	1.2

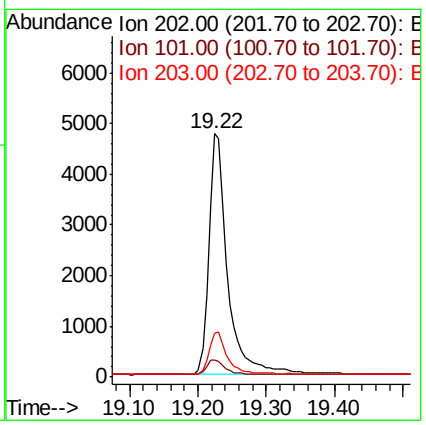


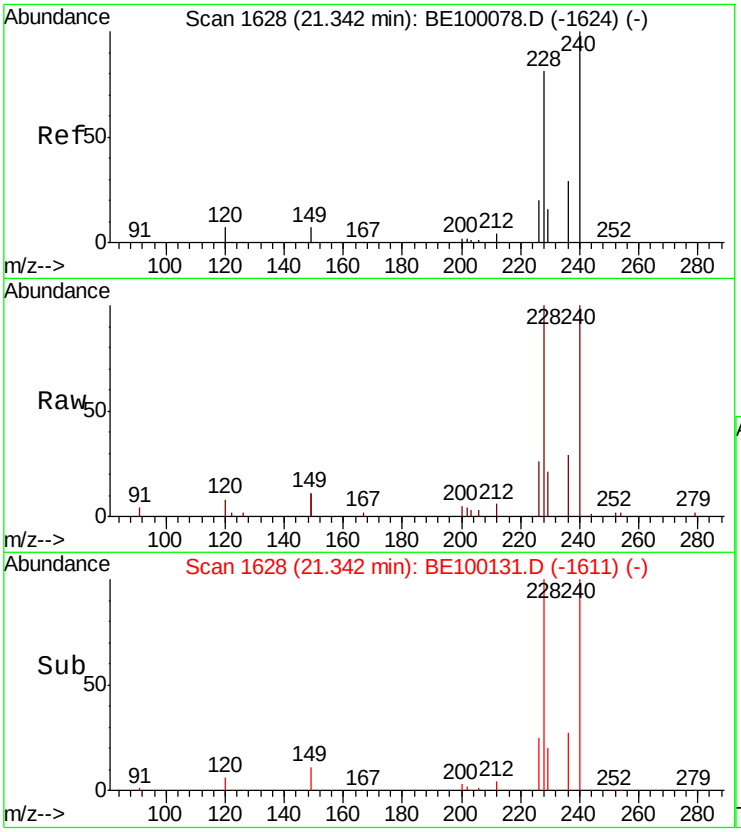


#26
Fluoranthene
Concen: 0.373 ng
RT: 19.22 min Scan# 1385
Delta R.T. -0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:202 Resp: 9161

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.0	7.4
203	17.0	13.7	20.5



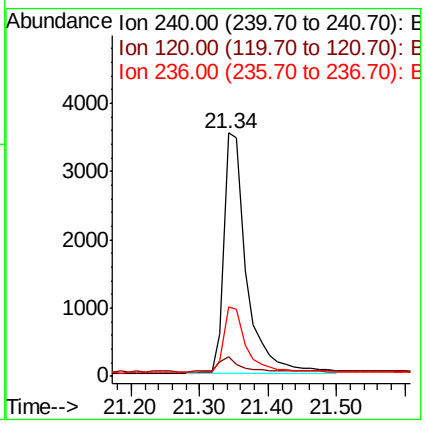


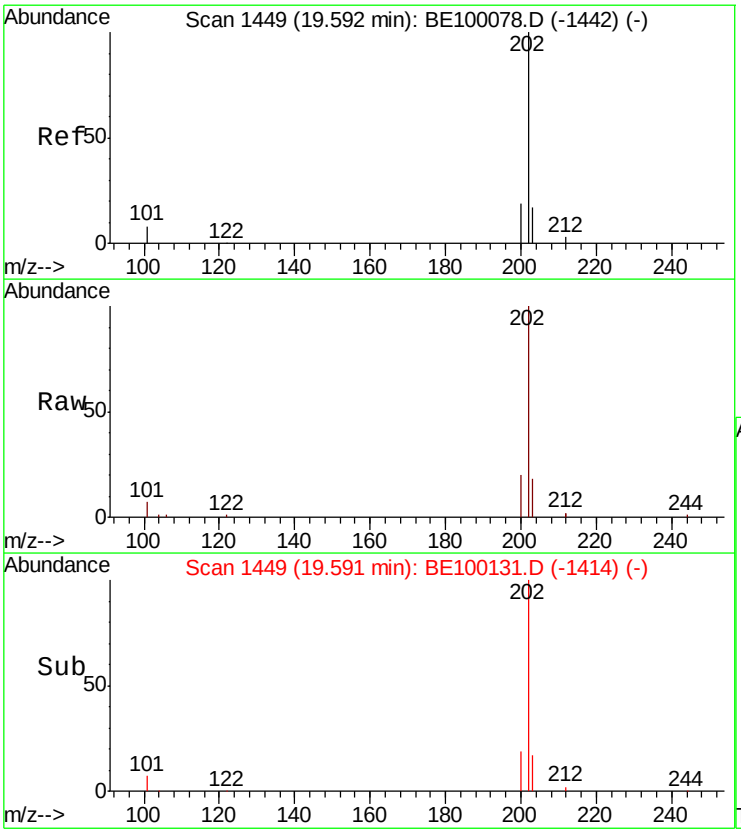
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 8079

Ion	Ratio	Lower	Upper
240	100		
120	8.1	6.6	10.0
236	28.7	23.8	35.6

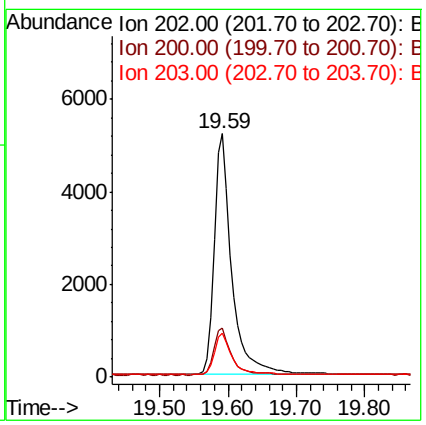


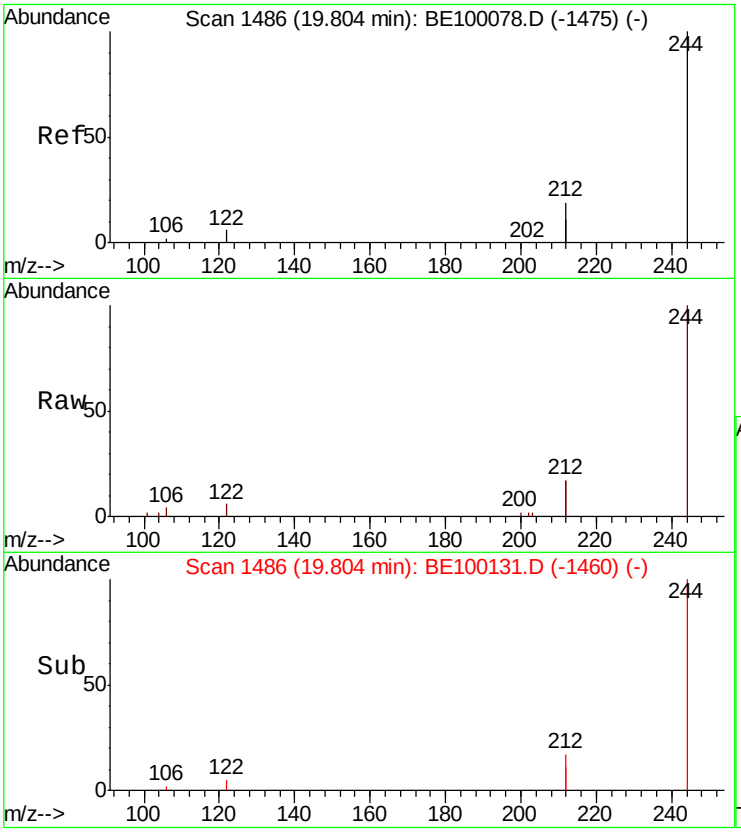


#28
Pyrene
Concen: 0.454 ng
RT: 19.59 min Scan# 1449
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:202 Resp: 9435

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.6	23.4
203	17.2	13.9	20.9



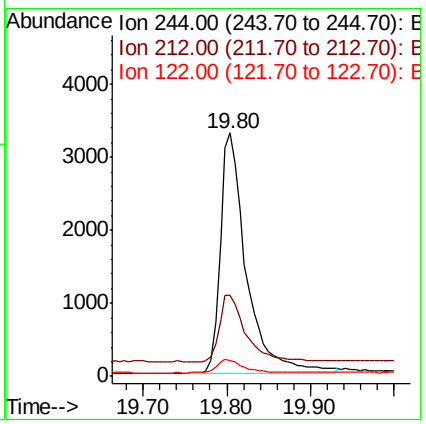


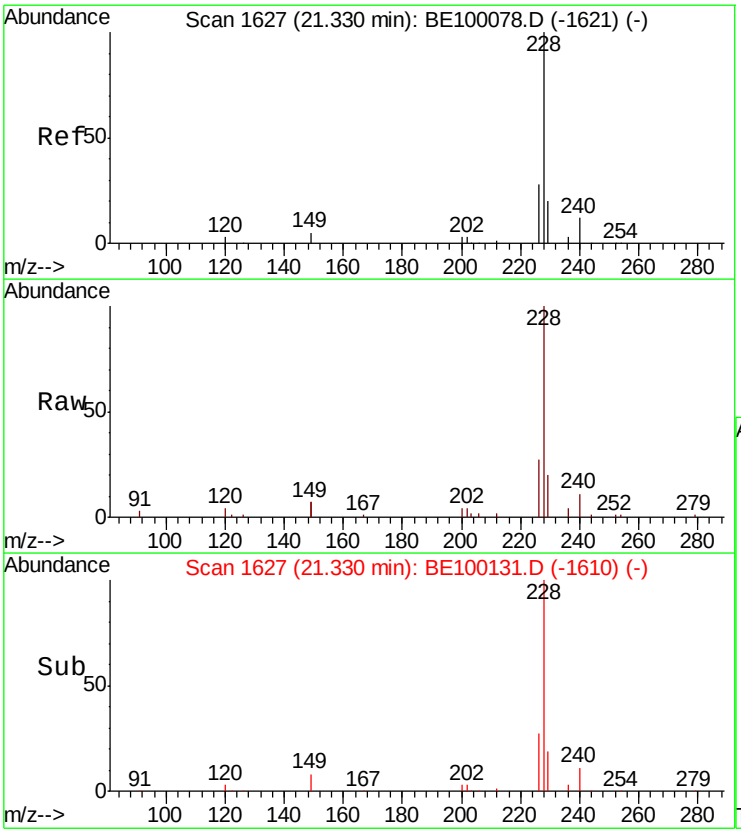
#29
Terphenyl-d14
Concen: 0.439 ng
RT: 19.80 min Scan# 1486
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 7090

Ion	Ratio	Lower	Upper
244	100		
212	33.4	29.8	44.8
122	6.4	6.1	9.1

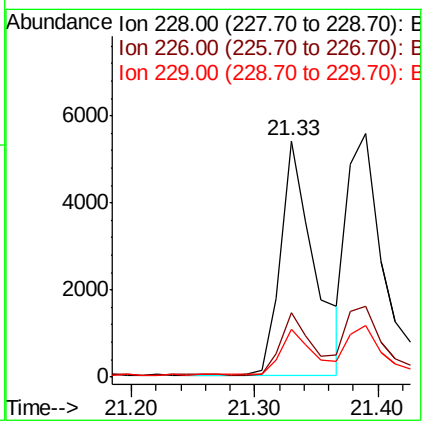


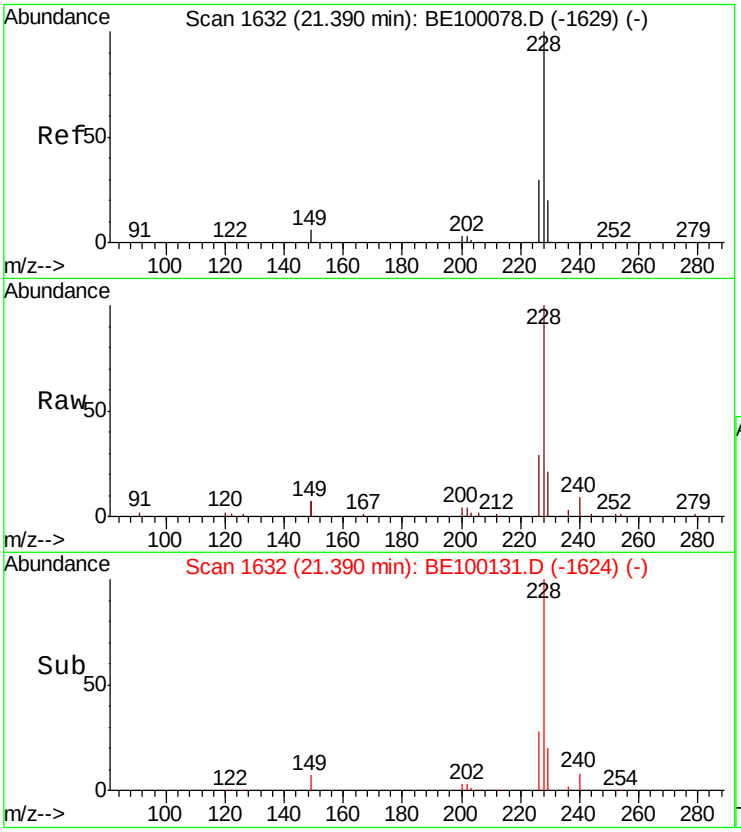


#30
Benzo(a)anthracene
Concen: 0.425 ng
RT: 21.33 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:228 Resp: 10224

Ion	Ratio	Lower	Upper
228	100		
226	27.4	23.0	34.4
229	20.2	16.4	24.6



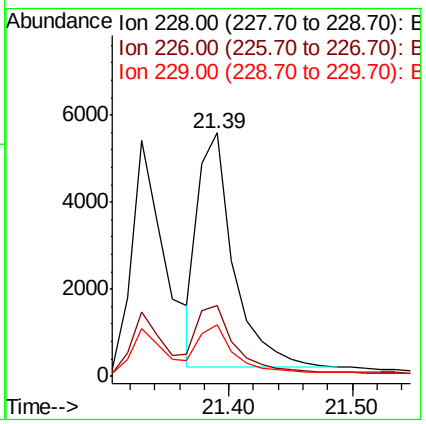


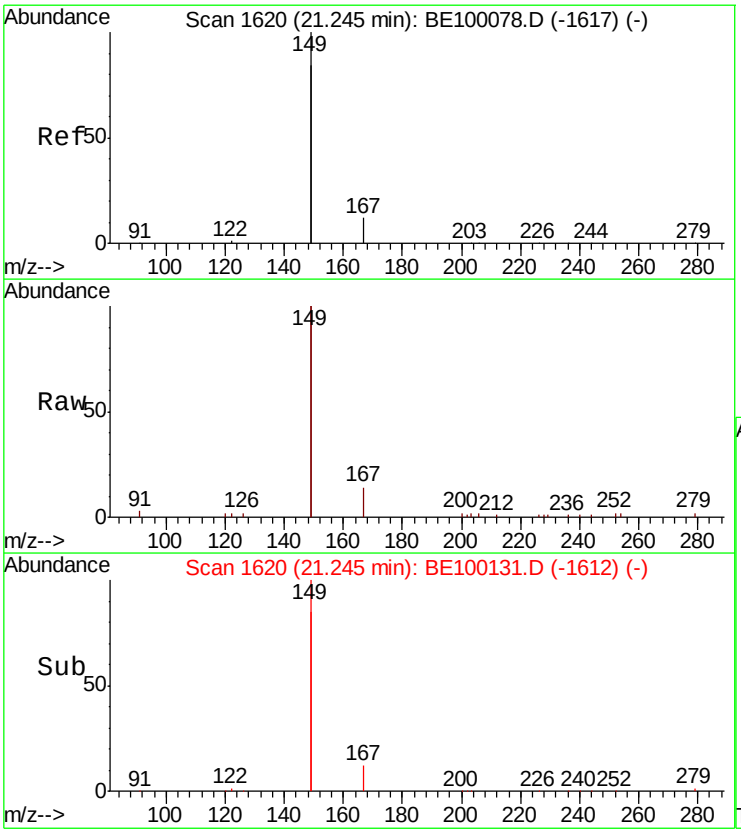
#31
Chrysene
Concen: 0.384 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 10730

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.8	35.8
229	21.0	16.3	24.5

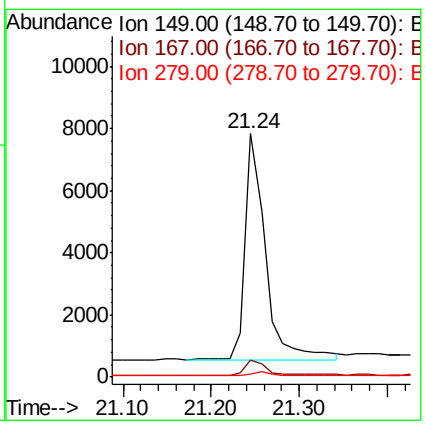


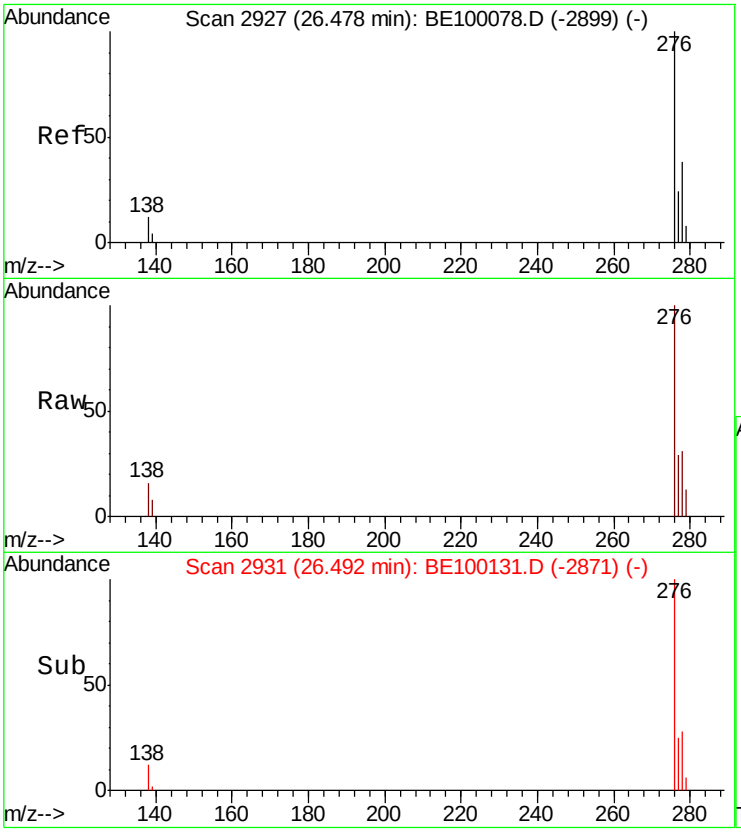


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.520 ng
RT: 21.24 min Scan# 1620
Delta R.T. -0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:149 Resp: 11784

Ion	Ratio	Lower	Upper
149	100		
167	7.1	5.8	8.6
279	1.6	1.1	1.7



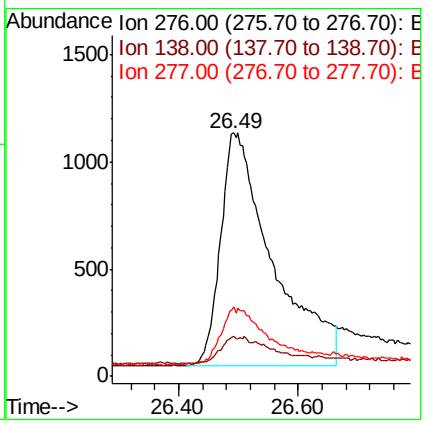


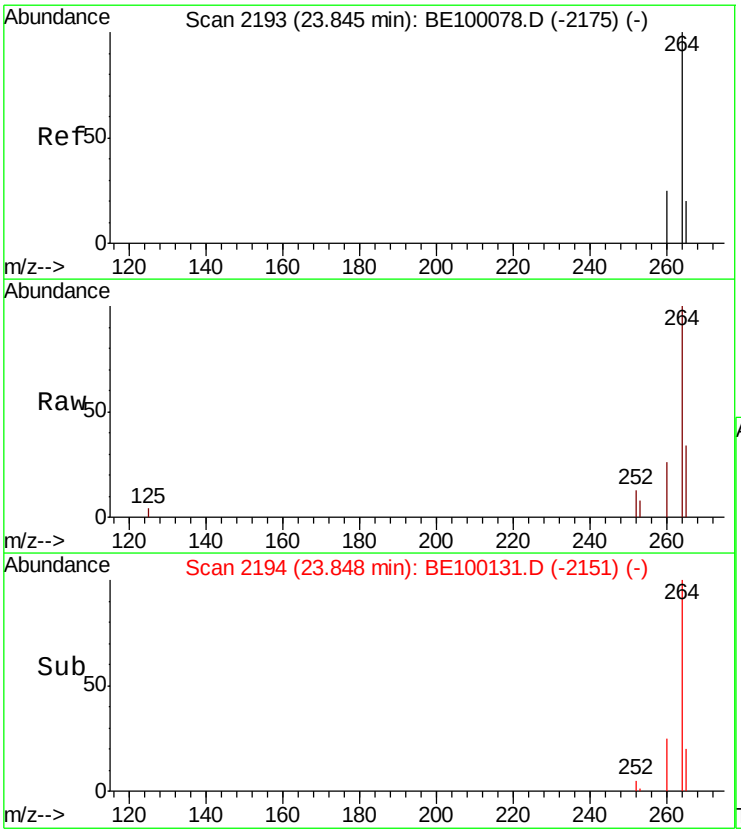
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.208 ng
RT: 26.49 min Scan# 2931
Delta R.T. 0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 6545

Ion	Ratio	Lower	Upper
276	100		
138	3.8	4.3	6.5#
277	7.4	19.4	29.0#

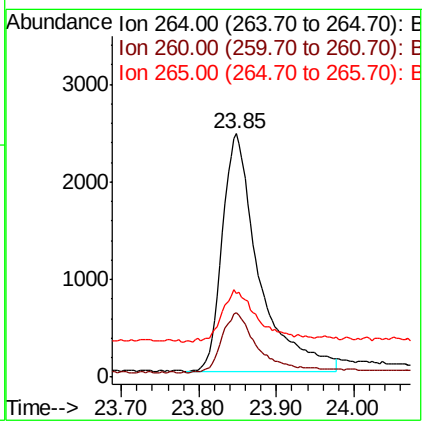


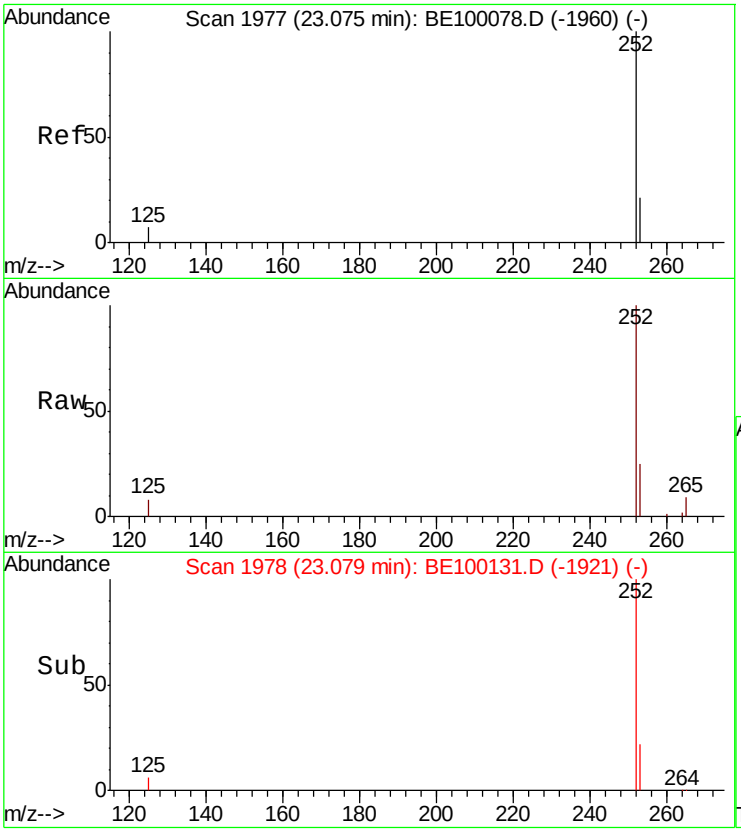


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. 0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:264 Resp: 7963

Ion	Ratio	Lower	Upper
264	100		
260	26.2	20.8	31.2
265	34.5	23.2	34.8



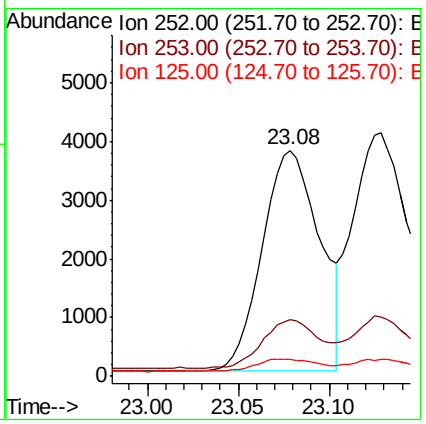


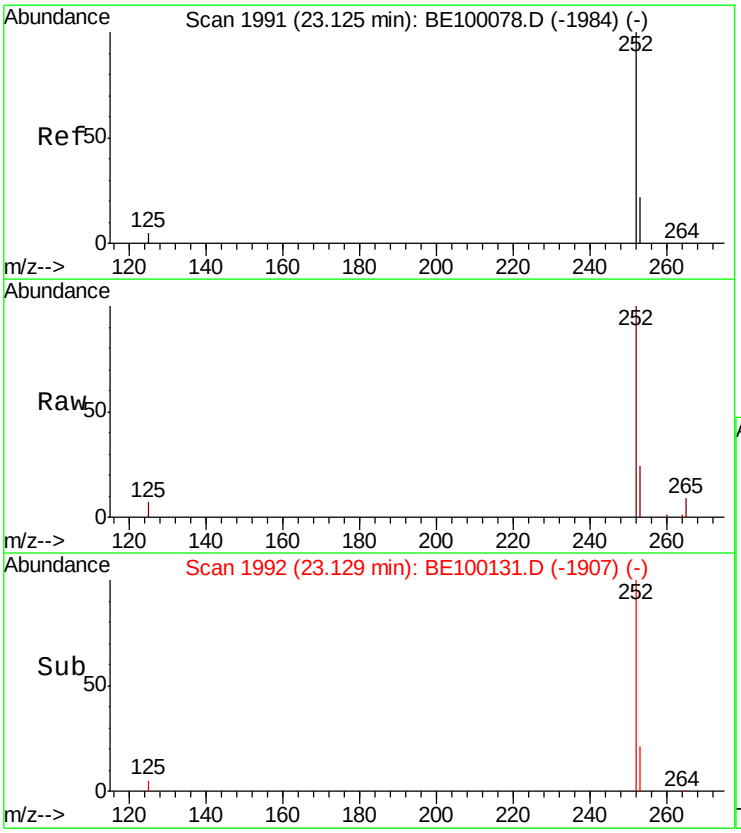
#35
Benzo(b)fluoranthene
Concen: 0.354 ng
RT: 23.08 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 8263

Ion	Ratio	Lower	Upper
252	100		
253	24.9	18.4	27.6
125	7.8	6.4	9.6

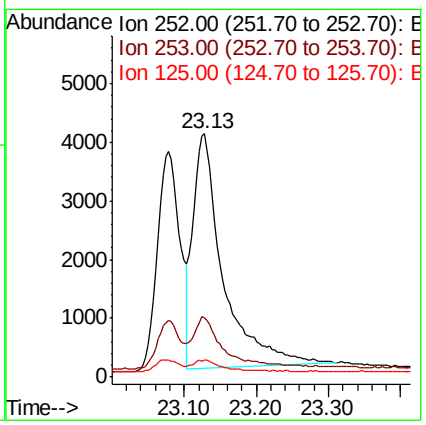


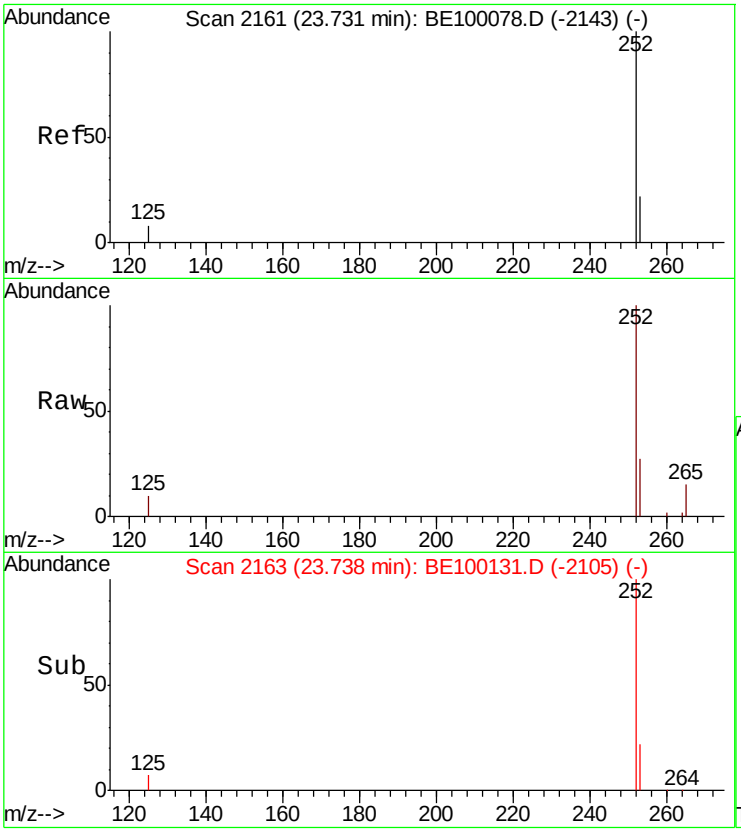


#36
Benzo(k)fluoranthene
Concen: 0.438 ng
RT: 23.13 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:252 Resp: 11656

Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.9	28.3
125	6.8	5.3	7.9



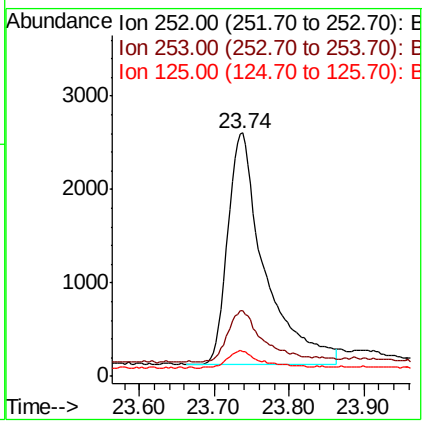


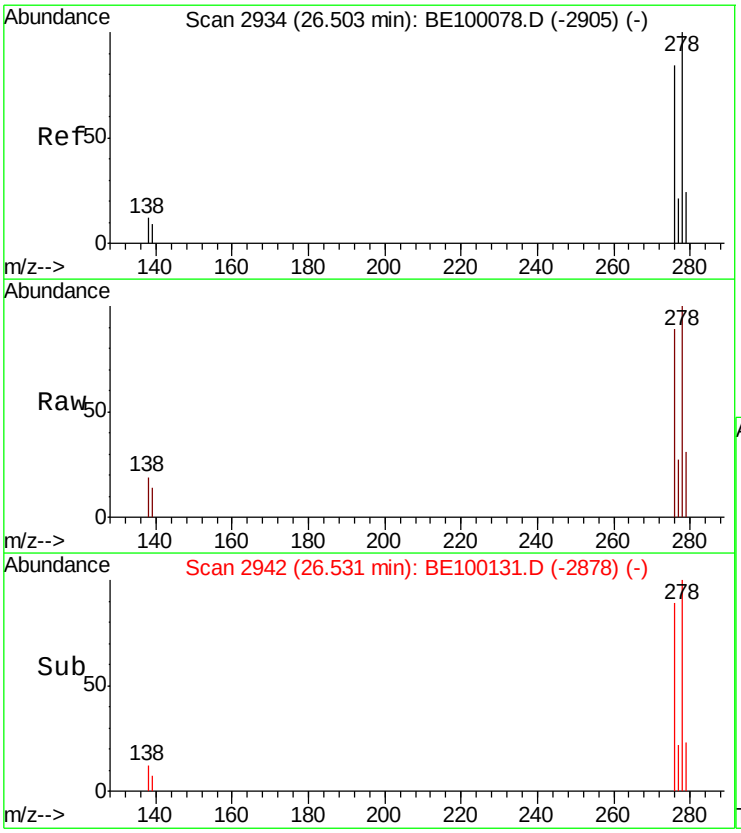
#37
Benzo(a)pyrene
Concen: 0.380 ng
RT: 23.74 min Scan# 2163
Delta R.T. 0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 8571

Ion	Ratio	Lower	Upper
252	100		
253	26.9	19.4	29.2
125	10.2	8.0	12.0

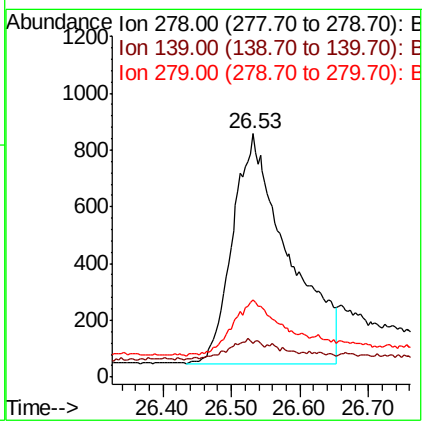


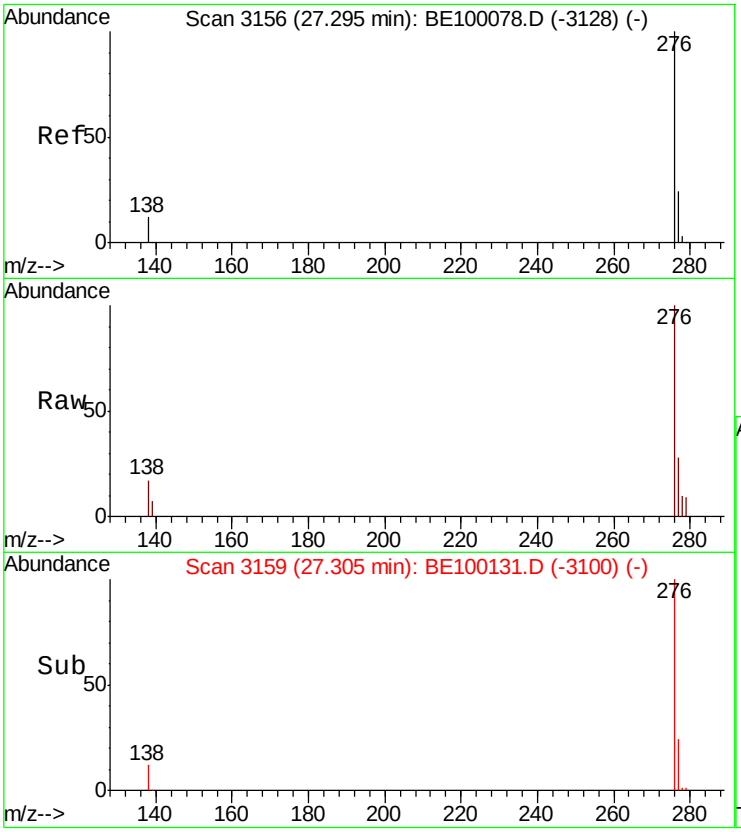


#38
Dibenzo(a,h)anthracene
Concen: 0.196 ng
RT: 26.53 min Scan# 2942
Delta R.T. 0.03 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Tgt Ion:278 Resp: 4539

Ion	Ratio	Lower	Upper
278	100		
139	14.0	9.0	13.6#
279	31.5	21.4	32.0





#39
Benzo(g,h,i)perylene
Concen: 0.239 ng
RT: 27.31 min Scan# 3159
Delta R.T. 0.01 min
Lab File: BE100131.D
Acq: 21 Jun 2019 7:46

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 5743

Ion	Ratio	Lower	Upper
276	100		
277	28.2	20.3	30.5
138	16.8	11.3	16.9