Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
Data File : BE100805.D
Acq On : 10 Dec 2019 10:58
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Dec 10 14:08:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5695	0.40	ng		0.00
7) Naphthalene-d8	10.54	136	28401	0.40	ng		0.00
13) Acenaphthene-d10	14.40	164	16217	0.40	ng		0.00
19) Phenanthrene-d10	17.12	188	34784	0.40	ng		-0.01
27) Chrysene-d12	21.31	240	30446	0.40	ng		0.00
34) Perylene-d12	23.75	264	37207	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	6383	0.47	ng		0.00
5) Phenol-d6	6.93	99	9751	0.48	ng		0.00
8) Nitrobenzene-d5	8.90	82	7357	0.54	ng		0.00
11) 2-Methylnaphthalene-d10	12.14	152	16068	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	1225	0.68	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	22953	0.36	ng		0.00
25) Fluoranthene-d10	19.16	212	133853	0.33	ng		0.00
29) Terphenyl-d14	19.76	244	28494	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	3861	0.372	ng		97
3) n-Nitrosodimethylamine	3.65	42	3225	0.382	ng	#	91
6) bis(2-Chloroethyl)ether	7.19	93	7743	0.393	ng		98
9) Naphthalene	10.59	128	113749	0.377	ng		100
10) Hexachlorobutadiene	10.89	225	4392	0.373	ng		99
12) 2-Methylnaphthalene	12.21	142	18163	0.385	ng		98
16) Acenaphthylene	14.11	152	25045	0.373	ng		99
17) Acenaphthene	14.46	154	17569	0.380	ng		98
18) Fluorene	15.43	166	22160	0.372	ng		98
20) 4-Bromophenyl-phenylether	16.33	248	6526	0.382	ng	#	88
21) Hexachlorobenzene	16.44	284	7182	0.387	ng		99
22) Pentachlorophenol	16.79	266	774	0.604	ng		84
23) Phenanthrene	17.16	178	38870	0.369	ng		99
24) Anthracene	17.26	178	31730	0.360	ng		98
26) Fluoranthene	19.18	202	40107	0.319	ng		99
28) Pyrene	19.55	202	39605	0.400	ng		100
30) Benzo(a)anthracene	21.29	228	37310	0.416	ng		99
31) Chrysene	21.34	228	39628	0.376	ng		98
32) Bis(2-ethylhexyl)phthalate	21.24	149	49023	0.752	ng		100
33) Indeno(1,2,3-cd)pyrene	26.32	276	42825	0.466	ng		99
35) Benzo(b)fluoranthene	23.00	252	37375	0.367	ng		100
36) Benzo(k)fluoranthene	23.05	252	40866	0.358	ng		100
37) Benzo(a)pyrene	23.64	252	34487	0.391	ng		99
38) Dibenzo(a,h)anthracene	26.35	278	34241	0.390	ng		99
39) Benzo(g,h,i)perylene	27.11	276	36511	0.389	ng		99

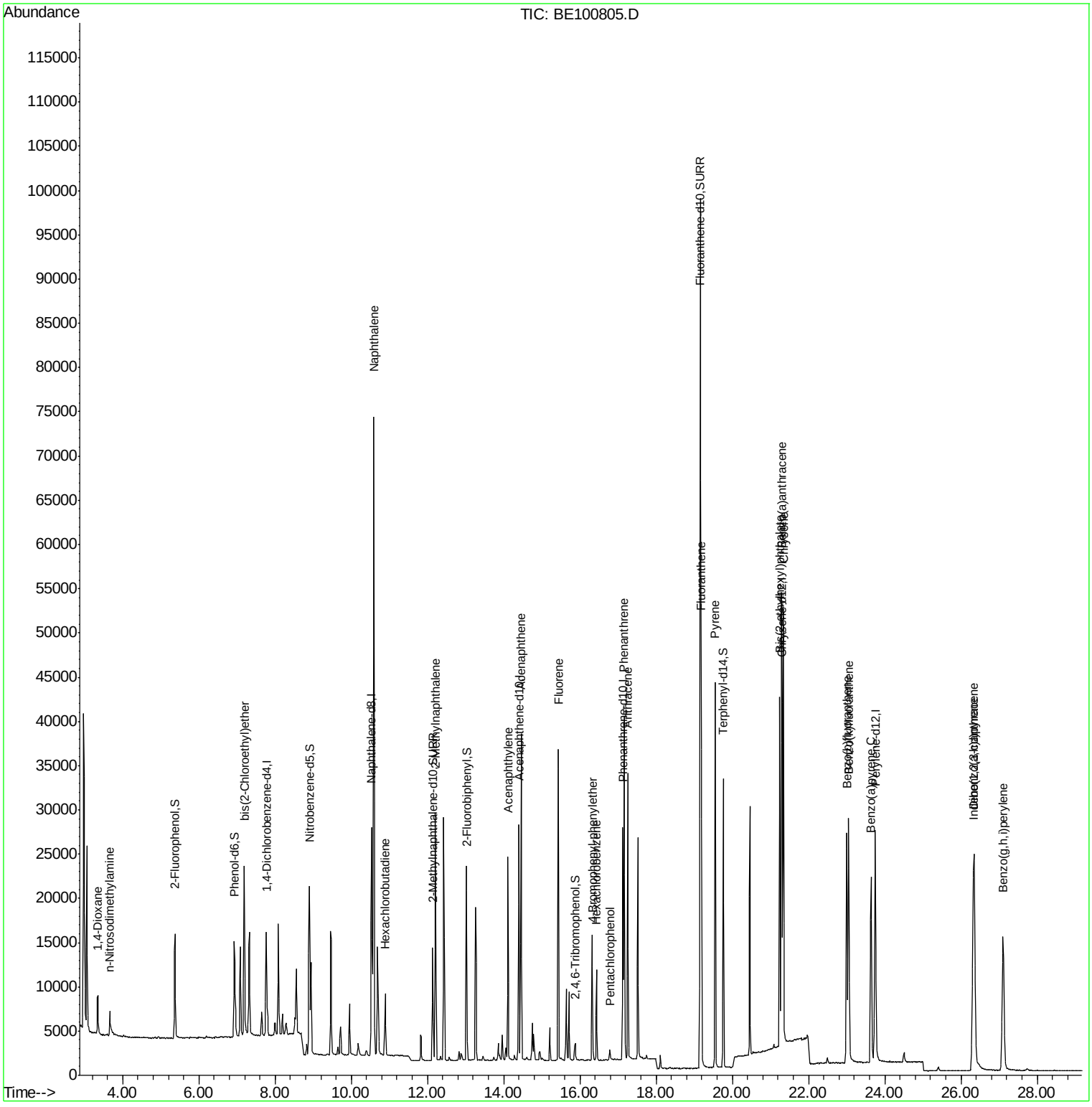
(#) = qualifier out of range (m) = manual integration (+) = signals summed

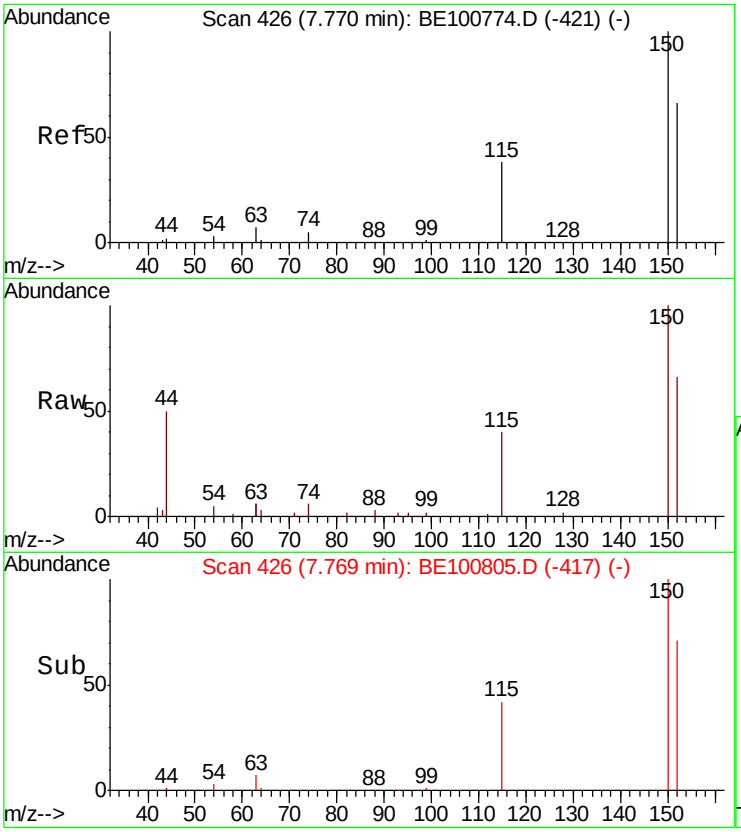
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121019\
Data File : BE100805.D
Acq On : 10 Dec 2019 10:58
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 10 14:08:51 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 17:18:11 2019
Response via : Initial Calibration



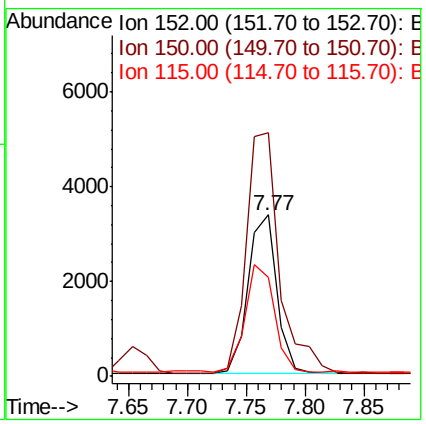


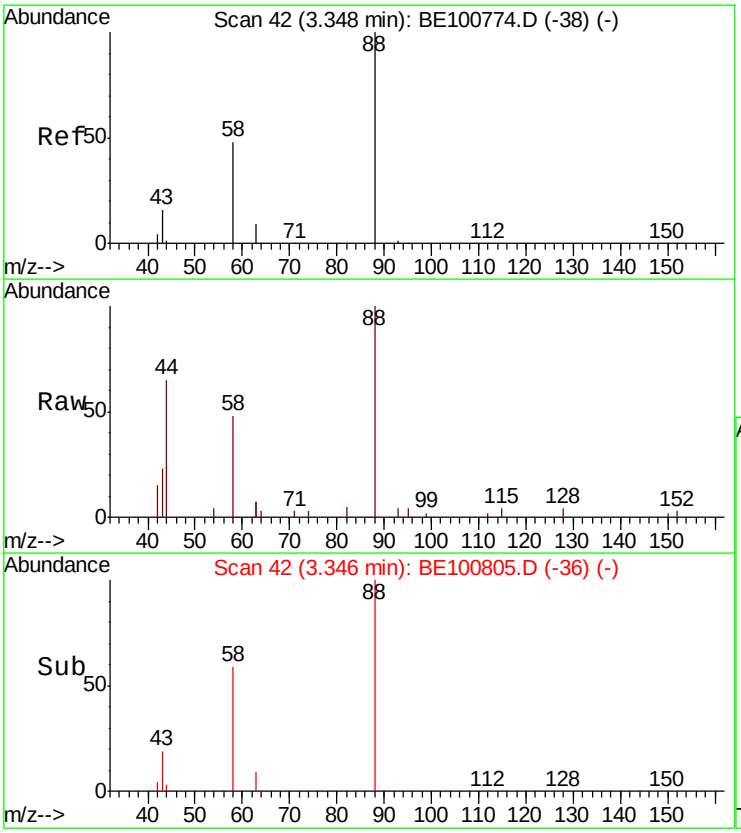
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5695

Ion	Ratio	Lower	Upper
152	100		
150	151.0	120.6	181.0
115	61.0	47.4	71.2

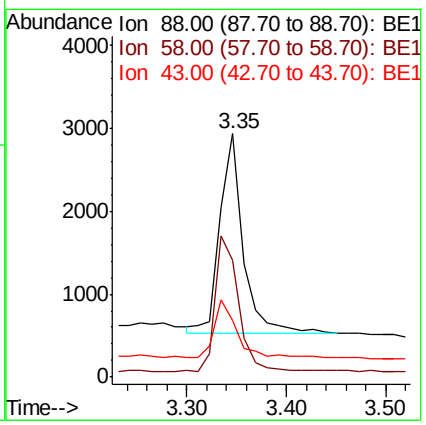


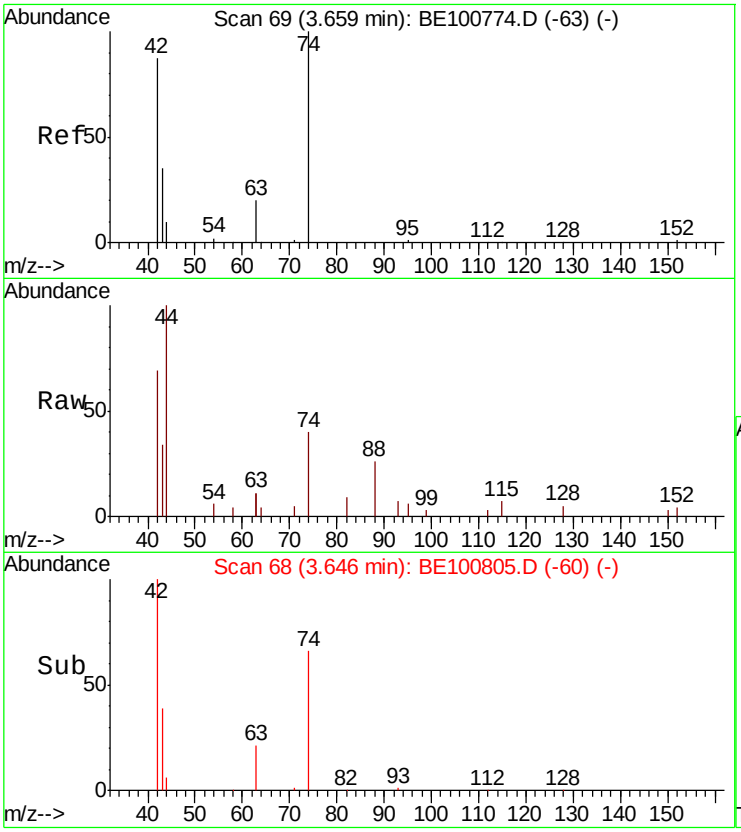


#2
1,4-Dioxane
Concen: 0.372 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion: 88 Resp: 3861

Ion	Ratio	Lower	Upper
88	100		
58	68.7	52.5	78.7
43	28.2	23.0	34.6



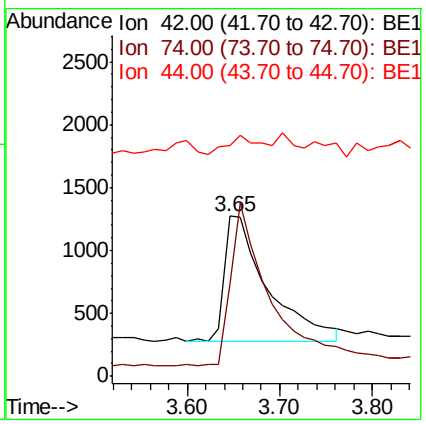


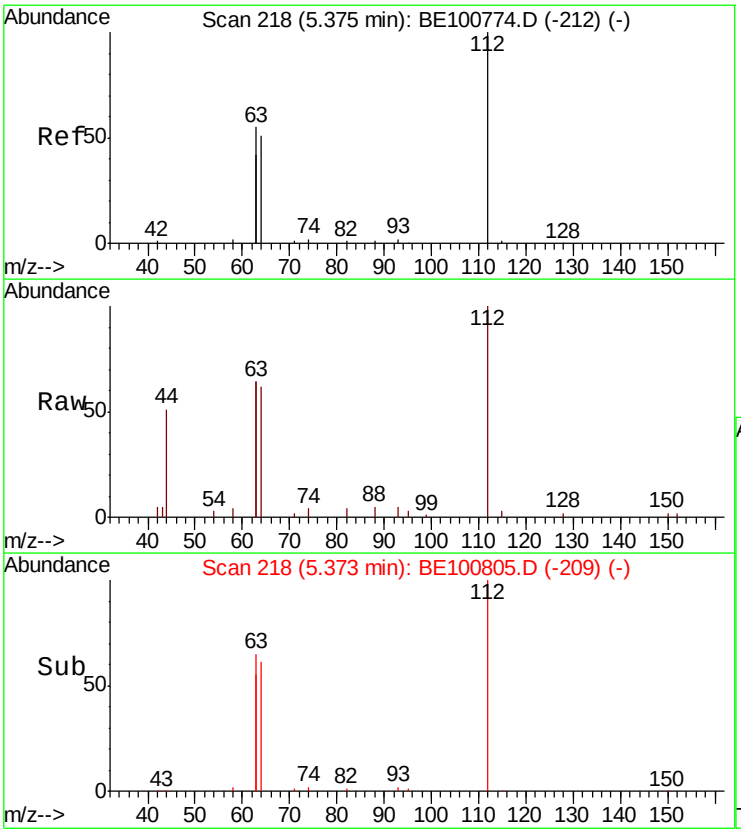
#3
n-Nitrosodimethylamine
Concen: 0.382 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 3225

Ion	Ratio	Lower	Upper
42	100		
74	117.3	86.3	129.5
44	10.9	11.6	17.4#

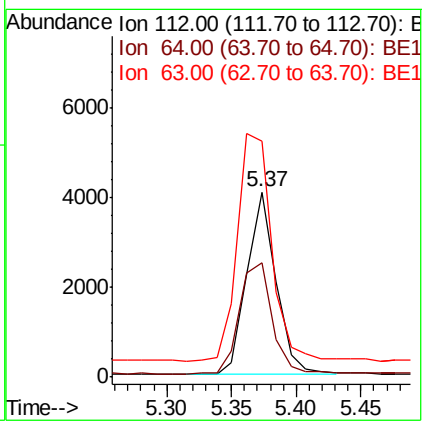


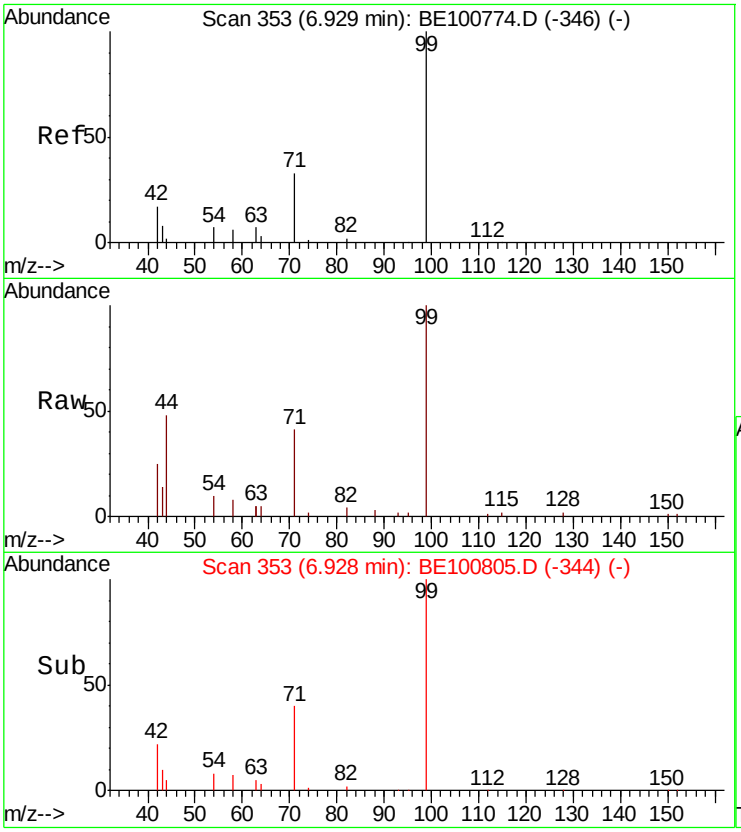


#4
2-Fluorophenol
Concen: 0.472 ng
RT: 5.37 min Scan# 218
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:112 Resp: 6383

Ion	Ratio	Lower	Upper
112	100		
64	68.1	54.1	81.1
63	145.0	113.2	169.8



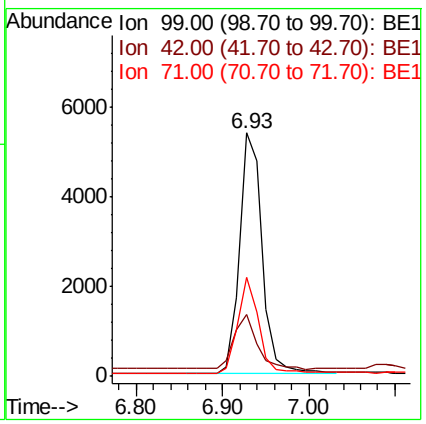


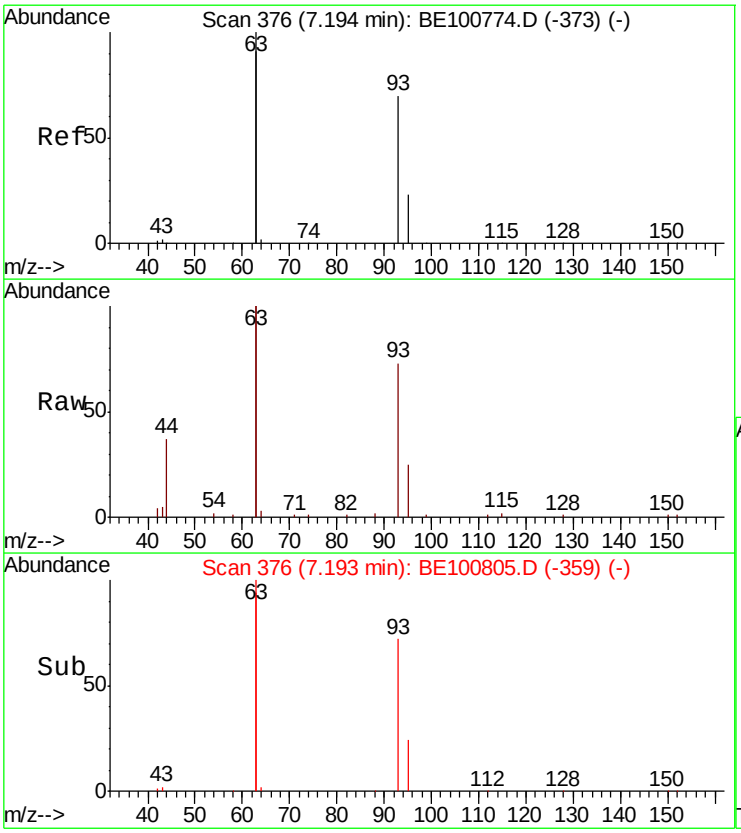
#5
Phenol-d6
Concen: 0.478 ng
RT: 6.93 min Scan# 353
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 9751

Ion	Ratio	Lower	Upper
99	100		
42	23.0	19.1	28.7
71	37.1	27.7	41.5

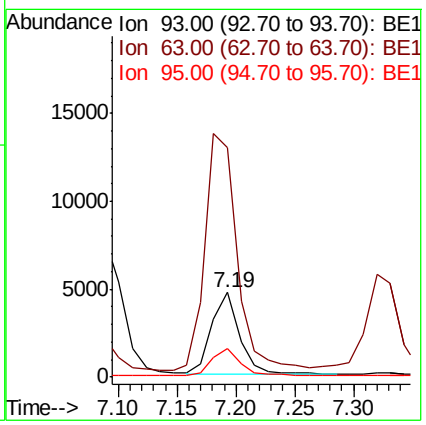


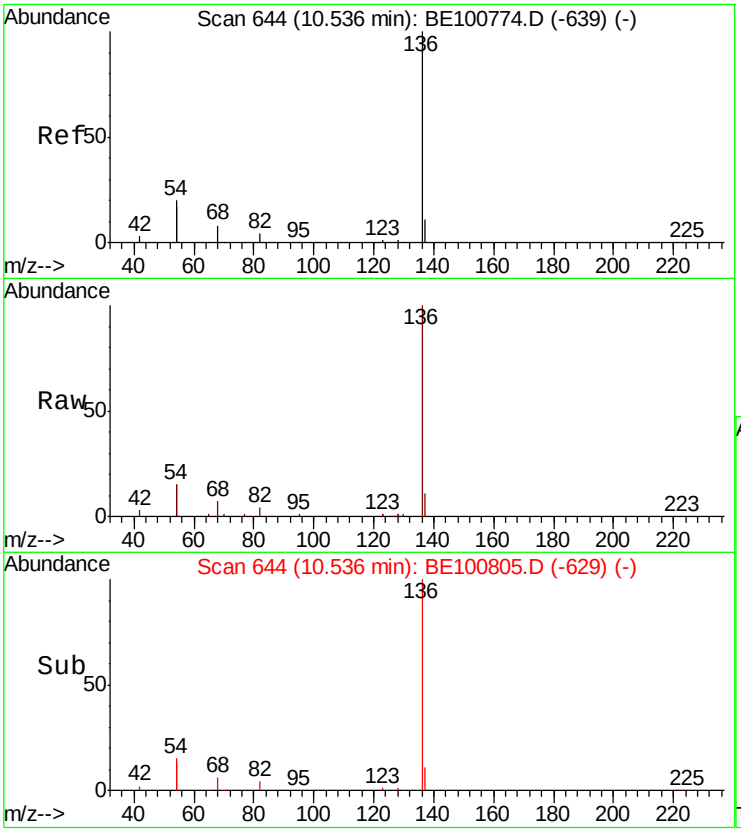


#6
bis(2-Chloroethyl)ether
Concen: 0.393 ng
RT: 7.19 min Scan# 376
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion: 93 Resp: 7743

Ion	Ratio	Lower	Upper
93	100		
63	329.1	259.4	389.0
95	34.3	26.2	39.2



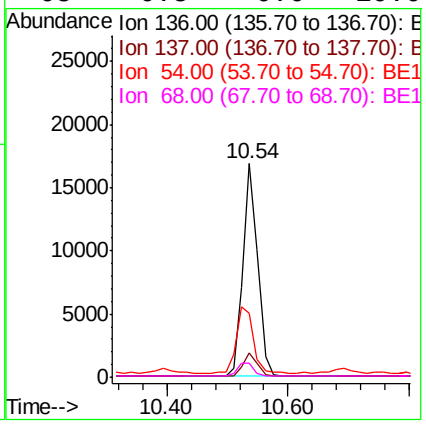


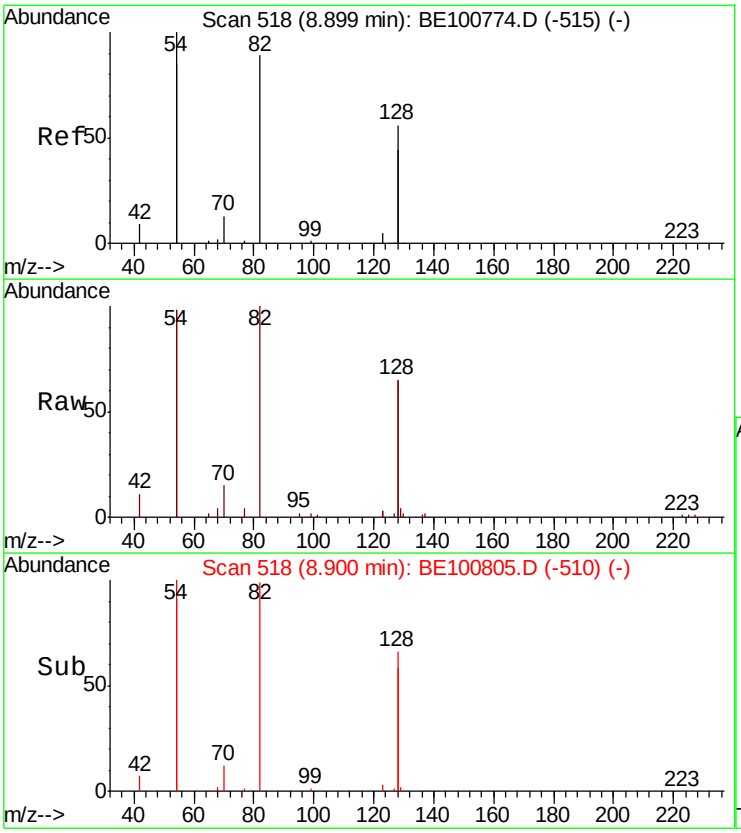
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 28401

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.4	14.0
54	30.2	31.1	46.7#
68	6.8	6.6	10.0

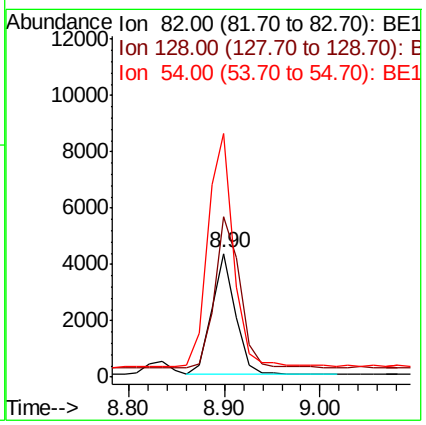


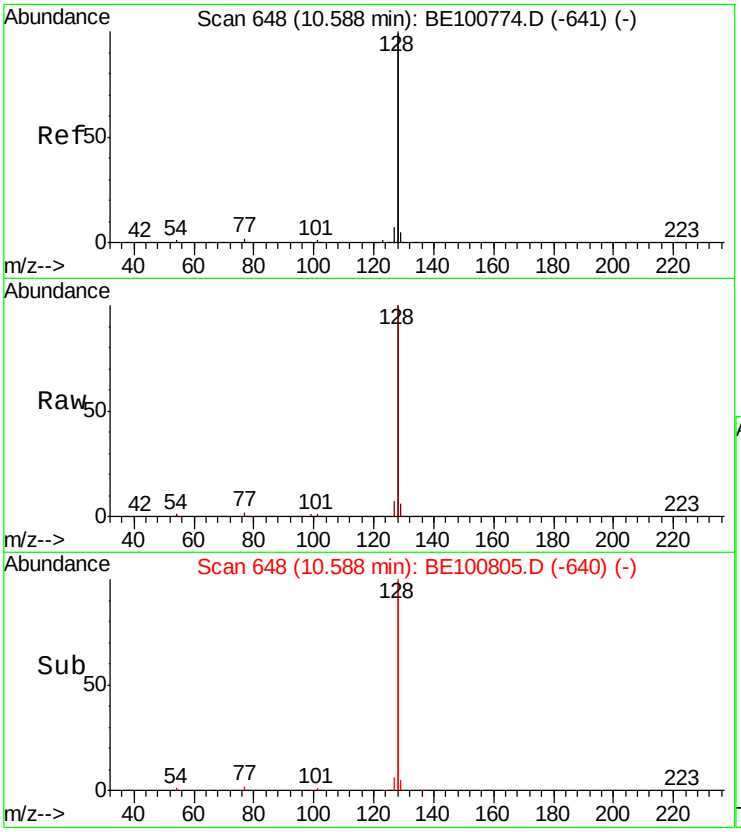


#8
Nitrobenzene-d5
Concen: 0.544 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion: 82 Resp: 7357

Ion	Ratio	Lower	Upper
82	100		
128	129.2	97.0	145.4
54	196.5	171.8	257.6



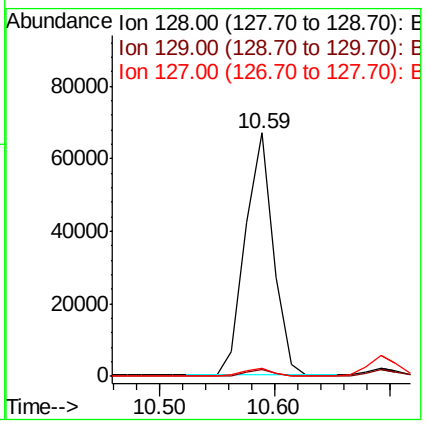


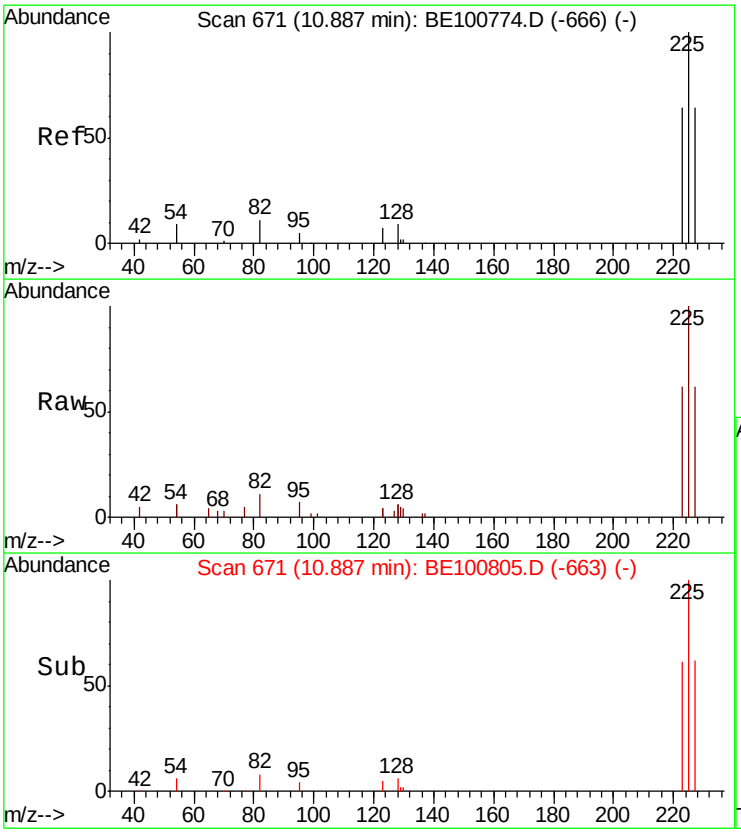
#9
Naphthalene
Concen: 0.377 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 113749

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.3	2.7	4.1

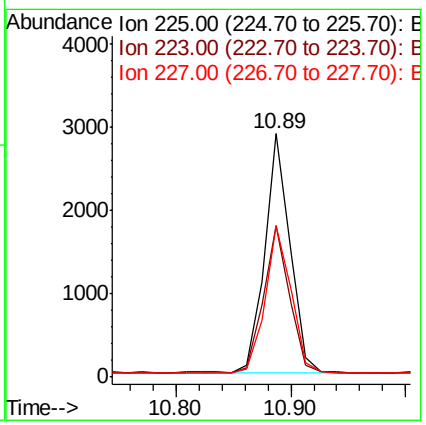


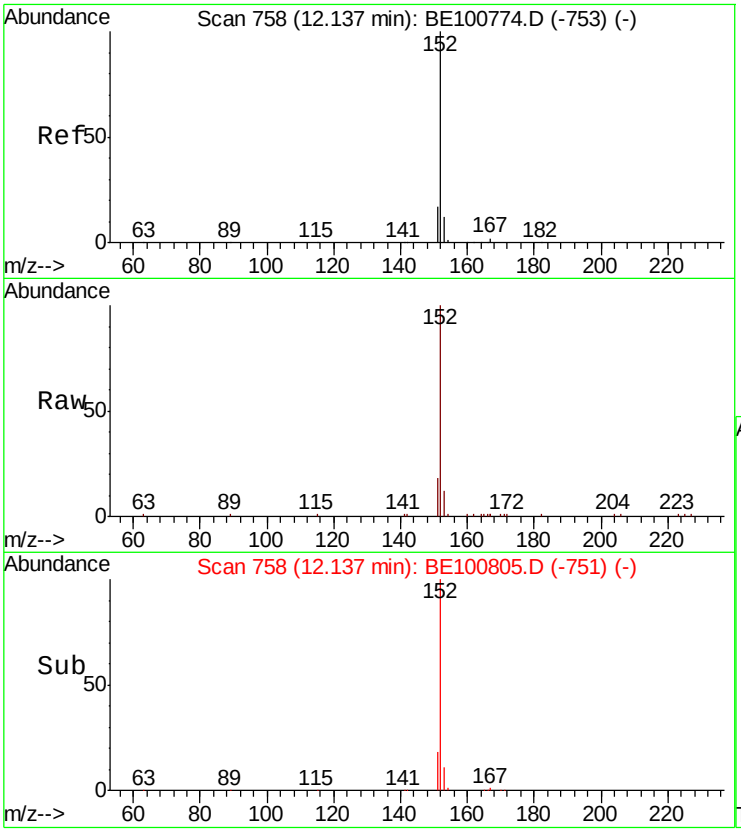


#10
Hexachlorobutadiene
Concen: 0.373 ng
RT: 10.89 min Scan# 671
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:225 Resp: 4392

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.9	74.9
227	63.3	52.2	78.4



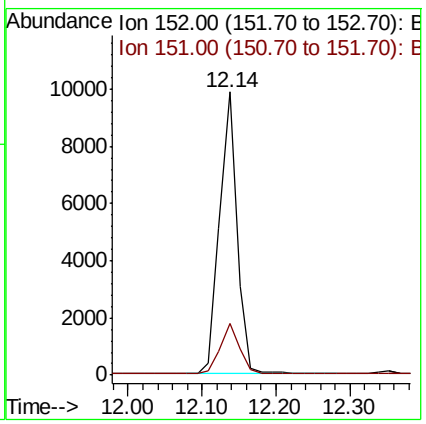


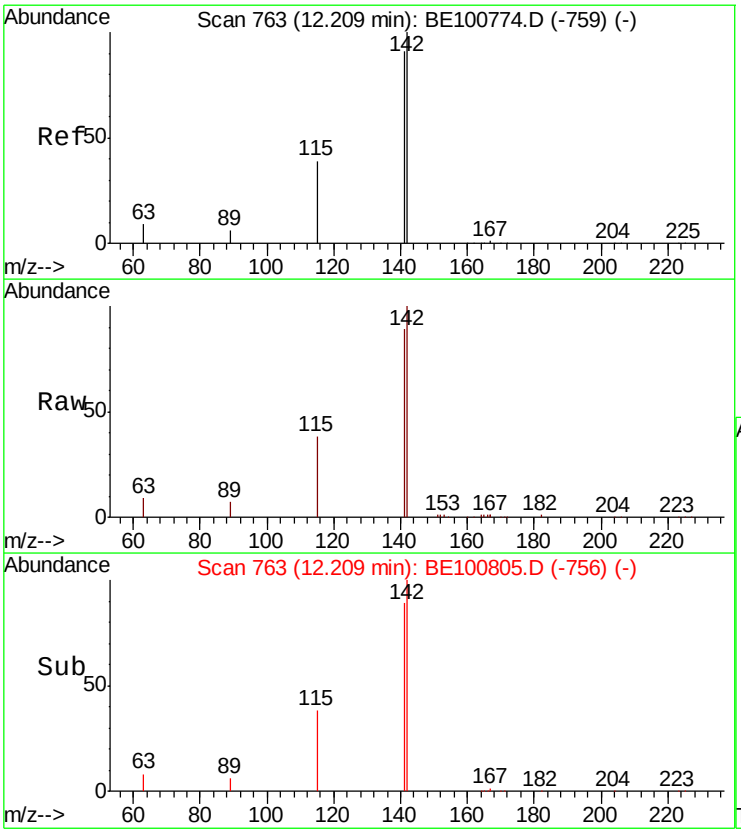
#11
2-Methylnaphthalene-d10
Concen: 0.390 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 16068

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8

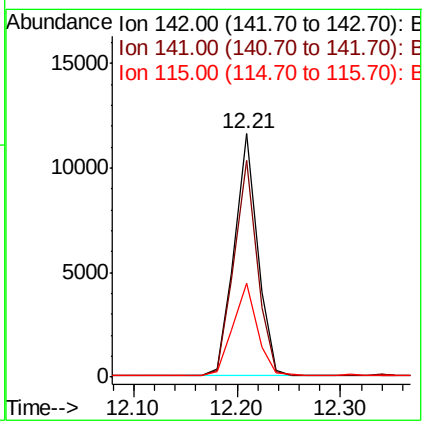


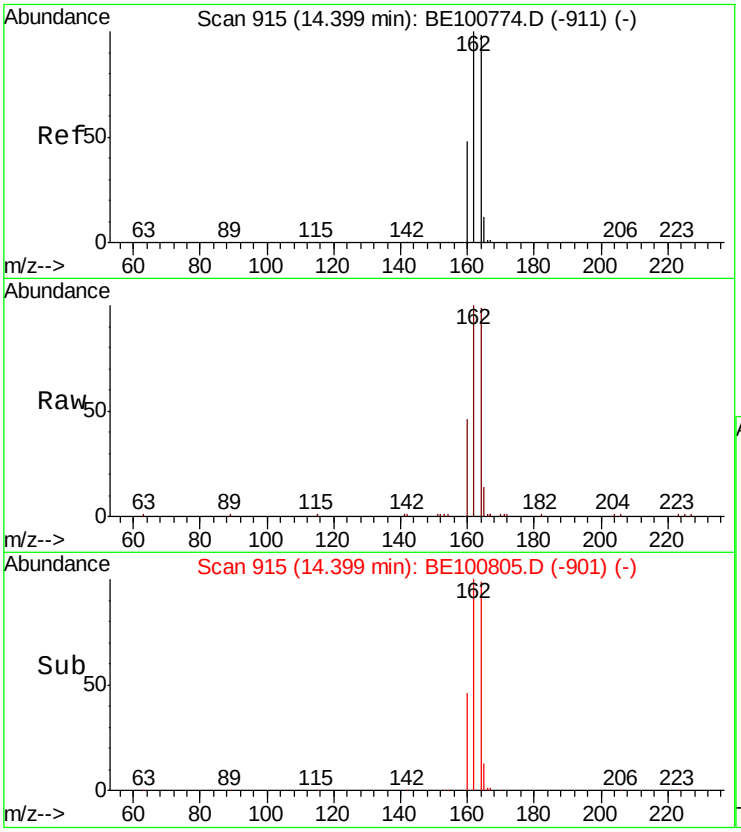


#12
2-Methylnaphthalene
Concen: 0.385 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:142 Resp: 18163

Ion	Ratio	Lower	Upper
142	100		
141	89.0	72.6	108.8
115	38.4	31.8	47.6



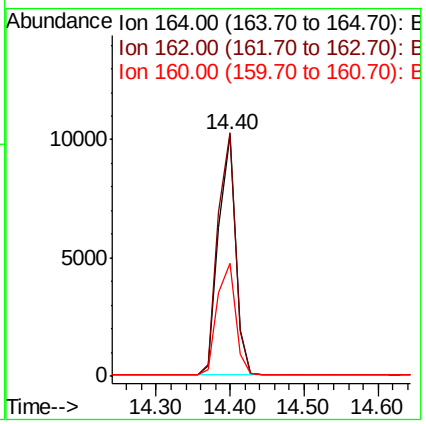


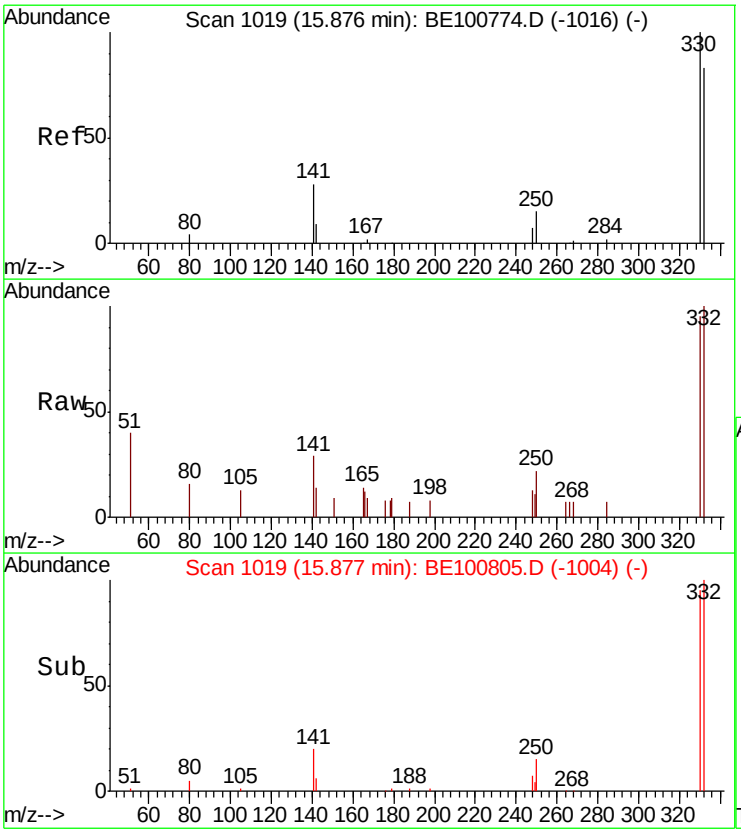
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 16217

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.4	122.0
160	46.7	39.4	59.0

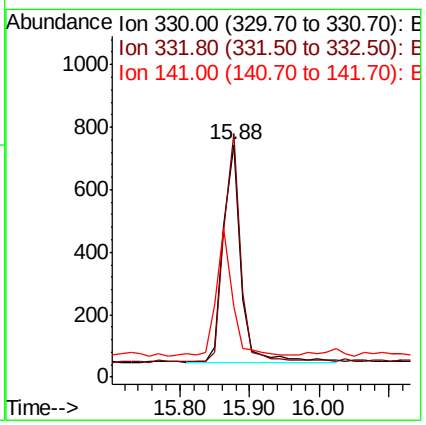


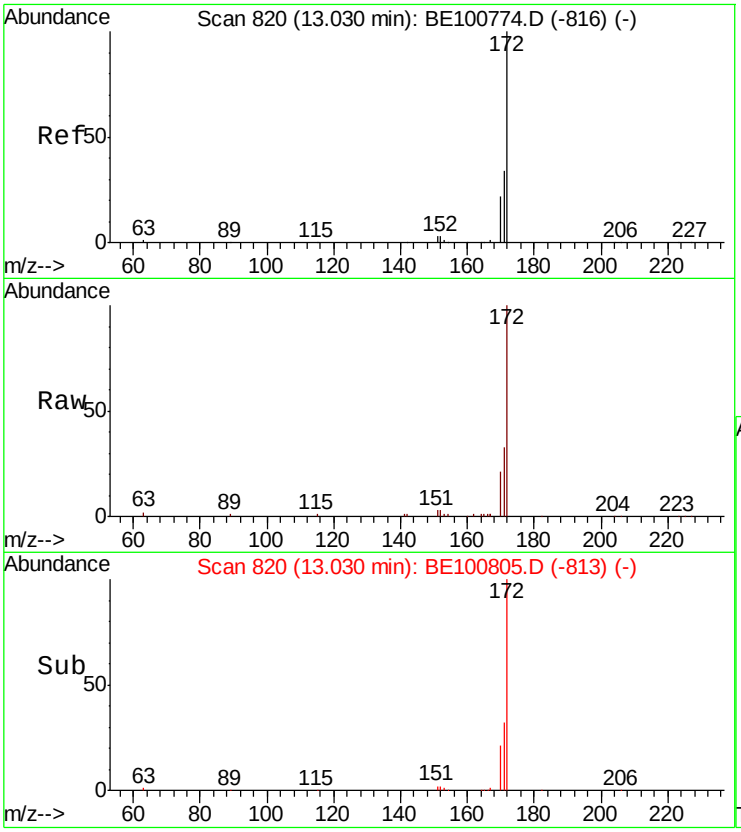


#14
2,4,6-Tribromophenol
Concen: 0.679 ng
RT: 15.88 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:330 Resp: 1225

Ion	Ratio	Lower	Upper
330	100		
332	97.7	69.4	104.2
141	52.8	51.1	76.7



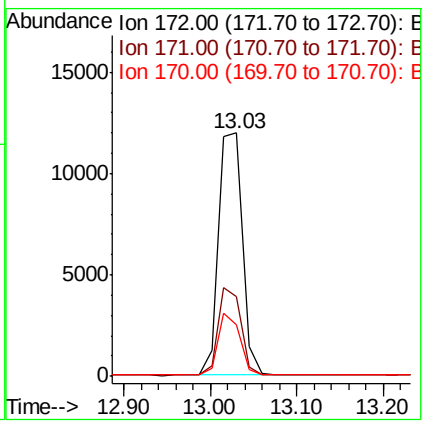


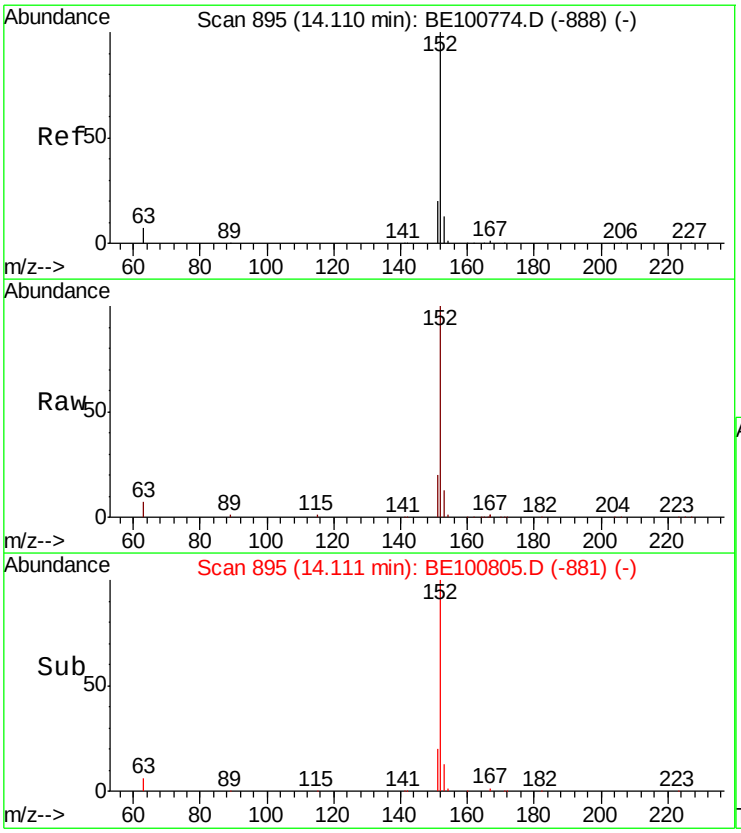
#15
2-Fluorobiphenyl
Concen: 0.357 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 22953

Ion	Ratio	Lower	Upper
172	100		
171	32.6	27.2	40.8
170	21.0	18.0	27.0

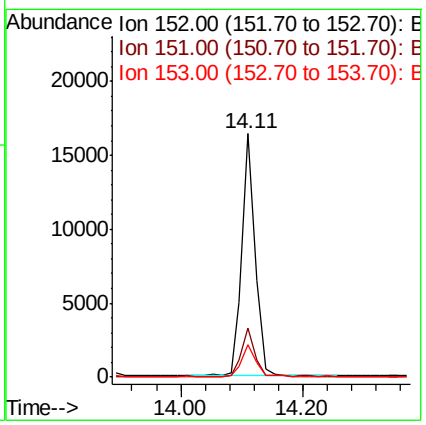


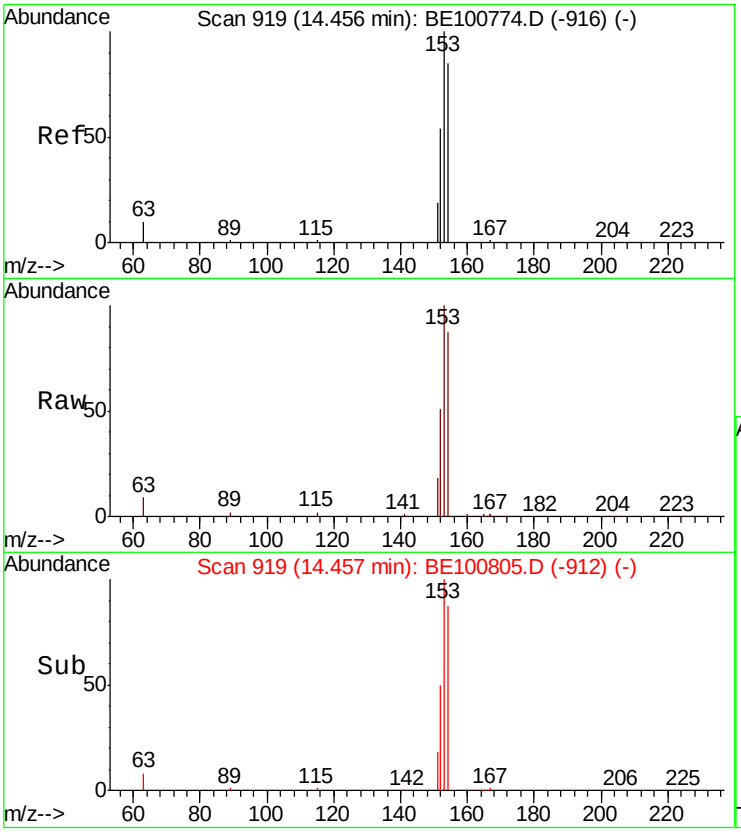


#16
Acenaphthylene
Concen: 0.373 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:152 Resp: 25045

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.8	23.6
153	13.0	10.4	15.6



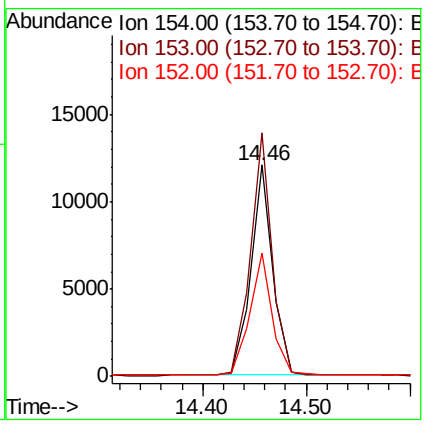


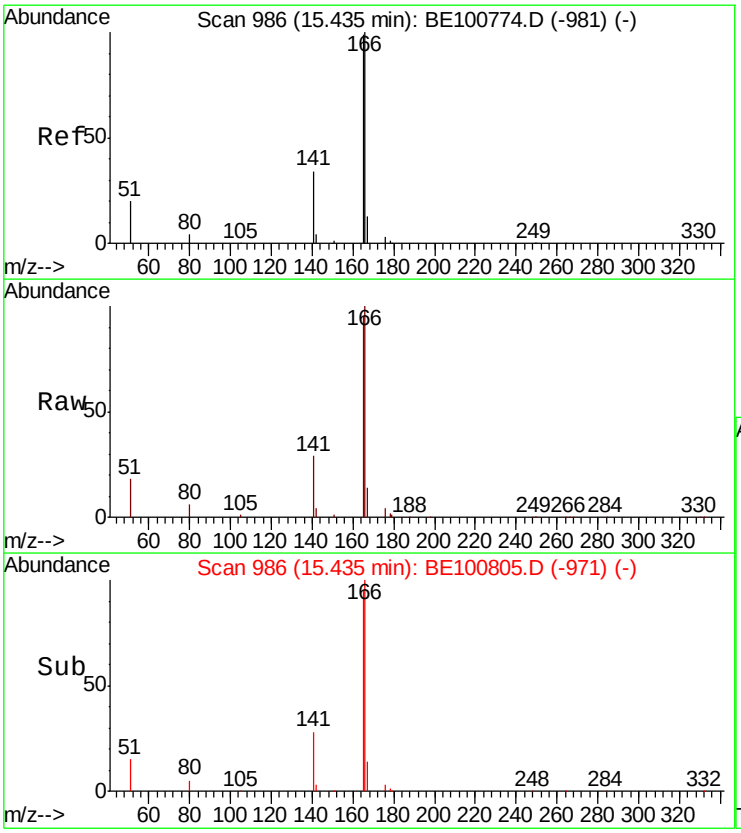
#17
Acenaphthene
Concen: 0.380 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 17569

Ion	Ratio	Lower	Upper
154	100		
153	114.1	92.2	138.2
152	59.3	49.1	73.7

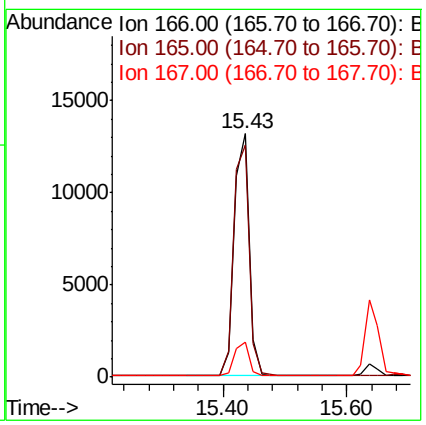


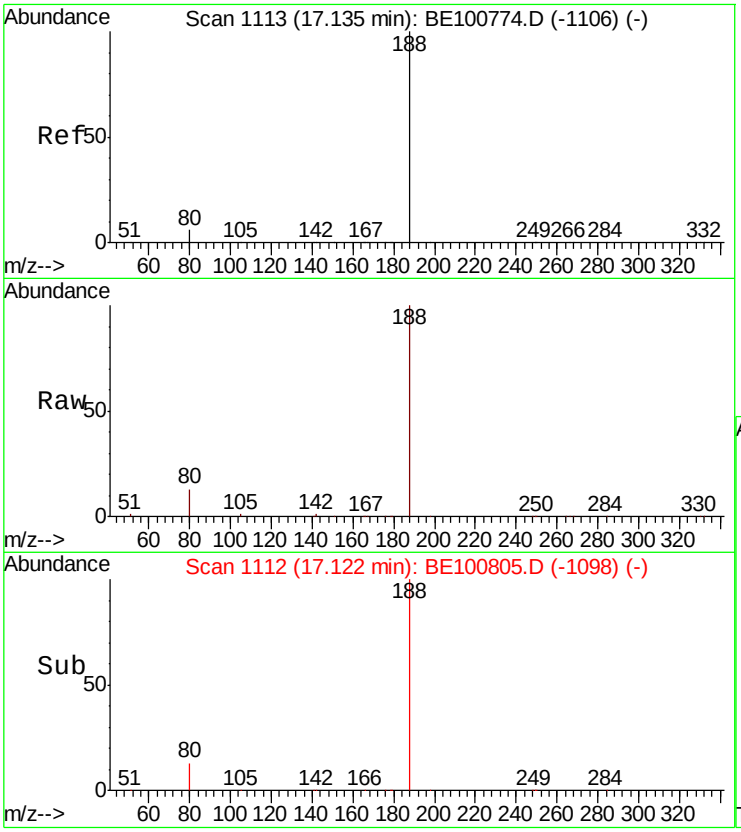


#18
Fluorene
Concen: 0.372 ng
RT: 15.43 min Scan# 986
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:166 Resp: 22160

Ion	Ratio	Lower	Upper
166	100		
165	98.4	80.5	120.7
167	13.8	10.7	16.1



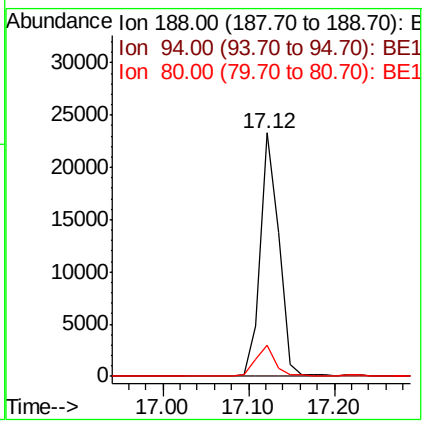


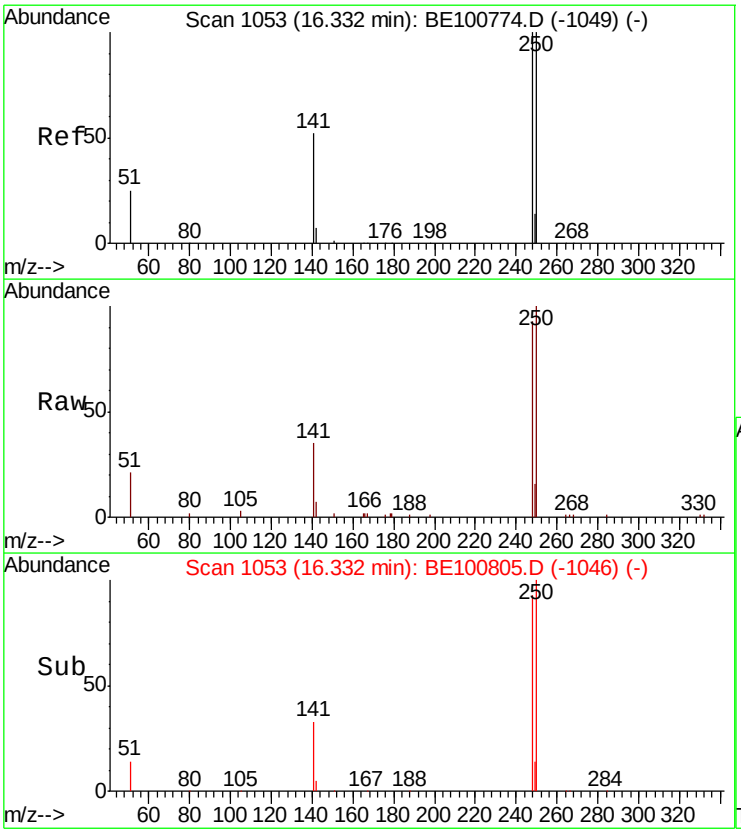
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 34784

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	5.2	7.8#

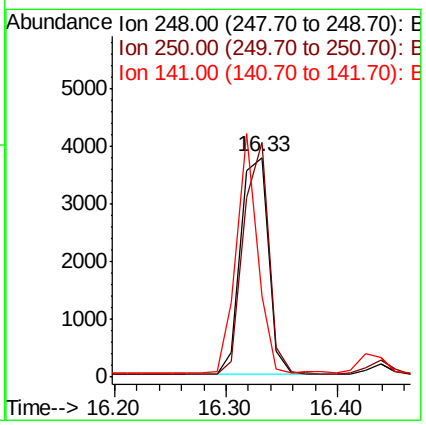


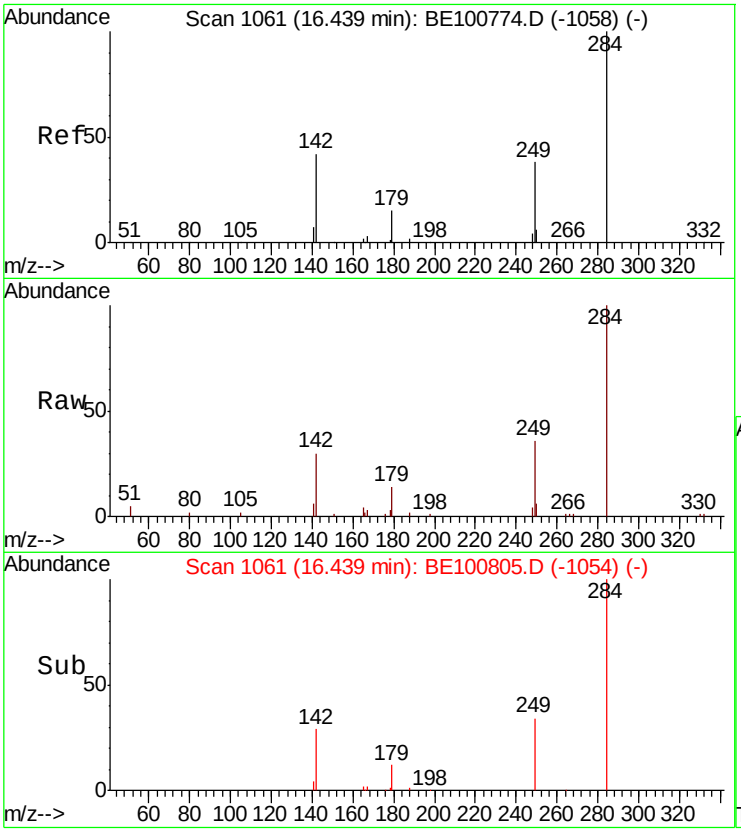


#20
4-Bromophenyl-phenylether
Concen: 0.382 ng
RT: 16.33 min Scan# 1053
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:248 Resp: 6526

Ion	Ratio	Lower	Upper
248	100		
250	107.0	80.5	120.7
141	37.2	42.6	64.0#



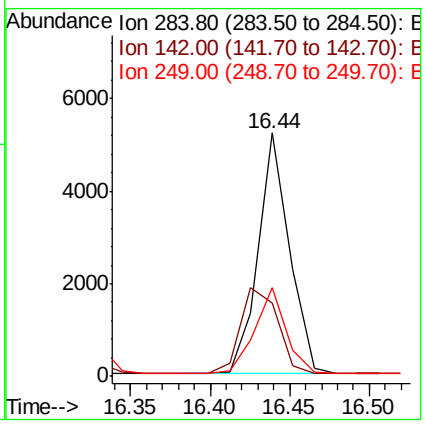


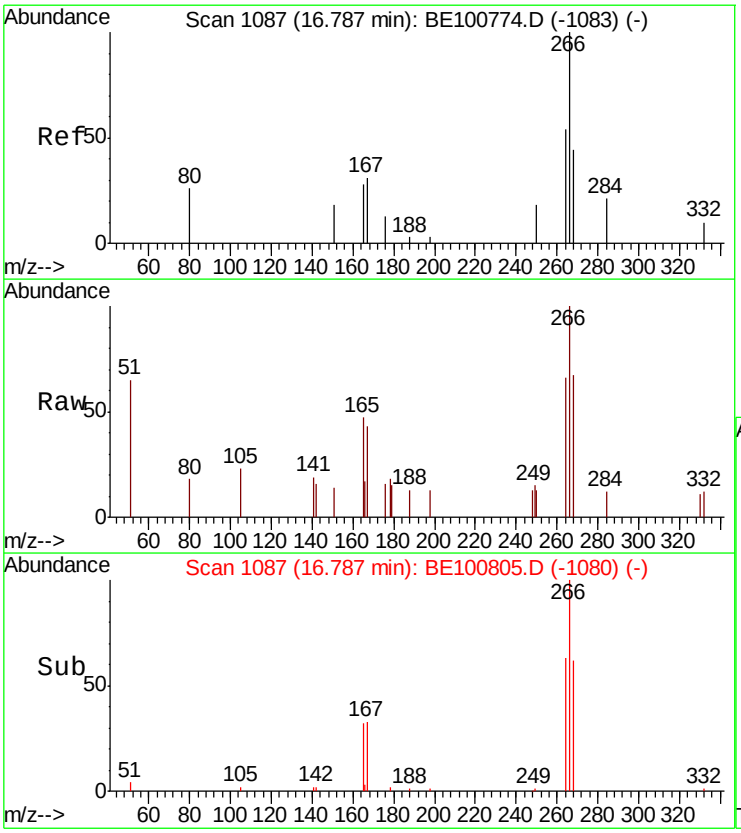
#21
Hexachlorobenzene
Concen: 0.387 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 7182

Ion	Ratio	Lower	Upper
284	100		
142	42.6	34.4	51.6
249	34.9	28.5	42.7

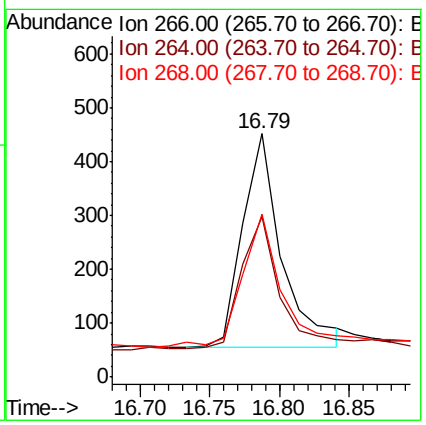


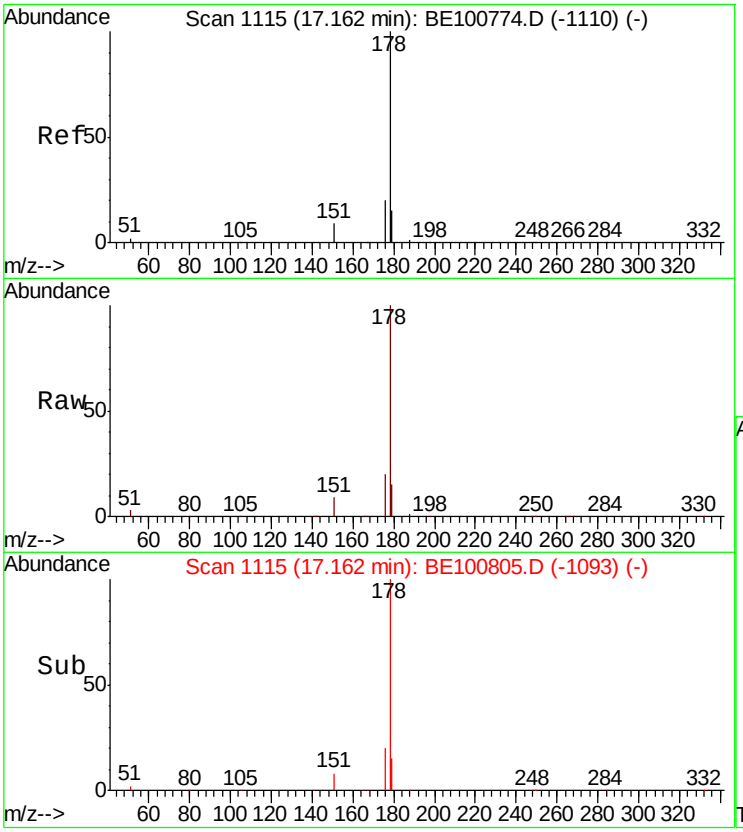


#22
Pentachlorophenol
Concen: 0.604 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:266 Resp: 774

Ion	Ratio	Lower	Upper
266	100		
264	65.9	63.4	95.0
268	67.0	65.8	98.8



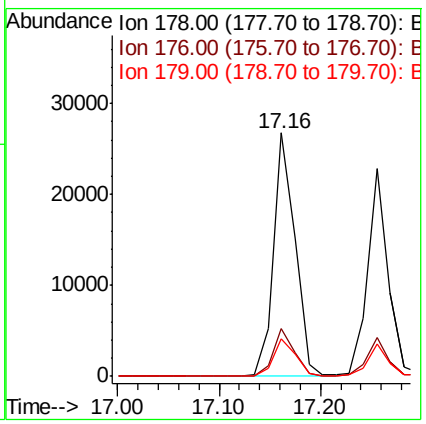


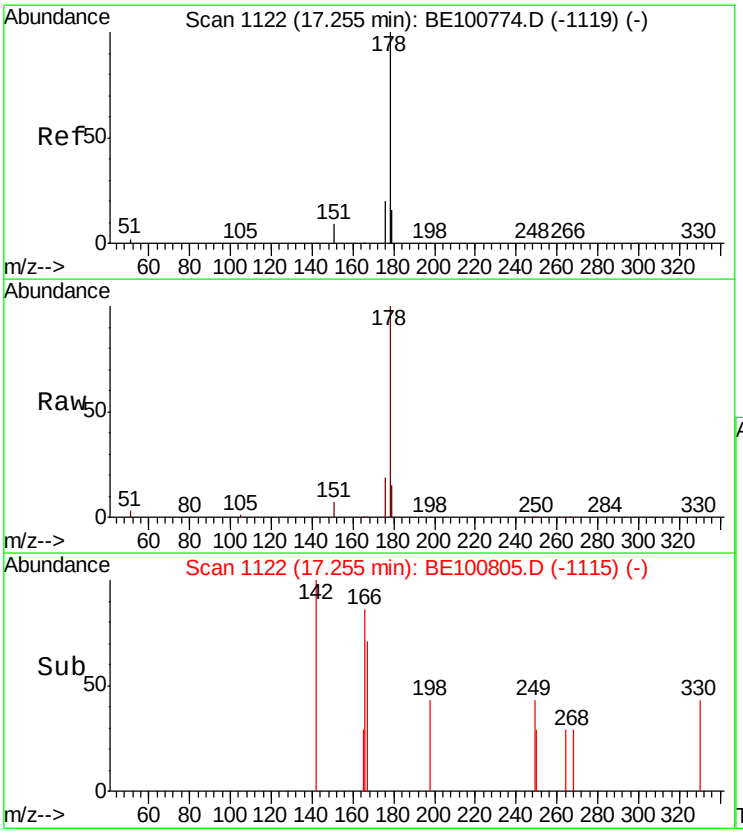
#23
Phenanthrene
Concen: 0.369 ng
RT: 17.16 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 38870

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.5	23.3
179	15.6	12.3	18.5

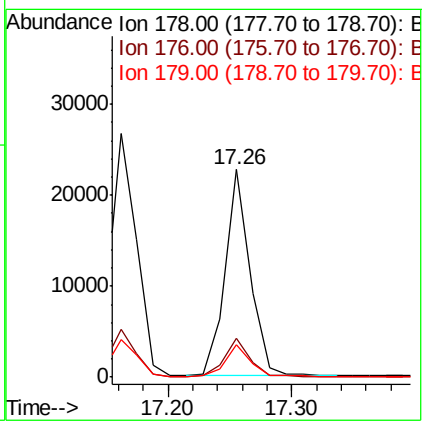


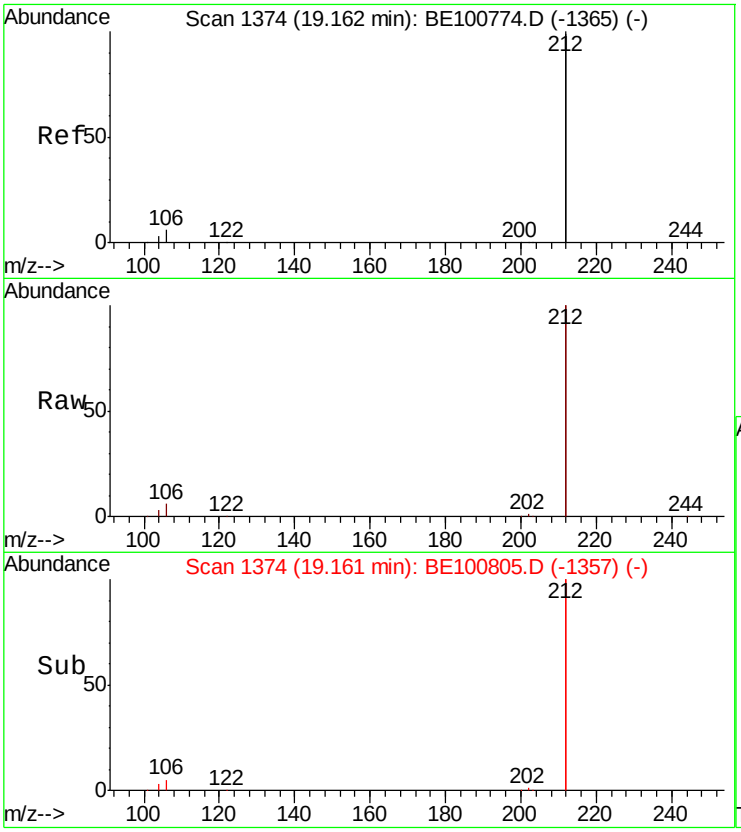


#24
Anthracene
Concen: 0.360 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:178 Resp: 31730

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.1	12.7	19.1



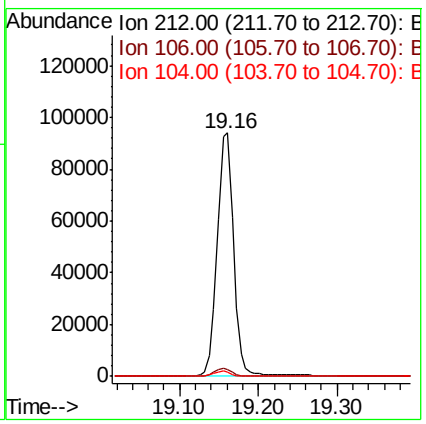


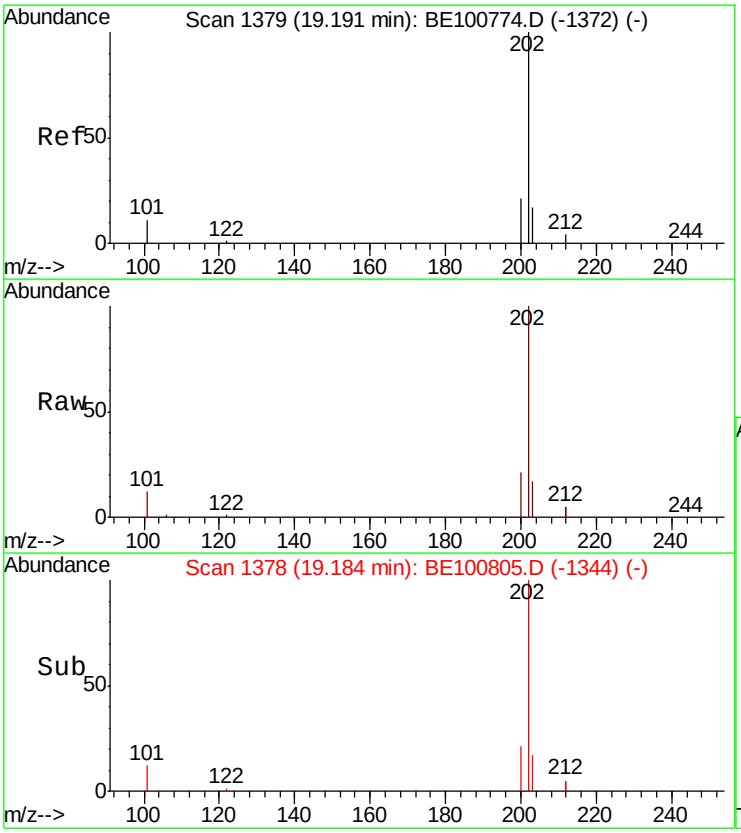
#25
Fluoranthene-d10
Concen: 0.326 ng
RT: 19.16 min Scan# 1374
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 133853

Ion	Ratio	Lower	Upper
212	100		
106	3.2	2.6	3.8
104	1.8	1.4	2.2

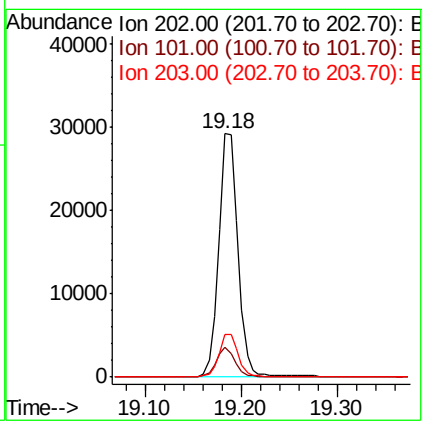


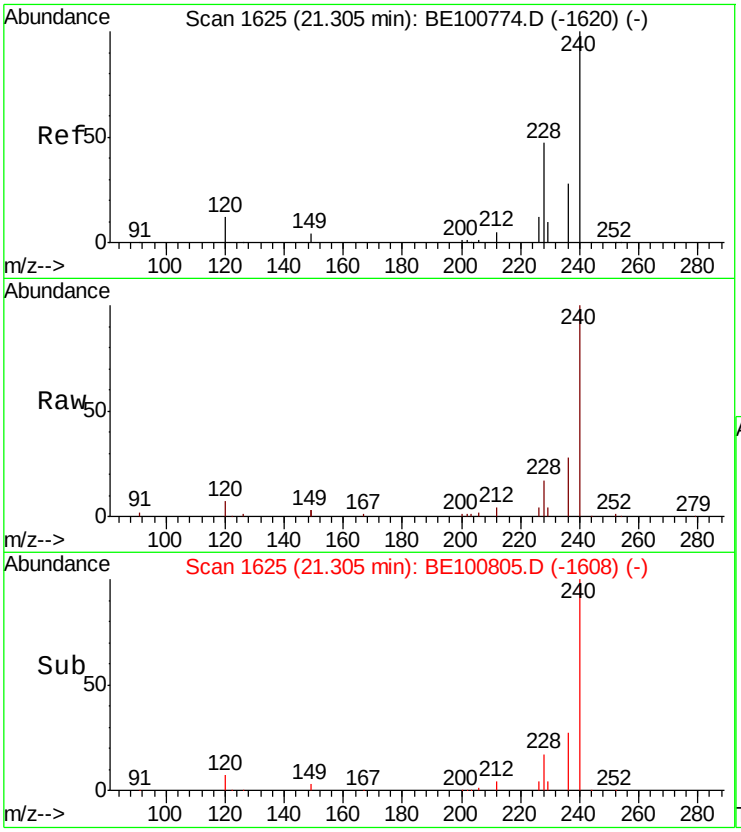


#26
Fluoranthene
Concen: 0.319 ng
RT: 19.18 min Scan# 1378
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:202 Resp: 40107

Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.1	13.7
203	17.4	13.8	20.6



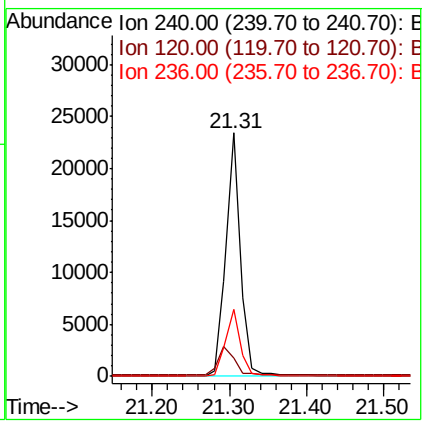


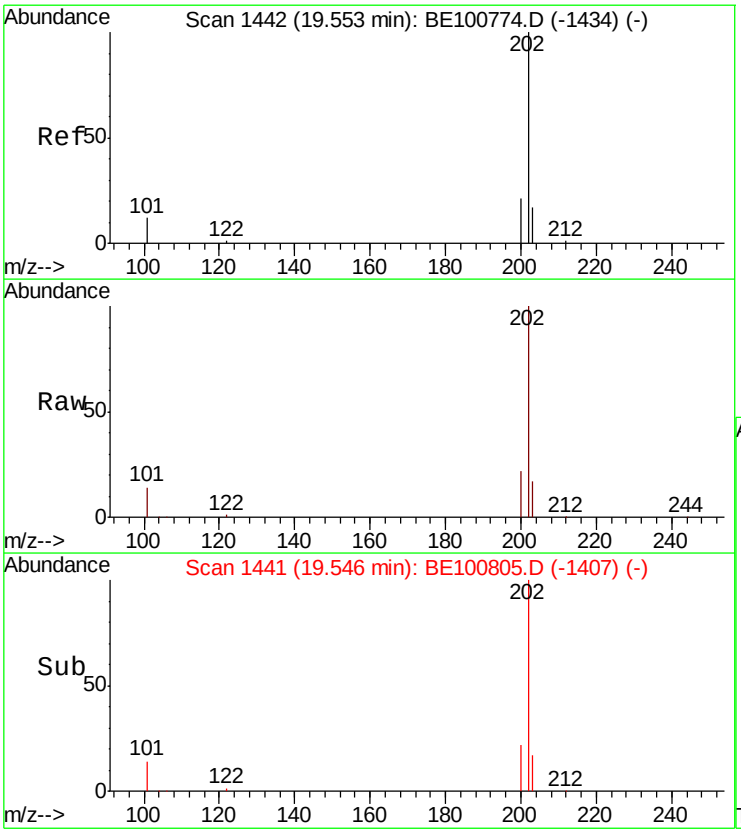
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 30446

Ion	Ratio	Lower	Upper
240	100		
120	7.5	10.2	15.2#
236	27.7	22.3	33.5

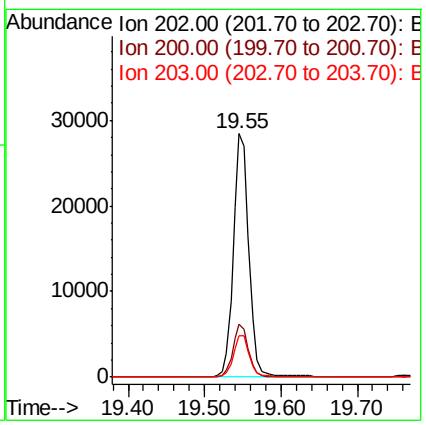


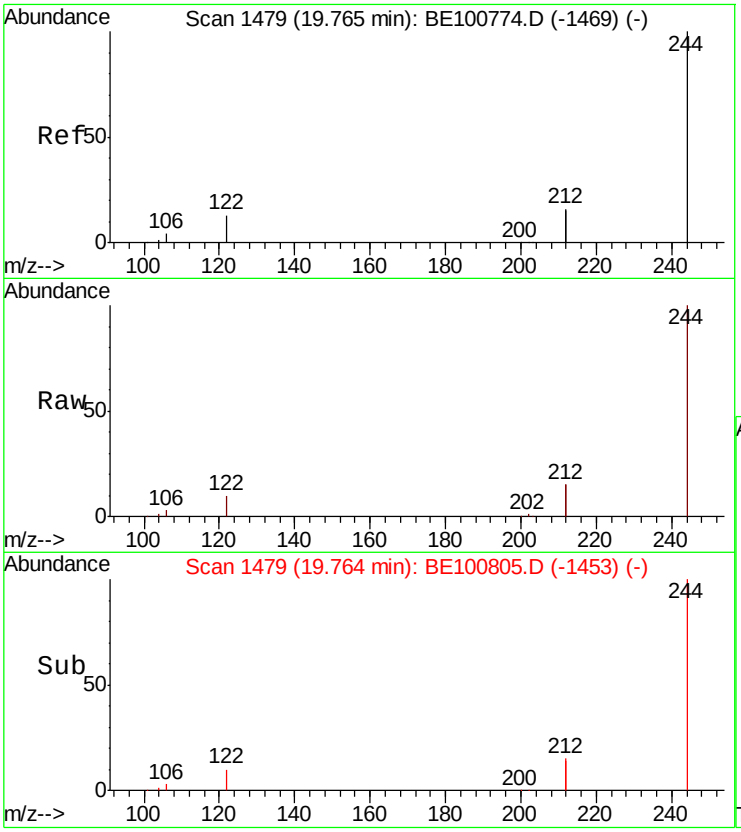


#28
Pyrene
Concen: 0.400 ng
RT: 19.55 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:202 Resp: 39605

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.0	25.4
203	17.3	13.9	20.9



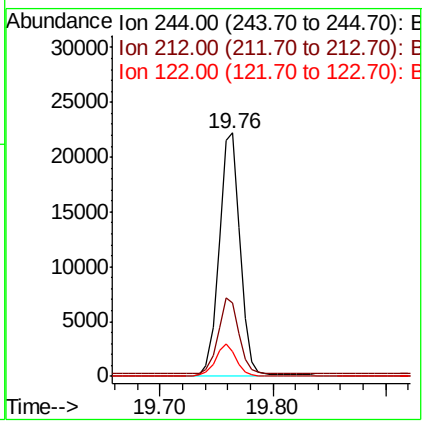


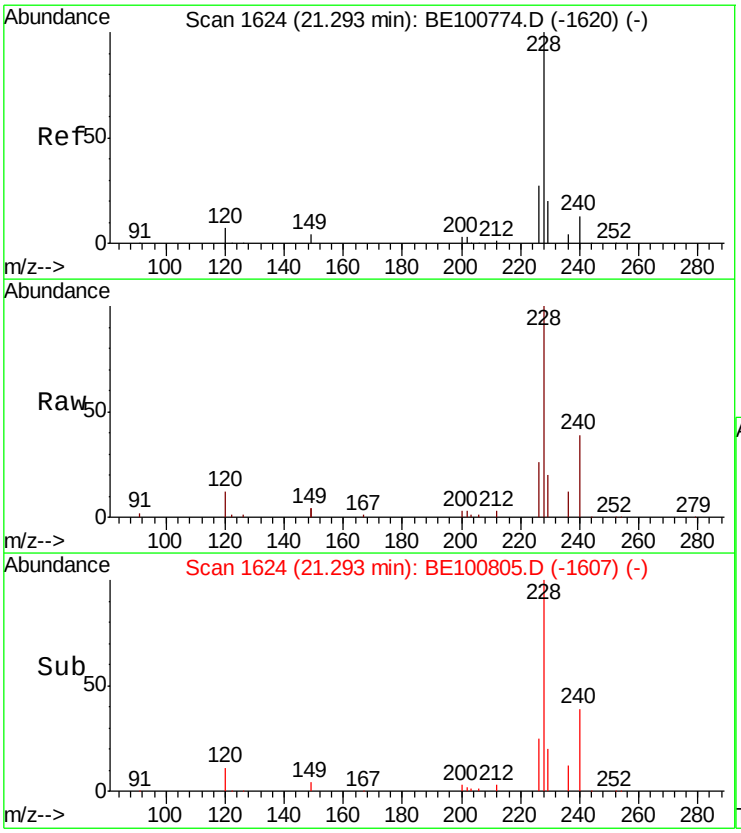
#29
Terphenyl-d14
Concen: 0.391 ng
RT: 19.76 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 28494

Ion	Ratio	Lower	Upper
244	100		
212	30.3	26.2	39.4
122	10.1	10.2	15.4#

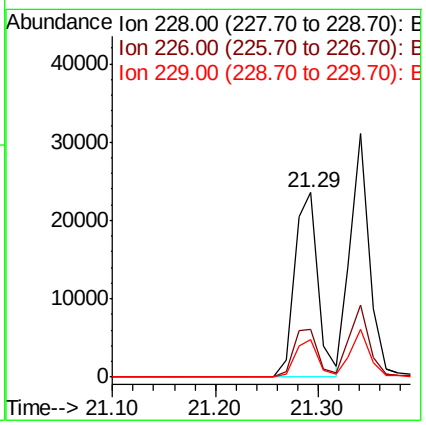


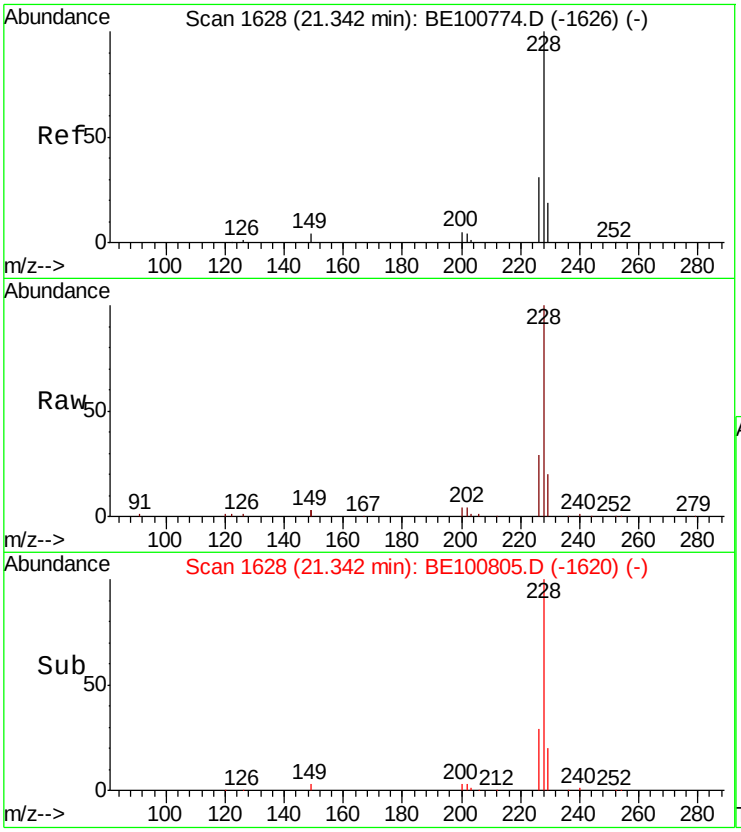


#30
Benzo(a)anthracene
Concen: 0.416 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:228 Resp: 37310

Ion	Ratio	Lower	Upper
228	100		
226	25.7	21.5	32.3
229	20.1	16.0	24.0



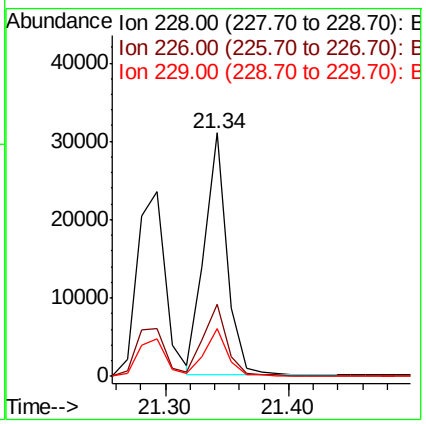


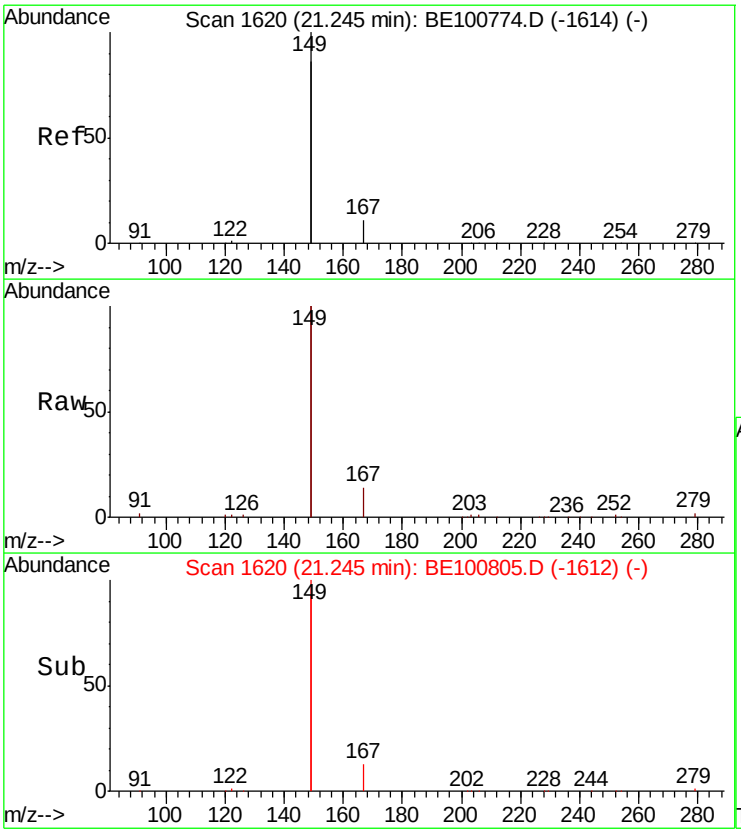
#31
Chrysene
Concen: 0.376 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 39628

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.4
229	19.9	15.4	23.2

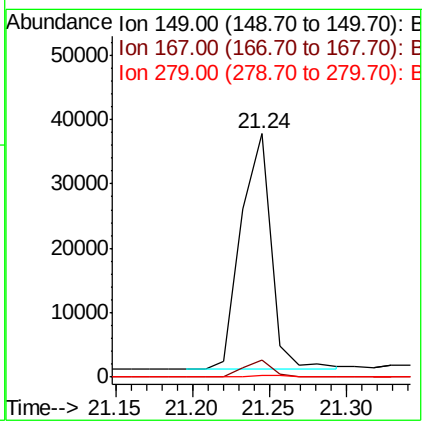


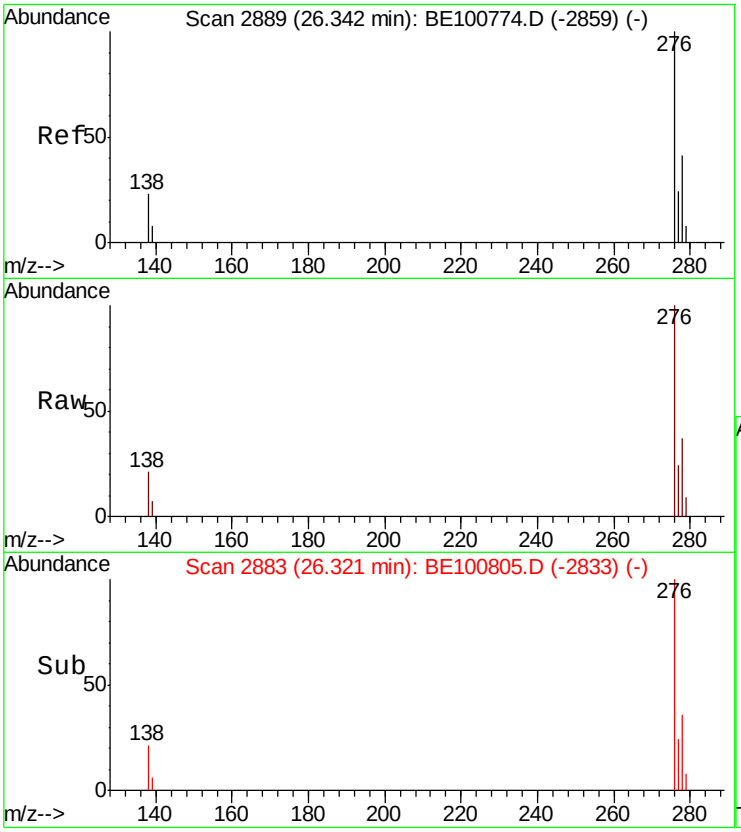


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.752 ng
RT: 21.24 min Scan# 1620
Delta R.T. 0.00 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:149 Resp: 49023

Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.0	7.6
279	0.9	0.7	1.1



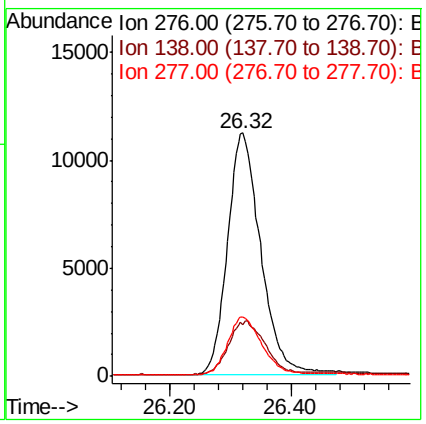


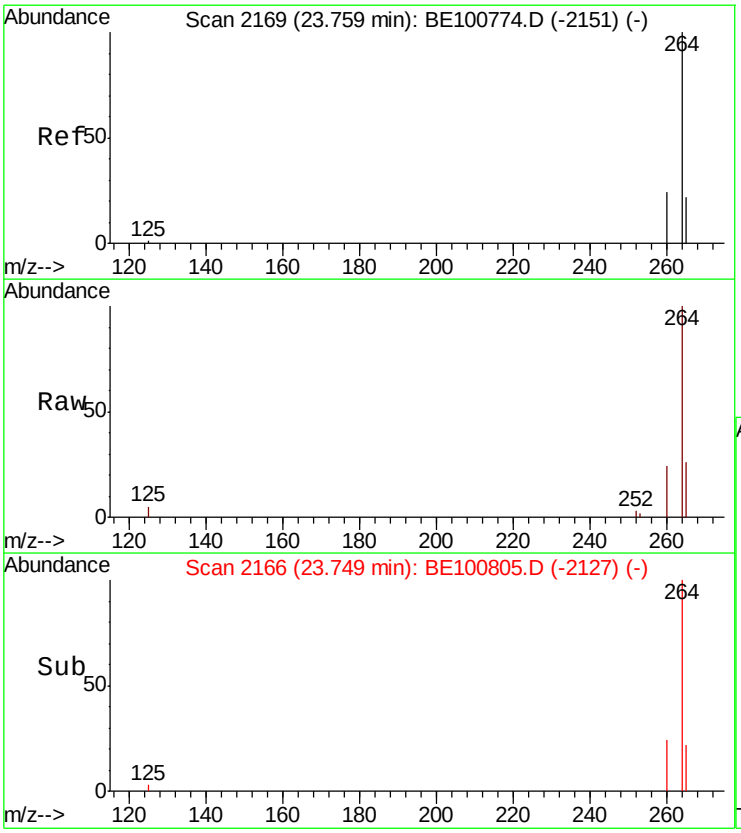
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.466 ng
RT: 26.32 min Scan# 2883
Delta R.T. -0.02 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 42825

Ion	Ratio	Lower	Upper
276	100		
138	24.1	19.4	29.0
277	24.3	19.8	29.6

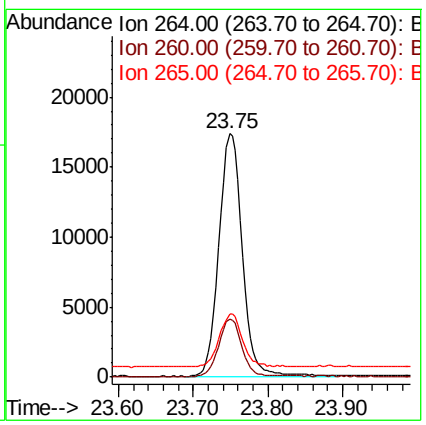


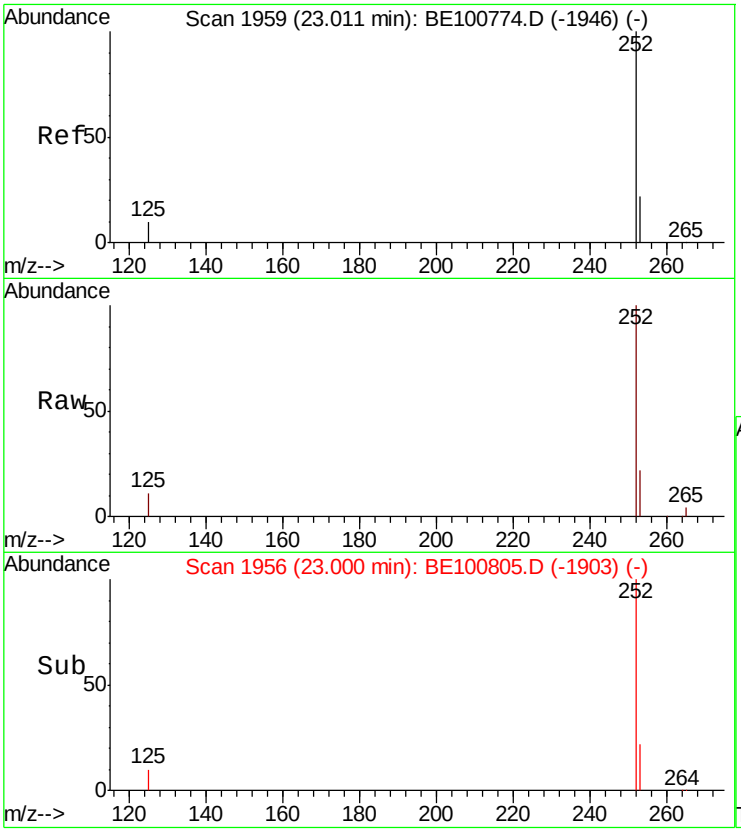


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.75 min Scan# 2166
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:264 Resp: 37207

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.4	29.2
265	25.8	21.8	32.8



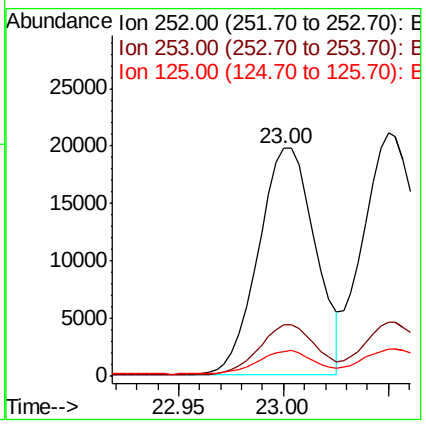


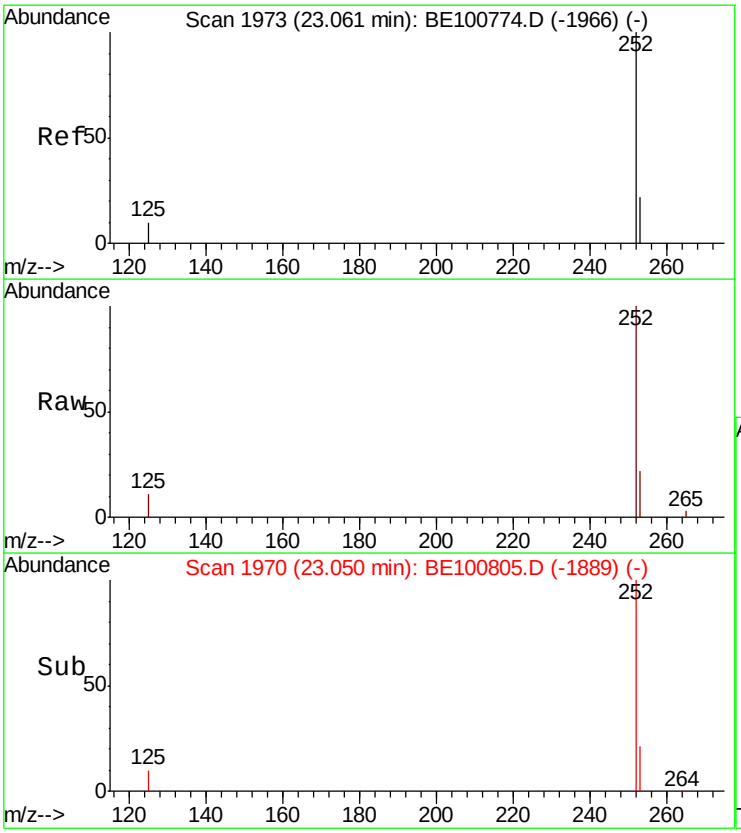
#35
Benzo(b)fluoranthene
Concen: 0.367 ng
RT: 23.00 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 37375

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.0	9.0	13.4

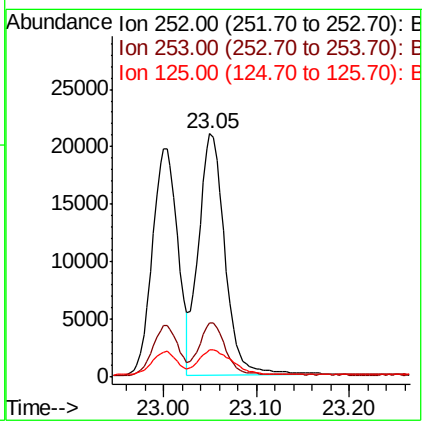


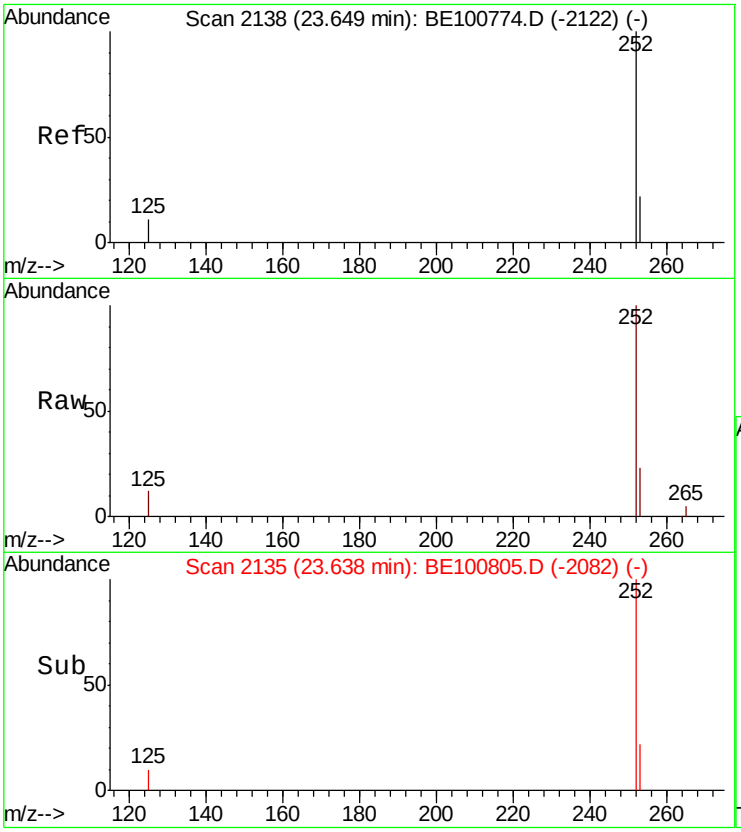


#36
Benzo(k)fluoranthene
Concen: 0.358 ng
RT: 23.05 min Scan# 1970
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:252 Resp: 40866

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.1	8.7	13.1



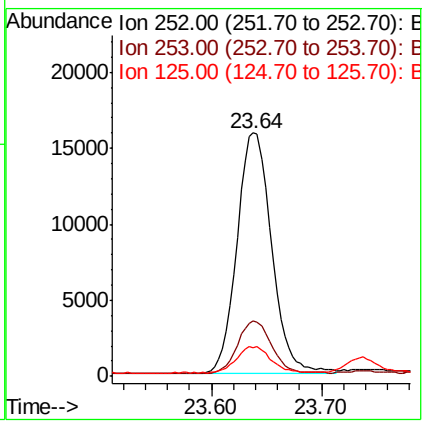


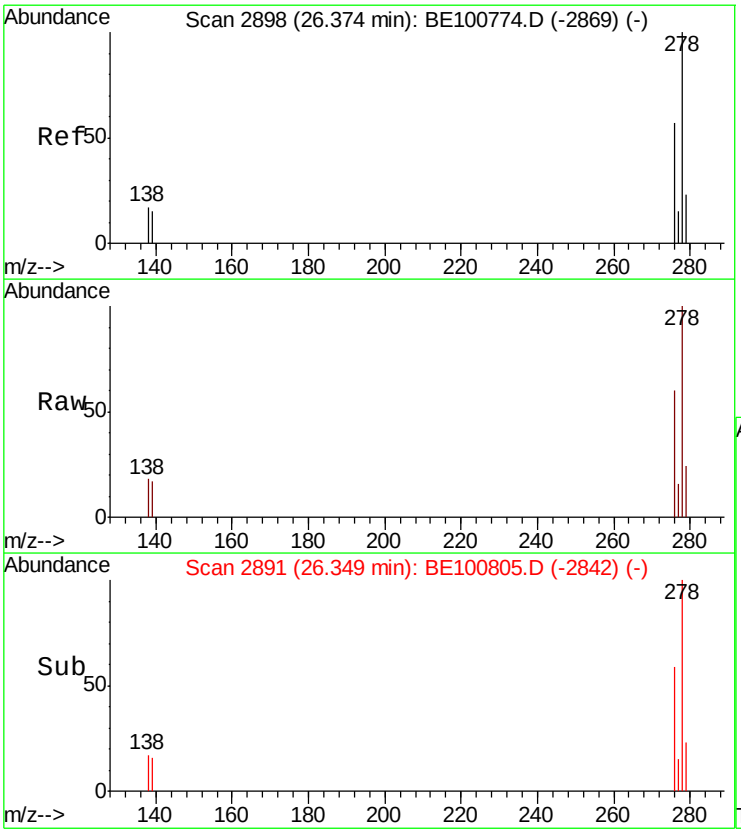
#37
Benzo(a)pyrene
Concen: 0.391 ng
RT: 23.64 min Scan# 2135
Delta R.T. -0.01 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 34487

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	11.9	10.4	15.6

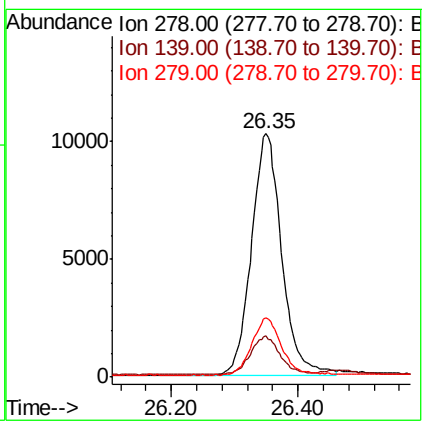


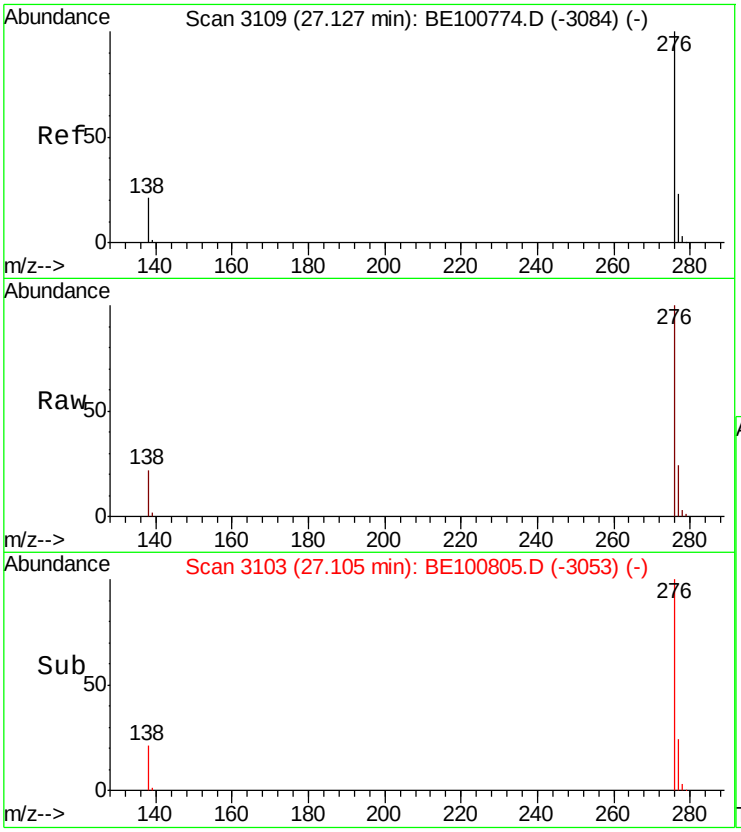


#38
Dibenzo(a,h)anthracene
Concen: 0.390 ng
RT: 26.35 min Scan# 2891
Delta R.T. -0.02 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Tgt Ion:278 Resp: 34241

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.0	19.4
279	24.2	19.6	29.4





#39
Benzo(g,h,i)perylene
Concen: 0.389 ng
RT: 27.11 min Scan# 3103
Delta R.T. -0.02 min
Lab File: BE100805.D
Acq: 10 Dec 2019 10:58

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 36511

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.3	28.9
138	21.7	17.8	26.6