Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
Data File : BE100897.D
Acq On : 13 Dec 2019 22:13
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Dec 14 03:07:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	4964	0.40	ng		0.00
7) Naphthalene-d8	10.54	136	23210	0.40	ng		0.00
13) Acenaphthene-d10	14.40	164	13023	0.40	ng		0.01
19) Phenanthrene-d10	17.12	188	29406	0.40	ng		0.00
27) Chrysene-d12	21.31	240	26194	0.40	ng		0.00
34) Perylene-d12	23.74	264	32156	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	5089	0.43	ng		0.00
5) Phenol-d6	6.93	99	7739	0.44	ng		0.00
8) Nitrobenzene-d5	8.90	82	5817	0.53	ng		0.00
11) 2-Methylnaphthalene-d10	12.14	152	12851	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	821	0.57	ng		0.00
15) 2-Fluorobiphenyl	13.02	172	19026	0.37	ng		0.00
25) Fluoranthene-d10	19.16	212	113183	0.33	ng		0.00
29) Terphenyl-d14	19.76	244	24418	0.39	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	3673	0.406	ng		100
3) n-Nitrosodimethylamine	3.65	42	2986	0.405	ng	#	92
6) bis(2-Chloroethyl)ether	7.19	93	6704	0.390	ng		96
9) Naphthalene	10.59	128	95130	0.386	ng		99
10) Hexachlorobutadiene	10.89	225	3609	0.375	ng		98
12) 2-Methylnaphthalene	12.21	142	14562	0.378	ng		98
16) Acenaphthylene	14.11	152	19368	0.360	ng		99
17) Acenaphthene	14.46	154	13949	0.376	ng		99
18) Fluorene	15.42	166	17930	0.374	ng		98
20) 4-Bromophenyl-phenylether	16.32	248	5163	0.358	ng		93
21) Hexachlorobenzene	16.44	284	5966	0.381	ng		99
22) Pentachlorophenol	16.79	266	567	0.523	ng		93
23) Phenanthrene	17.16	178	33743	0.379	ng		99
24) Anthracene	17.25	178	25869	0.347	ng		99
26) Fluoranthene	19.18	202	35016	0.329	ng		99
28) Pyrene	19.55	202	34220	0.402	ng		100
30) Benzo(a)anthracene	21.28	228	30284	0.392	ng		99
31) Chrysene	21.34	228	35280	0.389	ng		96
32) Bis(2-ethylhexyl)phthalate	21.23	149	34954	0.636	ng		100
33) Indeno(1,2,3-cd)pyrene	26.32	276	31796	0.402	ng	#	86
35) Benzo(b)fluoranthene	23.00	252	28687	0.326	ng		99
36) Benzo(k)fluoranthene	23.05	252	35974	0.364	ng		98
37) Benzo(a)pyrene	23.63	252	24415	0.320	ng		99
38) Dibenzo(a,h)anthracene	26.34	278	25791	0.340	ng		98
39) Benzo(g,h,i)perylene	27.10	276	27995	0.345	ng		99

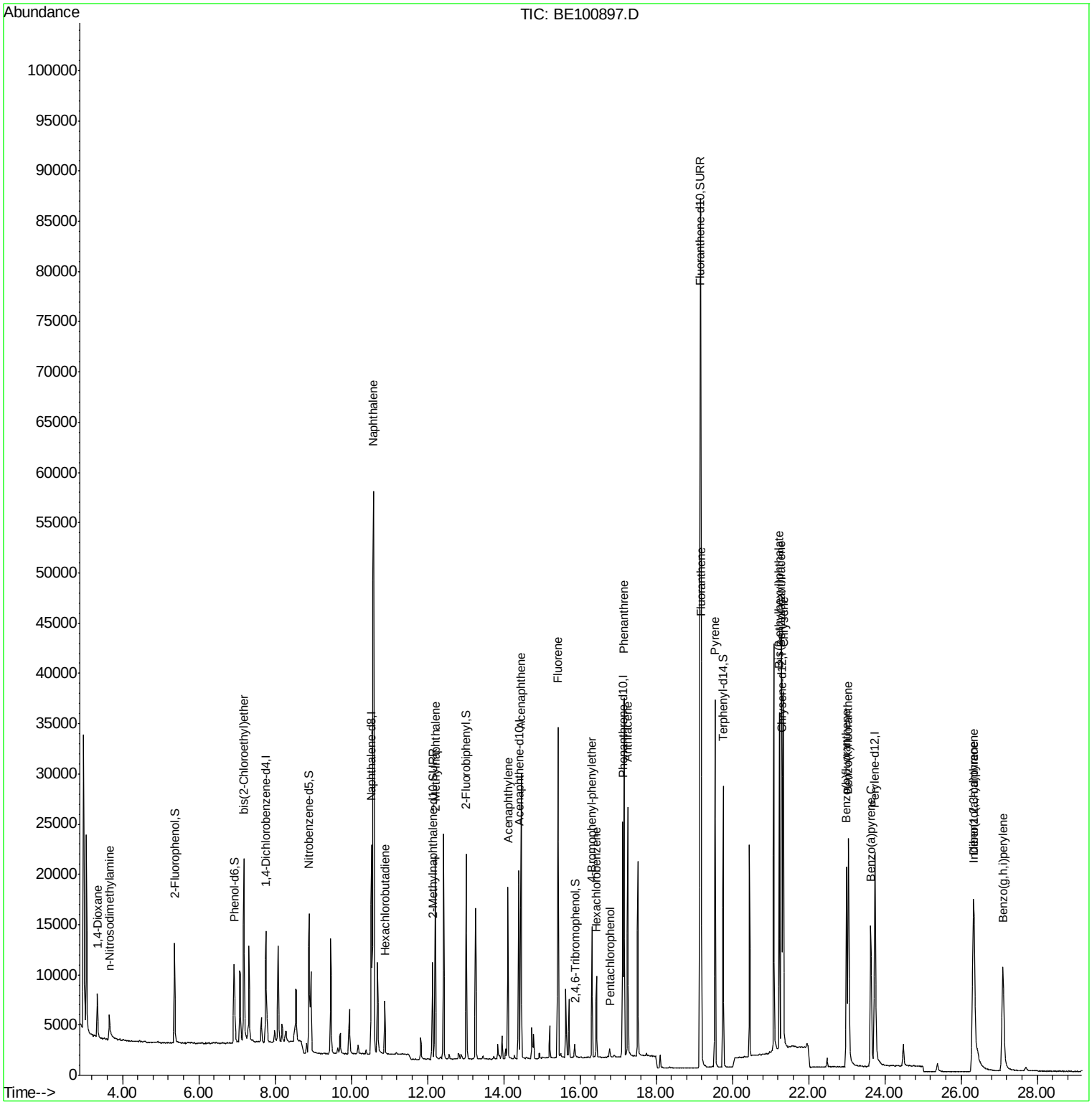
(#) = qualifier out of range (m) = manual integration (+) = signals summed

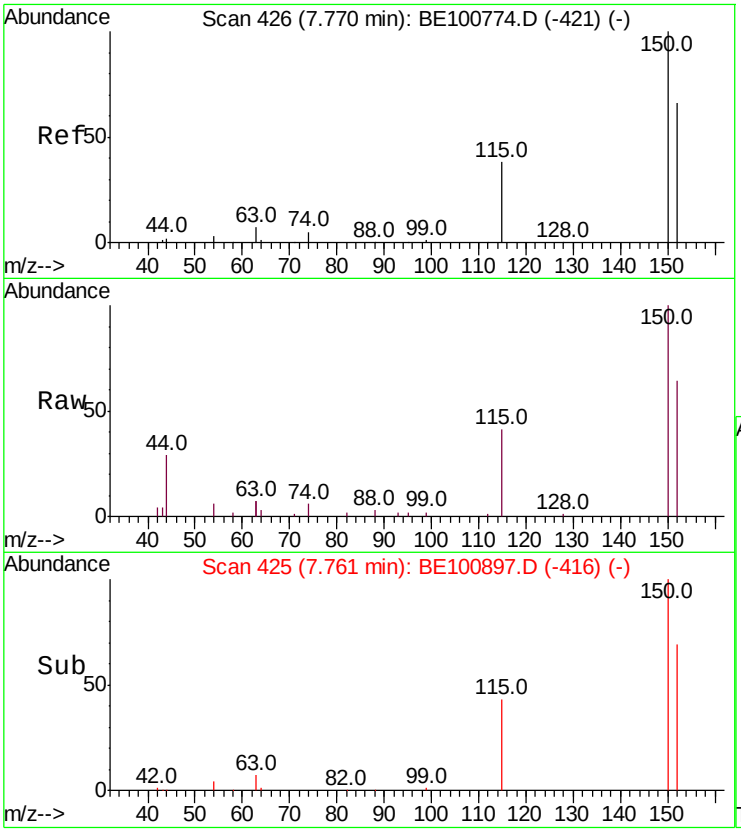
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
Data File : BE100897.D
Acq On : 13 Dec 2019 22:13
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 14 03:07:57 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 13 10:42:38 2019
Response via : Initial Calibration



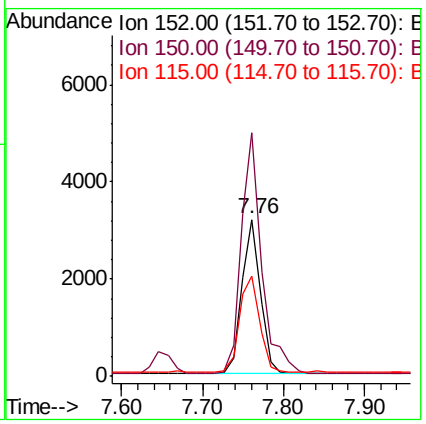


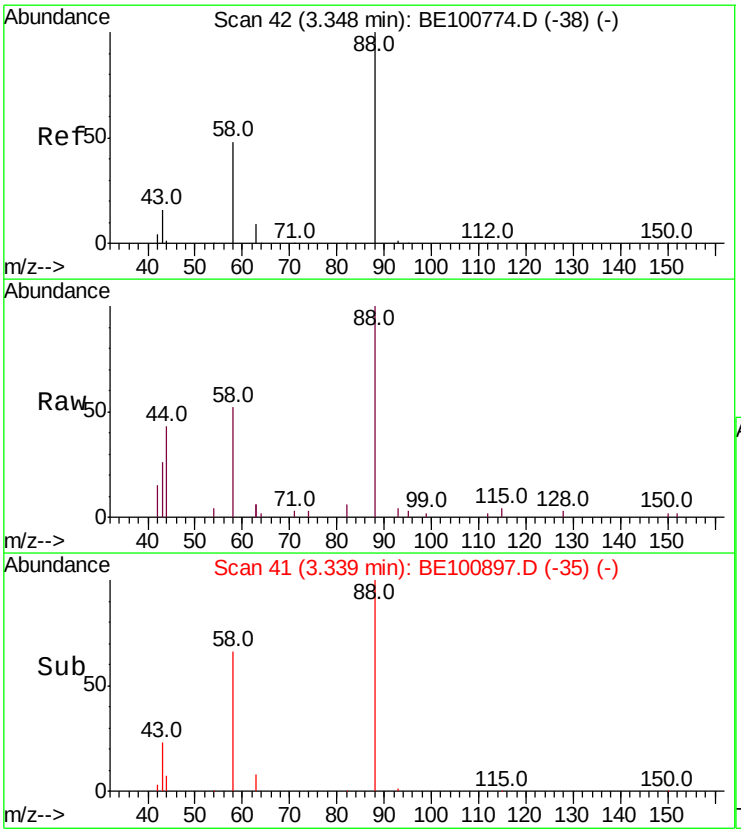
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4964

Ion	Ratio	Lower	Upper
152	100		
150	155.5	125.5	188.3
115	64.1	55.7	83.5

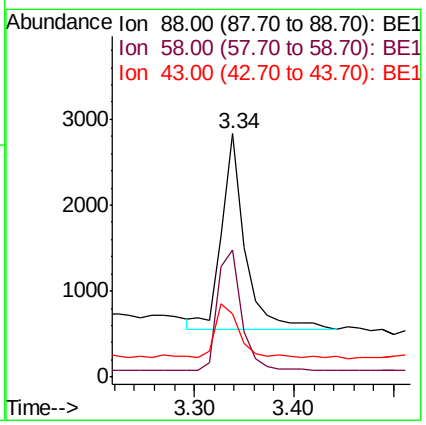


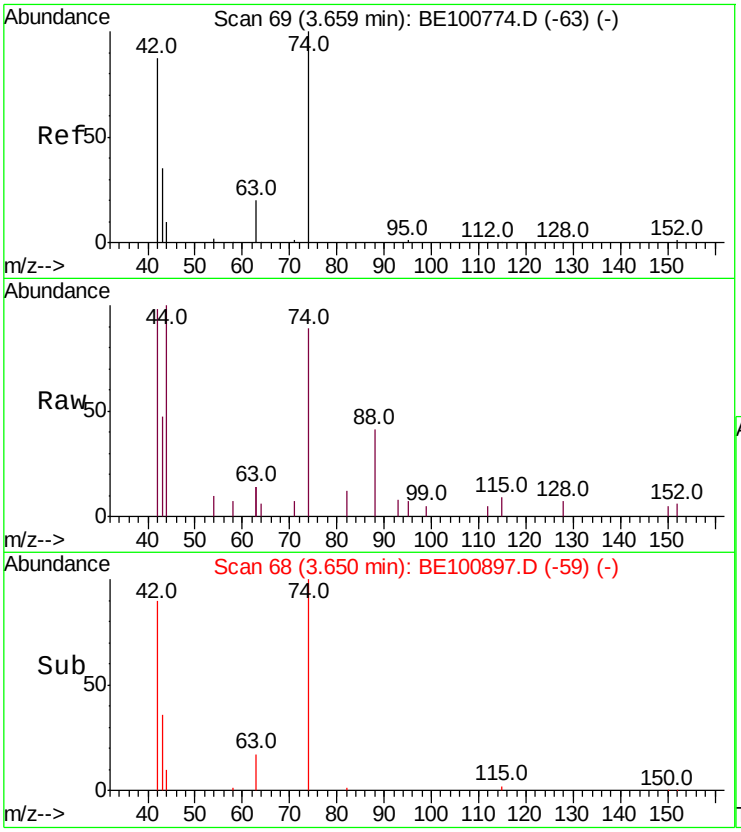


#2
1,4-Dioxane
Concen: 0.406 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion: 88 Resp: 3673

Ion	Ratio	Lower	Upper
88	100		
58	65.0	52.3	78.5
43	29.2	23.5	35.3

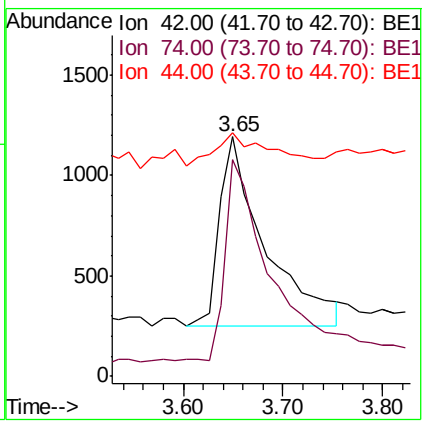




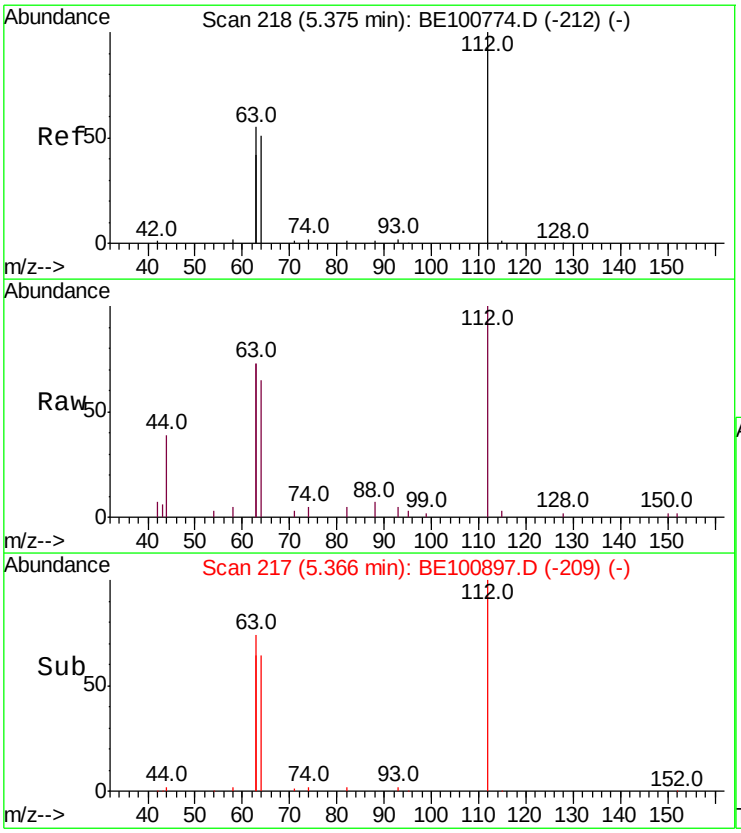
#3
n-Nitrosodimethylamine
Concen: 0.405 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion: 42 Resp: 2986

Ion	Ratio	Lower	Upper
42	100		
74	105.8	90.3	135.5
44	20.7	9.0	13.4#



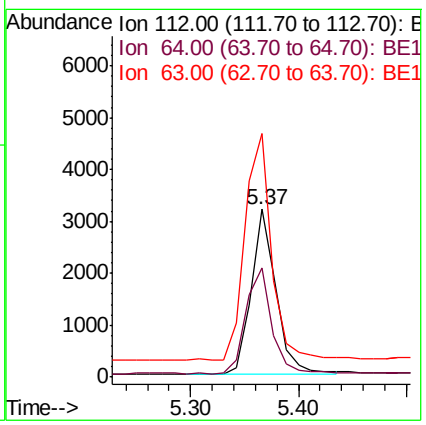
Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

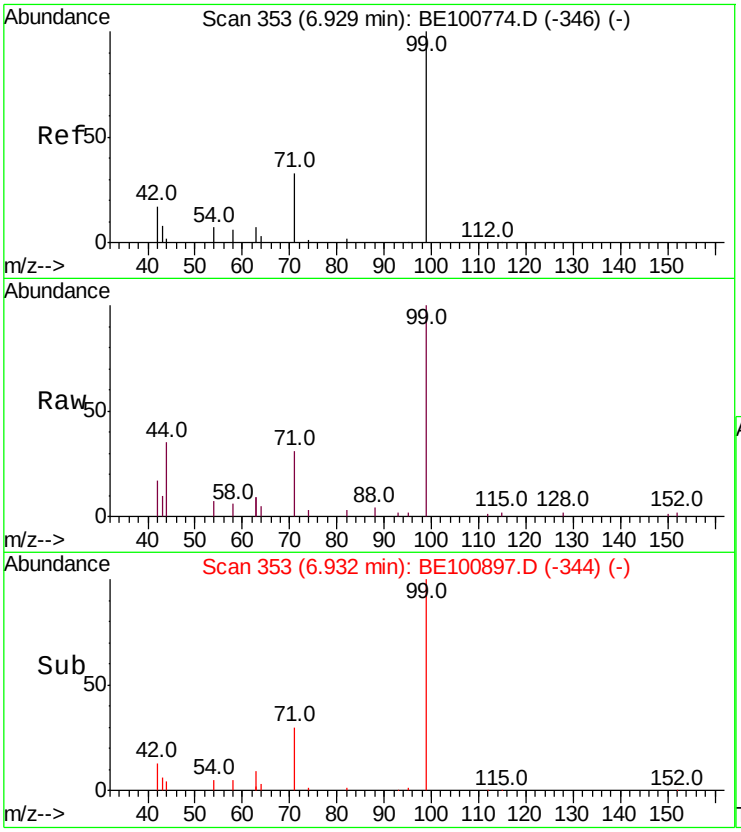


#4
2-Fluorophenol
Concen: 0.432 ng
RT: 5.37 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:112 Resp: 5089

Ion	Ratio	Lower	Upper
112	100		
64	67.5	54.5	81.7
63	147.2	116.1	174.1



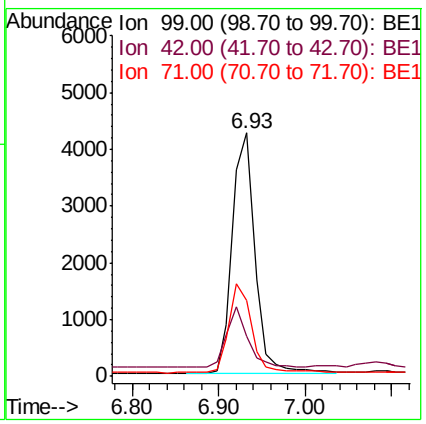


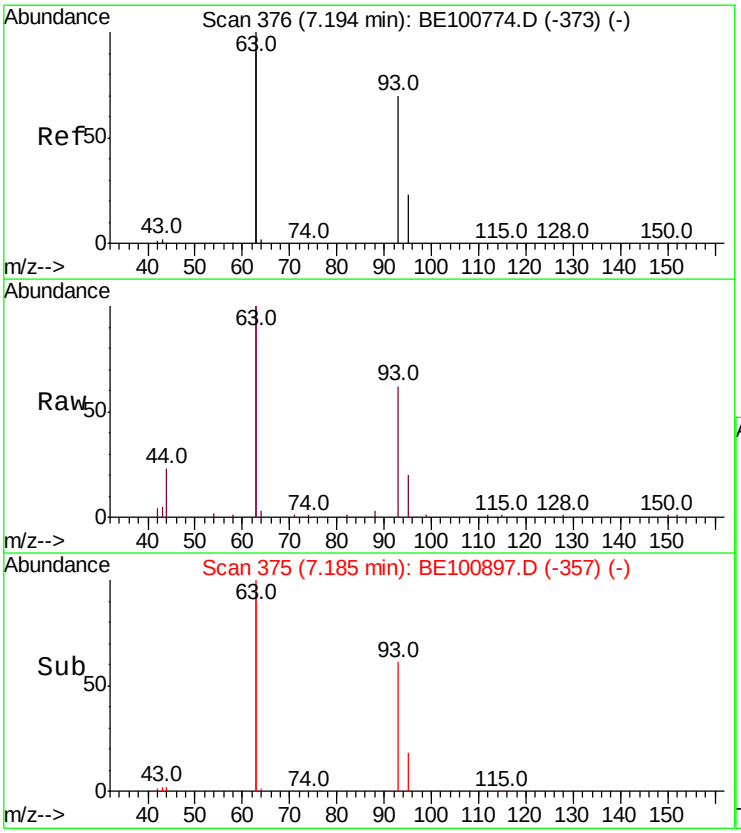
#5
Phenol-d6
Concen: 0.435 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 7739

Ion	Ratio	Lower	Upper
99	100		
42	22.8	18.2	27.2
71	36.3	29.1	43.7

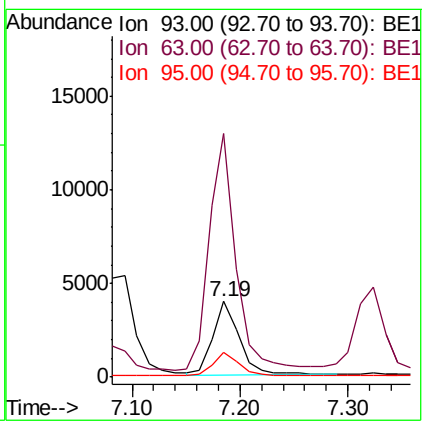


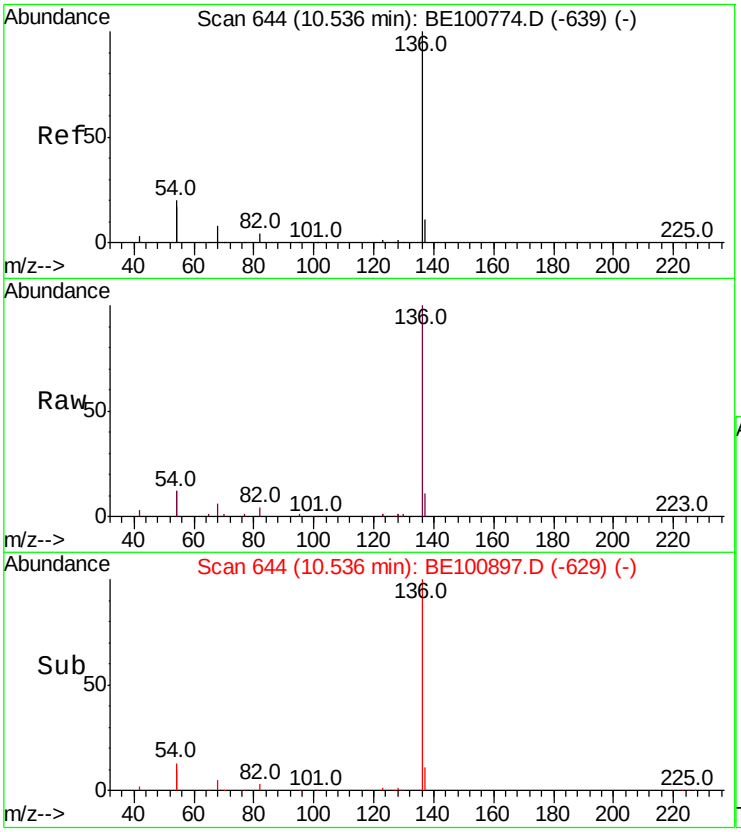


#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 7.19 min Scan# 375
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion: 93 Resp: 6704

Ion	Ratio	Lower	Upper
93	100		
63	326.2	253.9	380.9
95	32.2	25.0	37.6



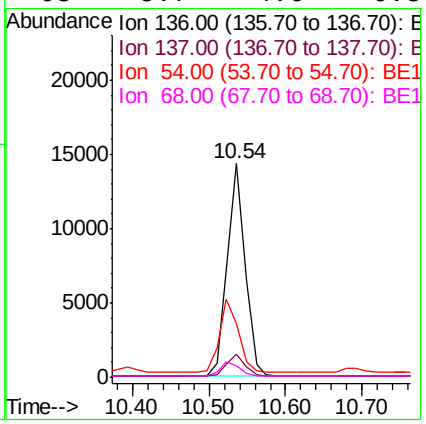


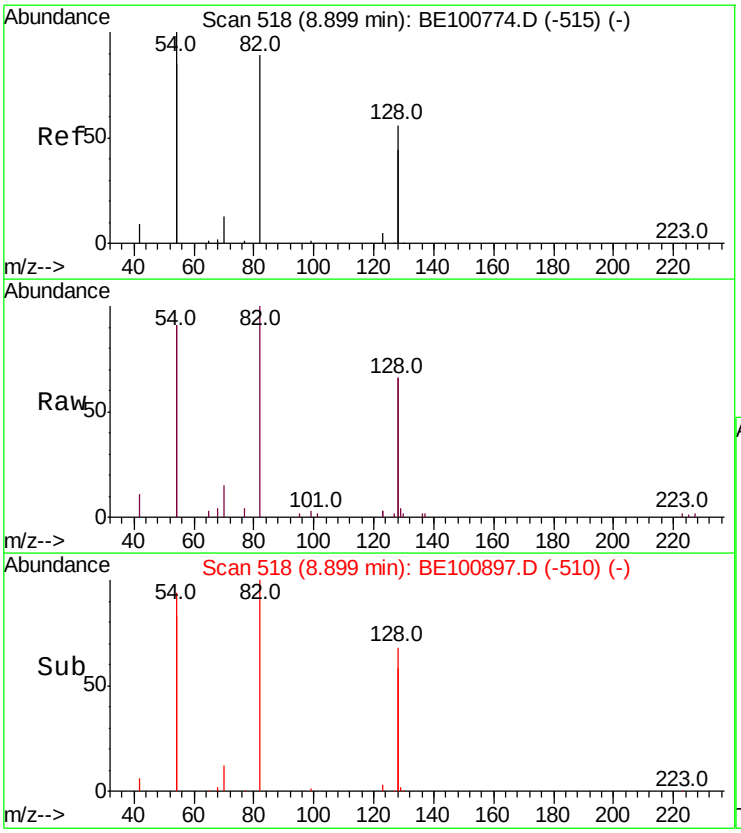
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 23210

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	24.9	18.9	28.3
68	5.7	4.6	6.8

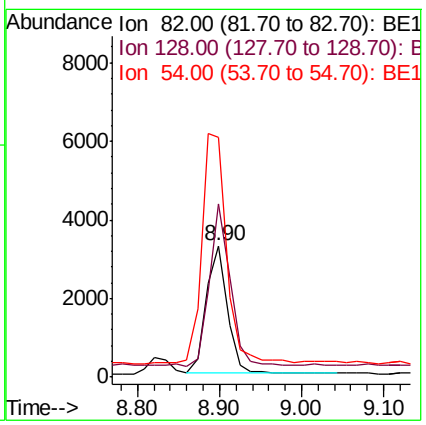


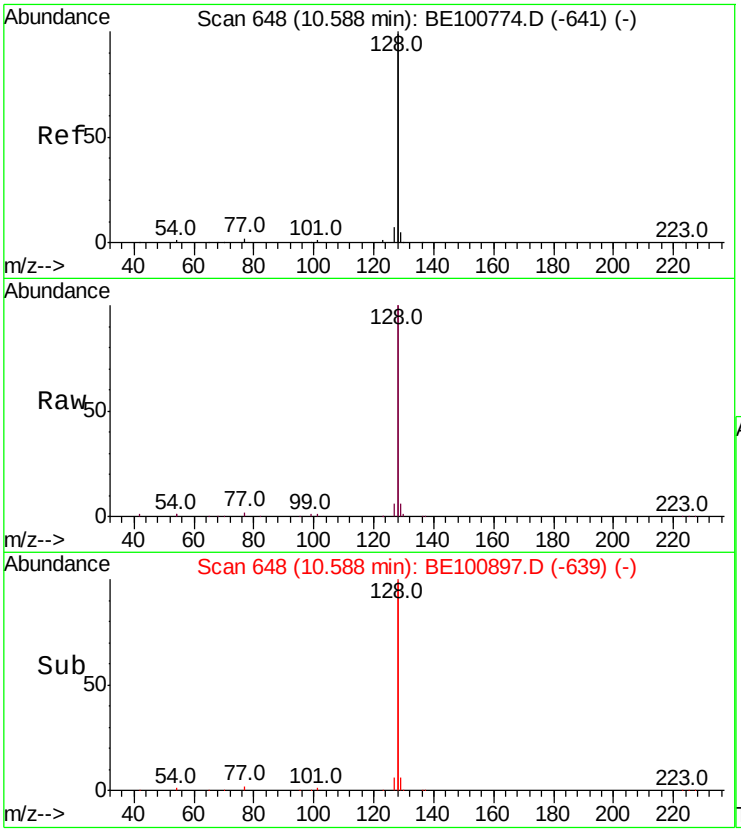


#8
Nitrobenzene-d5
Concen: 0.526 ng
RT: 8.90 min Scan# 518
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion: 82 Resp: 5817

Ion	Ratio	Lower	Upper
82	100		
128	131.6	113.5	170.3
54	182.4	138.9	208.3



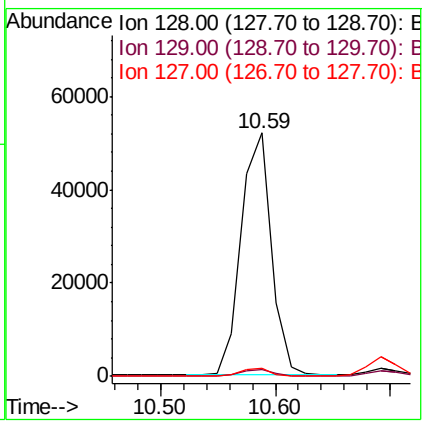


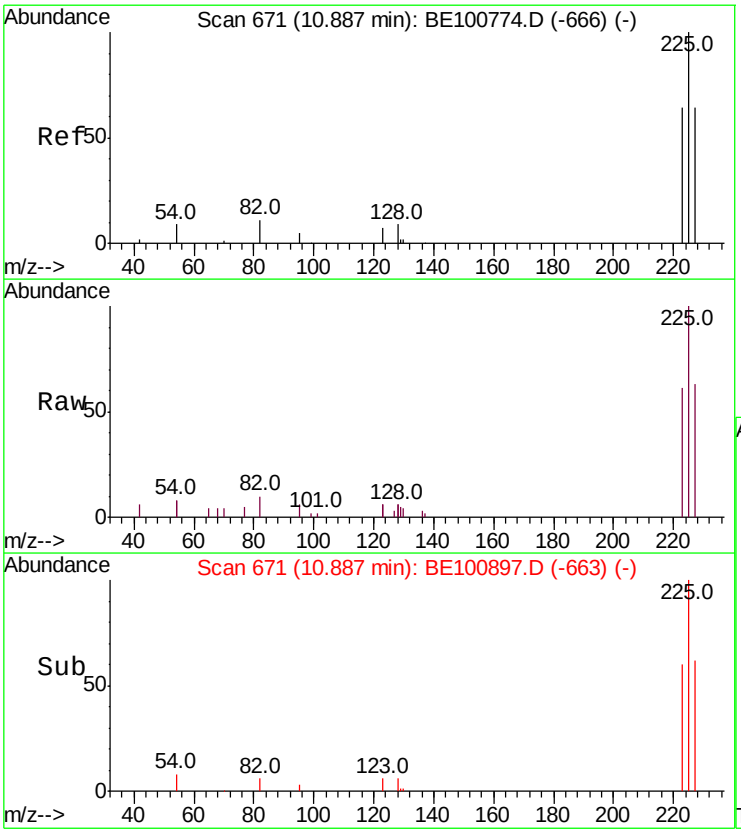
#9
Naphthalene
Concen: 0.386 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.01 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 95130

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.2	2.8	4.2

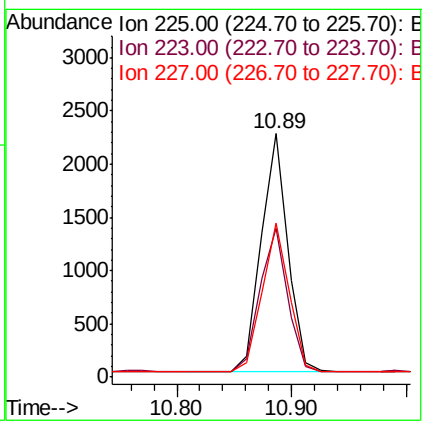


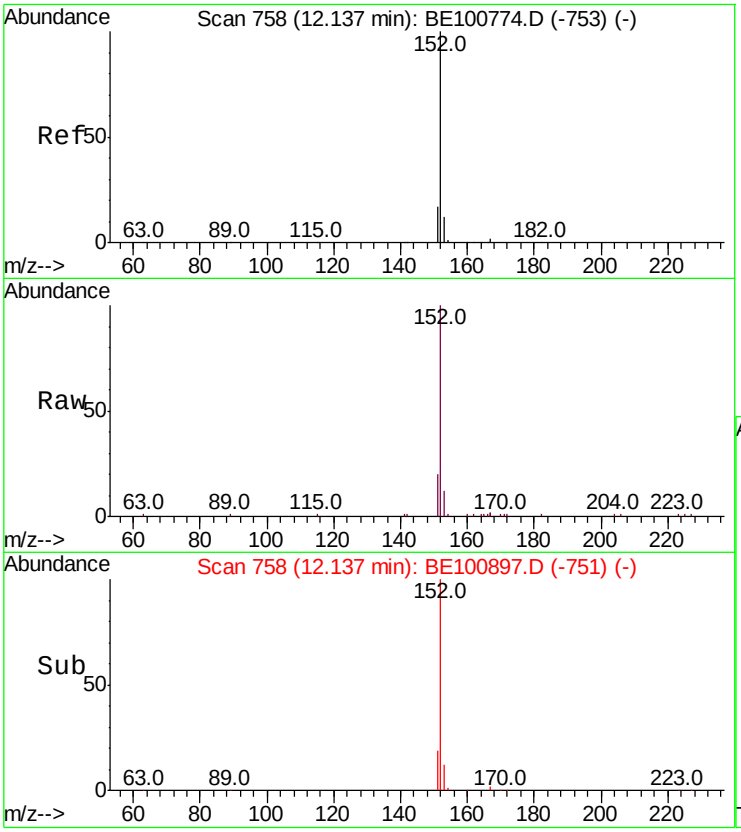


#10
Hexachlorobutadiene
Concen: 0.375 ng
RT: 10.89 min Scan# 671
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:225 Resp: 3609

Ion	Ratio	Lower	Upper
225	100		
223	62.6	52.1	78.1
227	64.3	51.1	76.7



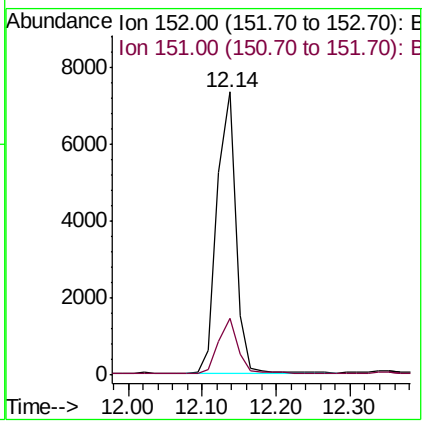


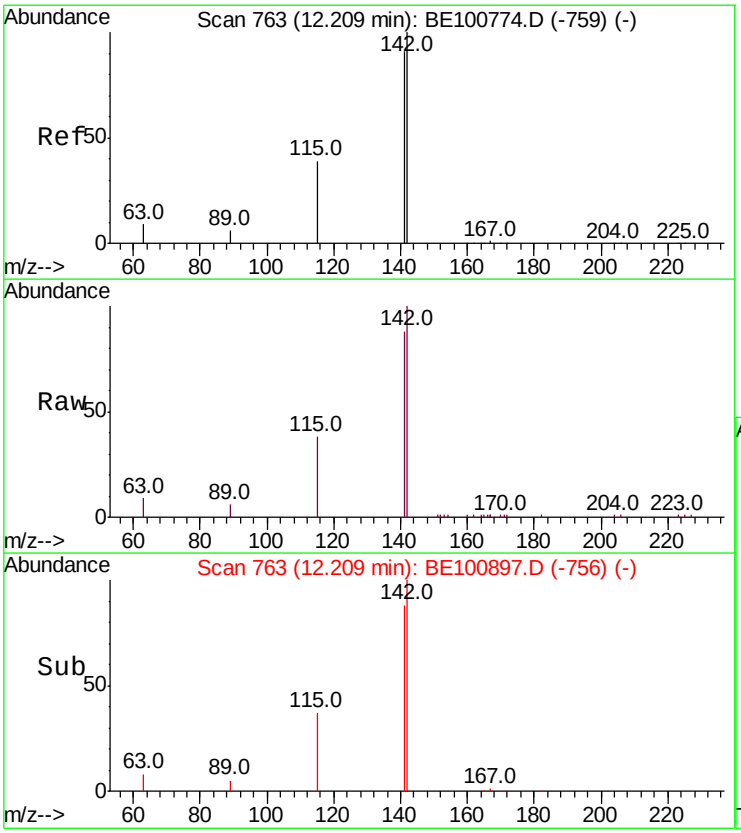
#11
2-Methylnaphthalene-d10
Concen: 0.382 ng
RT: 12.14 min Scan# 758
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 12851

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.1	22.7

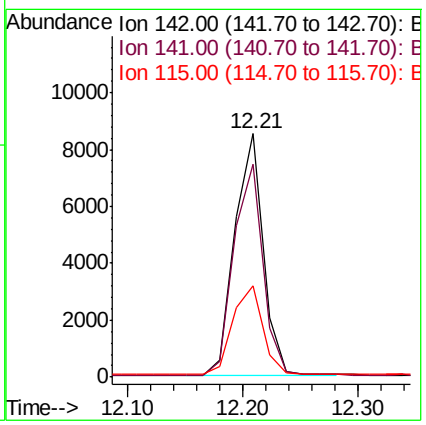


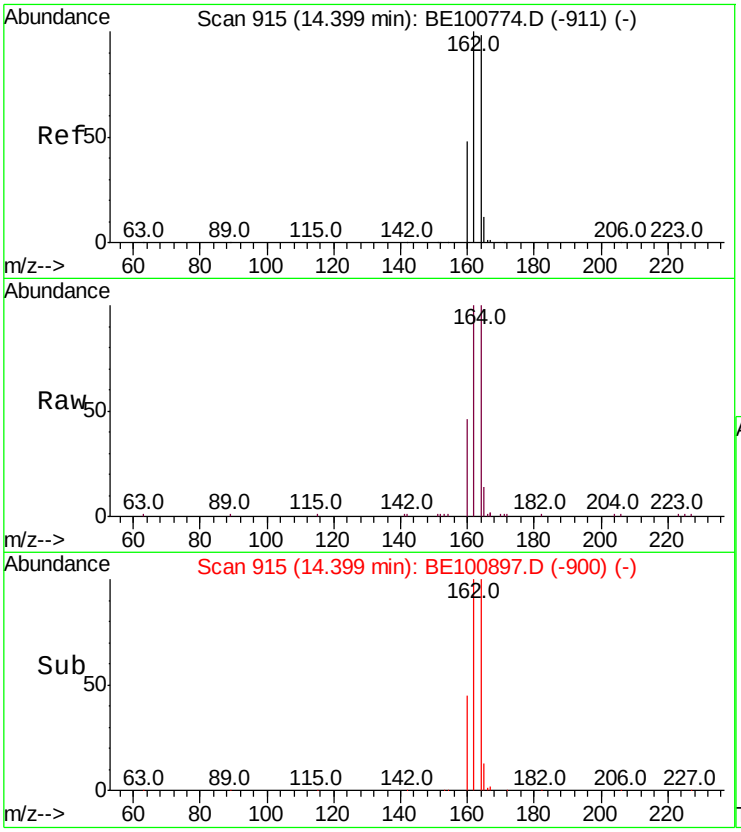


#12
2-Methylnaphthalene
Concen: 0.378 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:142 Resp: 14562

Ion	Ratio	Lower	Upper
142	100		
141	87.7	68.9	103.3
115	37.7	29.5	44.3



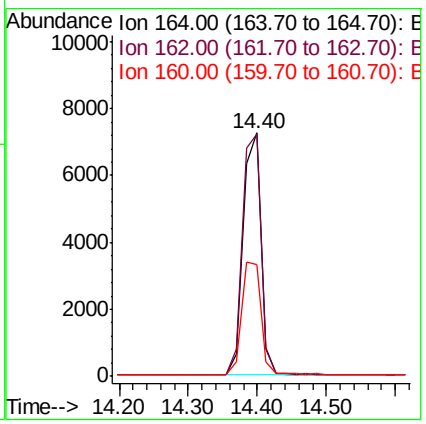


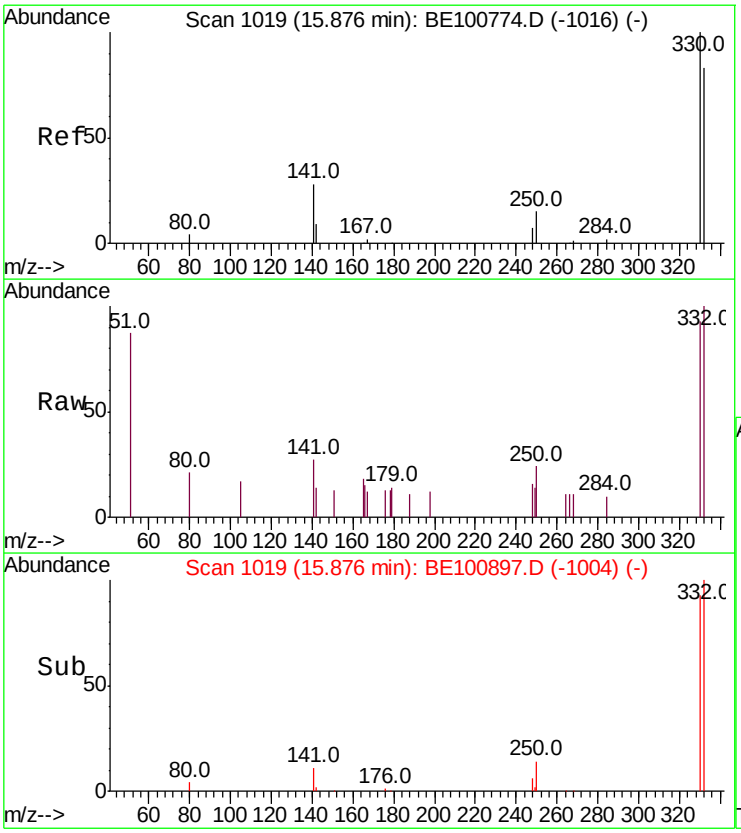
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.01 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 13023

Ion	Ratio	Lower	Upper
164	100		
162	99.5	86.0	129.0
160	45.8	42.3	63.5

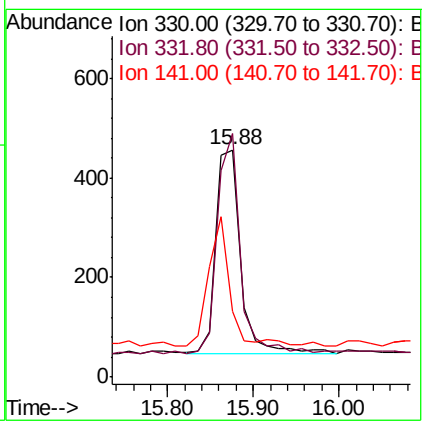


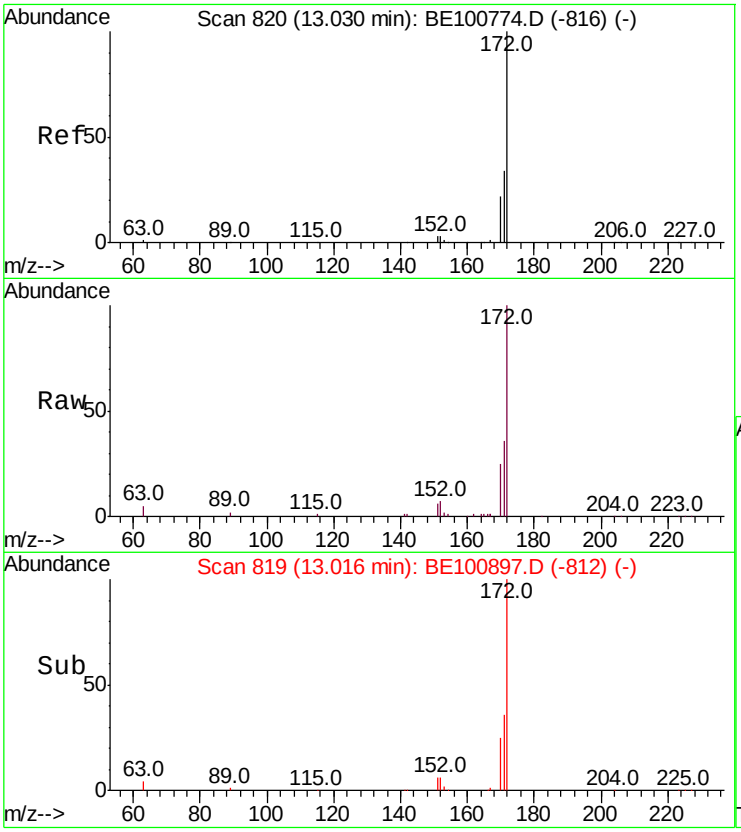


#14
2,4,6-Tribromophenol
Concen: 0.567 ng
RT: 15.88 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:330 Resp: 821

Ion	Ratio	Lower	Upper
330	100		
332	100.4	74.1	111.1
141	51.3	46.7	70.1



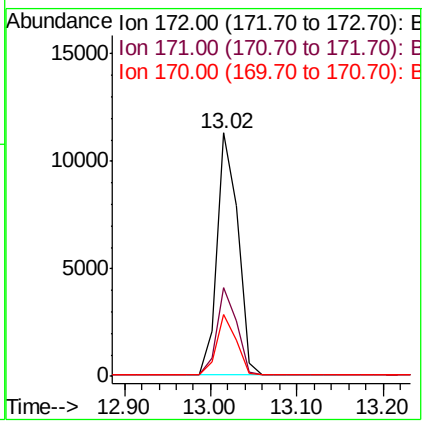


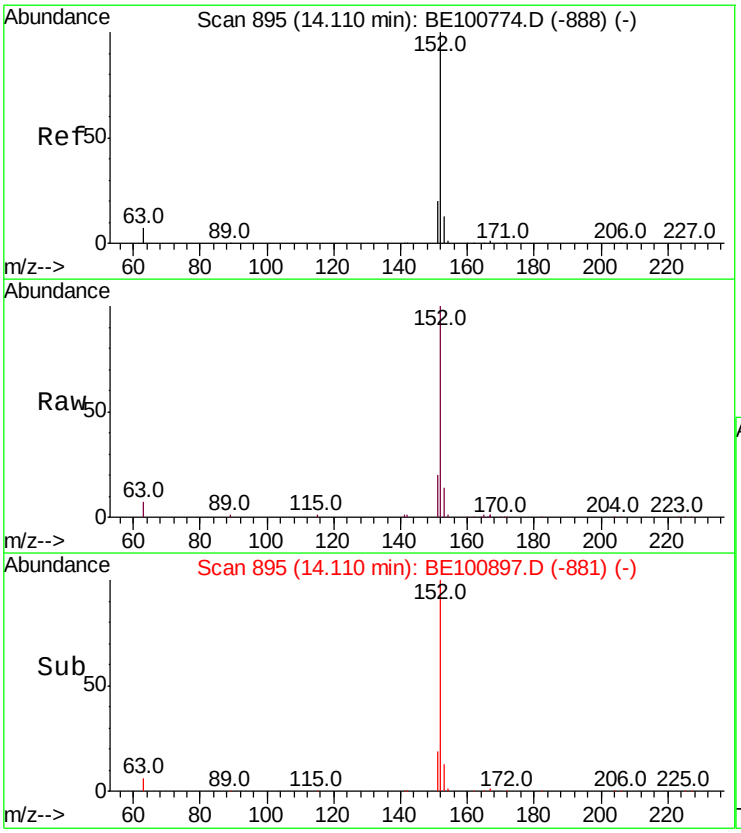
#15
2-Fluorobiphenyl
Concen: 0.368 ng
RT: 13.02 min Scan# 819
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 19026

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.2	42.4
170	25.4	19.4	29.0

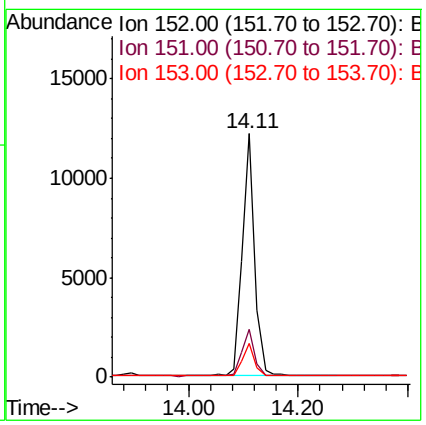


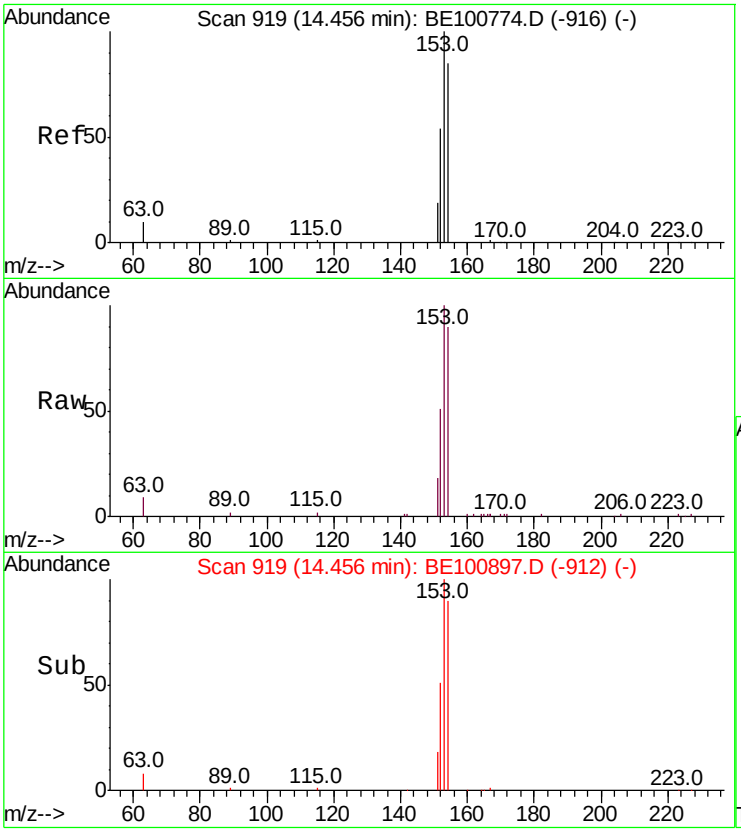


#16
Acenaphthylene
Concen: 0.360 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:152 Resp: 19368

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.9	23.9
153	13.4	10.5	15.7



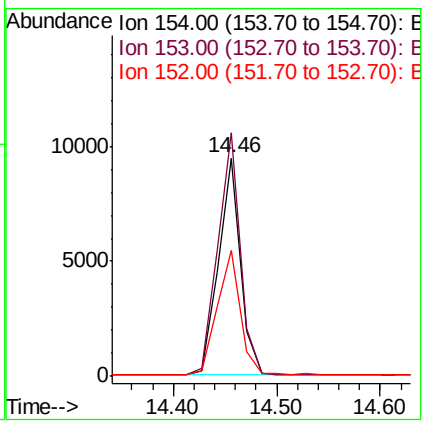


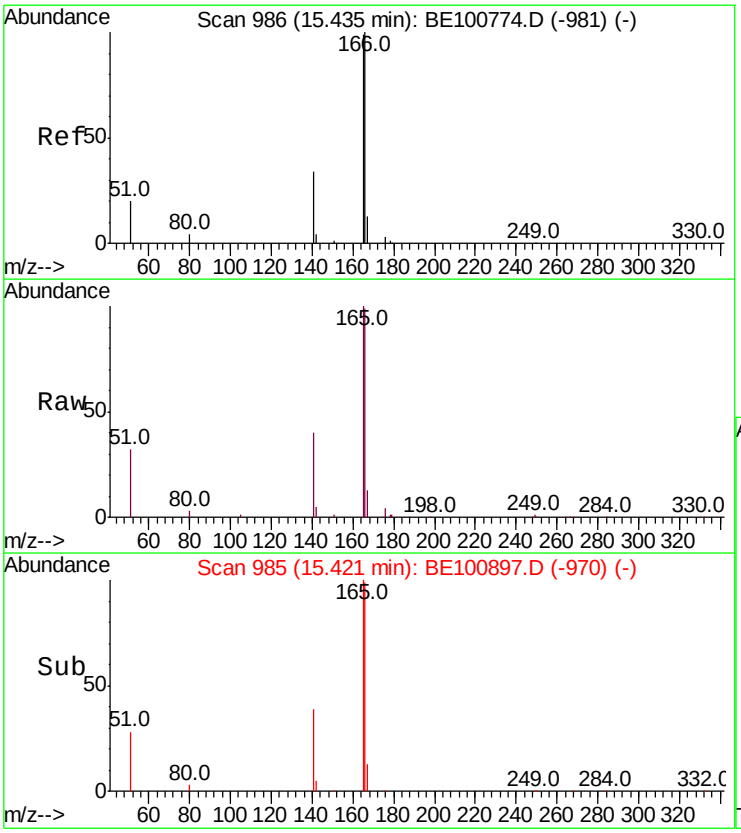
#17
Acenaphthene
Concen: 0.376 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 13949

Ion	Ratio	Lower	Upper
154	100		
153	113.9	91.5	137.3
152	60.1	47.7	71.5

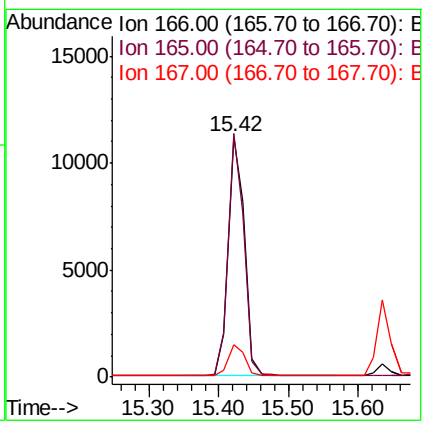


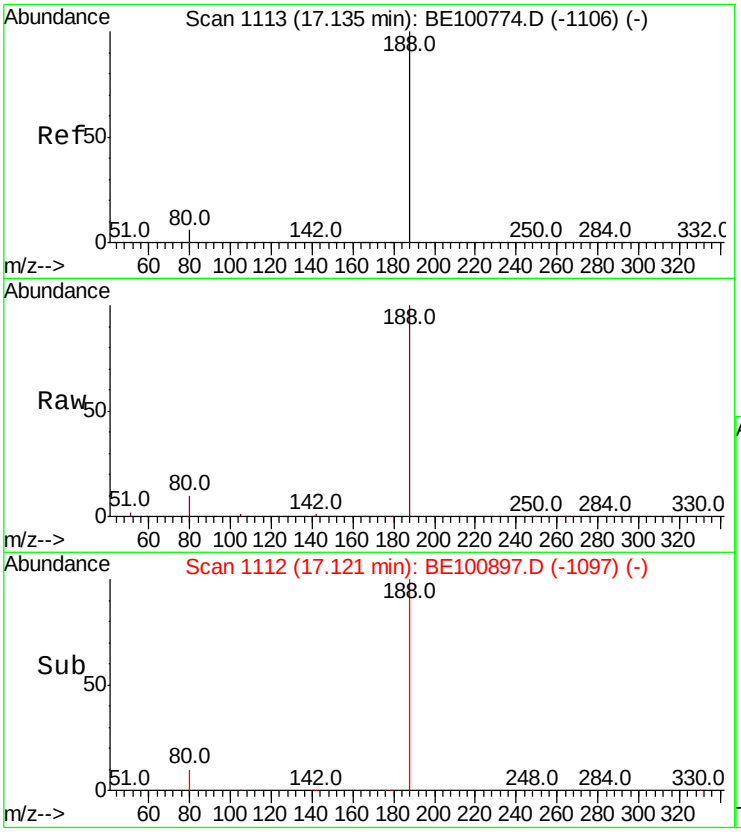


#18
Fluorene
Concen: 0.374 ng
RT: 15.42 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:166 Resp: 17930

Ion	Ratio	Lower	Upper
166	100		
165	97.9	80.2	120.4
167	13.3	10.6	16.0



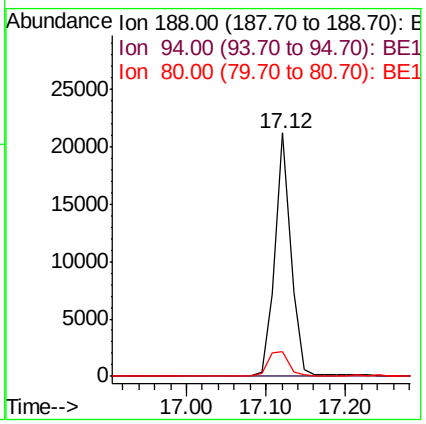


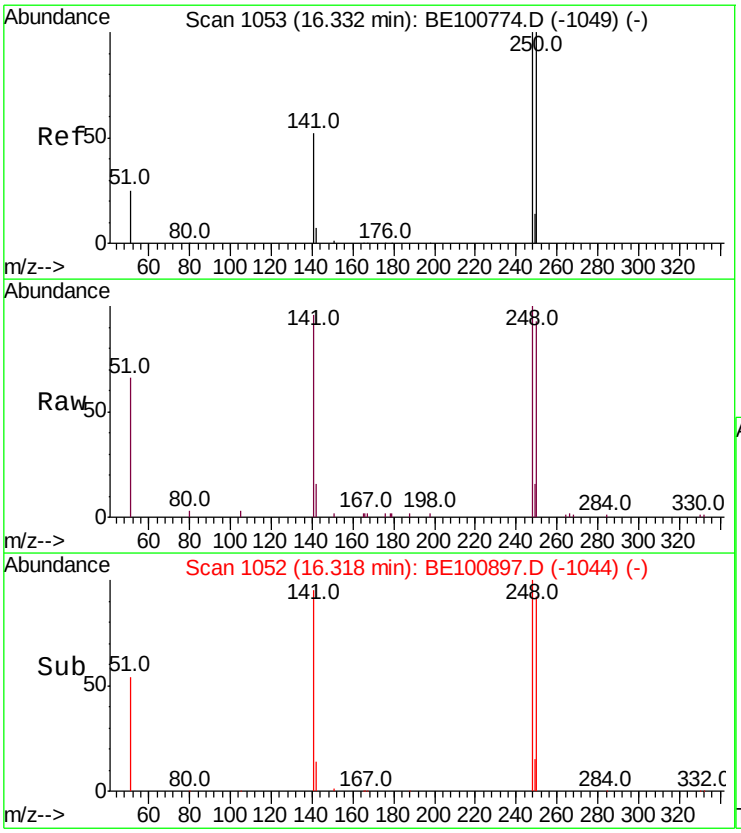
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 29406

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	7.9	11.9

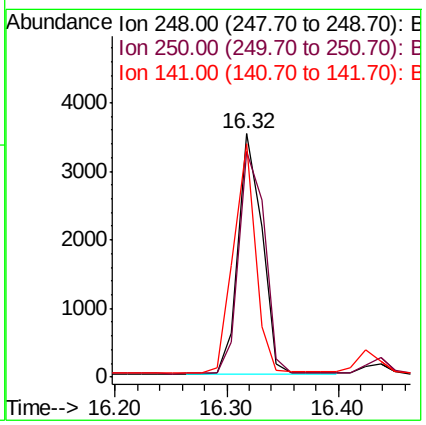


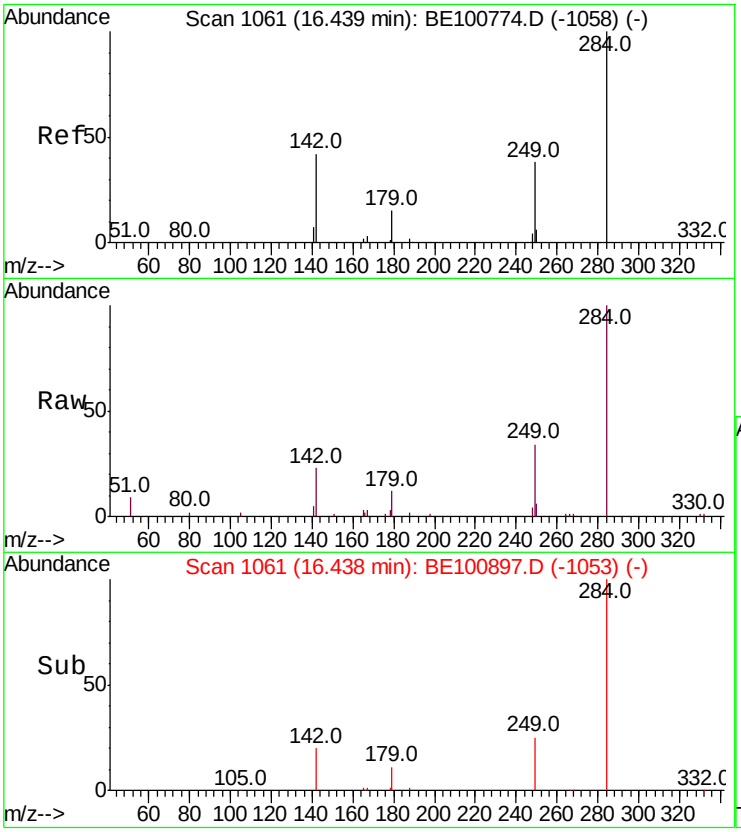


#20
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:248 Resp: 5163

Ion	Ratio	Lower	Upper
248	100		
250	92.6	72.4	108.6
141	96.0	68.2	102.2



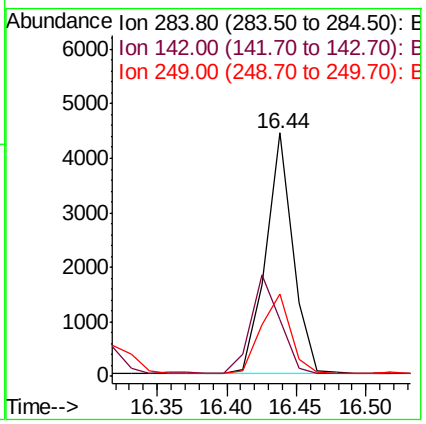


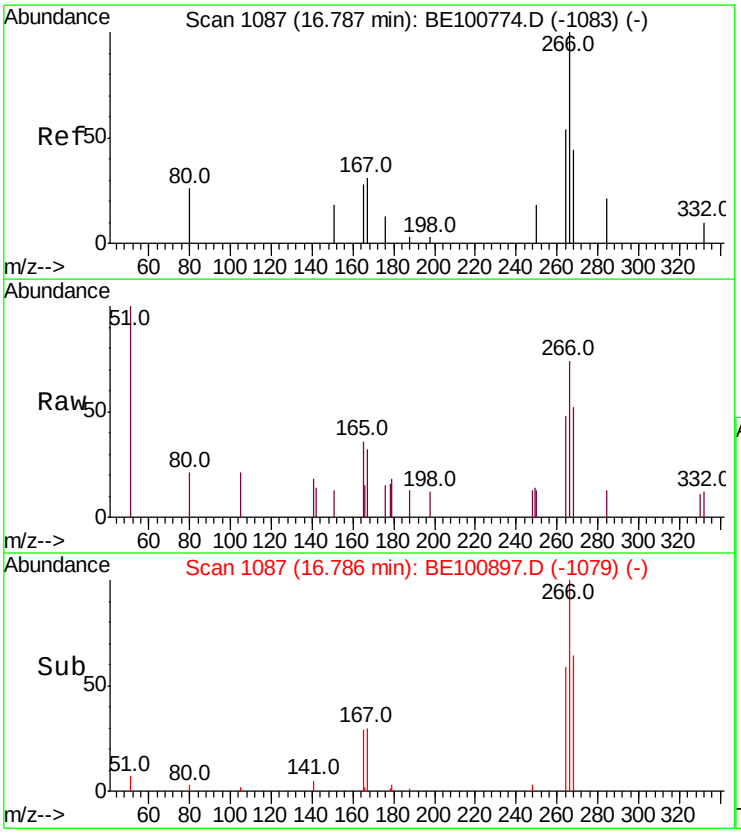
#21
Hexachlorobenzene
Concen: 0.381 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 5966

Ion	Ratio	Lower	Upper
284	100		
142	43.3	35.0	52.4
249	36.0	28.1	42.1

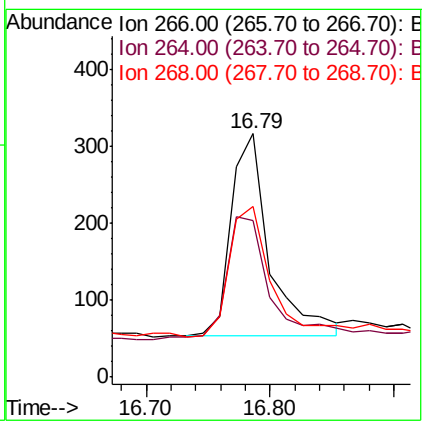


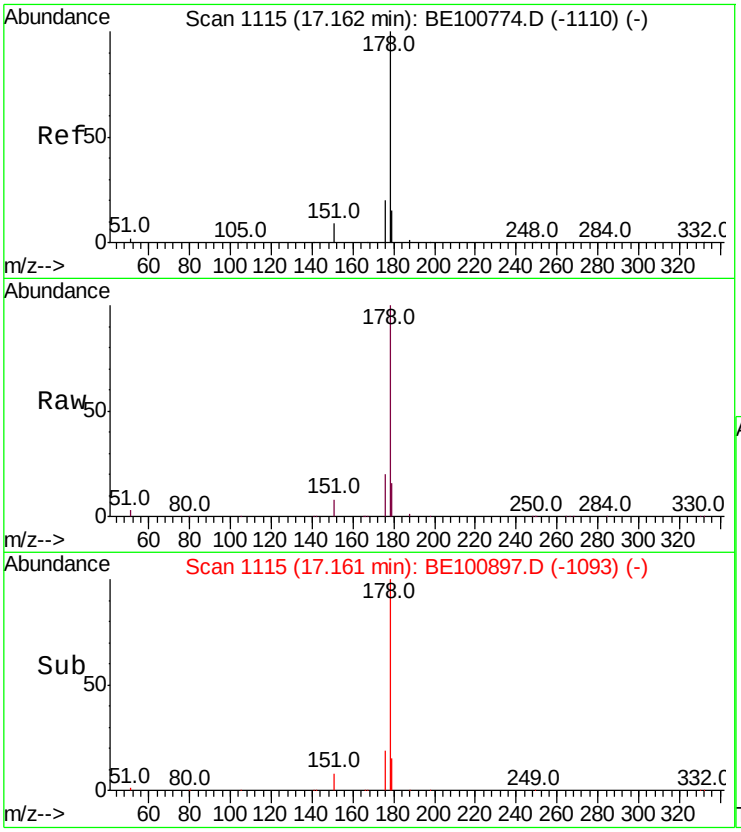


#22
Pentachlorophenol
Concen: 0.523 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:266 Resp: 567

Ion	Ratio	Lower	Upper
266	100		
264	64.4	55.1	82.7
268	70.0	50.7	76.1



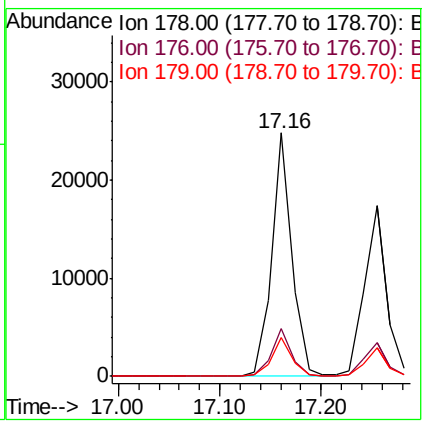


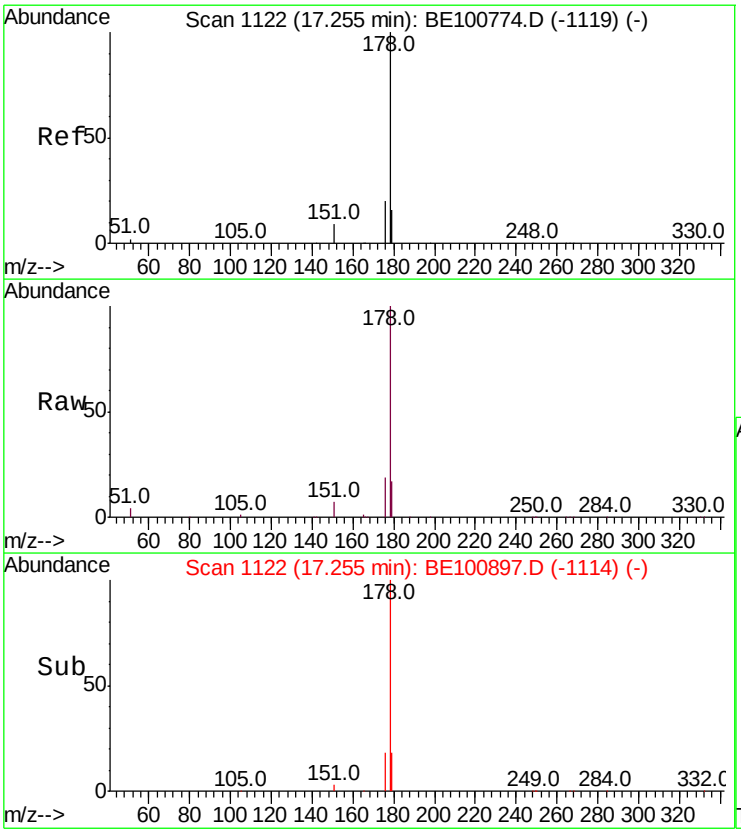
#23
Phenanthrene
Concen: 0.379 ng
RT: 17.16 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 33743

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.6	23.4
179	15.5	11.9	17.9

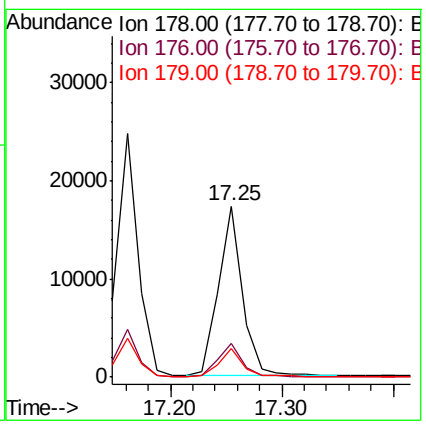


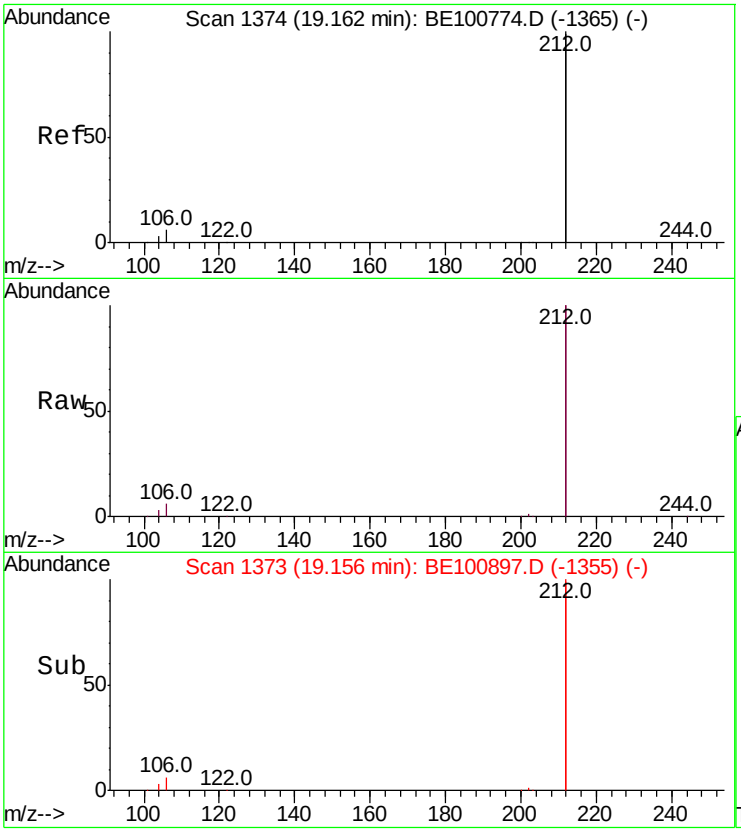


#24
Anthracene
Concen: 0.347 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:178 Resp: 25869

Ion	Ratio	Lower	Upper
178	100		
176	19.0	14.7	22.1
179	15.5	12.2	18.4



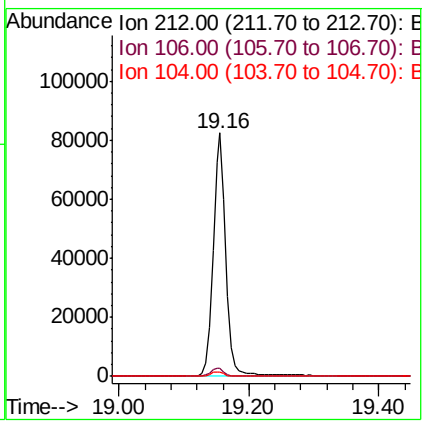


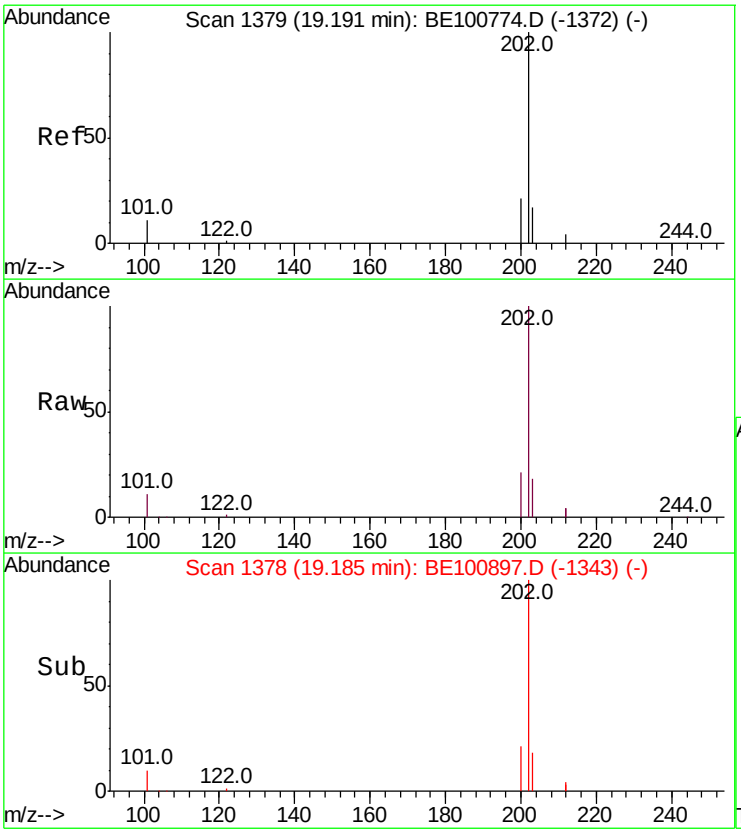
#25
Fluoranthene-d10
Concen: 0.326 ng
RT: 19.16 min Scan# 1373
Delta R.T. 0.01 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 113183

Ion	Ratio	Lower	Upper
212	100		
106	3.4	2.6	4.0
104	1.9	1.4	2.2

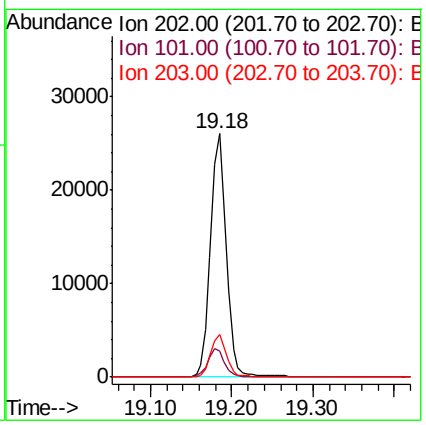


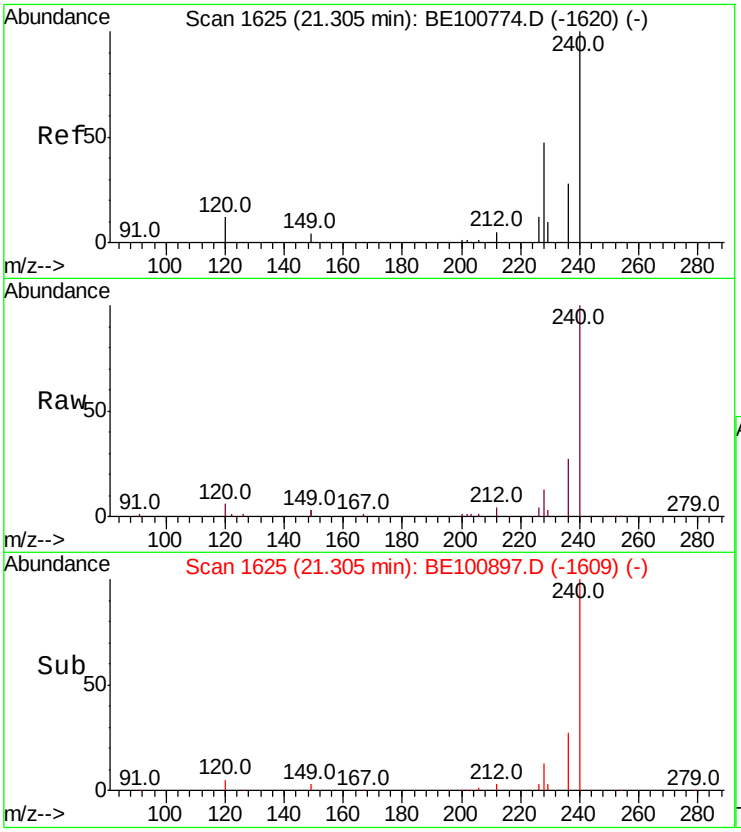


#26
Fluoranthene
Concen: 0.329 ng
RT: 19.18 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:202 Resp: 35016

Ion	Ratio	Lower	Upper
202	100		
101	12.0	9.4	14.0
203	17.2	13.7	20.5



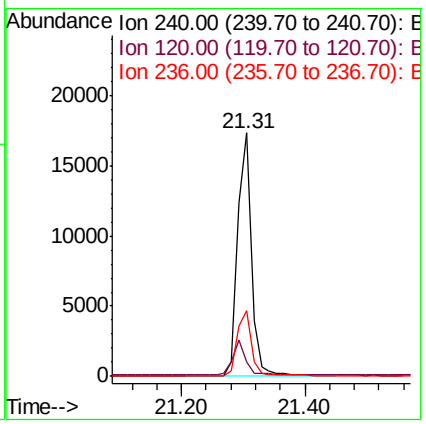


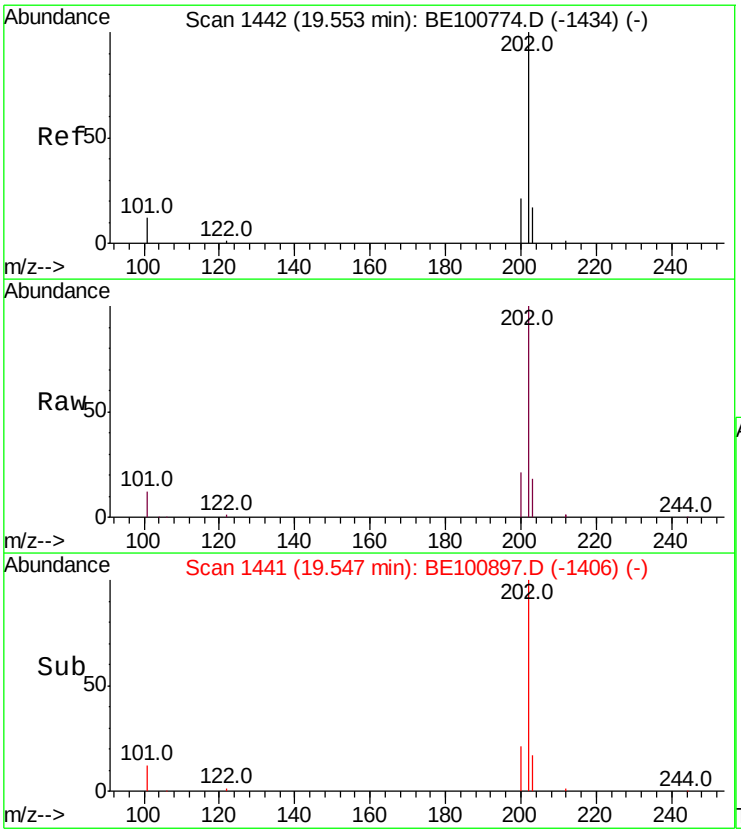
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 26194

Ion	Ratio	Lower	Upper
240	100		
120	6.0	4.0	6.0
236	27.2	21.6	32.4

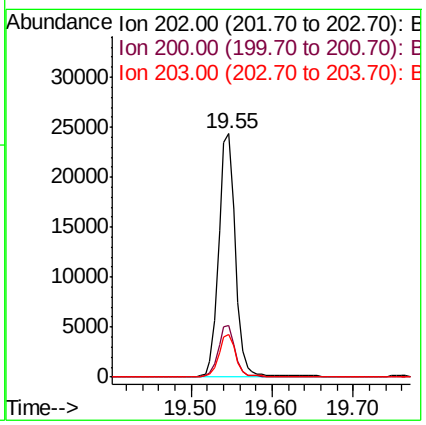


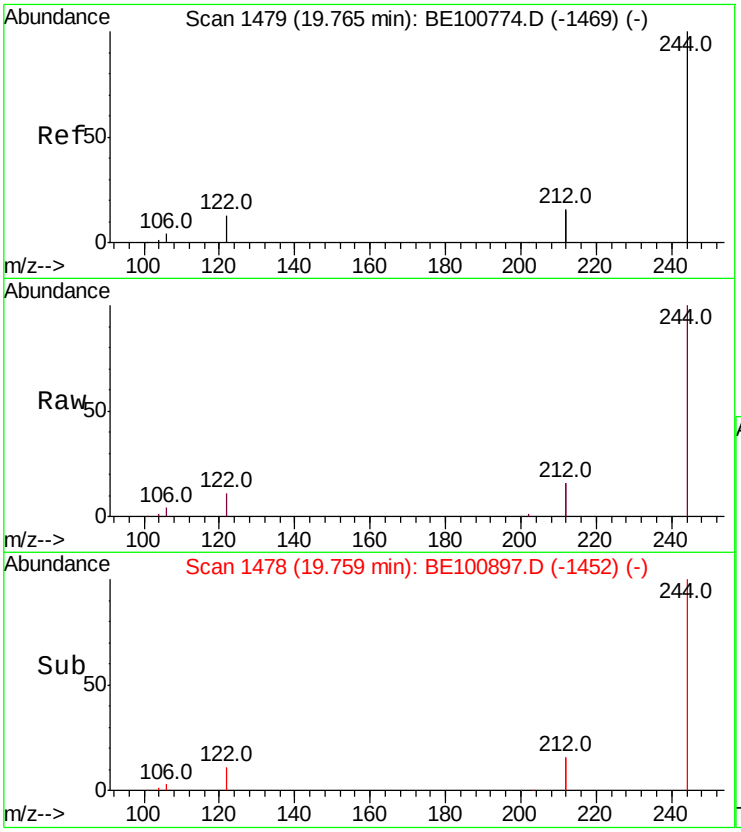


#28
Pyrene
Concen: 0.402 ng
RT: 19.55 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:202 Resp: 34220

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4
203	17.4	13.8	20.8



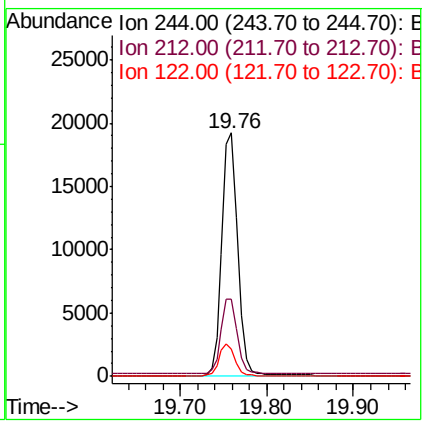


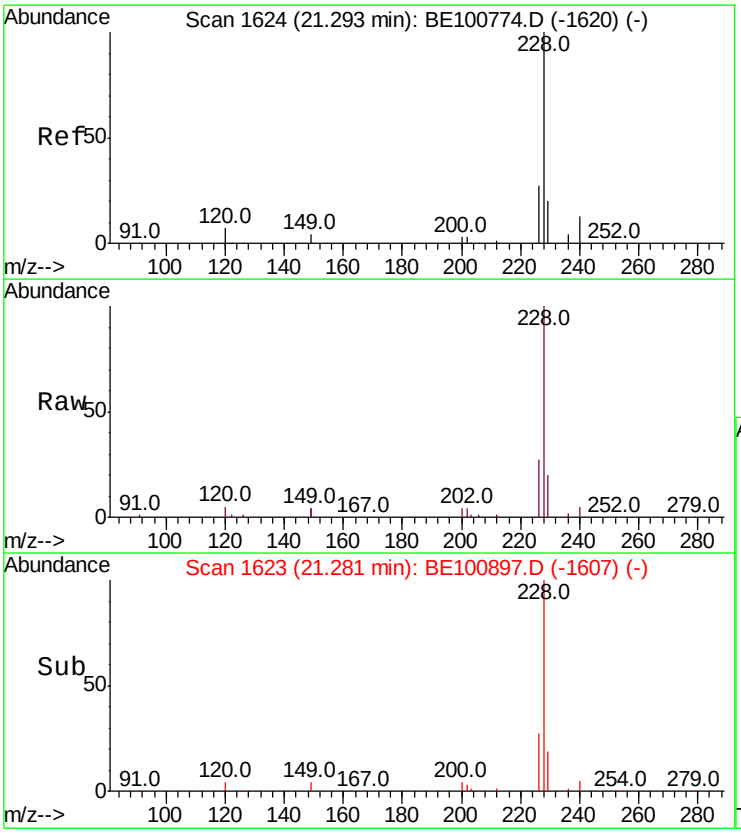
#29
Terphenyl-d14
Concen: 0.389 ng
RT: 19.76 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 24418

Ion	Ratio	Lower	Upper
244	100		
212	31.6	25.2	37.8
122	11.0	8.9	13.3

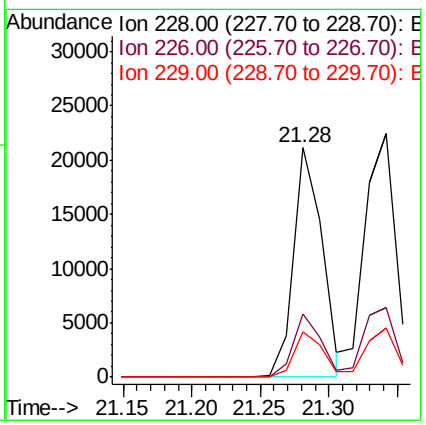


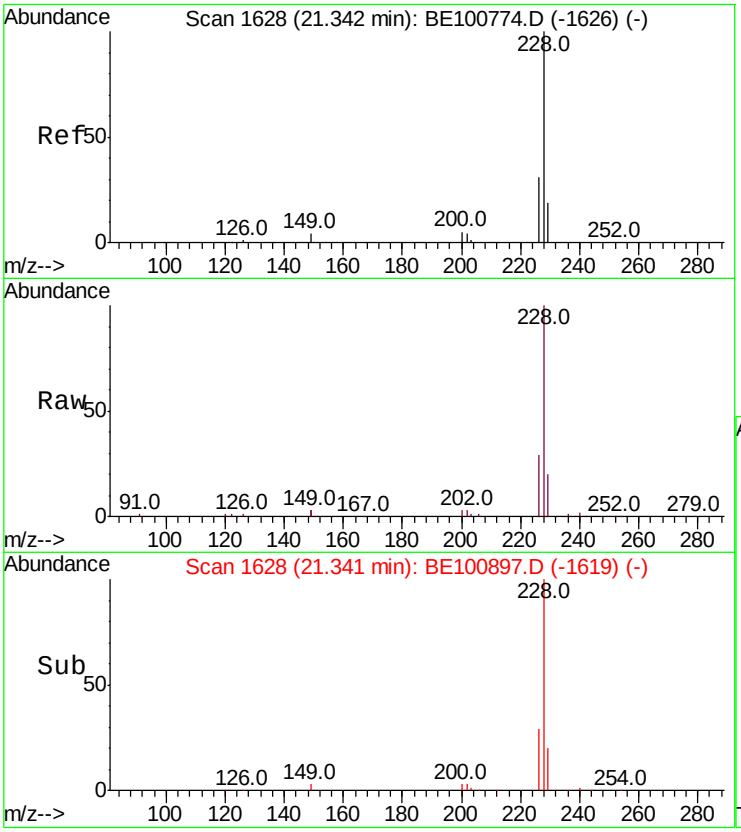


#30
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:228 Resp: 30284

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.4	32.0
229	19.5	15.8	23.6



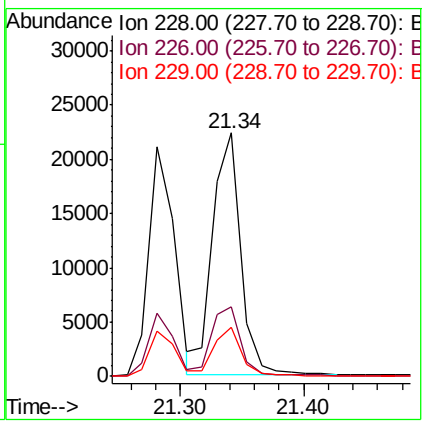


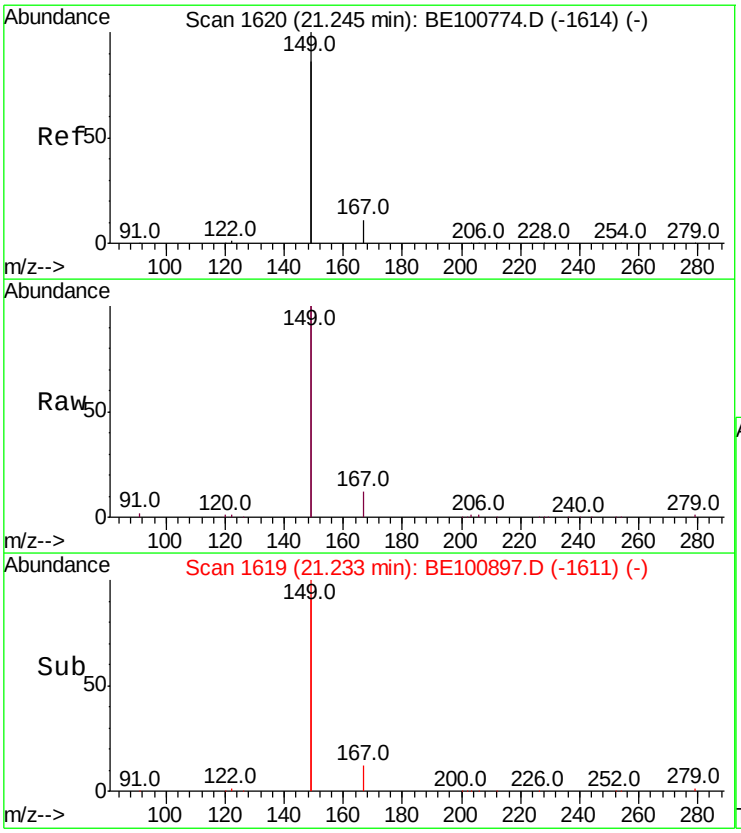
#31
Chrysene
Concen: 0.389 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.01 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 35280

Ion	Ratio	Lower	Upper
228	100		
226	28.8	25.3	37.9
229	20.2	15.2	22.8

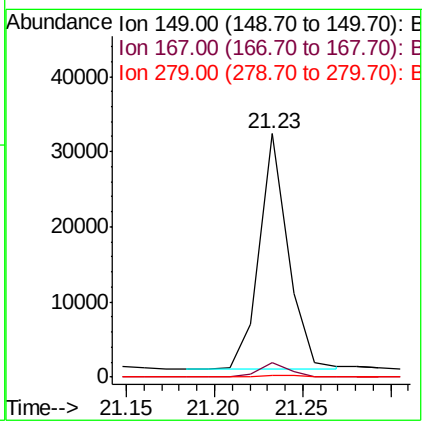


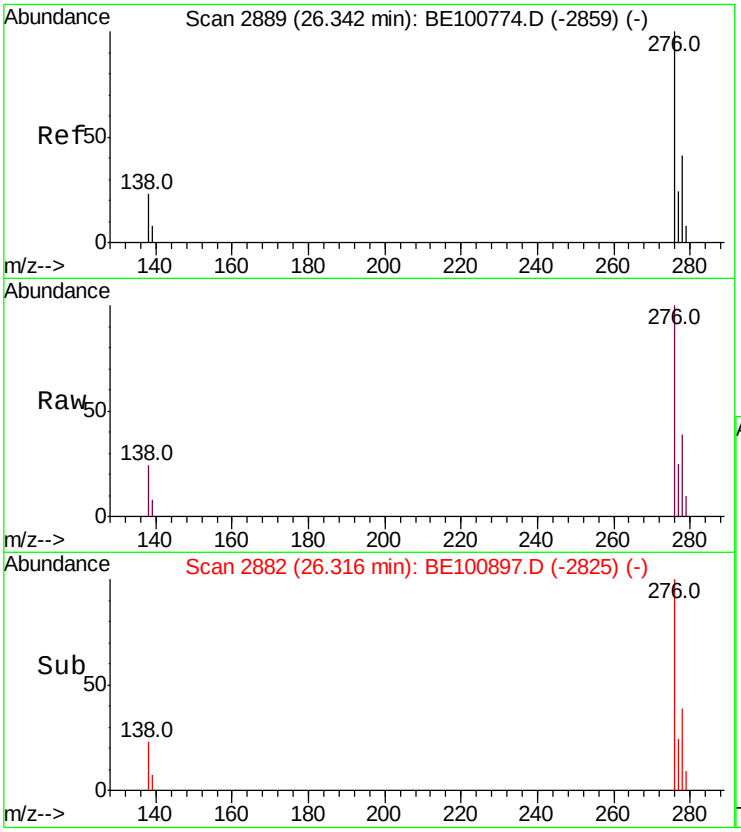


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.636 ng
RT: 21.23 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:149 Resp: 34954

Ion	Ratio	Lower	Upper
149	100		
167	6.3	5.0	7.4
279	0.8	0.6	1.0



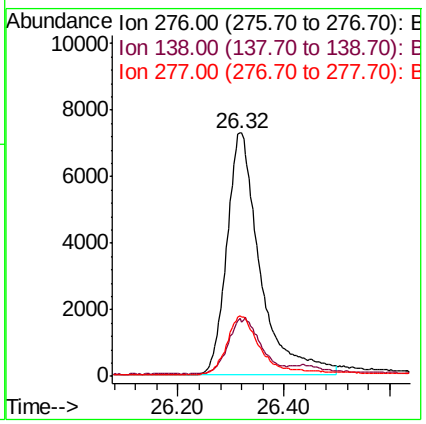


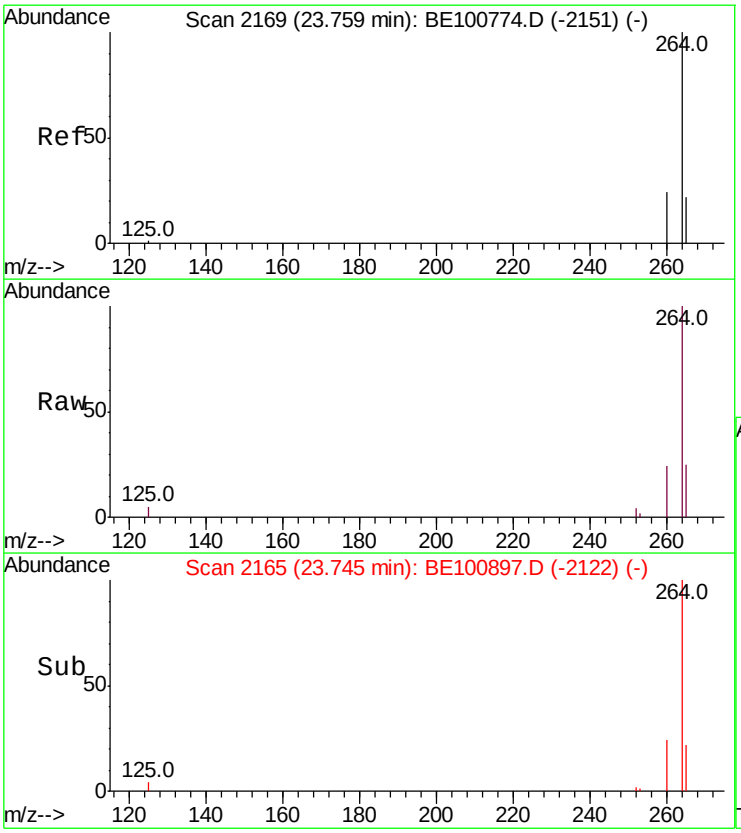
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.402 ng
RT: 26.32 min Scan# 2882
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 31796

Ion	Ratio	Lower	Upper
276	100		
138	9.7	18.4	27.6#
277	23.4	19.4	29.2

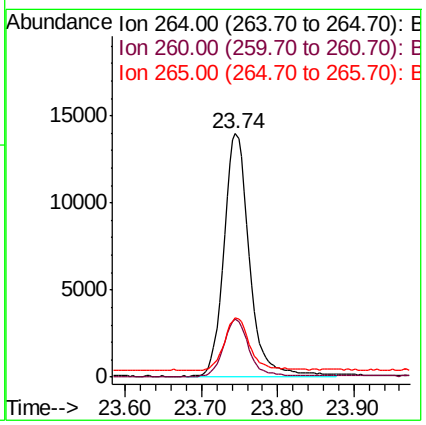


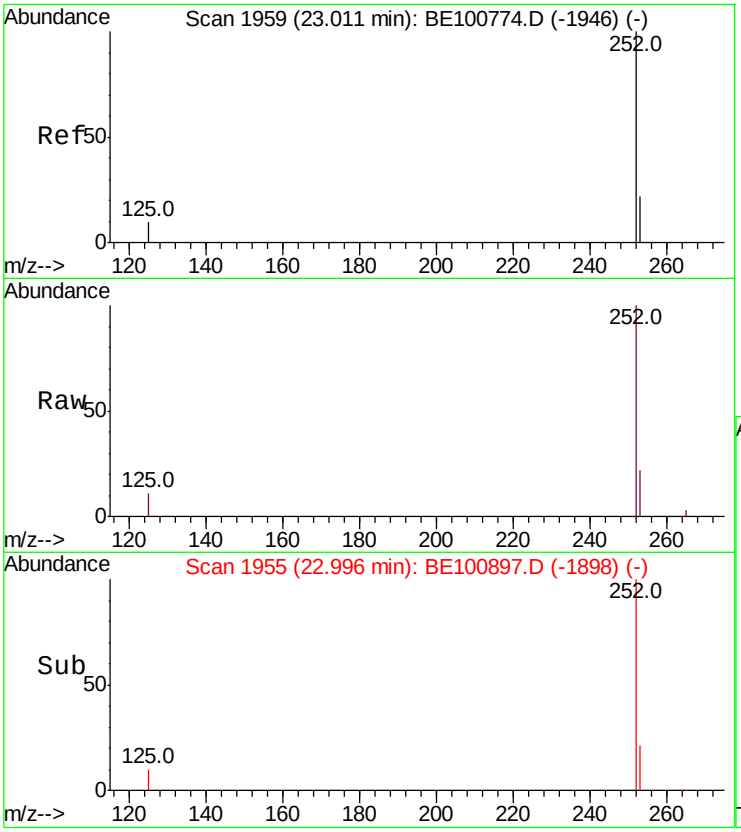


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:264 Resp: 32156

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.4	29.0
265	24.6	20.1	30.1



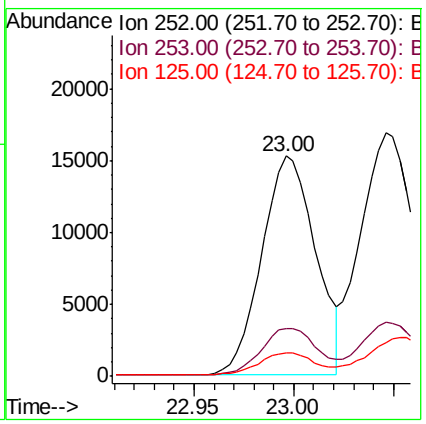


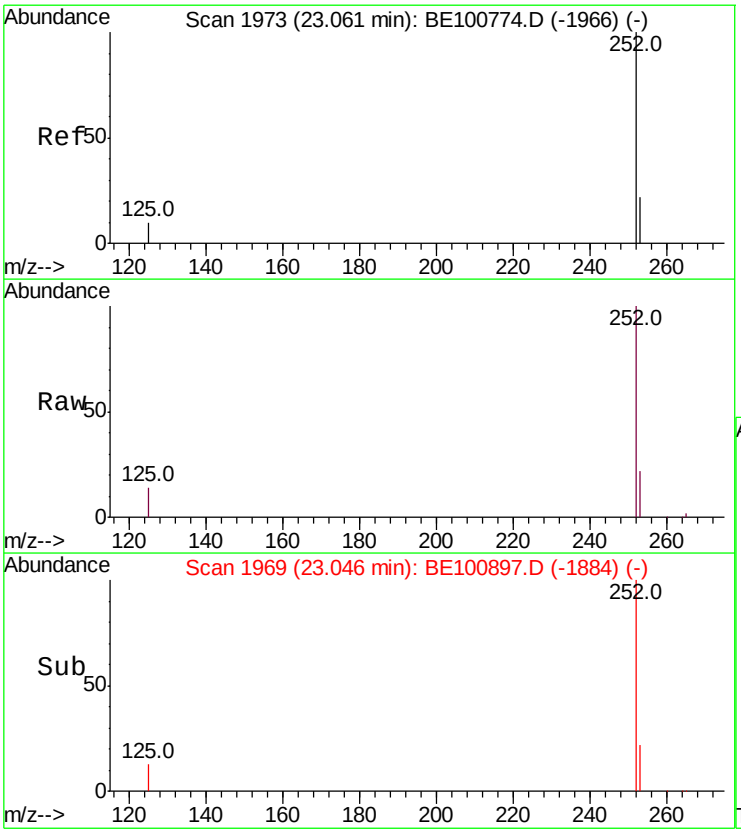
#35
Benzo(b)fluoranthene
Concen: 0.326 ng
RT: 23.00 min Scan# 1955
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 28687

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	10.5	8.3	12.5

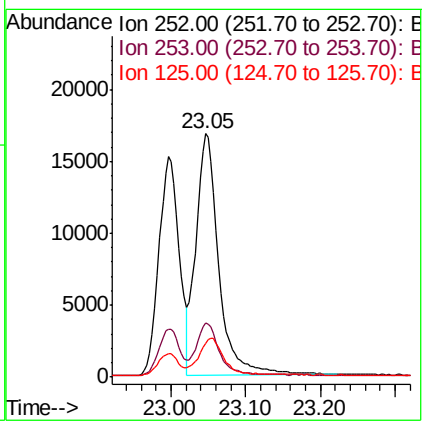


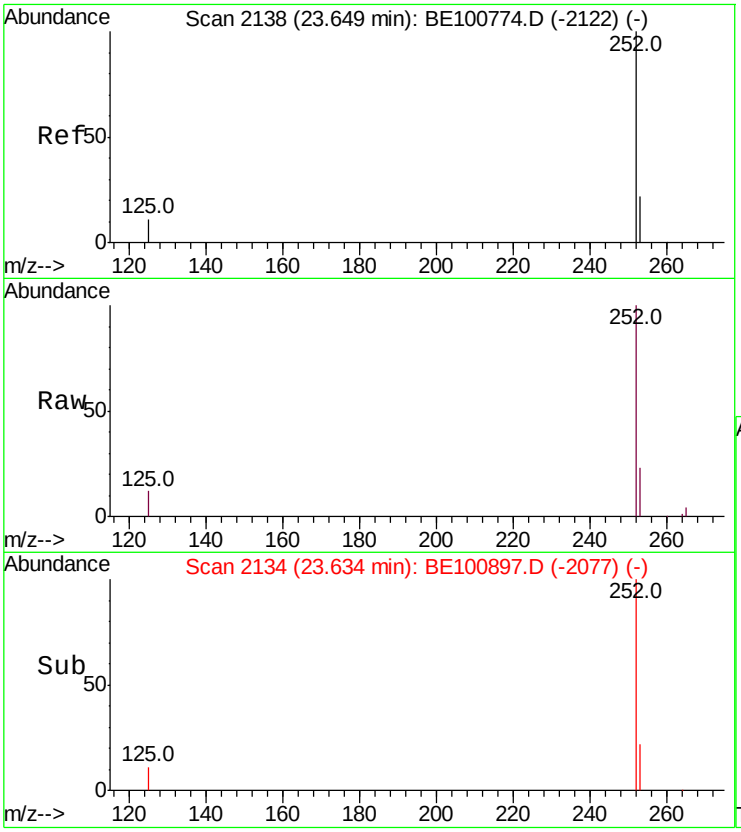


#36
Benzo(k)fluoranthene
Concen: 0.364 ng
RT: 23.05 min Scan# 1969
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:252 Resp: 35974

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	13.7	9.4	14.0



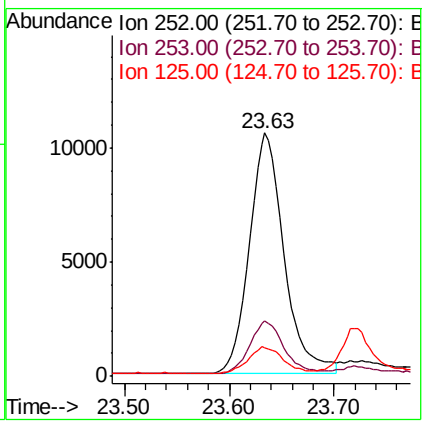


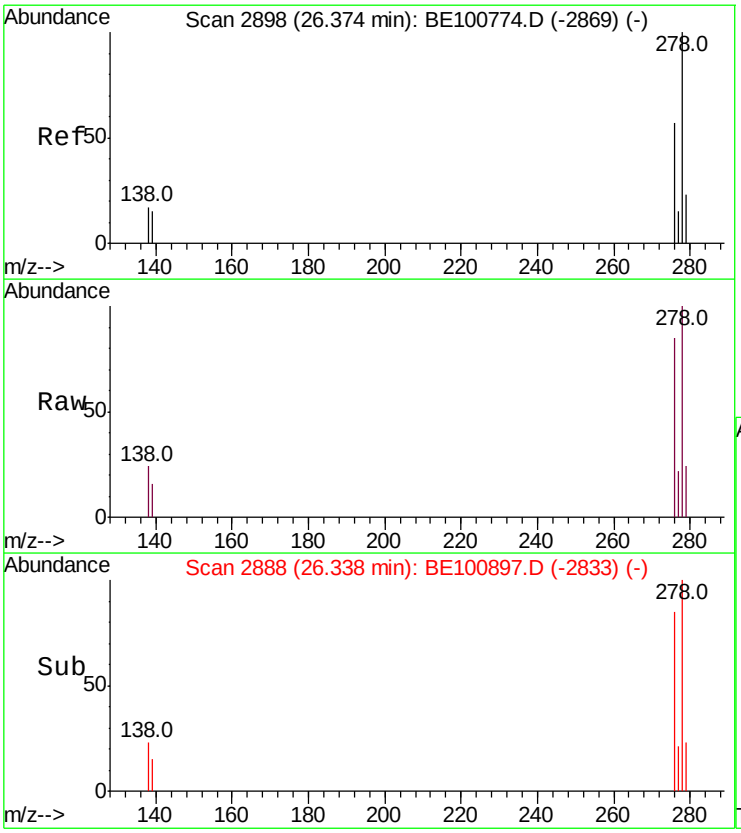
#37
Benzo(a)pyrene
Concen: 0.320 ng
RT: 23.63 min Scan# 2134
Delta R.T. 0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 24415

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	11.8	9.9	14.9

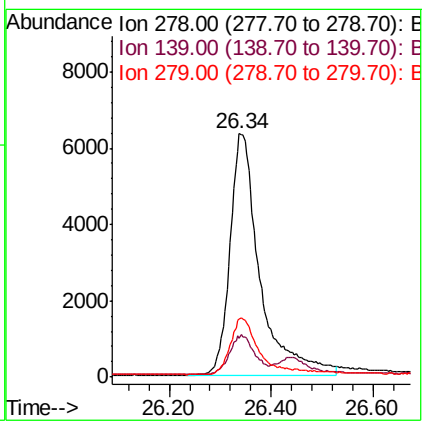


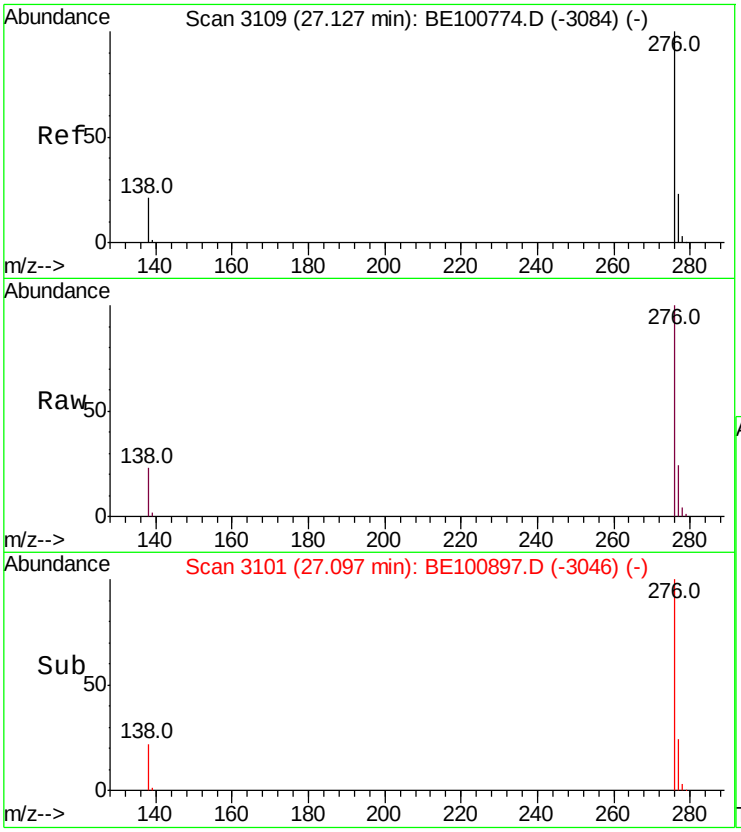


#38
Dibenzo(a,h)anthracene
Concen: 0.340 ng
RT: 26.34 min Scan# 2888
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Tgt Ion:278 Resp: 25791

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.8	20.6
279	23.9	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.345 ng
RT: 27.10 min Scan# 3101
Delta R.T. -0.00 min
Lab File: BE100897.D
Acq: 13 Dec 2019 22:13

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 27995

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.7	29.5
138	23.0	18.0	27.0