Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
Data File : BE100878.D
Acq On : 13 Dec 2019 9:35
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Dec 13 10:49:01 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	5018	0.40	ng	0.00
7) Naphthalene-d8	10.54	136	22684	0.40	ng	0.00
13) Acenaphthene-d10	14.38	164	12330	0.40	ng	0.00
19) Phenanthrene-d10	17.12	188	27376	0.40	ng	0.00
27) Chrysene-d12	21.31	240	24031	0.40	ng	0.00
34) Perylene-d12	23.74	264	27750	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.37	112	5680	0.48	ng	0.00
5) Phenol-d6	6.93	99	8459	0.47	ng	0.00
8) Nitrobenzene-d5	8.90	82	6127	0.57	ng	0.00
11) 2-Methylnaphthalene-d10	12.14	152	14868	0.45	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	842	0.61	ng	0.00
15) 2-Fluorobiphenyl	13.02	172	21159	0.43	ng	0.00
25) Fluoranthene-d10	19.15	212	124790	0.39	ng	0.00
29) Terphenyl-d14	19.76	244	26468	0.46	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	4364	0.477	ng	100
3) n-Nitrosodimethylamine	3.65	42	3430	0.461	ng	98
6) bis(2-Chloroethyl)ether	7.18	93	8003	0.461	ng	100
9) Naphthalene	10.58	128	111241	0.461	ng	100
10) Hexachlorobutadiene	10.89	225	4221	0.449	ng	100
12) 2-Methylnaphthalene	12.21	142	17549	0.466	ng	100
16) Acenaphthylene	14.11	152	22707	0.445	ng	100
17) Acenaphthene	14.46	154	16356	0.465	ng	99
18) Fluorene	15.42	166	20663	0.456	ng	100
20) 4-Bromophenyl-phenylether	16.32	248	6044	0.450	ng	100
21) Hexachlorobenzene	16.44	284	7015	0.481	ng	100
22) Pentachlorophenol	16.79	266	617	0.611	ng	100
23) Phenanthrene	17.16	178	38125	0.460	ng	100
24) Anthracene	17.25	178	29415	0.424	ng	100
26) Fluoranthene	19.18	202	40019	0.404	ng	100
28) Pyrene	19.55	202	38858	0.498	ng	100
30) Benzo(a)anthracene	21.28	228	32042	0.452	ng	100
31) Chrysene	21.33	228	40675	0.489	ng	100
32) Bis(2-ethylhexyl)phthalate	21.23	149	27931	0.559	ng	100
33) Indeno(1,2,3-cd)pyrene	26.31	276	34122	0.471	ng	99
35) Benzo(b)fluoranthene	22.99	252	32143	0.423	ng	100
36) Benzo(k)fluoranthene	23.04	252	38788	0.455	ng	100
37) Benzo(a)pyrene	23.63	252	26990	0.410	ng	100
38) Dibenzo(a,h)anthracene	26.34	278	27634	0.422	ng	100
39) Benzo(g,h,i)perylene	27.10	276	30411	0.435	ng	100

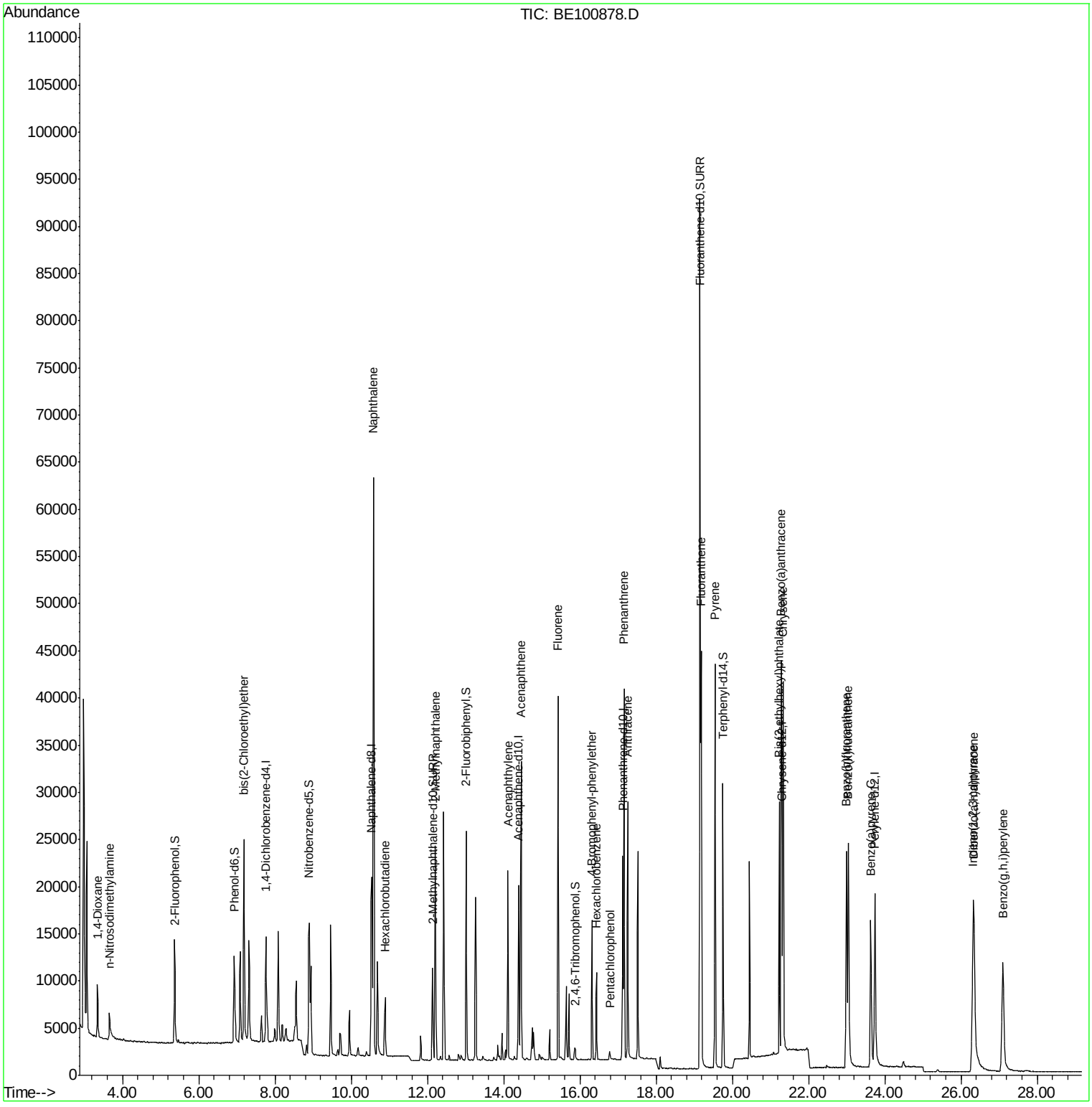
(#) = qualifier out of range (m) = manual integration (+) = signals summed

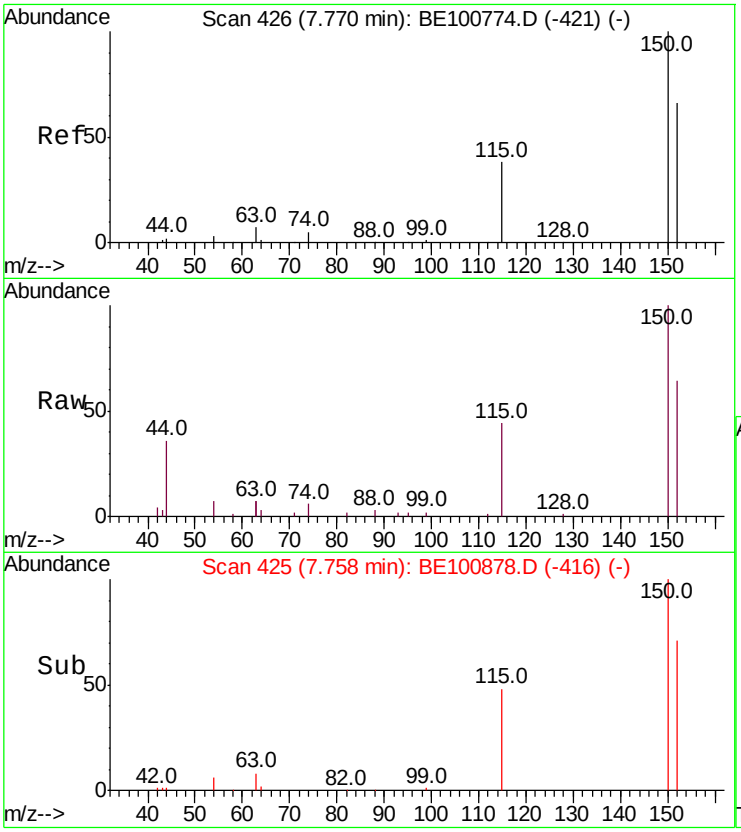
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE121319\
Data File : BE100878.D
Acq On : 13 Dec 2019 9:35
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Dec 13 10:49:01 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



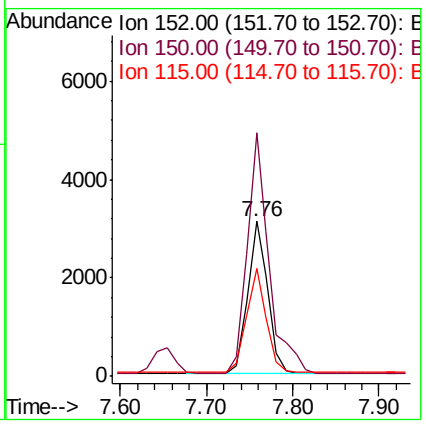


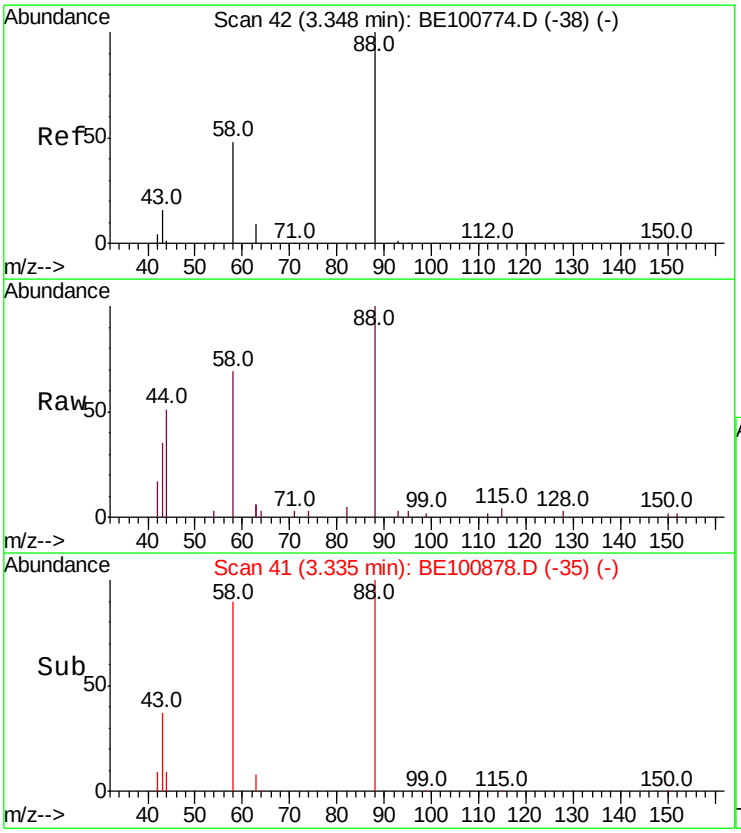
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.76 min Scan# 425
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5018

Ion	Ratio	Lower	Upper
152	100		
150	156.9	125.5	188.3
115	69.6	55.7	83.5

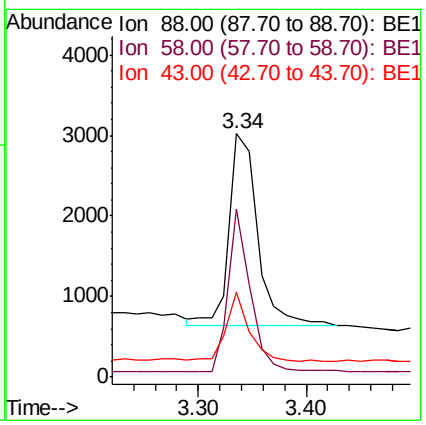


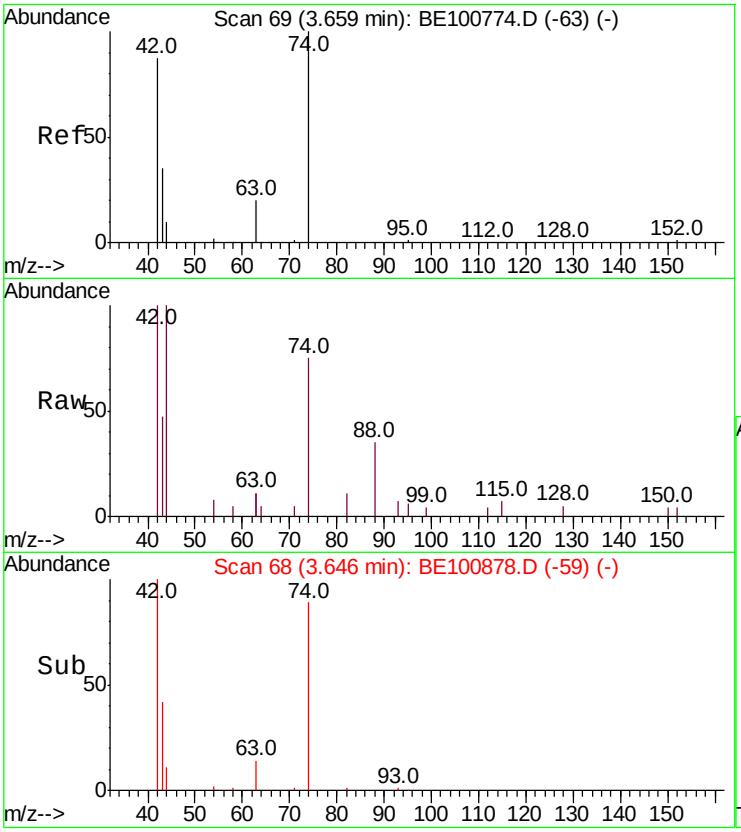


#2
1,4-Dioxane
Concen: 0.477 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion: 88 Resp: 4364

Ion	Ratio	Lower	Upper
88	100		
58	65.1	52.3	78.5
43	29.7	23.5	35.3



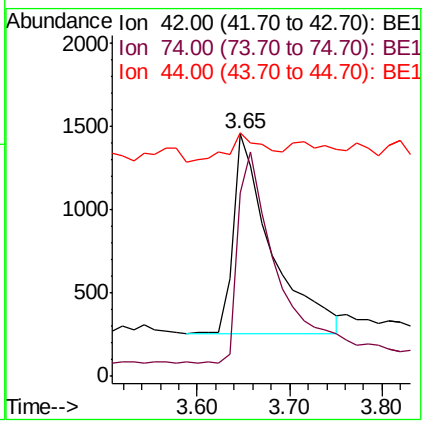


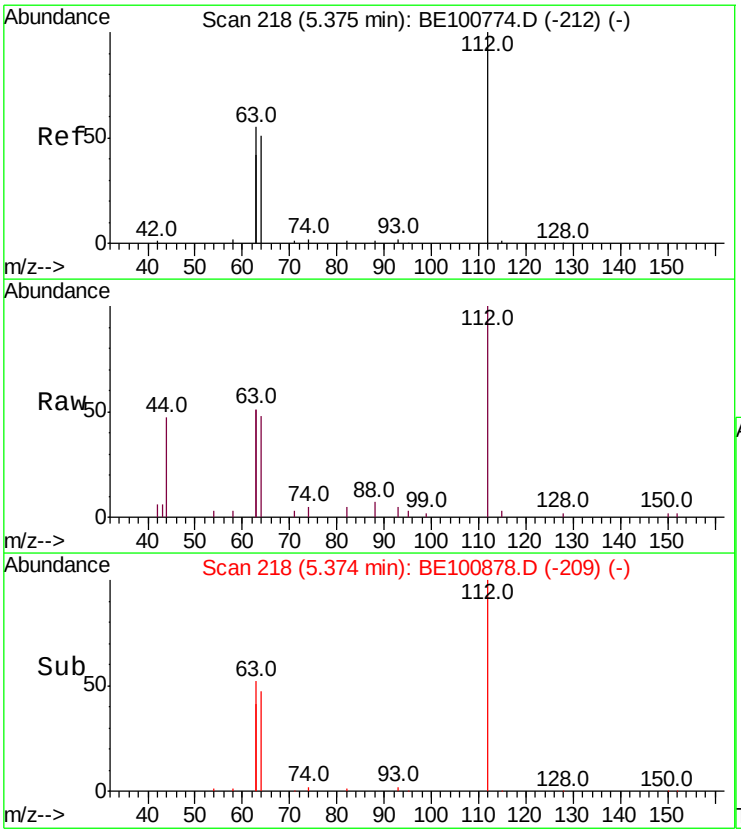
#3
n-Nitrosodimethylamine
Concen: 0.461 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 3430

Ion	Ratio	Lower	Upper
42	100		
74	110.2	90.3	135.5
44	11.2	9.0	13.4

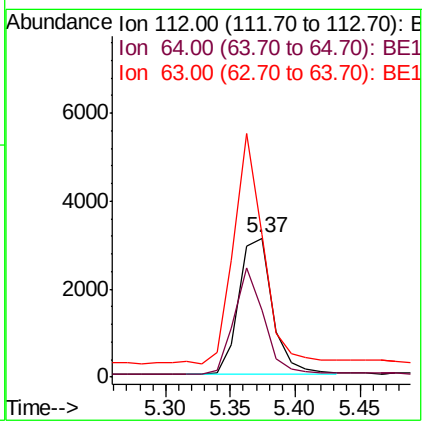


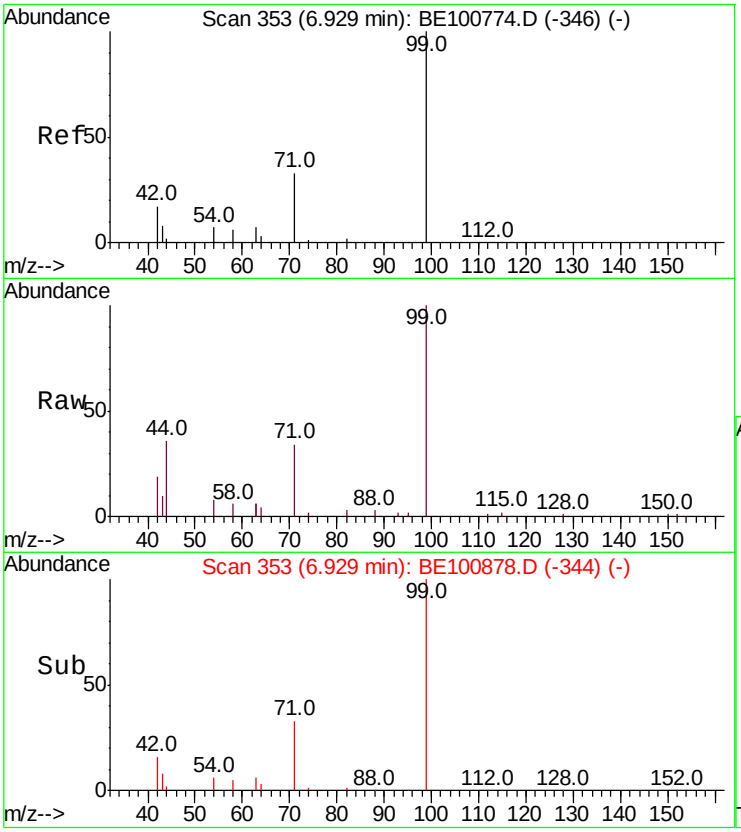


#4
2-Fluorophenol
Concen: 0.477 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:112 Resp: 5680

Ion	Ratio	Lower	Upper
112	100		
64	68.1	54.5	81.7
63	145.2	116.1	174.1



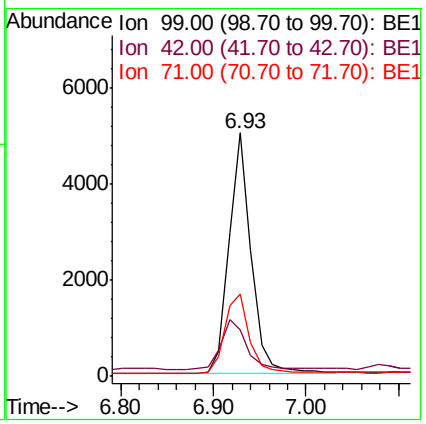


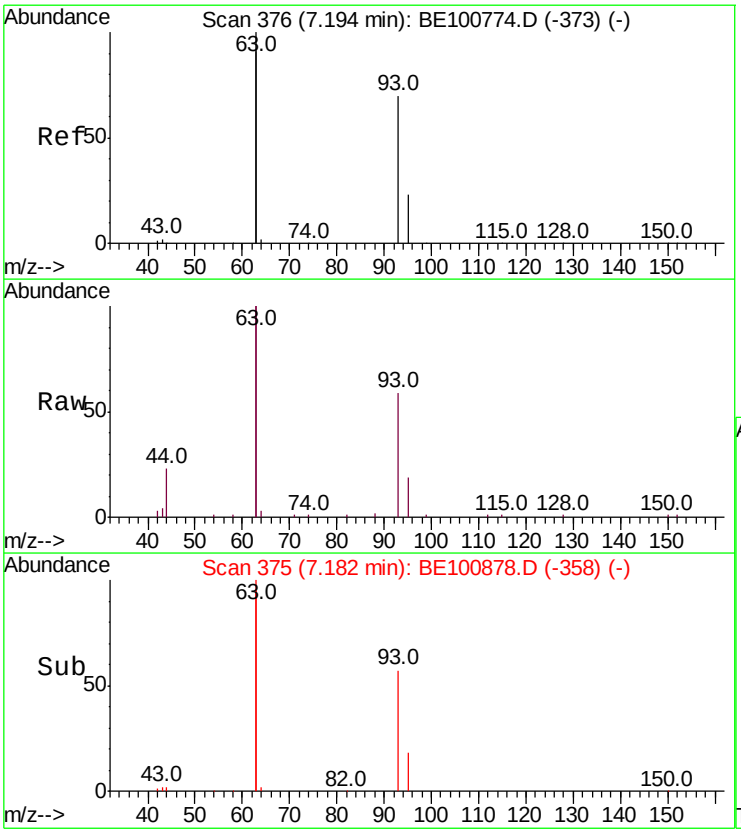
#5
Phenol-d6
Concen: 0.471 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 8459

Ion	Ratio	Lower	Upper
99	100		
42	22.6	18.2	27.2
71	36.6	29.1	43.7

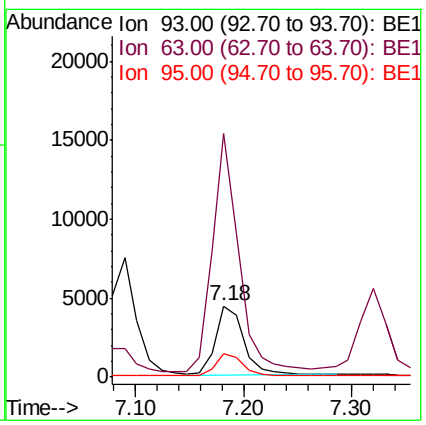


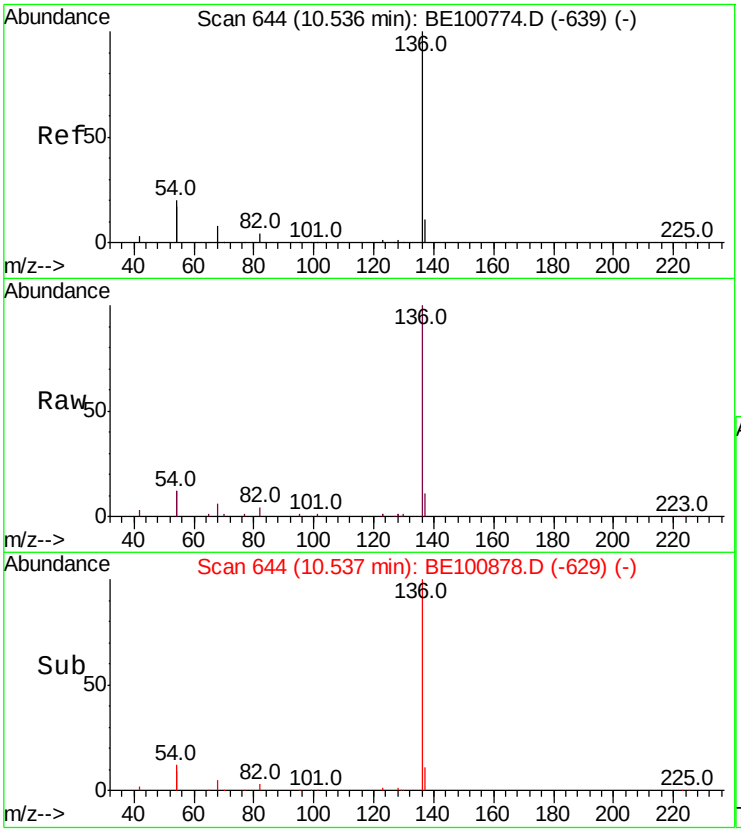


#6
bis(2-Chloroethyl)ether
Concen: 0.461 ng
RT: 7.18 min Scan# 375
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion: 93 Resp: 8003

Ion	Ratio	Lower	Upper
93	100		
63	317.4	253.9	380.9
95	31.3	25.0	37.6



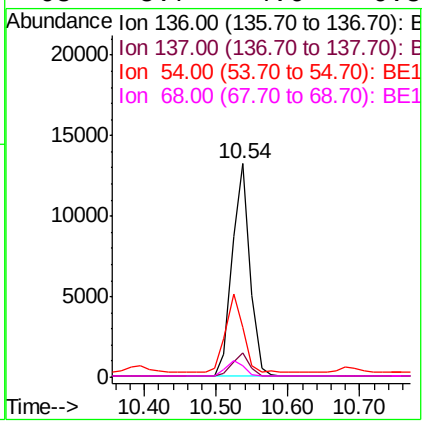


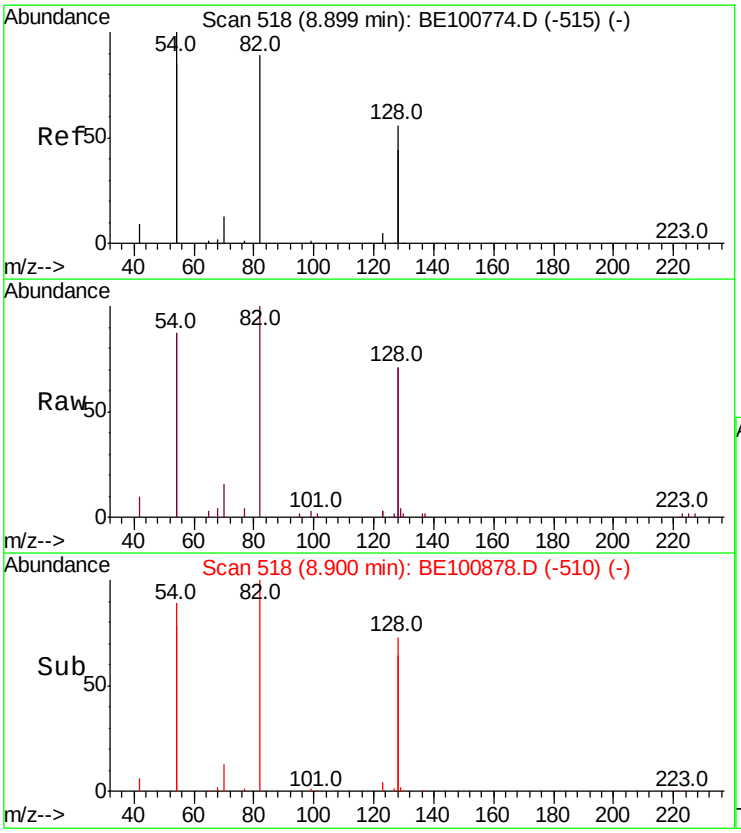
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 22684

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	23.6	18.9	28.3
68	5.7	4.6	6.8

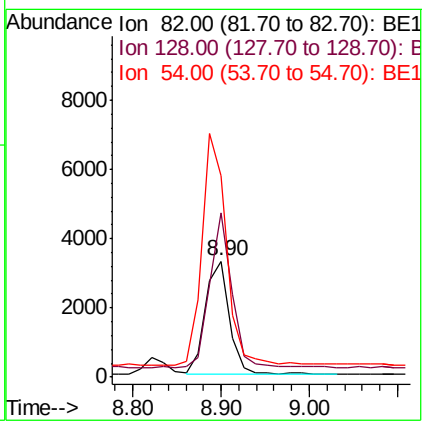


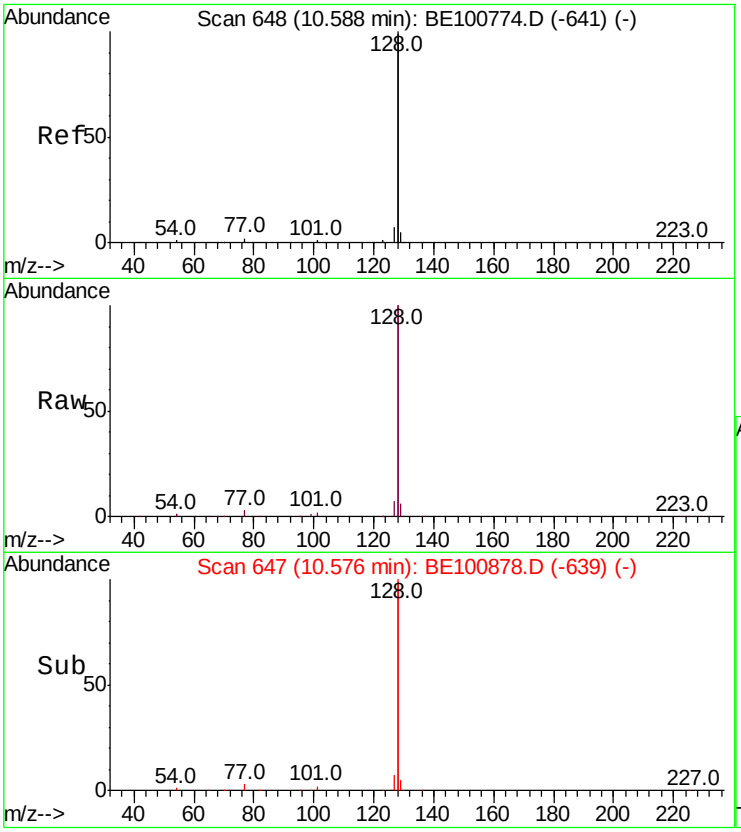


#8
Nitrobenzene-d5
Concen: 0.567 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion: 82 Resp: 6127

Ion	Ratio	Lower	Upper
82	100		
128	141.9	113.5	170.3
54	173.6	138.9	208.3



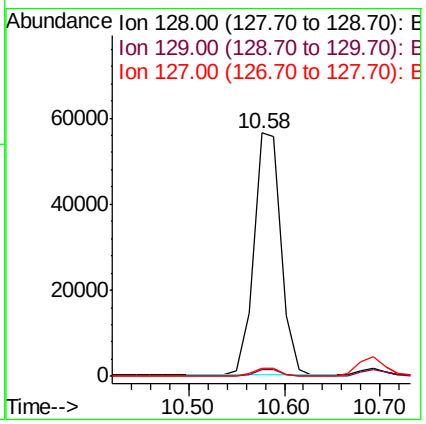


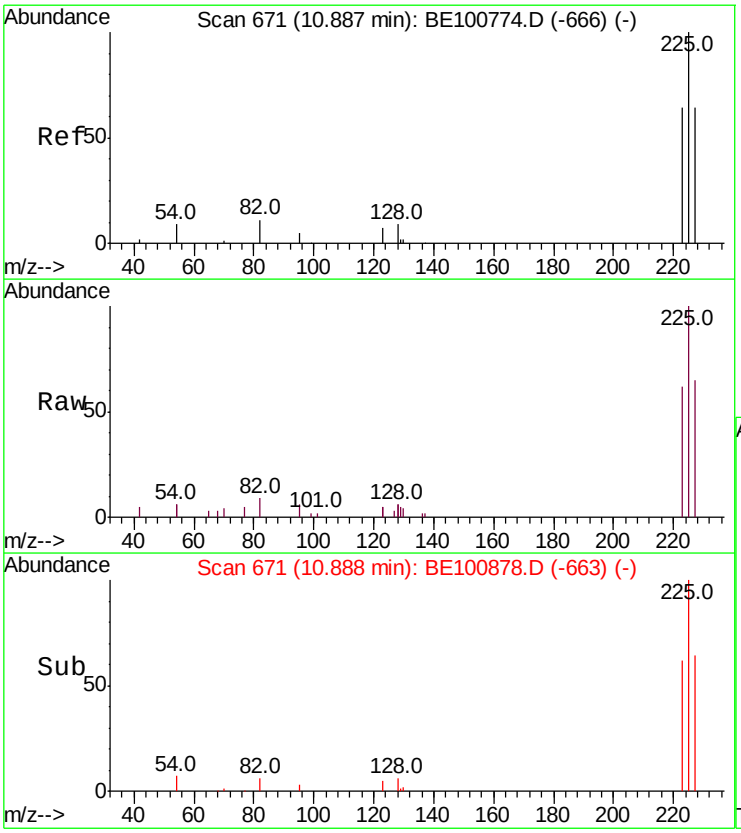
#9
Naphthalene
Concen: 0.461 ng
RT: 10.58 min Scan# 647
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 111241

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.5	2.8	4.2

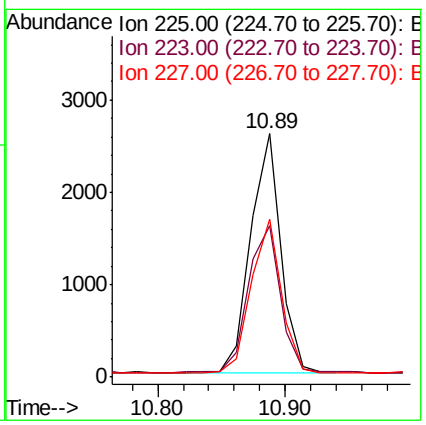


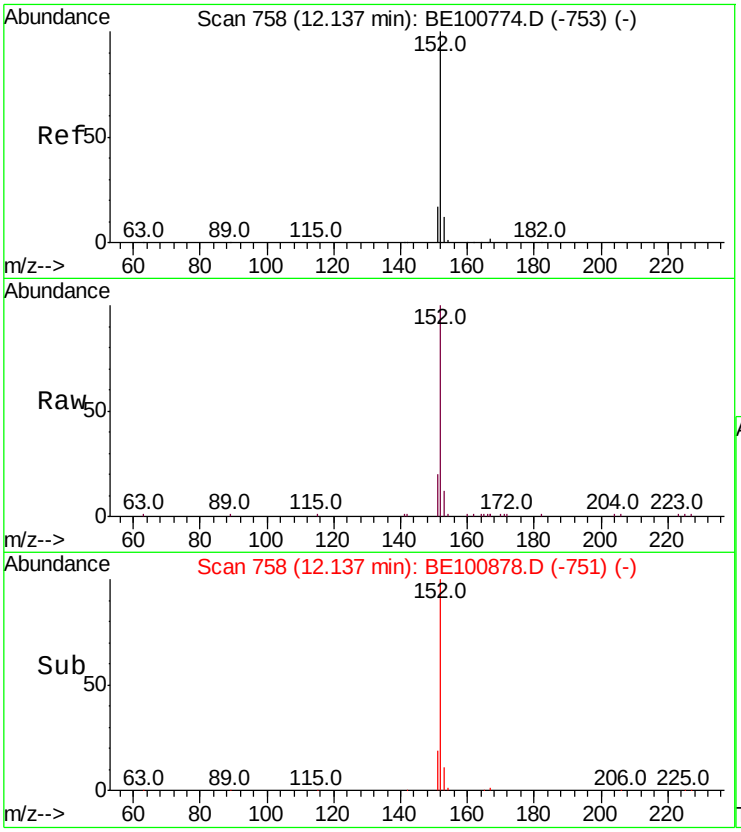


#10
Hexachlorobutadiene
Concen: 0.449 ng
RT: 10.89 min Scan# 671
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:225 Resp: 4221

Ion	Ratio	Lower	Upper
225	100		
223	65.1	52.1	78.1
227	63.9	51.1	76.7



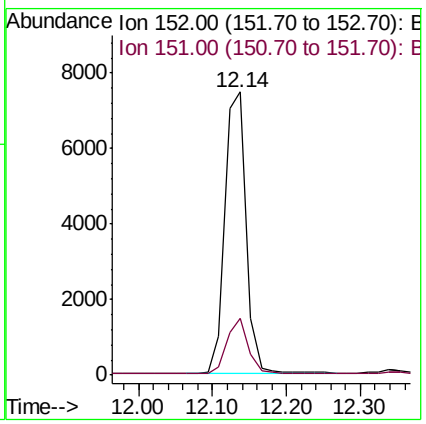


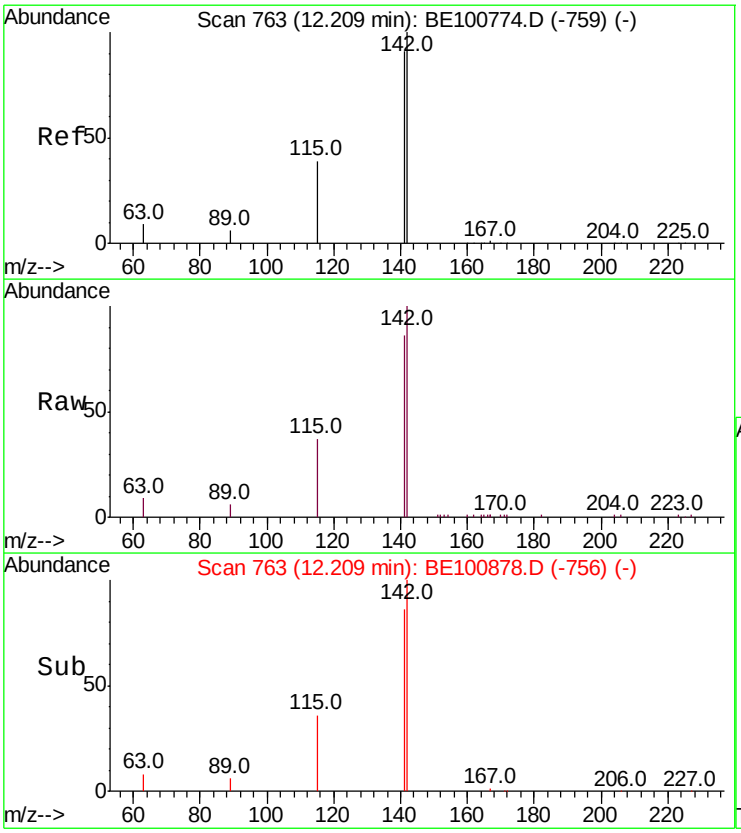
#11
2-Methylnaphthalene-d10
Concen: 0.452 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 14868

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.1	22.7

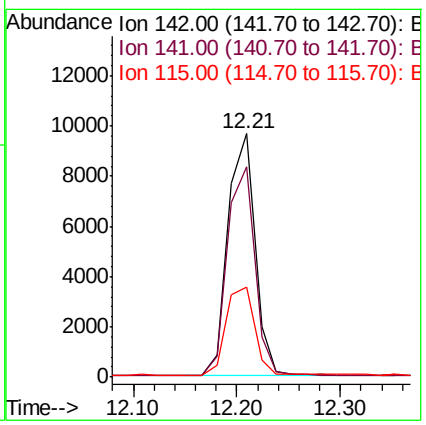


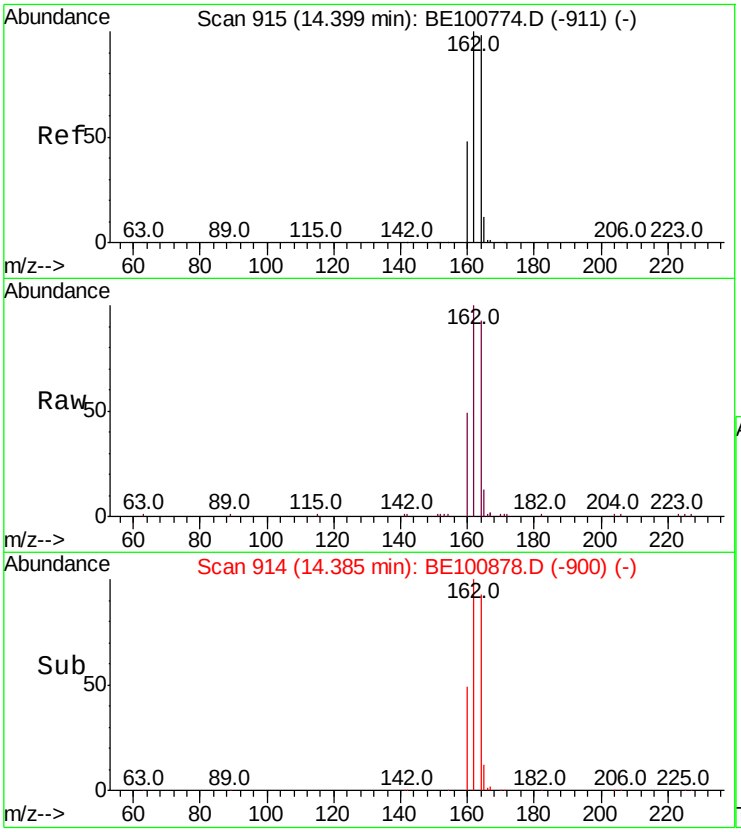


#12
2-Methylnaphthalene
Concen: 0.466 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:142 Resp: 17549

Ion	Ratio	Lower	Upper
142	100		
141	86.1	68.9	103.3
115	36.9	29.5	44.3



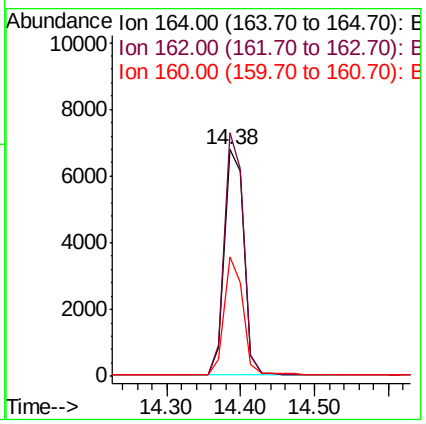


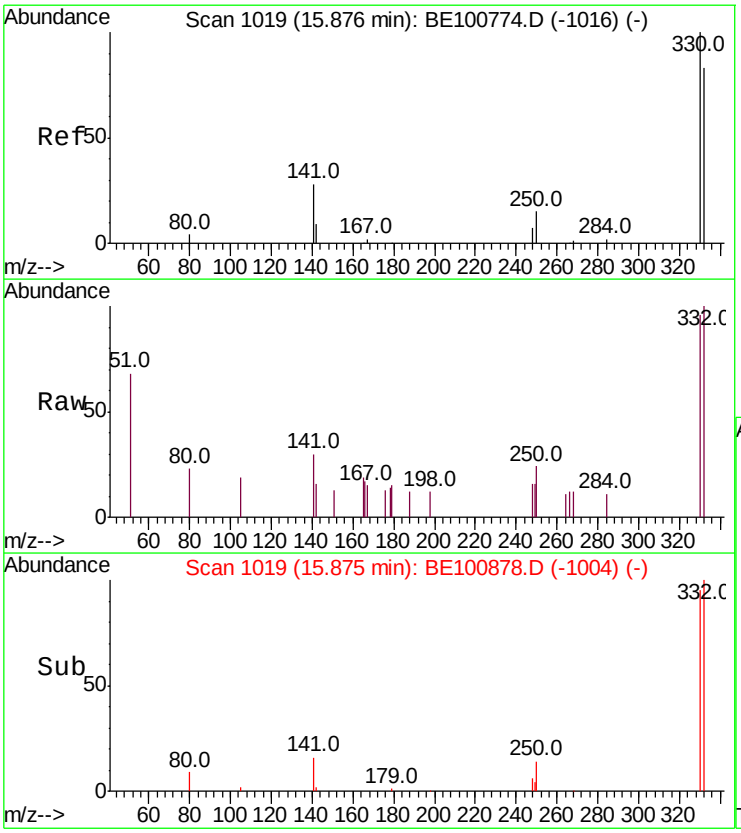
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.38 min Scan# 914
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 12330

Ion	Ratio	Lower	Upper
164	100		
162	107.5	86.0	129.0
160	52.9	42.3	63.5

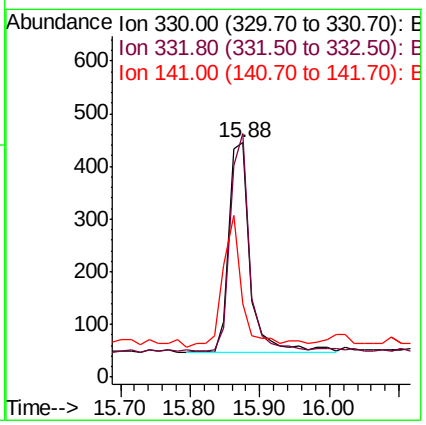


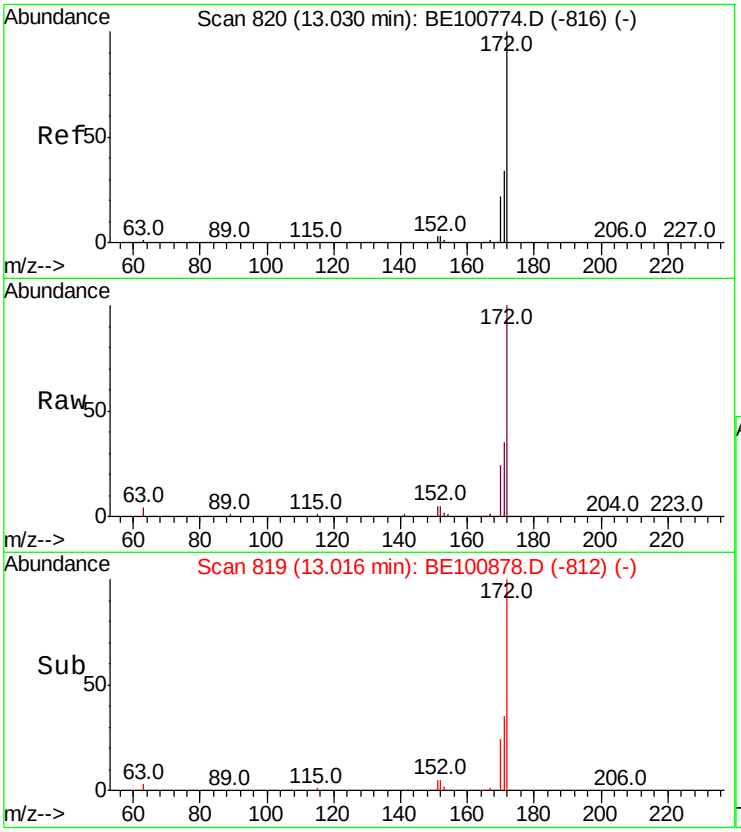


#14
2,4,6-Tribromophenol
Concen: 0.614 ng
RT: 15.88 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:330 Resp: 842

Ion	Ratio	Lower	Upper
330	100		
332	92.6	74.1	111.1
141	58.4	46.7	70.1



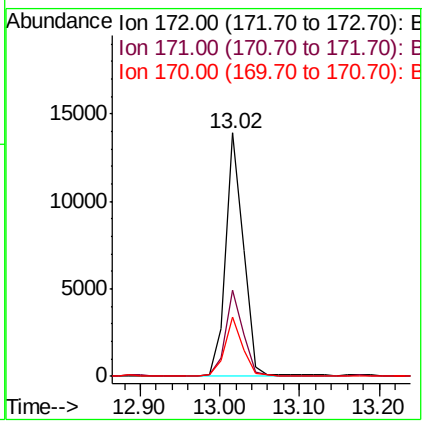


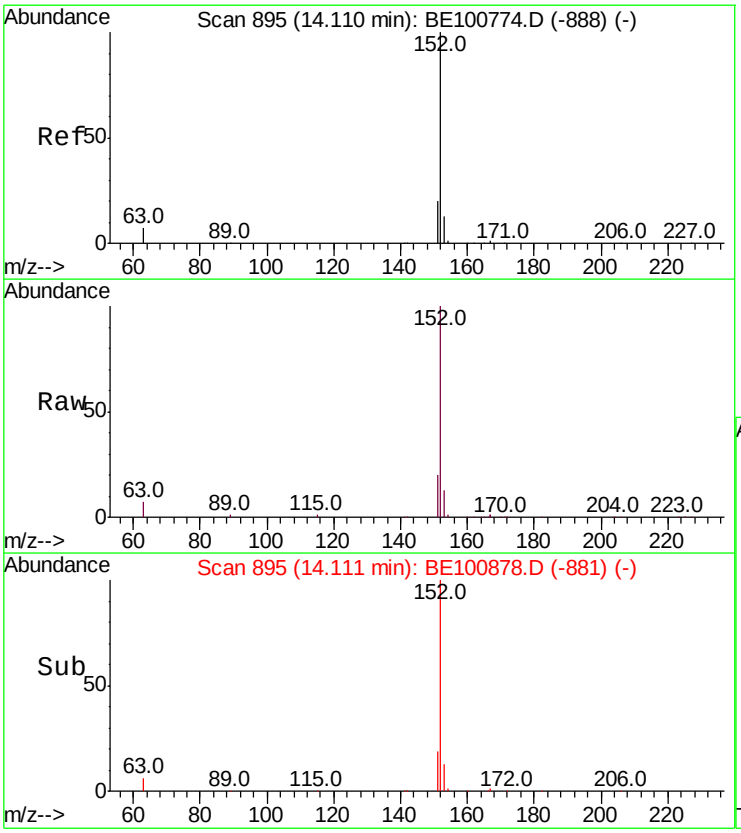
#15
2-Fluorobiphenyl
Concen: 0.433 ng
RT: 13.02 min Scan# 819
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 21159

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.2	42.4
170	24.2	19.4	29.0

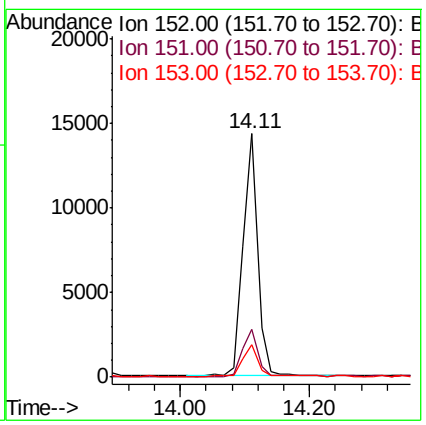


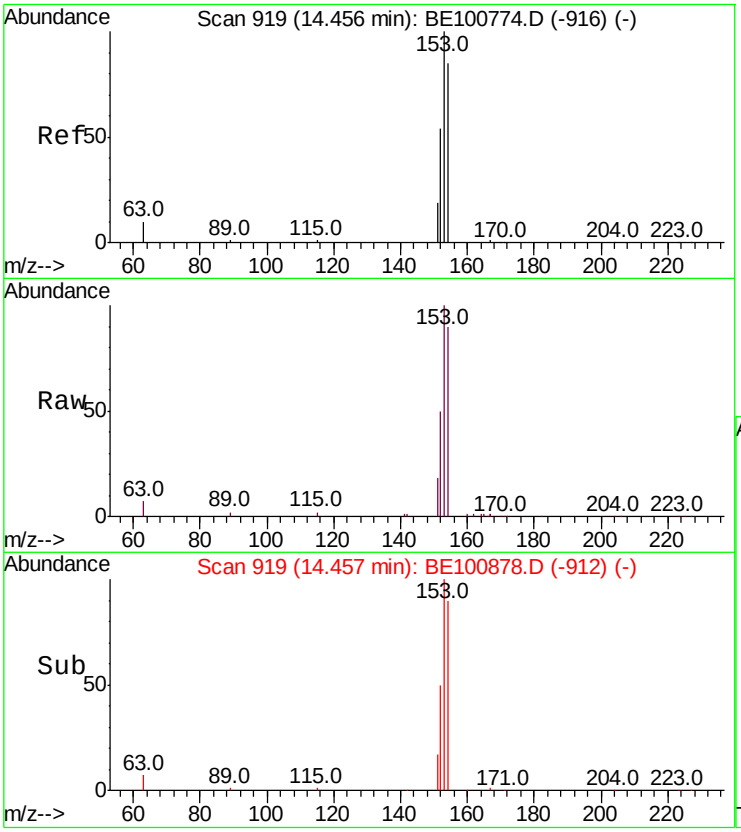


#16
Acenaphthylene
Concen: 0.445 ng
RT: 14.11 min Scan# 895
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:152 Resp: 22707

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.9	23.9
153	13.1	10.5	15.7



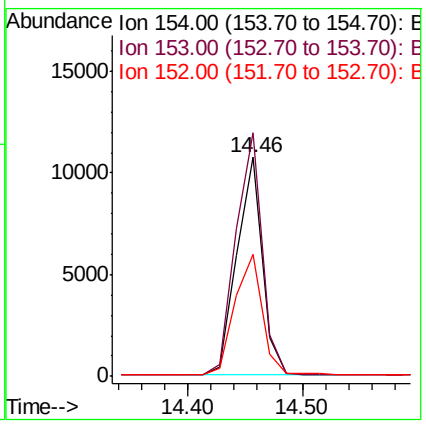


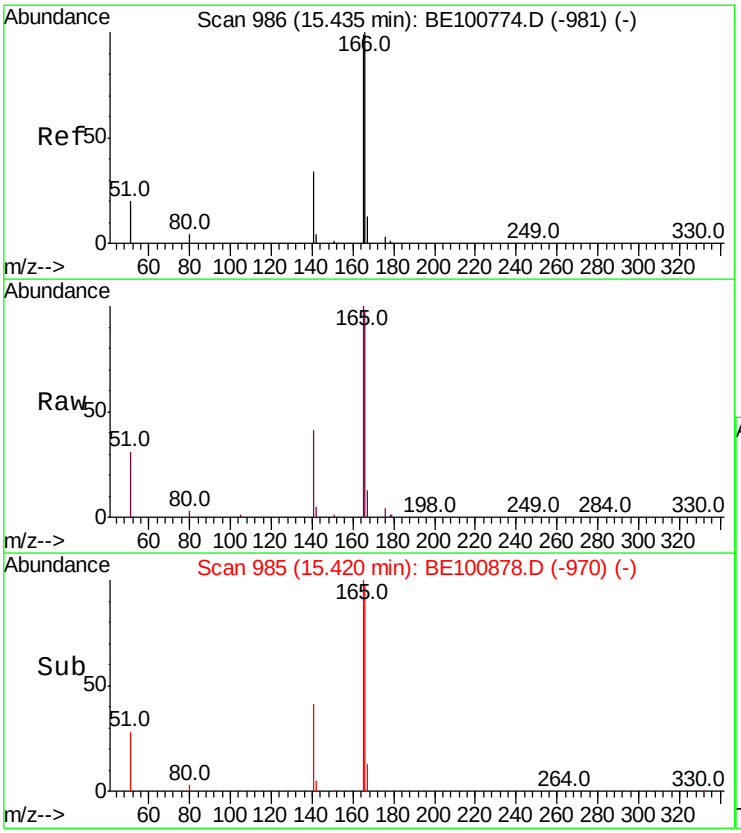
#17
Acenaphthene
Concen: 0.465 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 16356

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.5	137.3
152	60.1	47.7	71.5

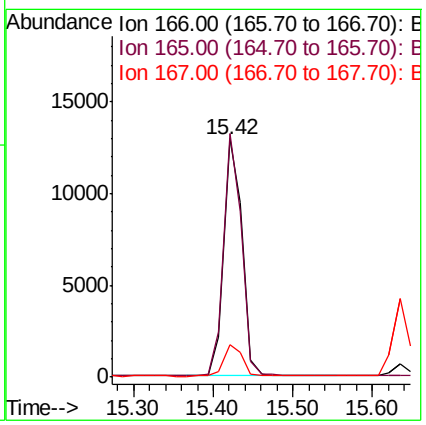


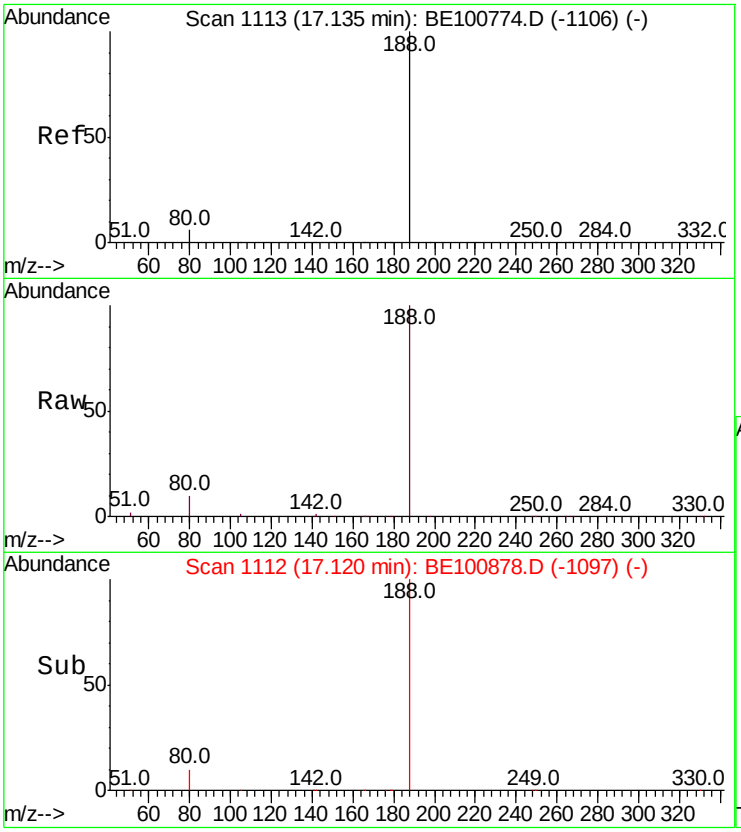


#18
Fluorene
Concen: 0.456 ng
RT: 15.42 min Scan# 985
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:166 Resp: 20663

Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.2	120.4
167	13.3	10.6	16.0



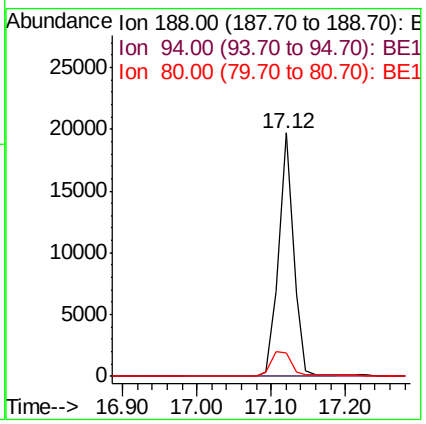


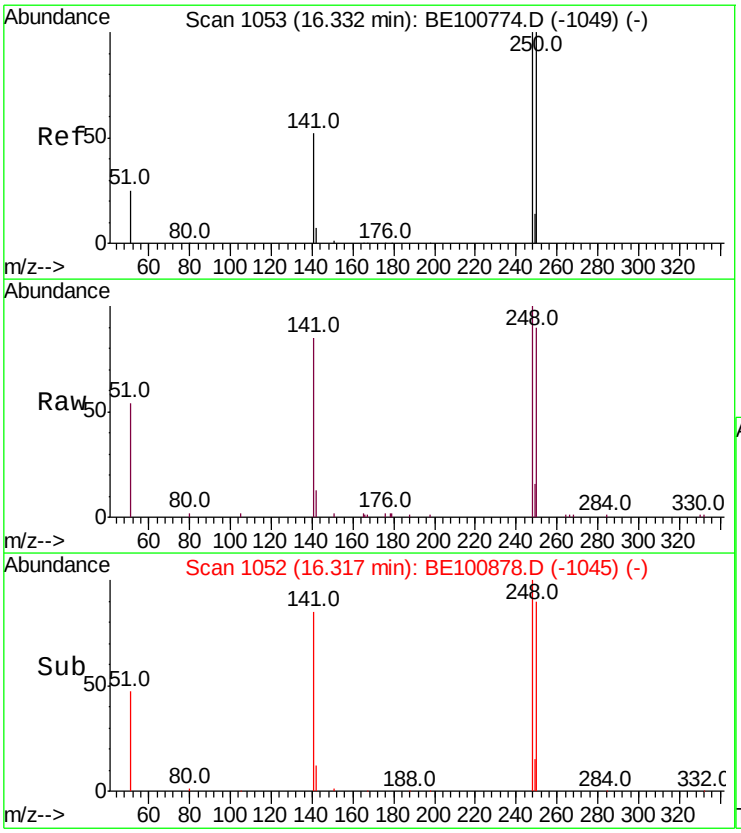
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.12 min Scan# 1112
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 27376

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.9	7.9	11.9

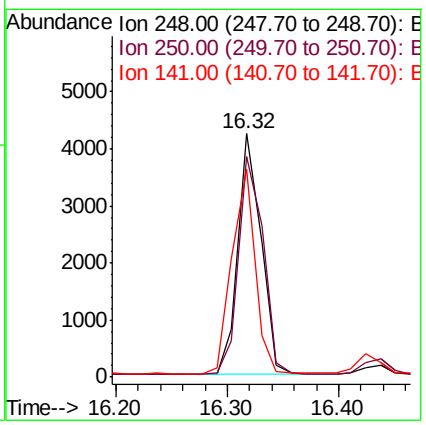


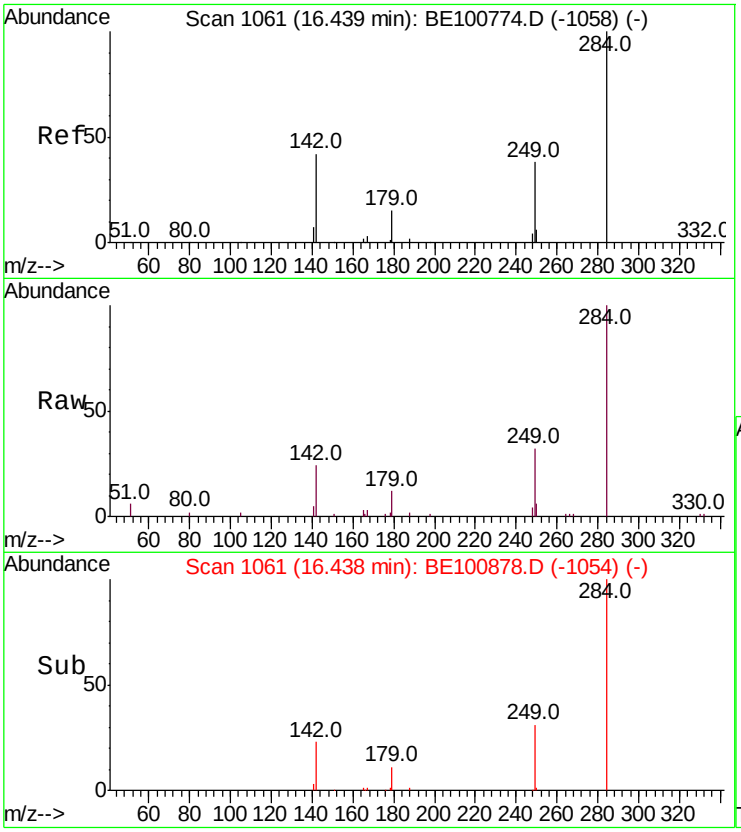


#20
4-Bromophenyl-phenylether
Concen: 0.450 ng
RT: 16.32 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:248 Resp: 6044

Ion	Ratio	Lower	Upper
248	100		
250	90.5	72.4	108.6
141	85.2	68.2	102.2



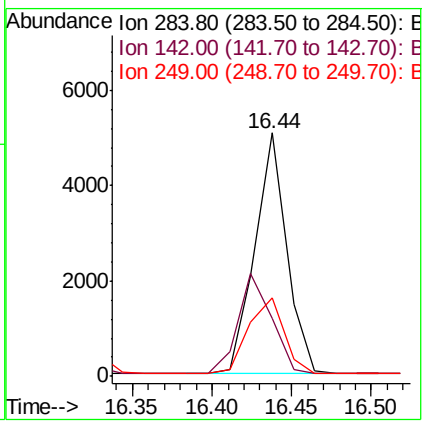


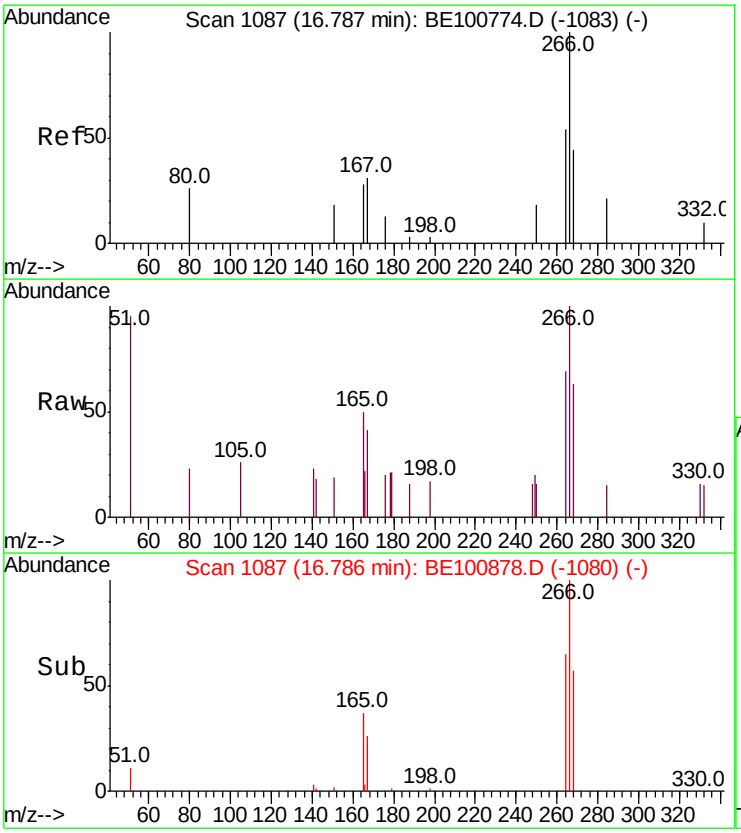
#21
Hexachlorobenzene
Concen: 0.481 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 7015

Ion	Ratio	Lower	Upper
284	100		
142	43.5	35.0	52.4
249	35.1	28.1	42.1

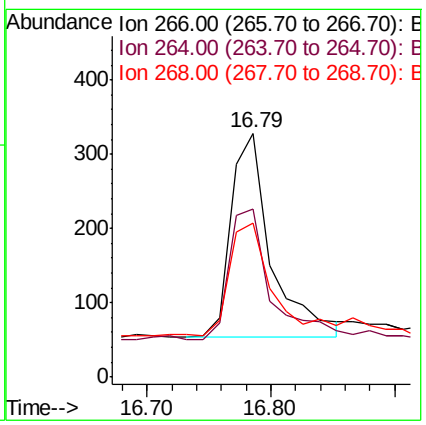


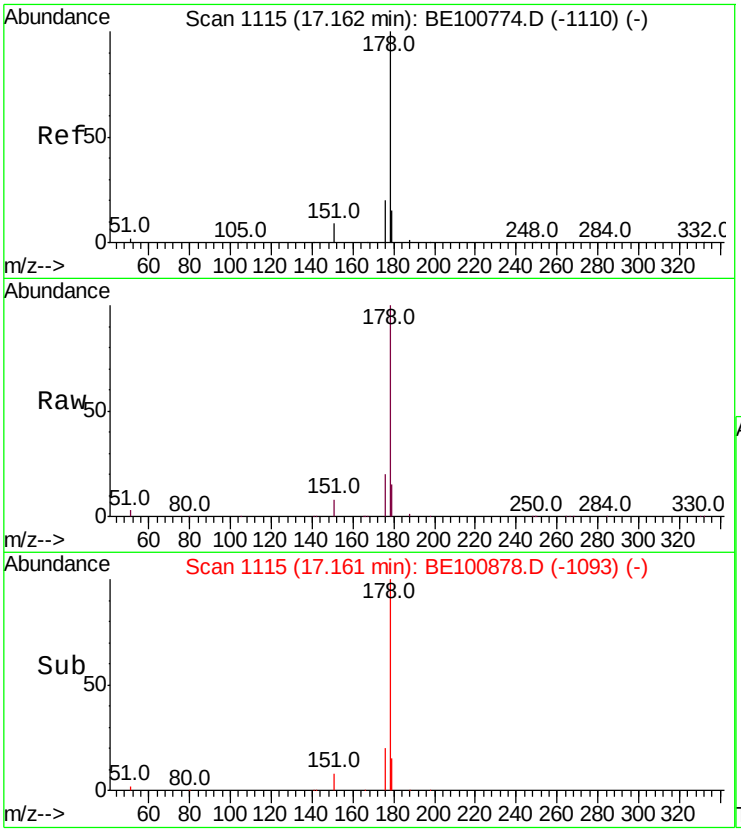


#22
Pentachlorophenol
Concen: 0.611 ng
RT: 16.79 min Scan# 1087
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:266 Resp: 617

Ion	Ratio	Lower	Upper
266	100		
264	68.9	55.1	82.7
268	63.4	50.7	76.1



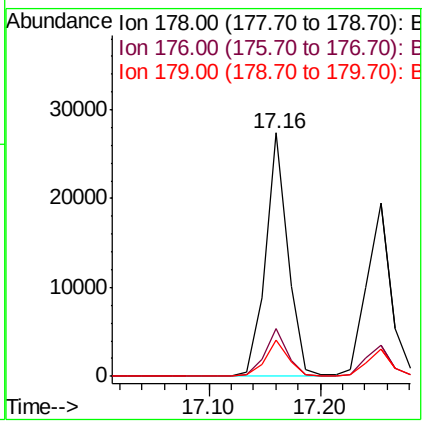


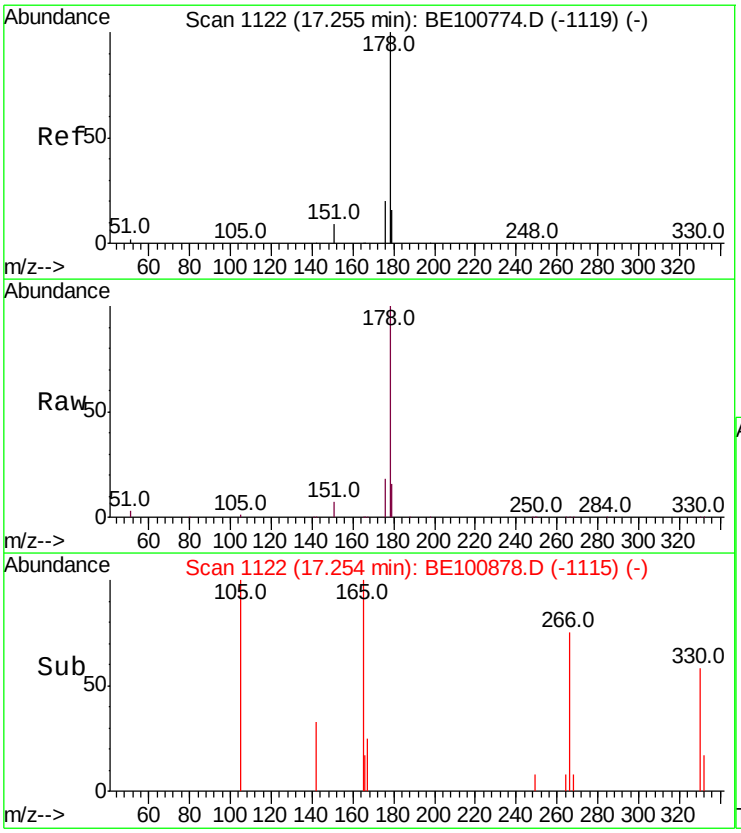
#23
Phenanthrene
Concen: 0.460 ng
RT: 17.16 min Scan# 1115
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 38125

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	14.9	11.9	17.9

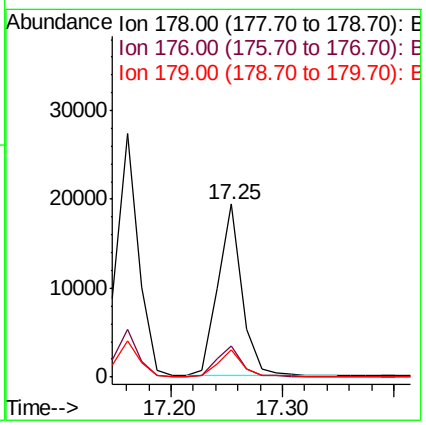


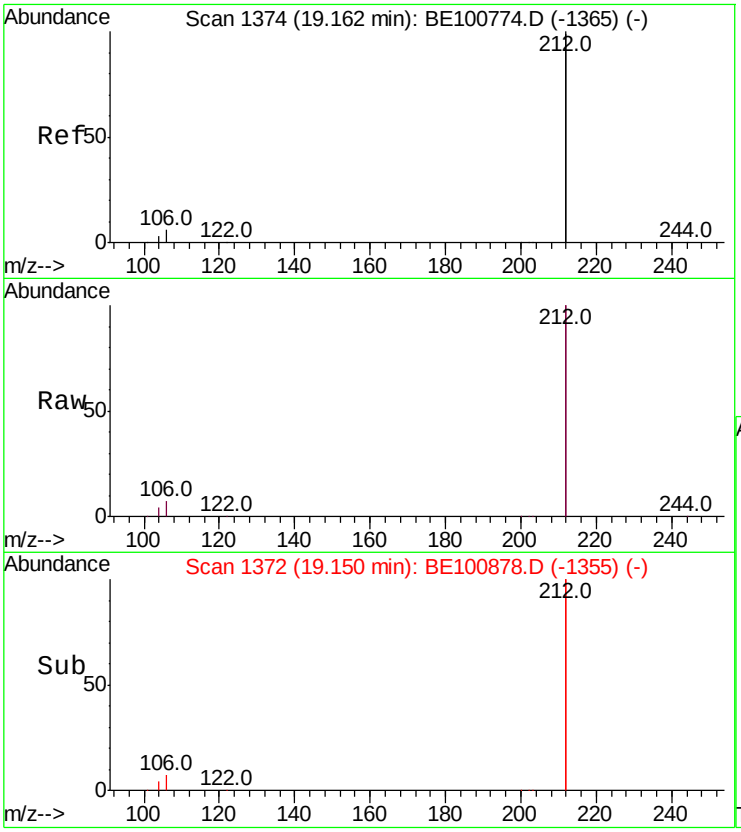


#24
Anthracene
Concen: 0.424 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:178 Resp: 29415

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.7	22.1
179	15.3	12.2	18.4



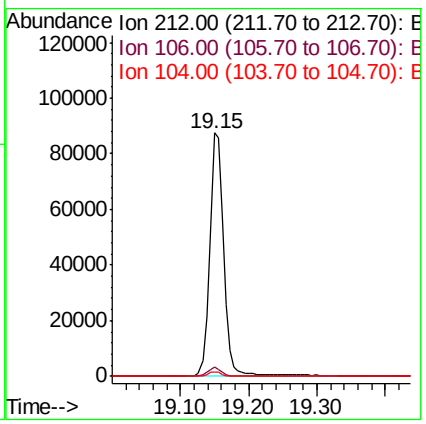


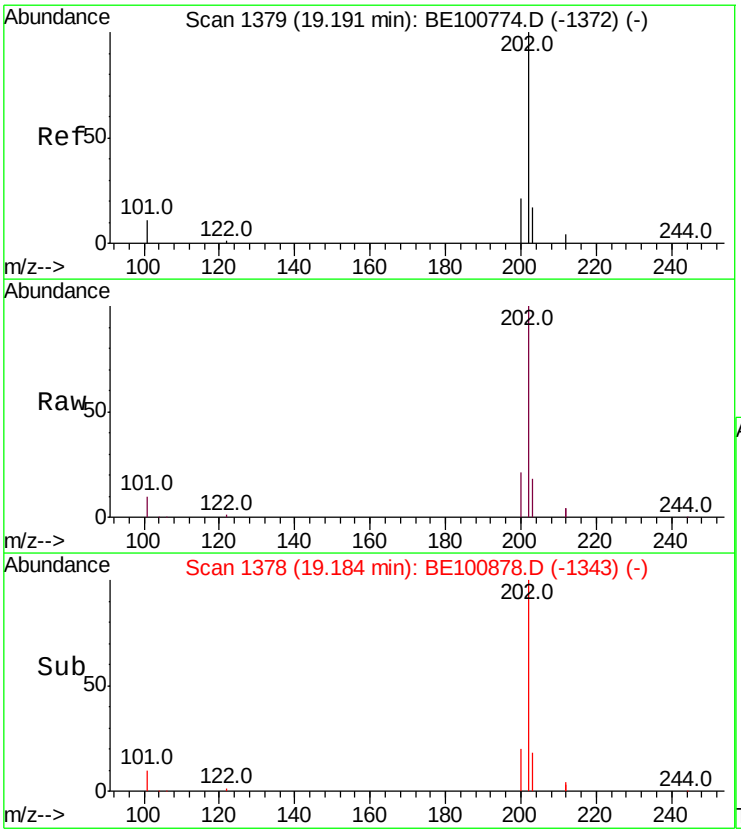
#25
Fluoranthene-d10
Concen: 0.386 ng
RT: 19.15 min Scan# 1372
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 124790

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	4.0
104	1.8	1.4	2.2

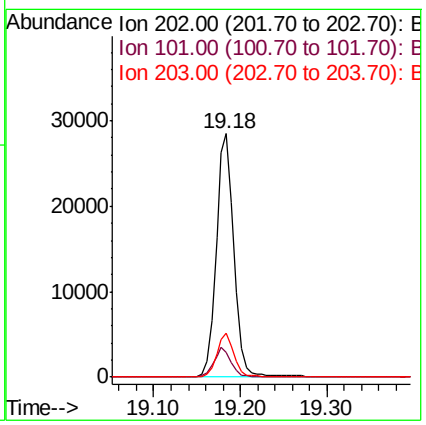


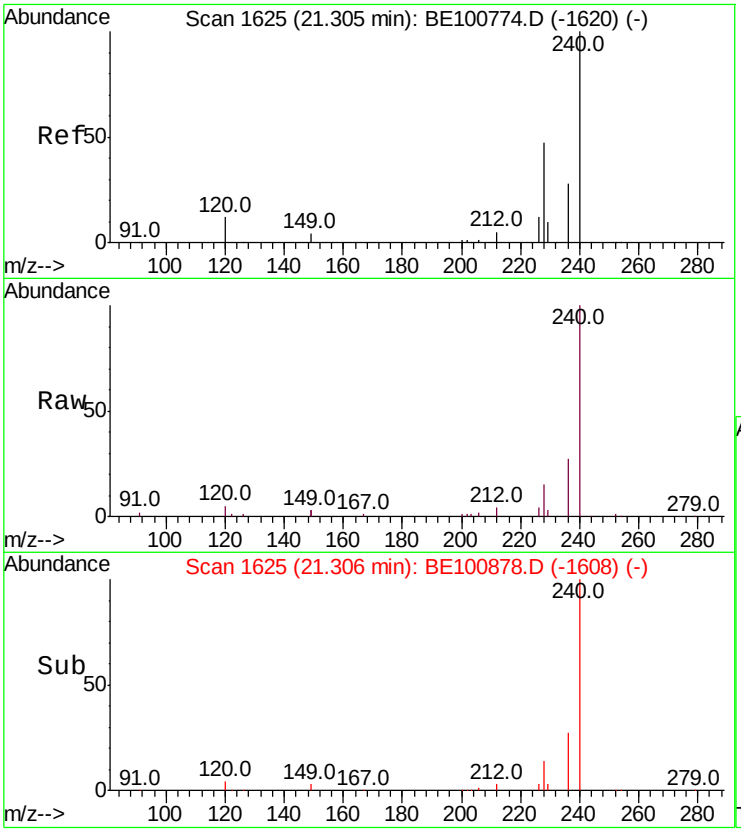


#26
Fluoranthene
Concen: 0.404 ng
RT: 19.18 min Scan# 1378
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:202 Resp: 40019

Ion	Ratio	Lower	Upper
202	100		
101	11.7	9.4	14.0
203	17.1	13.7	20.5



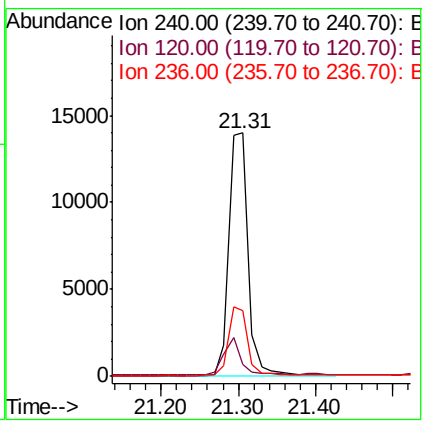


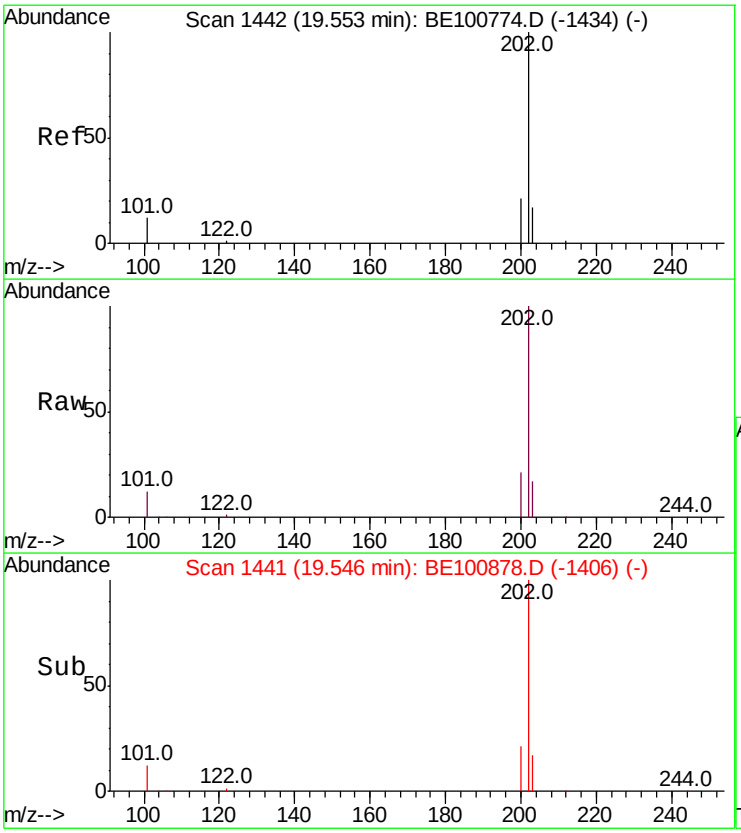
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1625
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 24031

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.0	6.0
236	27.0	21.6	32.4

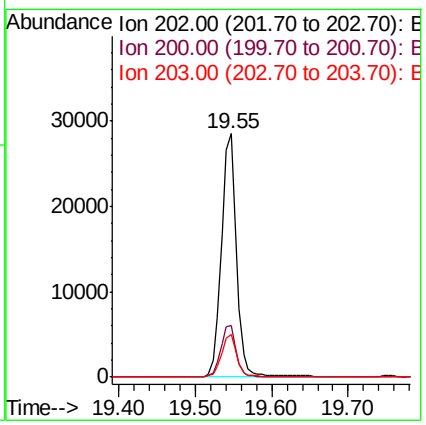


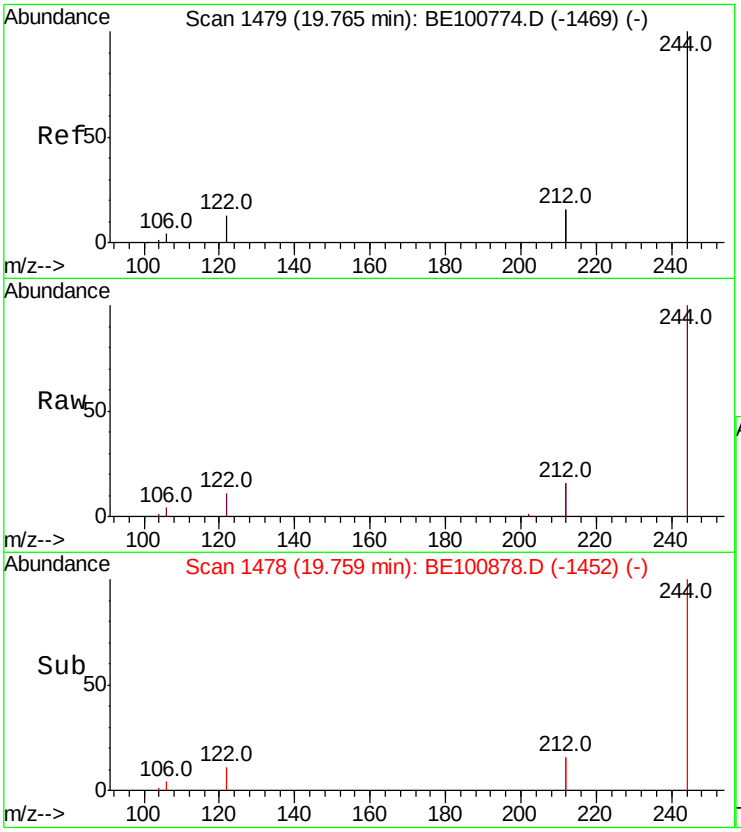


#28
Pyrene
Concen: 0.498 ng
RT: 19.55 min Scan# 1441
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:202 Resp: 38858

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.0	25.4
203	17.3	13.8	20.8



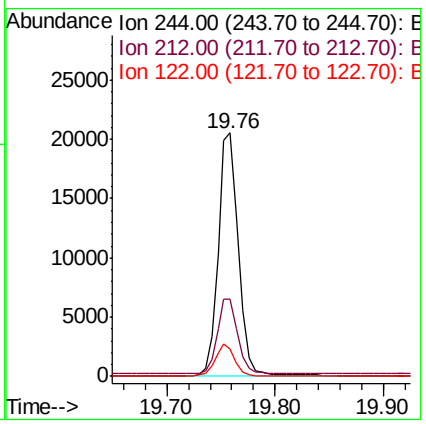


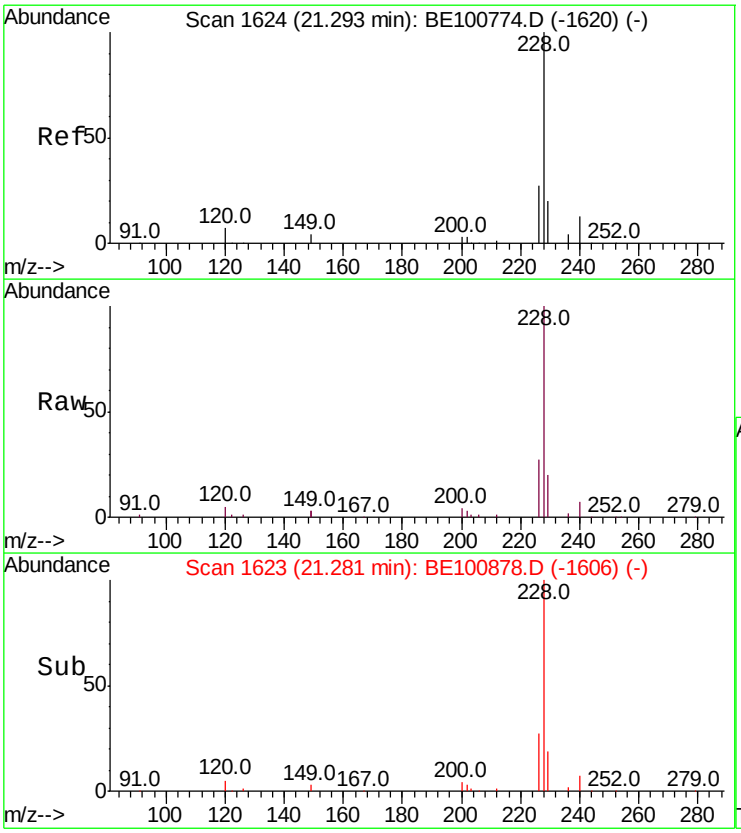
#29
Terphenyl-d14
Concen: 0.460 ng
RT: 19.76 min Scan# 1478
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 26468

Ion	Ratio	Lower	Upper
244	100		
212	31.5	25.2	37.8
122	11.1	8.9	13.3

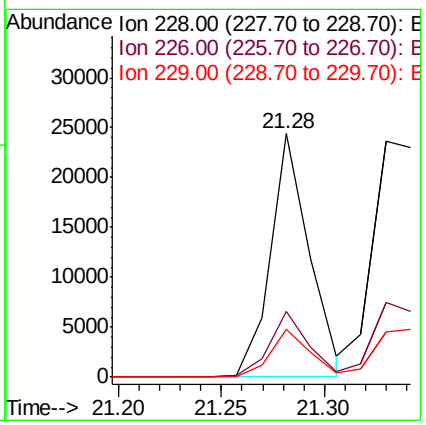


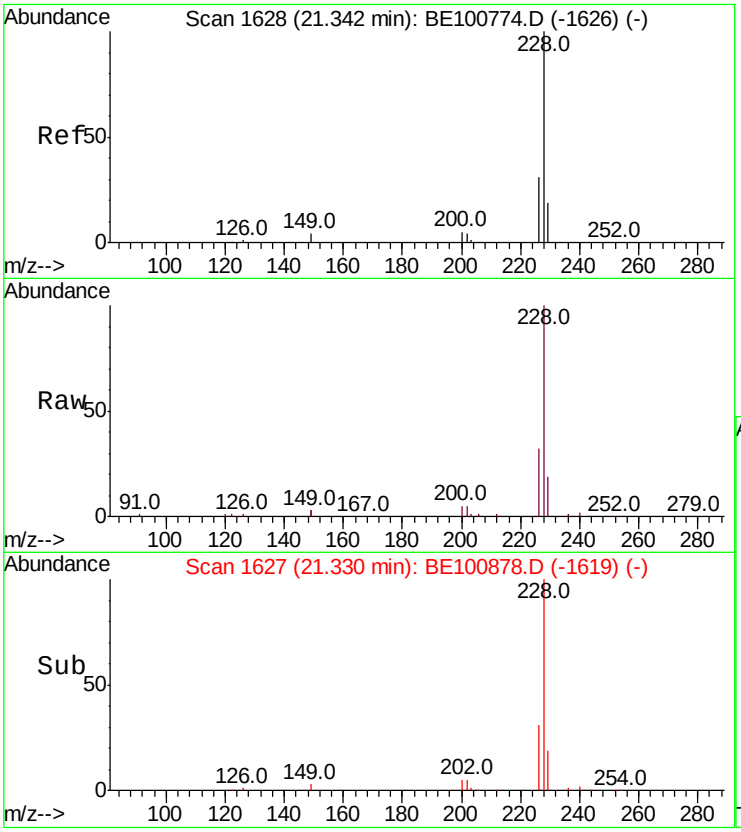


#30
Benzo(a)anthracene
Concen: 0.452 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:228 Resp: 32042

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.4	32.0
229	19.7	15.8	23.6



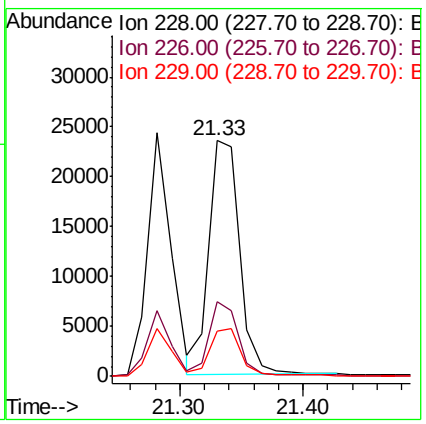


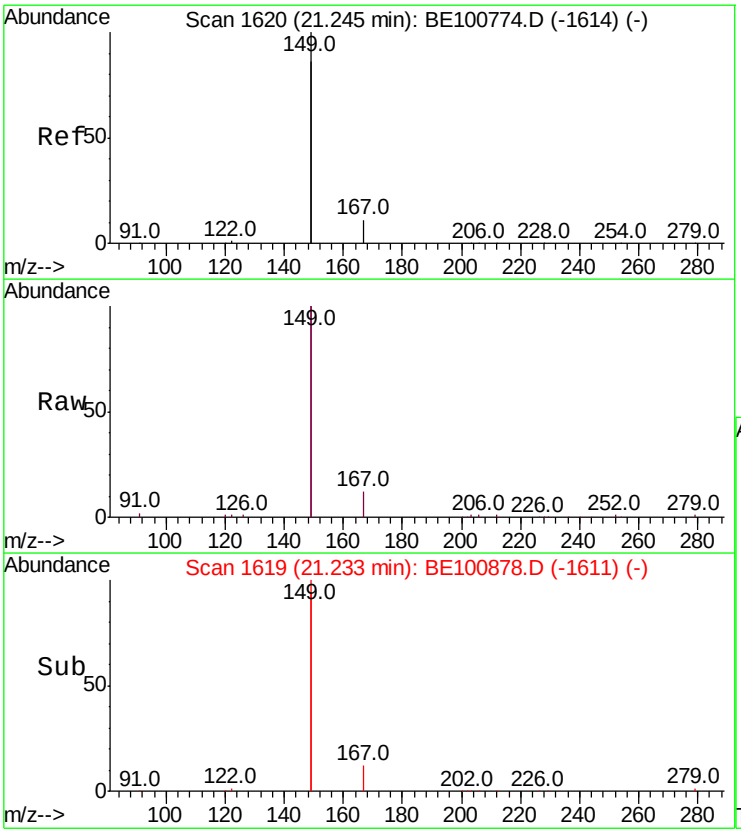
#31
Chrysene
Concen: 0.489 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 40675

Ion	Ratio	Lower	Upper
228	100		
226	31.6	25.3	37.9
229	19.0	15.2	22.8

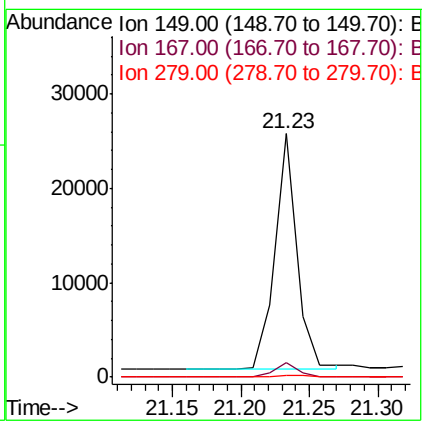


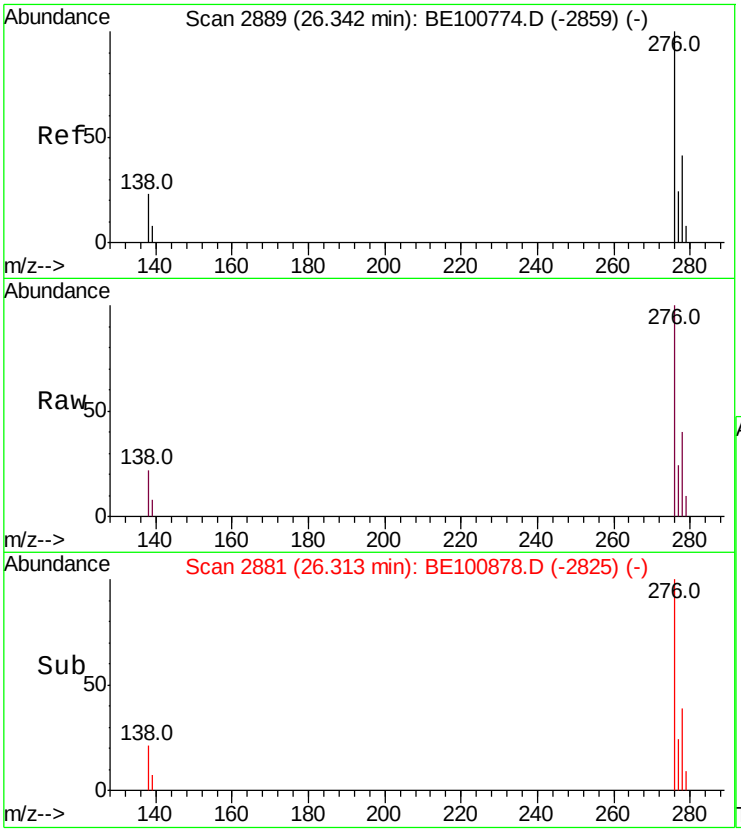


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.559 ng
RT: 21.23 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:149 Resp: 27931

Ion	Ratio	Lower	Upper
149	100		
167	6.1	5.0	7.4
279	0.8	0.6	1.0



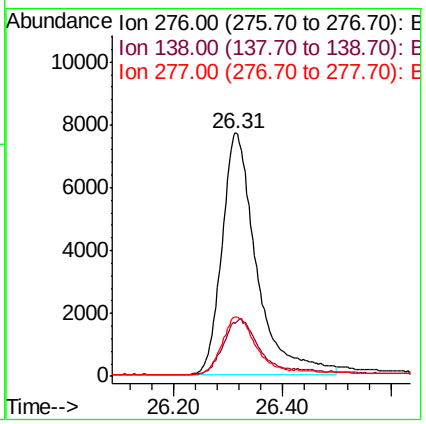


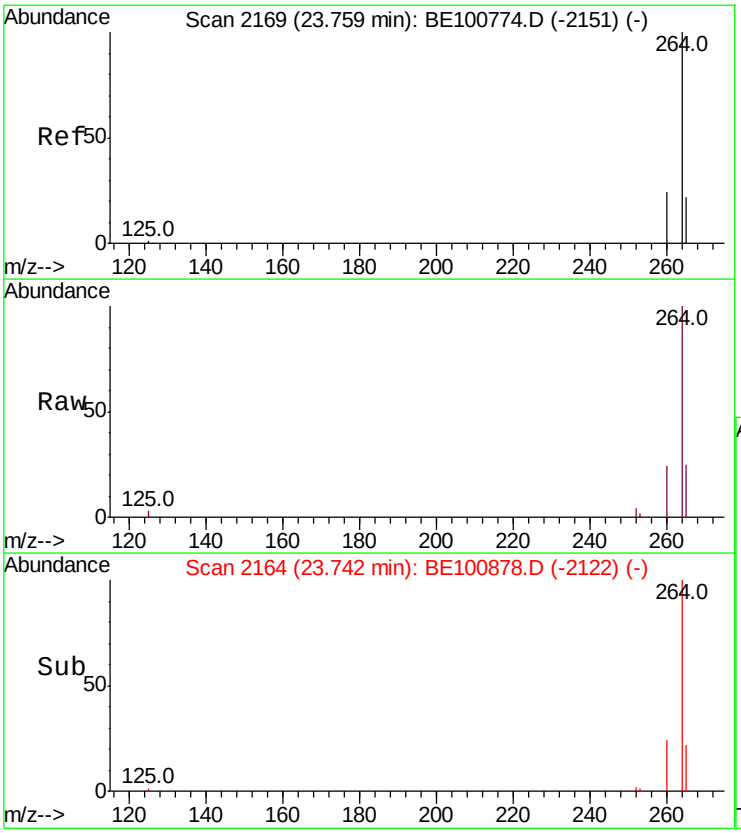
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.471 ng
RT: 26.31 min Scan# 2881
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 34122

Ion	Ratio	Lower	Upper
276	100		
138	23.2	18.4	27.6
277	24.6	19.4	29.2

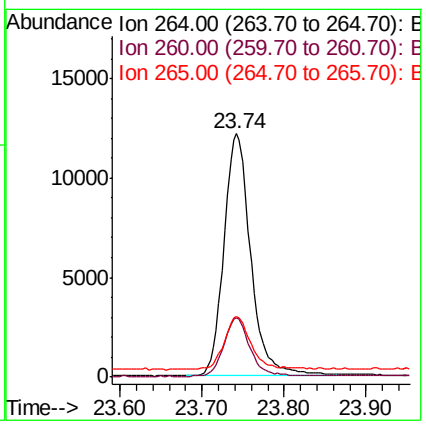


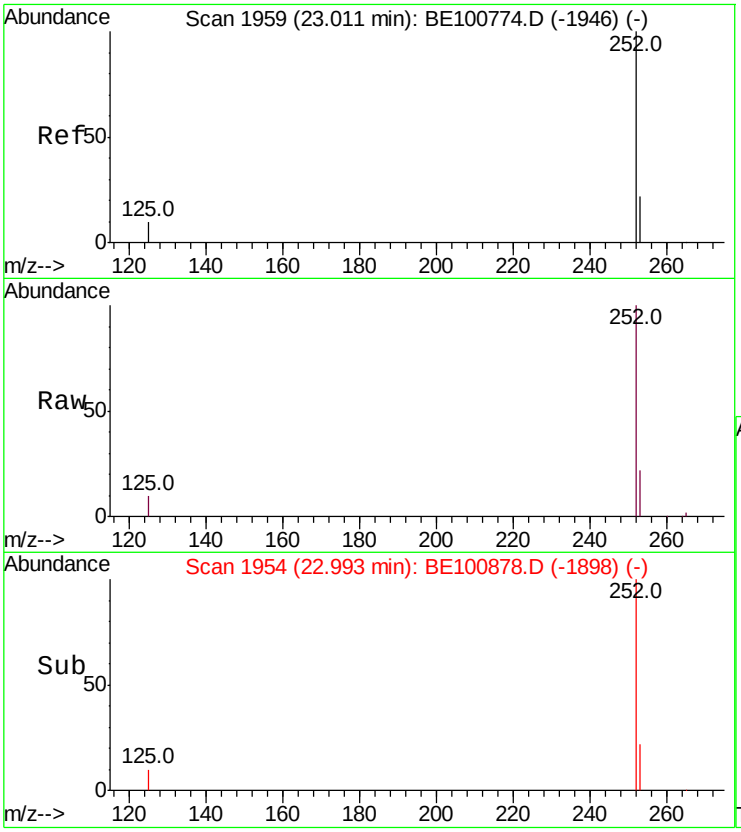


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.74 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:264 Resp: 27750

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.0
265	25.1	20.1	30.1



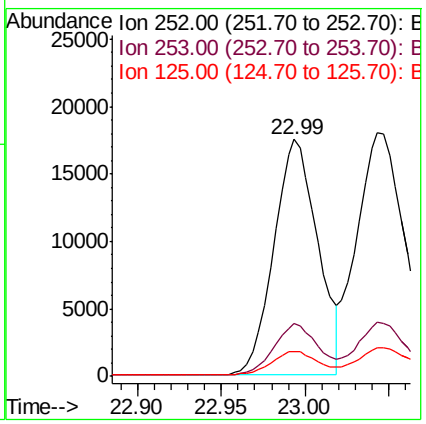


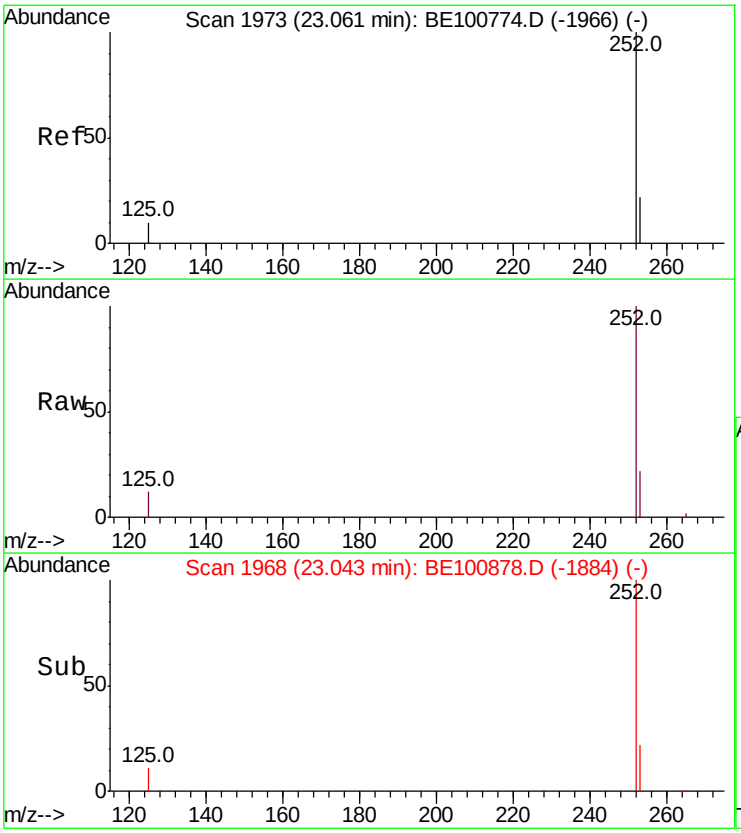
#35
Benzo(b)fluoranthene
Concen: 0.423 ng
RT: 22.99 min Scan# 1954
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 32143

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.4	8.3	12.5

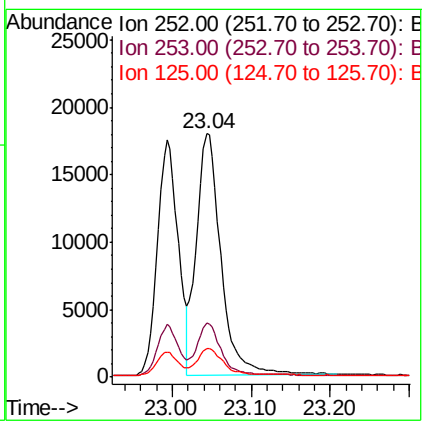


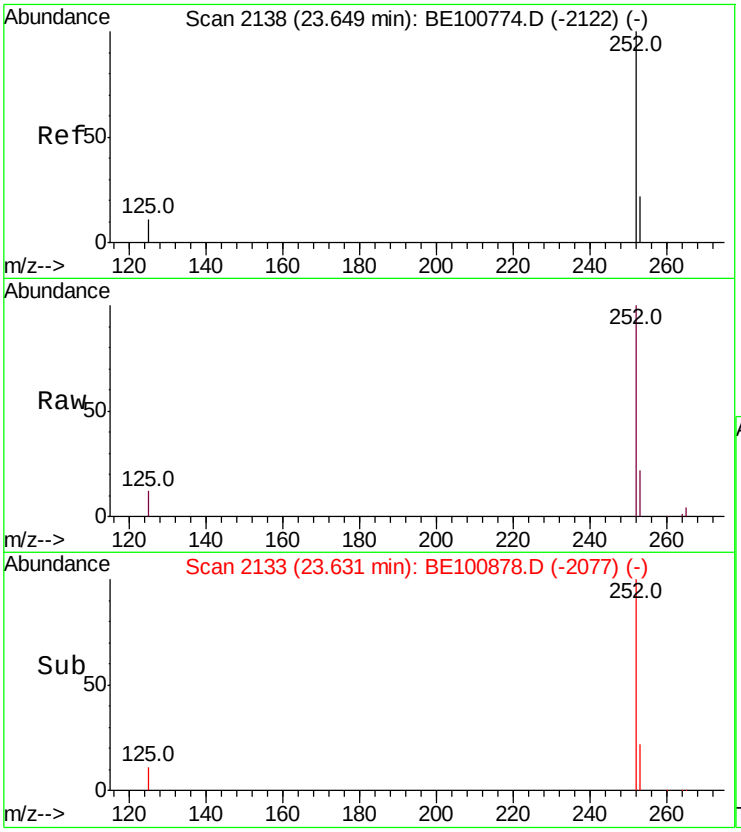


#36
Benzo(k)fluoranthene
Concen: 0.455 ng
RT: 23.04 min Scan# 1968
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:252 Resp: 38788

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.7	9.4	14.0



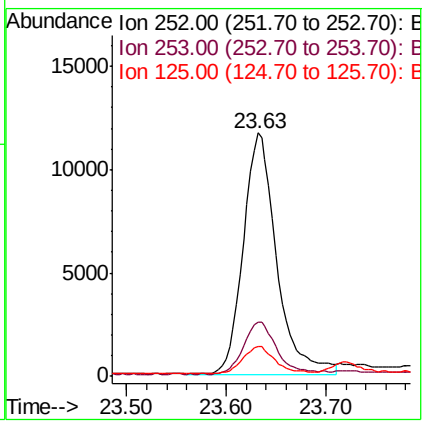


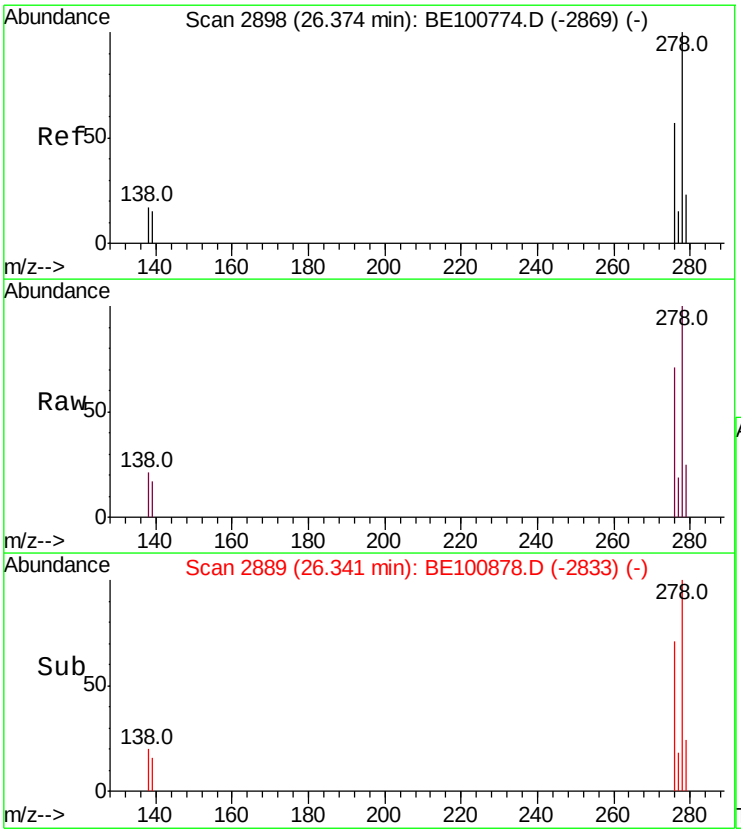
#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.63 min Scan# 2133
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 26990

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	12.4	9.9	14.9

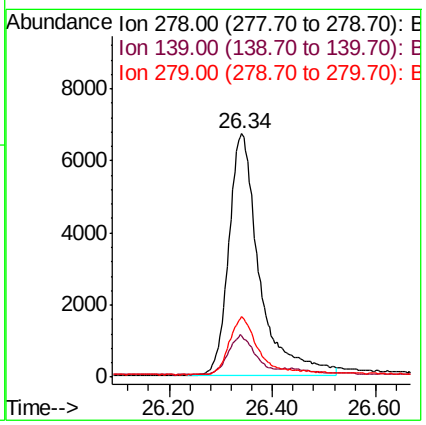


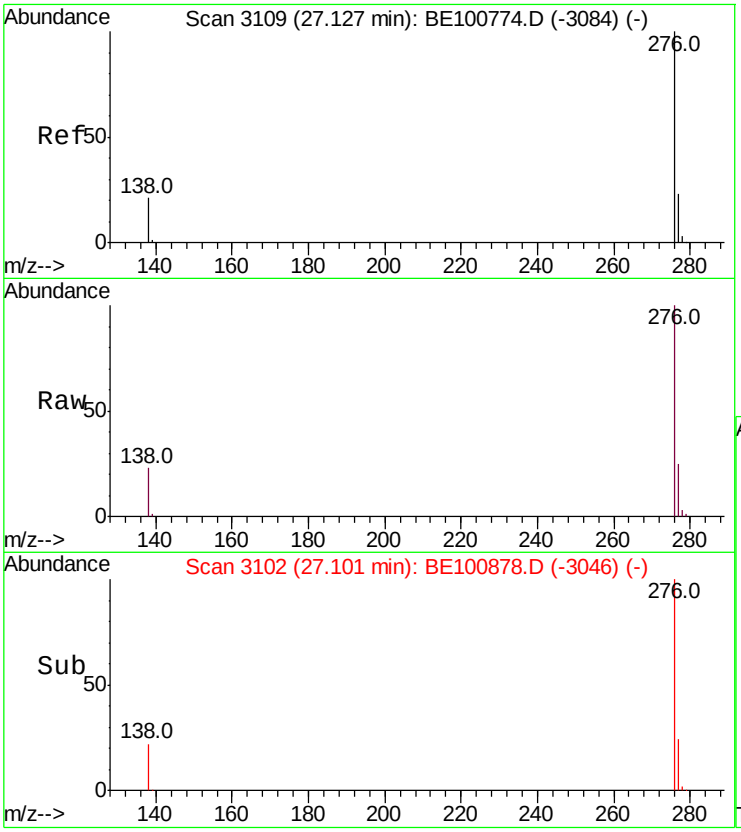


#38
Dibenzo(a,h)anthracene
Concen: 0.422 ng
RT: 26.34 min Scan# 2889
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Tgt Ion:278 Resp: 27634

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.8	20.6
279	24.7	19.8	29.6





#39
Benzo(g,h,i)perylene
Concen: 0.435 ng
RT: 27.10 min Scan# 3102
Delta R.T. 0.00 min
Lab File: BE100878.D
Acq: 13 Dec 2019 9:35

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 30411

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.7	29.5
138	22.5	18.0	27.0