Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092519\
Data File : BE100552.D
Acq On : 25 Sep 2019 11:00
Operator : JU
Sample : PB123289BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB123289BS

Quant Time: Sep 25 11:51:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	8336	0.40	ng	0.00
7) Naphthalene-d8	10.64	136	34651	0.40	ng	-0.01
13) Acenaphthene-d10	14.49	164	16935	0.40	ng	0.00
19) Phenanthrene-d10	17.20	188	31000	0.40	ng	0.00
27) Chrysene-d12	21.37	240	26176	0.40	ng	0.00
34) Perylene-d12	23.83	264	35742	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.45	112	6231	0.32	ng	0.01
5) Phenol-d6	7.02	99	8284	0.31	ng	0.00
8) Nitrobenzene-d5	9.00	82	6198	0.31	ng	0.00
11) 2-Methylnaphthalene-d10	12.24	152	16772	0.32	ng	0.00
14) 2,4,6-Tribromophenol	15.96	330	757	0.28	ng	0.00
15) 2-Fluorobiphenyl	13.12	172	20612	0.34	ng	0.00
25) Fluoranthene-d10	19.22	212	92791	0.25	ng	0.00
29) Terphenyl-d14	19.82	244	21947	0.35	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.35	88	3263	0.271	ng	# 70
3) n-Nitrosodimethylamine	3.67	42	1956	0.277	ng	# 79
6) bis(2-Chloroethyl)ether	7.28	93	8163	0.302	ng	88
9) Naphthalene	10.69	128	118410	0.330	ng	100
10) Hexachlorobutadiene	10.99	225	3596	0.313	ng	98
12) 2-Methylnaphthalene	12.31	142	18141	0.317	ng	99
16) Acenaphthylene	14.20	152	22606	0.324	ng	99
17) Acenaphthene	14.54	154	15195	0.323	ng	100
18) Fluorene	15.52	166	18308	0.311	ng	98
20) 4-Bromophenyl-phenylether	16.40	248	4667	0.320	ng	95
21) Hexachlorobenzene	16.52	284	3946	0.311	ng	99
22) Pentachlorophenol	16.87	266	1222	0.572	ng	95
23) Phenanthrene	17.24	178	28547	0.330	ng	100
24) Anthracene	17.34	178	23080	0.317	ng	99
26) Fluoranthene	19.25	202	27920	0.268	ng	99
28) Pyrene	19.62	202	27631	0.367	ng	100
30) Benzo(a)anthracene	21.34	228	22734	0.325	ng	98
31) Chrysene	21.40	228	28689	0.360	ng	99
32) Bis(2-ethylhexyl)phthalate	21.28	149	24030	0.319	ng	100
33) Indeno(1,2,3-cd)pyrene	26.45	276	40221	0.454	ng	100
35) Benzo(b)fluoranthene	23.07	252	32082	0.332	ng	100
36) Benzo(k)fluoranthene	23.12	252	37725	0.337	ng	100
37) Benzo(a)pyrene	23.72	252	31979	0.354	ng	100
38) Dibenzo(a,h)anthracene	26.47	278	32647	0.347	ng	100
39) Benzo(g,h,i)perylene	27.24	276	36504	0.372	ng	98

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

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Acq On : 25 Sep 2019 11:00
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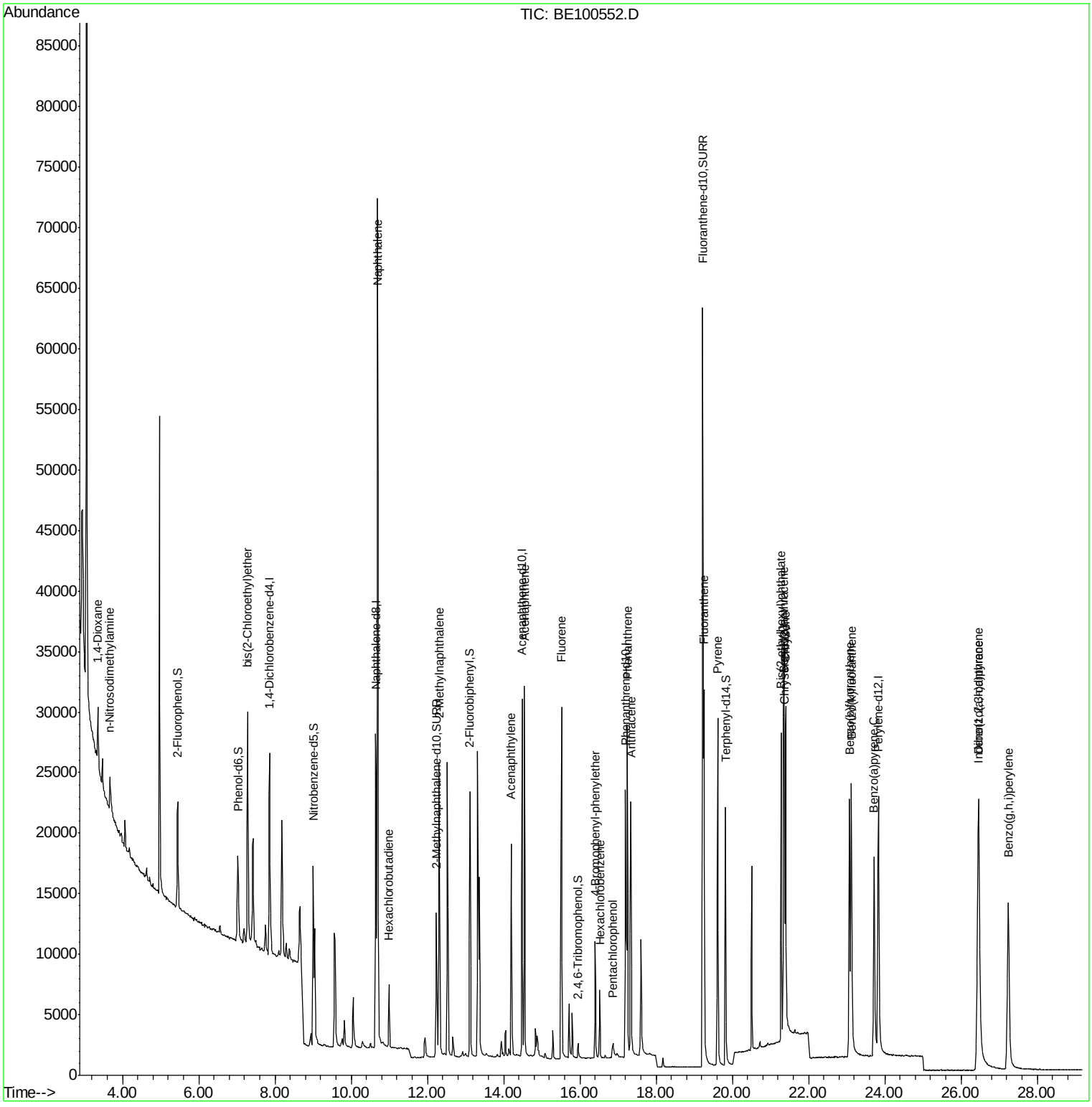
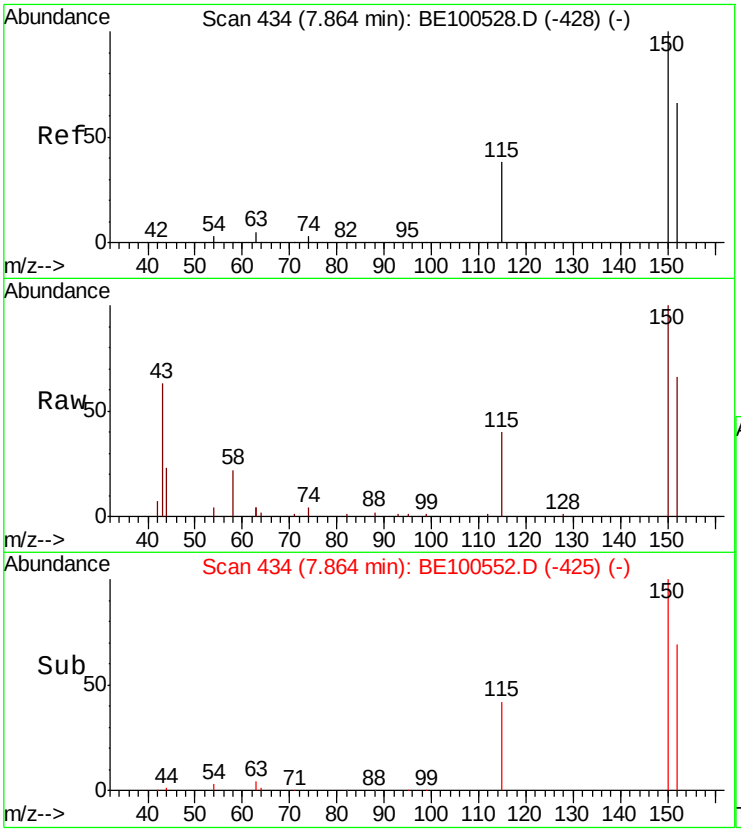
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Quant Time: Sep 25 11:51:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE092019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Sep 20 18:26:17 2019
Response via : Initial Calibration



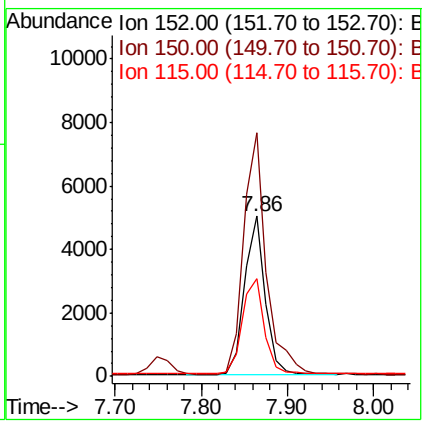


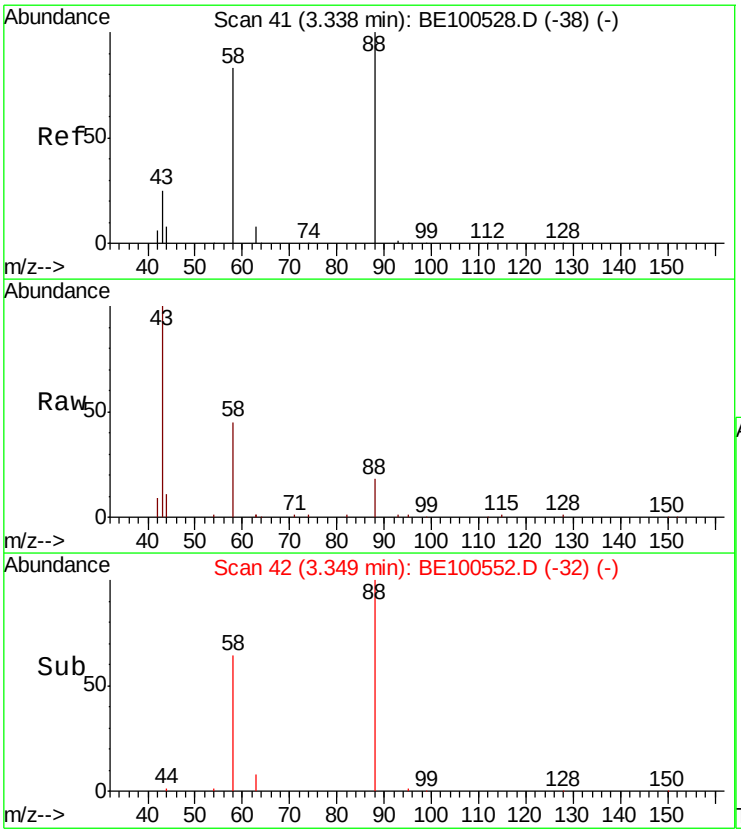
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:152 Resp: 8336

Ion	Ratio	Lower	Upper
152	100		
150	152.4	121.6	182.4
115	61.2	48.2	72.4

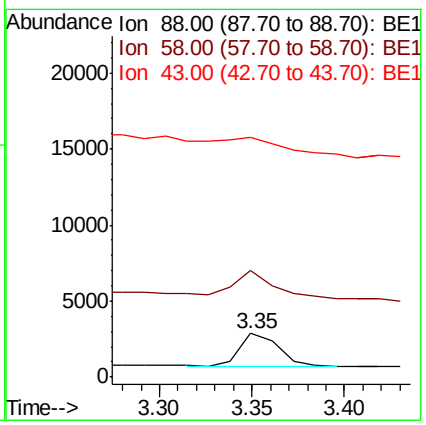


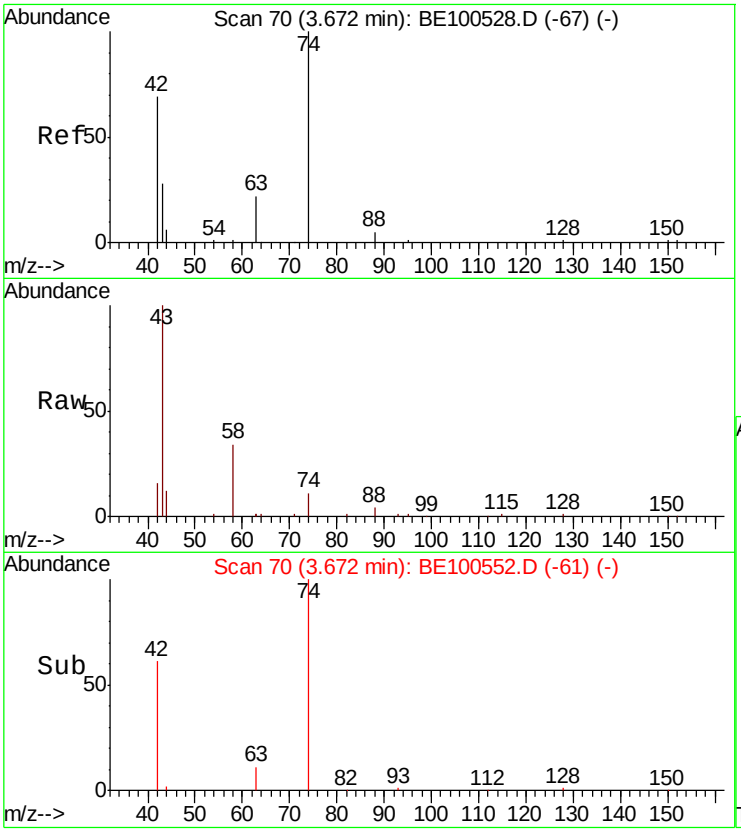


#2
1,4-Dioxane
Concen: 0.271 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.01 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion: 88 Resp: 3263

Ion	Ratio	Lower	Upper
88	100		
58	87.3	53.3	79.9#
43	0.0	16.9	25.3#



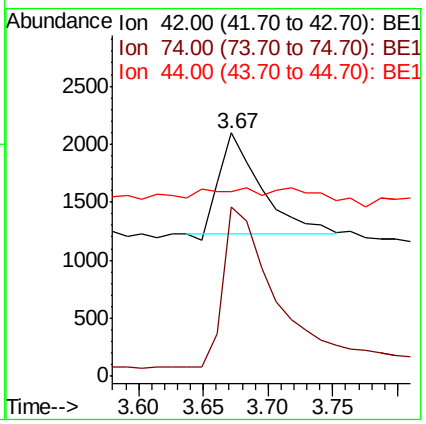


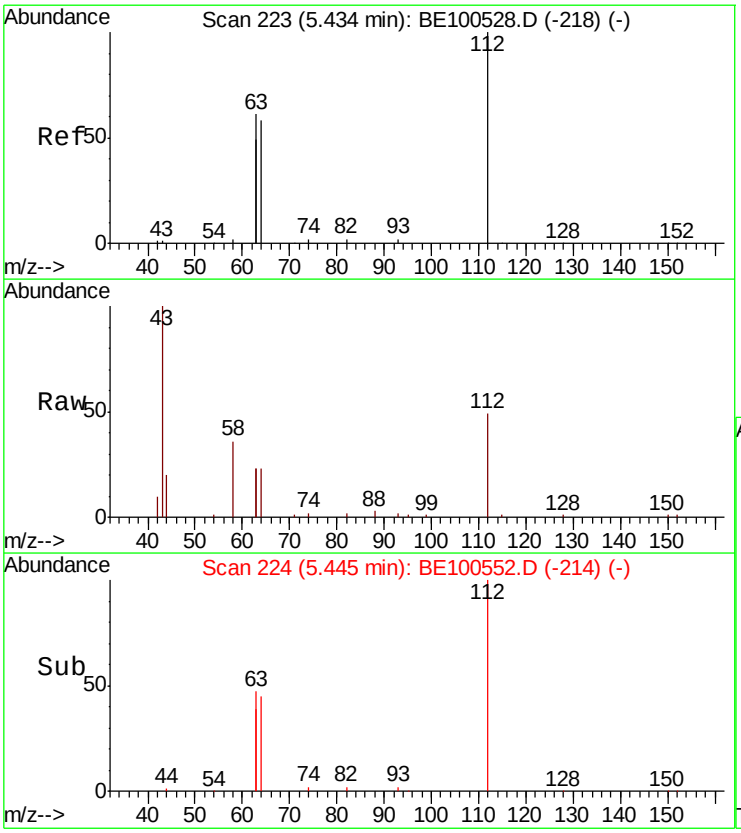
#3
n-Nitrosodimethylamine
Concen: 0.277 ng
RT: 3.67 min Scan# 70
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion: 42 Resp: 1956

Ion	Ratio	Lower	Upper
42	100		
74	196.6	133.8	200.6
44	10.9	6.4	9.6#

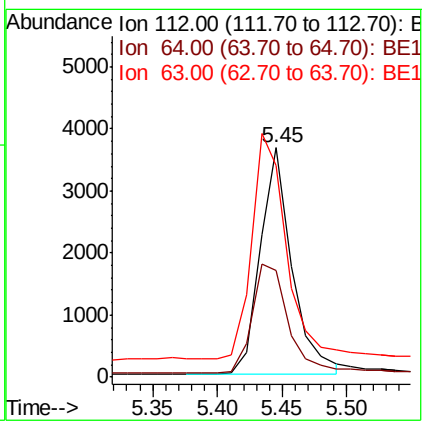


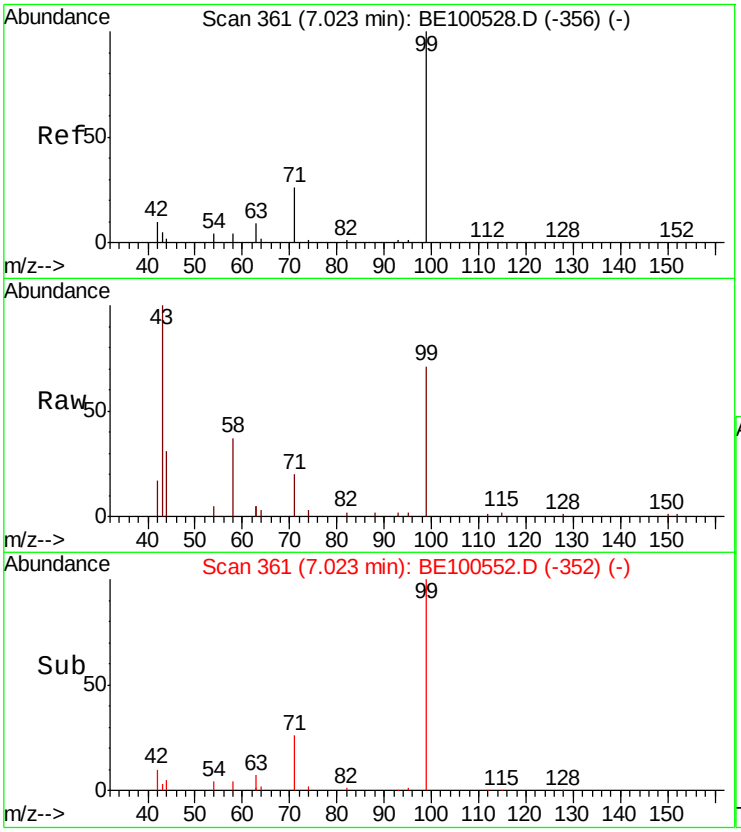


#4
2-Fluorophenol
Concen: 0.319 ng
RT: 5.45 min Scan# 224
Delta R.T. 0.01 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:112 Resp: 6231

Ion	Ratio	Lower	Upper
112	100		
64	55.0	44.1	66.1
63	109.0	86.5	129.7



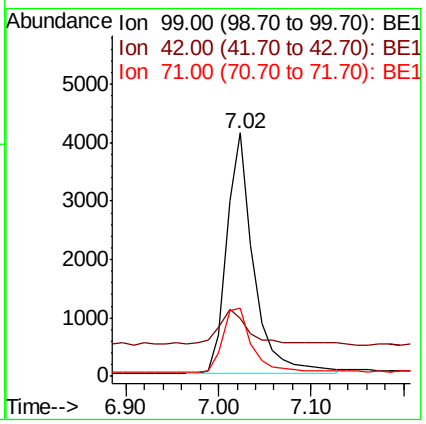


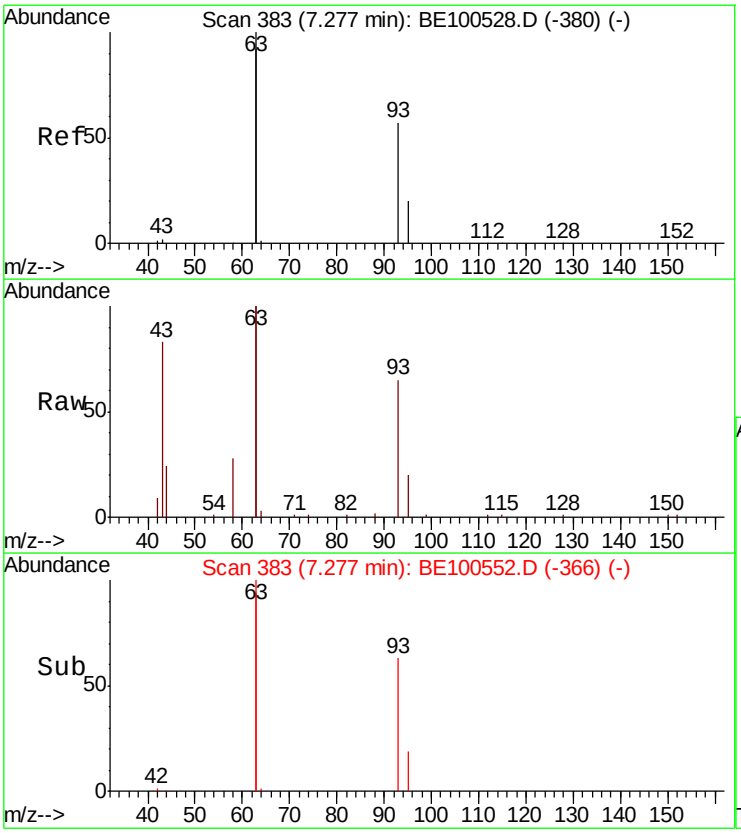
#5
Phenol-d6
Concen: 0.310 ng
RT: 7.02 min Scan# 361
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion: 99 Resp: 8284

Ion	Ratio	Lower	Upper
99	100		
42	14.2	13.0	19.6
71	28.9	23.4	35.0

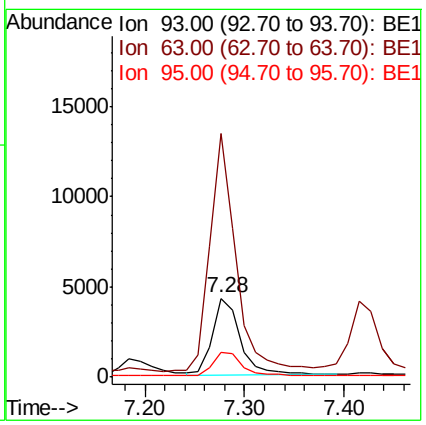


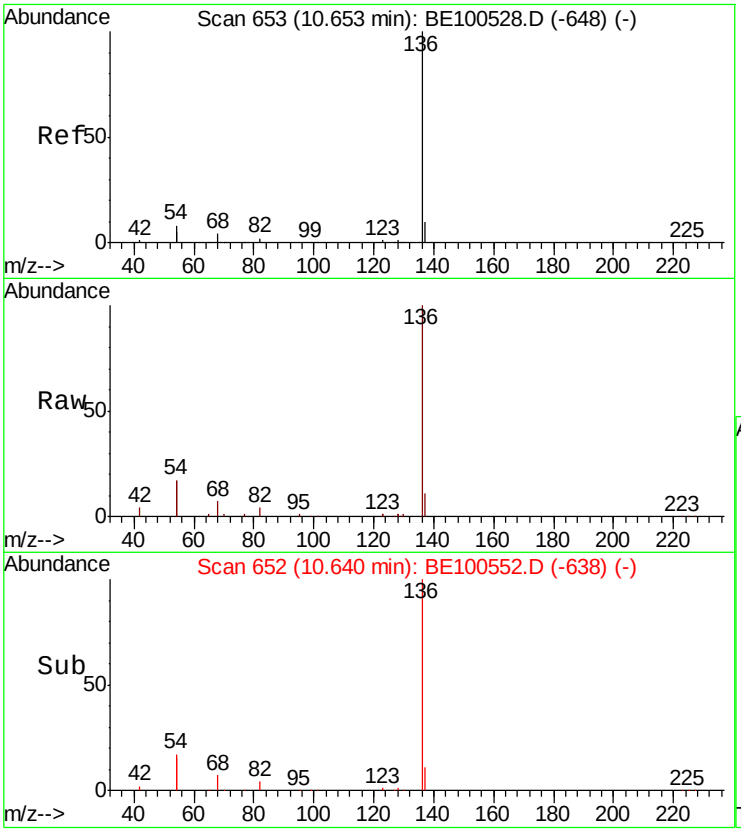


#6
bis(2-Chloroethyl)ether
Concen: 0.302 ng
RT: 7.28 min Scan# 383
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion: 93 Resp: 8163

Ion	Ratio	Lower	Upper
93	100		
63	290.3	213.4	320.0
95	32.2	23.7	35.5



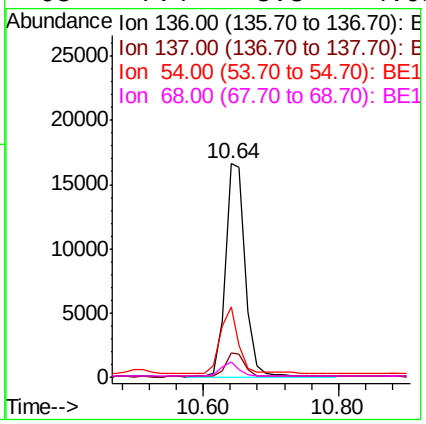


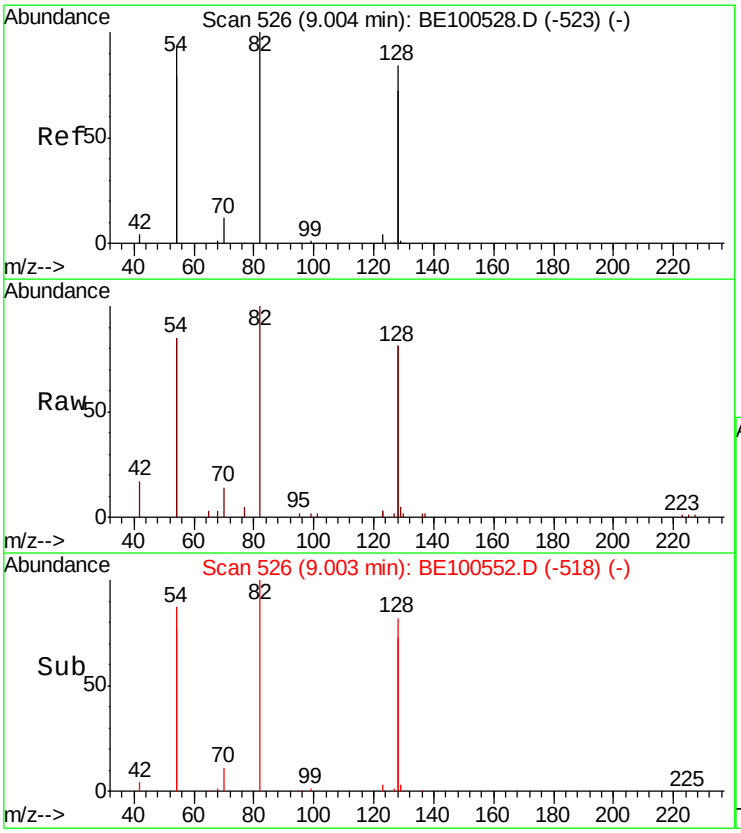
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.01 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:136 Resp: 34651

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.6	13.0
54	33.0	12.4	18.6#
68	7.4	3.3	4.9#

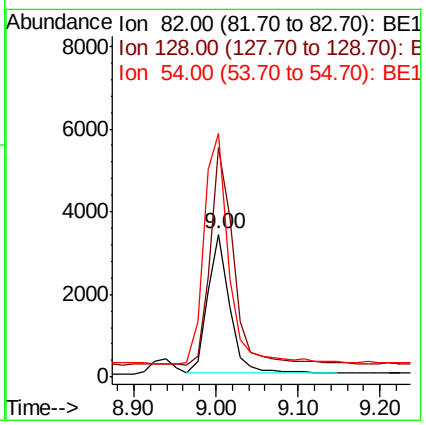


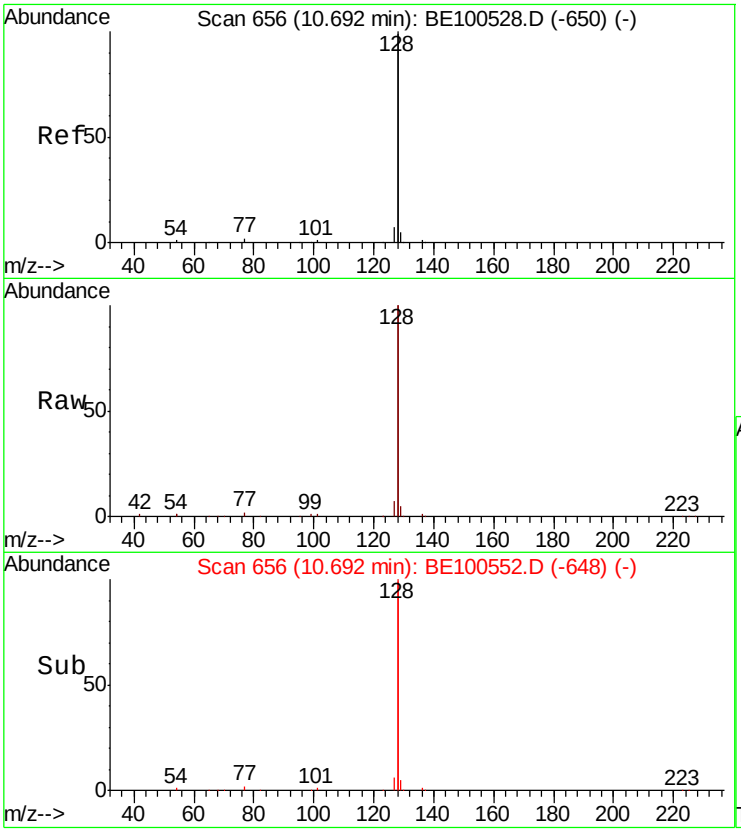


#8
Nitrobenzene-d5
Concen: 0.310 ng
RT: 9.00 min Scan# 526
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion: 82 Resp: 6198

Ion	Ratio	Lower	Upper
82	100		
128	161.1	129.4	194.2
54	170.4	143.3	214.9



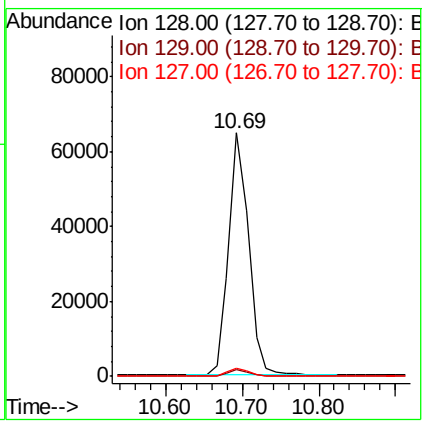


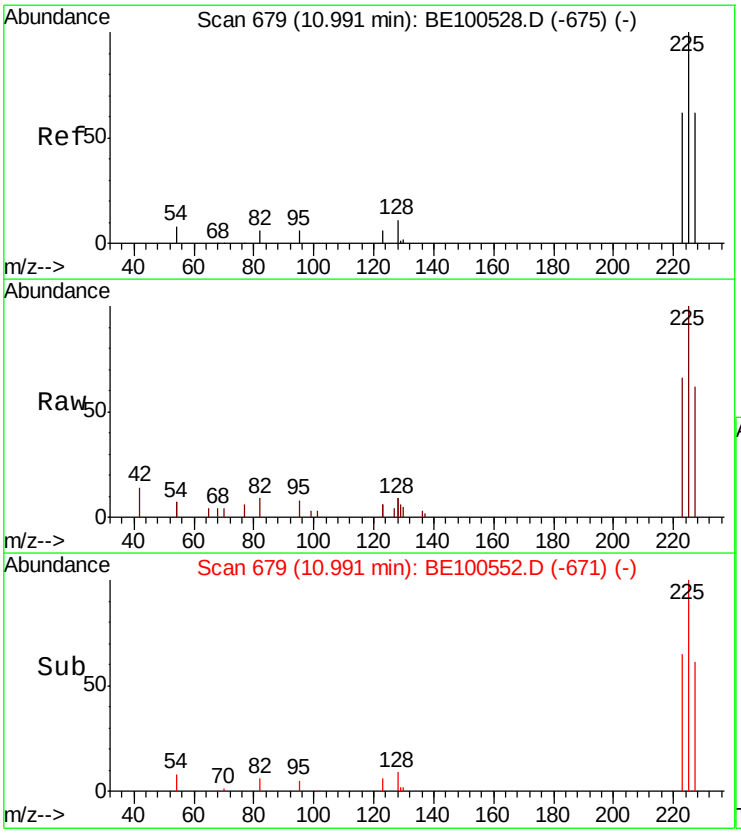
#9
Naphthalene
Concen: 0.330 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:128 Resp: 118410

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

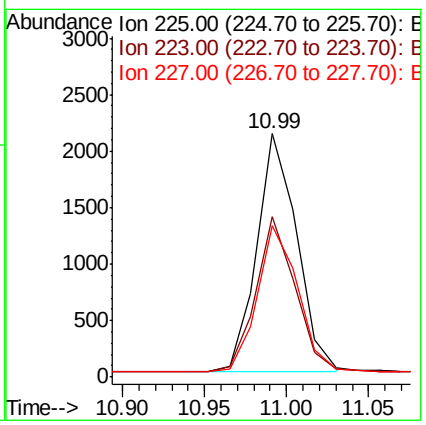


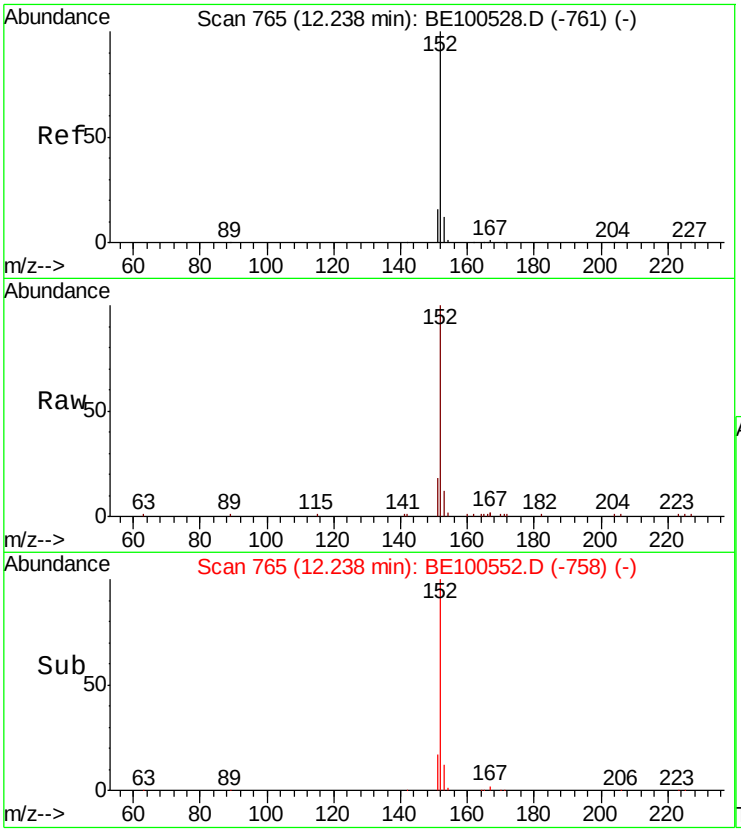


#10
Hexachlorobutadiene
Concen: 0.313 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:225 Resp: 3596

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.7	74.5
227	62.2	51.4	77.2



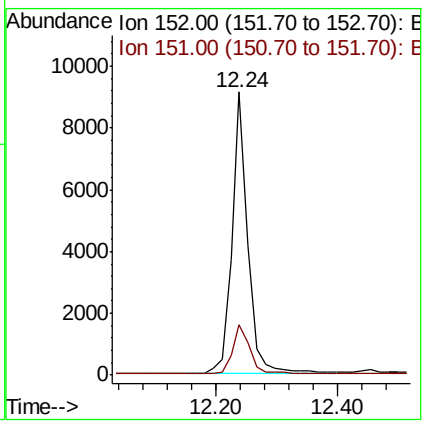


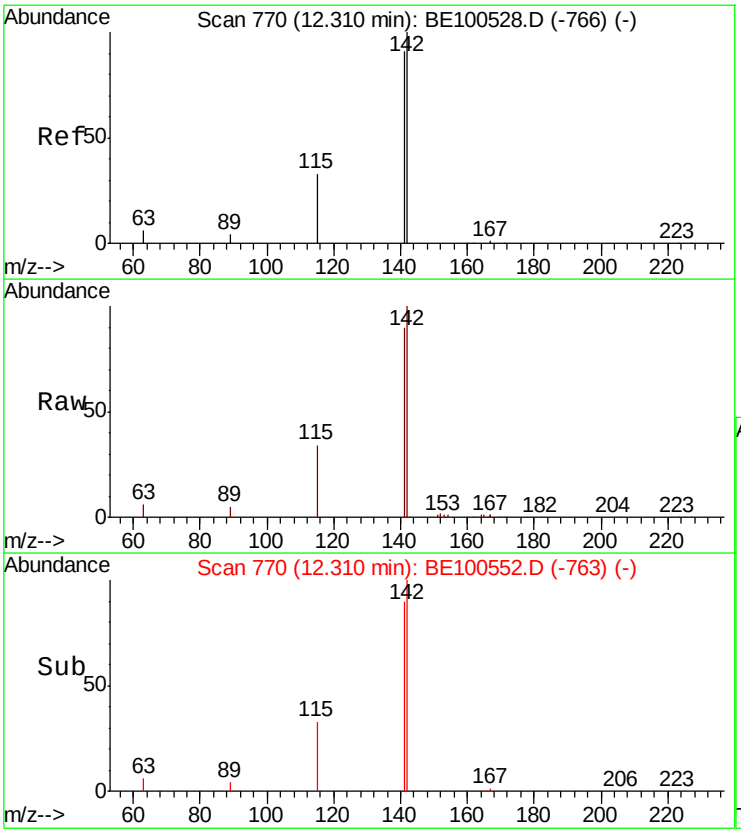
#11
2-Methylnaphthalene-d10
Concen: 0.324 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:152 Resp: 16772

Ion	Ratio	Lower	Upper
152	100		
151	18.5	15.3	22.9

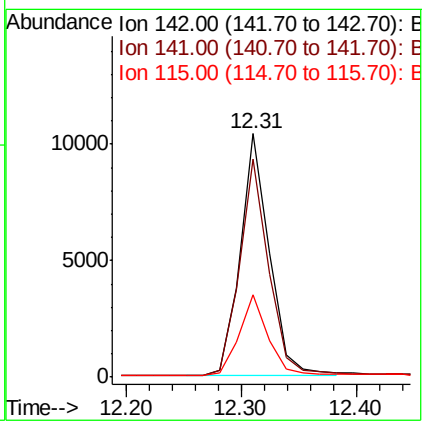


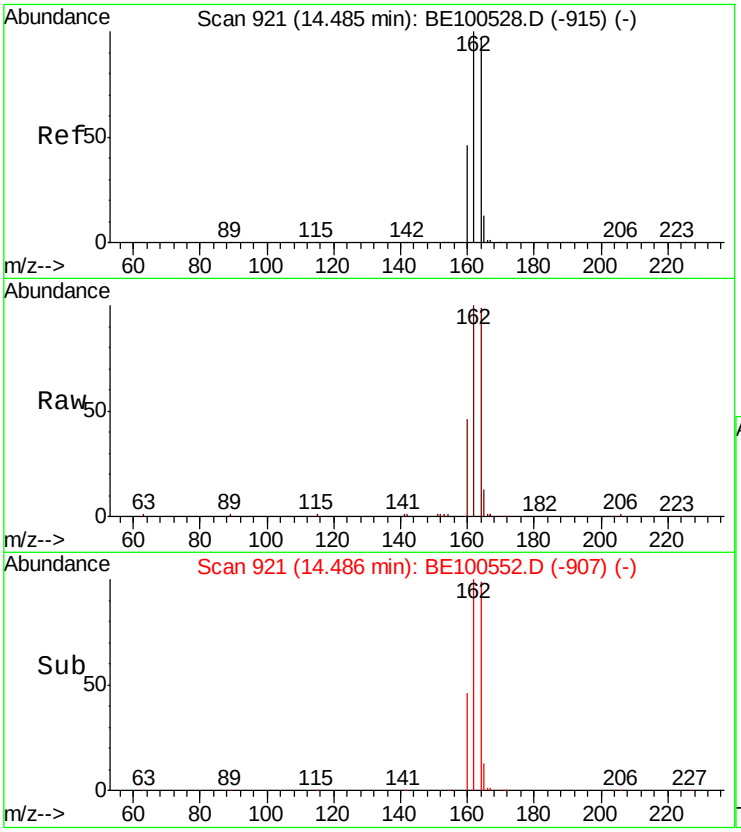


#12
2-Methylnaphthalene
Concen: 0.317 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:142 Resp: 18141

Ion	Ratio	Lower	Upper
142	100		
141	89.6	72.5	108.7
115	33.7	27.2	40.8



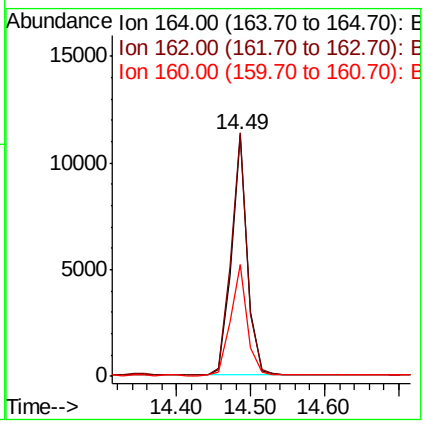


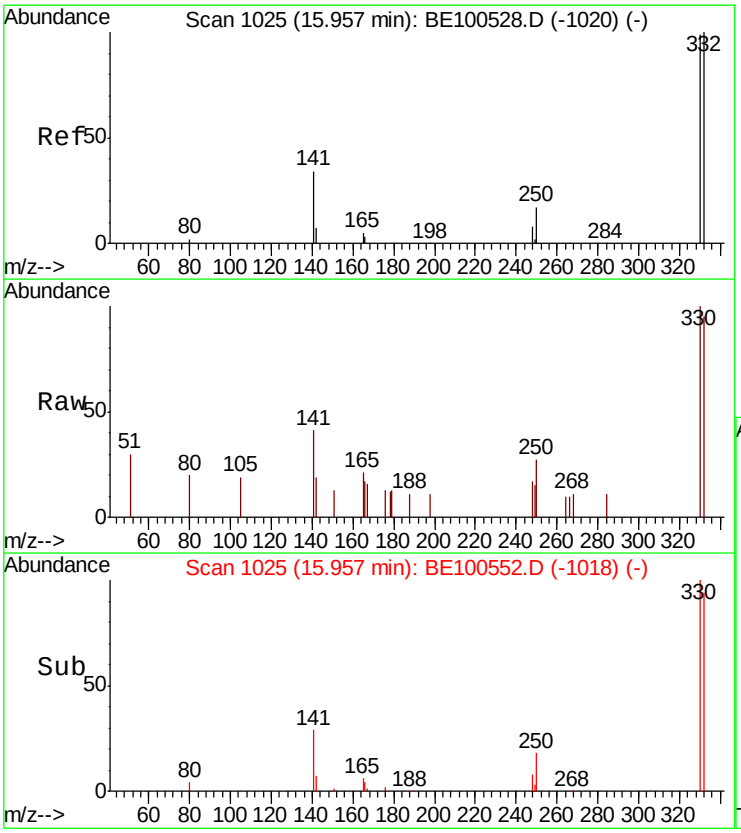
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:164 Resp: 16935

Ion	Ratio	Lower	Upper
164	100		
162	101.0	82.1	123.1
160	46.3	37.6	56.4

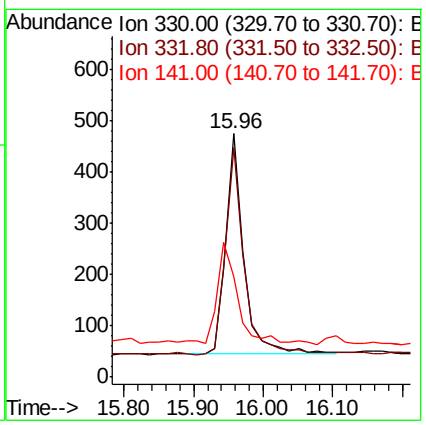


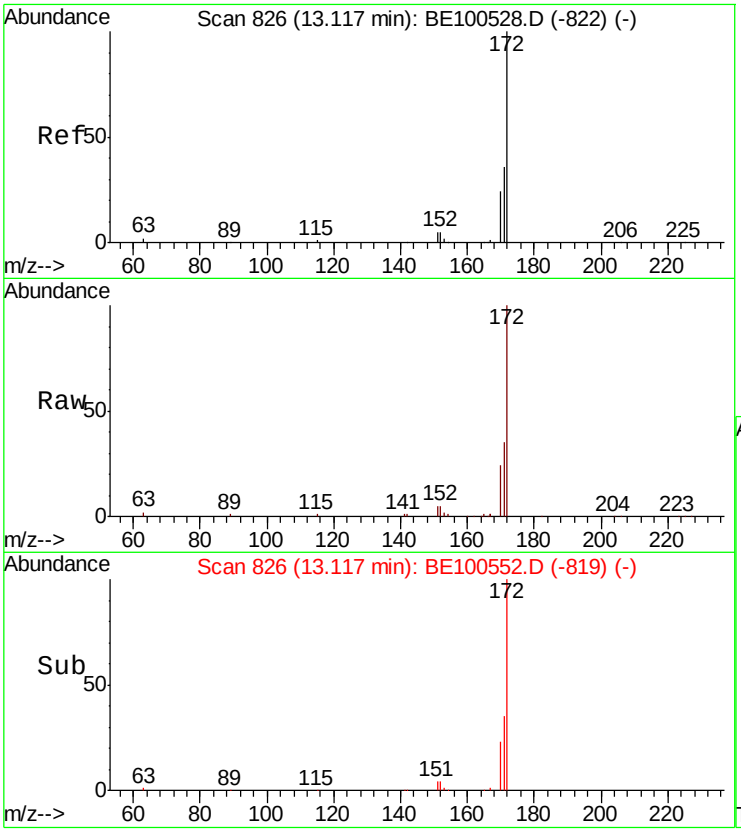


#14
2,4,6-Tribromophenol
Concen: 0.276 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:330 Resp: 757

Ion	Ratio	Lower	Upper
330	100		
332	98.4	75.5	113.3
141	54.2	42.3	63.5



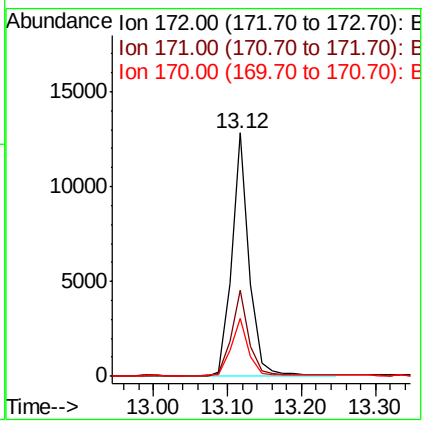


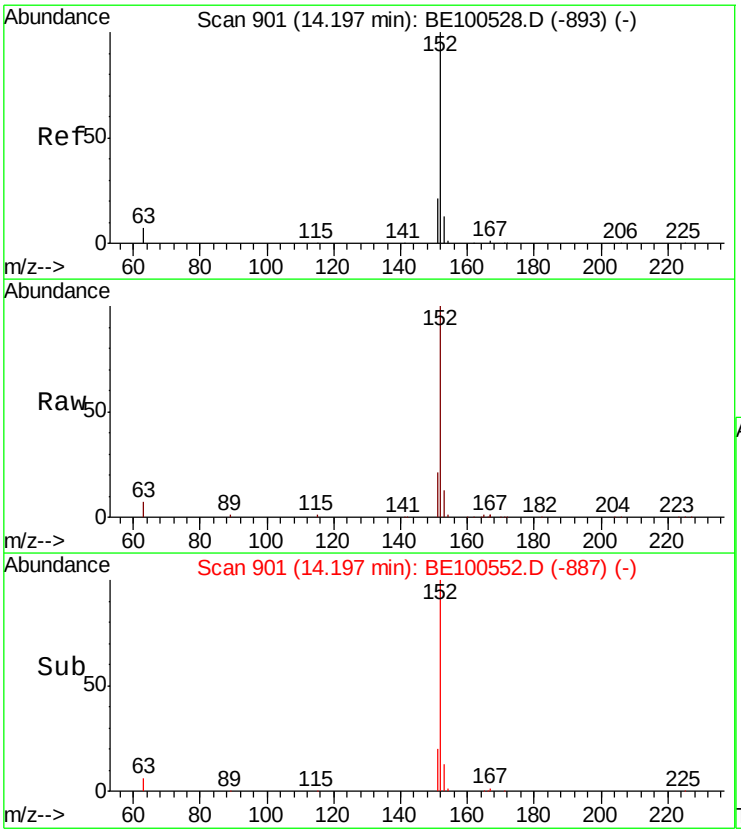
#15
2-Fluorobiphenyl
Concen: 0.341 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:172 Resp: 20612

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.8	43.2
170	23.6	19.4	29.0

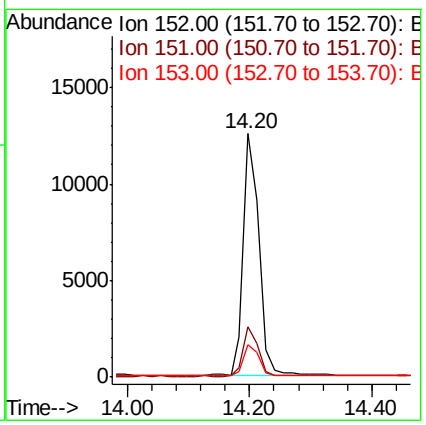


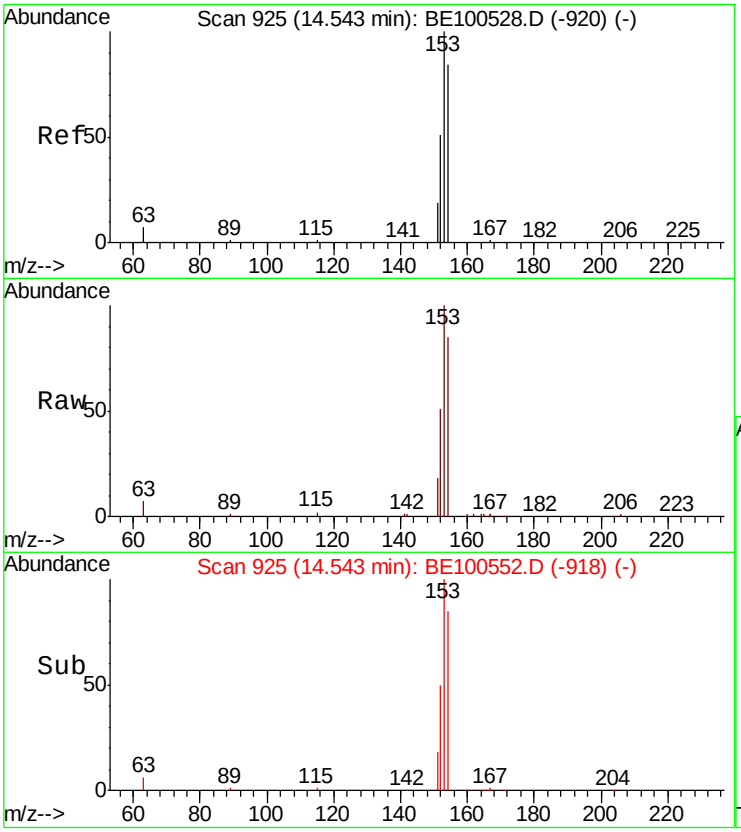


#16
Acenaphthylene
Concen: 0.324 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:152 Resp: 22606

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	12.8	10.7	16.1



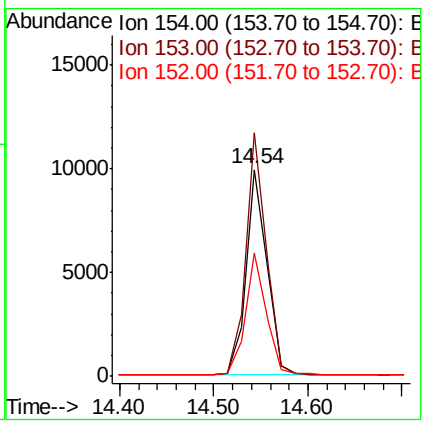


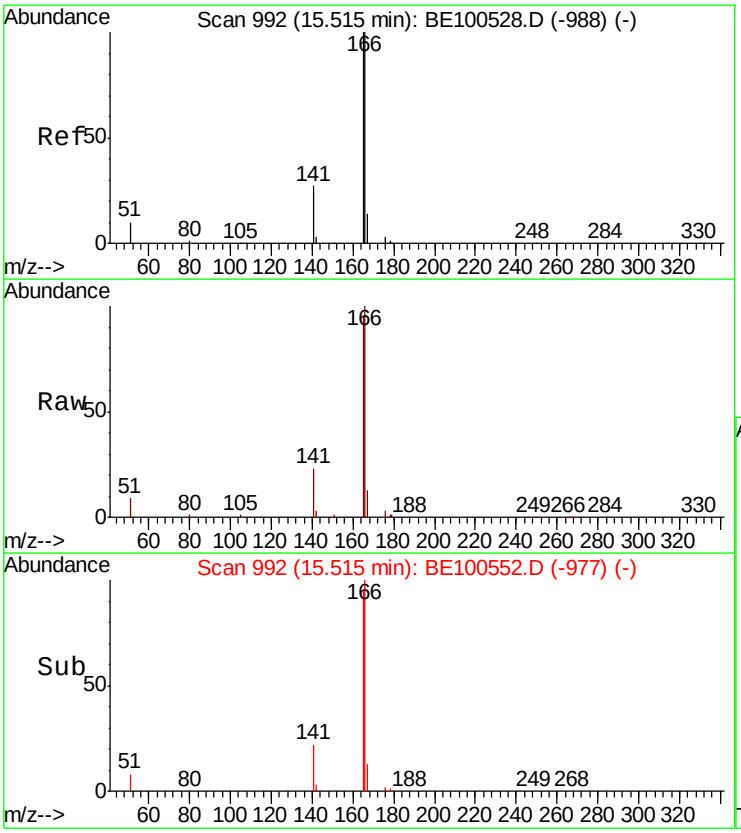
#17
Acenaphthene
Concen: 0.323 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:154 Resp: 15195

Ion	Ratio	Lower	Upper
154	100		
153	117.1	93.7	140.5
152	59.2	47.3	70.9

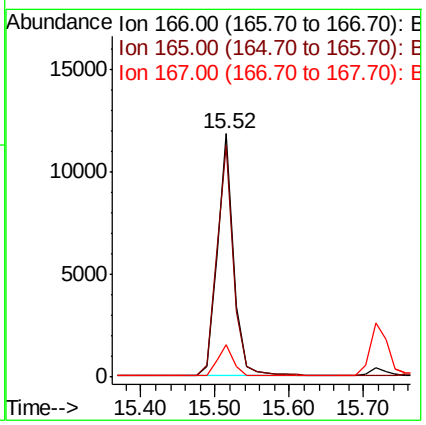


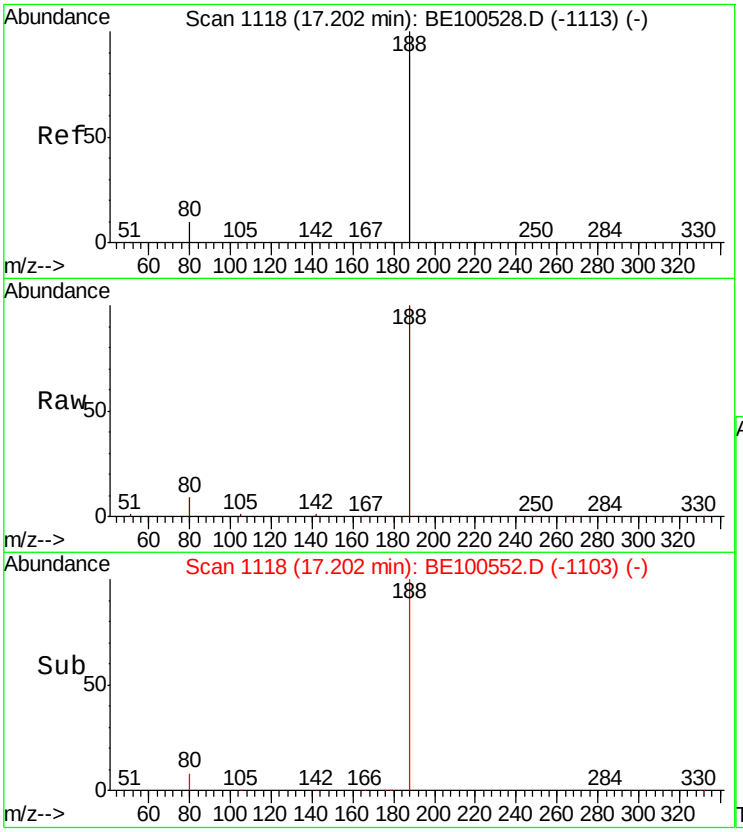


#18
Fluorene
Concen: 0.311 ng
RT: 15.52 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:166 Resp: 18308

Ion	Ratio	Lower	Upper
166	100		
165	97.8	80.1	120.1
167	13.2	10.9	16.3



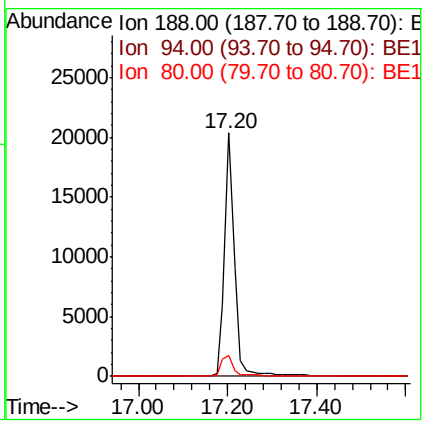


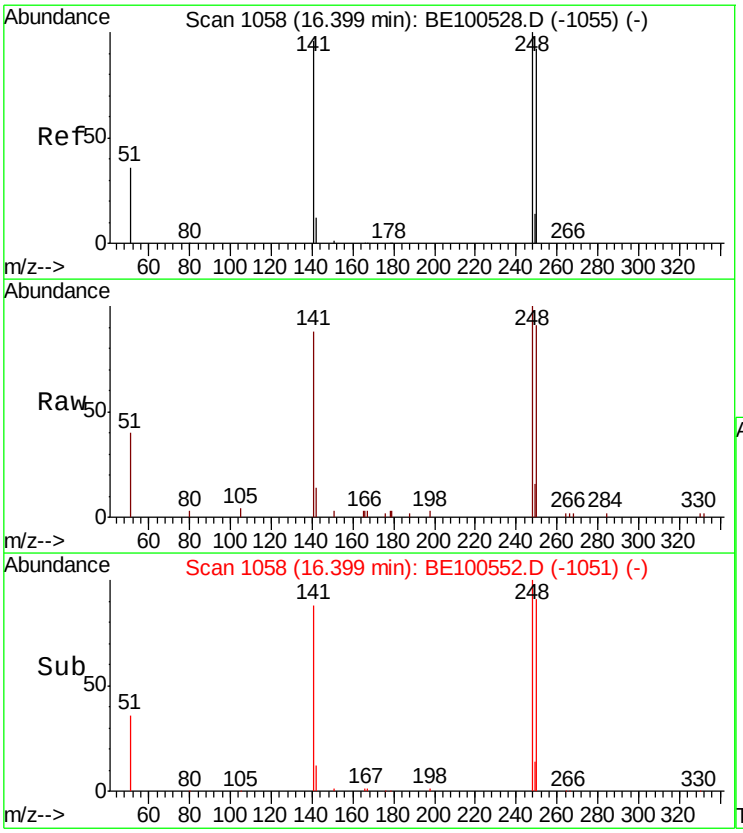
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:188 Resp: 31000

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	8.0	12.0

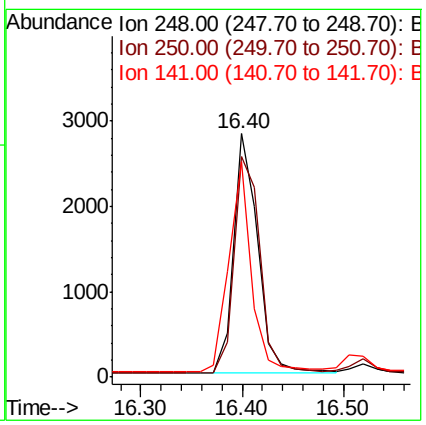


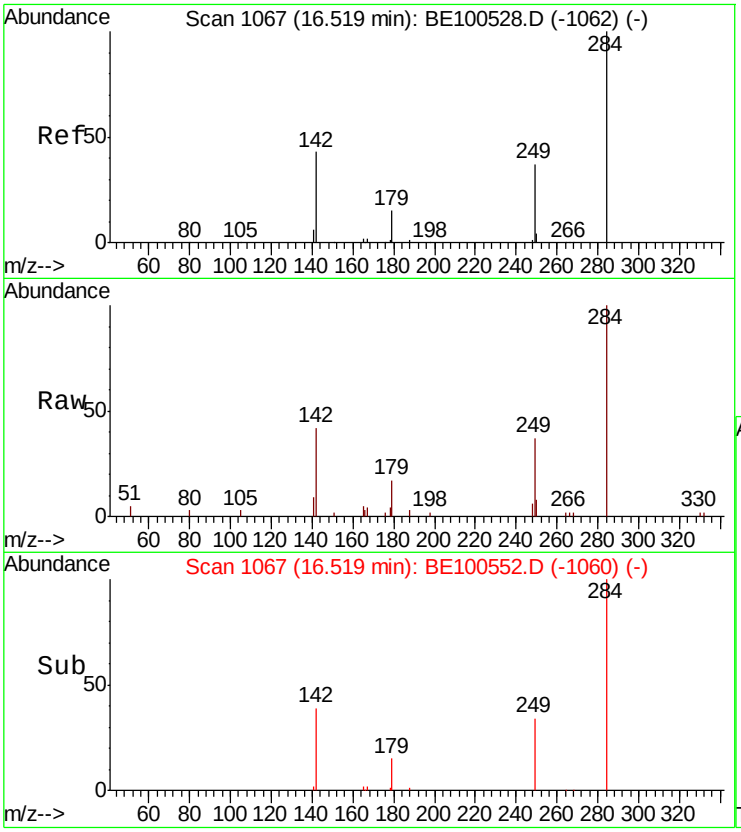


#20
4-Bromophenyl-phenylether
Concen: 0.320 ng
RT: 16.40 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:248 Resp: 4667

Ion	Ratio	Lower	Upper
248	100		
250	90.8	73.5	110.3
141	88.4	77.0	115.4



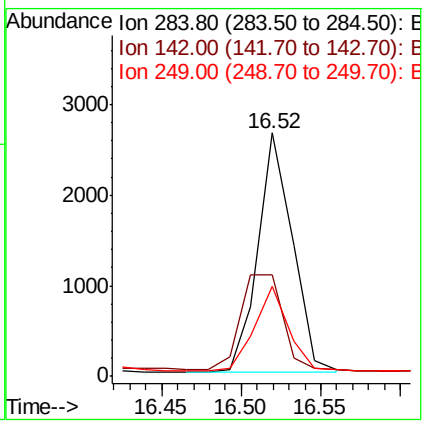


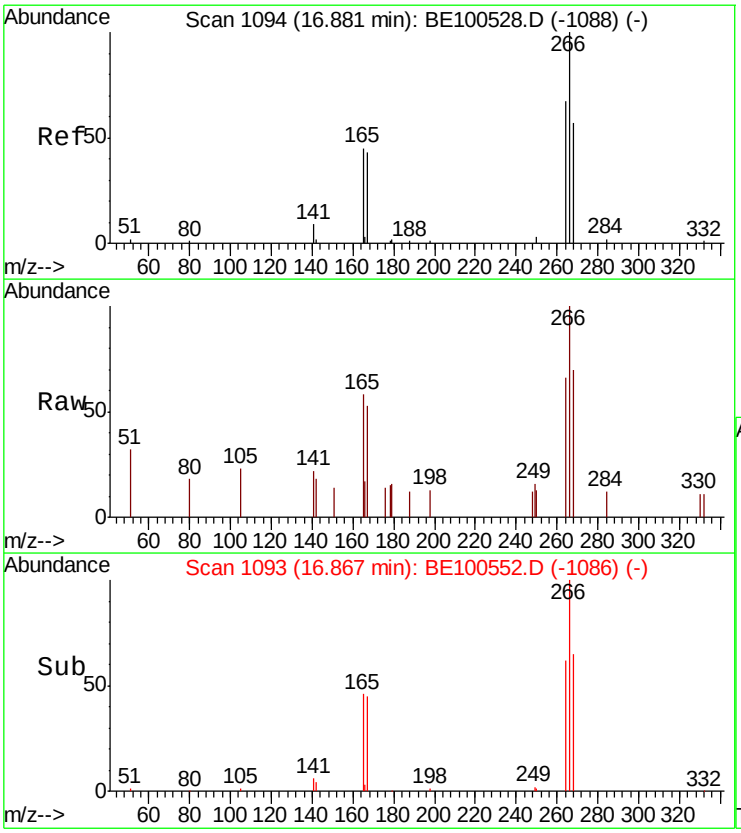
#21
Hexachlorobenzene
Concen: 0.311 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:284 Resp: 3946

Ion	Ratio	Lower	Upper
284	100		
142	48.0	39.0	58.6
249	34.7	28.2	42.2

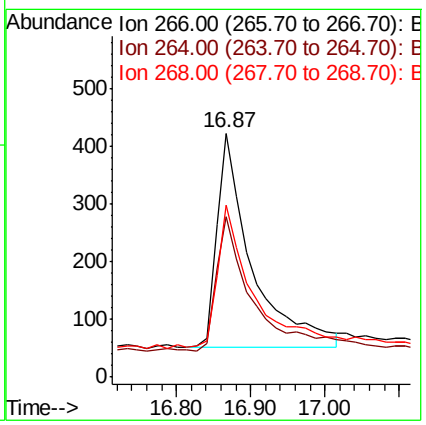


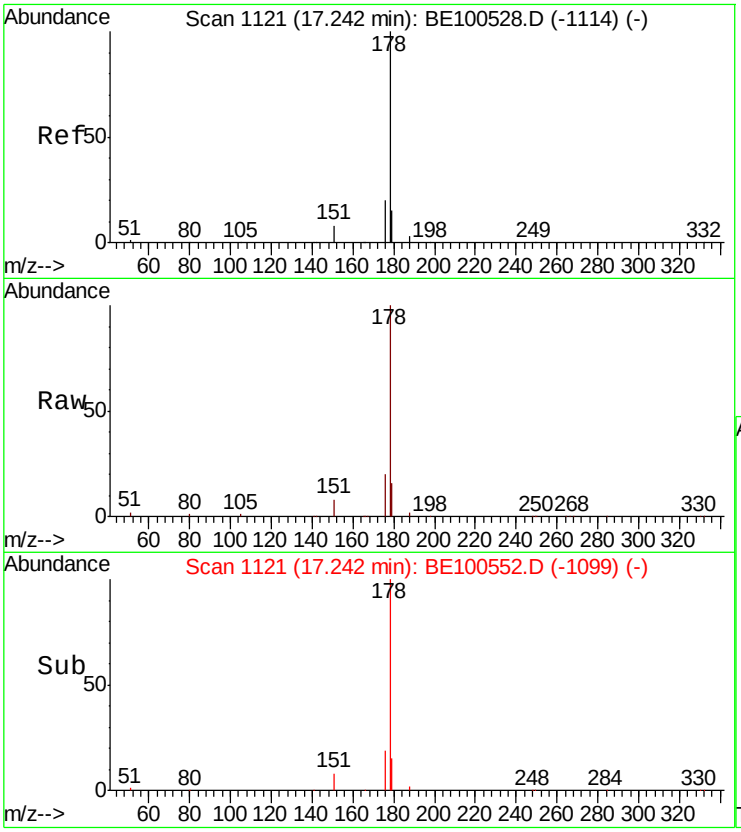


#22
Pentachlorophenol
Concen: 0.572 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:266 Resp: 1222

Ion	Ratio	Lower	Upper
266	100		
264	66.0	57.6	86.4
268	70.4	55.1	82.7



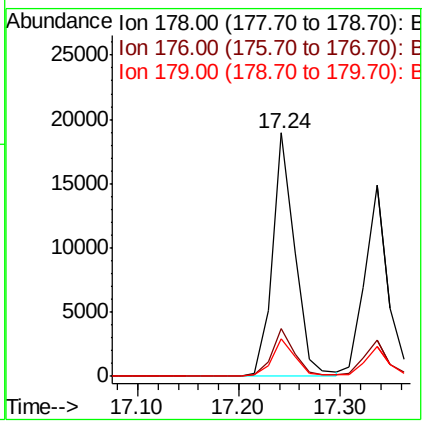


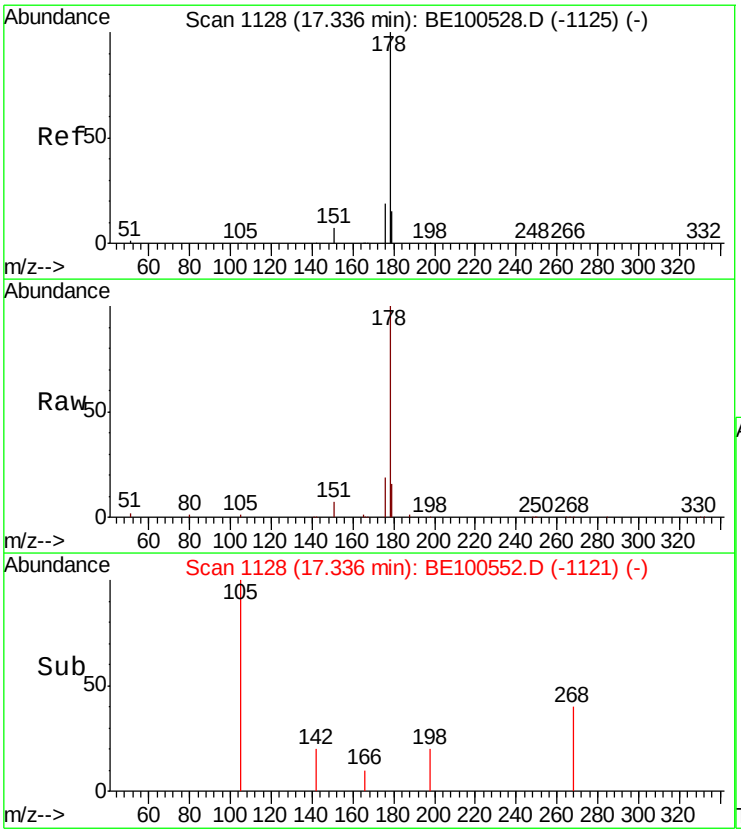
#23
Phenanthrene
Concen: 0.330 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:178 Resp: 28547

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.5	12.6	18.8

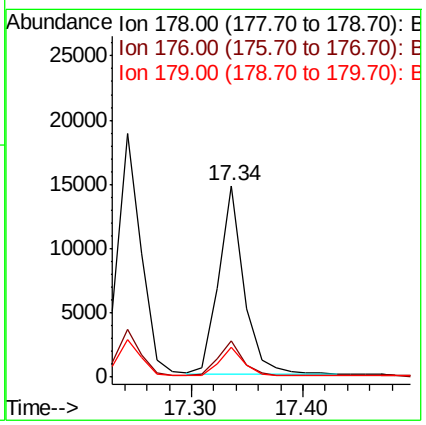


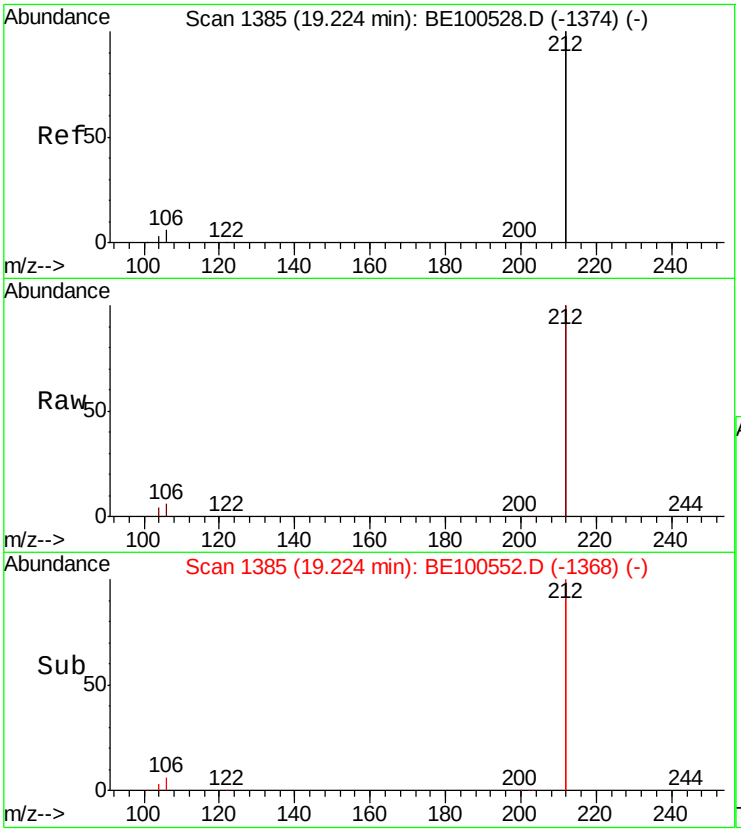


#24
Anthracene
Concen: 0.317 ng
RT: 17.34 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:178 Resp: 23080

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.2	22.8
179	15.1	12.2	18.4



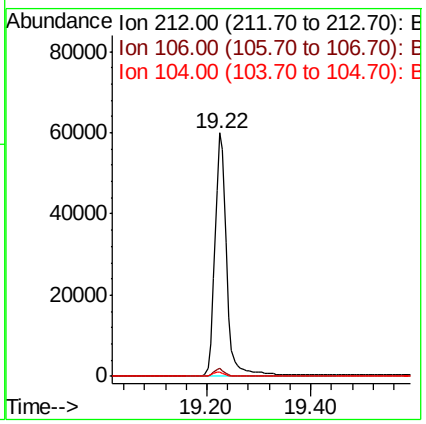


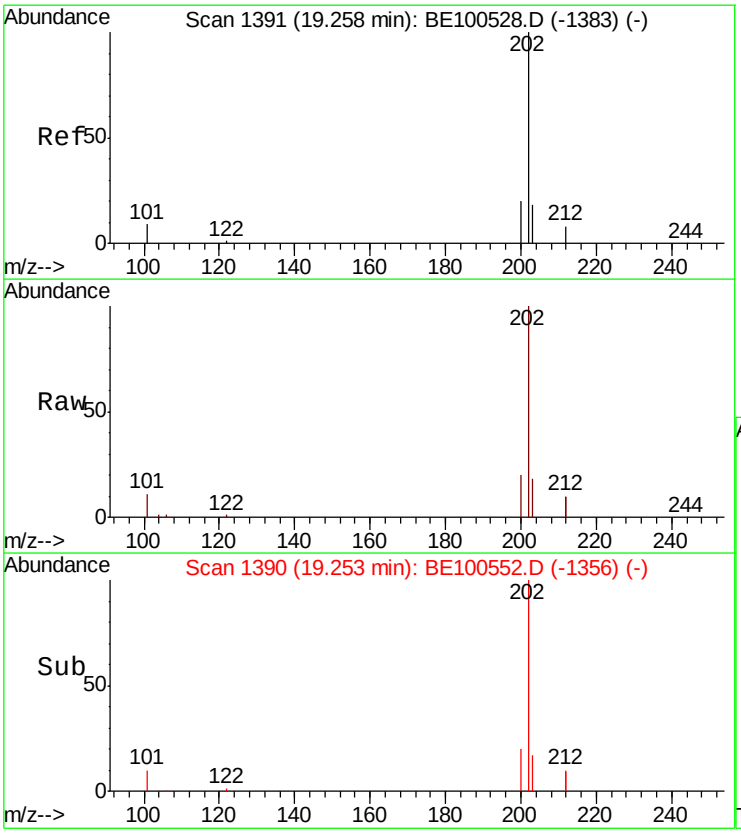
#25
Fluoranthene-d10
Concen: 0.252 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:212 Resp: 92791

Ion	Ratio	Lower	Upper
212	100		
106	2.9	2.3	3.5
104	1.7	1.3	1.9

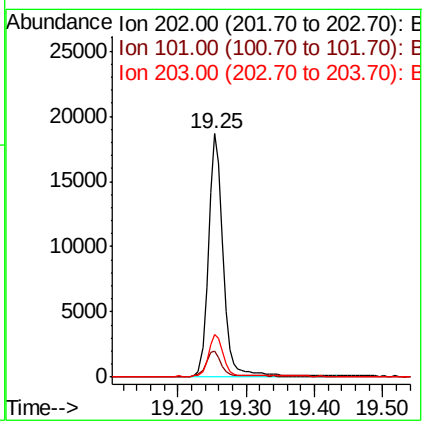


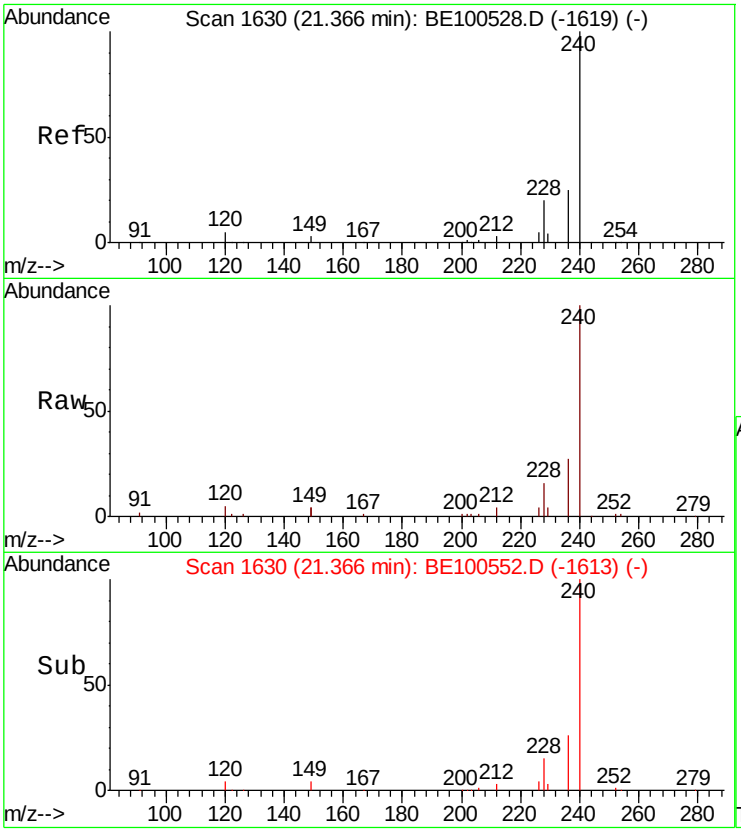


#26
Fluoranthene
Concen: 0.268 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:202 Resp: 27920

Ion	Ratio	Lower	Upper
202	100		
101	10.7	8.8	13.2
203	17.4	13.7	20.5



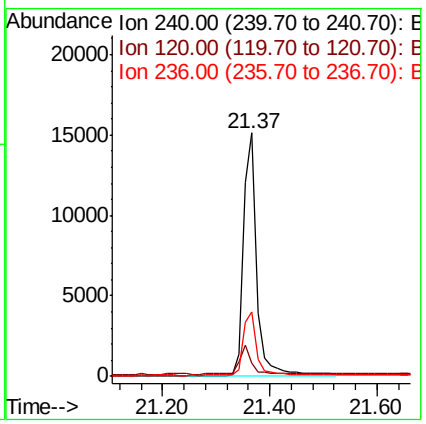


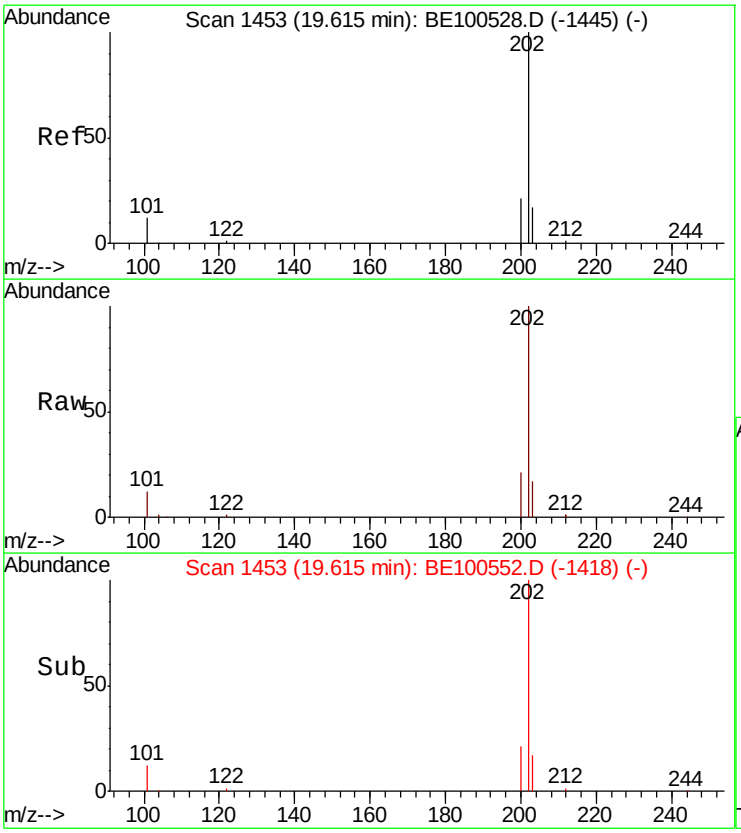
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:240 Resp: 26176

Ion	Ratio	Lower	Upper
240	100		
120	5.3	4.5	6.7
236	26.5	20.6	30.8

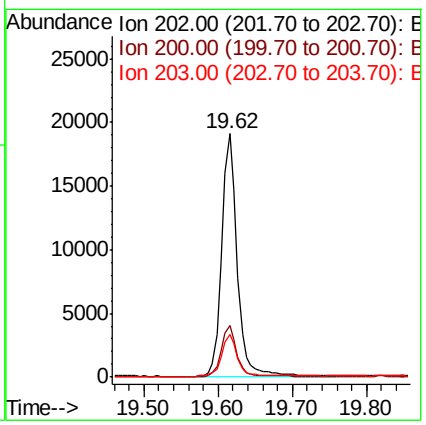


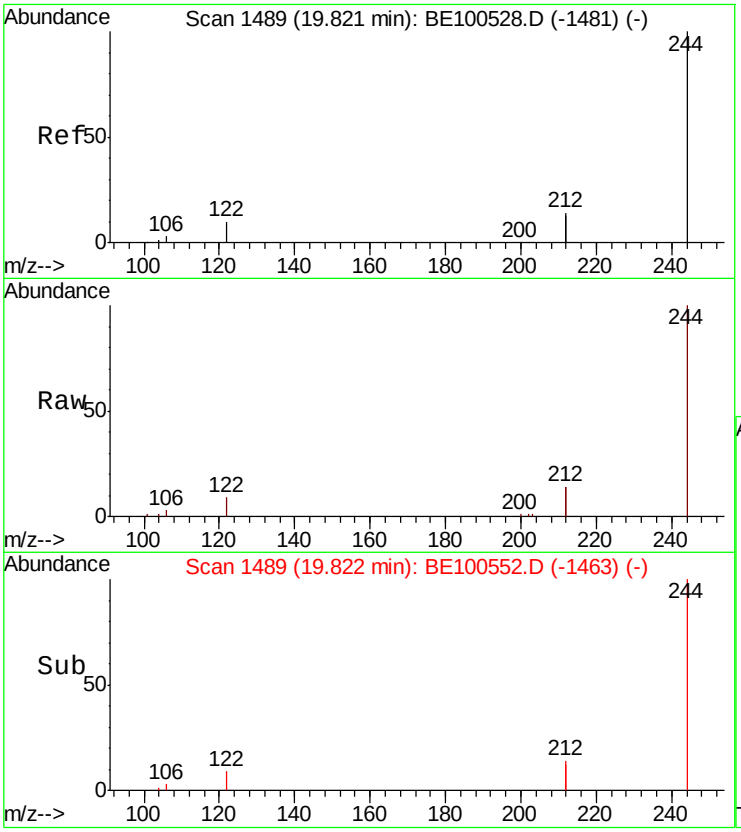


#28
Pyrene
Concen: 0.367 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:202 Resp: 27631

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.6	25.0
203	17.6	14.0	21.0



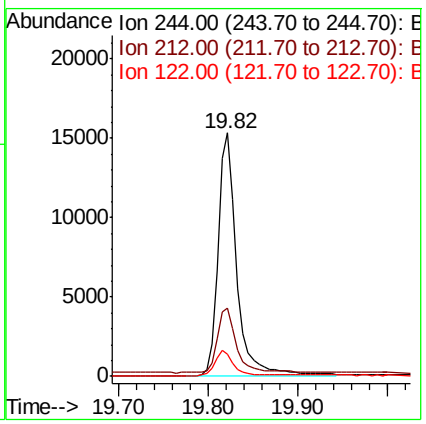


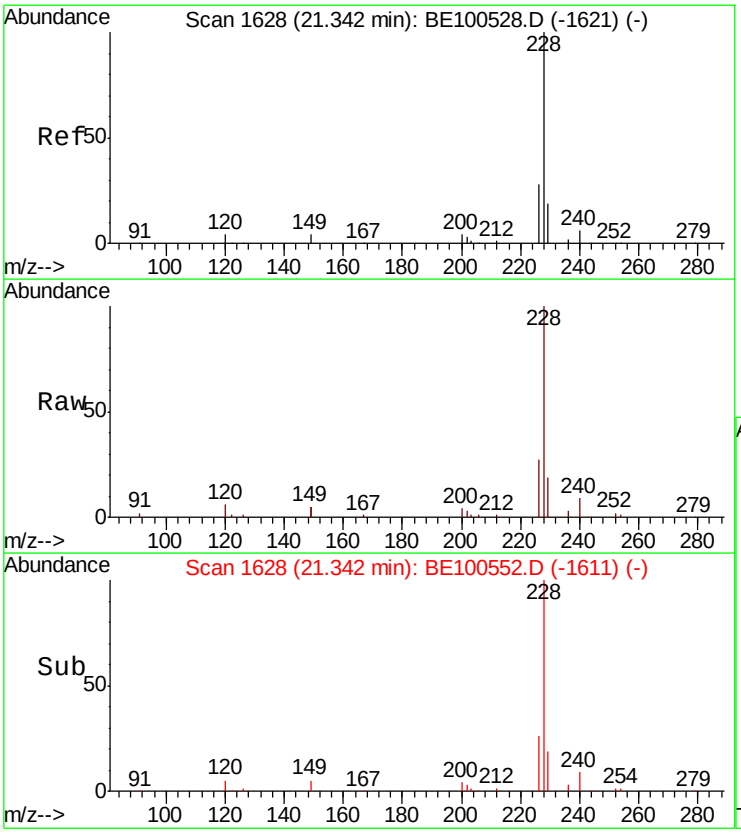
#29
Terphenyl-d14
Concen: 0.354 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:244 Resp: 21947

Ion	Ratio	Lower	Upper
244	100		
212	27.9	22.2	33.2
122	9.2	8.3	12.5

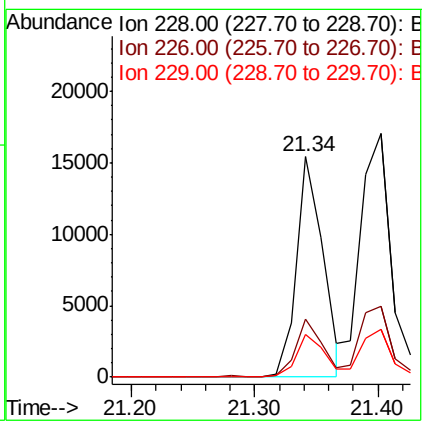


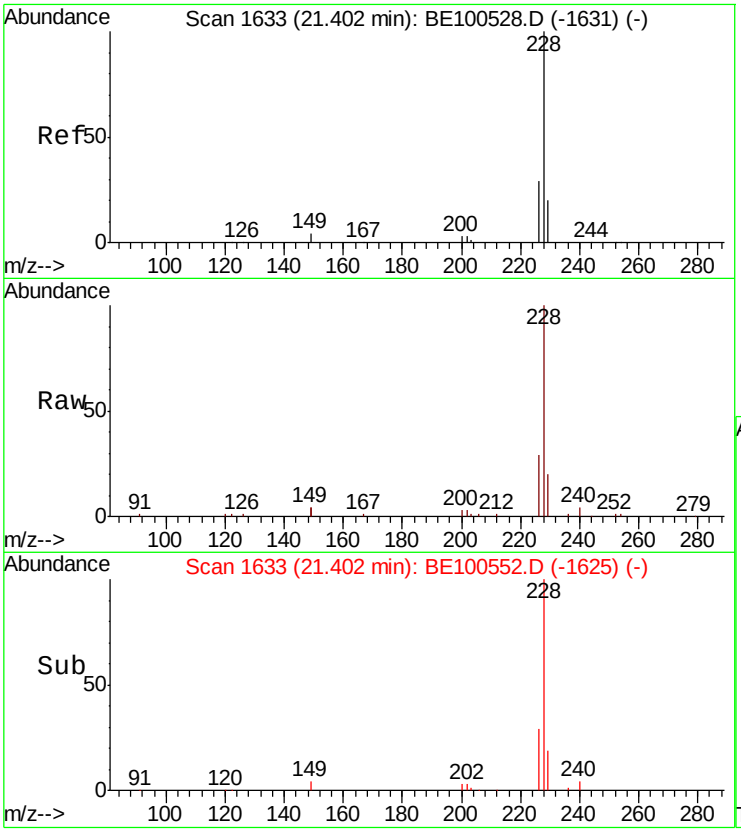


#30
Benzo(a)anthracene
Concen: 0.325 ng
RT: 21.34 min Scan# 1628
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:228 Resp: 22734

Ion	Ratio	Lower	Upper
228	100		
226	26.5	22.5	33.7
229	19.3	15.4	23.2



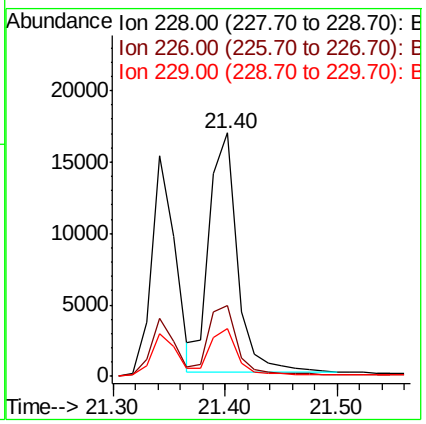


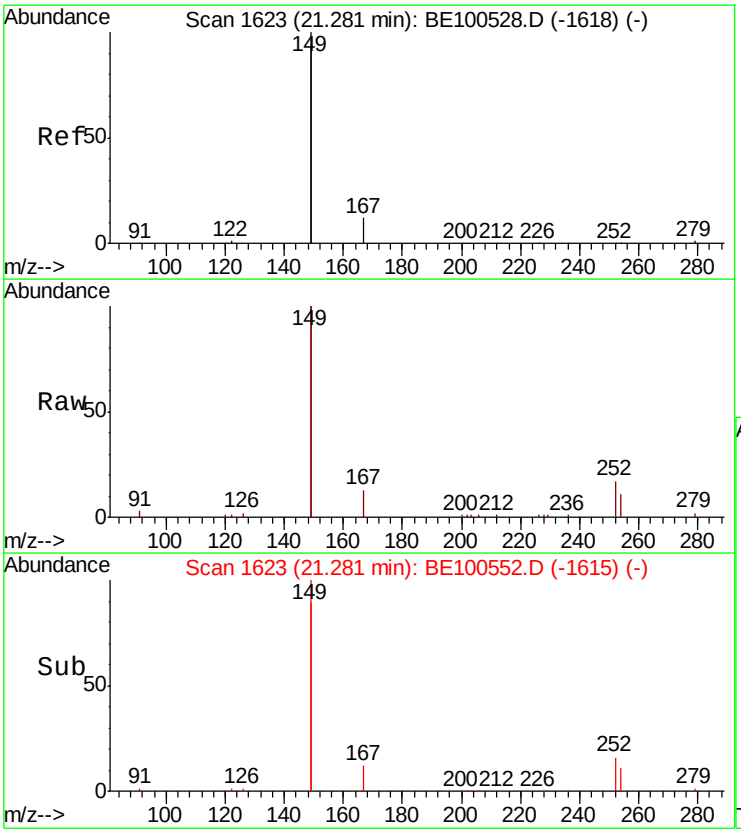
#31
Chrysene
Concen: 0.360 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:228 Resp: 28689

Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.3	34.9
229	19.7	16.3	24.5

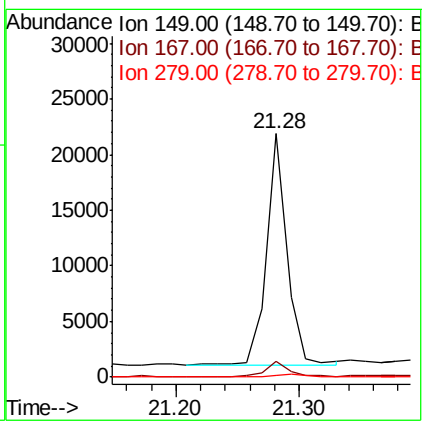


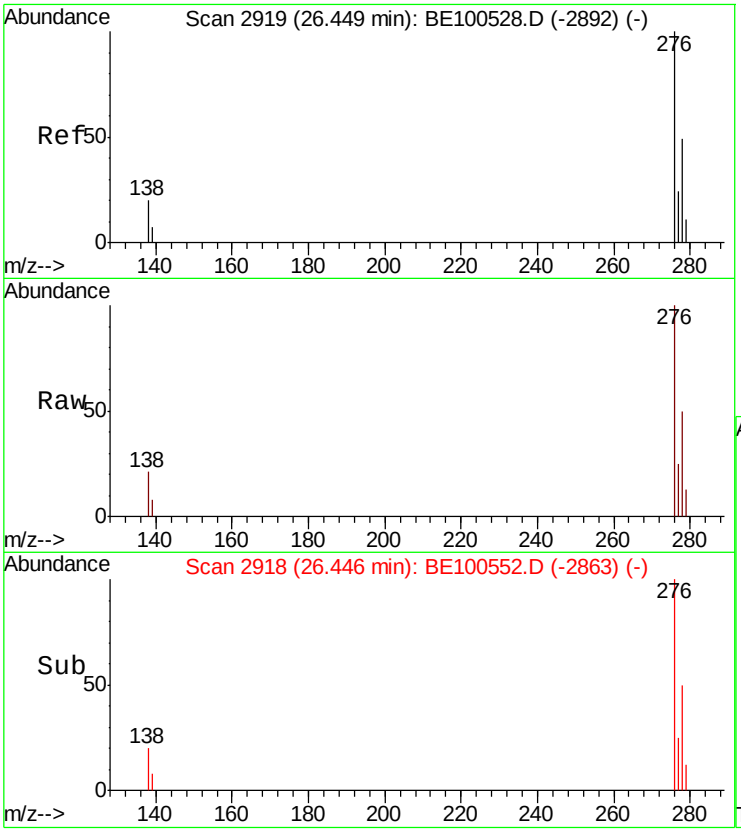


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.319 ng
RT: 21.28 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:149 Resp: 24030

Ion	Ratio	Lower	Upper
149	100		
167	6.4	5.2	7.8
279	1.1	1.0	1.4



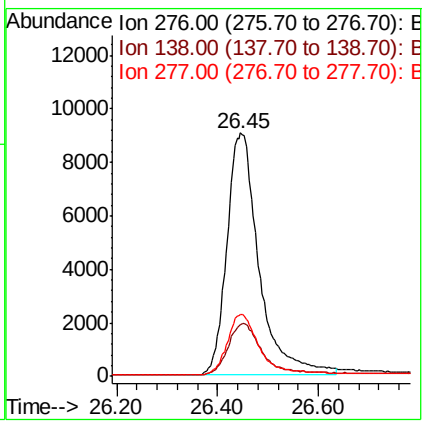


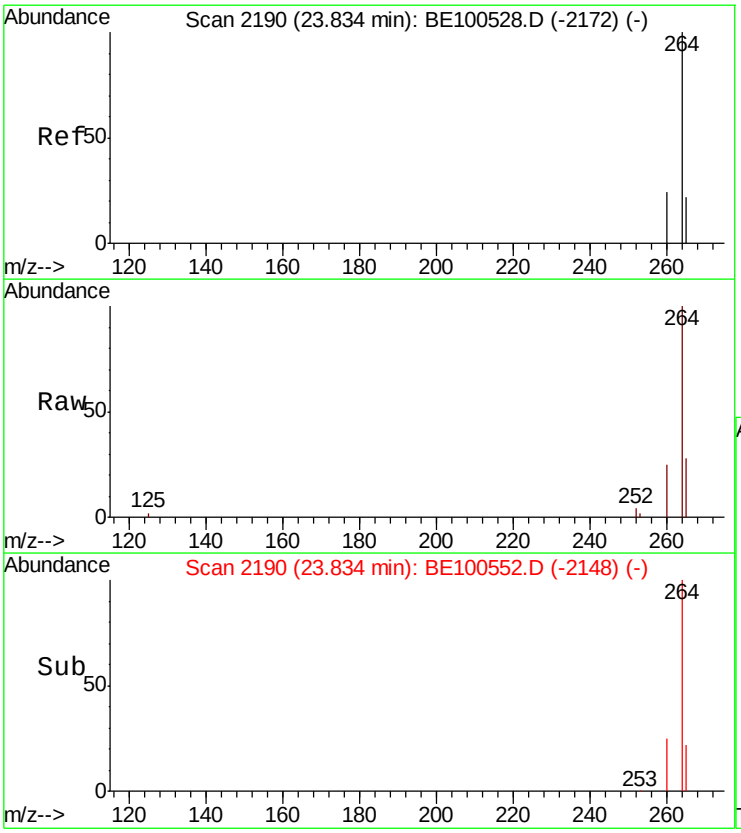
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.454 ng
RT: 26.45 min Scan# 2918
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:276 Resp: 40221

Ion	Ratio	Lower	Upper
276	100		
138	22.3	17.7	26.5
277	24.8	19.9	29.9

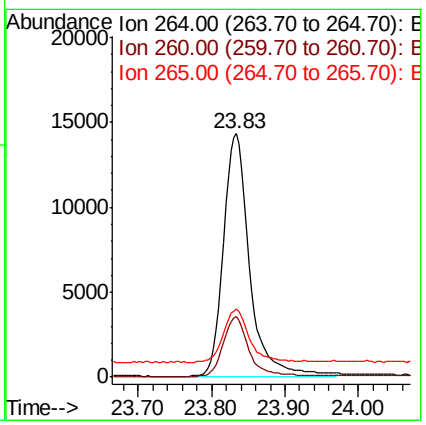


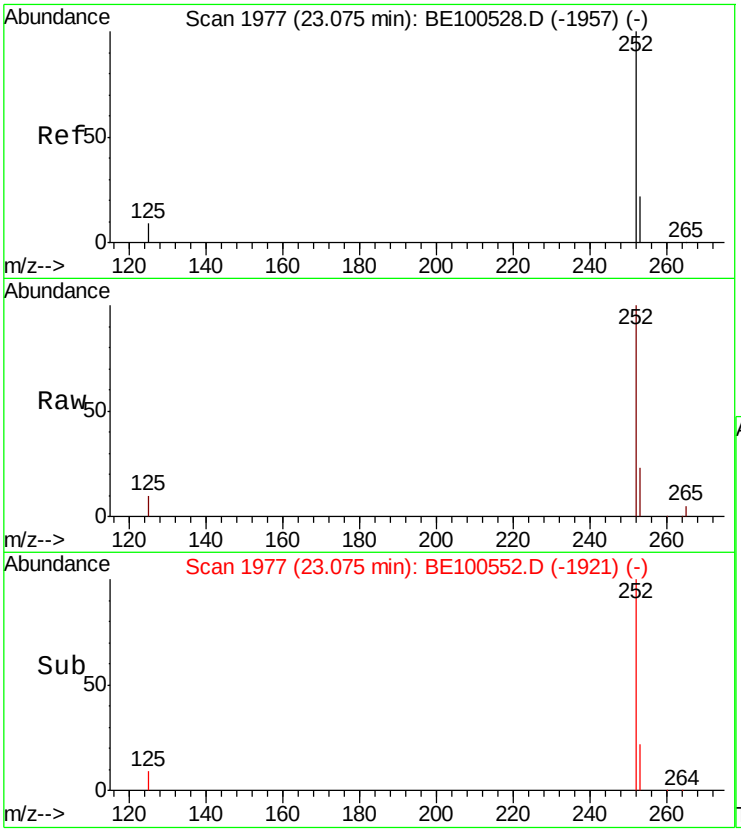


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.83 min Scan# 2190
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:264 Resp: 35742

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	28.2	21.8	32.8



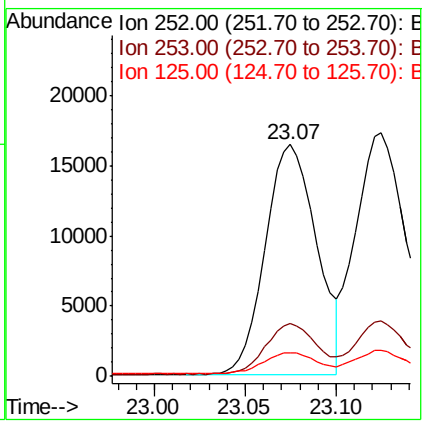


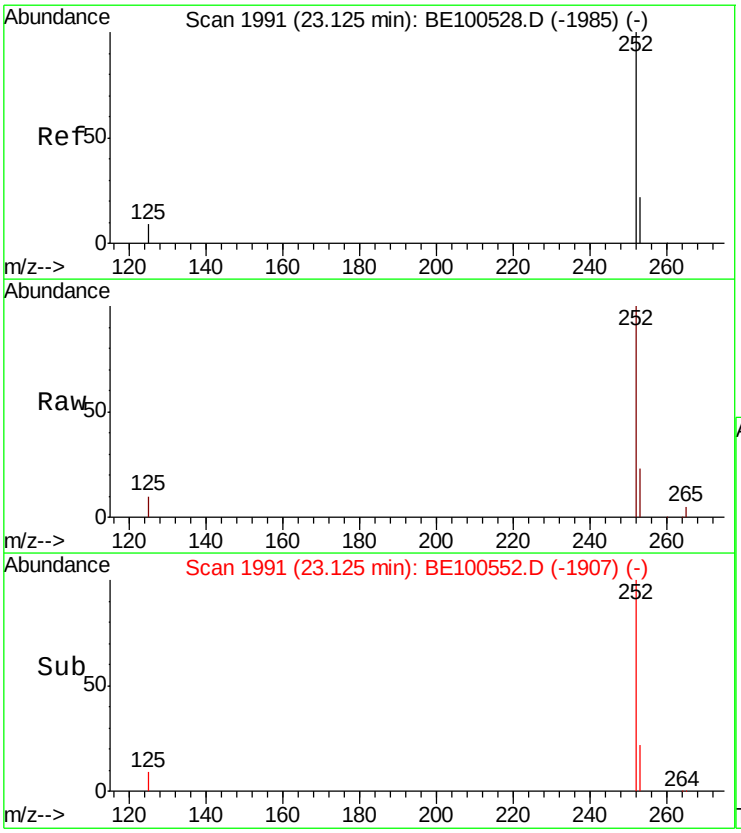
#35
Benzo(b)fluoranthene
Concen: 0.332 ng
RT: 23.07 min Scan# 1977
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:252 Resp: 32082

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.0	8.0	12.0

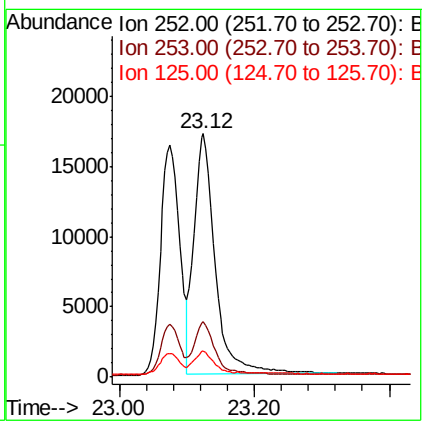


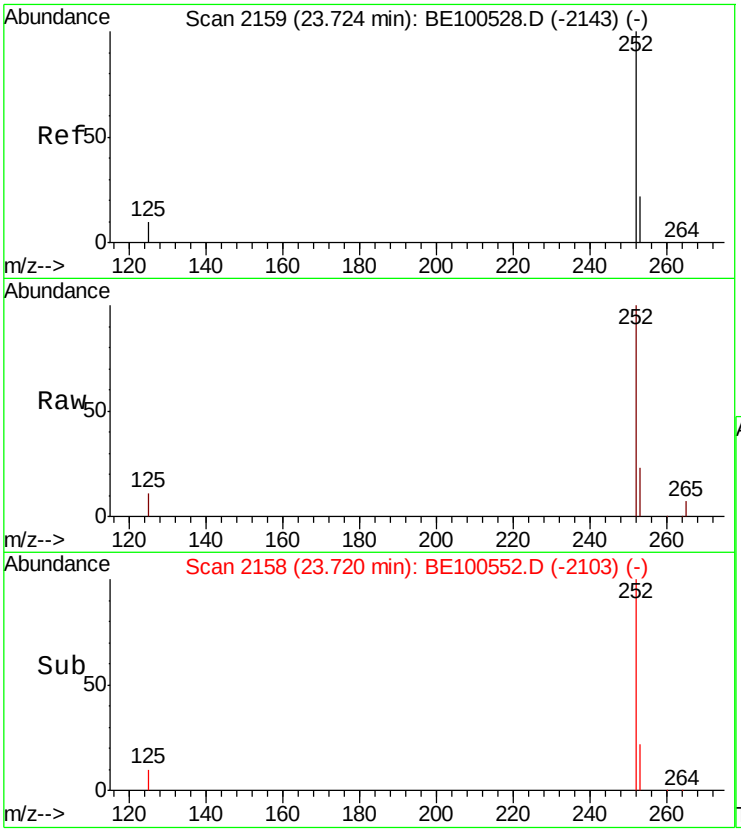


#36
Benzo(k)fluoranthene
Concen: 0.337 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:252 Resp: 37725

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	10.5	8.5	12.7



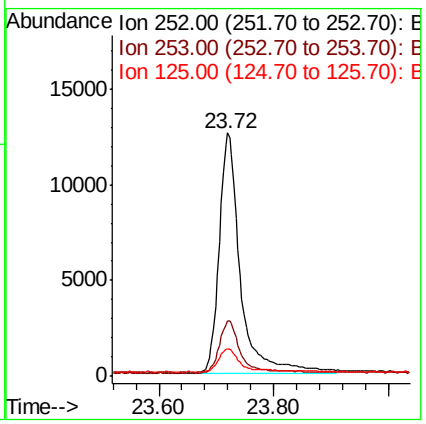


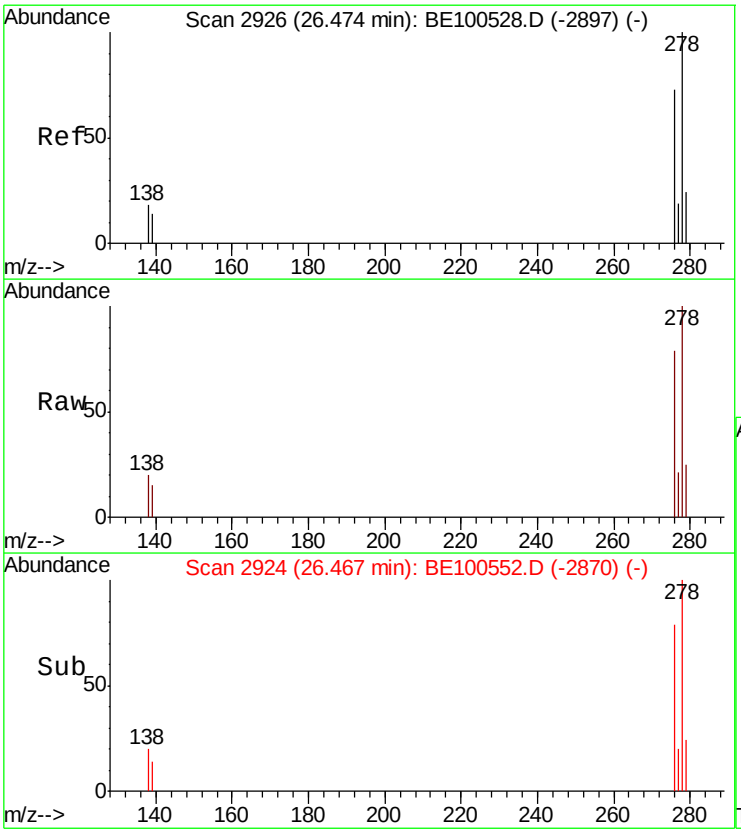
#37
Benzo(a)pyrene
Concen: 0.354 ng
RT: 23.72 min Scan# 2158
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:252 Resp: 31979

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.1	27.1
125	11.4	9.2	13.8

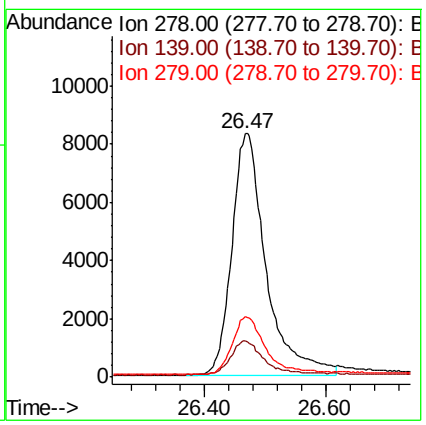


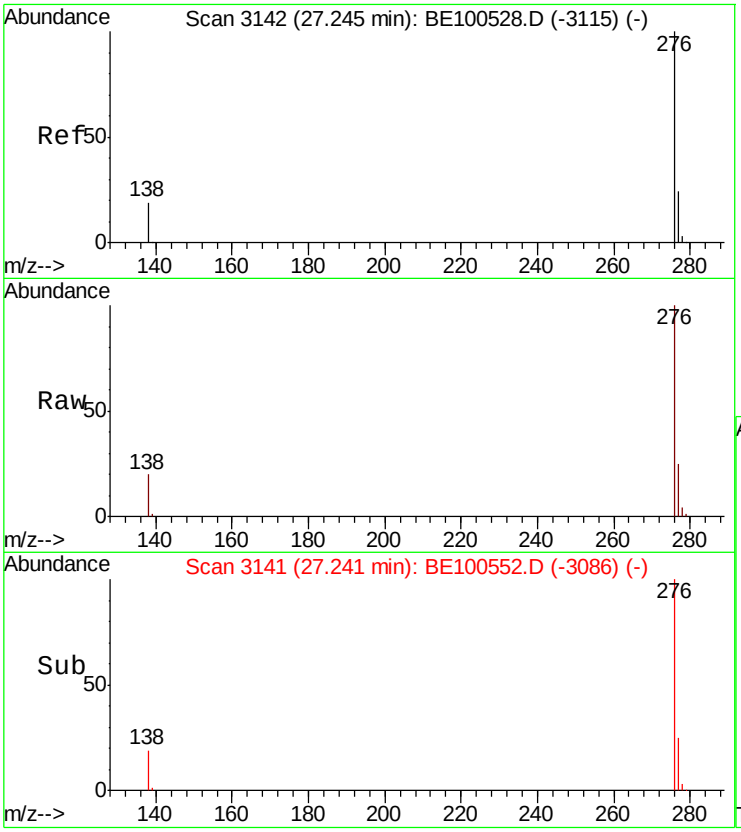


#38
Dibenzo(a,h)anthracene
Concen: 0.347 ng
RT: 26.47 min Scan# 2924
Delta R.T. -0.01 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Tgt Ion:278 Resp: 32647

Ion	Ratio	Lower	Upper
278	100		
139	14.7	11.6	17.4
279	24.8	19.7	29.5





#39
Benzo(g,h,i)perylene
Concen: 0.372 ng
RT: 27.24 min Scan# 3141
Delta R.T. -0.00 min
Lab File: BE100552.D
Acq: 25 Sep 2019 11:00

Instrument :
BNA_E
ClientSampleId :
PB123289BS

Tgt Ion:276 Resp: 36504

Ion	Ratio	Lower	Upper
276	100		
277	25.2	19.2	28.8
138	19.9	15.7	23.5