Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
Data File : BE100539.D
Acq On : 23 Sep 2019 14:36
Operator : HP/JU
Sample : PB123166BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB123166BS

Quant Time: Sep 23 15:44:01 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	6229	0.40	ng		0.00
7) Naphthalene-d8	10.65	136	29102	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	16186	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	34979	0.40	ng		0.00
27) Chrysene-d12	21.37	240	35200	0.40	ng		0.00
34) Perylene-d12	23.84	264	38910	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.43	112	5397	0.37	ng		0.00
5) Phenol-d6	7.01	99	7352	0.37	ng		-0.01
8) Nitrobenzene-d5	9.00	82	6091	0.36	ng		0.00
11) 2-Methylnaphthalene-d10	12.24	152	16556	0.38	ng		0.00
14) 2,4,6-Tribromophenol	15.96	330	884	0.34	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	22846	0.40	ng		0.00
25) Fluoranthene-d10	19.22	212	150457	0.36	ng		0.00
29) Terphenyl-d14	19.82	244	34218	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.34	88	3436	0.382	ng		96
3) n-Nitrosodimethylamine	3.67	42	1914	0.363	ng	#	92
6) bis(2-Chloroethyl)ether	7.28	93	7775	0.385	ng		95
9) Naphthalene	10.69	128	117130	0.388	ng		100
10) Hexachlorobutadiene	10.99	225	3768	0.391	ng		98
12) 2-Methylnaphthalene	12.31	142	18024	0.375	ng		98
16) Acenaphthylene	14.20	152	24051	0.361	ng		100
17) Acenaphthene	14.54	154	16894	0.375	ng		99
18) Fluorene	15.51	166	21333	0.379	ng		99
20) 4-Bromophenyl-phenylether	16.41	248	6120	0.372	ng	#	64
21) Hexachlorobenzene	16.52	284	5449	0.380	ng		99
22) Pentachlorophenol	16.87	266	802	0.410	ng		94
23) Phenanthrene	17.24	178	37374	0.383	ng		100
24) Anthracene	17.33	178	29392	0.358	ng		100
26) Fluoranthene	19.25	202	42457	0.361	ng		100
28) Pyrene	19.62	202	42252	0.417	ng		100
30) Benzo(a)anthracene	21.34	228	35426	0.377	ng		100
31) Chrysene	21.40	228	40605	0.379	ng		100
32) Bis(2-ethylhexyl)phthalate	21.28	149	34018	0.336	ng		100
33) Indeno(1,2,3-cd)pyrene	26.45	276	43979	0.369	ng		99
35) Benzo(b)fluoranthene	23.08	252	37560	0.357	ng		99
36) Benzo(k)fluoranthene	23.13	252	47220	0.388	ng		99
37) Benzo(a)pyrene	23.73	252	34664	0.353	ng		100
38) Dibenzo(a,h)anthracene	26.48	278	36176	0.354	ng		100
39) Benzo(g,h,i)perylene	27.25	276	39558	0.370	ng		99

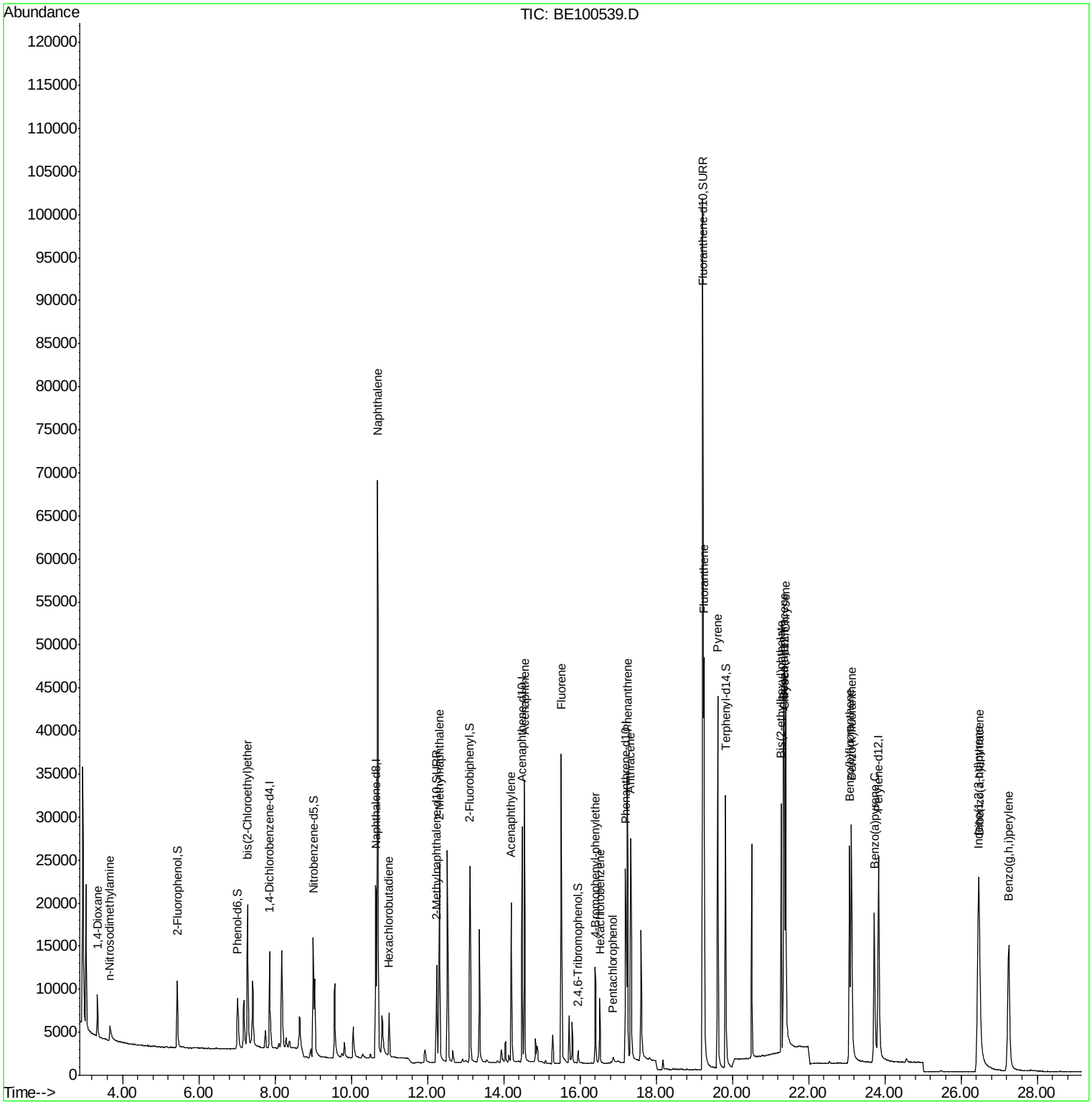
(#) = qualifier out of range (m) = manual integration (+) = signals summed

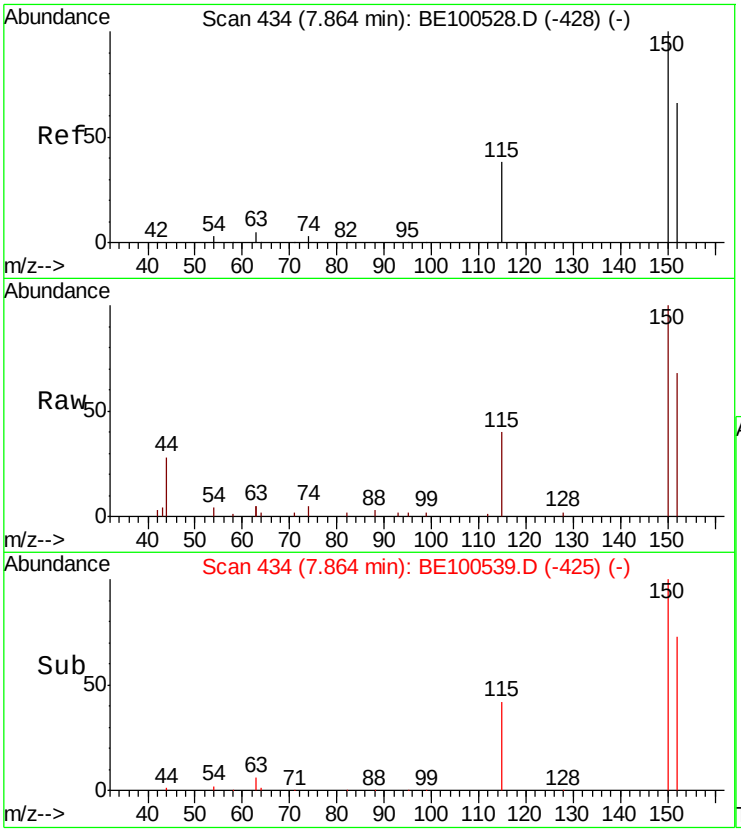
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE092319\
Data File : BE100539.D
Acq On : 23 Sep 2019 14:36
Operator : HP/JU
Sample : PB123166BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Quant Time: Sep 23 15:44:01 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



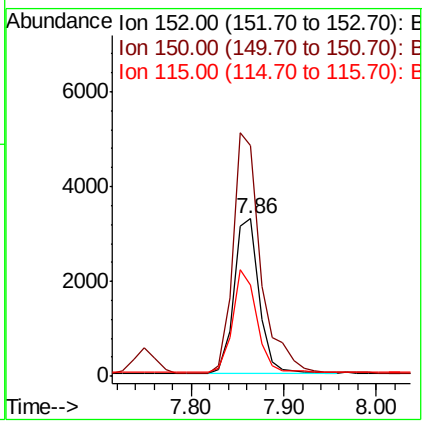


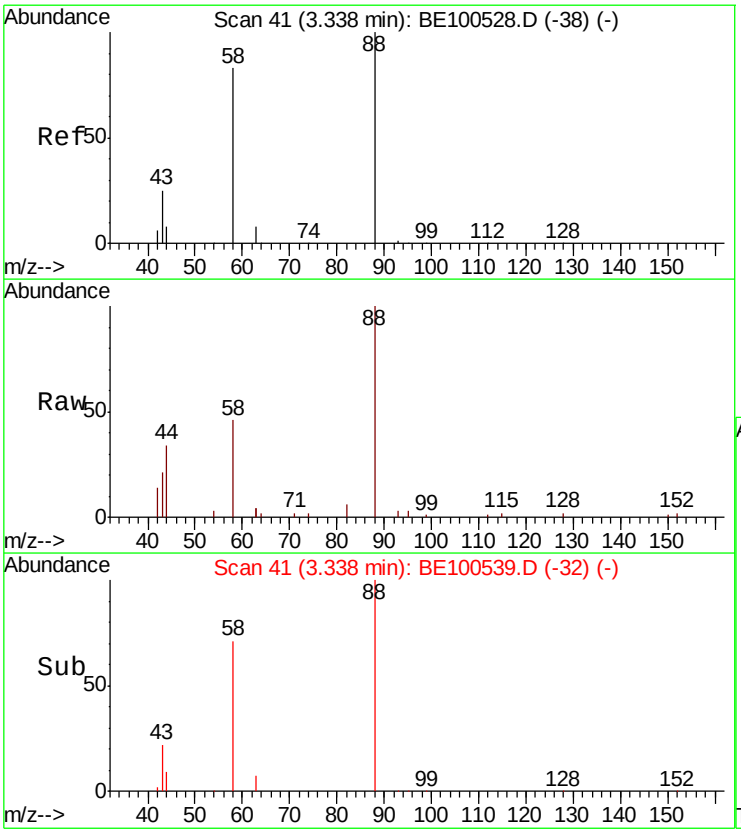
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.86 min Scan# 434
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:152 Resp: 6229

Ion	Ratio	Lower	Upper
152	100		
150	146.8	121.6	182.4
115	58.4	48.2	72.4

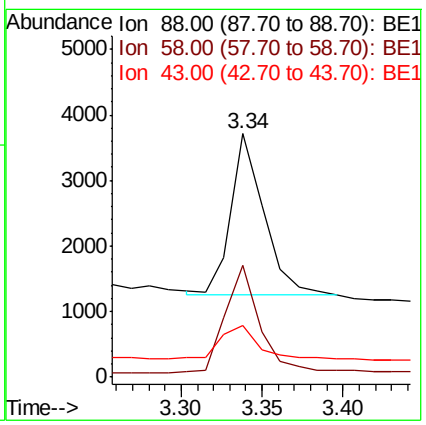


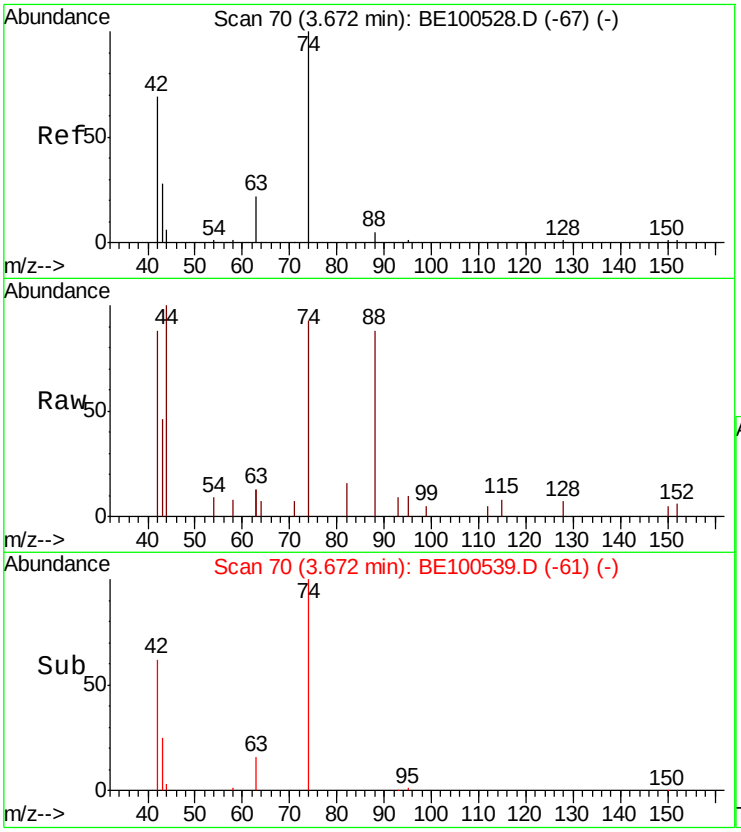


#2
1,4-Dioxane
Concen: 0.382 ng
RT: 3.34 min Scan# 41
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion: 88 Resp: 3436

Ion	Ratio	Lower	Upper
88	100		
58	69.3	53.3	79.9
43	23.9	16.9	25.3



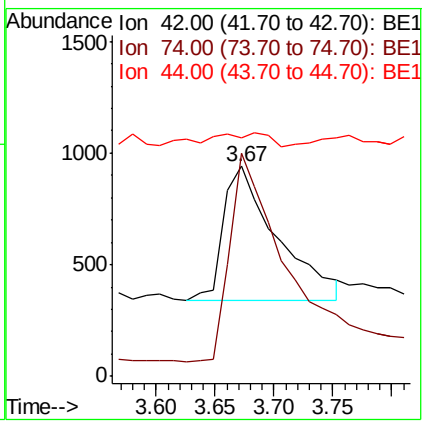


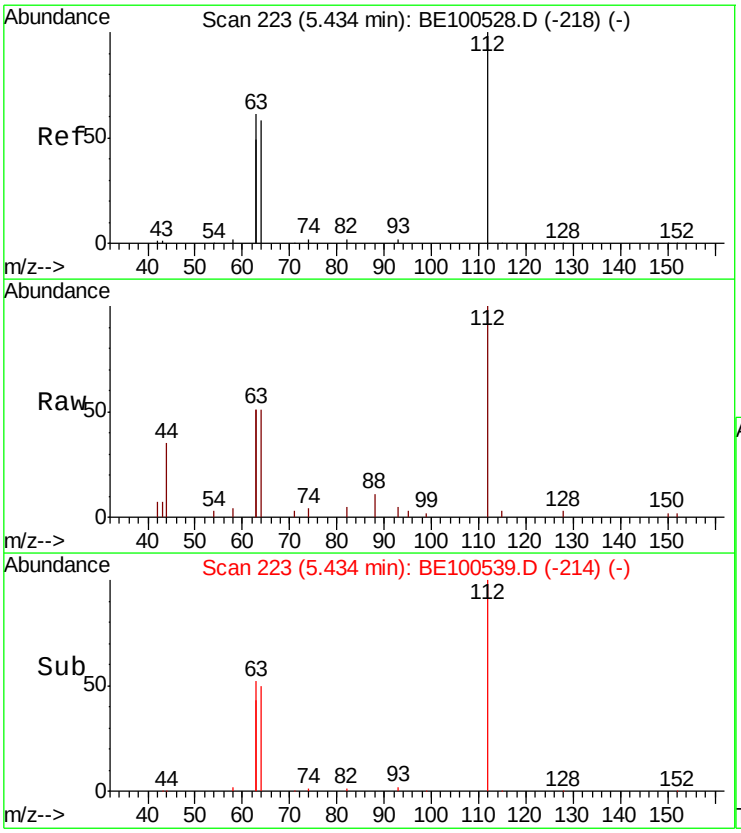
#3
n-Nitrosodimethylamine
Concen: 0.363 ng
RT: 3.67 min Scan# 70
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion: 42 Resp: 1914

Ion	Ratio	Lower	Upper
42	100		
74	155.8	133.8	200.6
44	10.7	6.4	9.6#

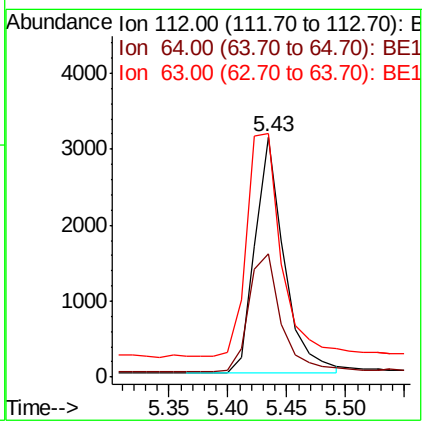


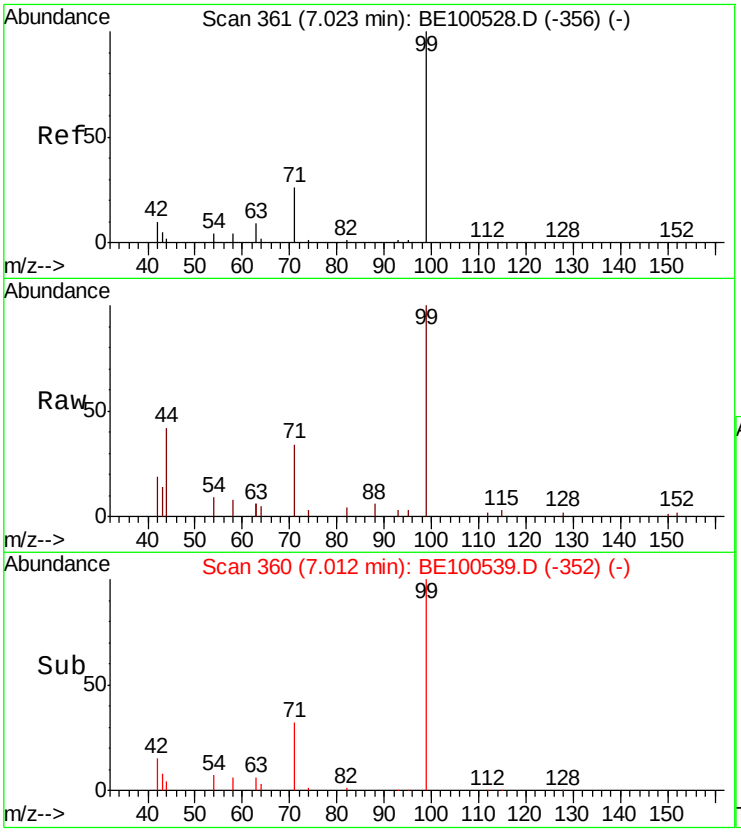


#4
2-Fluorophenol
Concen: 0.370 ng
RT: 5.43 min Scan# 223
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:112 Resp: 5397

Ion	Ratio	Lower	Upper
112	100		
64	55.7	44.1	66.1
63	111.1	86.5	129.7



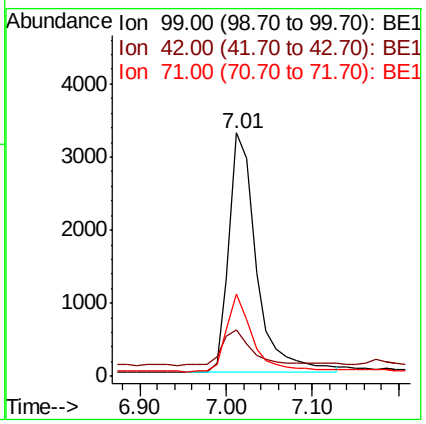


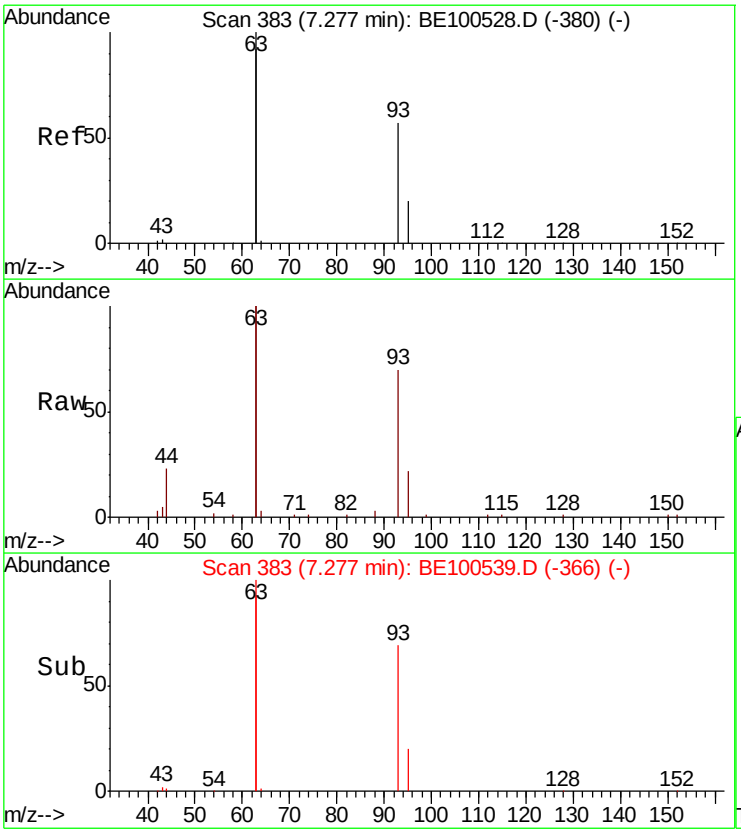
#5
Phenol-d6
Concen: 0.368 ng
RT: 7.01 min Scan# 360
Delta R.T. -0.01 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion: 99 Resp: 7352

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.0	19.6
71	30.0	23.4	35.0

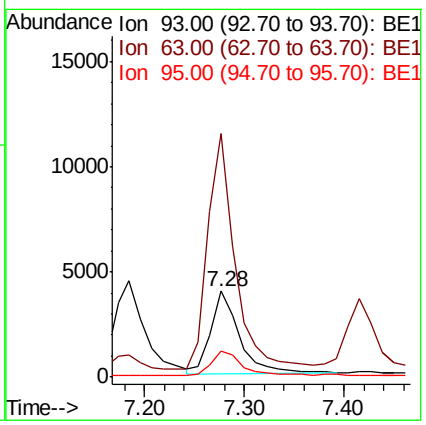


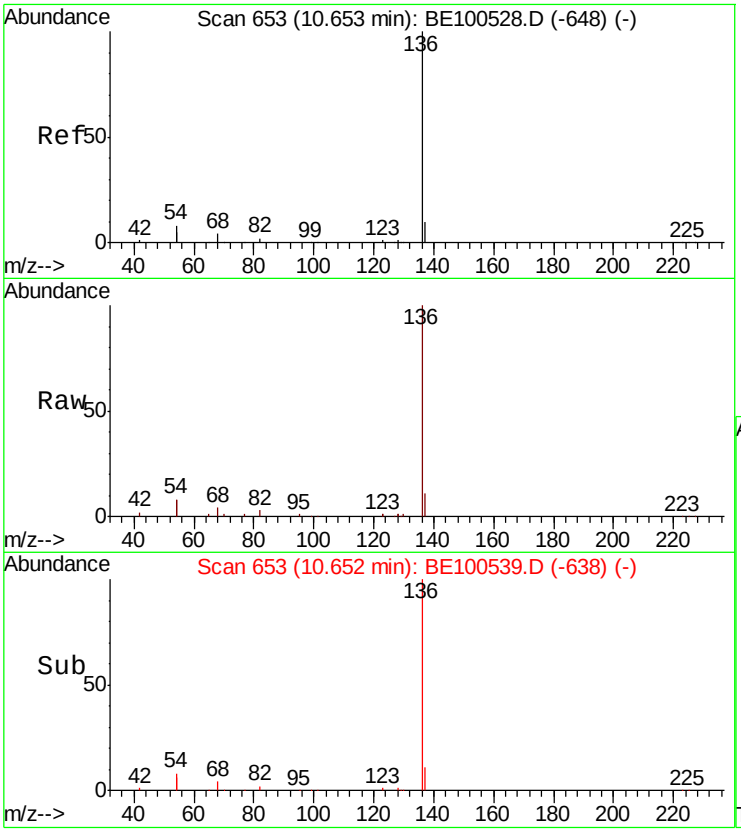


#6
bis(2-Chloroethyl)ether
Concen: 0.385 ng
RT: 7.28 min Scan# 383
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion: 93 Resp: 7775

Ion	Ratio	Lower	Upper
93	100		
63	276.3	213.4	320.0
95	31.9	23.7	35.5



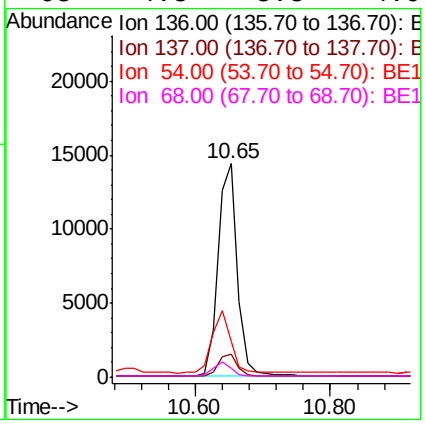


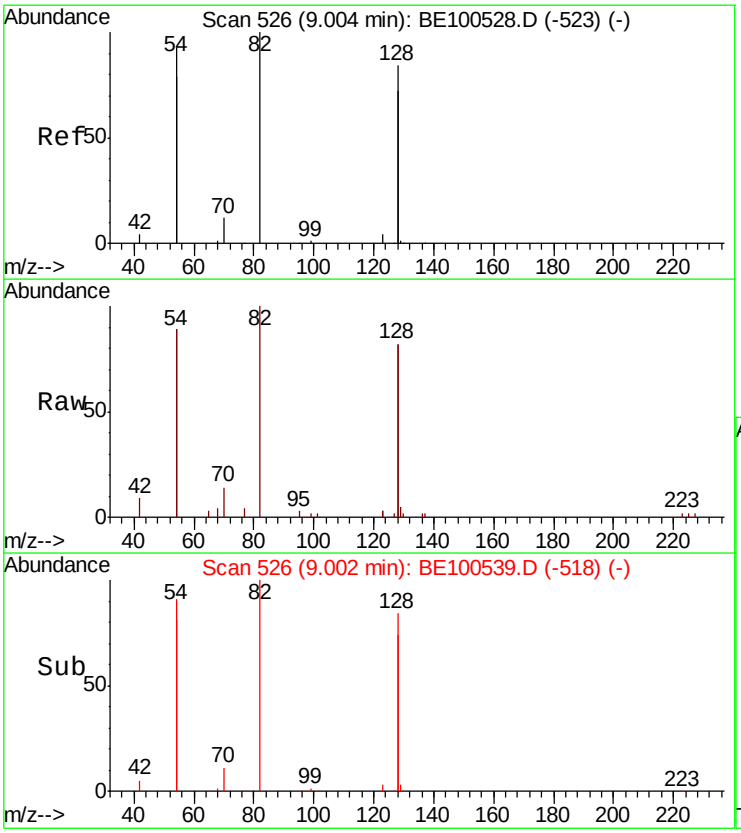
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:136 Resp: 29102

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.6	13.0
54	16.8	12.4	18.6
68	4.3	3.3	4.9

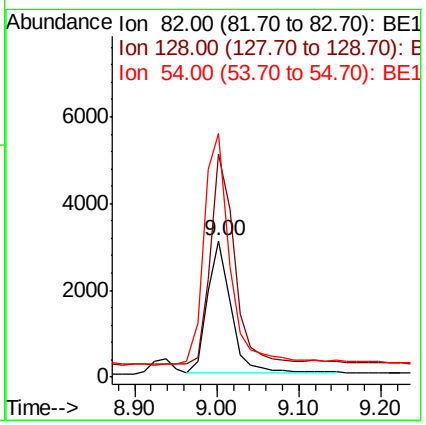


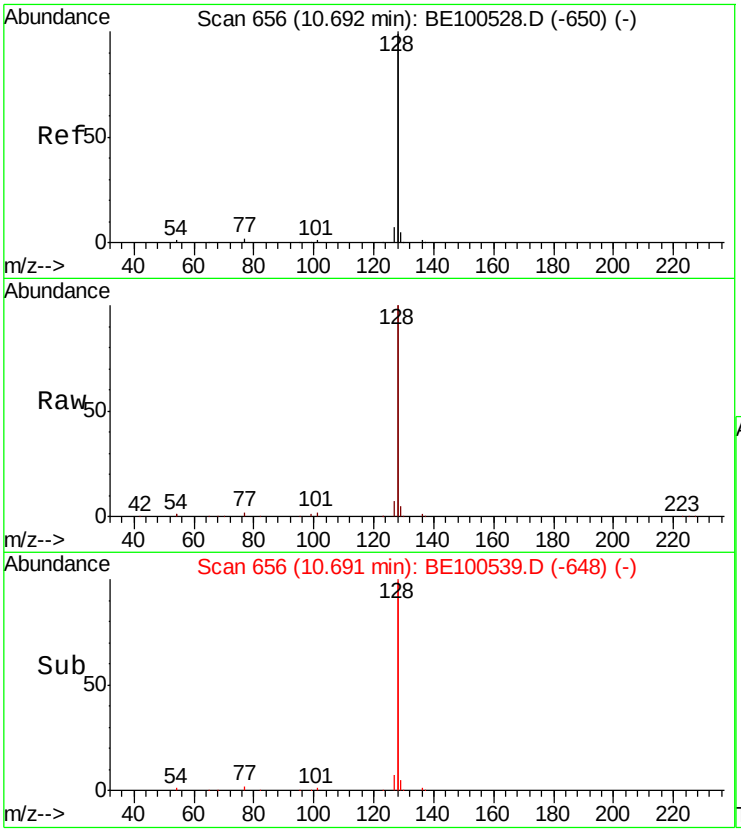


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 9.00 min Scan# 526
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion: 82 Resp: 6091

Ion	Ratio	Lower	Upper
82	100		
128	163.9	129.4	194.2
54	178.3	143.3	214.9



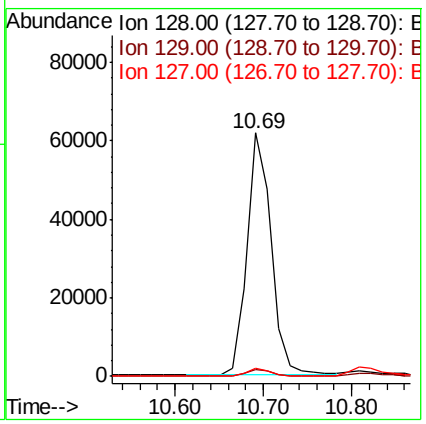


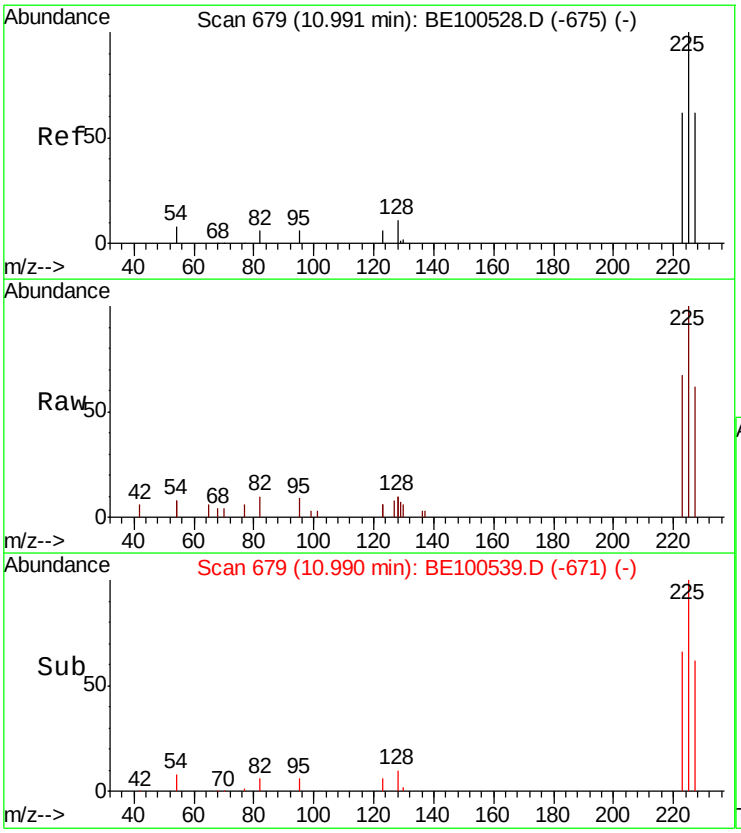
#9
Naphthalene
Concen: 0.388 ng
RT: 10.69 min Scan# 656
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:128 Resp: 117130

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

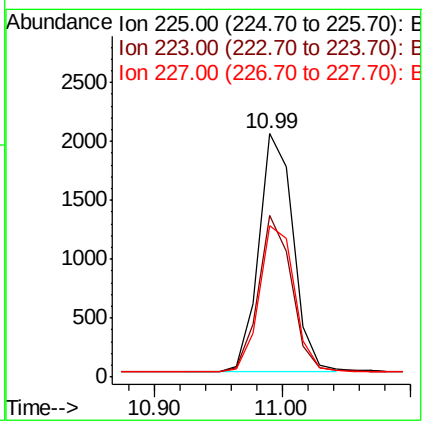


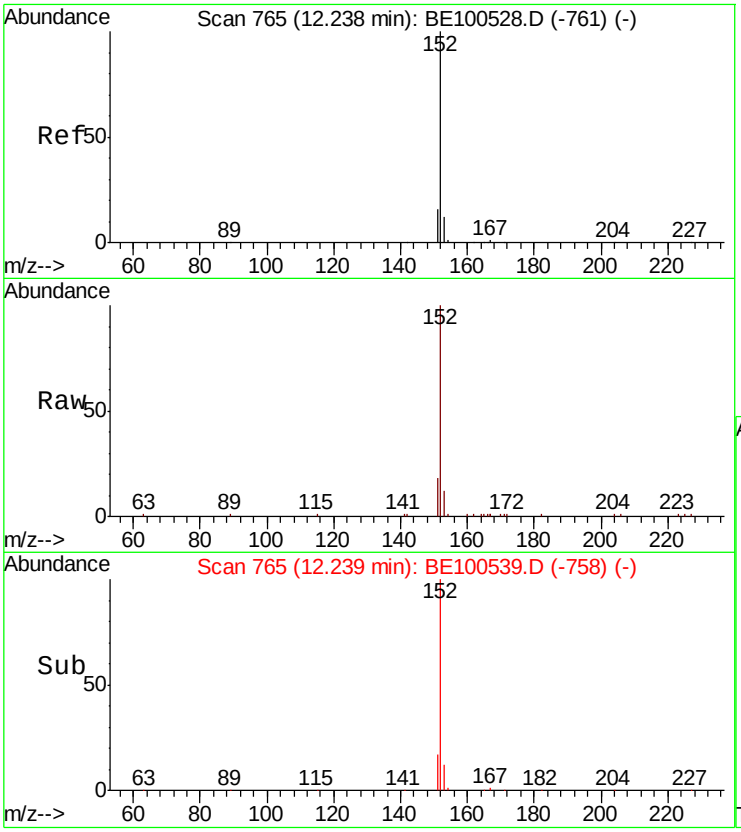


#10
Hexachlorobutadiene
Concen: 0.391 ng
RT: 10.99 min Scan# 679
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:225 Resp: 3768

Ion	Ratio	Lower	Upper
225	100		
223	63.0	49.7	74.5
227	62.7	51.4	77.2



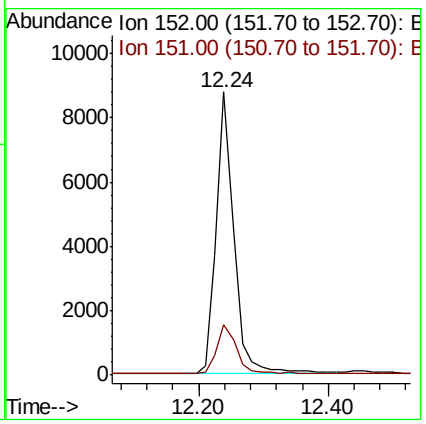


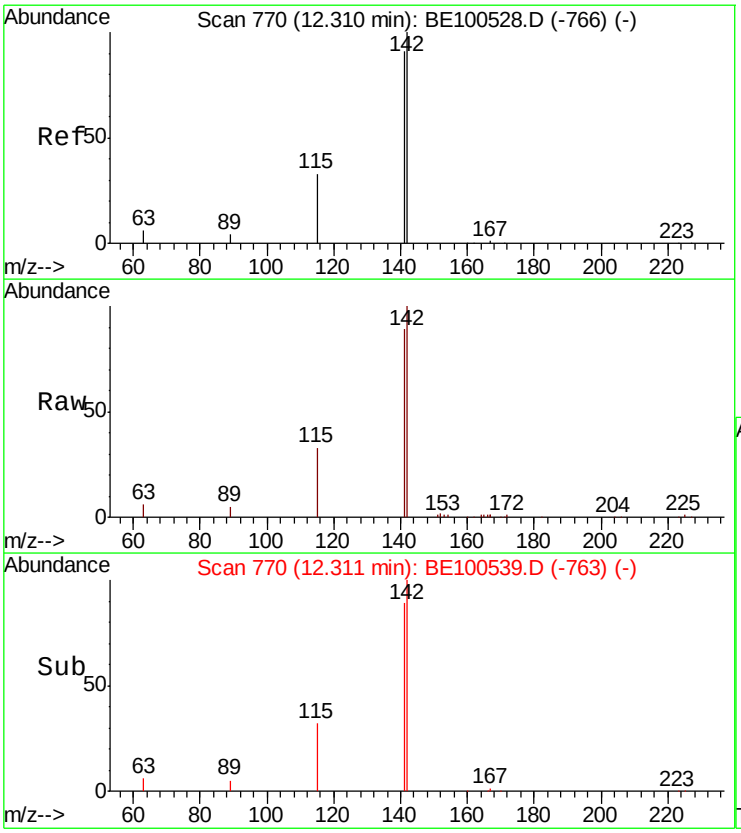
#11
2-Methylnaphthalene-d10
Concen: 0.380 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:152 Resp: 16556

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.3	22.9

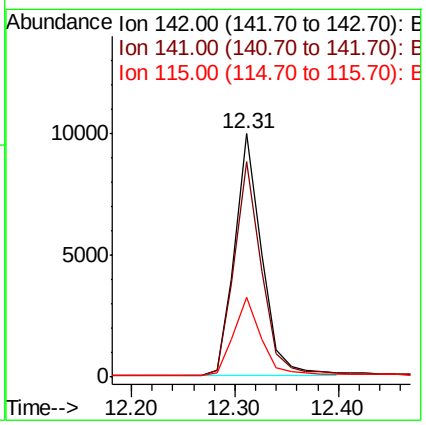


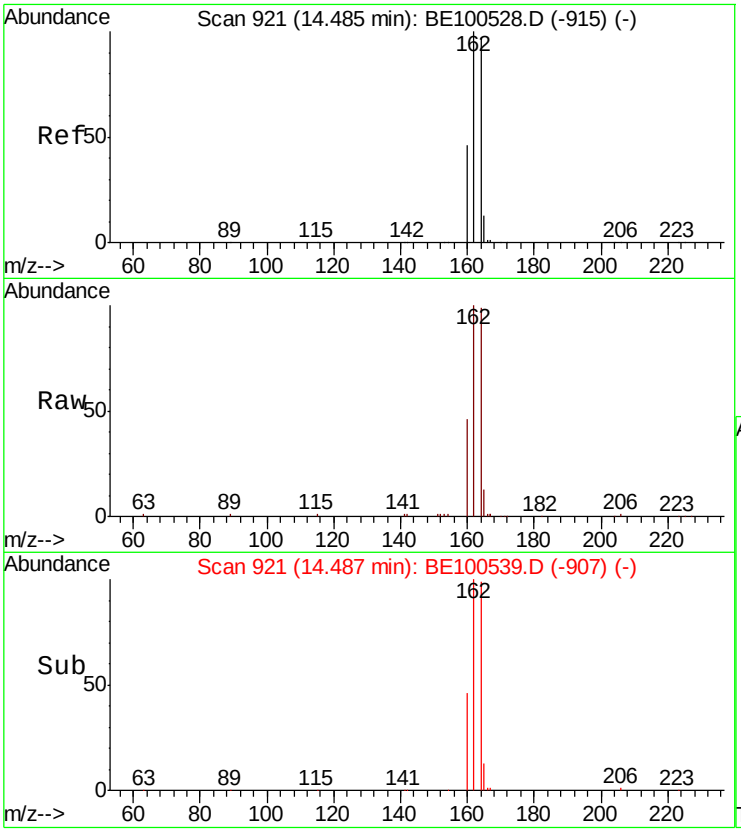


#12
2-Methylnaphthalene
Concen: 0.375 ng
RT: 12.31 min Scan# 770
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:142 Resp: 18024

Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.5	108.7
115	32.7	27.2	40.8



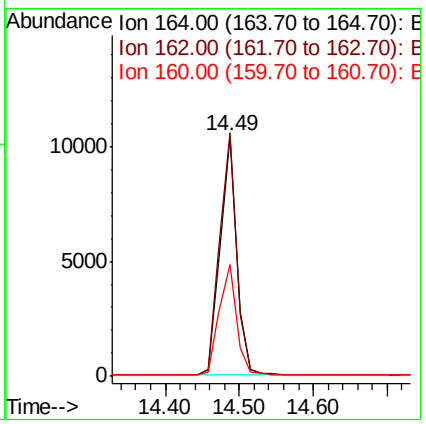


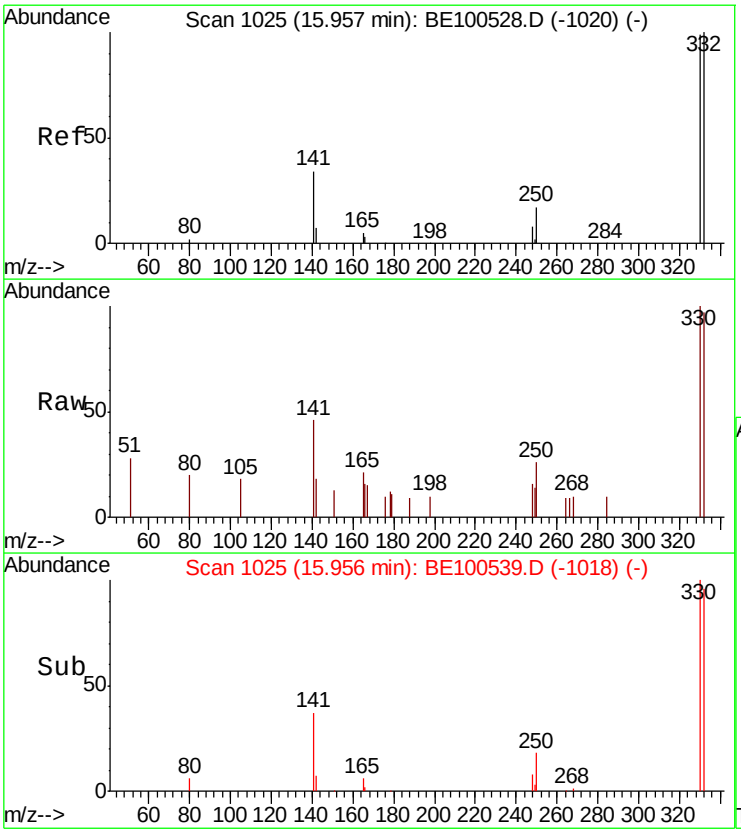
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:164 Resp: 16186

Ion	Ratio	Lower	Upper
164	100		
162	101.4	82.1	123.1
160	46.5	37.6	56.4

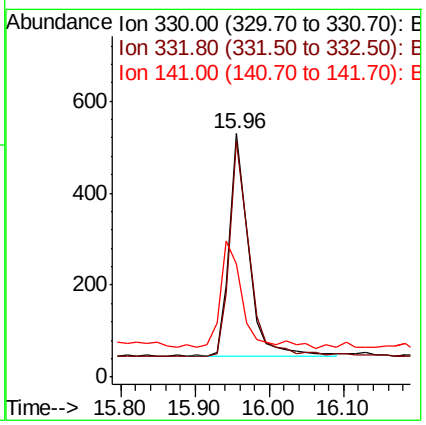


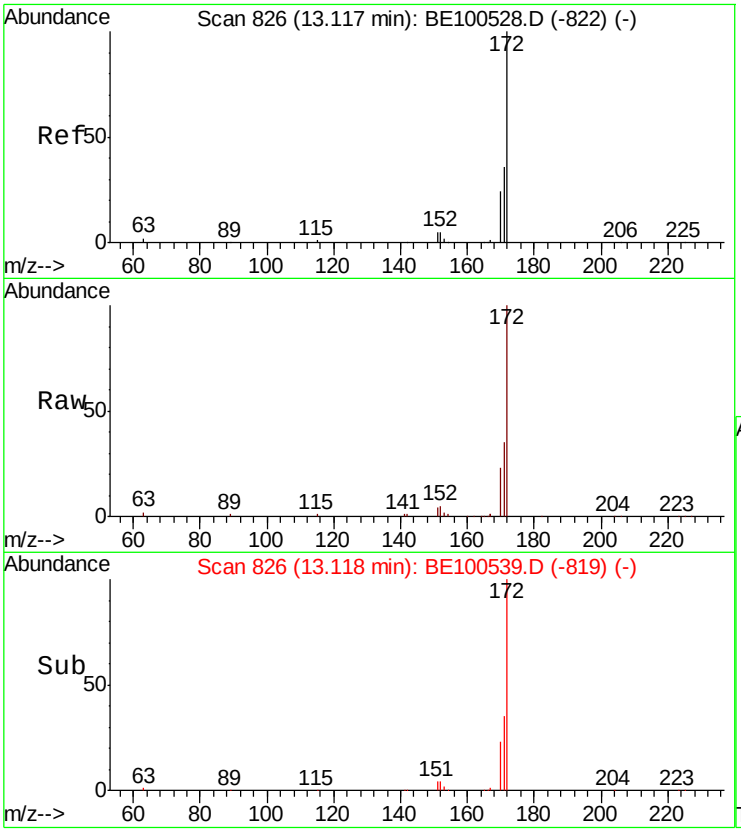


#14
2,4,6-Tribromophenol
Concen: 0.338 ng
RT: 15.96 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:330 Resp: 884

Ion	Ratio	Lower	Upper
330	100		
332	101.6	75.5	113.3
141	49.7	42.3	63.5



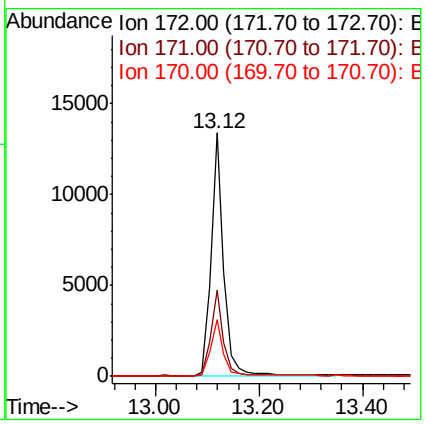


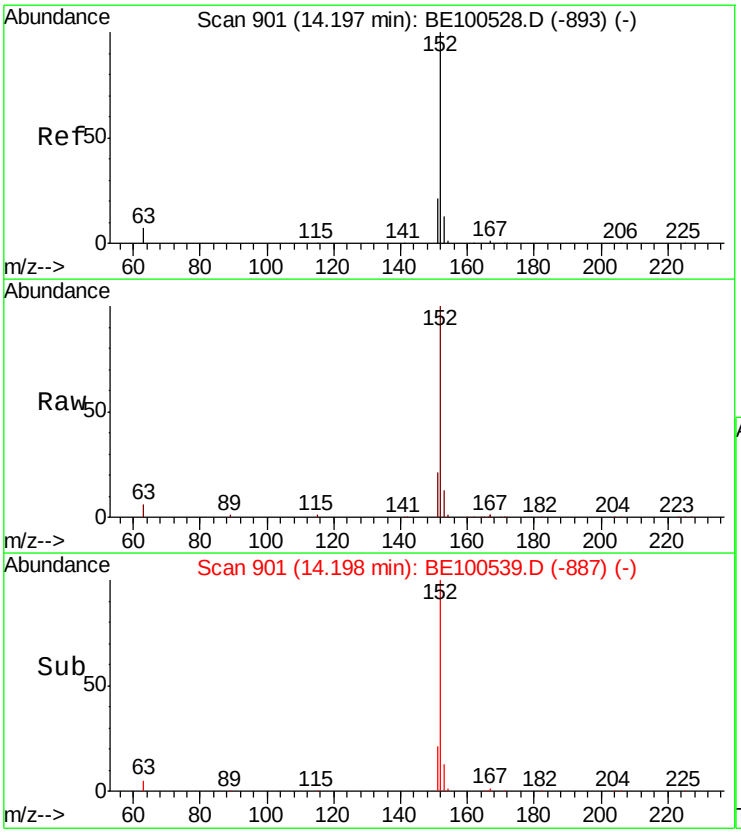
#15
2-Fluorobiphenyl
Concen: 0.395 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:172 Resp: 22846

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.8	43.2
170	23.3	19.4	29.0

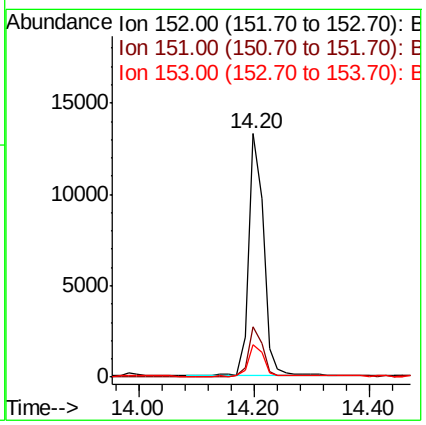


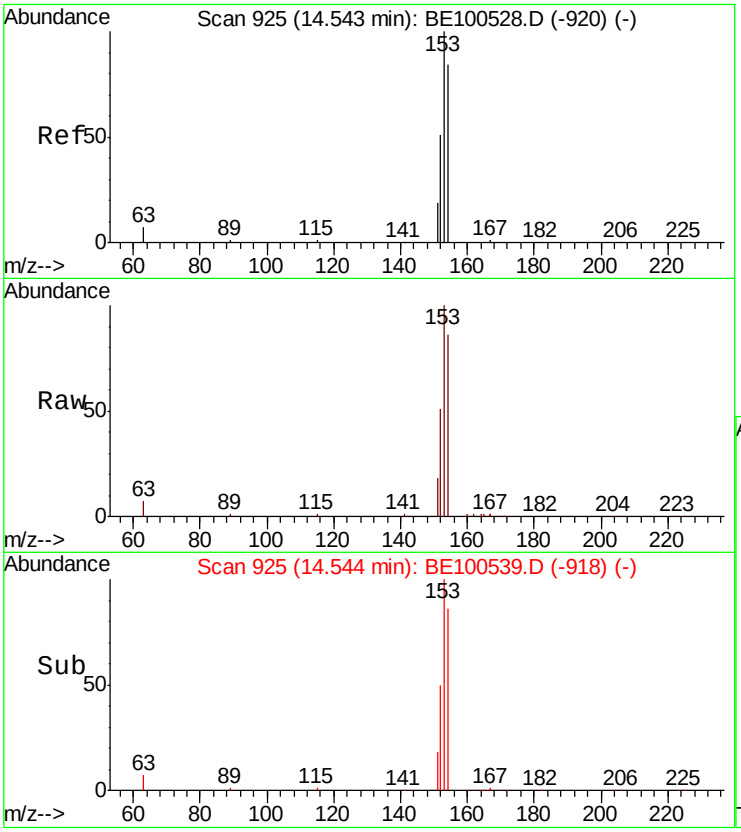


#16
Acenaphthylene
Concen: 0.361 ng
RT: 14.20 min Scan# 901
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:152 Resp: 24051

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.9	23.9
153	13.2	10.7	16.1



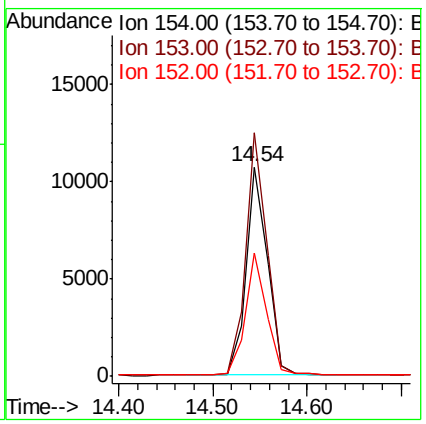


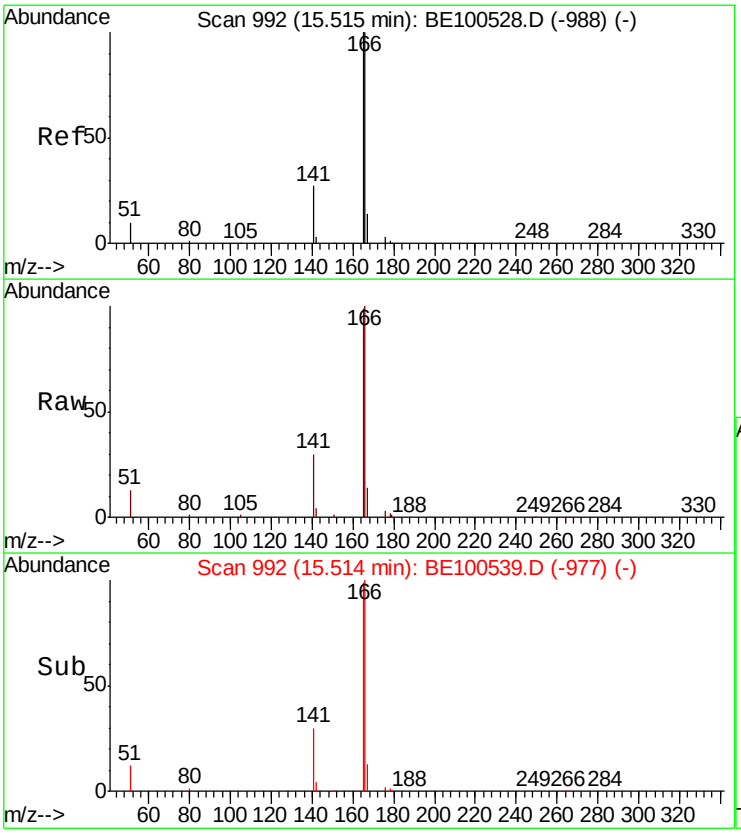
#17
Acenaphthene
Concen: 0.375 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:154 Resp: 16894

Ion	Ratio	Lower	Upper
154	100		
153	116.1	93.7	140.5
152	58.4	47.3	70.9

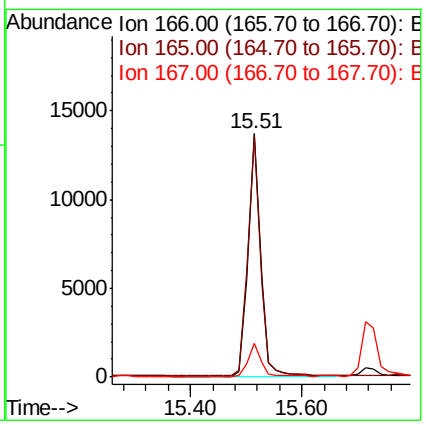


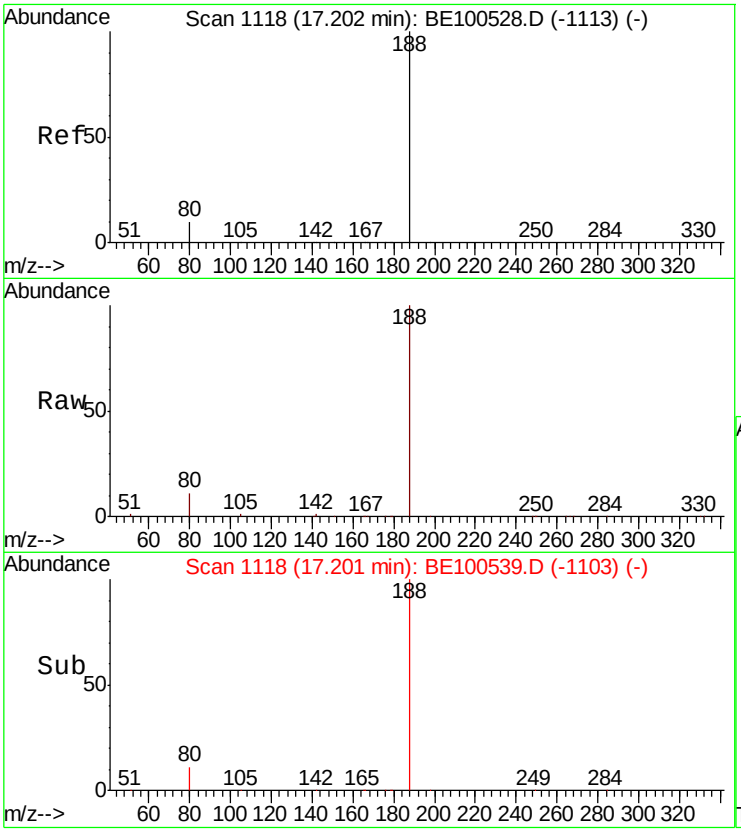


#18
Fluorene
Concen: 0.379 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:166 Resp: 21333

Ion	Ratio	Lower	Upper
166	100		
165	99.3	80.1	120.1
167	13.5	10.9	16.3



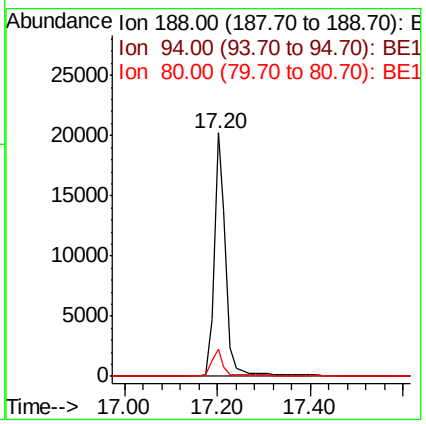


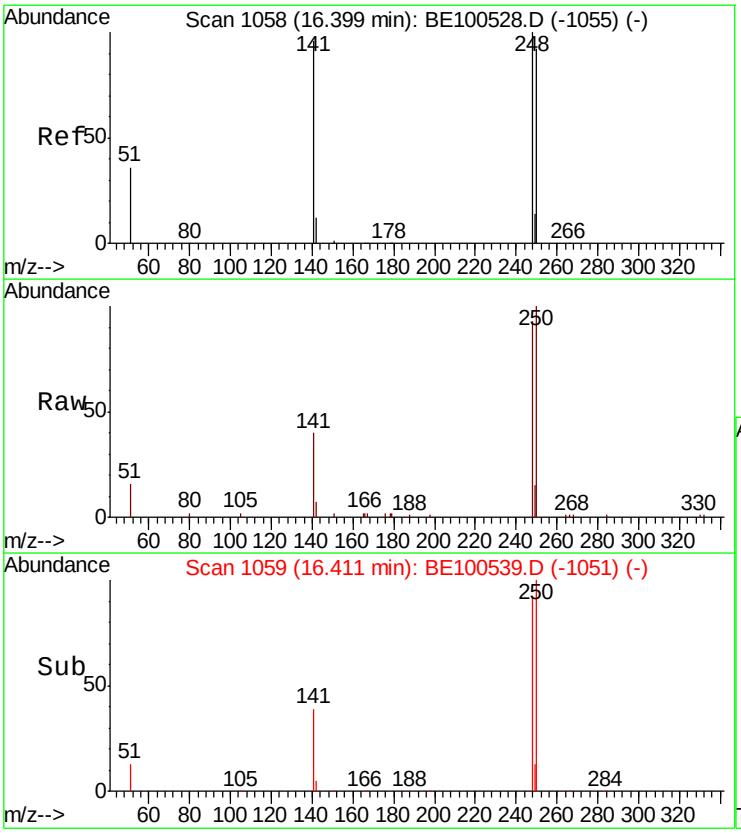
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:188 Resp: 34979

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	8.0	12.0

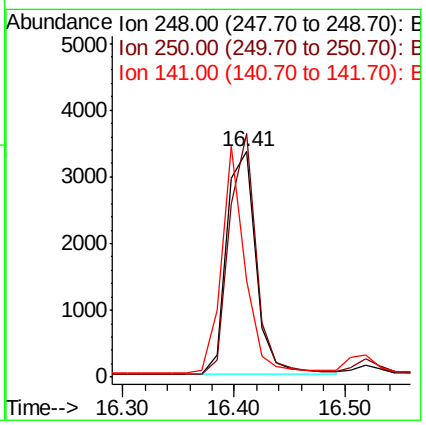


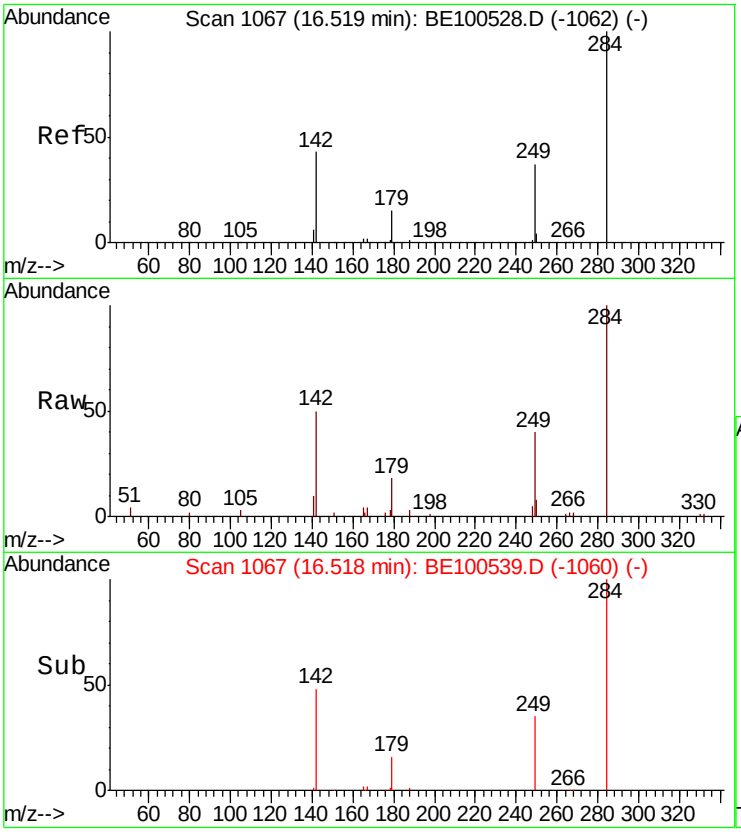


#20
4-Bromophenyl-phenylether
Concen: 0.372 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.01 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:248 Resp: 6120

Ion	Ratio	Lower	Upper
248	100		
250	108.1	73.5	110.3
141	43.1	77.0	115.4#



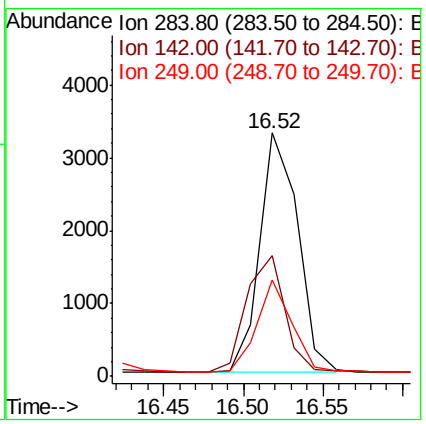


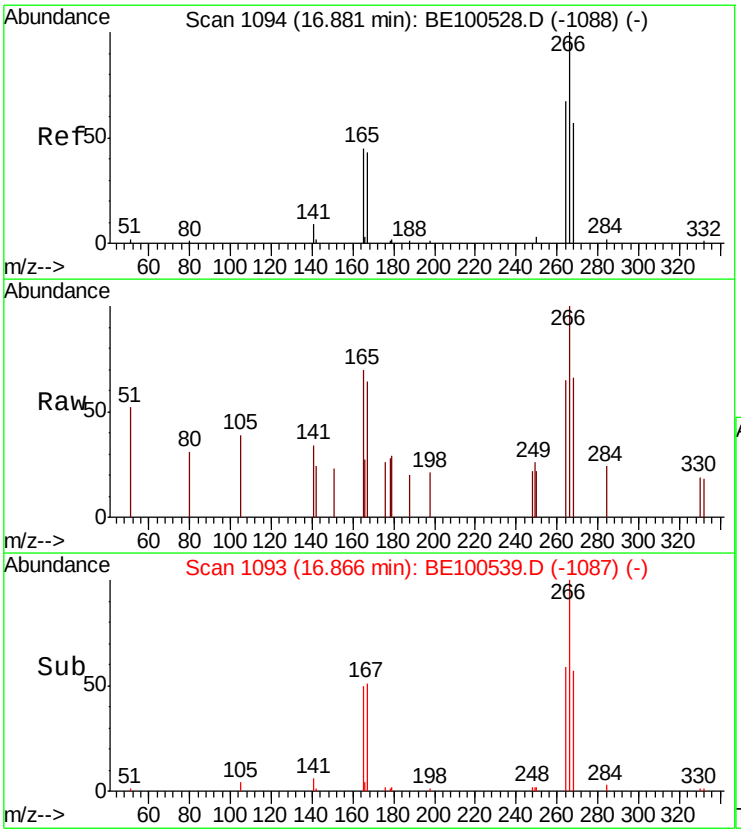
#21
Hexachlorobenzene
Concen: 0.380 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:284 Resp: 5449

Ion	Ratio	Lower	Upper
284	100		
142	48.2	39.0	58.6
249	34.9	28.2	42.2

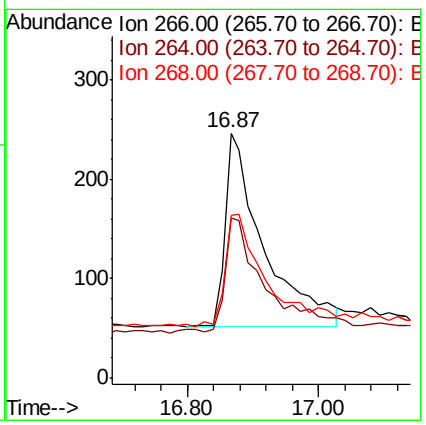


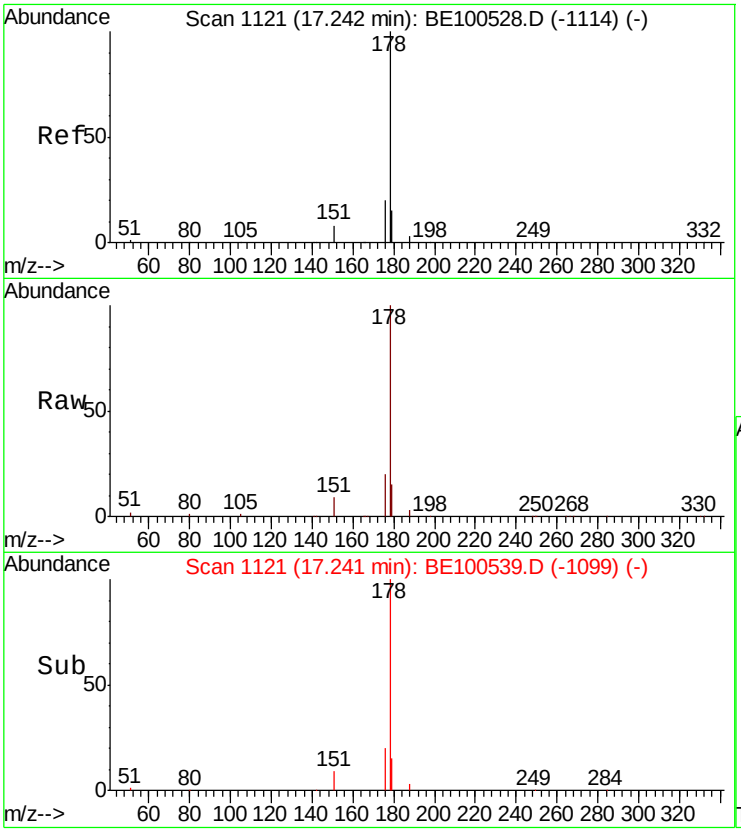


#22
Pentachlorophenol
Concen: 0.410 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.01 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:266 Resp: 802

Ion	Ratio	Lower	Upper
266	100		
264	65.4	57.6	86.4
268	66.3	55.1	82.7



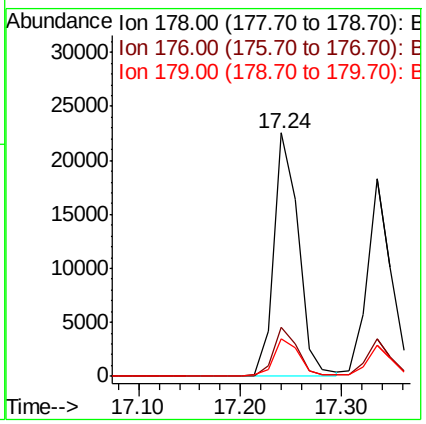


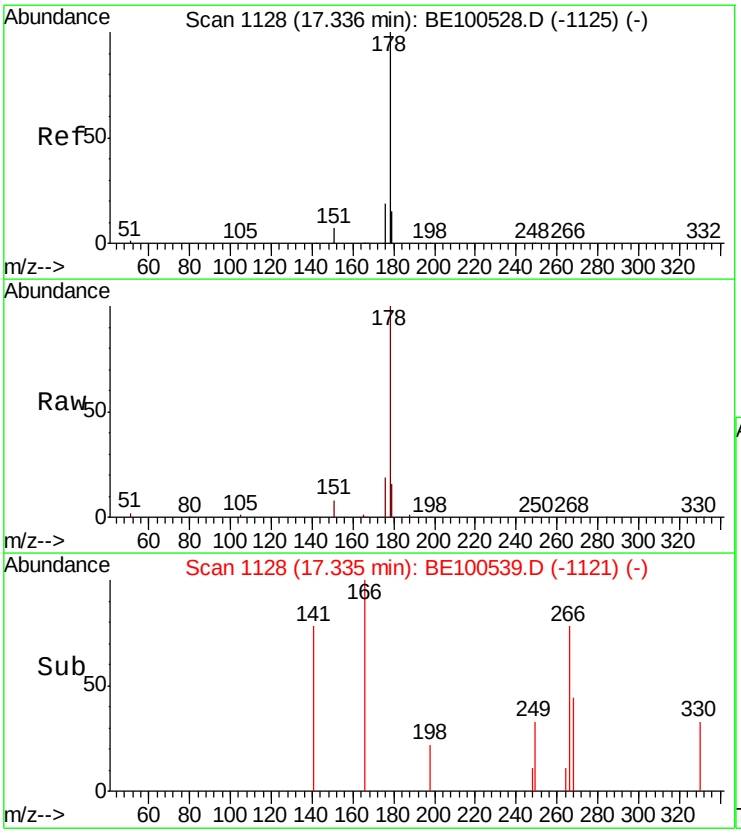
#23
Phenanthrene
Concen: 0.383 ng
RT: 17.24 min Scan# 1121
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:178 Resp: 37374

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.6	12.6	18.8

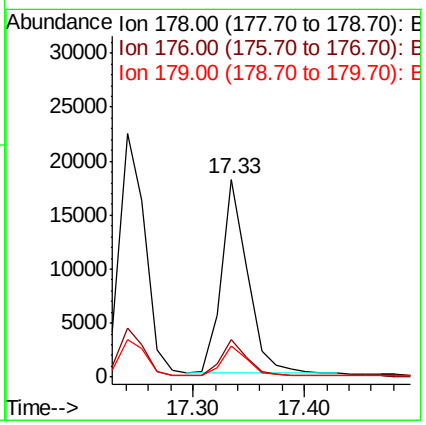


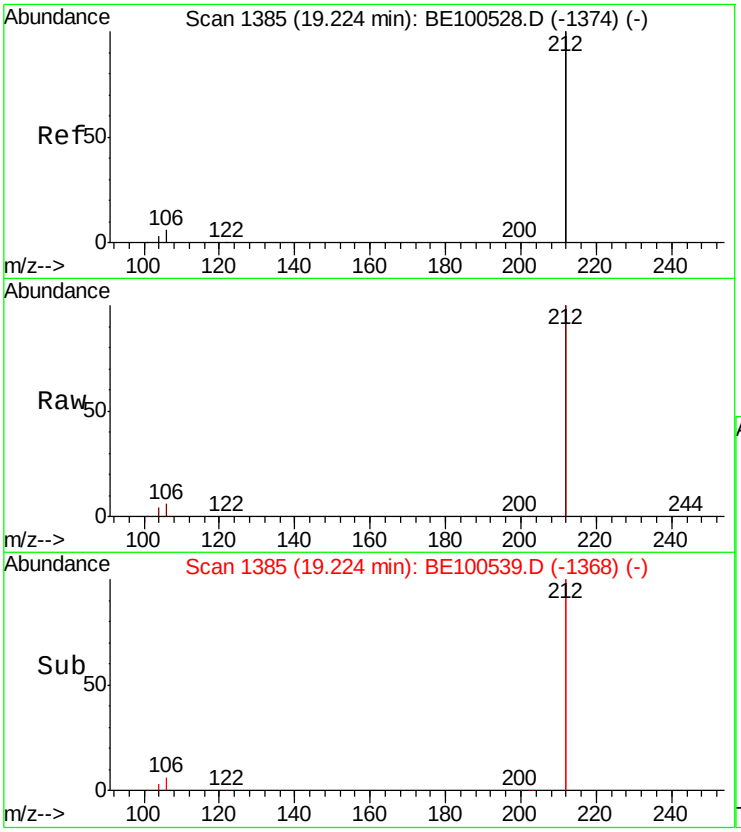


#24
Anthracene
Concen: 0.358 ng
RT: 17.33 min Scan# 1128
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:178 Resp: 29392

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.2	22.8
179	15.3	12.2	18.4



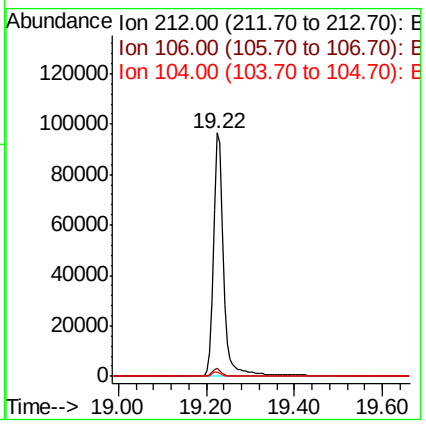


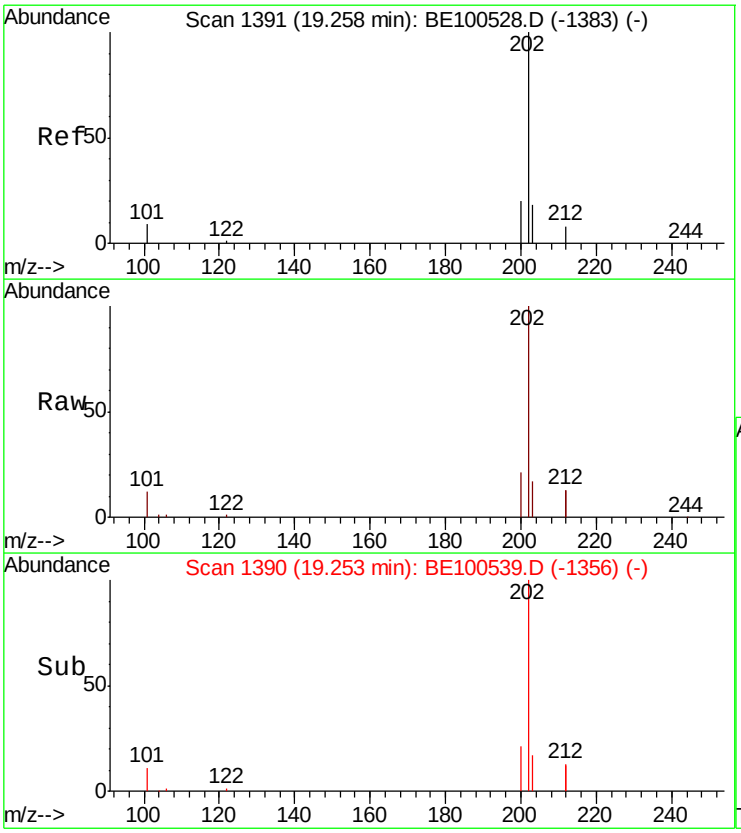
#25
Fluoranthene-d10
Concen: 0.362 ng
RT: 19.22 min Scan# 1385
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:212 Resp: 150457

Ion	Ratio	Lower	Upper
212	100		
106	3.0	2.3	3.5
104	1.6	1.3	1.9

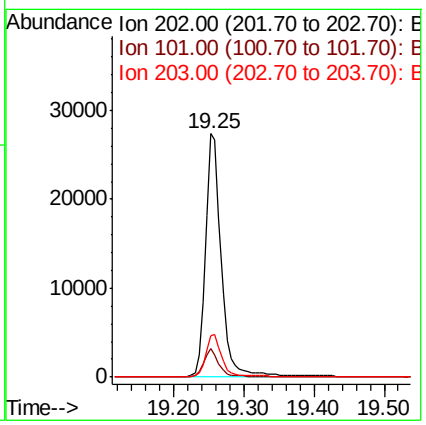


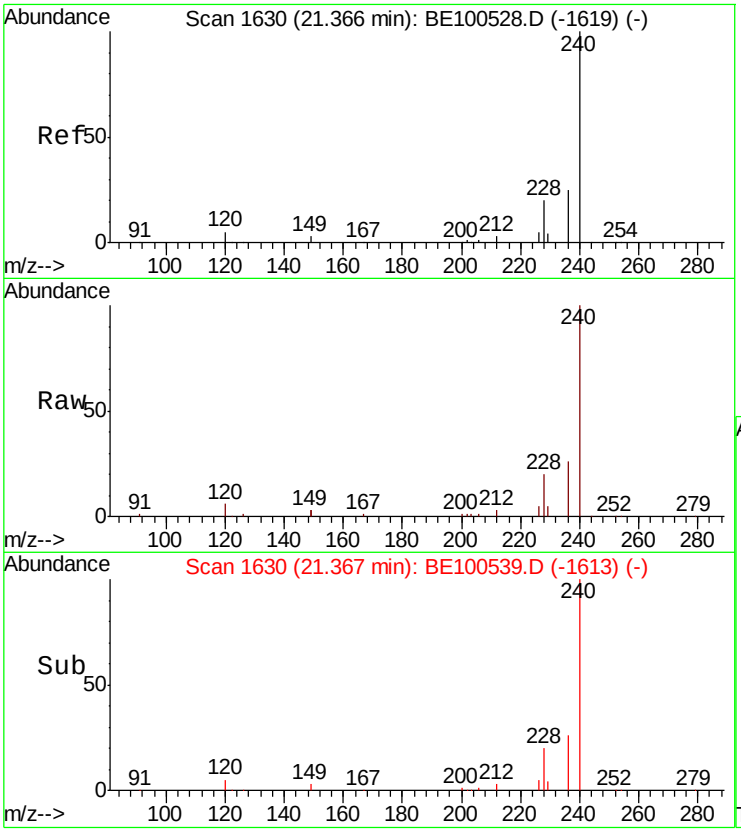


#26
Fluoranthene
Concen: 0.361 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:202 Resp: 42457

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.8	13.2
203	17.2	13.7	20.5



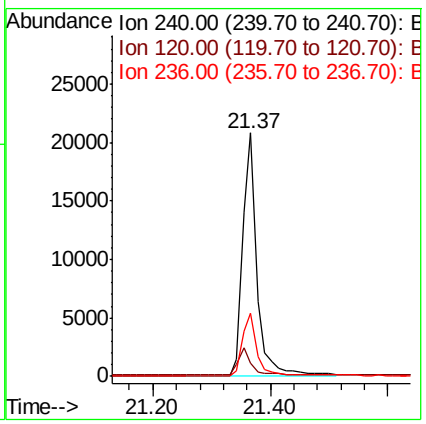


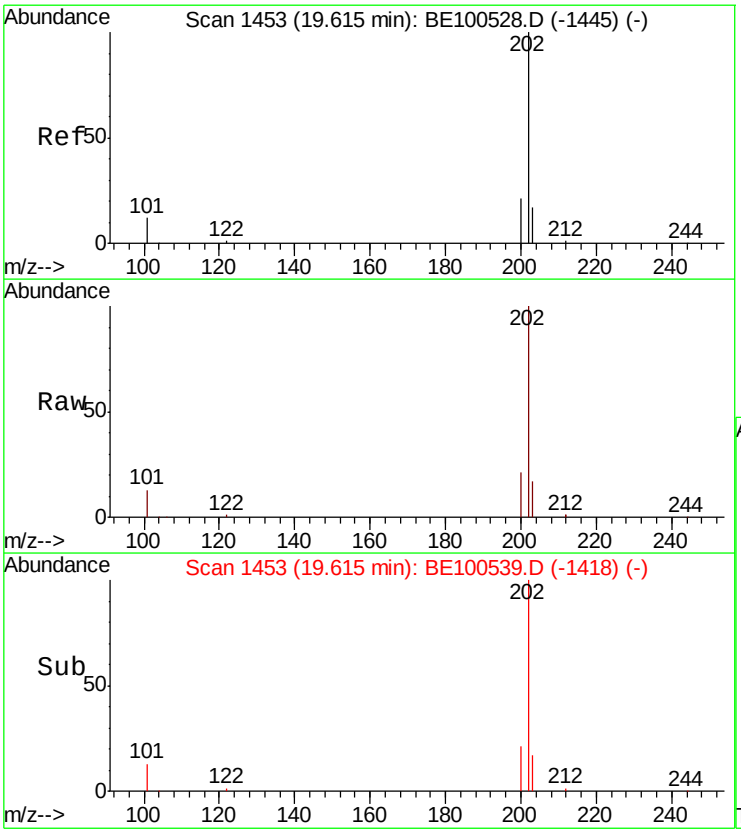
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:240 Resp: 35200

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.5	6.7
236	26.1	20.6	30.8

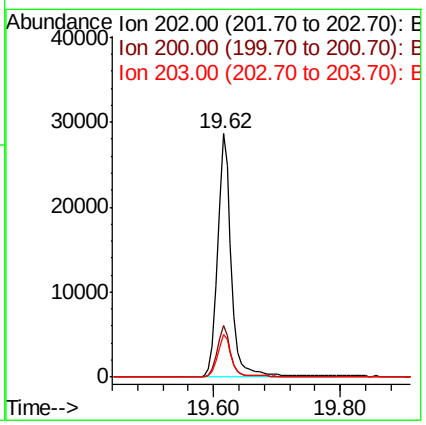


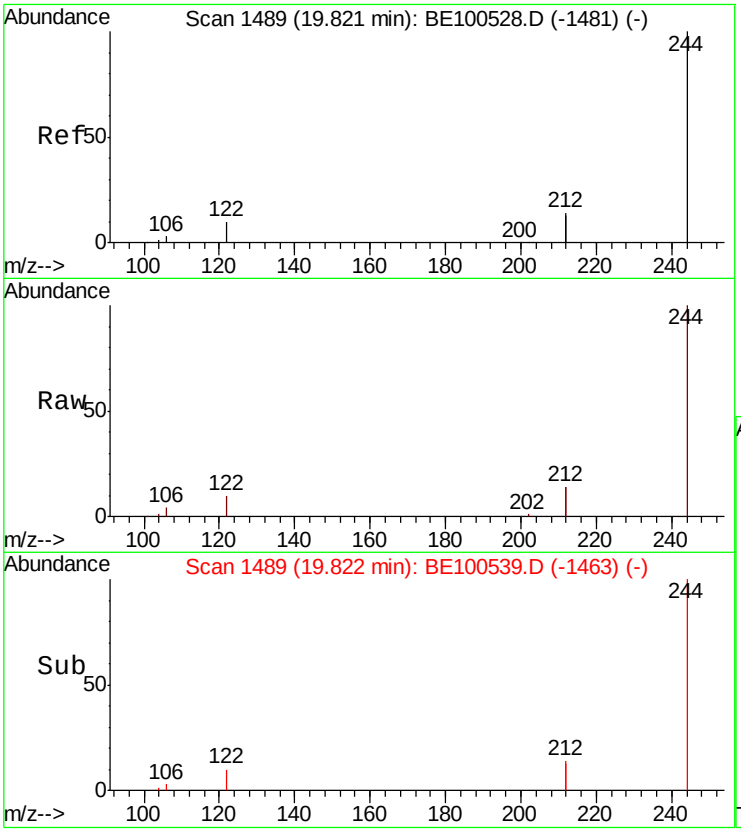


#28
Pyrene
Concen: 0.417 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:202 Resp: 42252

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.6	25.0
203	17.6	14.0	21.0



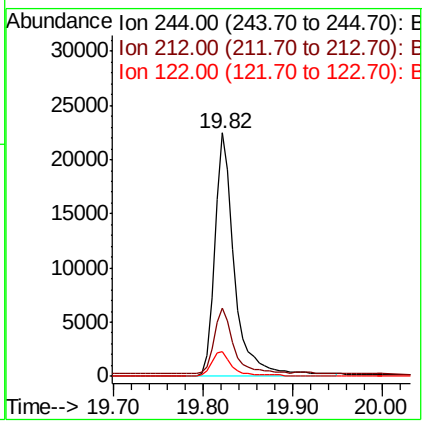


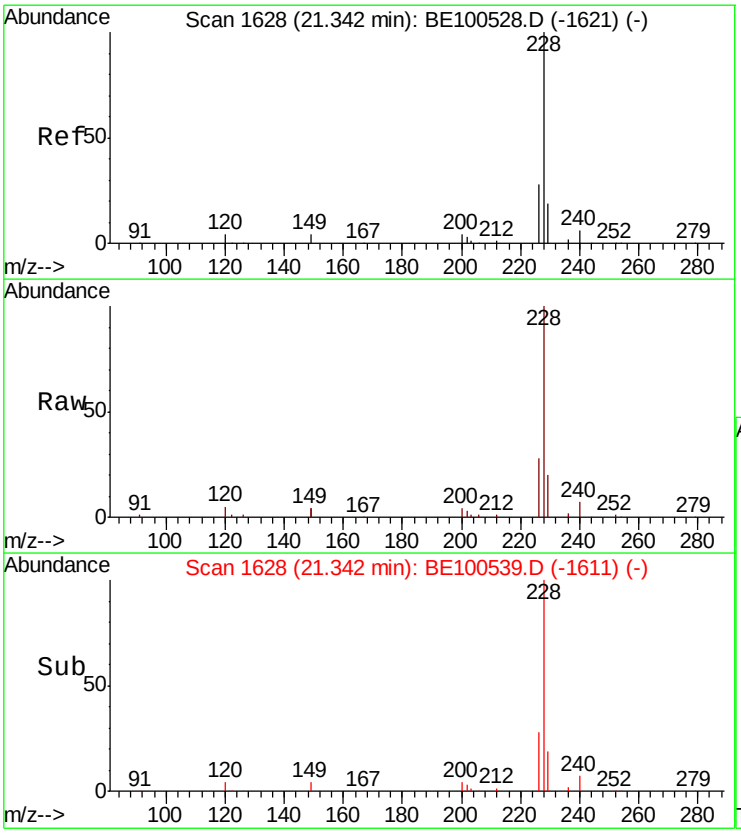
#29
Terphenyl-d14
Concen: 0.410 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:244 Resp: 34218

Ion	Ratio	Lower	Upper
244	100		
212	28.2	22.2	33.2
122	10.0	8.3	12.5

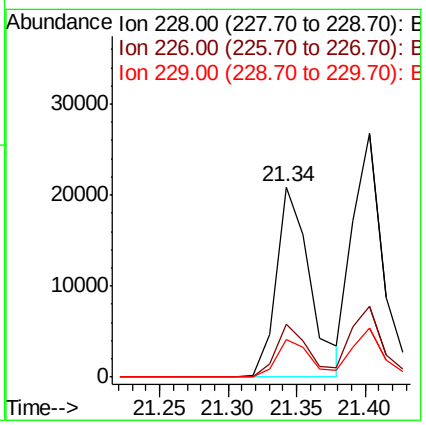


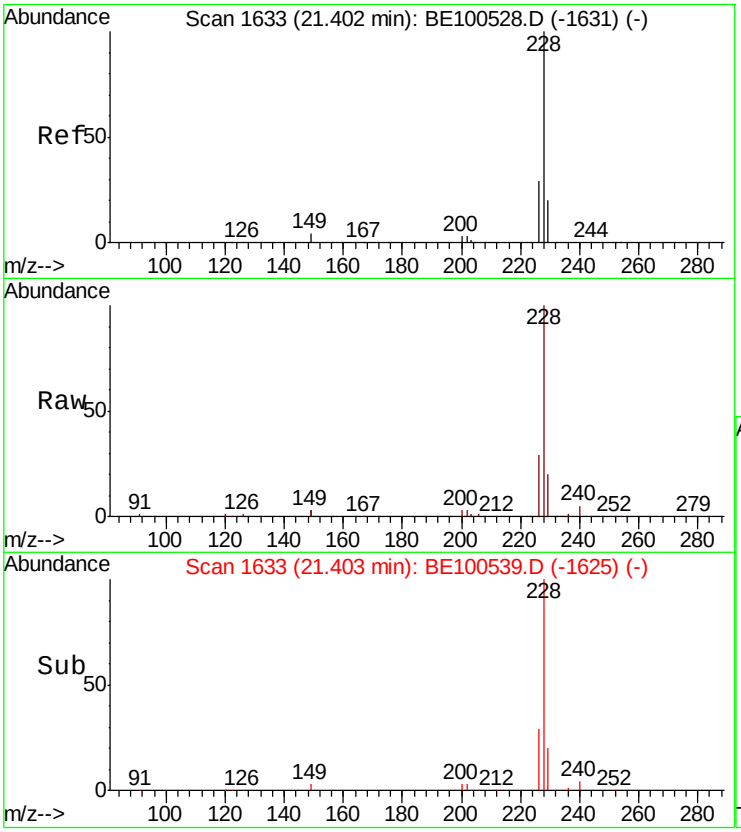


#30
Benzo(a)anthracene
Concen: 0.377 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:228 Resp: 35426

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.5	33.7
229	19.6	15.4	23.2



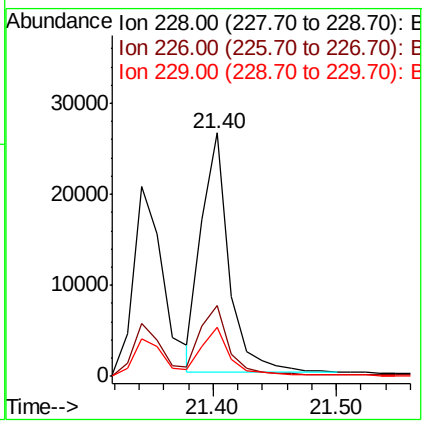


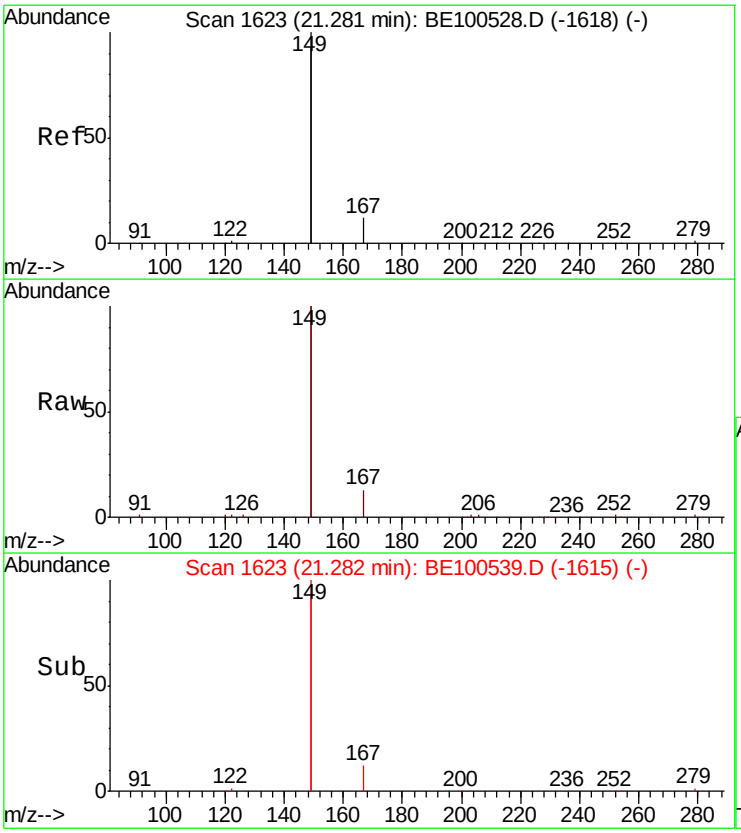
#31
Chrysene
Concen: 0.379 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:228 Resp: 40605

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.3	34.9
229	20.3	16.3	24.5

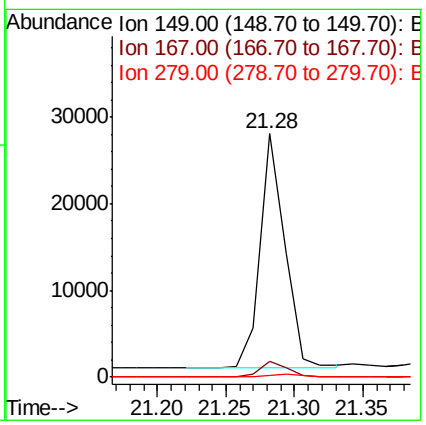


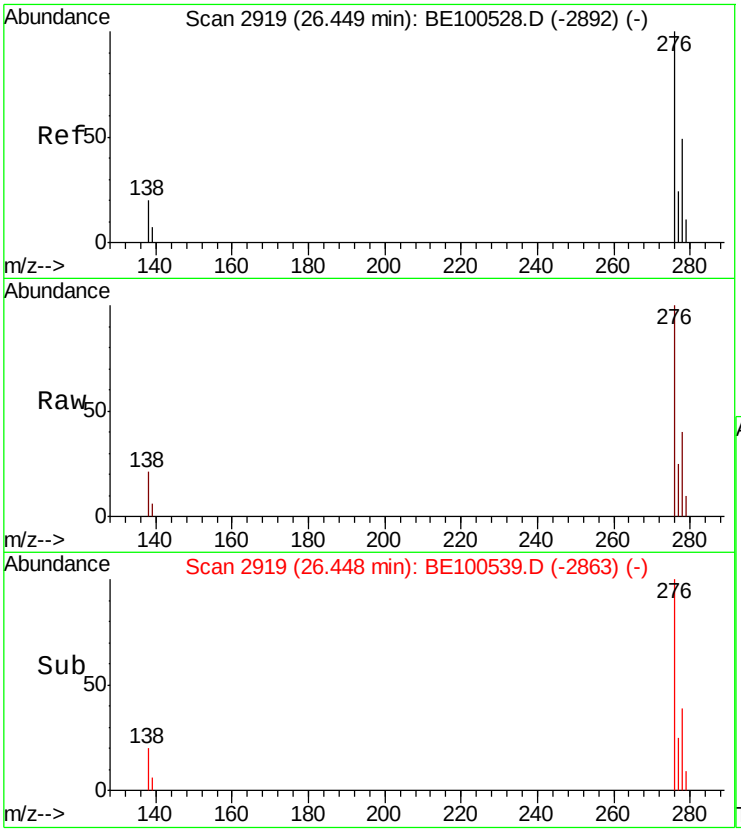


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.336 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:149 Resp: 34018

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.2	7.8
279	1.2	1.0	1.4



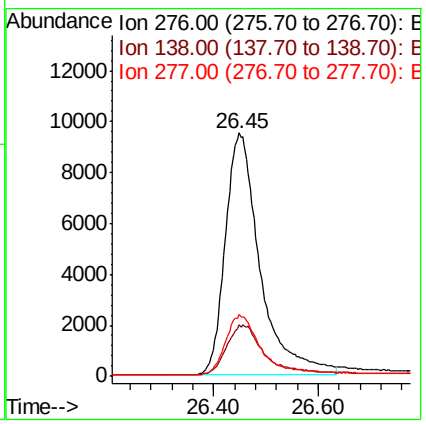


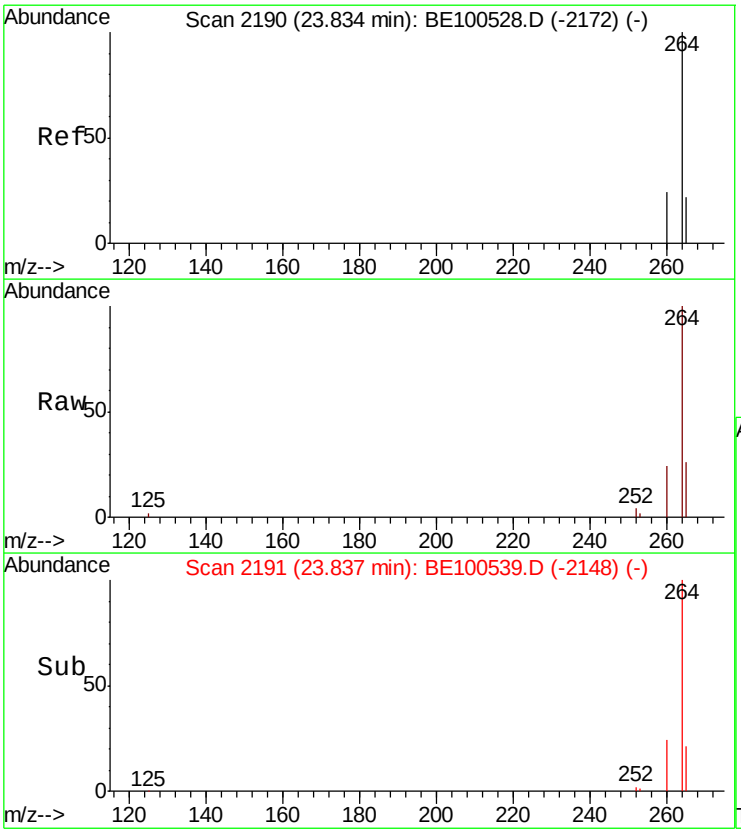
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.369 ng
RT: 26.45 min Scan# 2919
Delta R.T. -0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:276 Resp: 43979

Ion	Ratio	Lower	Upper
276	100		
138	21.6	17.7	26.5
277	25.1	19.9	29.9

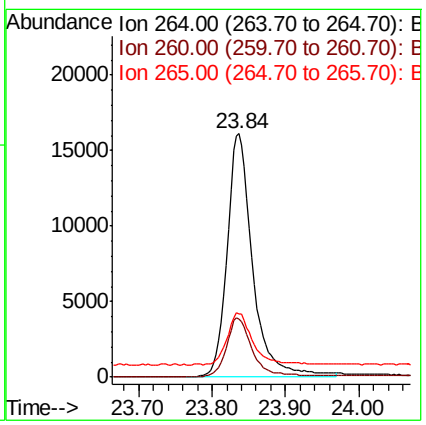


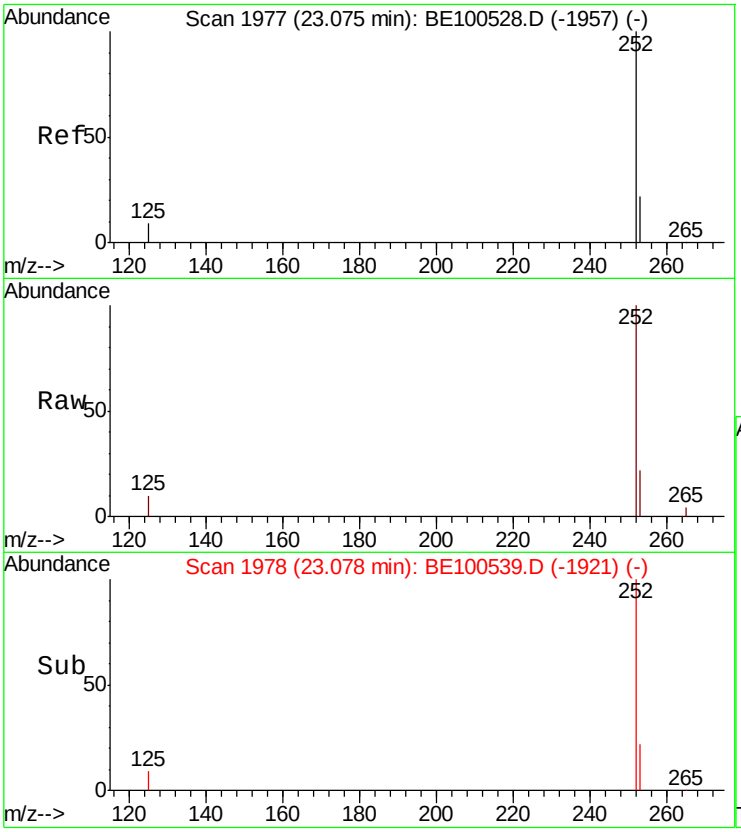


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.84 min Scan# 2191
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:264 Resp: 38910

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.6	29.4
265	26.2	21.8	32.8



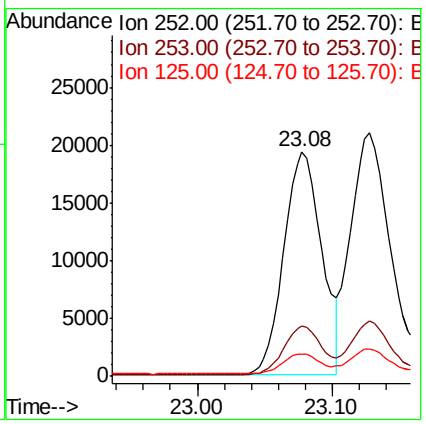


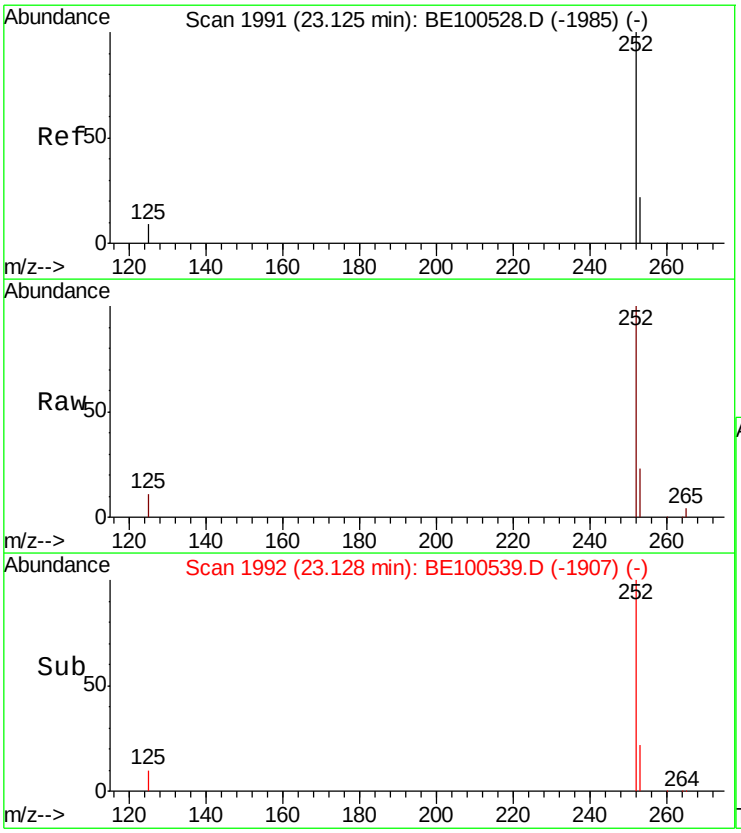
#35
Benzo(b)fluoranthene
Concen: 0.357 ng
RT: 23.08 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:252 Resp: 37560

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.1	27.1
125	10.1	8.0	12.0

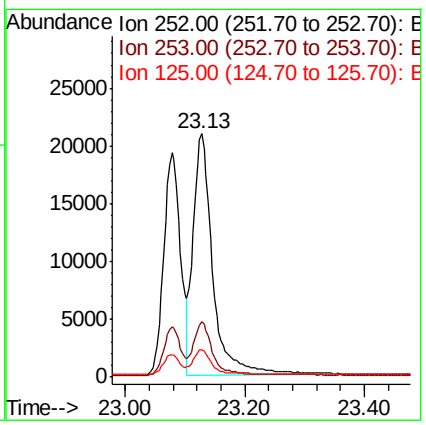


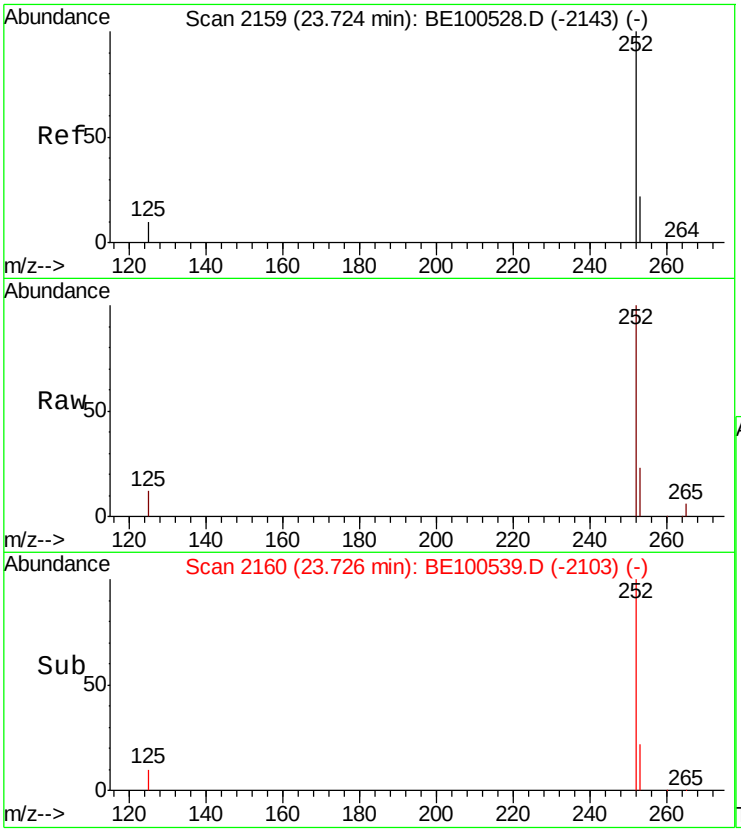


#36
Benzo(k)fluoranthene
Concen: 0.388 ng
RT: 23.13 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:252 Resp: 47220

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	11.2	8.5	12.7



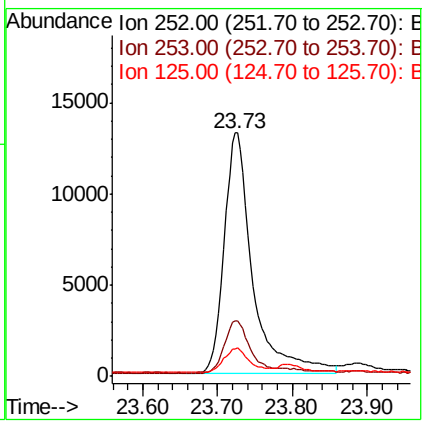


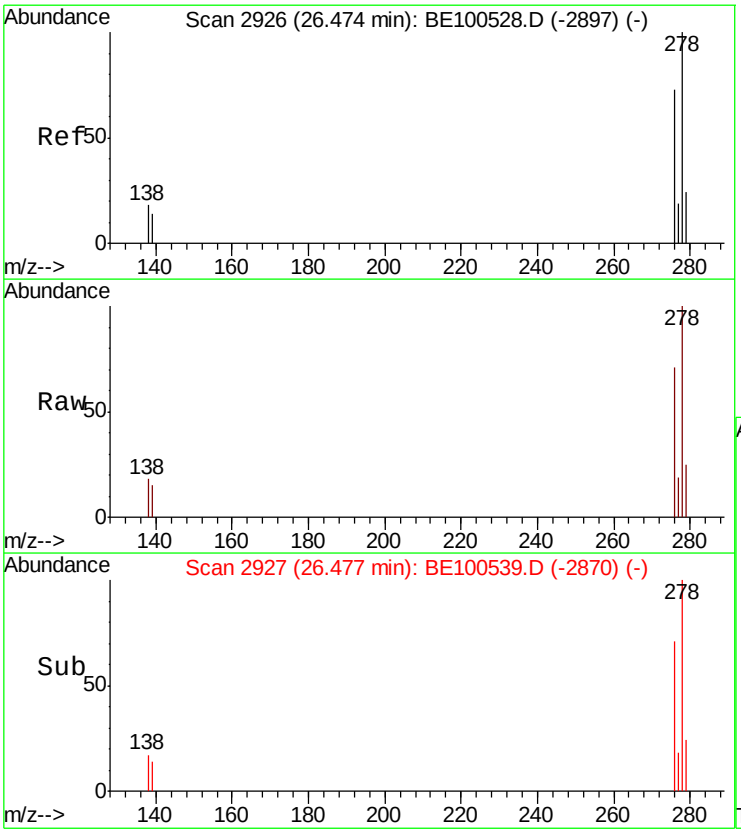
#37
Benzo(a)pyrene
Concen: 0.353 ng
RT: 23.73 min Scan# 2160
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:252 Resp: 34664

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	11.6	9.2	13.8

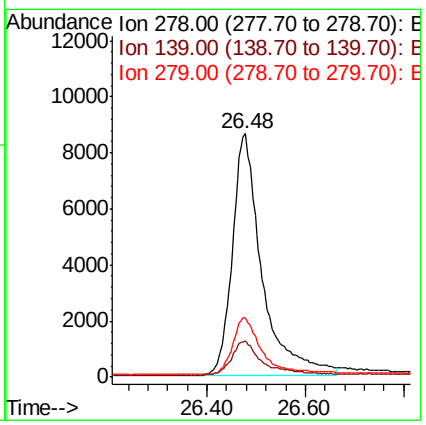


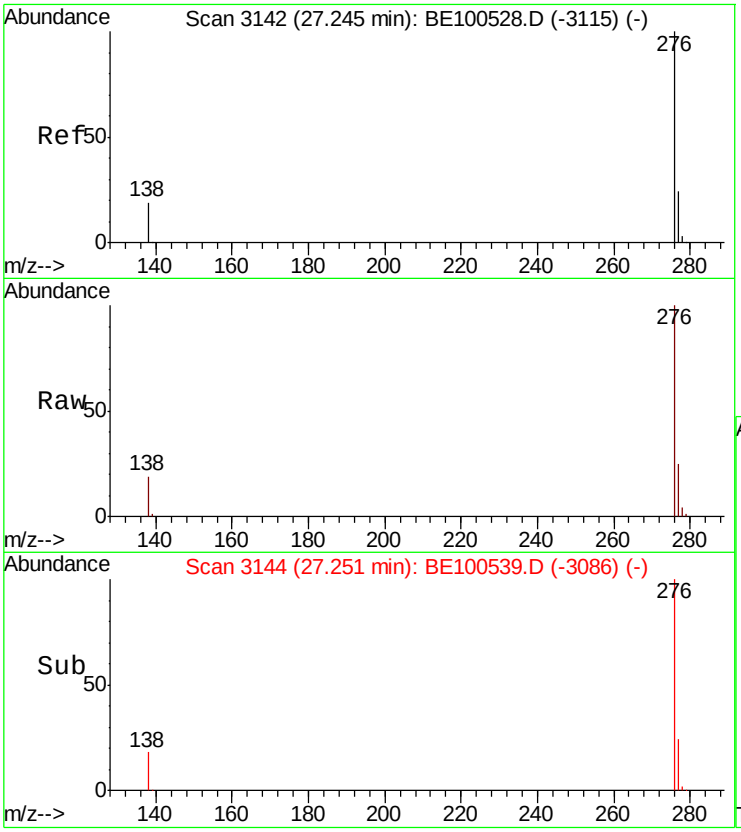


#38
Dibenzo(a,h)anthracene
Concen: 0.354 ng
RT: 26.48 min Scan# 2927
Delta R.T. 0.00 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Tgt Ion:278 Resp: 36176

Ion	Ratio	Lower	Upper
278	100		
139	14.9	11.6	17.4
279	24.5	19.7	29.5





#39
Benzo(g,h,i)perylene
Concen: 0.370 ng
RT: 27.25 min Scan# 3144
Delta R.T. 0.01 min
Lab File: BE100539.D
Acq: 23 Sep 2019 14:36

Instrument :
BNA_E
ClientSampleId :
PB123166BS

Tgt Ion:276 Resp: 39558

Ion	Ratio	Lower	Upper
276	100		
277	24.5	19.2	28.8
138	19.0	15.7	23.5