Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062619\
Data File : BE100189.D
Acq On : 26 Jun 2019 11:28
Operator : JU/SJ
Sample : PB120704BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB120704BS

Quant Time: Jun 27 04:43:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 15:40:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	516	0.40	ng		0.00
7) Naphthalene-d8	10.47	136	1779	0.40	ng		0.00
13) Acenaphthene-d10	14.34	164	1370	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	4286	0.40	ng		0.00
27) Chrysene-d12	21.28	240	6698	0.40	ng		0.00
34) Perylene-d12	23.73	264	7185	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	464	0.40	ng		0.00
5) Phenol-d6	6.86	99	601	0.38	ng		-0.01
8) Nitrobenzene-d5	8.85	82	709	0.40	ng		0.00
11) 2-Methylnaphthalene-d10	12.08	152	1375	0.41	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	327	0.41	ng		0.00
15) 2-Fluorobiphenyl	12.99	172	2325	0.42	ng		0.01
25) Fluoranthene-d10	19.13	212	23460	0.38	ng		0.00
29) Terphenyl-d14	19.73	244	4711	0.36	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	336	0.416	ng	#	94
3) n-Nitrosodimethylamine	3.53	42	105	0.351	ng	#	11
6) bis(2-Chloroethyl)ether	7.11	93	520	0.360	ng	#	91
9) Naphthalene	10.51	128	8387	0.432	ng		99
10) Hexachlorobutadiene	10.78	225	874	0.436	ng		99
12) 2-Methylnaphthalene	12.15	142	1315	0.421	ng		98
16) Acenaphthylene	14.07	152	2785	0.417	ng		99
17) Acenaphthene	14.41	154	1494	0.399	ng		93
18) Fluorene	15.39	166	2393	0.442	ng		98
20) 4-Bromophenyl-phenylether	16.29	248	1084	0.408	ng		97
21) Hexachlorobenzene	16.40	284	1222	0.419	ng		98
22) Pentachlorophenol	16.75	266	2165	2.474	ng	#	76
23) Phenanthrene	17.13	178	4366	0.430	ng		99
24) Anthracene	17.23	178	3456	0.403	ng		99
26) Fluoranthene	19.16	202	6819	0.413	ng		100
28) Pyrene	19.52	202	6729	0.392	ng		99
30) Benzo(a)anthracene	21.26	228	7723	0.391	ng		96
31) Chrysene	21.32	228	8458	0.365	ng		99
32) Bis(2-ethylhexyl)phthalate	21.19	149	6139	0.270	ng	#	99
33) Indeno(1,2,3-cd)pyrene	26.31	276	11260	0.342	ng	#	94
35) Benzo(b)fluoranthene	22.97	252	8949	0.463	ng	#	94
36) Benzo(k)fluoranthene	23.02	252	9711	0.420	ng		99
37) Benzo(a)pyrene	23.62	252	8746	0.437	ng	#	91
38) Dibenzo(a,h)anthracene	26.33	278	8836	0.413	ng		98
39) Benzo(g,h,i)perylene	27.09	276	9024	0.404	ng		99

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

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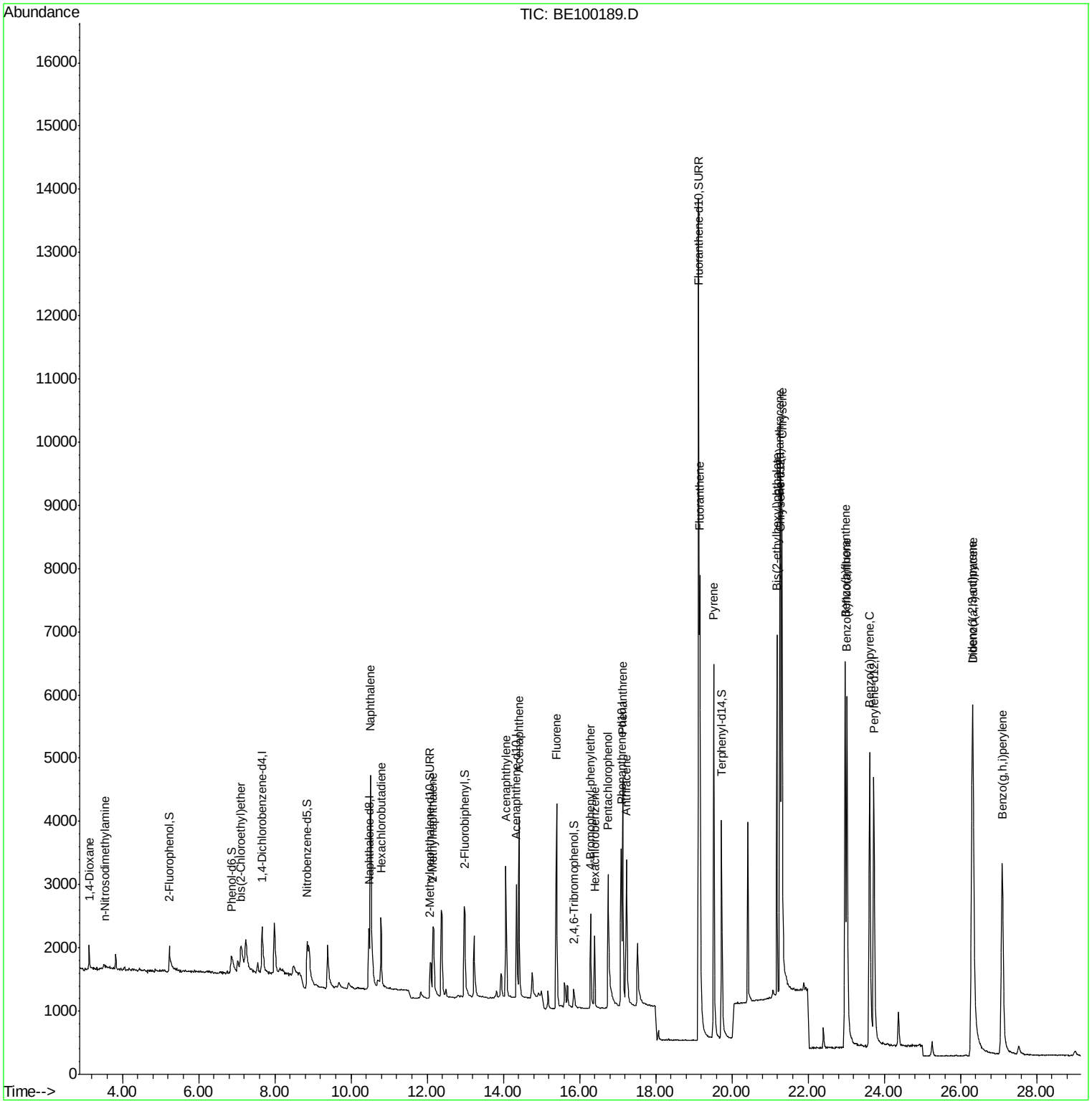
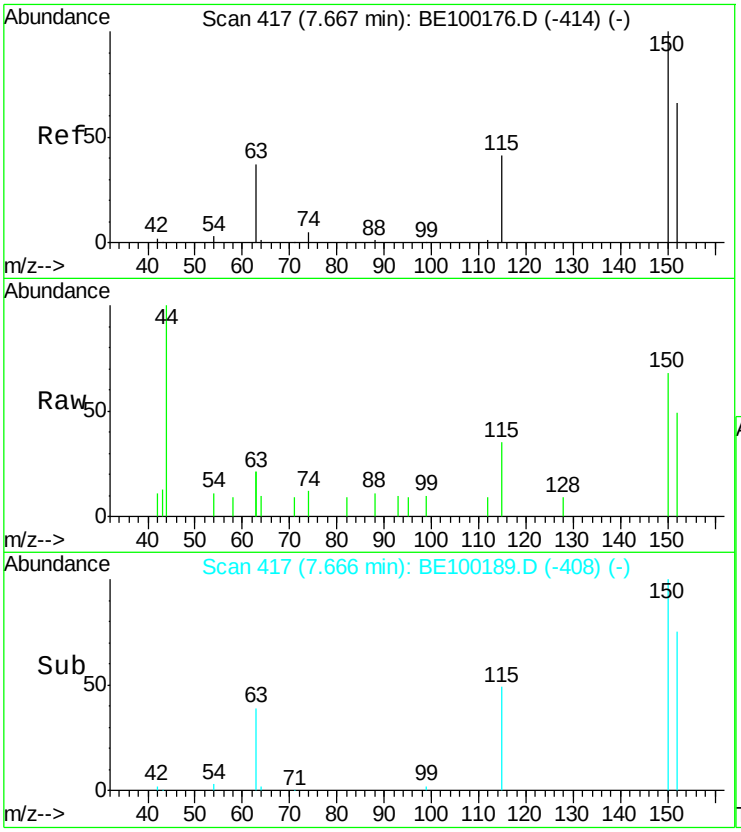
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Quant Time: Jun 27 04:43:03 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE062519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 25 15:40:27 2019
Response via : Initial Calibration



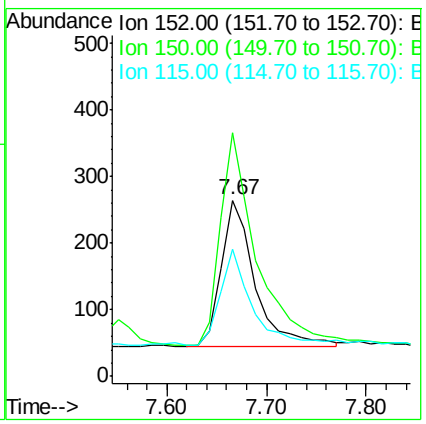


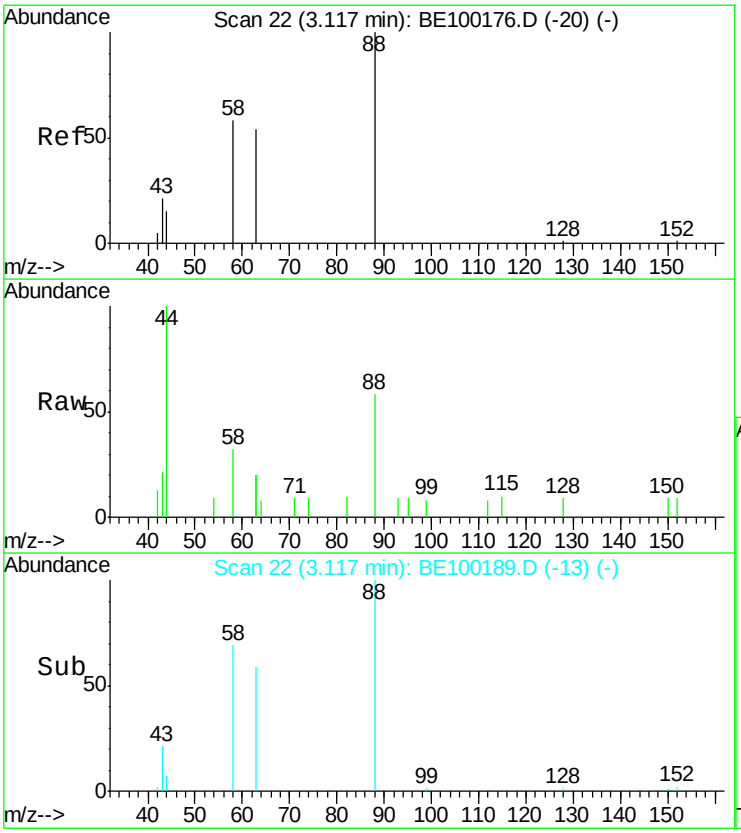
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.67 min Scan# 417
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:152 Resp: 516

Ion	Ratio	Lower	Upper
152	100		
150	138.6	113.4	170.2
115	72.0	55.8	83.6

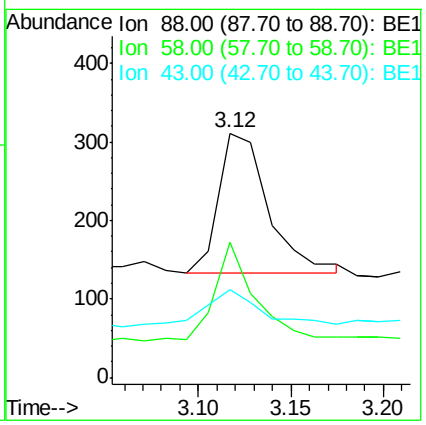


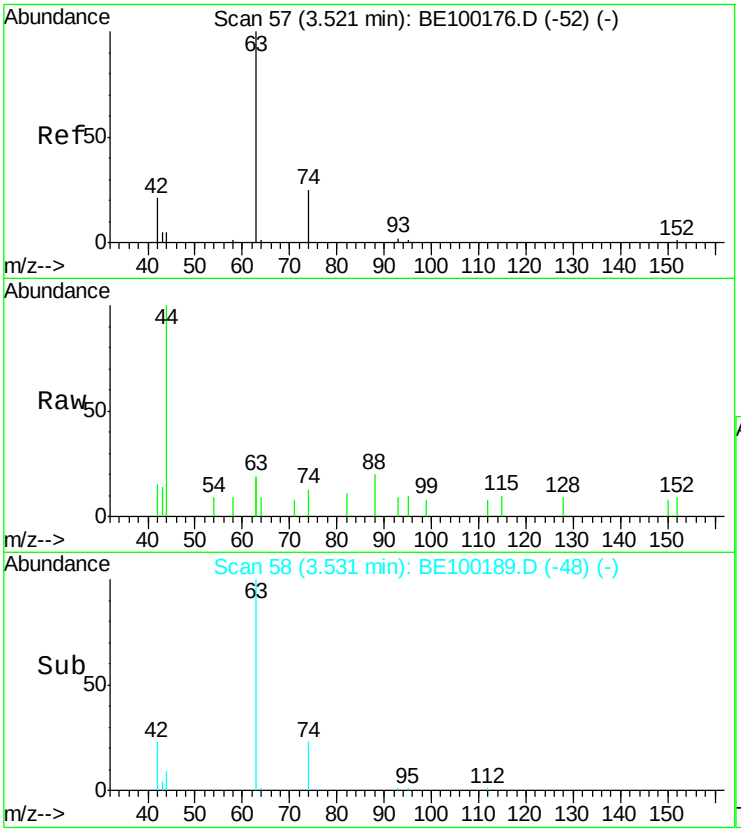


#2
1,4-Dioxane
Concen: 0.416 ng
RT: 3.12 min Scan# 22
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion: 88 Resp: 336

Ion	Ratio	Lower	Upper
88	100		
58	55.7	43.8	65.6
43	32.7	19.4	29.2#



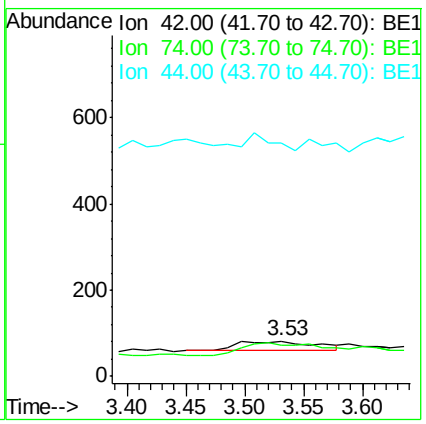


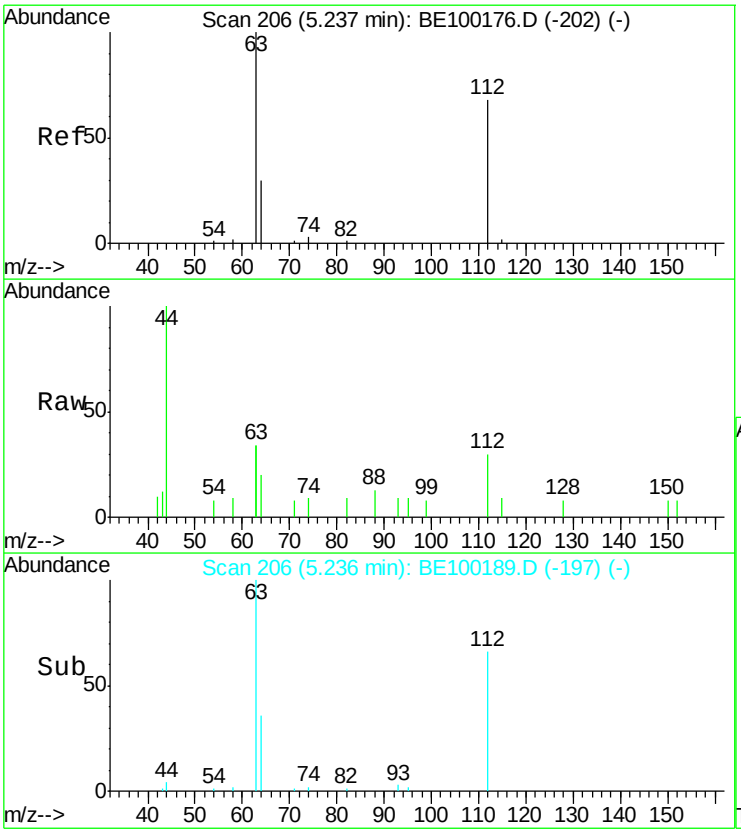
#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.53 min Scan# 58
Delta R.T. 0.01 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion: 42 Resp: 105

Ion	Ratio	Lower	Upper
42	100		
74	118.1	193.2	289.8#
44	0.0	114.5	171.7#

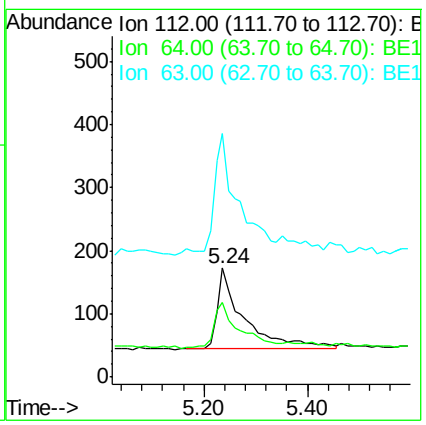


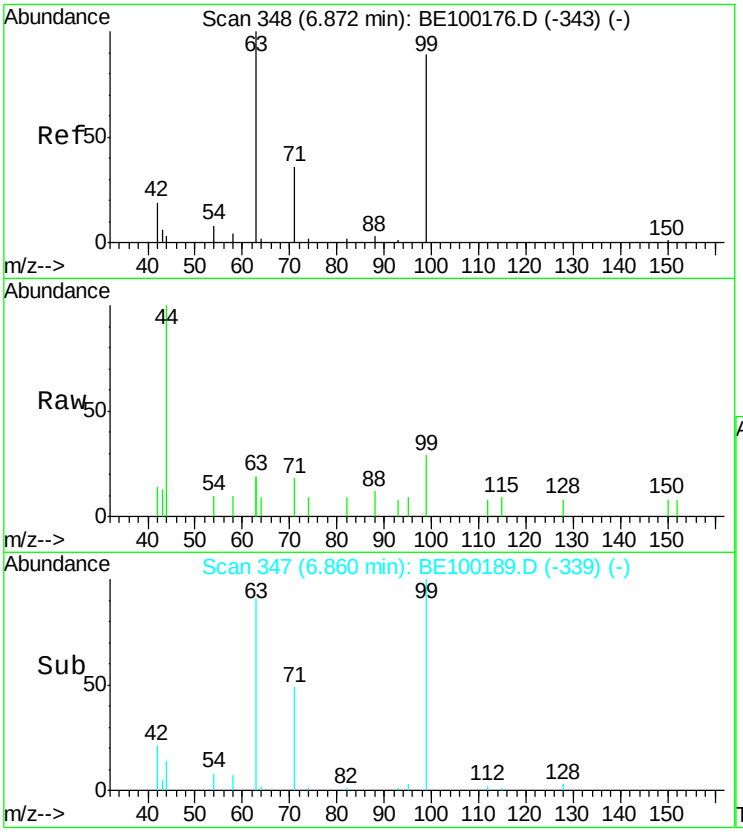


#4
2-Fluorophenol
Concen: 0.404 ng
RT: 5.24 min Scan# 206
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:112 Resp: 464

Ion	Ratio	Lower	Upper
112	100		
64	53.7	40.7	61.1
63	120.0	93.2	139.8



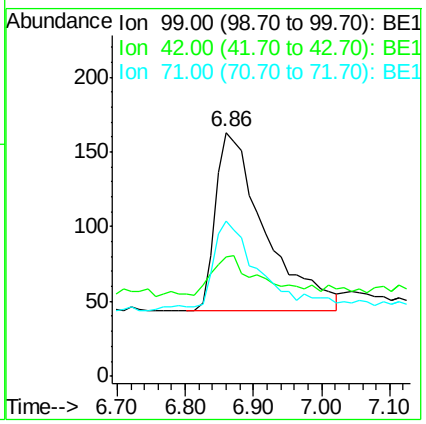


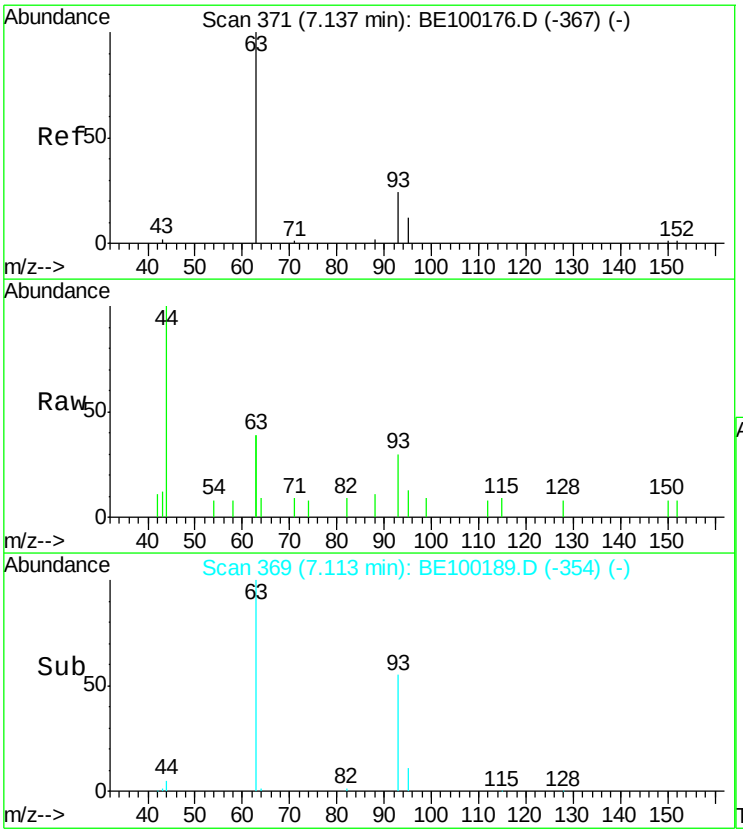
#5
Phenol-d6
Concen: 0.381 ng
RT: 6.86 min Scan# 347
Delta R.T. -0.01 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion: 99 Resp: 601

Ion	Ratio	Lower	Upper
99	100		
42	18.8	10.4	15.6#
71	44.4	32.4	48.6

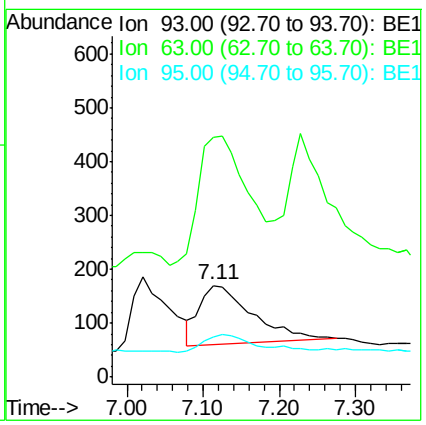


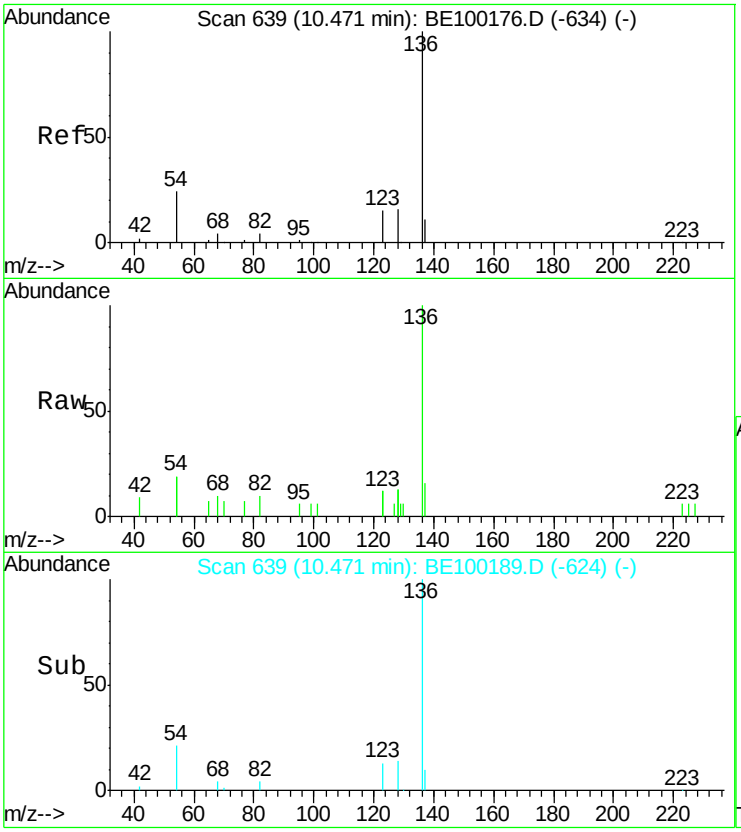


#6
bis(2-Chloroethyl)ether
Concen: 0.360 ng
RT: 7.11 min Scan# 369
Delta R.T. -0.02 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion: 93 Resp: 520

Ion	Ratio	Lower	Upper
93	100		
63	202.7	0.0	0.0#
95	30.8	21.0	31.6



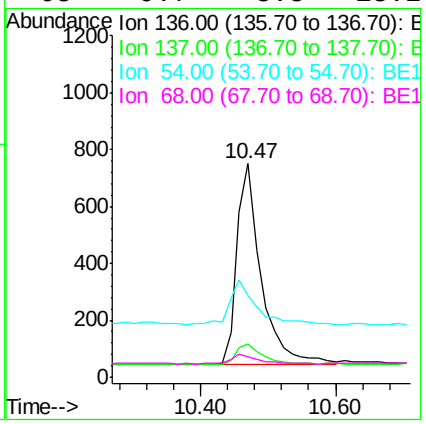


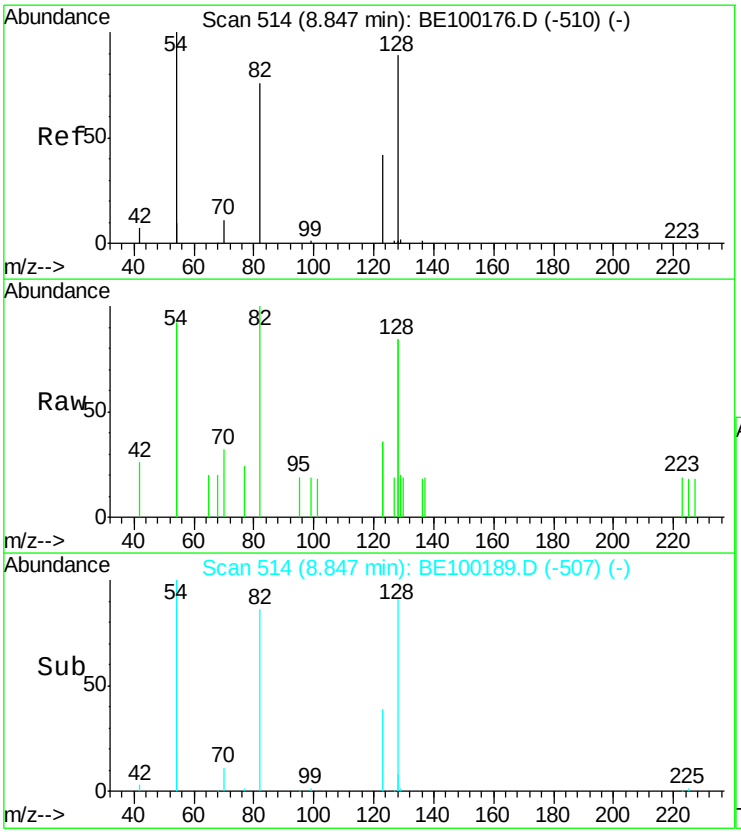
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:136 Resp: 1779

Ion	Ratio	Lower	Upper
136	100		
137	15.7	13.8	20.8
54	38.6	35.4	53.2
68	9.7	8.8	13.2

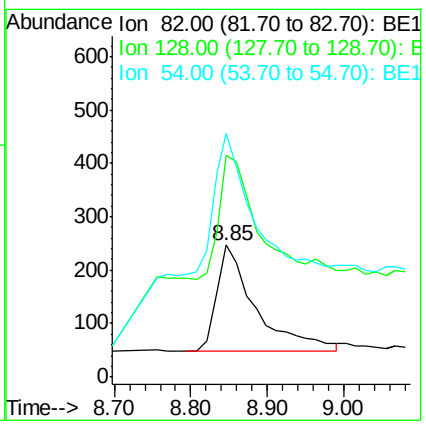


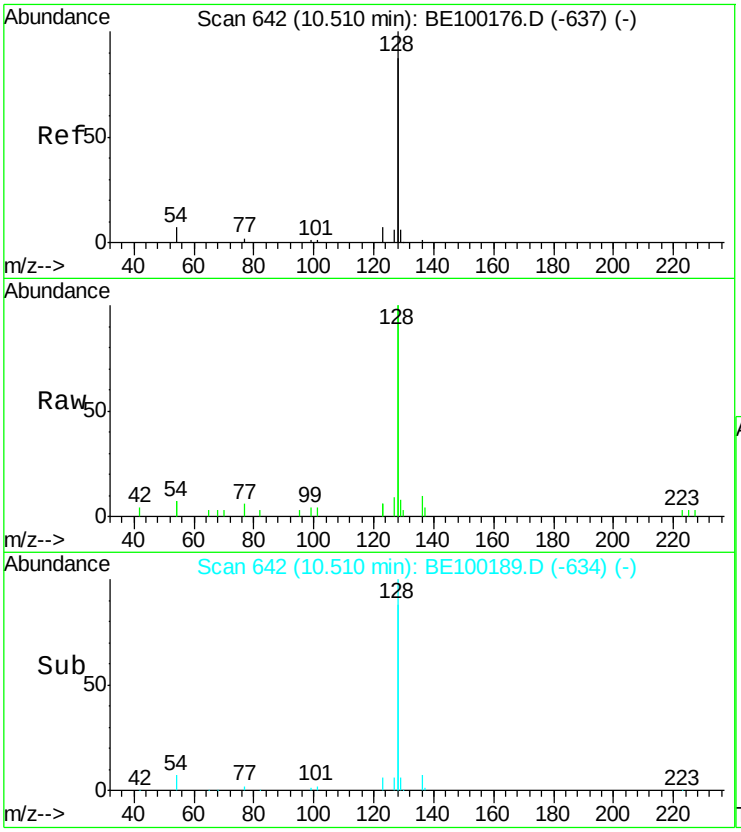


#8
Nitrobenzene-d5
Concen: 0.400 ng
RT: 8.85 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion: 82 Resp: 709

Ion	Ratio	Lower	Upper
82	100		
128	167.6	144.6	217.0
54	184.6	163.0	244.6



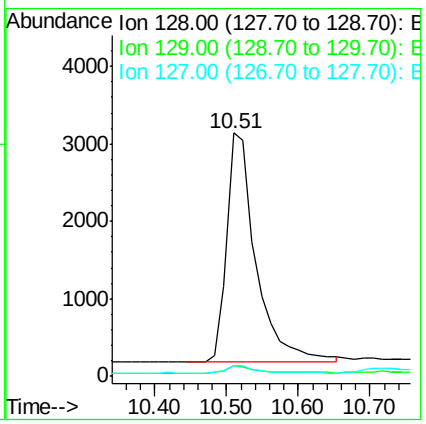


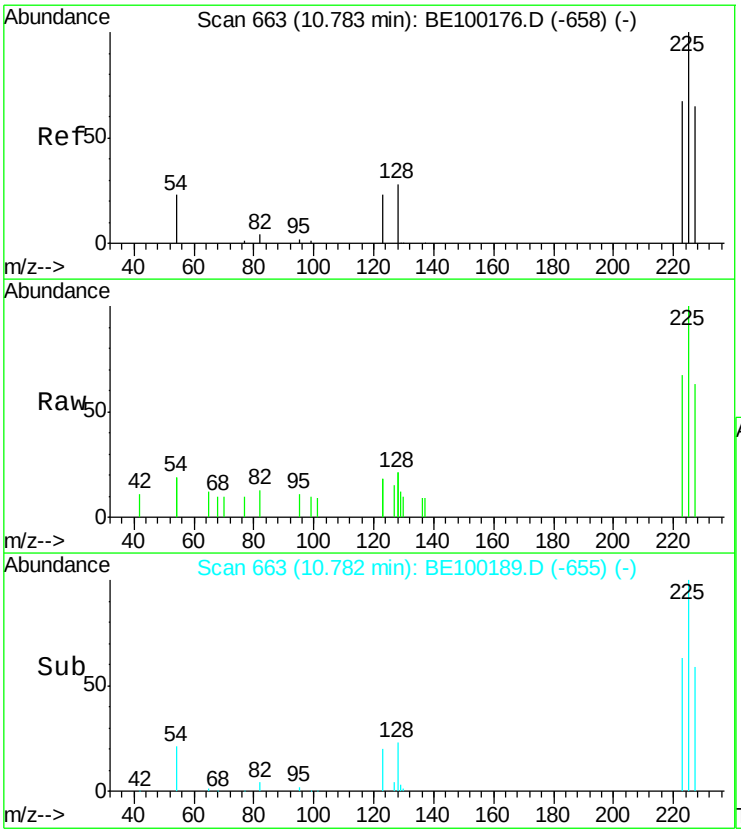
#9
Naphthalene
Concen: 0.432 ng
RT: 10.51 min Scan# 642
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:128 Resp: 8387

Ion	Ratio	Lower	Upper
128	100		
129	4.2	3.6	5.4
127	4.5	3.8	5.8

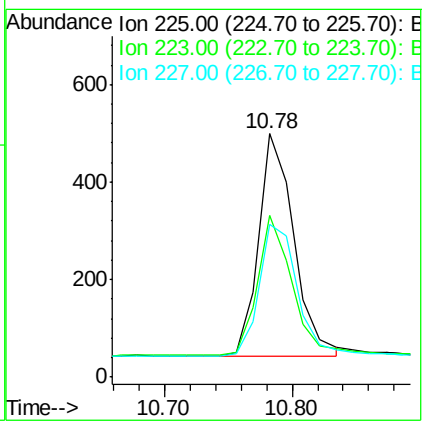


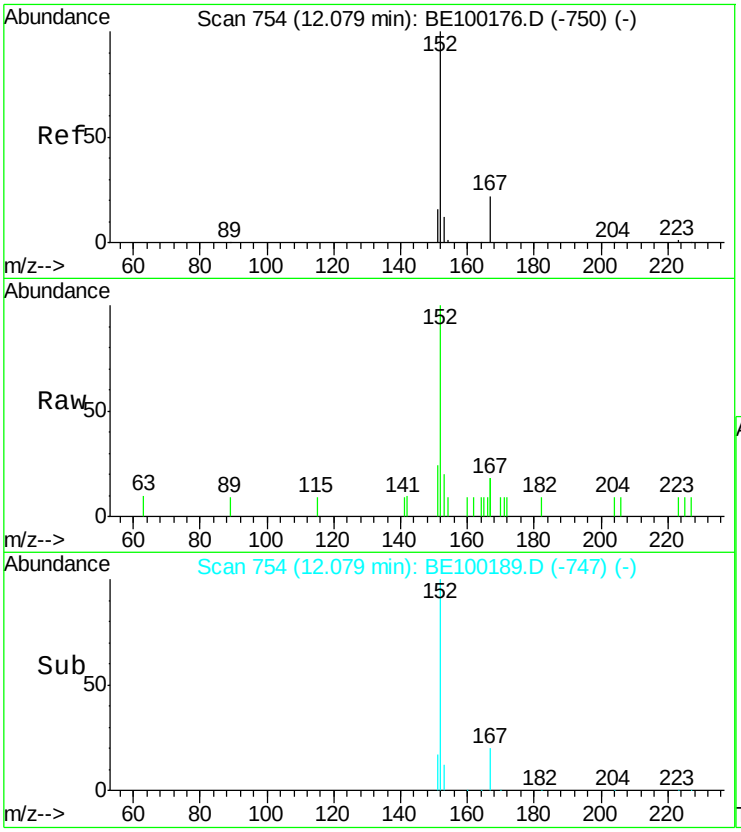


#10
Hexachlorobutadiene
Concen: 0.436 ng
RT: 10.78 min Scan# 663
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:225 Resp: 874

Ion	Ratio	Lower	Upper
225	100		
223	61.2	50.1	75.1
227	64.1	50.9	76.3



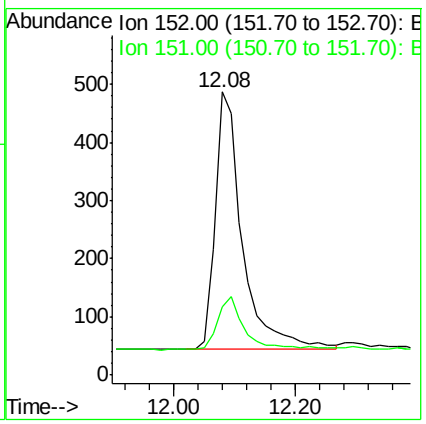


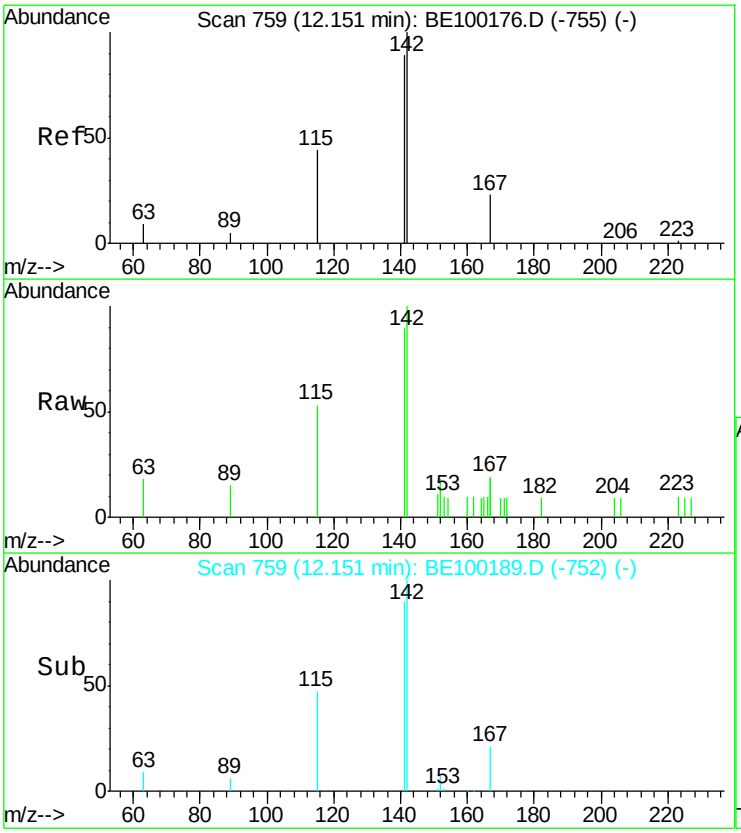
#11
2-Methylnaphthalene-d10
Concen: 0.412 ng
RT: 12.08 min Scan# 754
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:152 Resp: 1375

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.3	24.5

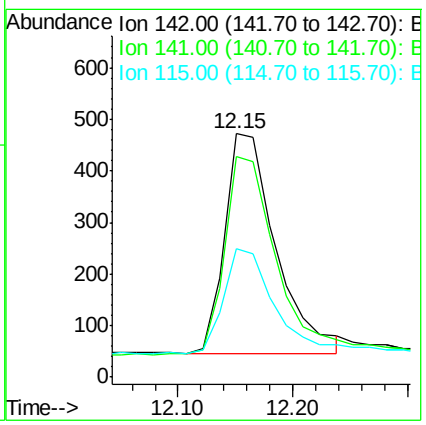


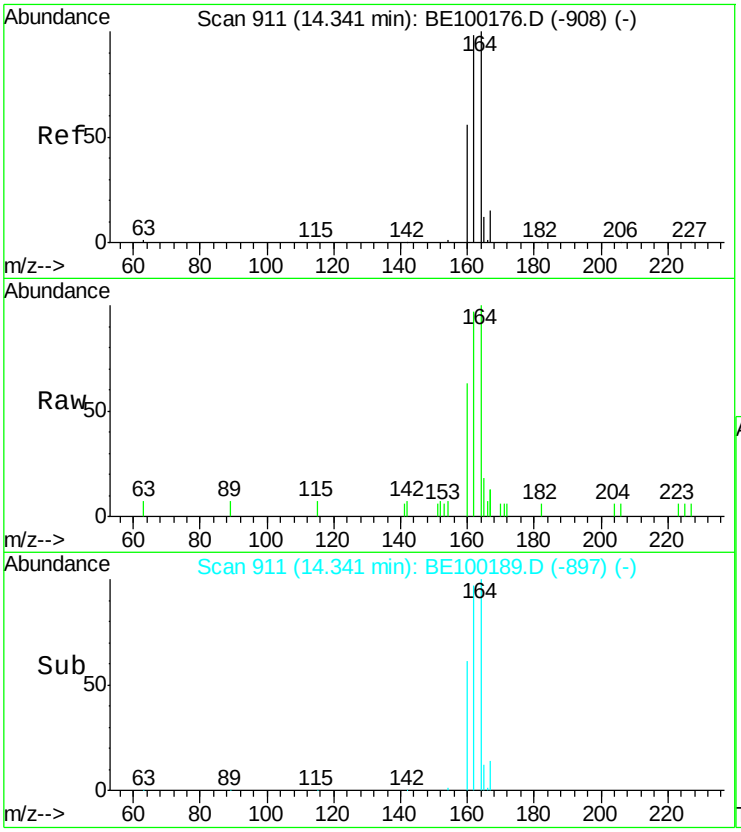


#12
2-Methylnaphthalene
Concen: 0.421 ng
RT: 12.15 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:142 Resp: 1315

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.8	107.8
115	52.8	40.4	60.6



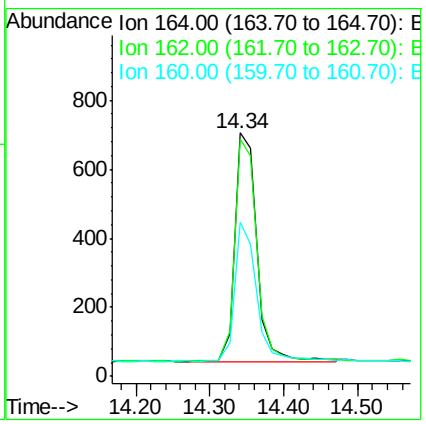


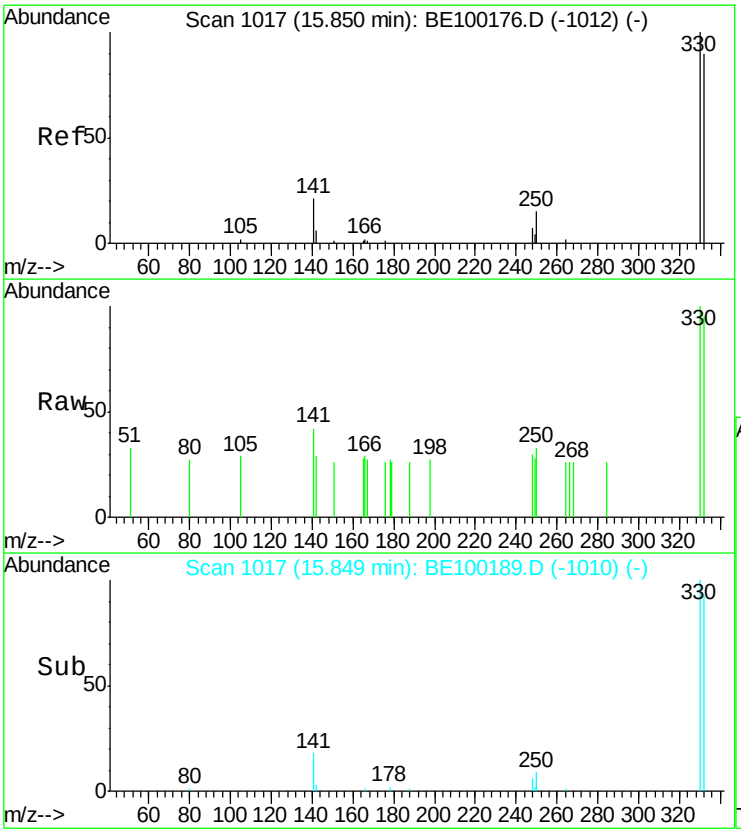
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 911
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:164 Resp: 1370

Ion	Ratio	Lower	Upper
164	100		
162	97.2	78.6	118.0
160	63.3	46.9	70.3

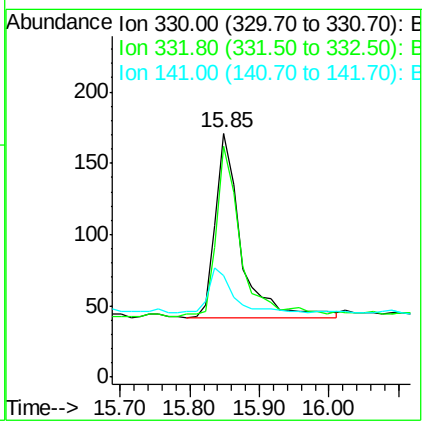


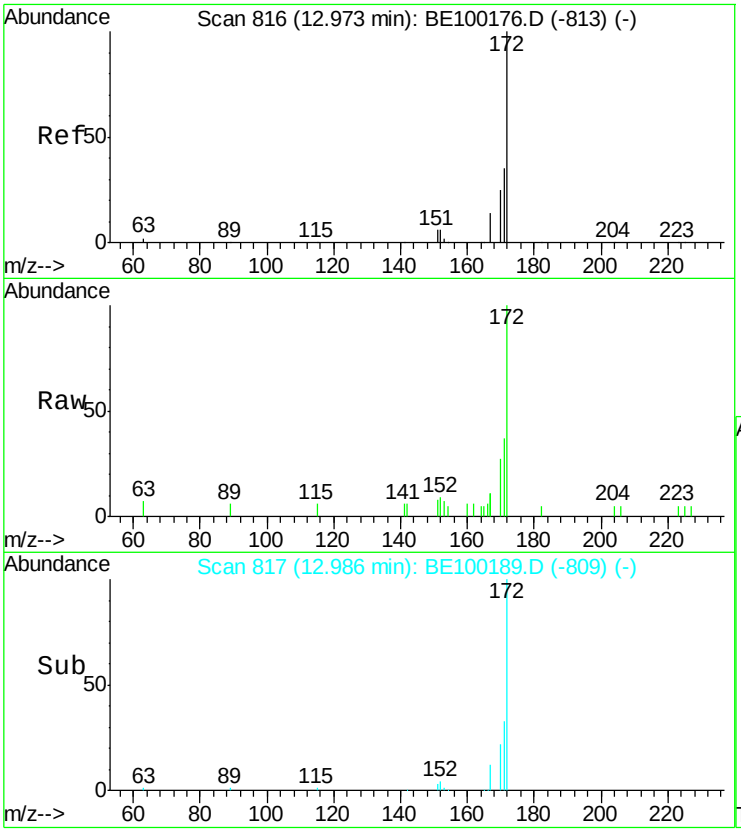


#14
2,4,6-Tribromophenol
Concen: 0.412 ng
RT: 15.85 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:330 Resp: 327

Ion	Ratio	Lower	Upper
330	100		
332	86.9	77.7	116.5
141	24.2	18.9	28.3



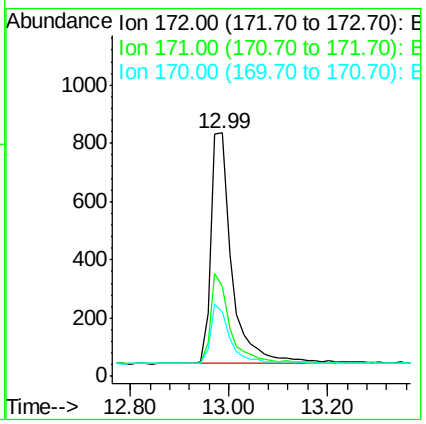


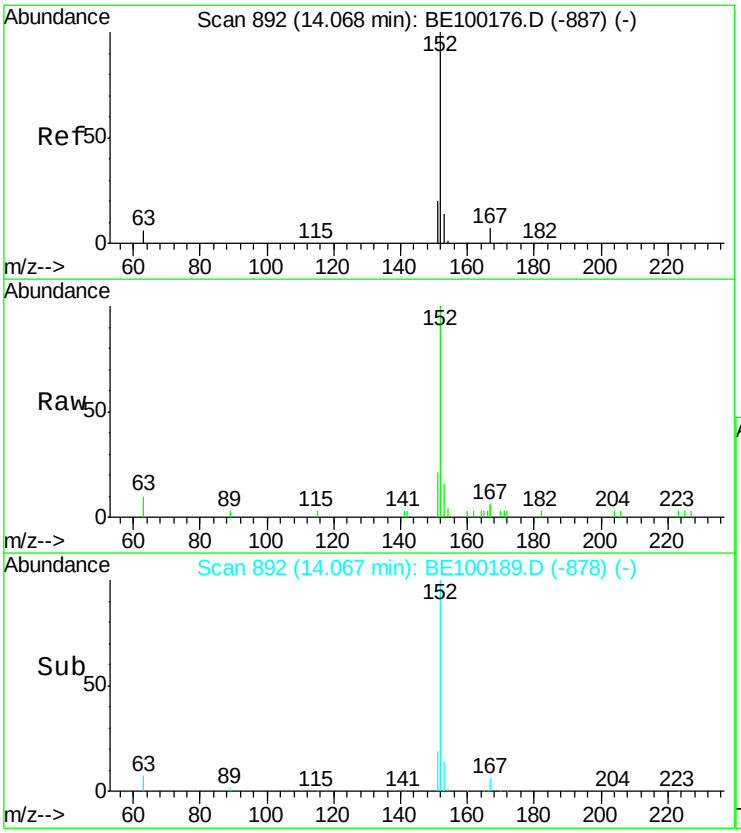
#15
2-Fluorobiphenyl
Concen: 0.423 ng
RT: 12.99 min Scan# 817
Delta R.T. 0.01 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:172 Resp: 2325

Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.0	46.4
170	26.6	23.9	35.9

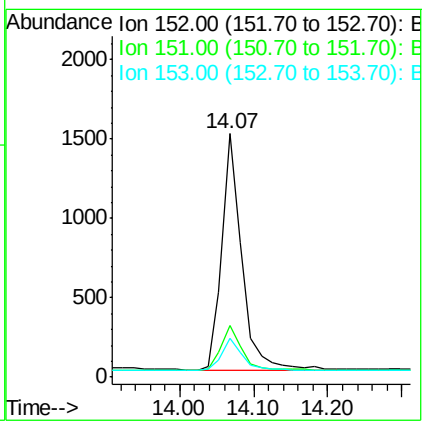


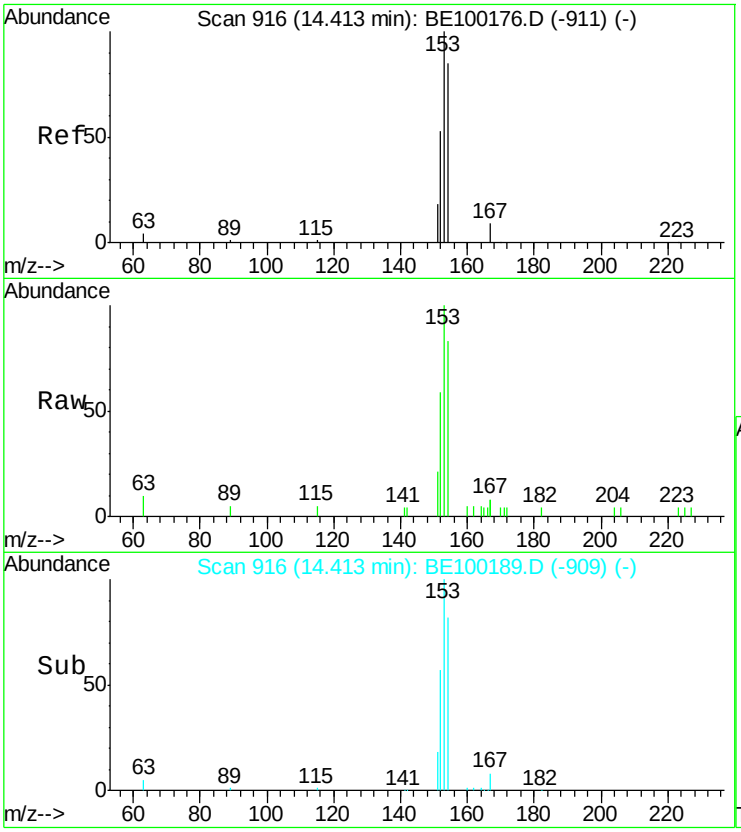


#16
Acenaphthylene
Concen: 0.417 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:152 Resp: 2785

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.0
153	14.1	10.8	16.2



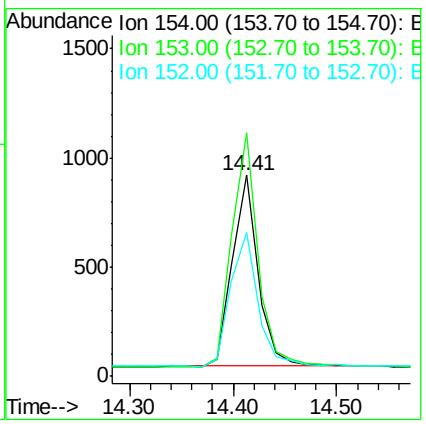


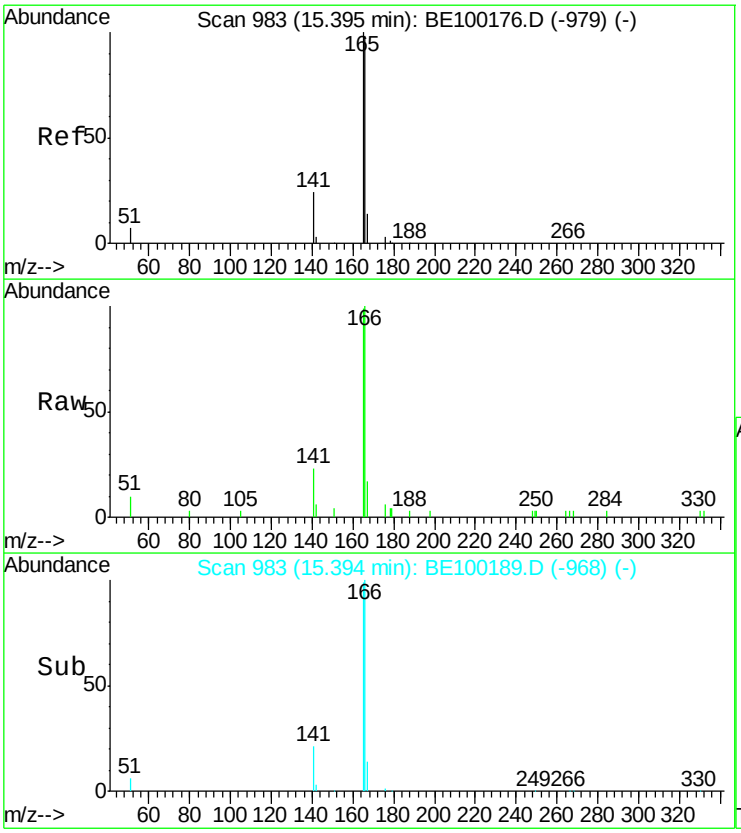
#17
Acenaphthene
Concen: 0.399 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:154 Resp: 1494

Ion	Ratio	Lower	Upper
154	100		
153	124.9	95.3	142.9
152	74.7	52.9	79.3

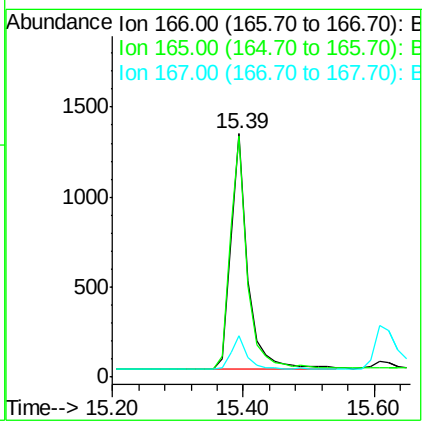


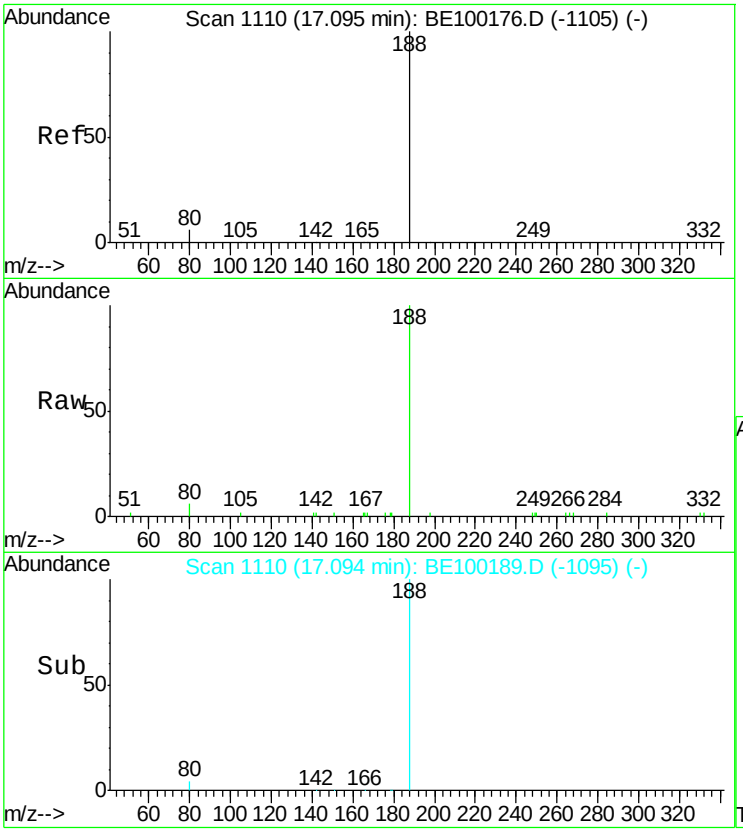


#18
Fluorene
Concen: 0.442 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:166 Resp: 2393

Ion	Ratio	Lower	Upper
166	100		
165	99.6	81.0	121.4
167	13.6	11.4	17.0



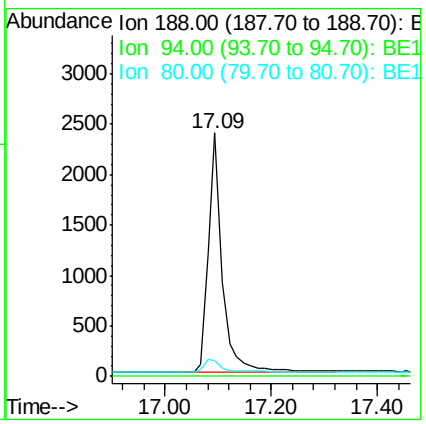


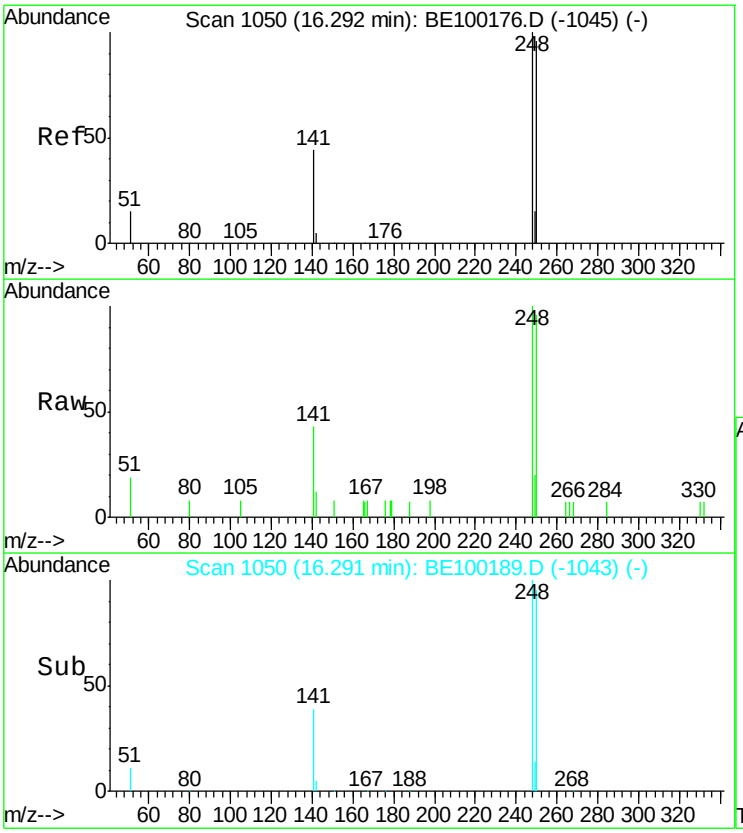
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:188 Resp: 4286

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.3	6.4	9.6#

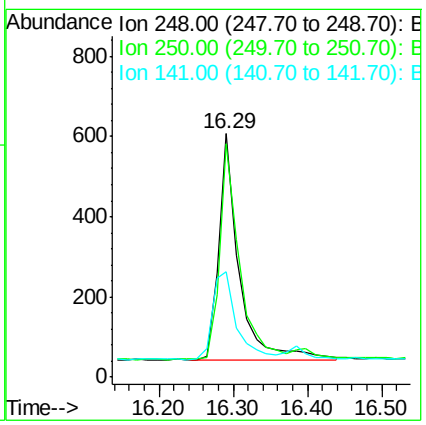


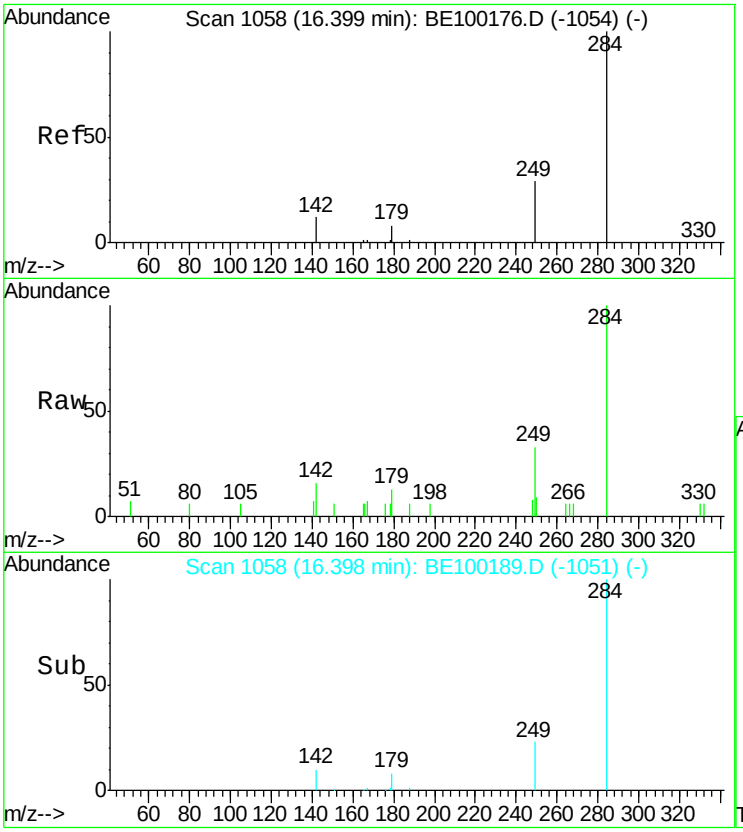


#20
4-Bromophenyl-phenylether
Concen: 0.408 ng
RT: 16.29 min Scan# 1050
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:248 Resp: 1084

Ion	Ratio	Lower	Upper
248	100		
250	96.0	77.1	115.7
141	43.3	39.5	59.3



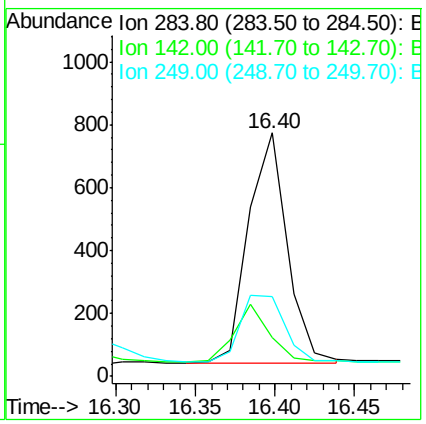


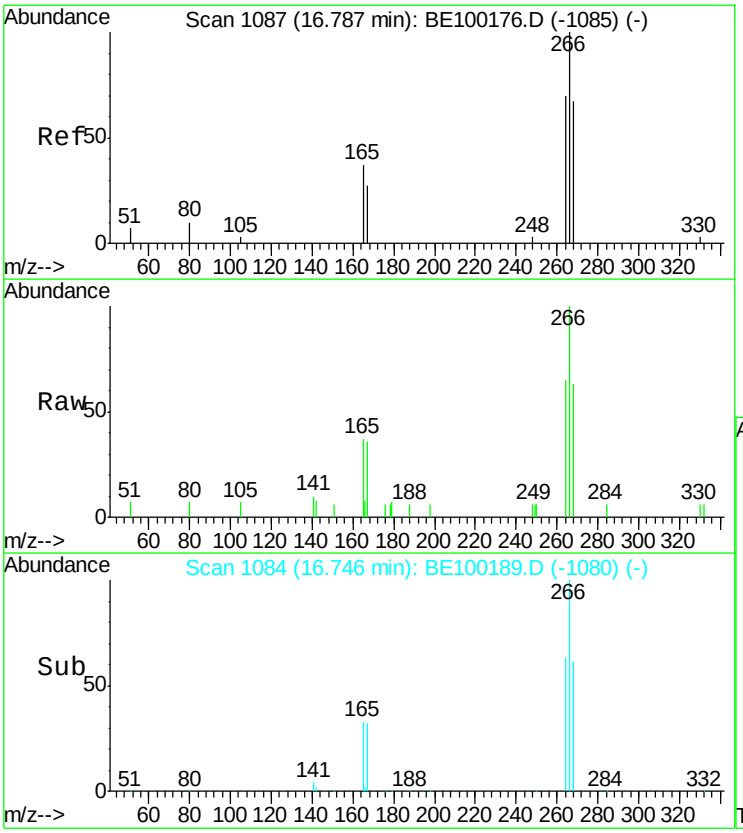
#21
Hexachlorobenzene
Concen: 0.419 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:284 Resp: 1222

Ion	Ratio	Lower	Upper
284	100		
142	22.8	20.1	30.1
249	32.7	26.2	39.4

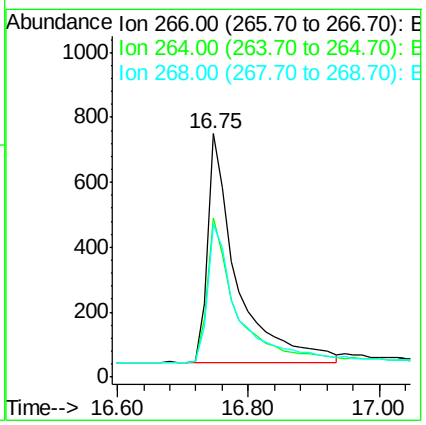


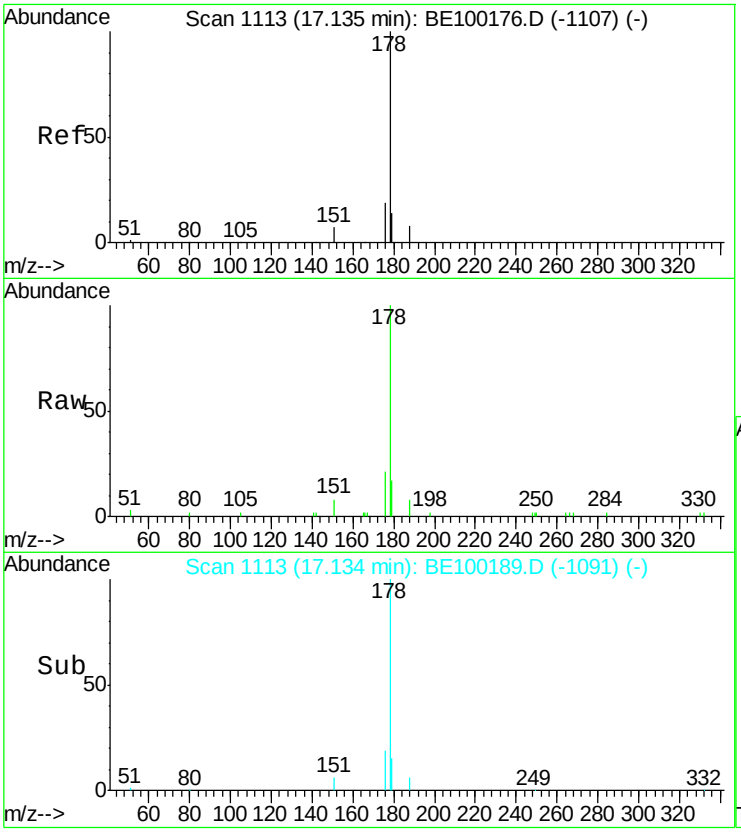


#22
Pentachlorophenol
Concen: 2.474 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.04 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:266 Resp: 2165

Ion	Ratio	Lower	Upper
266	100		
264	65.5	67.7	101.5#
268	62.9	69.8	104.6#



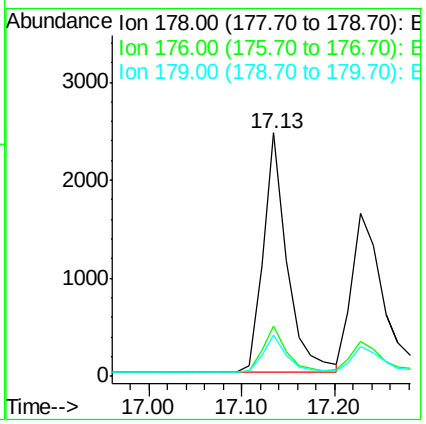


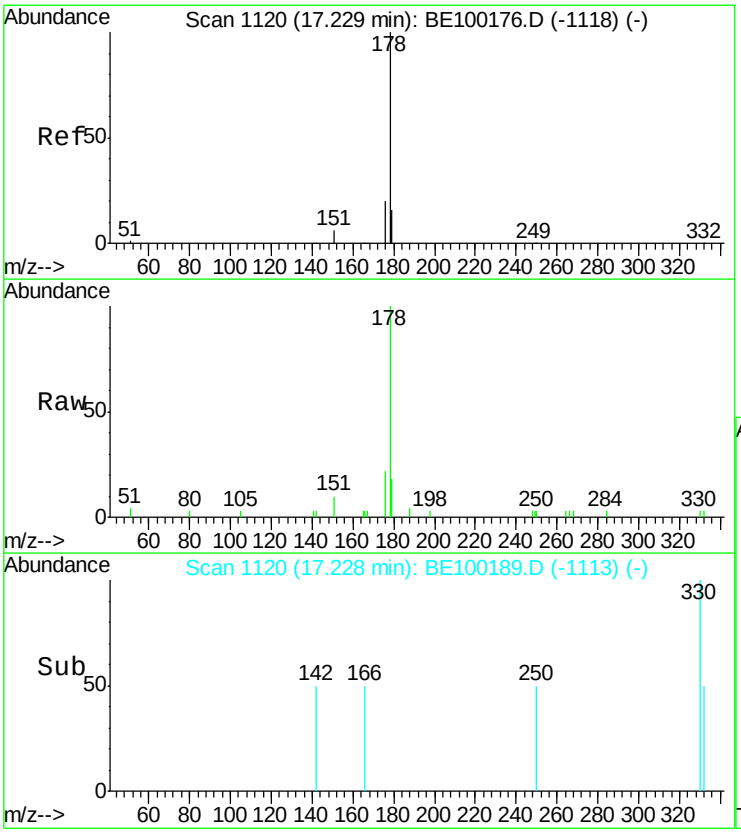
#23
Phenanthrene
Concen: 0.430 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:178 Resp: 4366

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.0	12.2	18.2

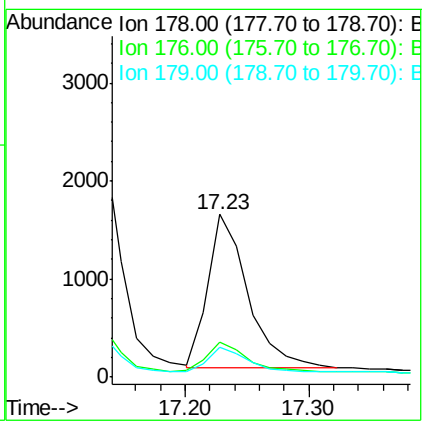


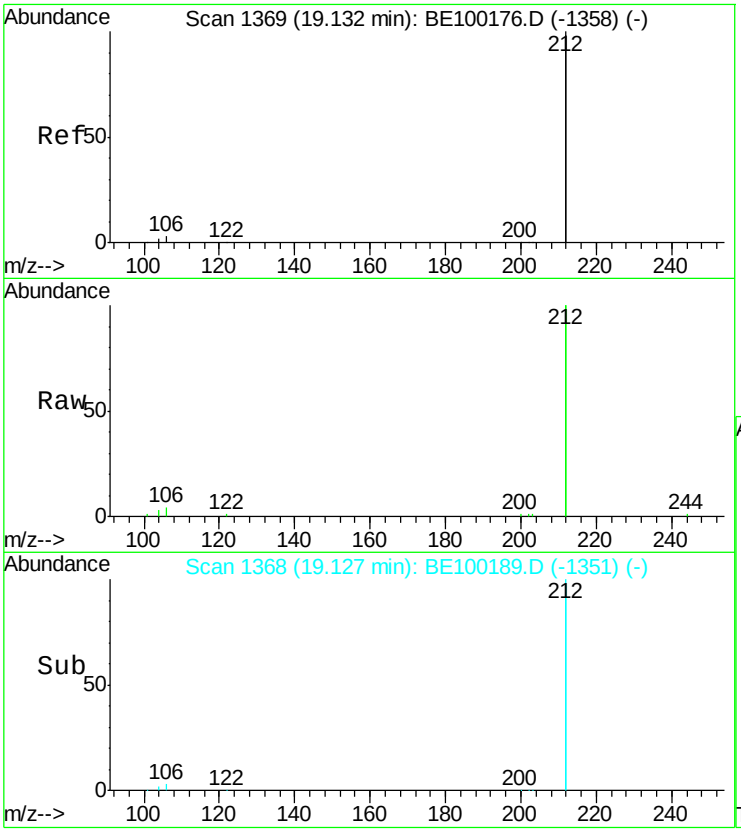


#24
Anthracene
Concen: 0.403 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:178 Resp: 3456

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.5	12.9	19.3



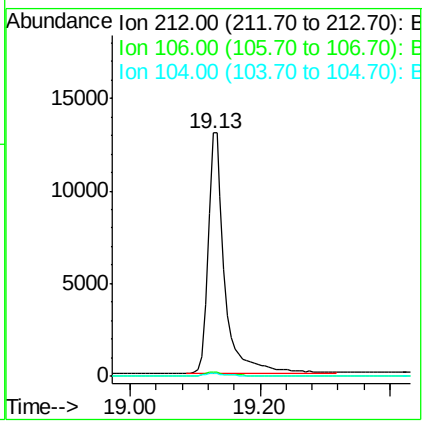


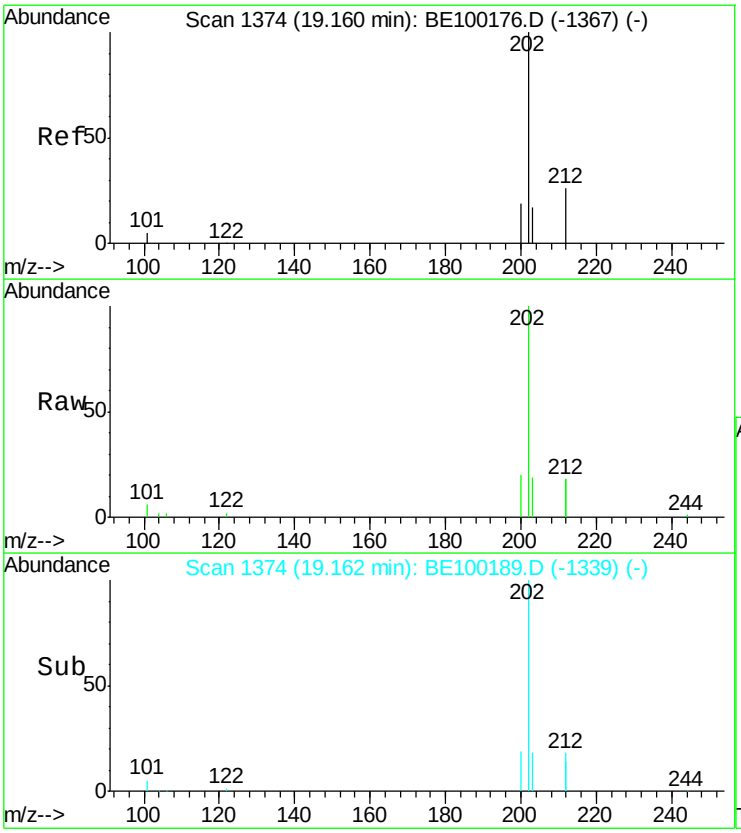
#25
Fluoranthene-d10
Concen: 0.380 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:212 Resp: 23460

Ion	Ratio	Lower	Upper
212	100		
106	1.6	1.3	1.9
104	1.0	0.7	1.1

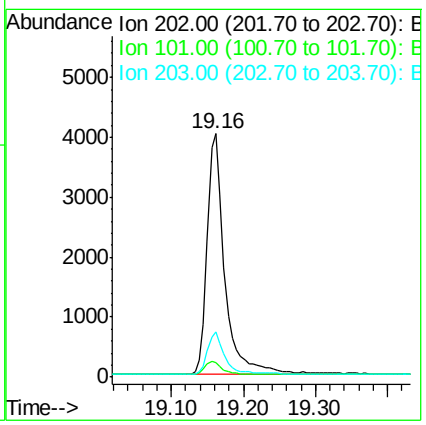


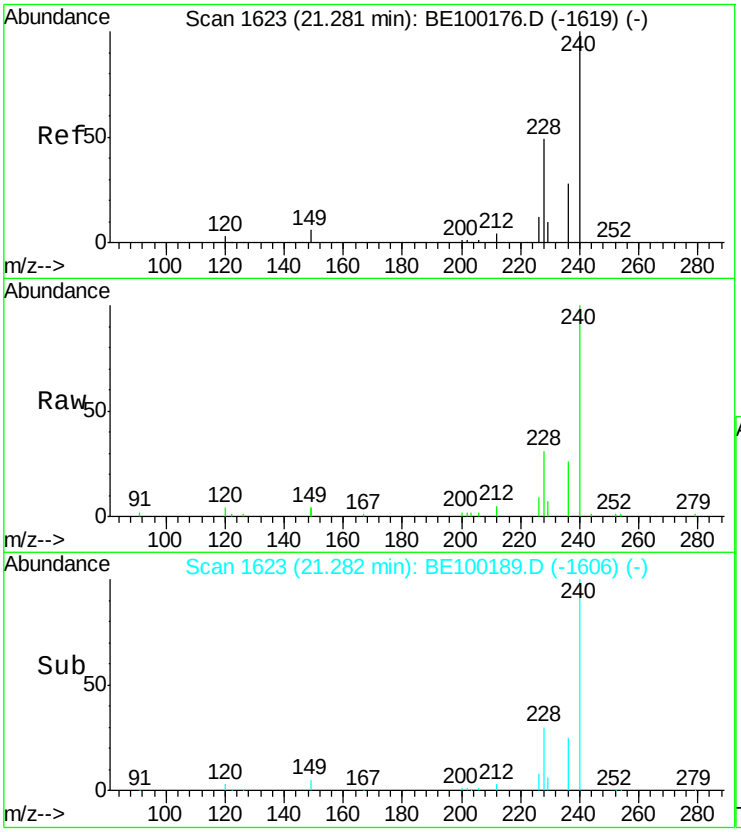


#26
Fluoranthene
Concen: 0.413 ng
RT: 19.16 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:202 Resp: 6819

Ion	Ratio	Lower	Upper
202	100		
101	5.4	4.5	6.7
203	17.2	13.7	20.5



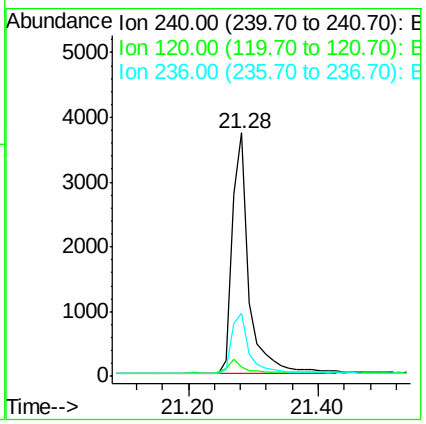


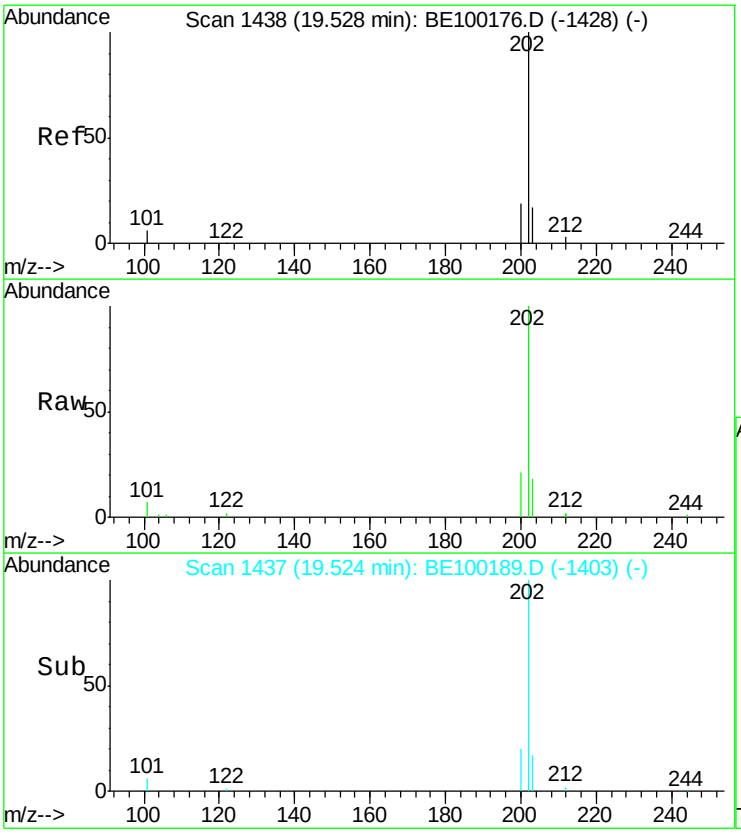
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:240 Resp: 6698

Ion	Ratio	Lower	Upper
240	100		
120	4.0	4.1	6.1#
236	26.0	23.0	34.6

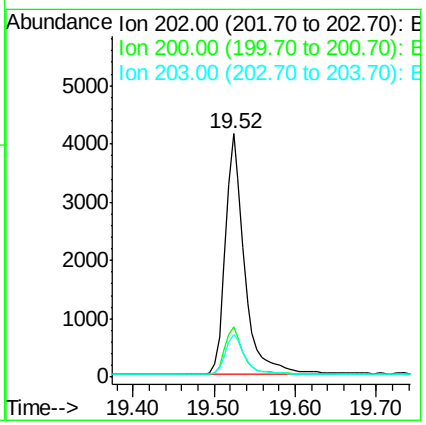


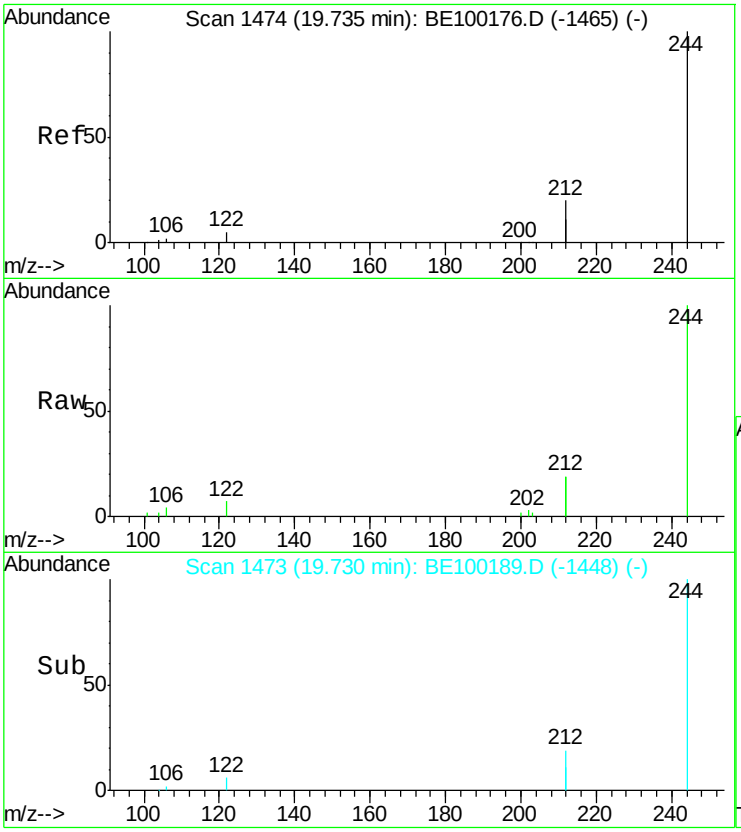


#28
Pyrene
Concen: 0.392 ng
RT: 19.52 min Scan# 1437
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:202 Resp: 6729

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.5	23.3
203	17.2	13.9	20.9



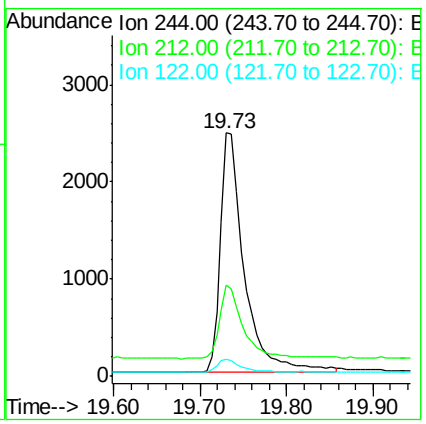


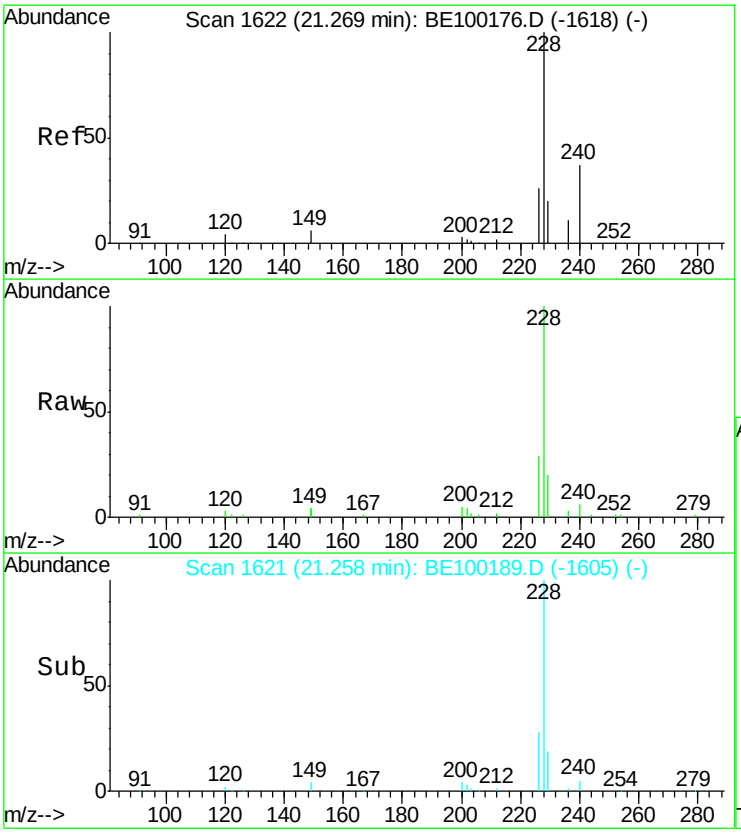
#29
Terphenyl-d14
Concen: 0.358 ng
RT: 19.73 min Scan# 1473
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:244 Resp: 4711

Ion	Ratio	Lower	Upper
244	100		
212	37.8	30.7	46.1
122	7.3	5.8	8.6

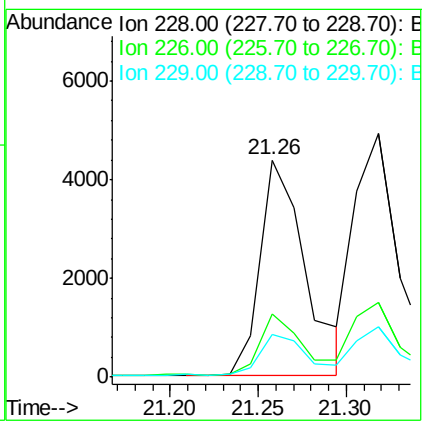


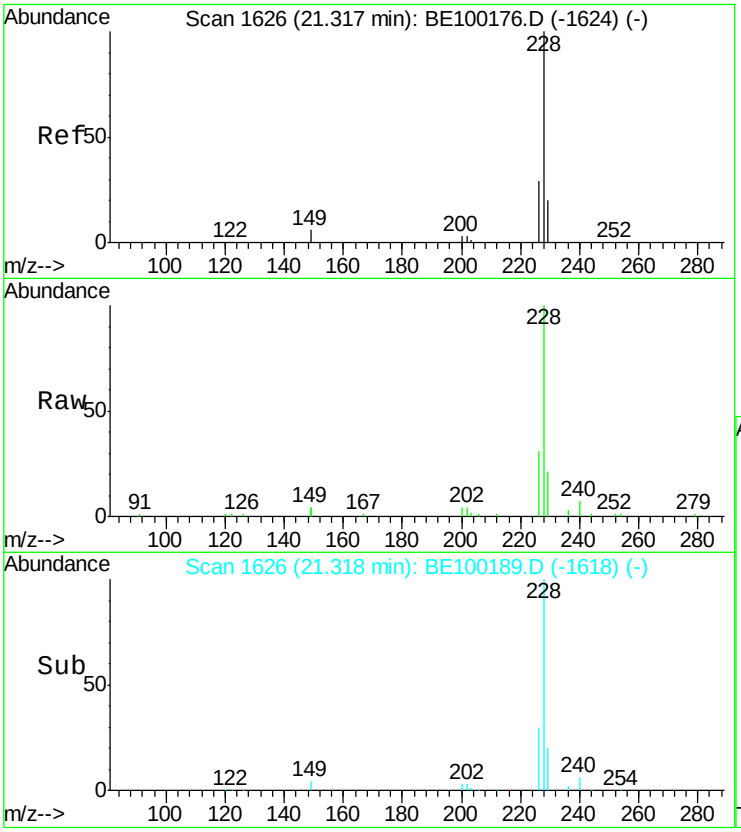


#30
Benzo(a)anthracene
Concen: 0.391 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:228 Resp: 7723

Ion	Ratio	Lower	Upper
228	100		
226	29.2	21.5	32.3
229	19.6	17.2	25.8



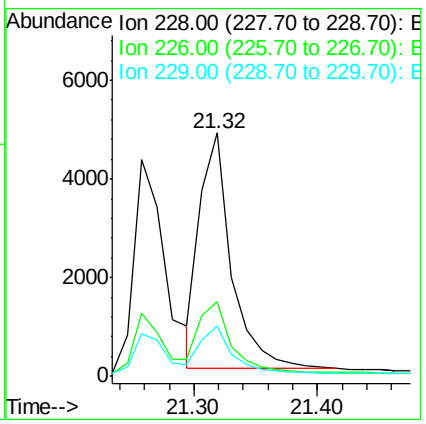


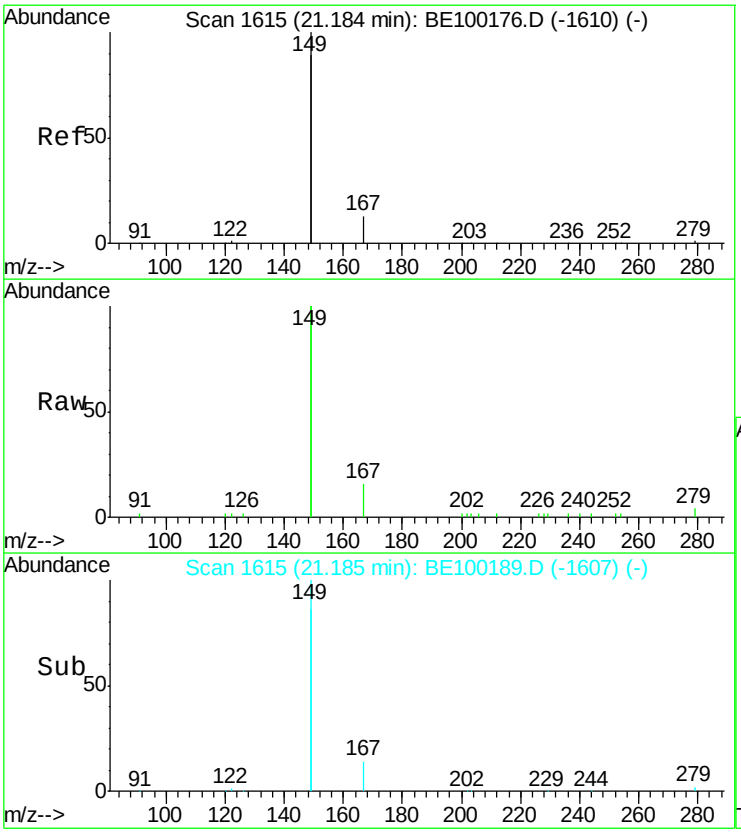
#31
Chrysene
Concen: 0.365 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:228 Resp: 8458

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.7	35.5
229	20.7	16.5	24.7

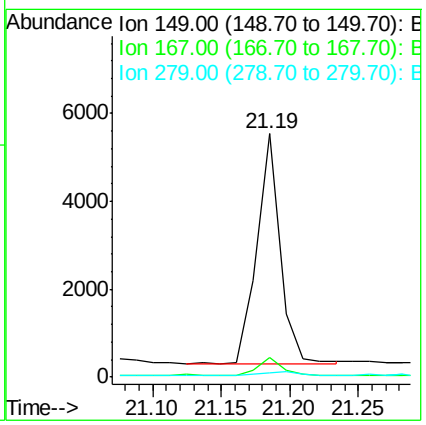


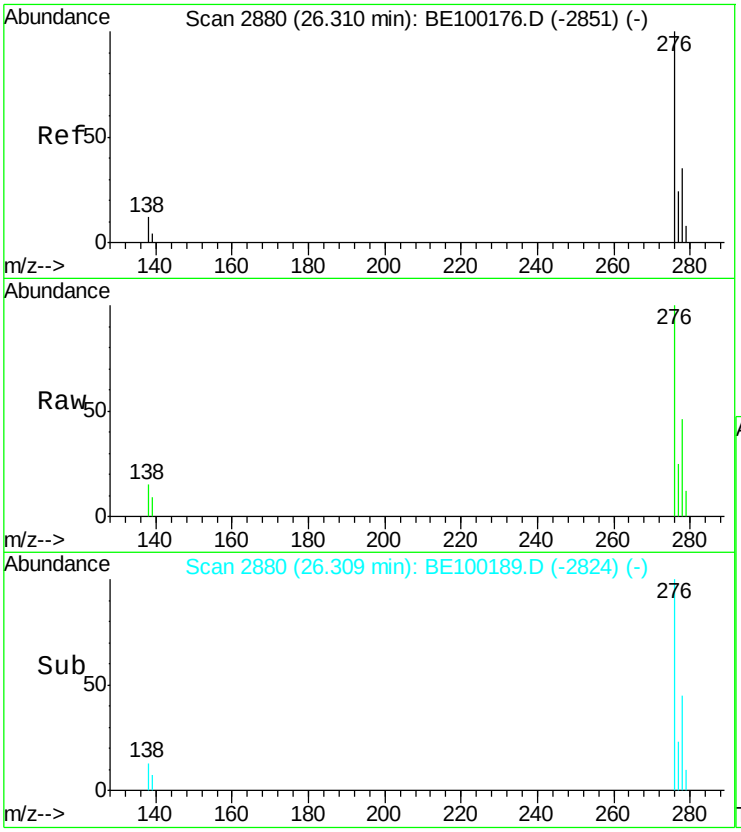


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.270 ng
RT: 21.19 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:149 Resp: 6139

Ion	Ratio	Lower	Upper
149	100		
167	7.6	5.9	8.9
279	1.7	1.0	1.6#



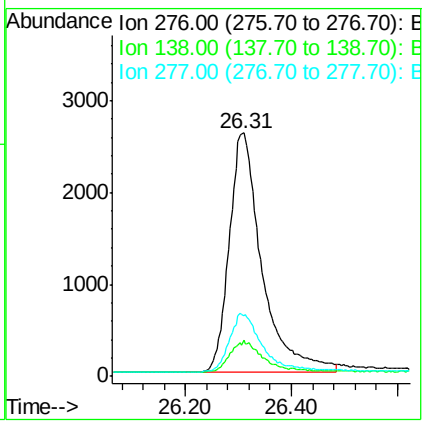


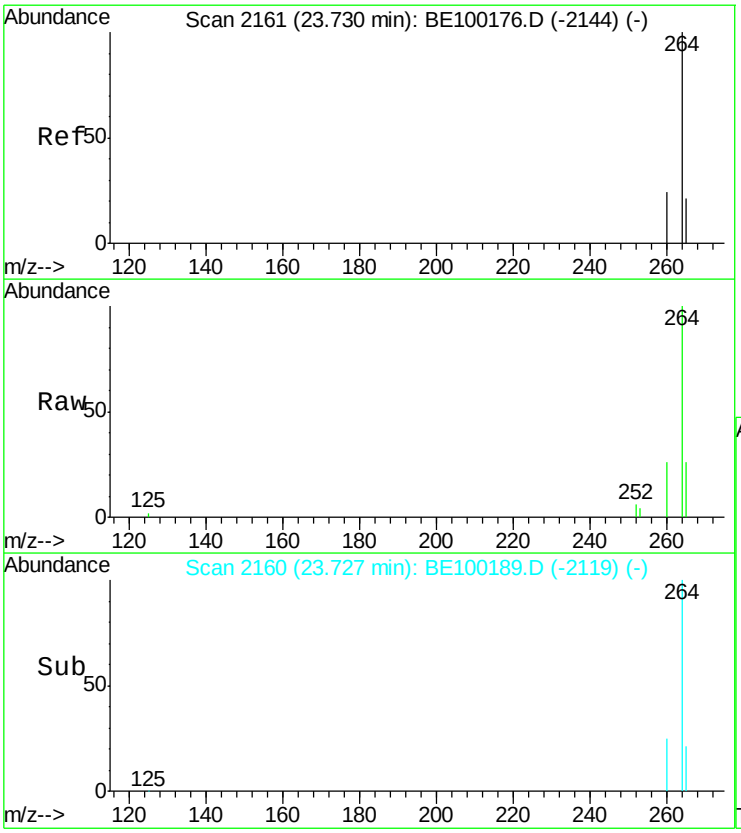
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.342 ng
RT: 26.31 min Scan# 2880
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:276 Resp: 11260

Ion	Ratio	Lower	Upper
276	100		
138	12.4	3.7	5.5#
277	24.4	18.7	28.1

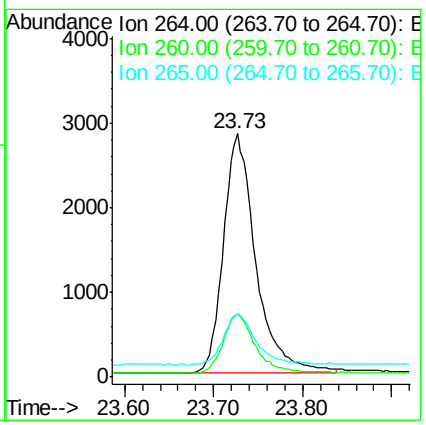


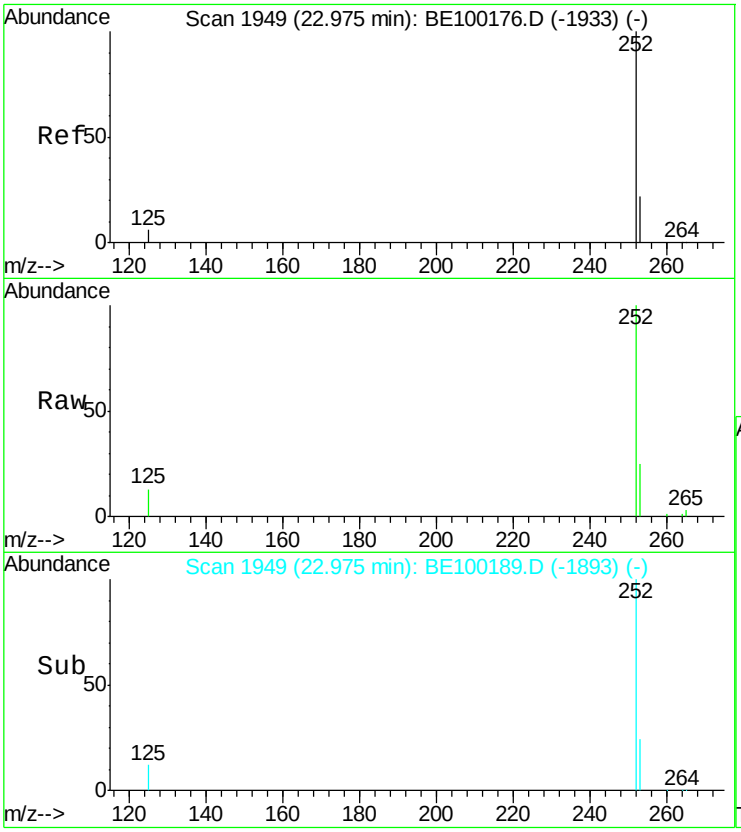


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.73 min Scan# 2160
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:264 Resp: 7185

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	26.0	22.5	33.7



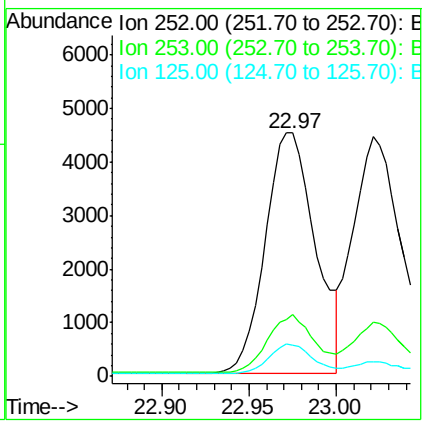


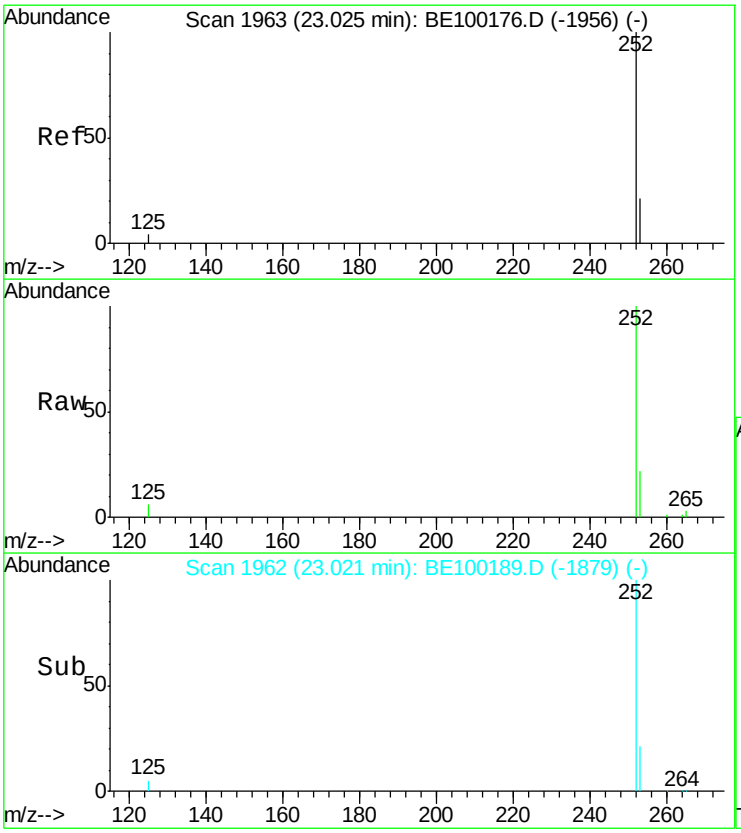
#35
Benzo(b)fluoranthene
Concen: 0.463 ng
RT: 22.97 min Scan# 1949
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:252 Resp: 8949

Ion	Ratio	Lower	Upper
252	100		
253	25.3	19.0	28.4
125	13.0	6.3	9.5#

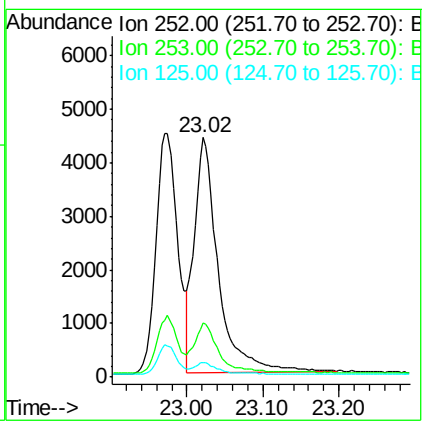


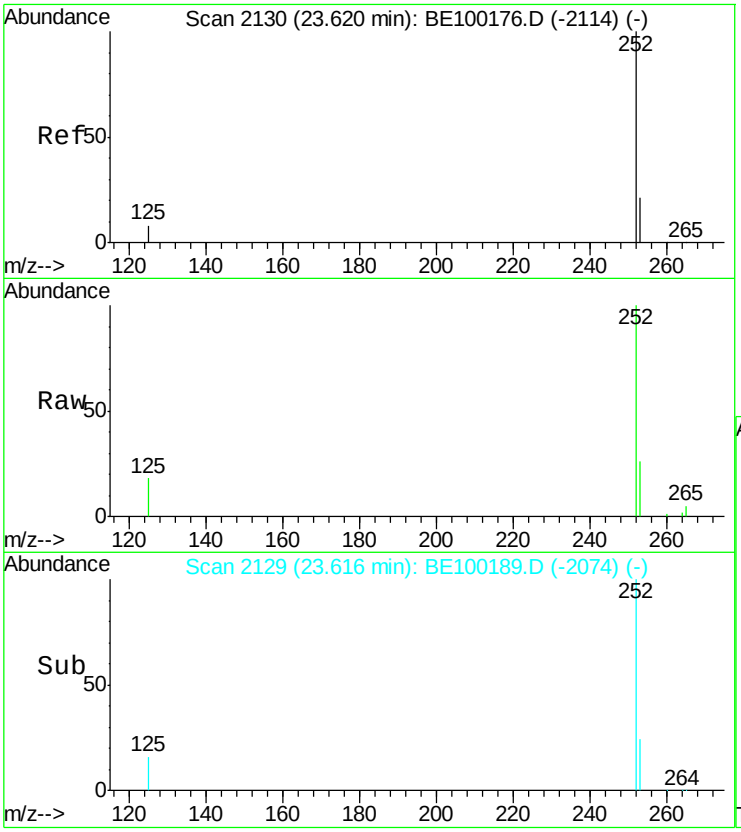


#36
Benzo(k)fluoranthene
Concen: 0.420 ng
RT: 23.02 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:252 Resp: 9711

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.4	27.6
125	6.2	5.0	7.4



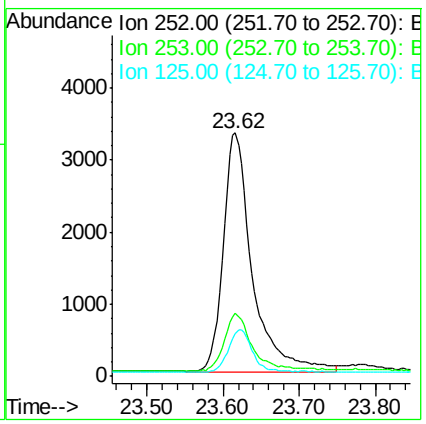


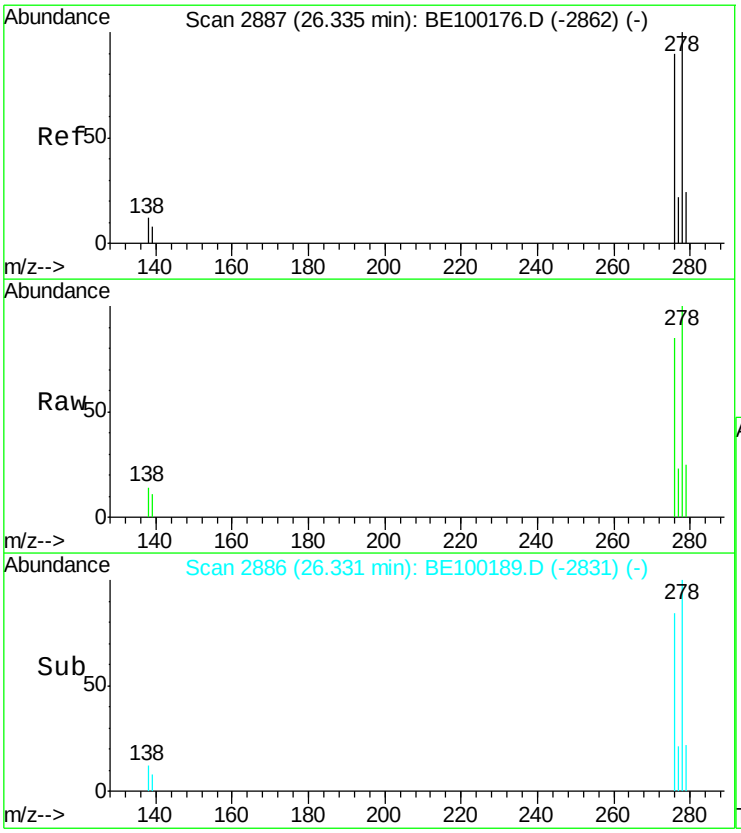
#37
Benzo(a)pyrene
Concen: 0.437 ng
RT: 23.62 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:252 Resp: 8746

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.2	28.8
125	17.6	8.2	12.2#

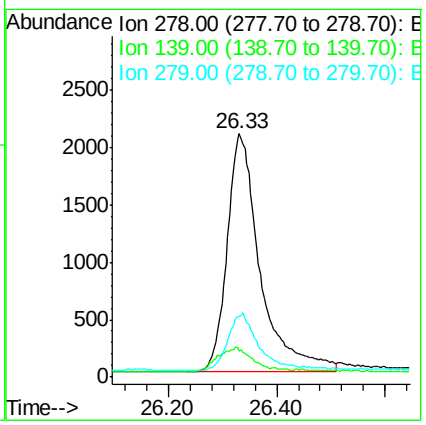


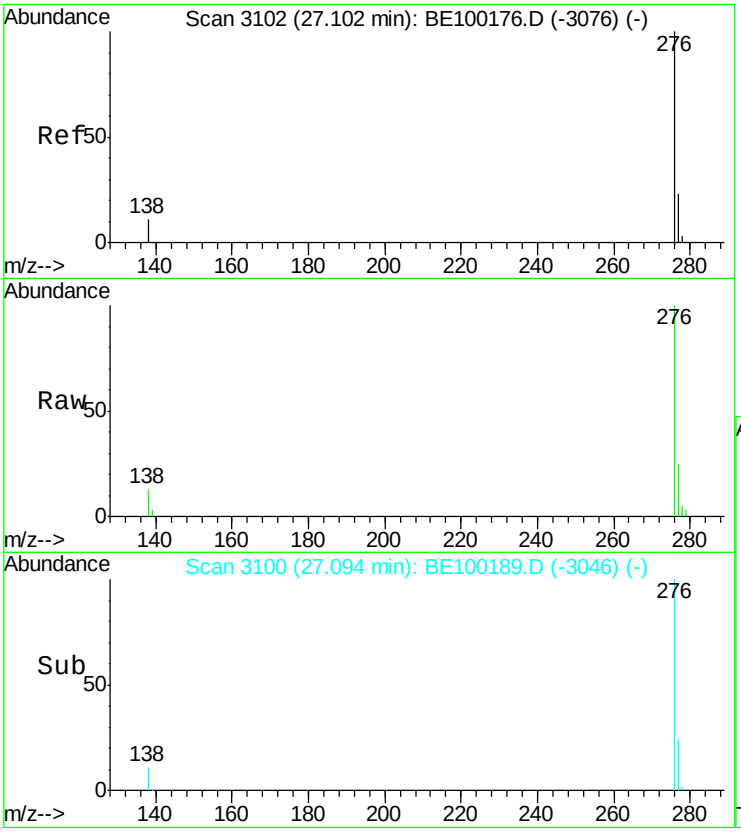


#38
Dibenzo(a,h)anthracene
Concen: 0.413 ng
RT: 26.33 min Scan# 2886
Delta R.T. -0.00 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Tgt Ion:278 Resp: 8836

Ion	Ratio	Lower	Upper
278	100		
139	10.6	9.0	13.4
279	24.9	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 0.404 ng
RT: 27.09 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BE100189.D
Acq: 26 Jun 2019 11:28

Instrument :
BNA_E
ClientSampleId :
PB120704BS

Tgt Ion:276 Resp: 9024

Ion	Ratio	Lower	Upper
276	100		
277	25.1	19.8	29.6
138	12.7	10.2	15.4