Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE062619\
Data File : BE100190.D
Acq On : 26 Jun 2019 12:07
Operator : JU/SJ
Sample : PB120704BSD
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB120704BSD

Quant Time: Jun 27 04:43:20 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	561	0.40	ng		0.00
7) Naphthalene-d8	10.47	136	1958	0.40	ng		0.00
13) Acenaphthene-d10	14.34	164	1417	0.40	ng		0.00
19) Phenanthrene-d10	17.10	188	4557	0.40	ng		0.00
27) Chrysene-d12	21.28	240	7220	0.40	ng		0.00
34) Perylene-d12	23.72	264	7965	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.24	112	511	0.41	ng		0.00
5) Phenol-d6	6.86	99	697	0.41	ng		-0.01
8) Nitrobenzene-d5	8.85	82	754	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.08	152	1452	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	334	0.41	ng		0.00
15) 2-Fluorobiphenyl	12.97	172	2467	0.43	ng		0.00
25) Fluoranthene-d10	19.13	212	24912	0.38	ng		0.00
29) Terphenyl-d14	19.74	244	4996	0.35	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.12	88	349	0.398	ng		97
3) n-Nitrosodimethylamine	3.50	42	79	0.243	ng	#	1
6) bis(2-Chloroethyl)ether	7.12	93	660	0.420	ng	#	92
9) Naphthalene	10.51	128	8819	0.413	ng		99
10) Hexachlorobutadiene	10.78	225	915	0.415	ng		98
12) 2-Methylnaphthalene	12.15	142	1423	0.414	ng		97
16) Acenaphthylene	14.07	152	3003	0.435	ng		98
17) Acenaphthene	14.41	154	1655	0.427	ng		96
18) Fluorene	15.39	166	2520	0.450	ng		99
20) 4-Bromophenyl-phenylether	16.29	248	1158	0.409	ng		94
21) Hexachlorobenzene	16.40	284	1294	0.417	ng		99
22) Pentachlorophenol	16.75	266	2324	2.495	ng	#	79
23) Phenanthrene	17.14	178	4652	0.431	ng		99
24) Anthracene	17.23	178	3728	0.409	ng		100
26) Fluoranthene	19.16	202	7244	0.413	ng		100
28) Pyrene	19.52	202	7239	0.392	ng		99
30) Benzo(a)anthracene	21.26	228	8190	0.385	ng		97
31) Chrysene	21.32	228	9079	0.364	ng		99
32) Bis(2-ethylhexyl)phthalate	21.18	149	6682	0.273	ng		100
33) Indeno(1,2,3-cd)pyrene	26.30	276	12026	0.338	ng	#	95
35) Benzo(b)fluoranthene	22.97	252	9375	0.438	ng	#	96
36) Benzo(k)fluoranthene	23.02	252	10313	0.402	ng		99
37) Benzo(a)pyrene	23.61	252	9517	0.429	ng	#	91
38) Dibenzo(a,h)anthracene	26.33	278	9463	0.399	ng		97
39) Benzo(g,h,i)perylene	27.09	276	9320	0.376	ng		99

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

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Misc :
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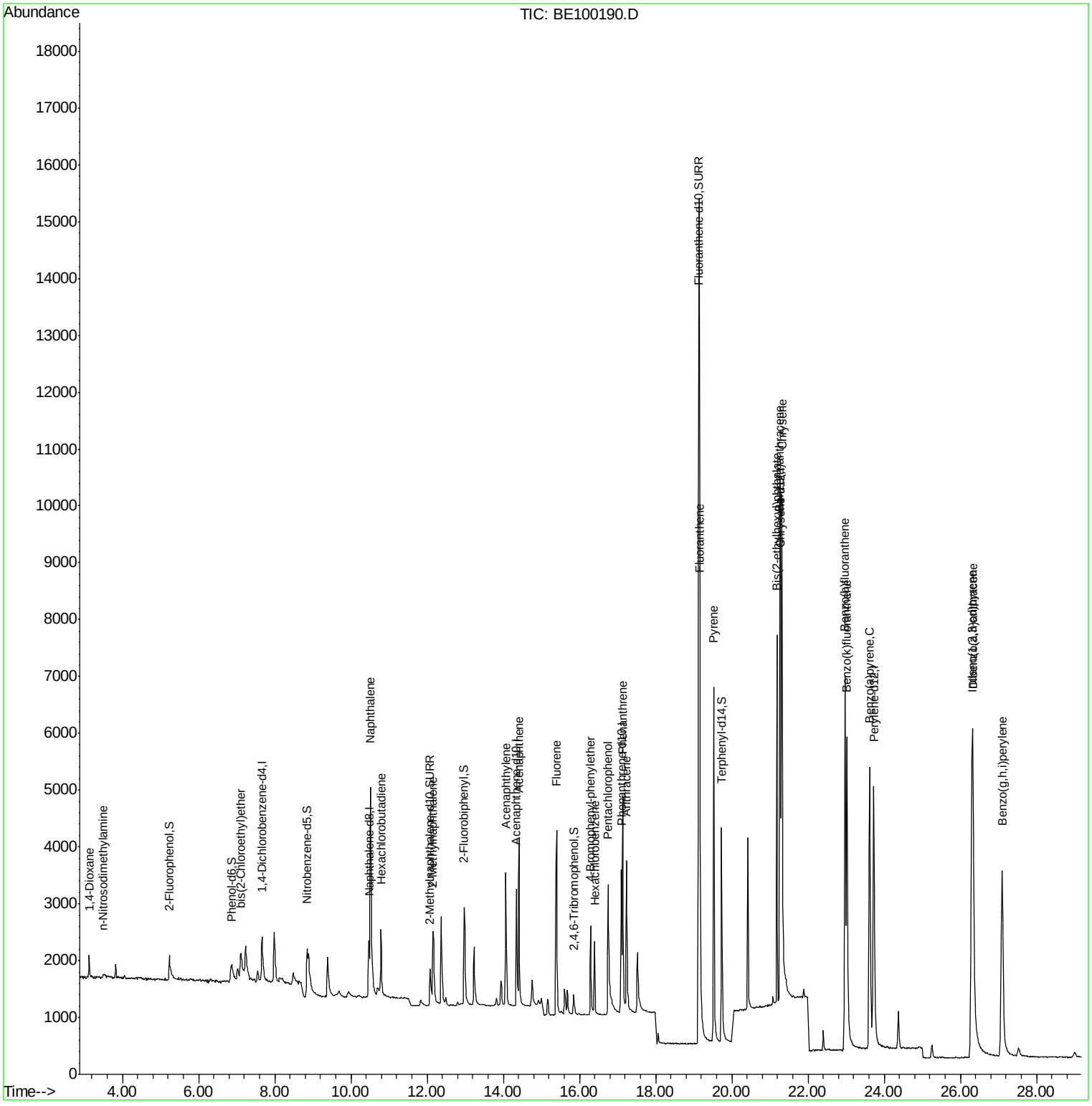
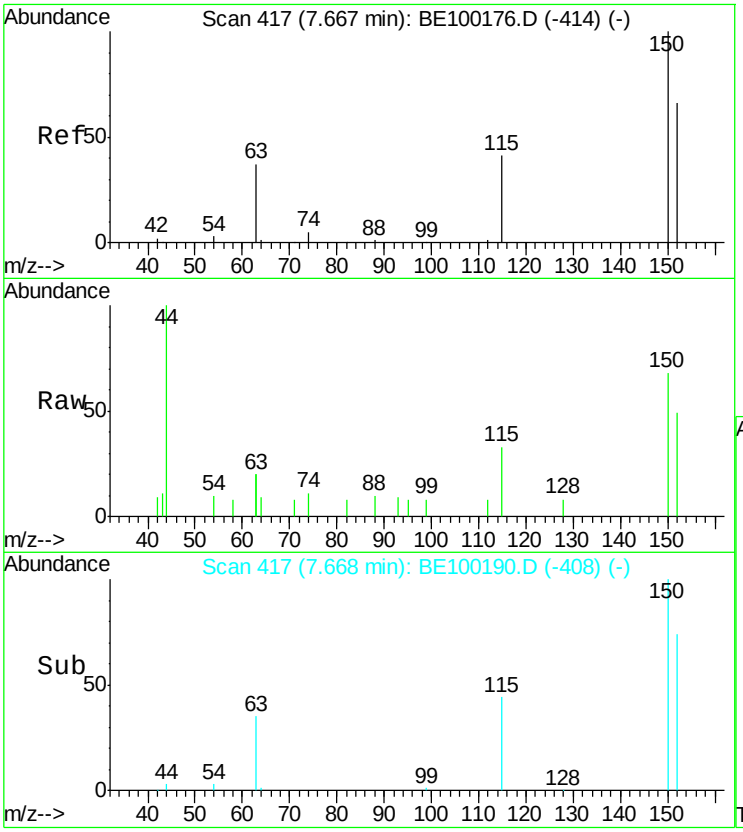
Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Quant Time: Jun 27 04:43:20 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



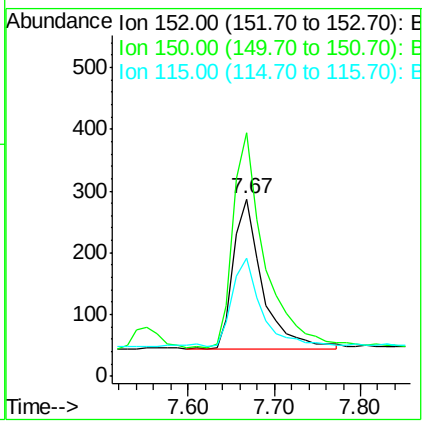


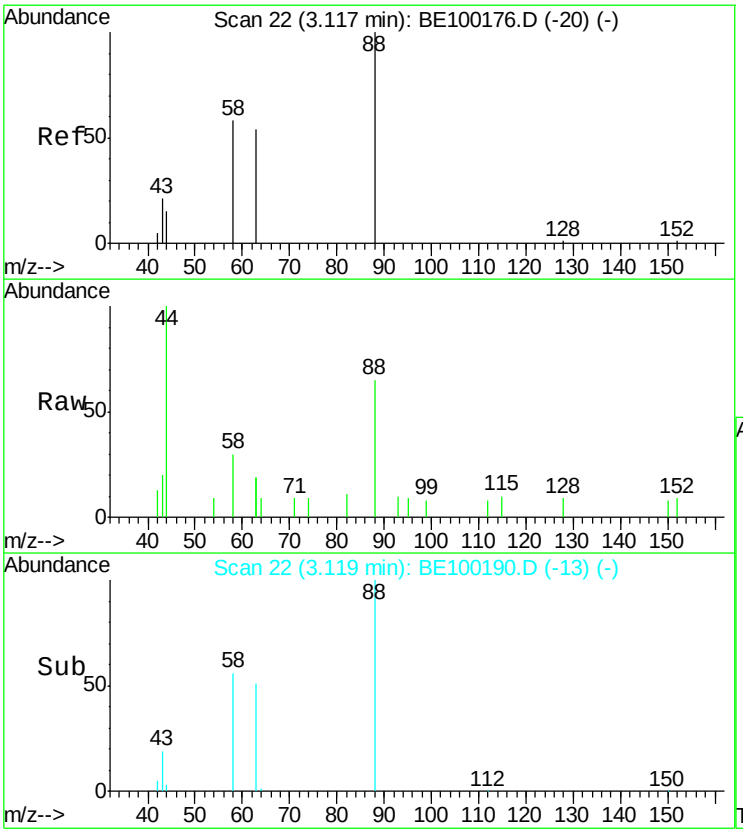
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.67 min Scan# 417
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:152 Resp: 561

Ion	Ratio	Lower	Upper
152	100		
150	137.3	113.4	170.2
115	66.9	55.8	83.6

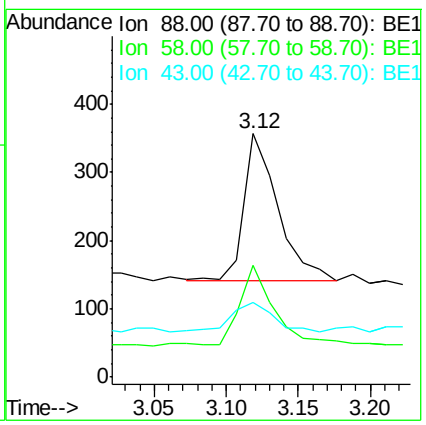


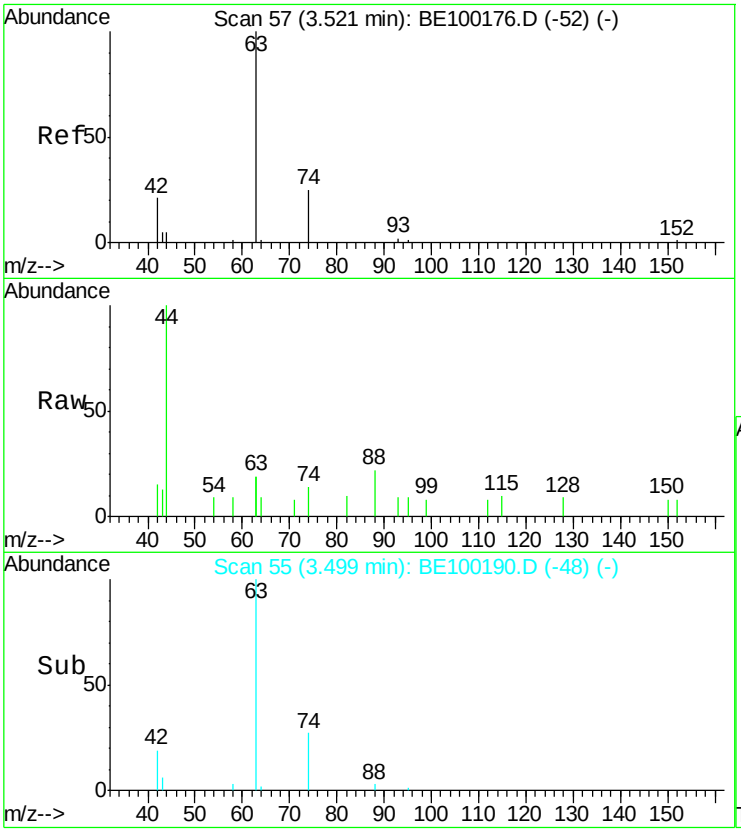


#2
1,4-Dioxane
Concen: 0.398 ng
RT: 3.12 min Scan# 22
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion: 88 Resp: 349

Ion	Ratio	Lower	Upper
88	100		
58	57.3	43.8	65.6
43	23.5	19.4	29.2



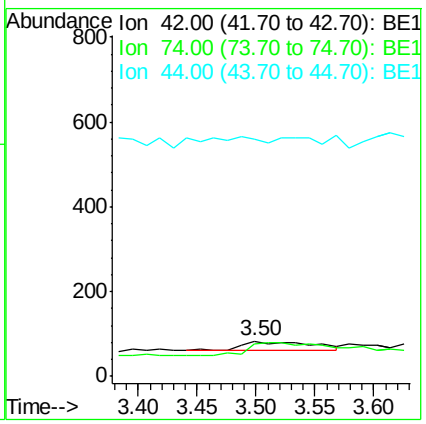


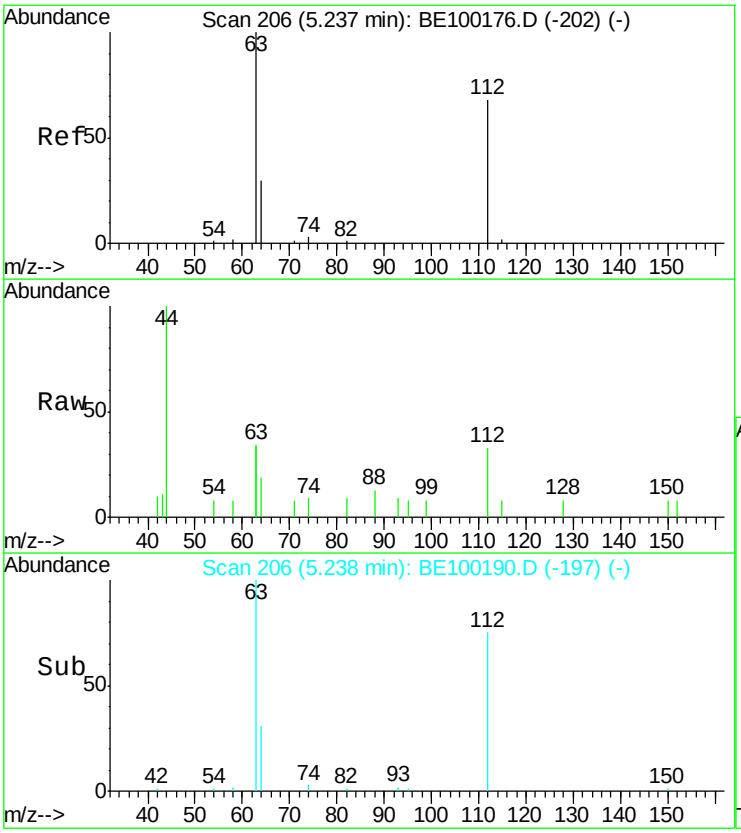
#3
n-Nitrosodimethylamine
Concen: 0.243 ng
RT: 3.50 min Scan# 55
Delta R.T. -0.02 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion: 42 Resp: 79

Ion	Ratio	Lower	Upper
42	100		
74	0.0	193.2	289.8#
44	43.0	114.5	171.7#

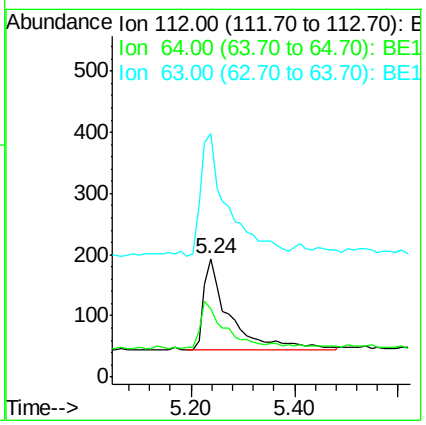


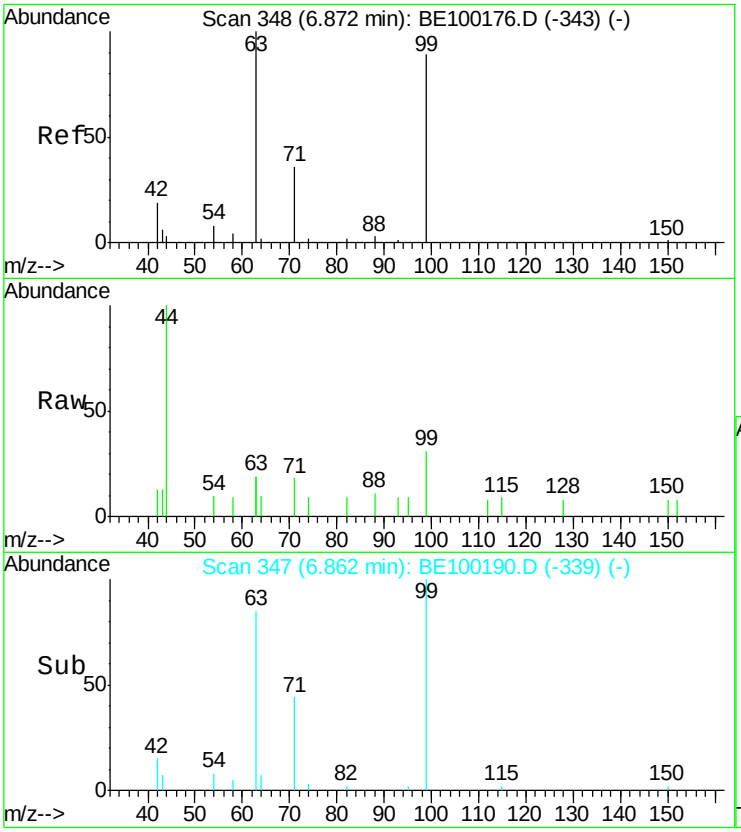


#4
2-Fluorophenol
Concen: 0.410 ng
RT: 5.24 min Scan# 206
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:112 Resp: 511

Ion	Ratio	Lower	Upper
112	100		
64	53.2	40.7	61.1
63	141.7	93.2	139.8#



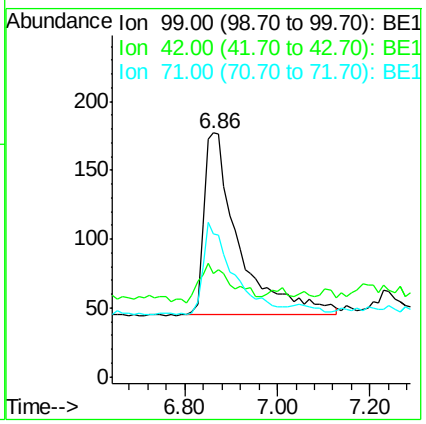


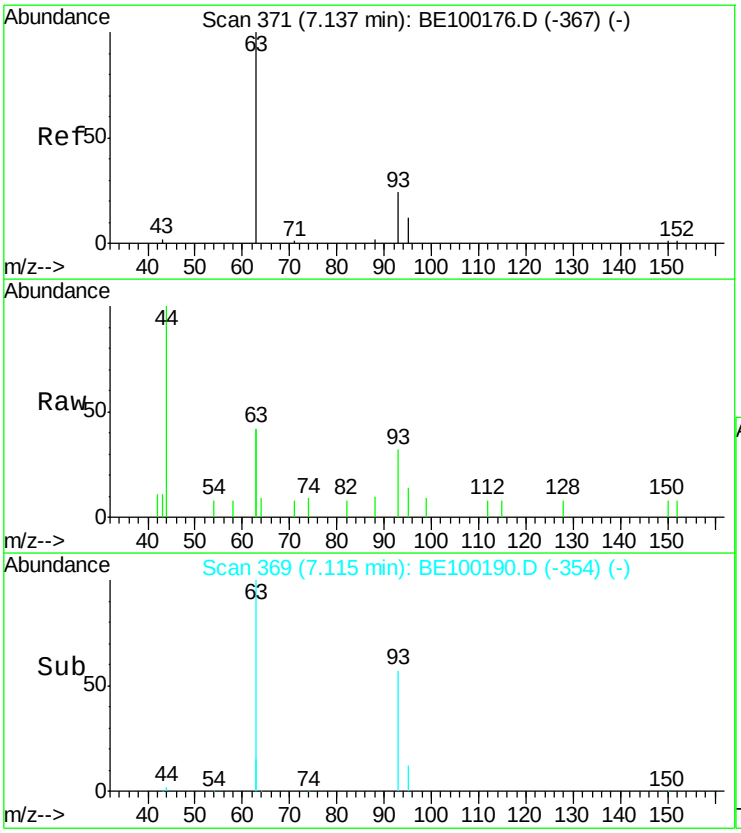
#5
Phenol-d6
Concen: 0.406 ng
RT: 6.86 min Scan# 347
Delta R.T. -0.01 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion: 99 Resp: 697

Ion	Ratio	Lower	Upper
99	100		
42	19.7	10.4	15.6#
71	43.8	32.4	48.6

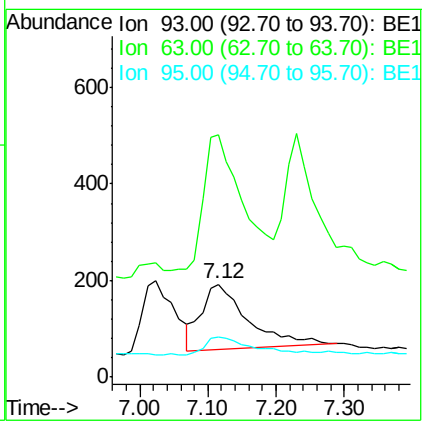


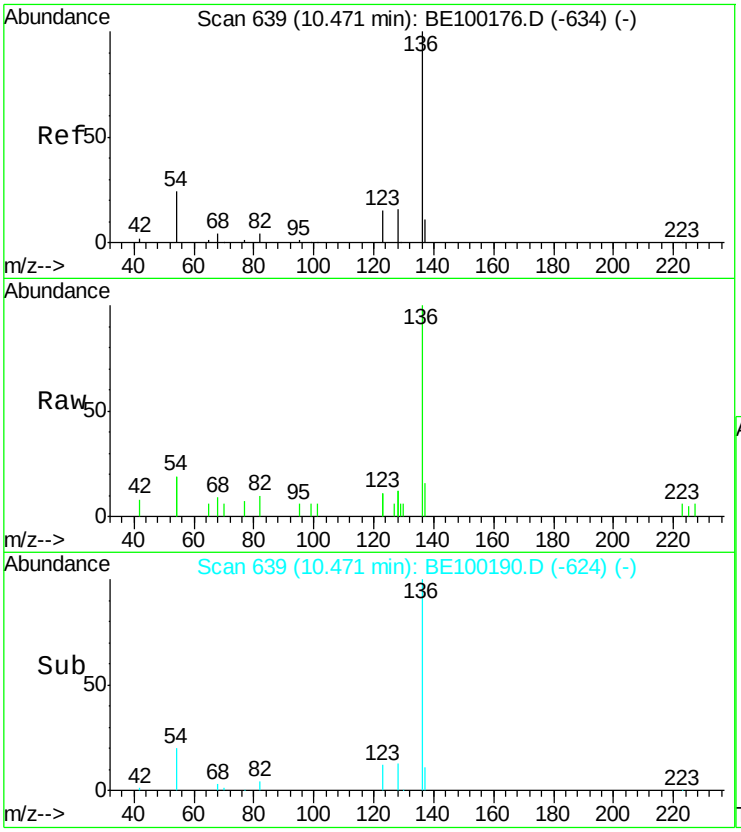


#6
bis(2-Chloroethyl)ether
Concen: 0.420 ng
RT: 7.12 min Scan# 369
Delta R.T. -0.02 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion: 93 Resp: 660

Ion	Ratio	Lower	Upper
93	100		
63	171.2	0.0	0.0#
95	30.6	21.0	31.6



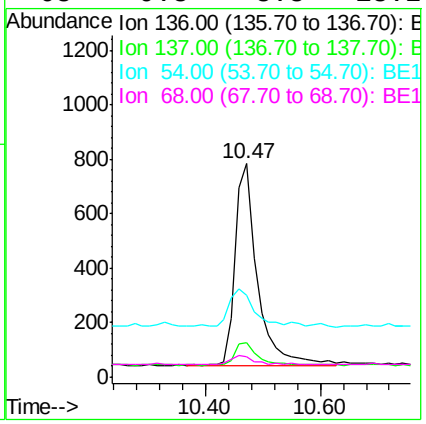


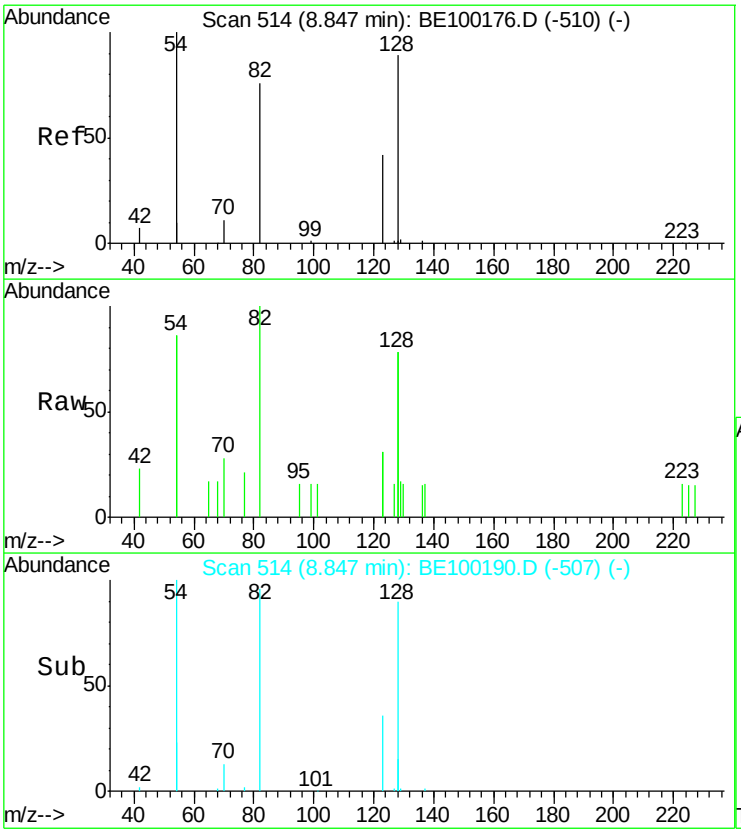
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.47 min Scan# 639
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:136 Resp: 1958

Ion	Ratio	Lower	Upper
136	100		
137	16.1	13.8	20.8
54	38.2	35.4	53.2
68	9.3	8.8	13.2

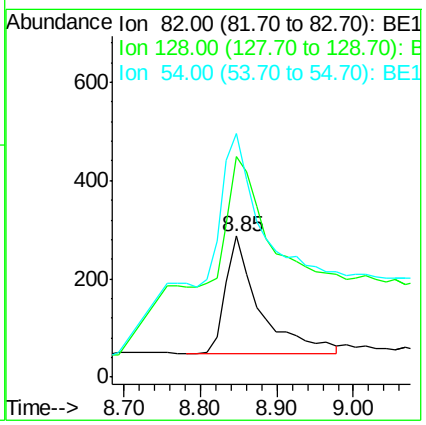


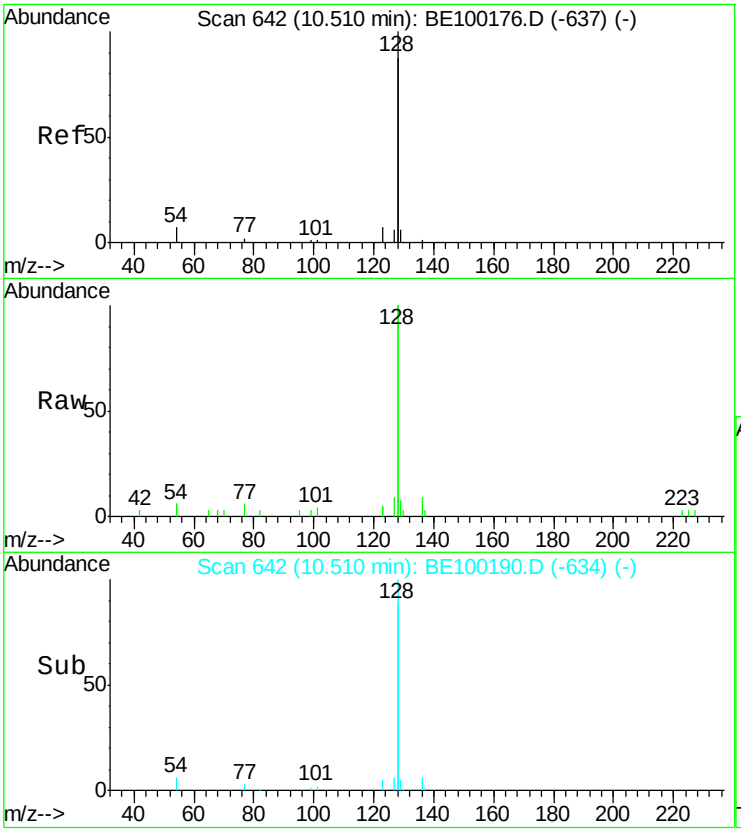


#8
Nitrobenzene-d5
Concen: 0.387 ng
RT: 8.85 min Scan# 514
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion: 82 Resp: 754

Ion	Ratio	Lower	Upper
82	100		
128	156.1	144.6	217.0
54	172.8	163.0	244.6



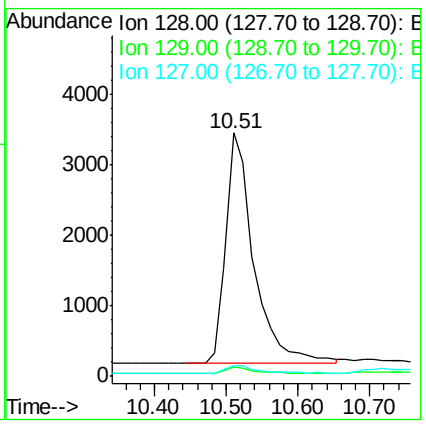


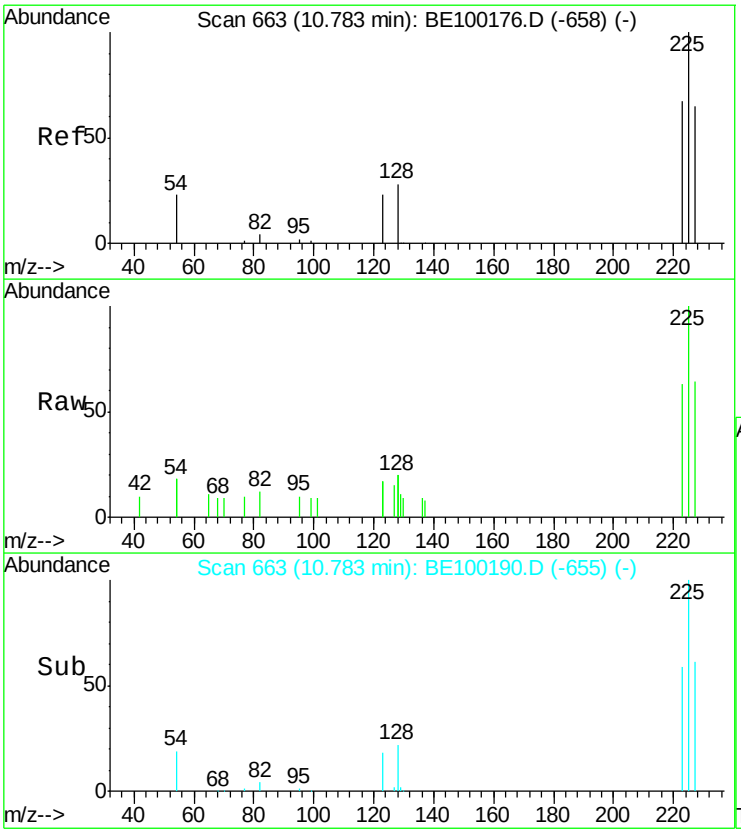
#9
Naphthalene
Concen: 0.413 ng
RT: 10.51 min Scan# 642
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:128 Resp: 8819

Ion	Ratio	Lower	Upper
128	100		
129	4.0	3.6	5.4
127	4.5	3.8	5.8

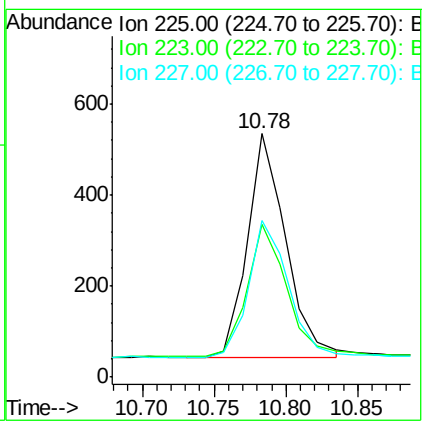


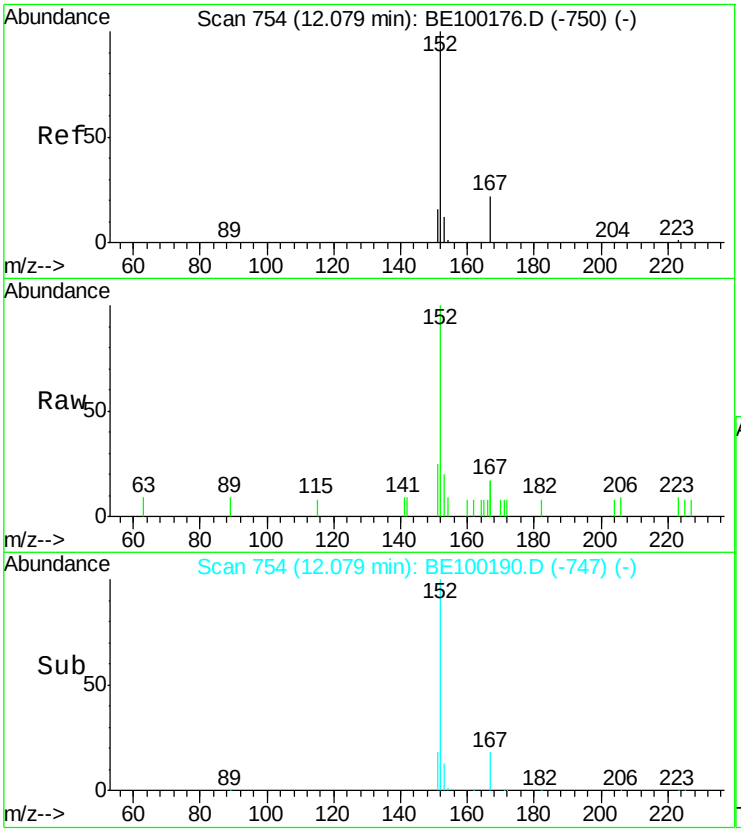


#10
Hexachlorobutadiene
Concen: 0.415 ng
RT: 10.78 min Scan# 663
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:225 Resp: 915

Ion	Ratio	Lower	Upper
225	100		
223	60.5	50.1	75.1
227	62.8	50.9	76.3



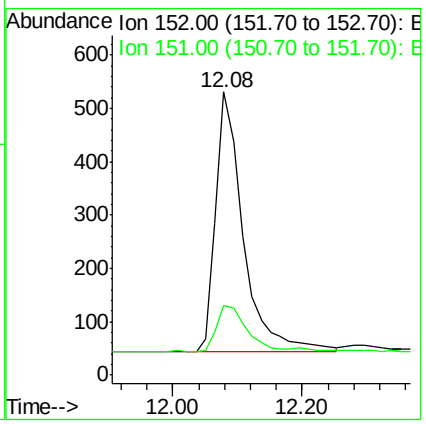


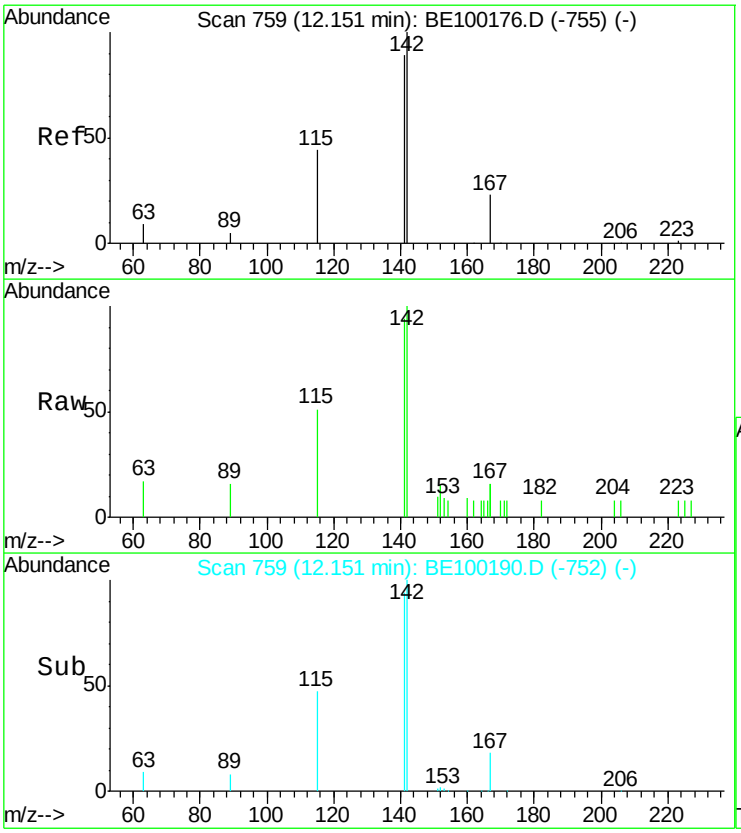
#11
2-Methylnaphthalene-d10
Concen: 0.396 ng
RT: 12.08 min Scan# 754
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:152 Resp: 1452

Ion	Ratio	Lower	Upper
152	100		
151	19.2	16.3	24.5

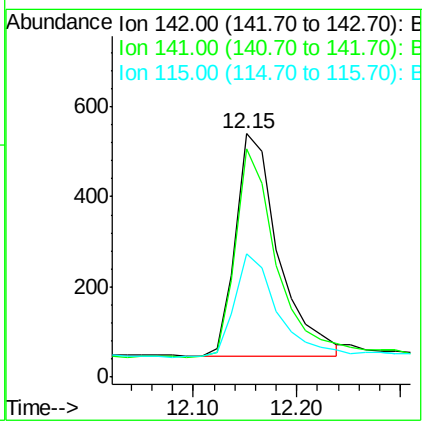


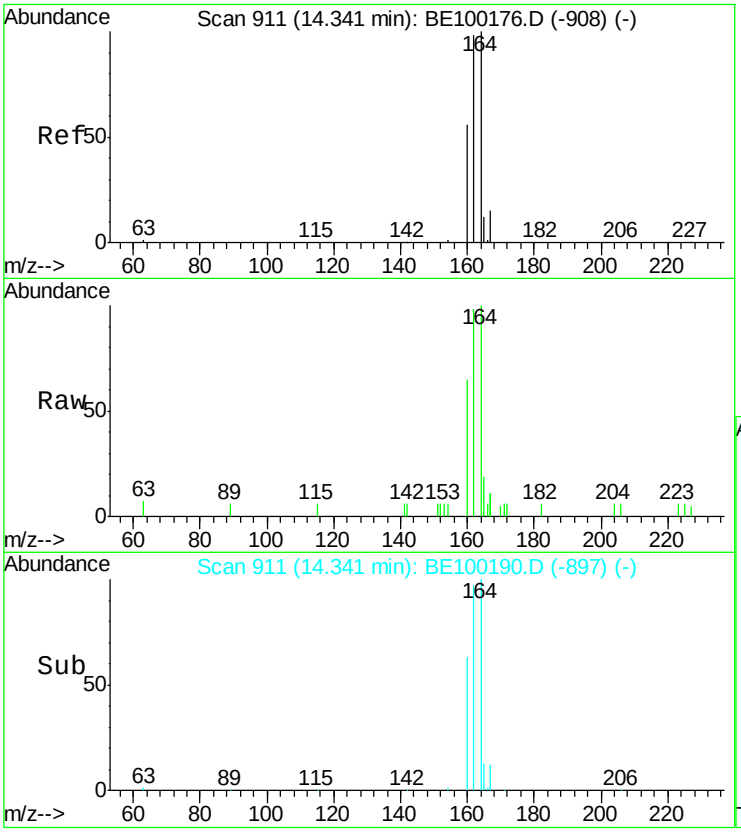


#12
2-Methylnaphthalene
Concen: 0.414 ng
RT: 12.15 min Scan# 759
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:142 Resp: 1423

Ion	Ratio	Lower	Upper
142	100		
141	93.9	71.8	107.8
115	50.9	40.4	60.6



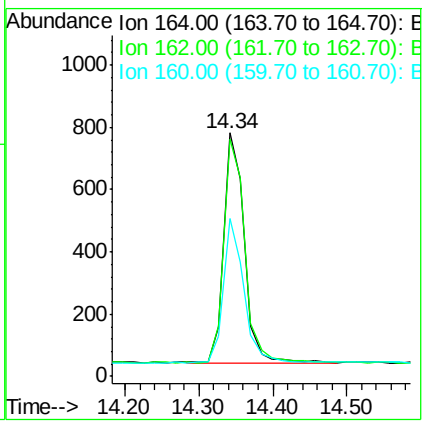


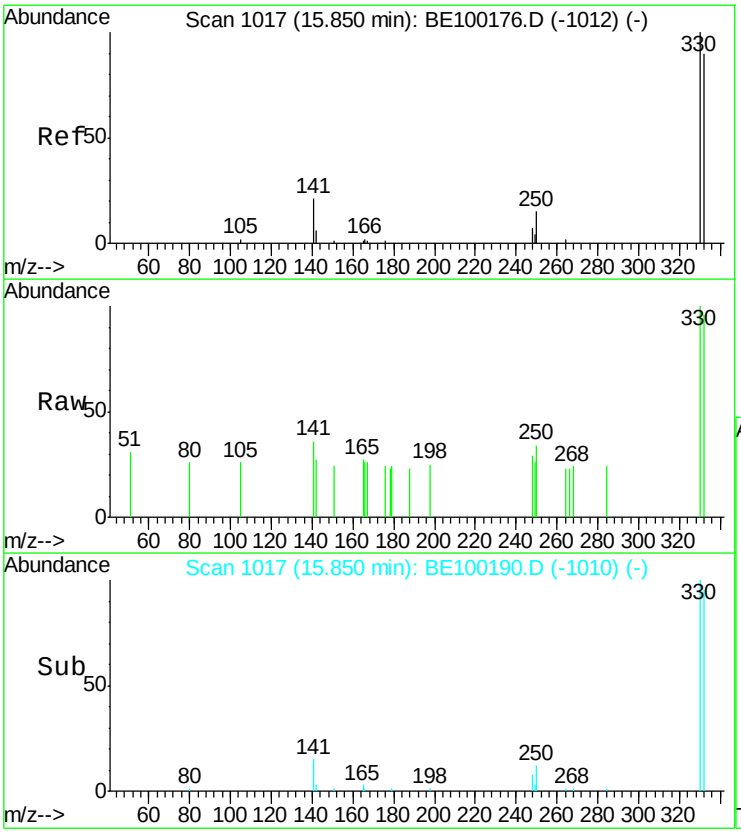
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.34 min Scan# 911
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:164 Resp: 1417

Ion	Ratio	Lower	Upper
164	100		
162	97.6	78.6	118.0
160	65.0	46.9	70.3

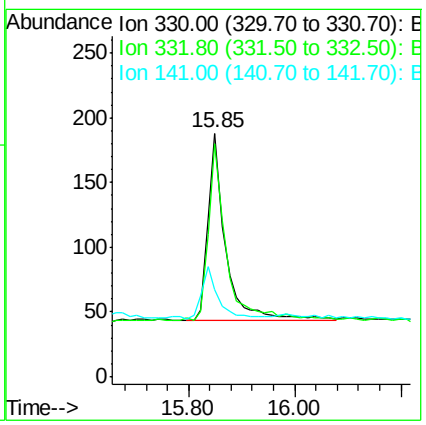


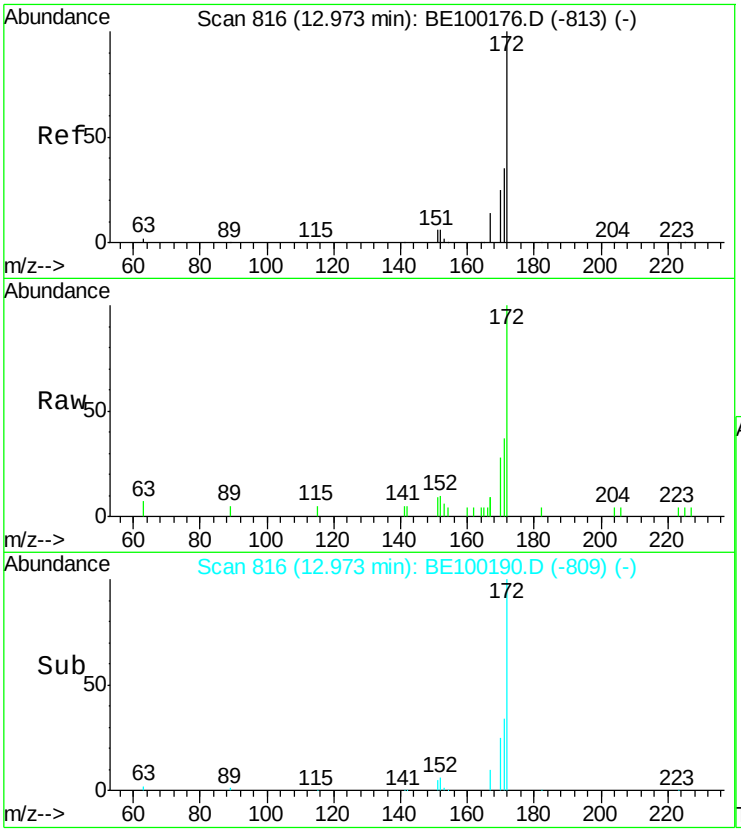


#14
2,4,6-Tribromophenol
Concen: 0.407 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:330 Resp: 334

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.7	116.5
141	26.6	18.9	28.3



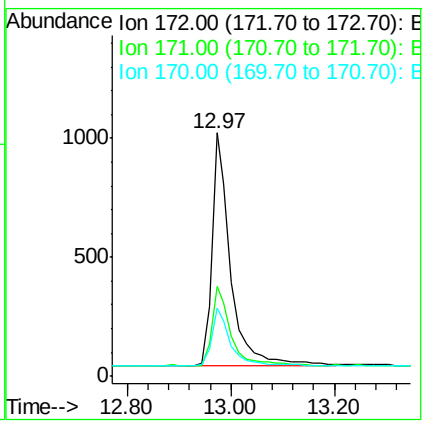


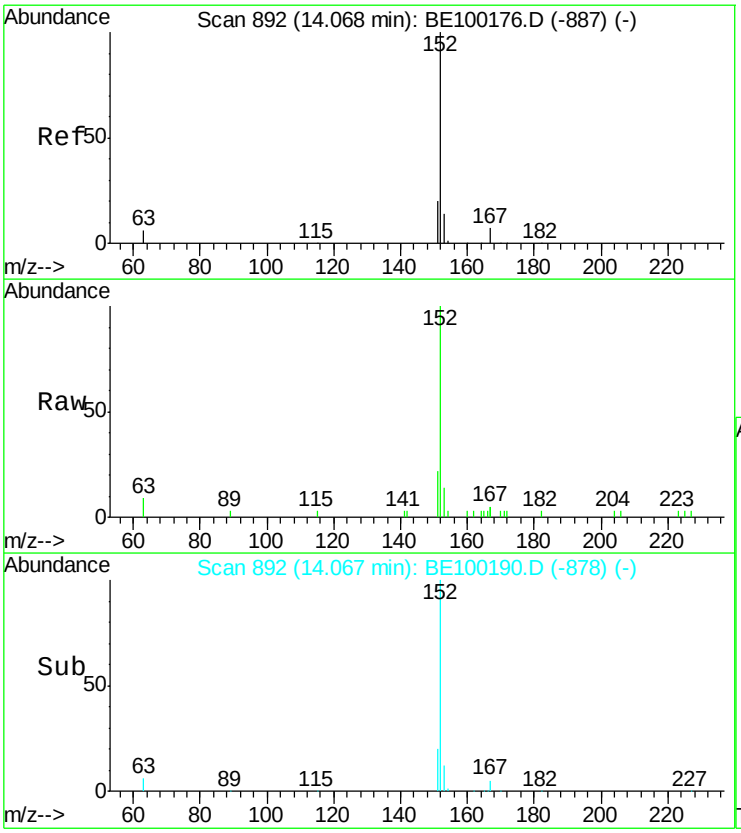
#15
2-Fluorobiphenyl
Concen: 0.434 ng
RT: 12.97 min Scan# 816
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:172 Resp: 2467

Ion	Ratio	Lower	Upper
172	100		
171	37.0	31.0	46.4
170	28.3	23.9	35.9

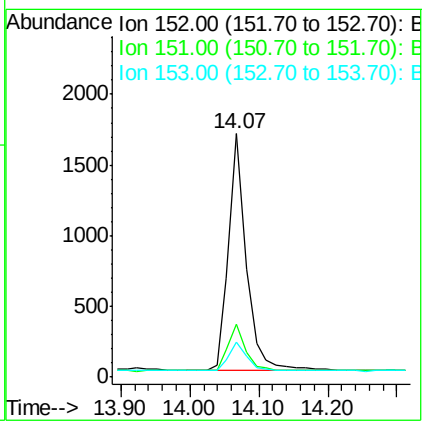


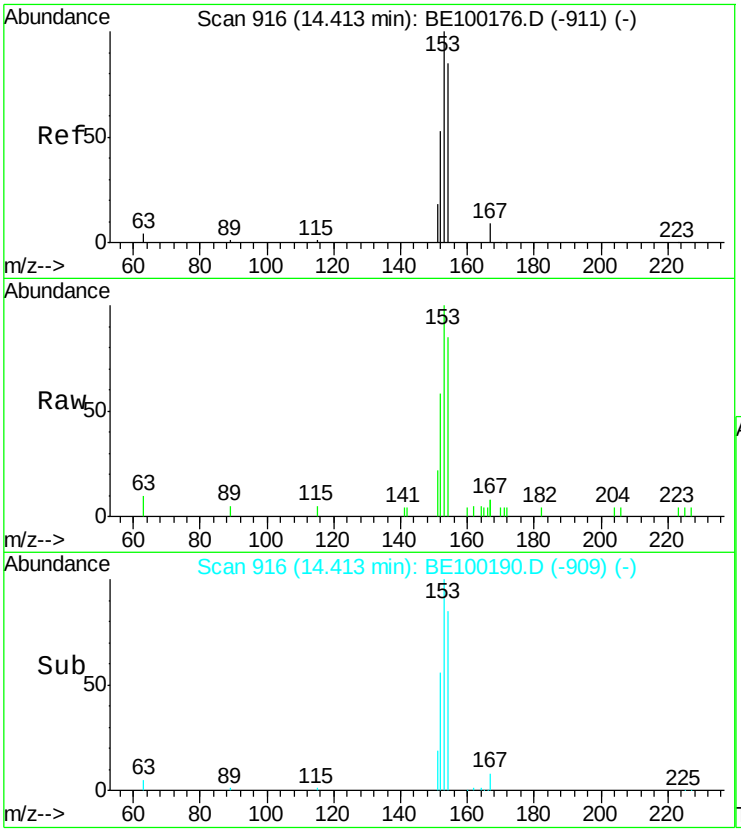


#16
Acenaphthylene
Concen: 0.435 ng
RT: 14.07 min Scan# 892
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:152 Resp: 3003

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.0
153	12.9	10.8	16.2



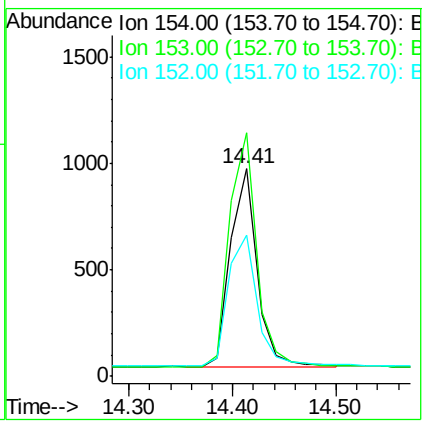


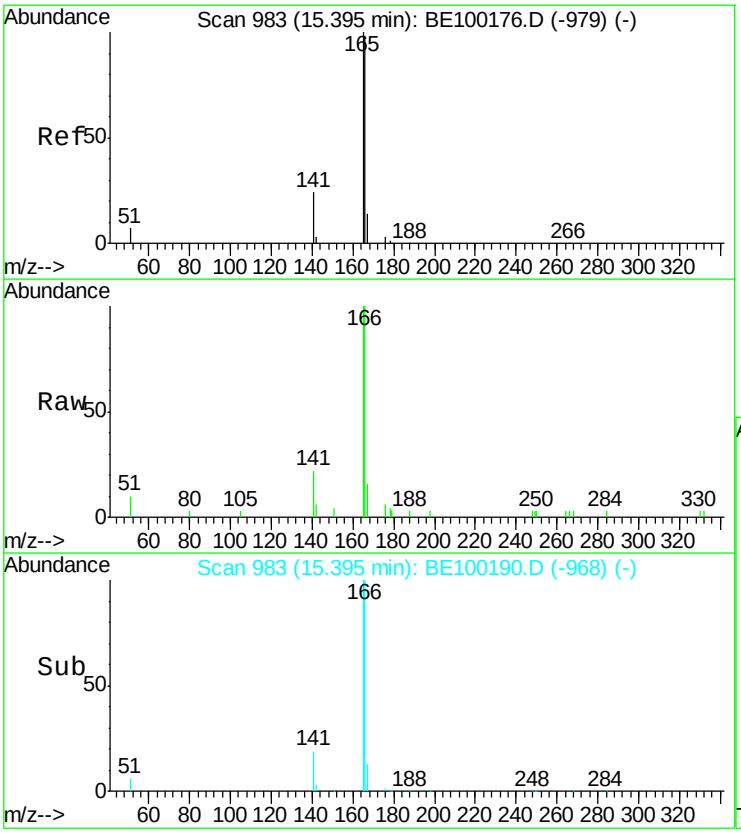
#17
Acenaphthene
Concen: 0.427 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:154 Resp: 1655

Ion	Ratio	Lower	Upper
154	100		
153	120.8	95.3	142.9
152	71.7	52.9	79.3

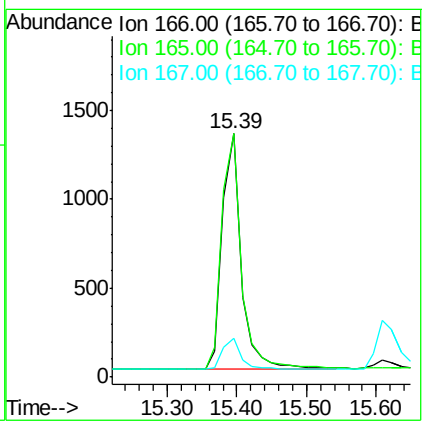


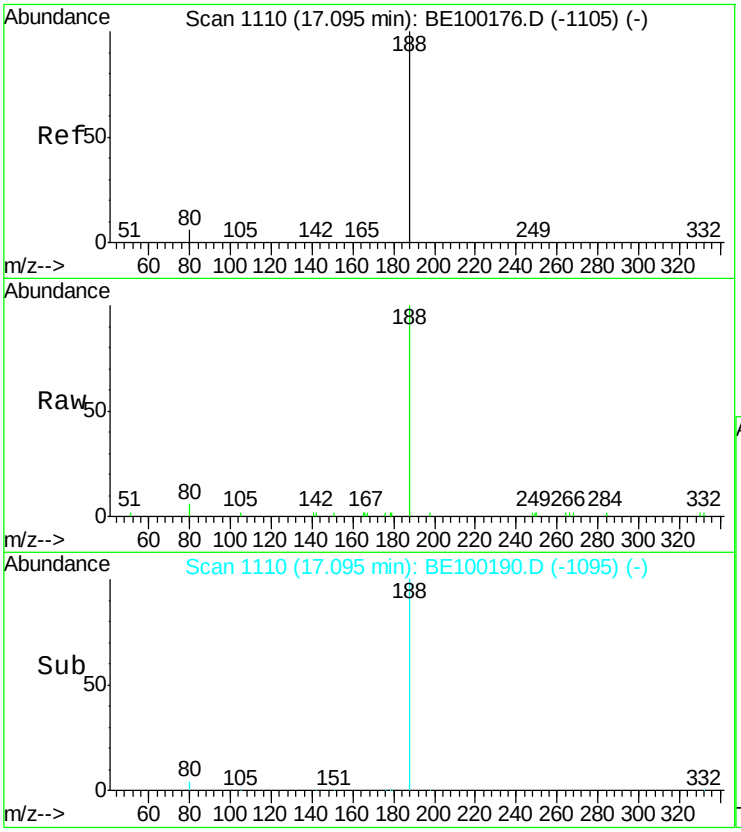


#18
Fluorene
Concen: 0.450 ng
RT: 15.39 min Scan# 983
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:166 Resp: 2520

Ion	Ratio	Lower	Upper
166	100		
165	102.3	81.0	121.4
167	13.3	11.4	17.0



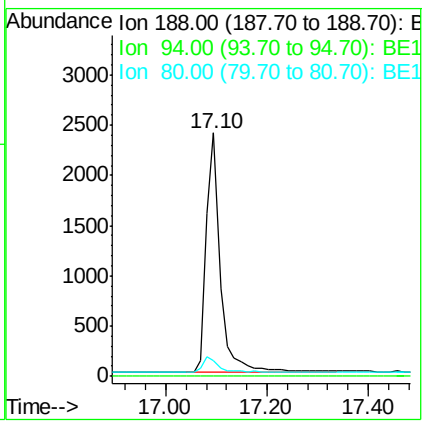


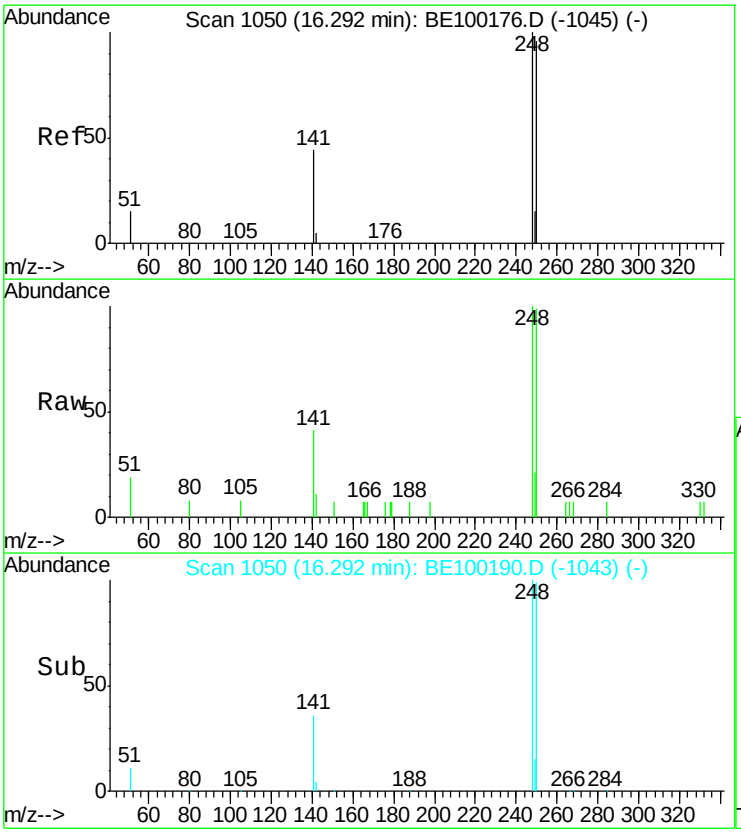
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.10 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:188 Resp: 4557

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

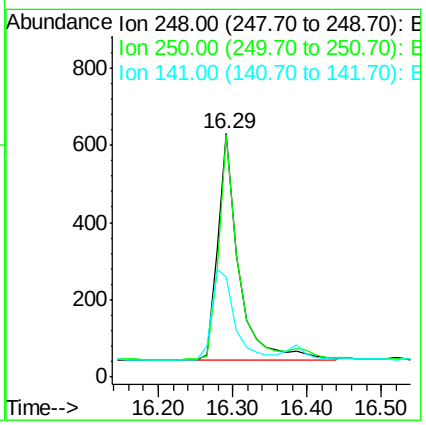


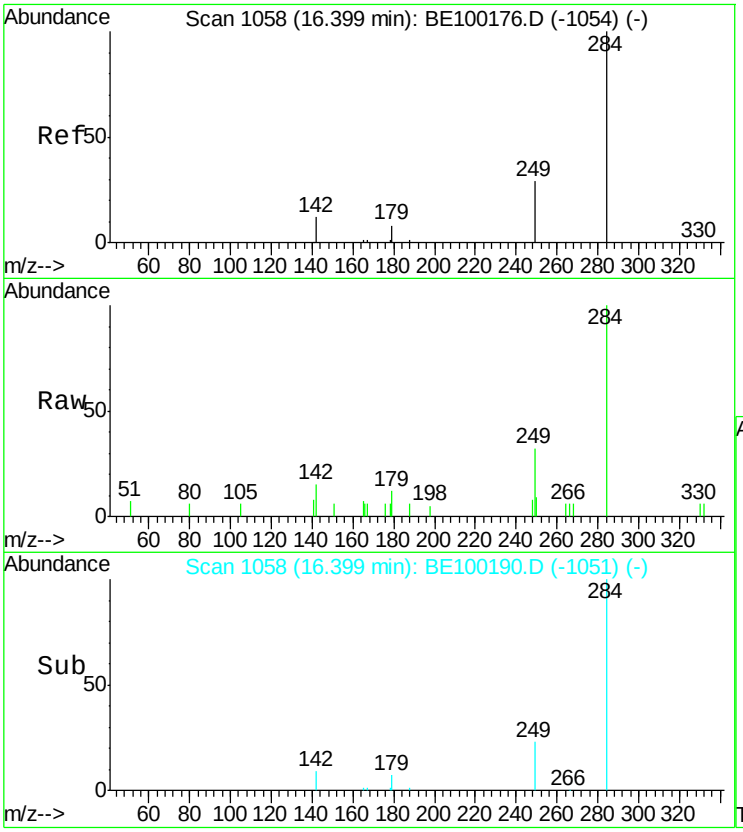


#20
4-Bromophenyl-phenylether
Concen: 0.409 ng
RT: 16.29 min Scan# 1050
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:248 Resp: 1158

Ion	Ratio	Lower	Upper
248	100		
250	99.4	77.1	115.7
141	41.1	39.5	59.3



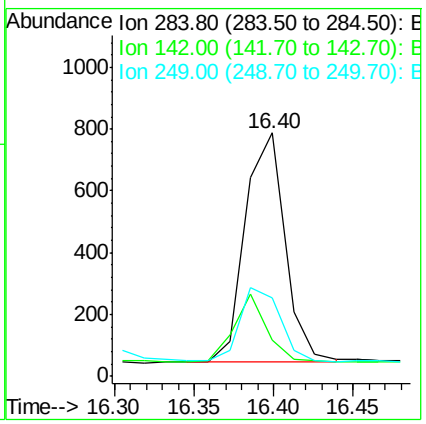


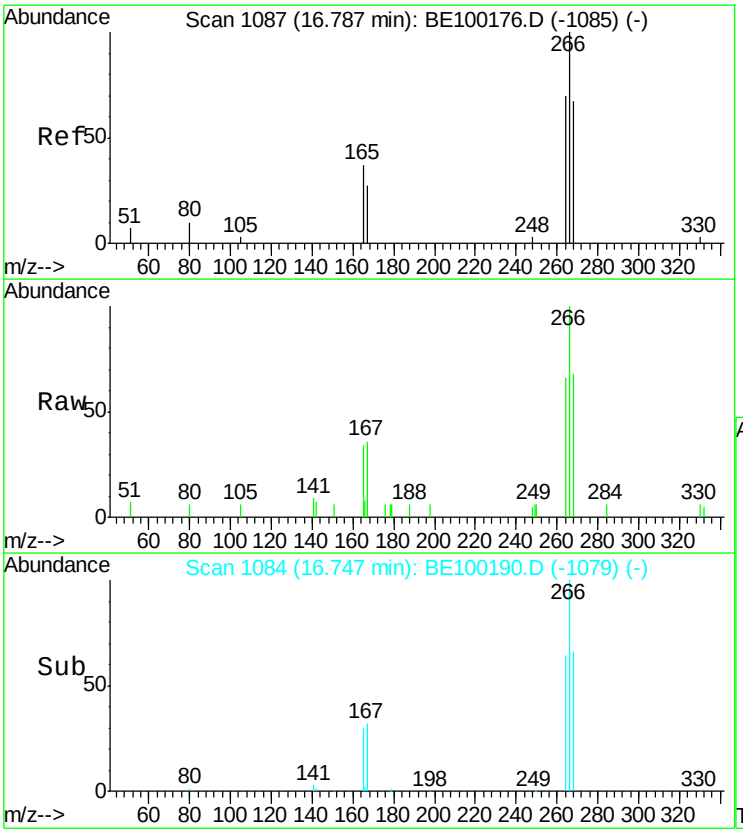
#21
Hexachlorobenzene
Concen: 0.417 ng
RT: 16.40 min Scan# 1058
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:284 Resp: 1294

Ion	Ratio	Lower	Upper
284	100		
142	25.3	20.1	30.1
249	32.5	26.2	39.4

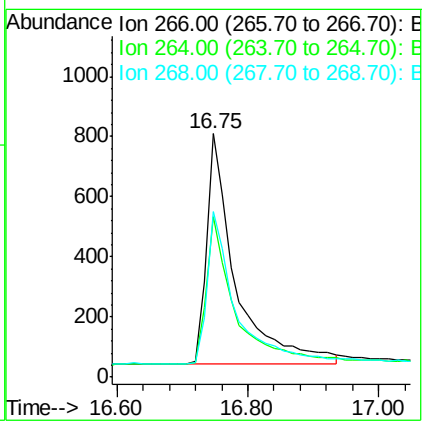


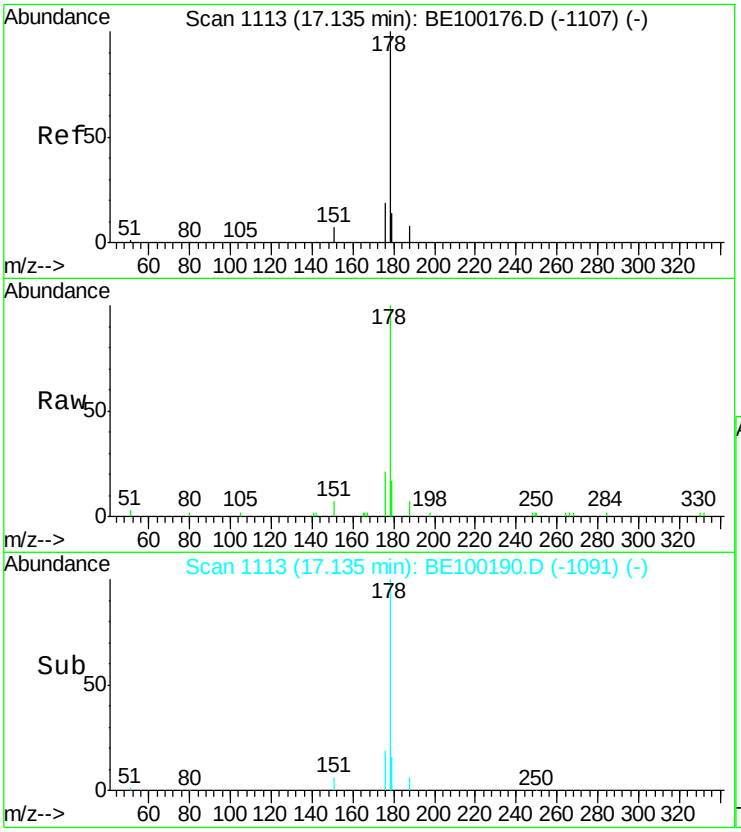


#22
Pentachlorophenol
Concen: 2.495 ng
RT: 16.75 min Scan# 1084
Delta R.T. -0.04 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:266 Resp: 2324

Ion	Ratio	Lower	Upper
266	100		
264	66.0	67.7	101.5#
268	67.8	69.8	104.6#



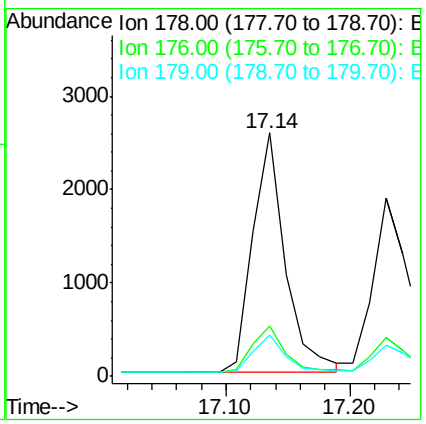


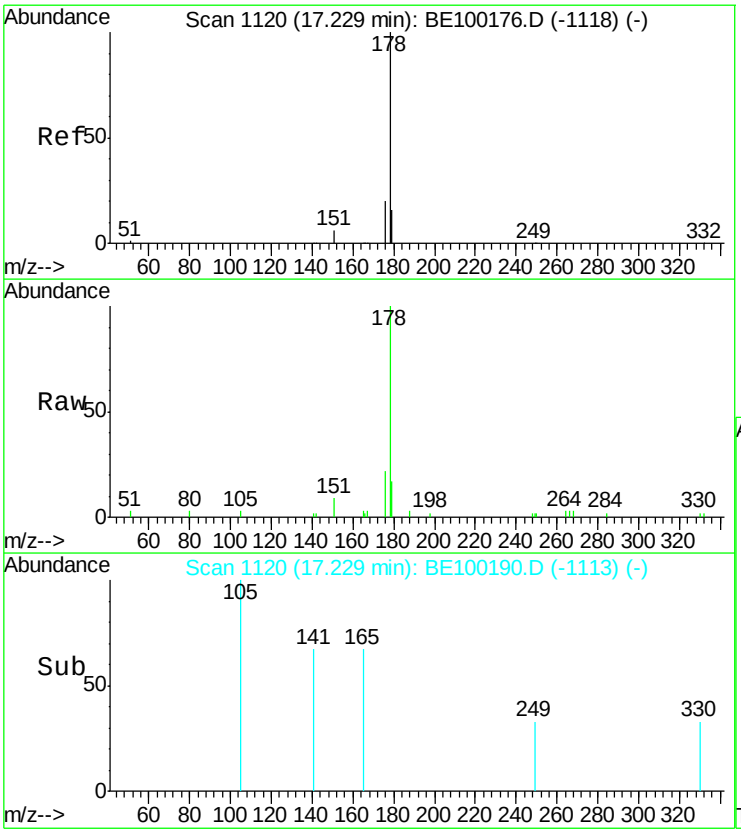
#23
Phenanthrene
Concen: 0.431 ng
RT: 17.14 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:178 Resp: 4652

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.5	23.3
179	15.7	12.2	18.2

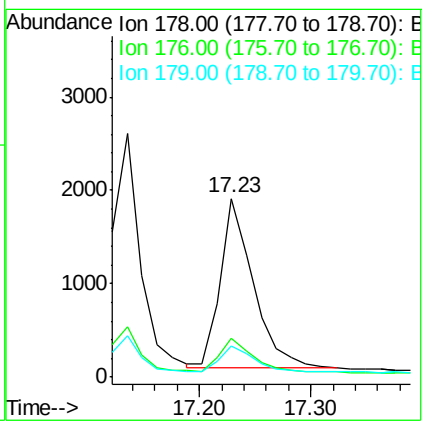


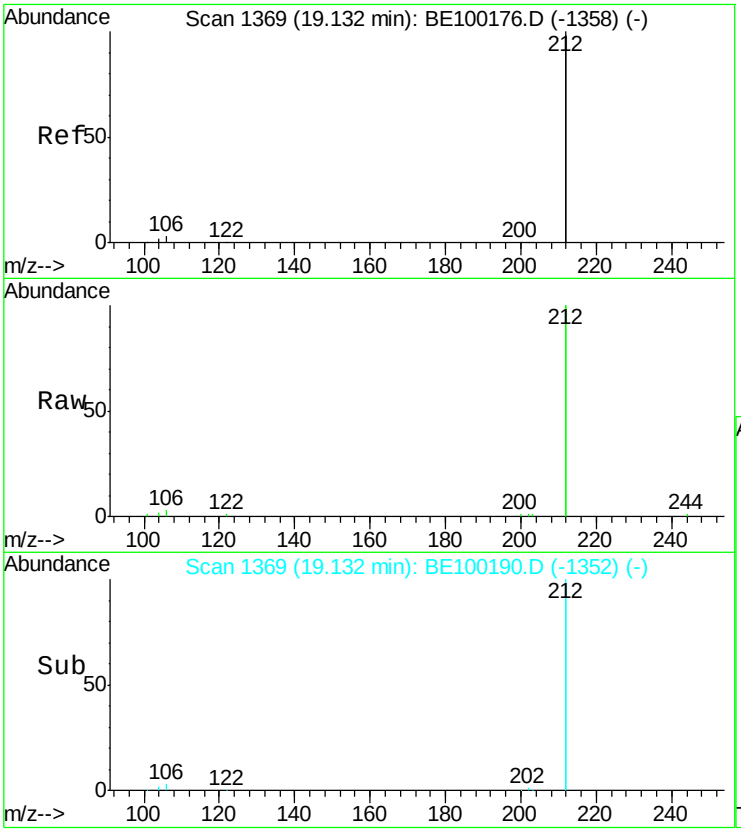


#24
Anthracene
Concen: 0.409 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:178 Resp: 3728

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.9	12.9	19.3



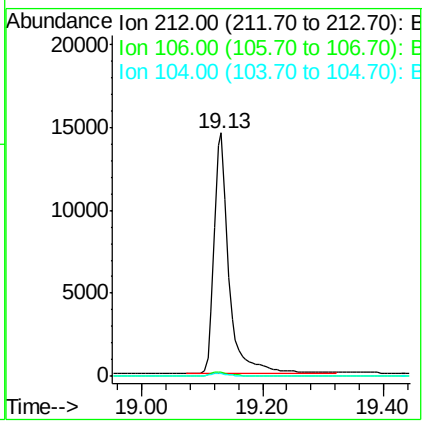


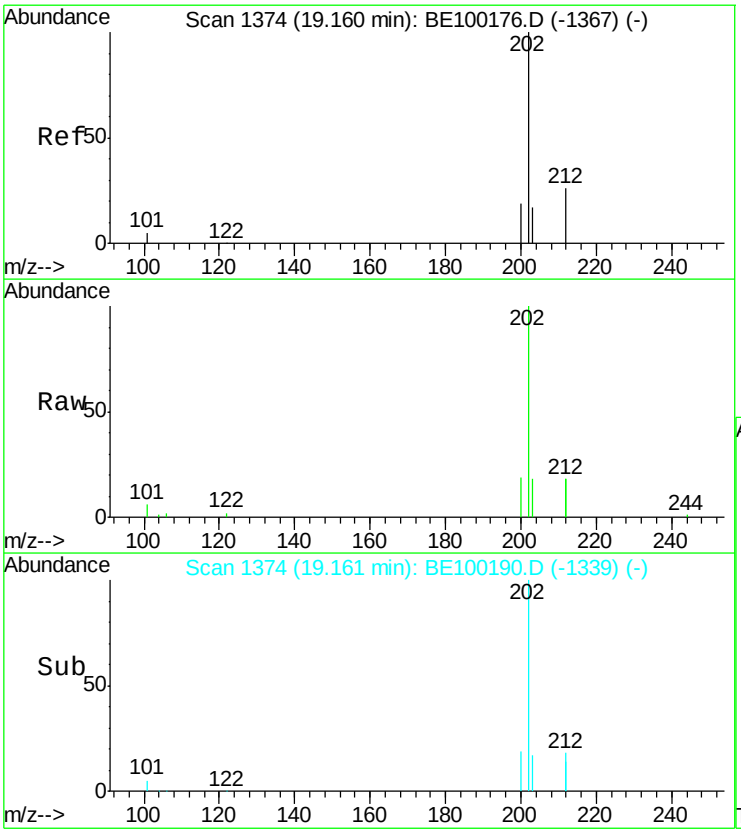
#25
Fluoranthene-d10
Concen: 0.379 ng
RT: 19.13 min Scan# 1369
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:212 Resp: 24912

Ion	Ratio	Lower	Upper
212	100		
106	1.5	1.3	1.9
104	0.9	0.7	1.1

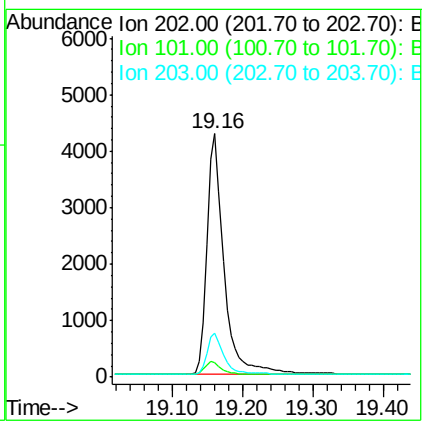


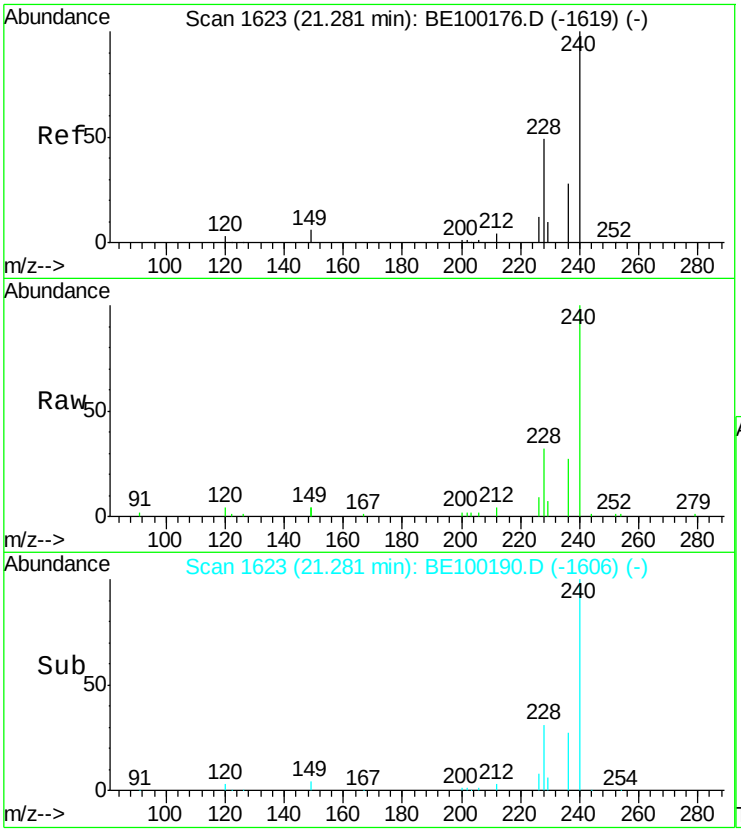


#26
Fluoranthene
Concen: 0.413 ng
RT: 19.16 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:202 Resp: 7244

Ion	Ratio	Lower	Upper
202	100		
101	5.4	4.5	6.7
203	17.0	13.7	20.5



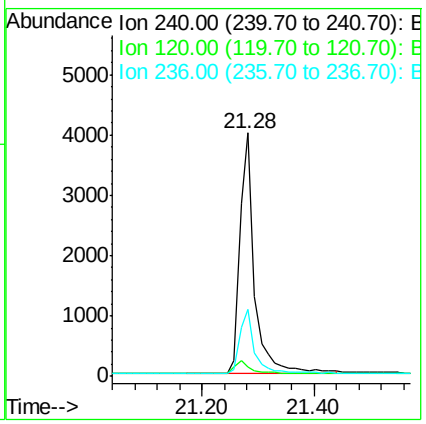


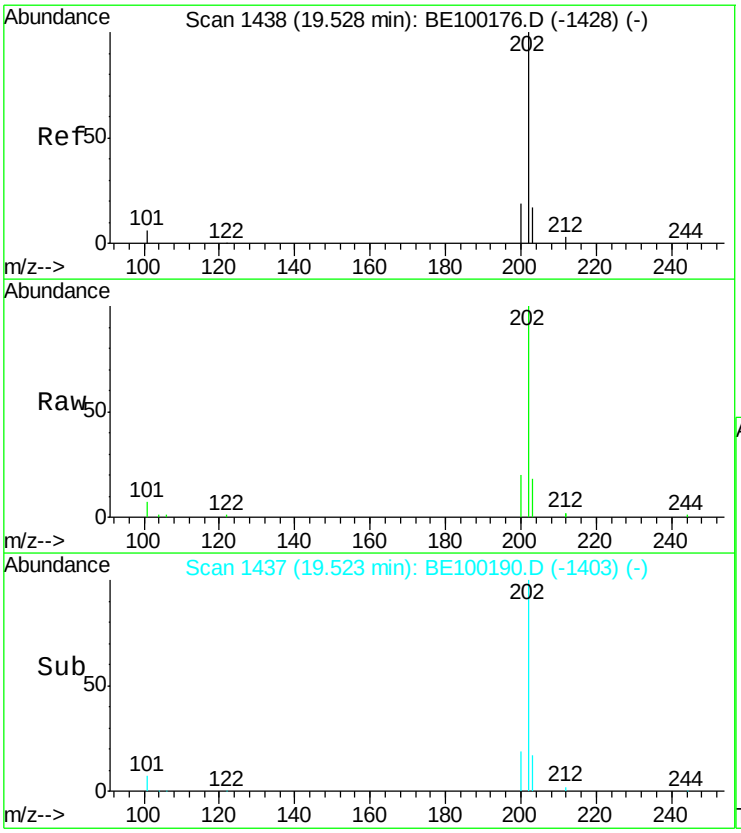
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.28 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:240 Resp: 7220

Ion	Ratio	Lower	Upper
240	100		
120	3.8	4.1	6.1#
236	27.4	23.0	34.6

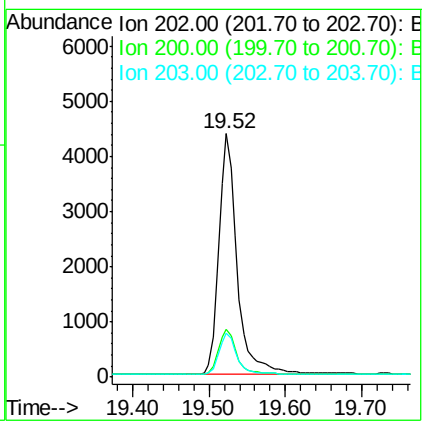


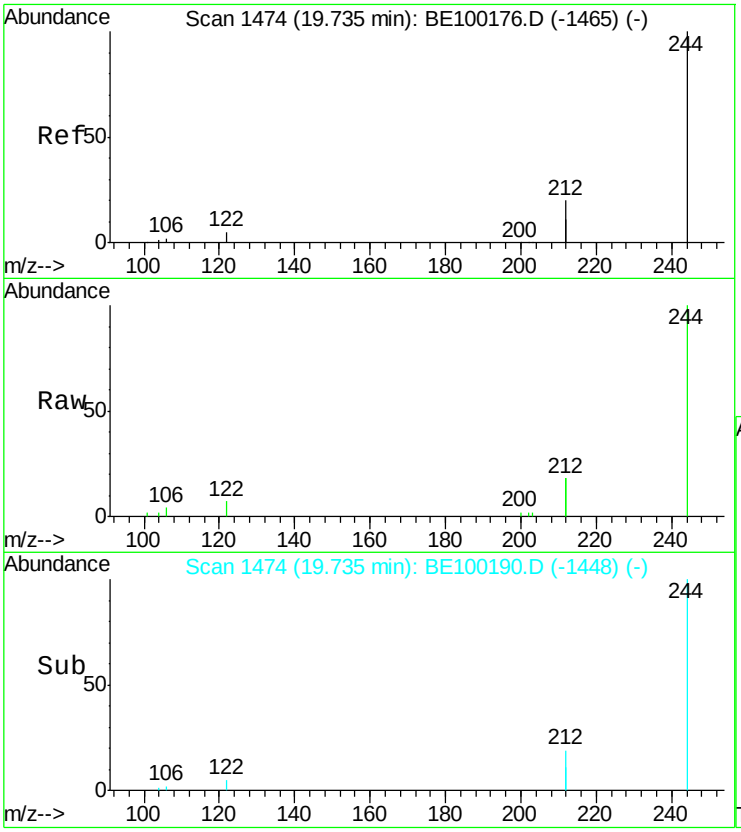


#28
Pyrene
Concen: 0.392 ng
RT: 19.52 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:202 Resp: 7239

Ion	Ratio	Lower	Upper
202	100		
200	19.1	15.5	23.3
203	17.1	13.9	20.9



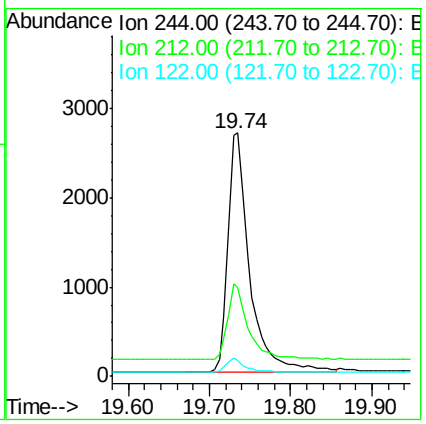


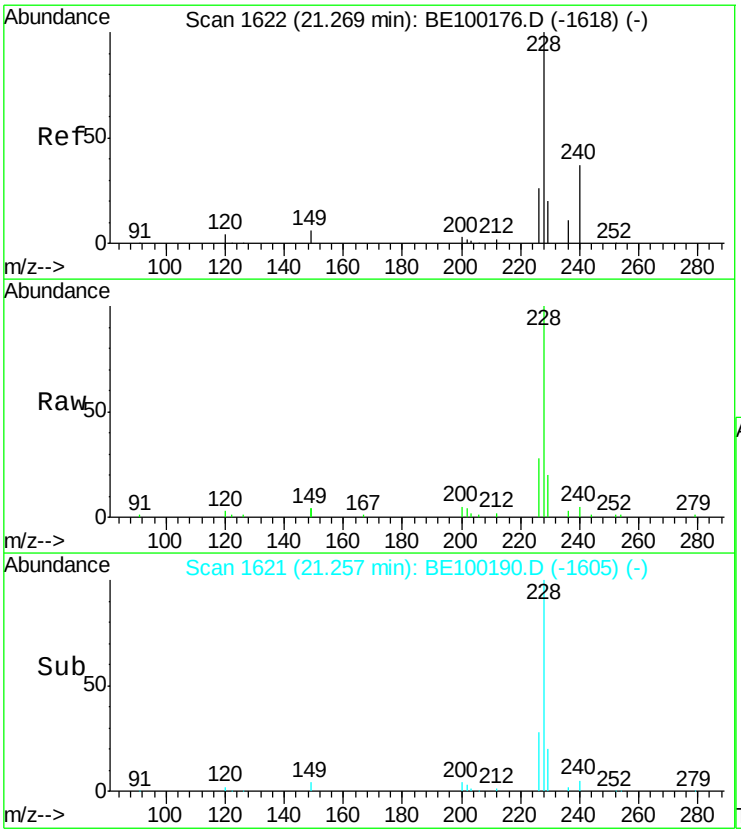
#29
Terphenyl-d14
Concen: 0.352 ng
RT: 19.74 min Scan# 1474
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:244 Resp: 4996

Ion	Ratio	Lower	Upper
244	100		
212	36.5	30.7	46.1
122	6.6	5.8	8.6

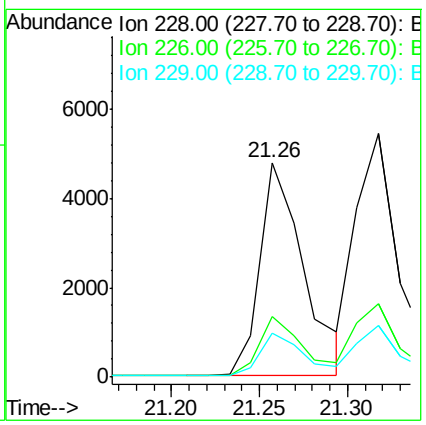


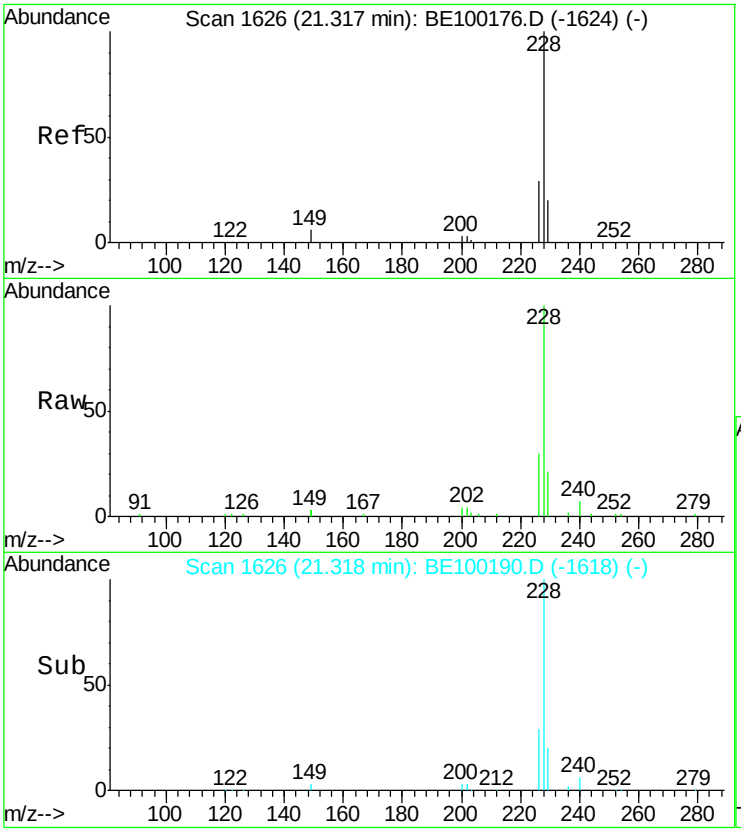


#30
Benzo(a)anthracene
Concen: 0.385 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.01 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:228 Resp: 8190

Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.5	32.3
229	20.4	17.2	25.8



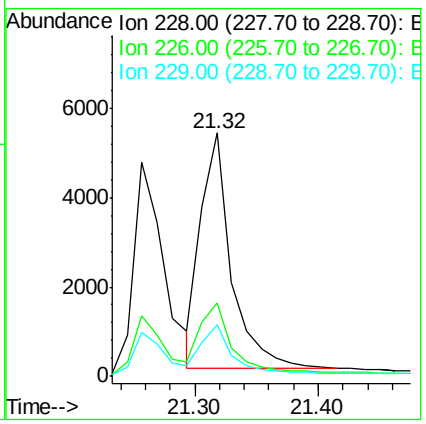


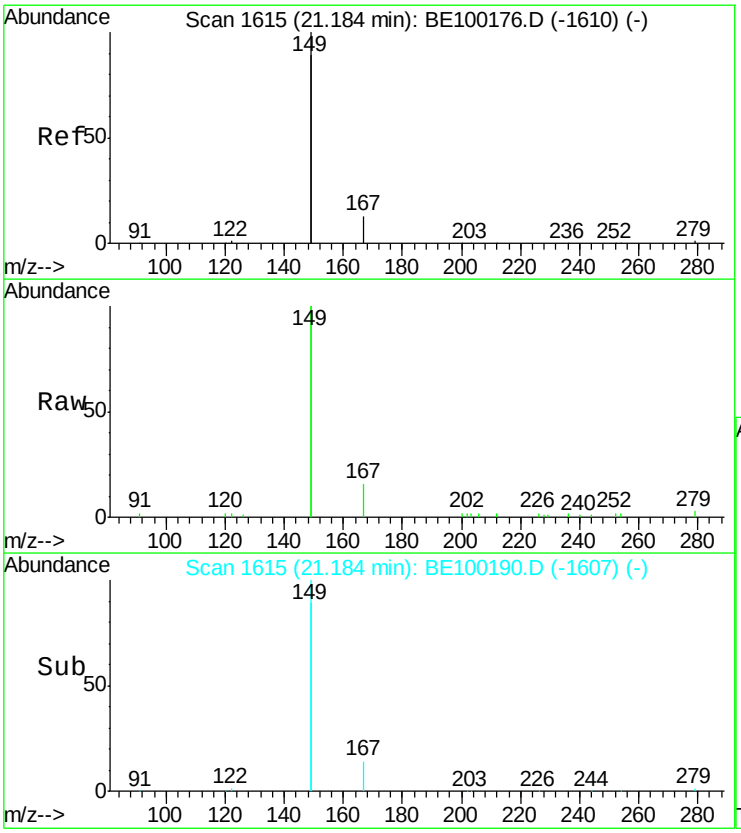
#31
Chrysene
Concen: 0.364 ng
RT: 21.32 min Scan# 1626
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:228 Resp: 9079

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.7	35.5
229	21.1	16.5	24.7

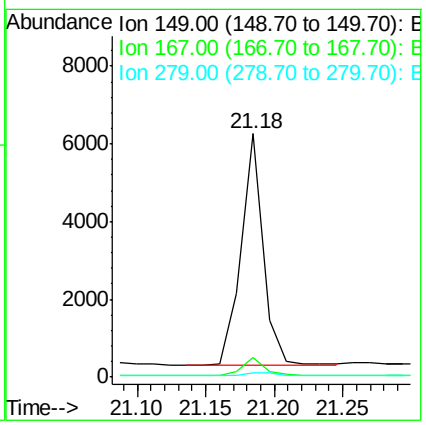


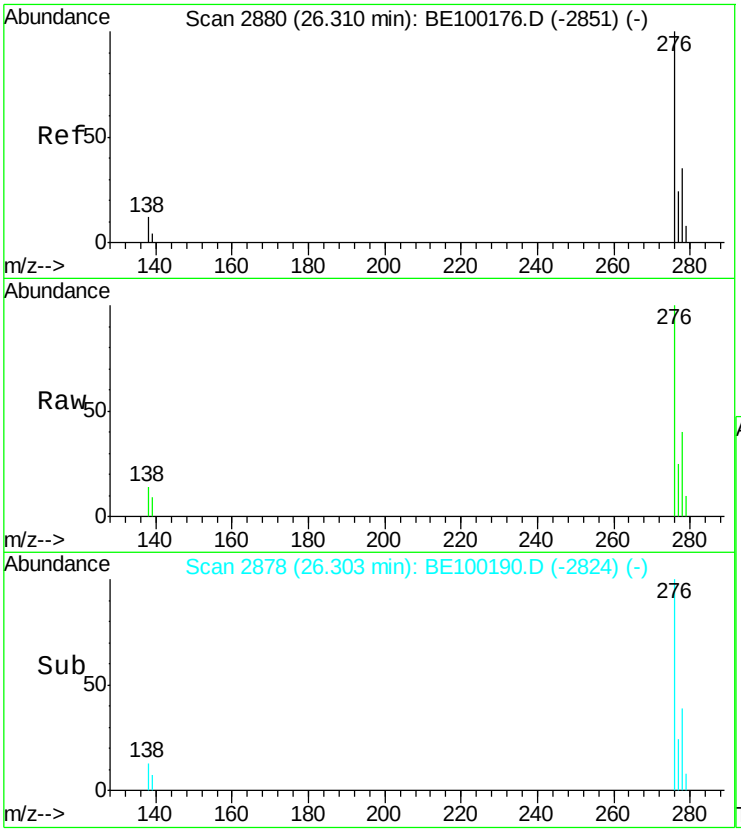


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.273 ng
RT: 21.18 min Scan# 1615
Delta R.T. 0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:149 Resp: 6682

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.9	8.9
279	1.4	1.0	1.6



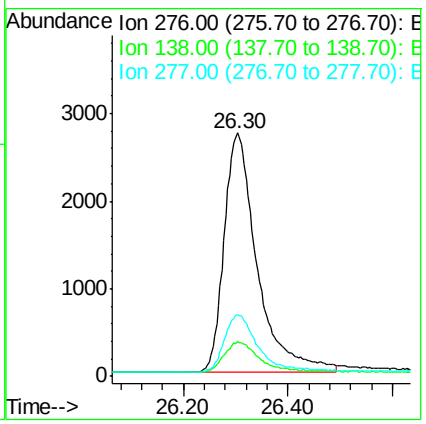


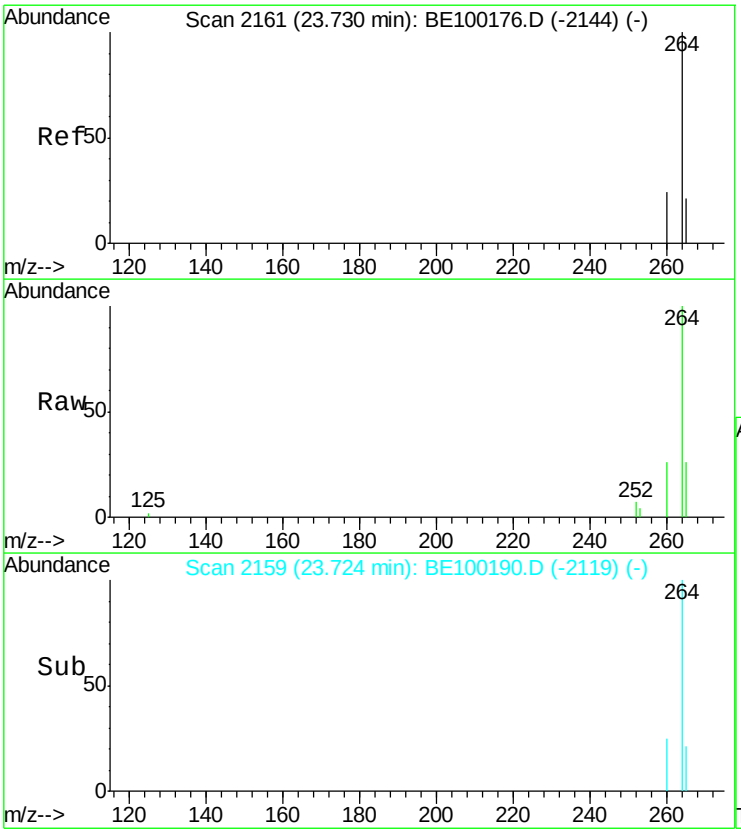
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.338 ng
RT: 26.30 min Scan# 2878
Delta R.T. -0.01 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:276 Resp: 12026

Ion	Ratio	Lower	Upper
276	100		
138	13.1	3.7	5.5#
277	23.7	18.7	28.1

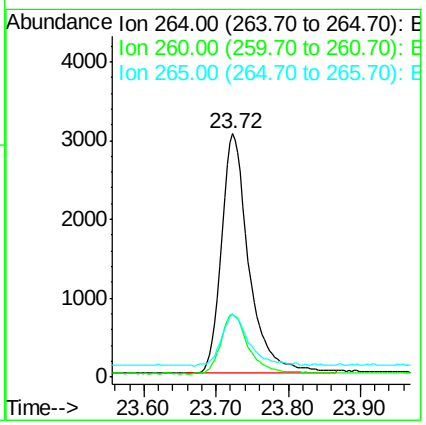


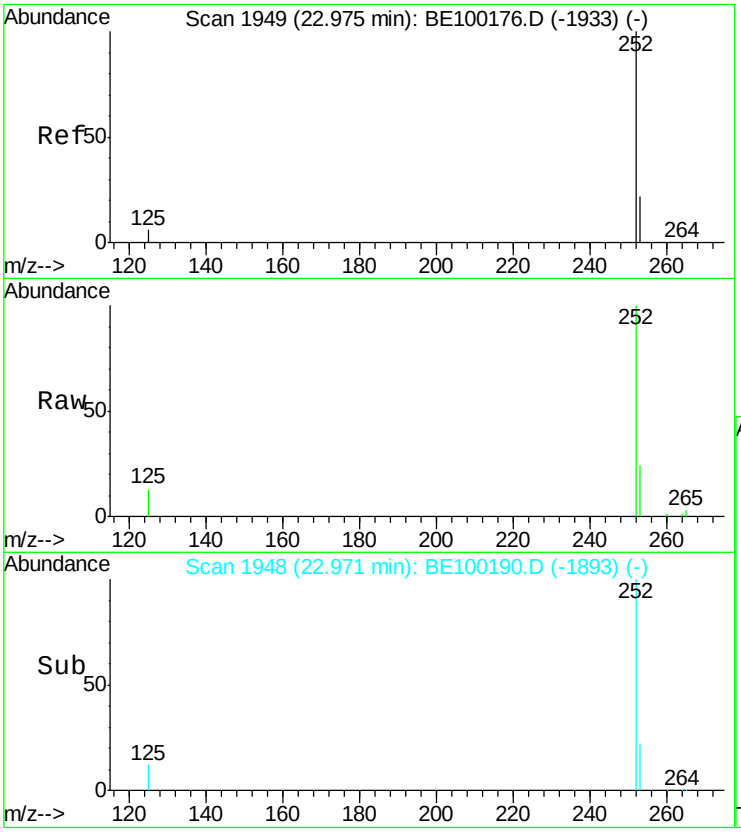


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.72 min Scan# 2159
Delta R.T. -0.01 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:264 Resp: 7965

Ion	Ratio	Lower	Upper
264	100		
260	25.7	20.4	30.6
265	25.8	22.5	33.7



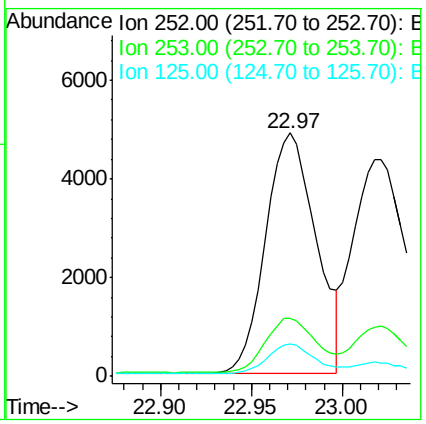


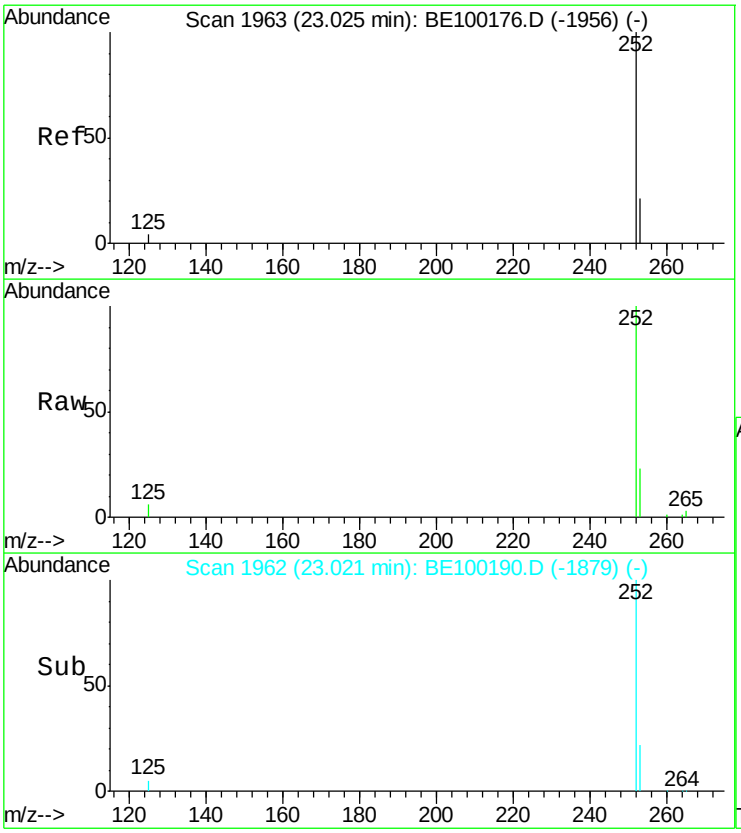
#35
Benzo(b)fluoranthene
Concen: 0.438 ng
RT: 22.97 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:252 Resp: 9375

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.4
125	13.4	6.3	9.5#

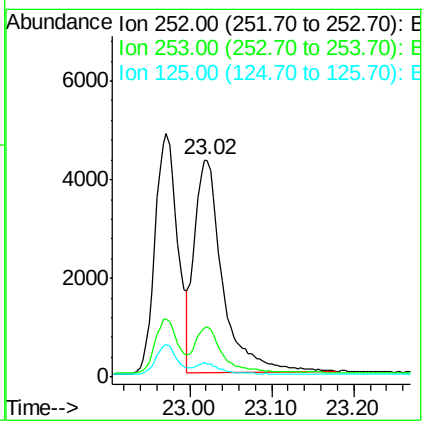


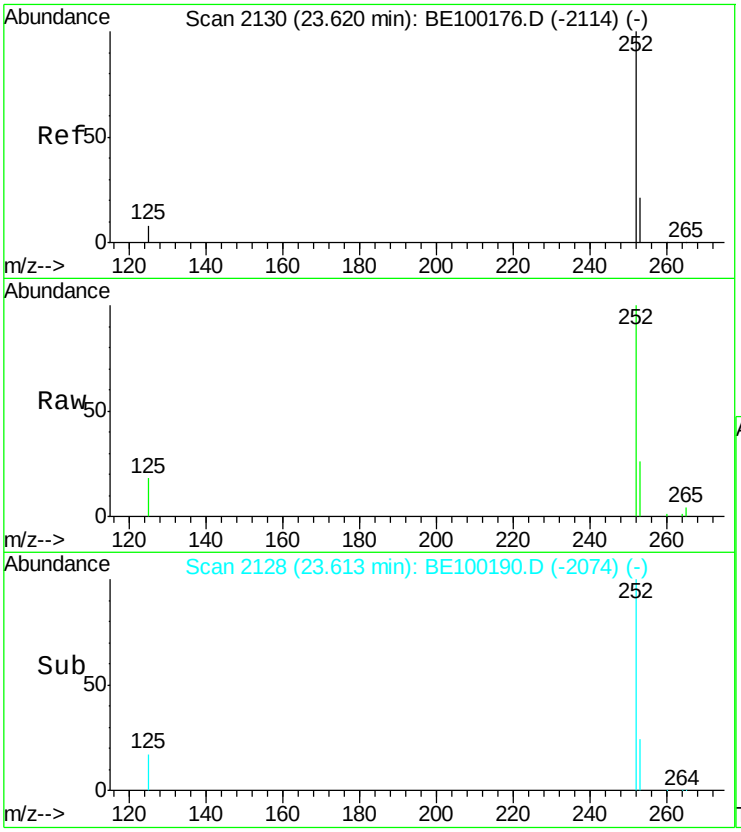


#36
Benzo(k)fluoranthene
Concen: 0.402 ng
RT: 23.02 min Scan# 1962
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:252 Resp: 10313

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	6.2	5.0	7.4



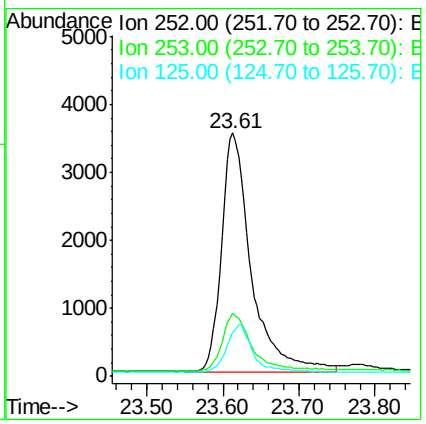


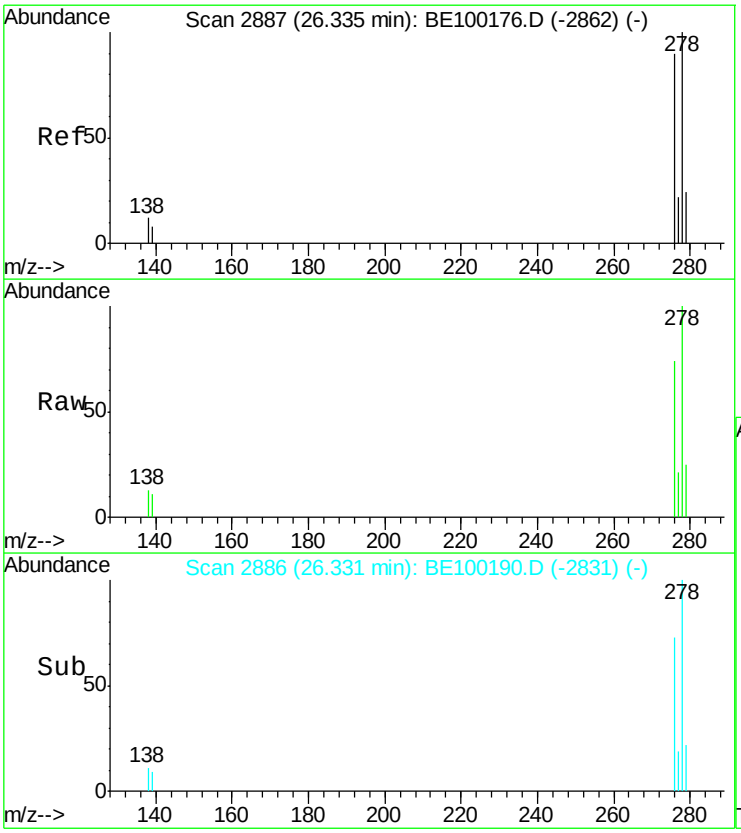
#37
Benzo(a)pyrene
Concen: 0.429 ng
RT: 23.61 min Scan# 2128
Delta R.T. -0.01 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:252 Resp: 9517

Ion	Ratio	Lower	Upper
252	100		
253	25.8	19.2	28.8
125	18.2	8.2	12.2#

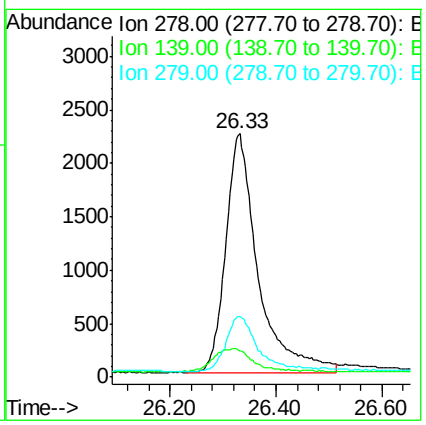


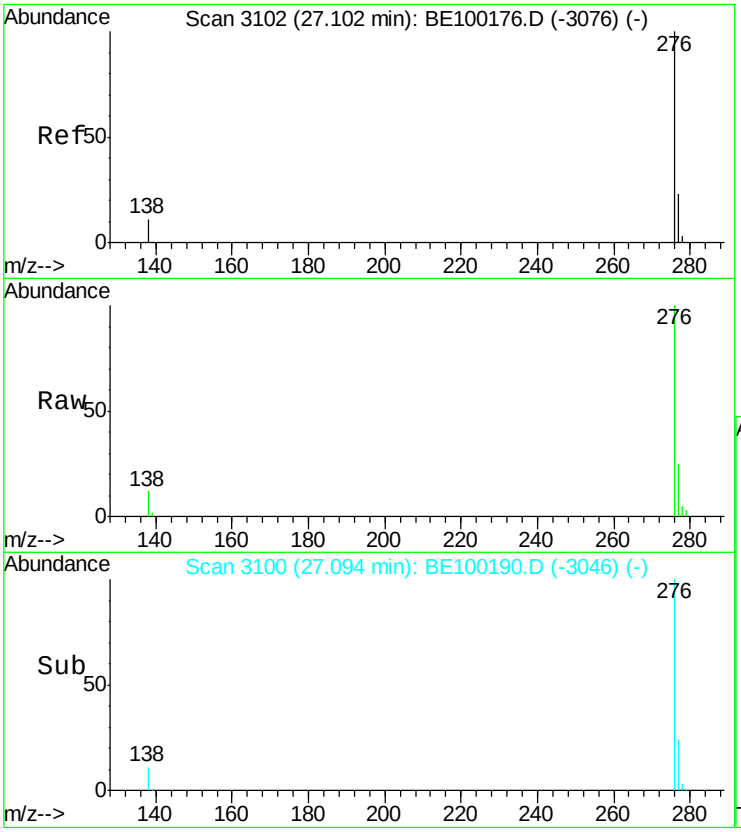


#38
Dibenzo(a,h)anthracene
Concen: 0.399 ng
RT: 26.33 min Scan# 2886
Delta R.T. -0.00 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Tgt Ion:278 Resp: 9463

Ion	Ratio	Lower	Upper
278	100		
139	10.9	9.0	13.4
279	24.6	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 0.376 ng
RT: 27.09 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BE100190.D
Acq: 26 Jun 2019 12:07

Instrument :
BNA_E
ClientSampleId :
PB120704BSD

Tgt Ion:276 Resp: 9320

Ion	Ratio	Lower	Upper
276	100		
277	25.4	19.8	29.6
138	12.4	10.2	15.4