Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE061919\
Data File : BE100083.D
Acq On : 19 Jun 2019 15:01
Operator : JU/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : ICVBE061919

Quant Time: Jun 19 17:36:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	554	0.40	ng		0.02
7) Naphthalene-d8	10.56	136	2068	0.40	ng		0.03
13) Acenaphthene-d10	14.43	164	1558	0.40	ng		0.01
19) Phenanthrene-d10	17.17	188	4937	0.40	ng		0.01
27) Chrysene-d12	21.35	240	7123	0.40	ng		0.01
34) Perylene-d12	23.85	264	7729	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.31	112	473	0.41	ng		0.00
5) Phenol-d6	6.94	99	655	0.41	ng		0.02
8) Nitrobenzene-d5	8.94	82	800	0.40	ng		0.03
11) 2-Methylnaphthalene-d10	12.17	152	1474	0.37	ng		0.01
14) 2,4,6-Tribromophenol	15.93	330	300	0.35	ng		0.01
15) 2-Fluorobiphenyl	13.06	172	2605	0.43	ng		0.01
25) Fluoranthene-d10	19.20	212	27790	0.39	ng		0.00
29) Terphenyl-d14	19.81	244	5838	0.41	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.20	88	387	0.435	ng		90
3) n-Nitrosodimethylamine	3.60	42	104	0.520	ng	#	100
6) bis(2-Chloroethyl)ether	7.20	93	579	0.389	ng	#	69
9) Naphthalene	10.60	128	8792	0.391	ng		99
10) Hexachlorobutadiene	10.87	225	879	0.398	ng		98
12) 2-Methylnaphthalene	12.24	142	1436	0.389	ng		96
16) Acenaphthylene	14.15	152	2924	0.395	ng		99
17) Acenaphthene	14.48	154	1627	0.393	ng		99
18) Fluorene	15.46	166	2475	0.402	ng		99
20) 4-Bromophenyl-phenylether	16.37	248	1141	0.389	ng		94
21) Hexachlorobenzene	16.47	284	1303	0.402	ng		97
22) Pentachlorophenol	16.87	266	190	0.423	ng		95
23) Phenanthrene	17.21	178	4658	0.394	ng		100
24) Anthracene	17.31	178	3940	0.395	ng		98
26) Fluoranthene	19.24	202	7569	0.399	ng		100
28) Pyrene	19.60	202	7478	0.408	ng		100
30) Benzo(a)anthracene	21.34	228	8415	0.397	ng		97
31) Chrysene	21.39	228	9991	0.406	ng		100
32) Bis(2-ethylhexyl)phthalate	21.26	149	7034	0.352	ng		100
33) Indeno(1,2,3-cd)pyrene	26.49	276	11036	0.398	ng	#	95
35) Benzo(b)fluoranthene	23.08	252	8935	0.394	ng		99
36) Benzo(k)fluoranthene	23.13	252	10228	0.396	ng		98
37) Benzo(a)pyrene	23.74	252	8542	0.390	ng		97
38) Dibenzo(a,h)anthracene	26.53	278	8818	0.393	ng		97
39) Benzo(g,h,i)perylene	27.30	276	9172	0.393	ng		98

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

Quantitation Report (QT Reviewed)

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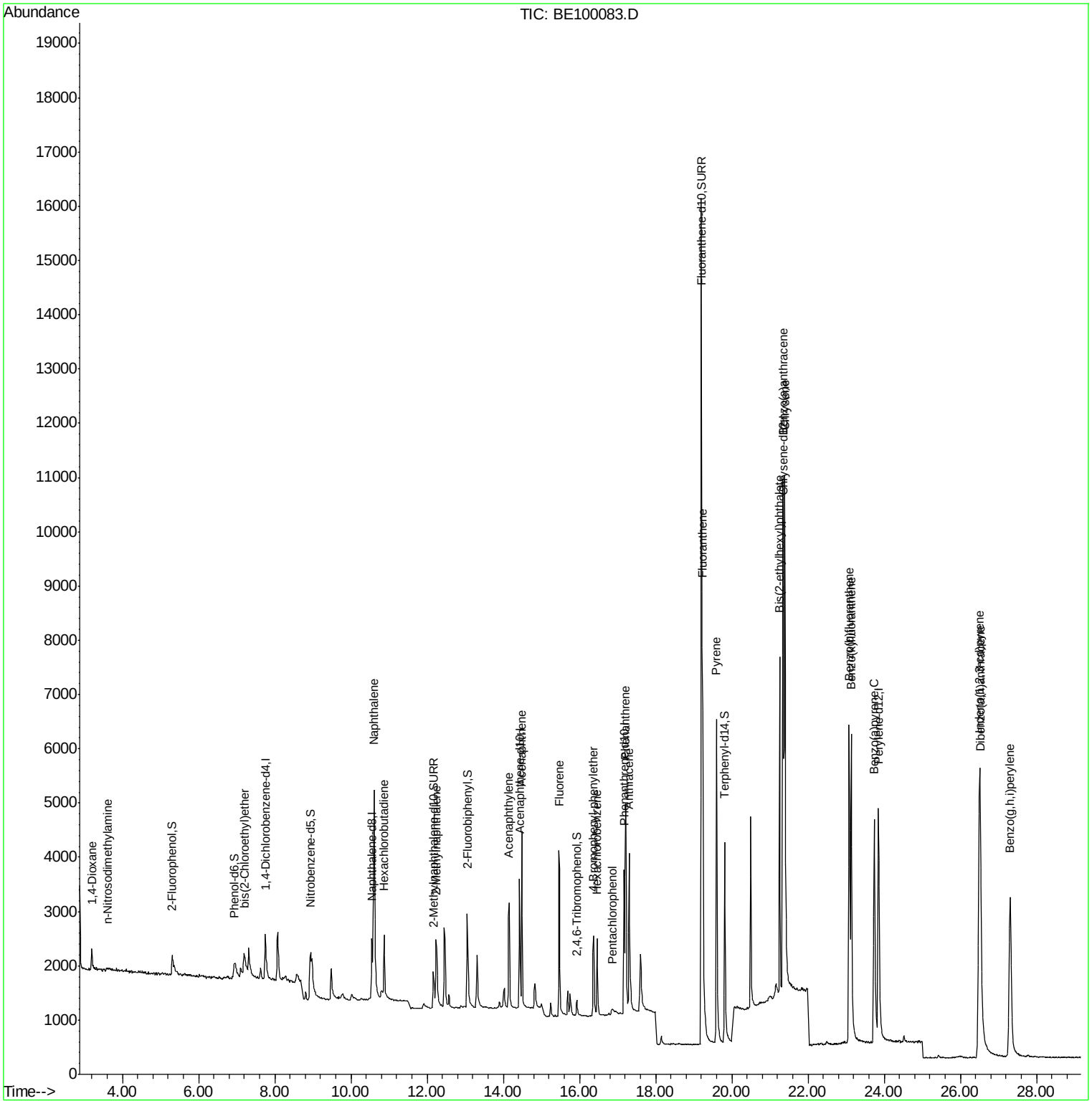
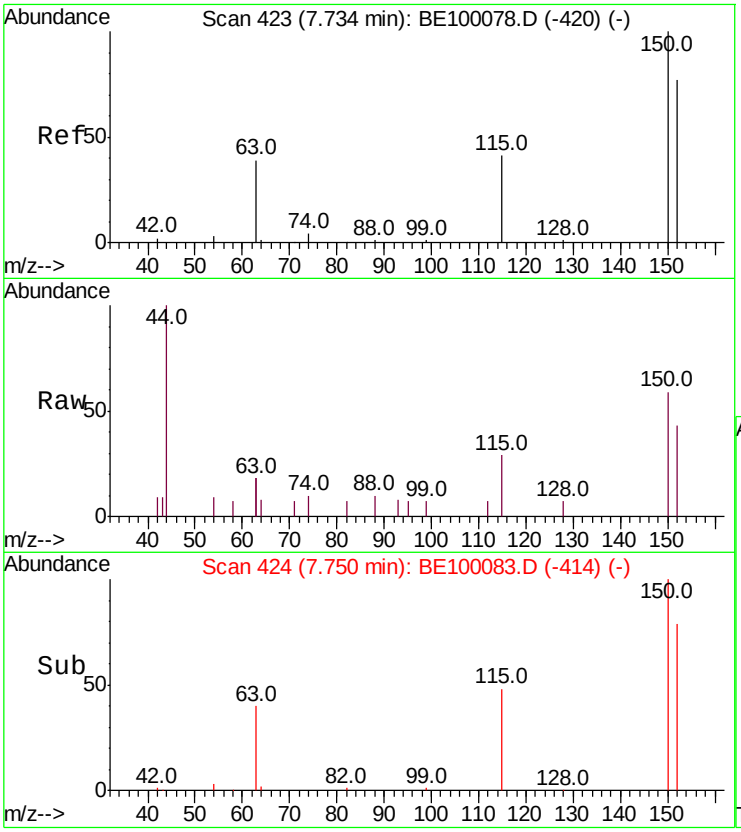
Data File : BE100083.D
Acq On : 19 Jun 2019 15:01
Operator : JU/SJ
Sample : SSTDICV0.4
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Quant Time: Jun 19 17:36:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE061919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 19 15:07:24 2019
Response via : Initial Calibration

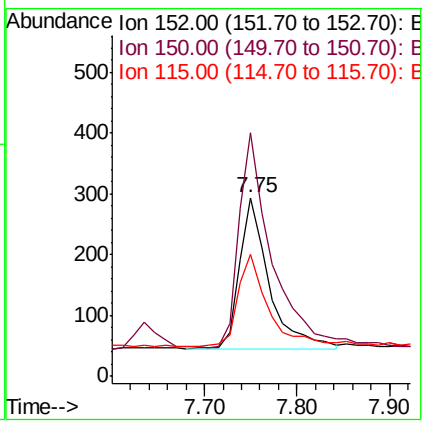




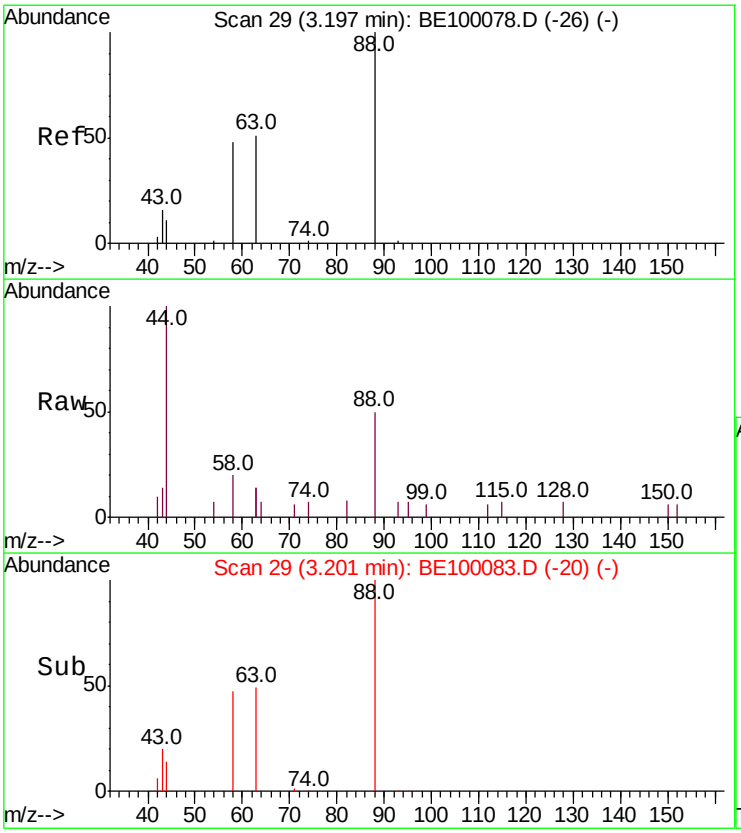
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.75 min Scan# 424
Delta R.T. 0.02 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:152 Resp: 554

Ion	Ratio	Lower	Upper
152	100		
150	136.4	99.8	149.8
115	68.0	51.3	76.9



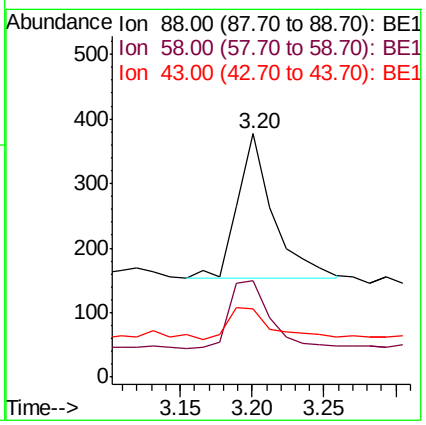
Instrument :
BNA_E
ClientSampleId :
ICVBE061919

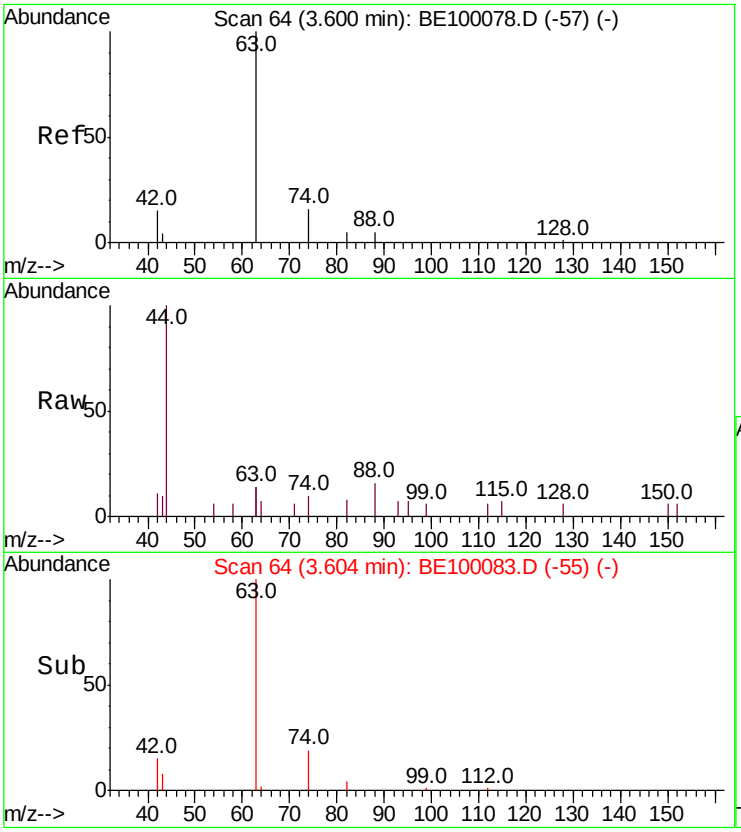


#2
1,4-Dioxane
Concen: 0.435 ng
RT: 3.20 min Scan# 29
Delta R.T. 0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion: 88 Resp: 387

Ion	Ratio	Lower	Upper
88	100		
58	53.0	51.1	76.7
43	27.9	21.7	32.5



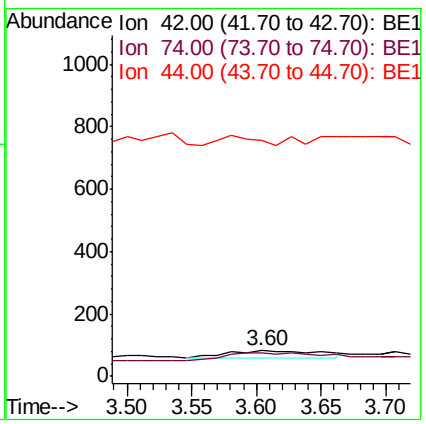


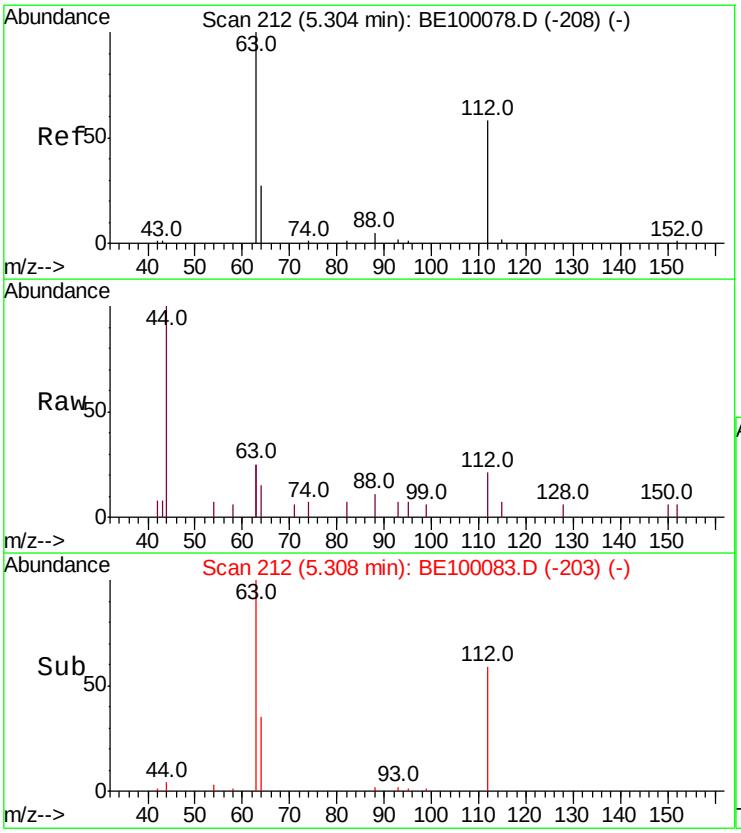
#3
n-Nitrosodimethylamine
Concen: 0.520 ng
RT: 3.60 min Scan# 64
Delta R.T. 0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion: 42 Resp: 104

Ion	Ratio	Lower	Upper
42	100		
74	106.7	0.0	0.0#
44	0.0	0.0	0.0

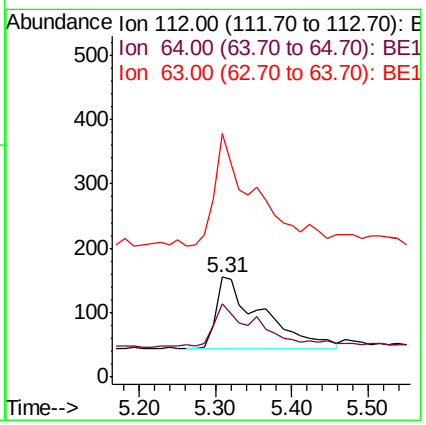


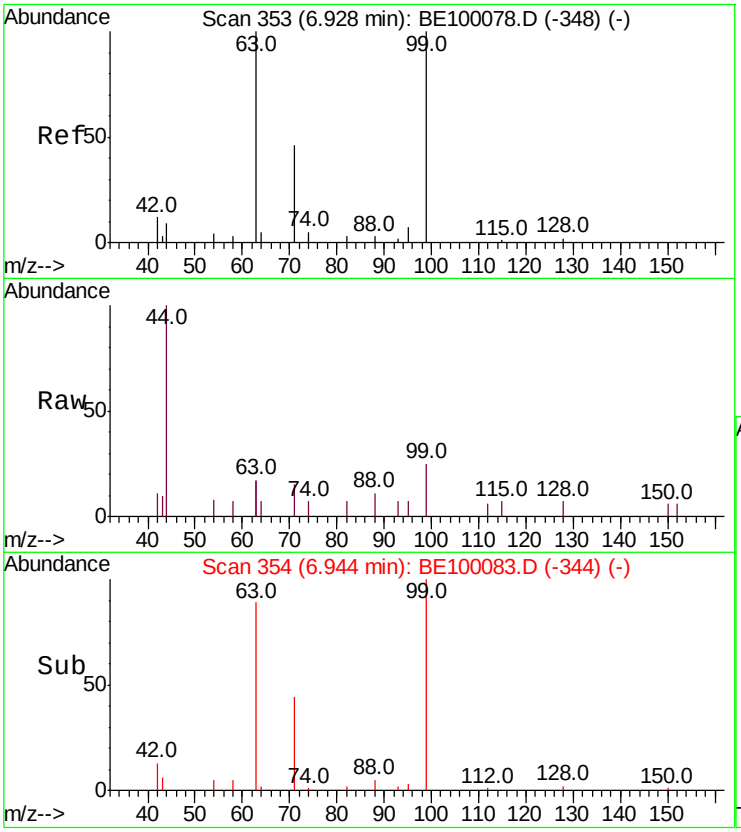


#4
2-Fluorophenol
Concen: 0.411 ng
RT: 5.31 min Scan# 212
Delta R.T. 0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:112 Resp: 473

Ion	Ratio	Lower	Upper
112	100		
64	56.2	22.0	33.0#
63	134.9	121.8	182.6



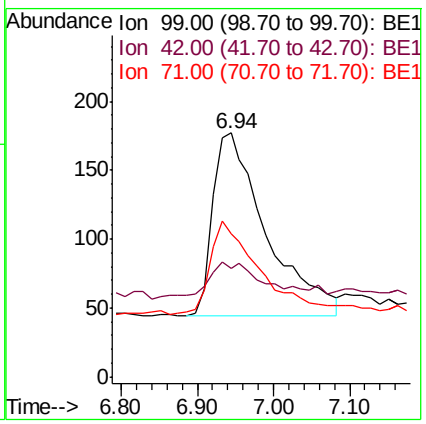


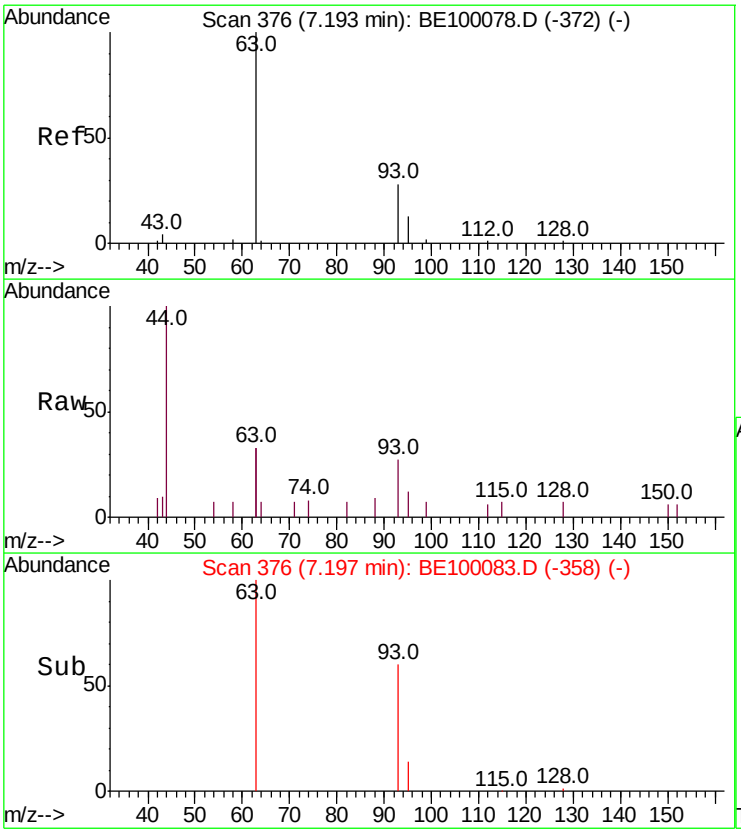
#5
Phenol-d6
Concen: 0.415 ng
RT: 6.94 min Scan# 354
Delta R.T. 0.02 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion: 99 Resp: 655

Ion	Ratio	Lower	Upper
99	100		
42	17.9	0.0	0.0#
71	50.8	37.6	56.4

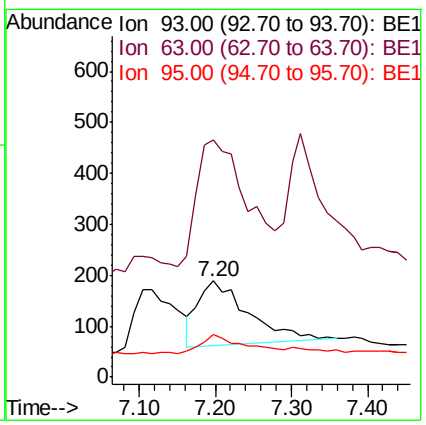


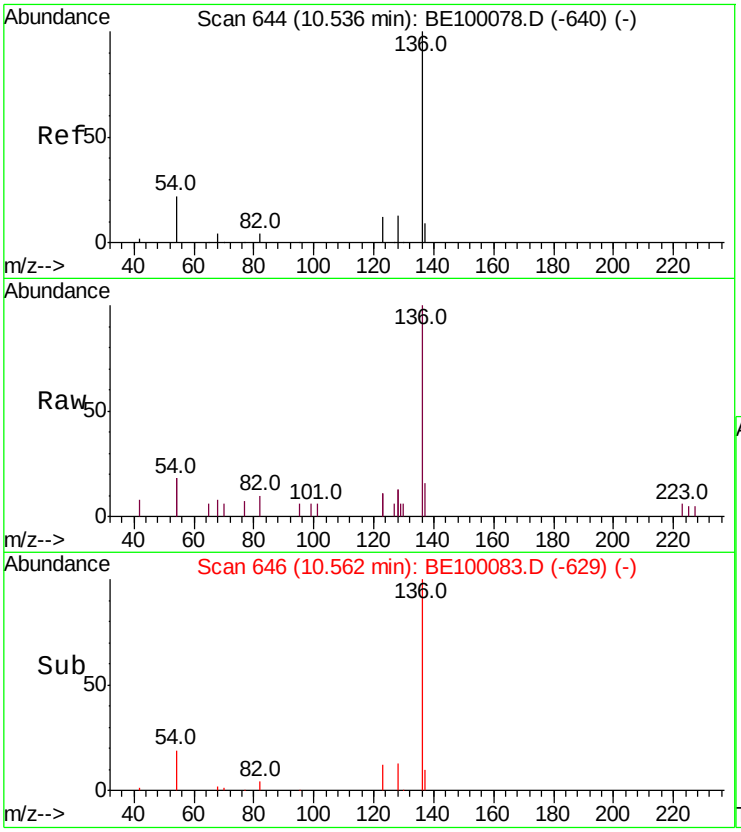


#6
bis(2-Chloroethyl)ether
Concen: 0.389 ng
RT: 7.20 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion: 93 Resp: 579

Ion	Ratio	Lower	Upper
93	100		
63	193.3	200.0	300.0#
95	22.6	24.0	36.0#



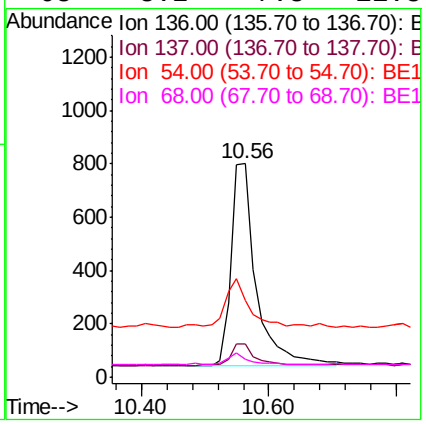


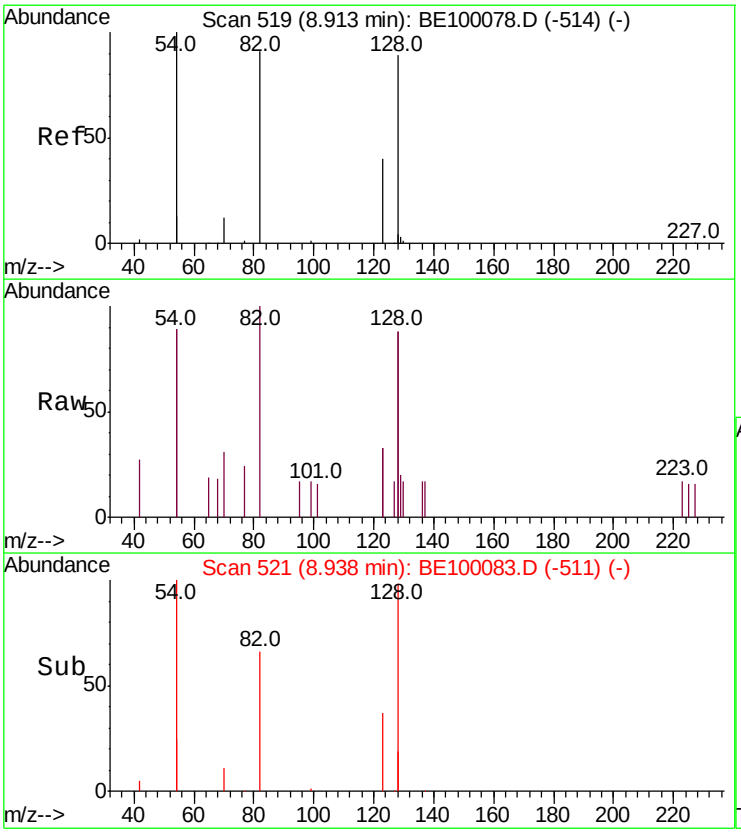
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.56 min Scan# 646
Delta R.T. 0.03 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:136 Resp: 2068

Ion	Ratio	Lower	Upper
136	100		
137	15.7	11.6	17.4
54	35.7	33.9	50.9
68	8.2	7.8	11.8

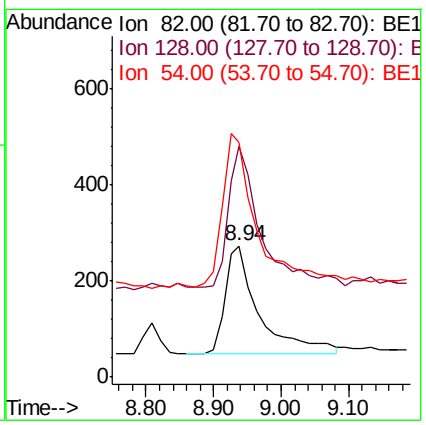


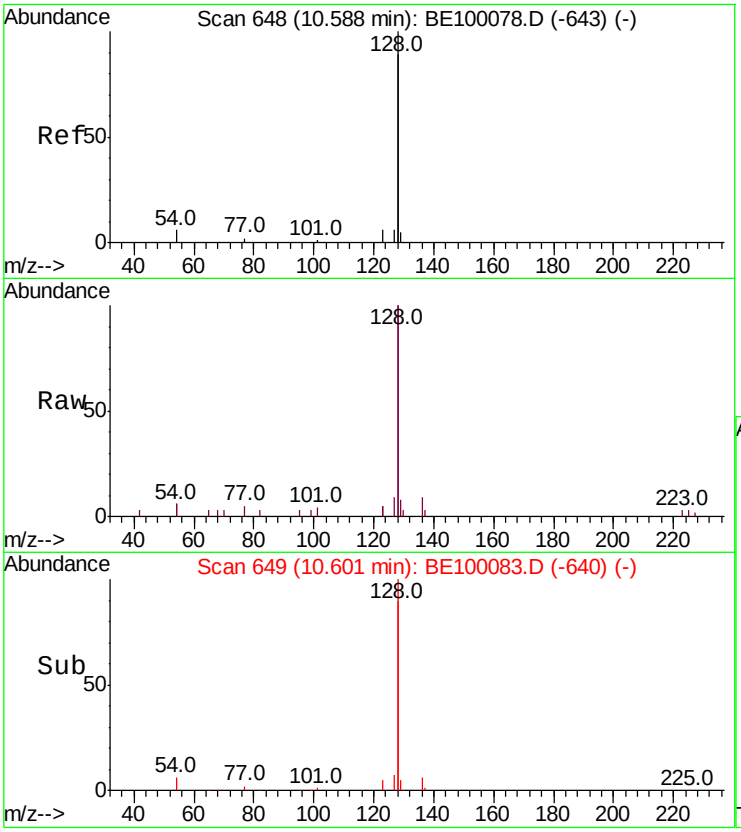


#8
Nitrobenzene-d5
Concen: 0.399 ng
RT: 8.94 min Scan# 521
Delta R.T. 0.03 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion: 82 Resp: 800

Ion	Ratio	Lower	Upper
82	100		
128	175.8	128.0	192.0
54	178.8	143.4	215.0



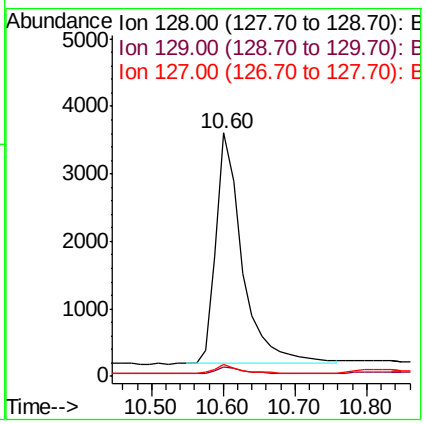


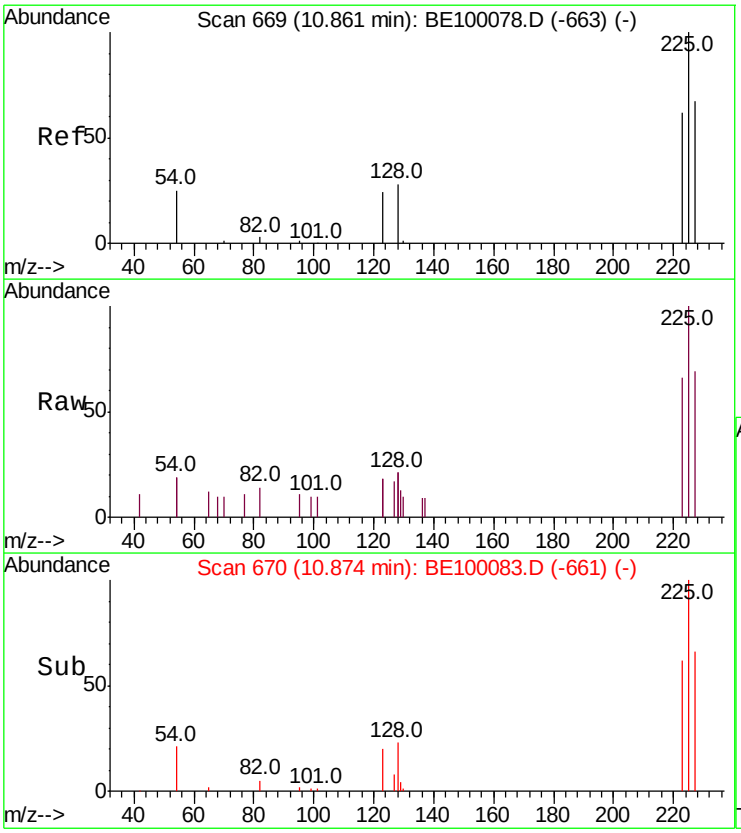
#9
Naphthalene
Concen: 0.391 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:128 Resp: 8792

Ion	Ratio	Lower	Upper
128	100		
129	3.8	3.1	4.7
127	4.7	3.4	5.2

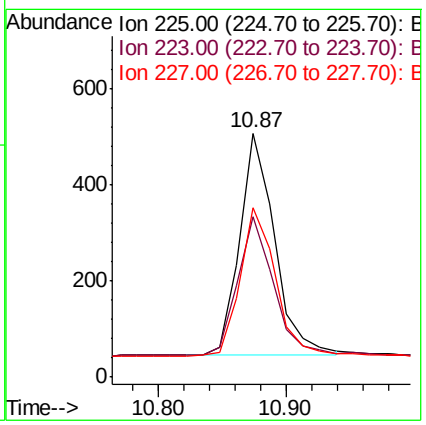


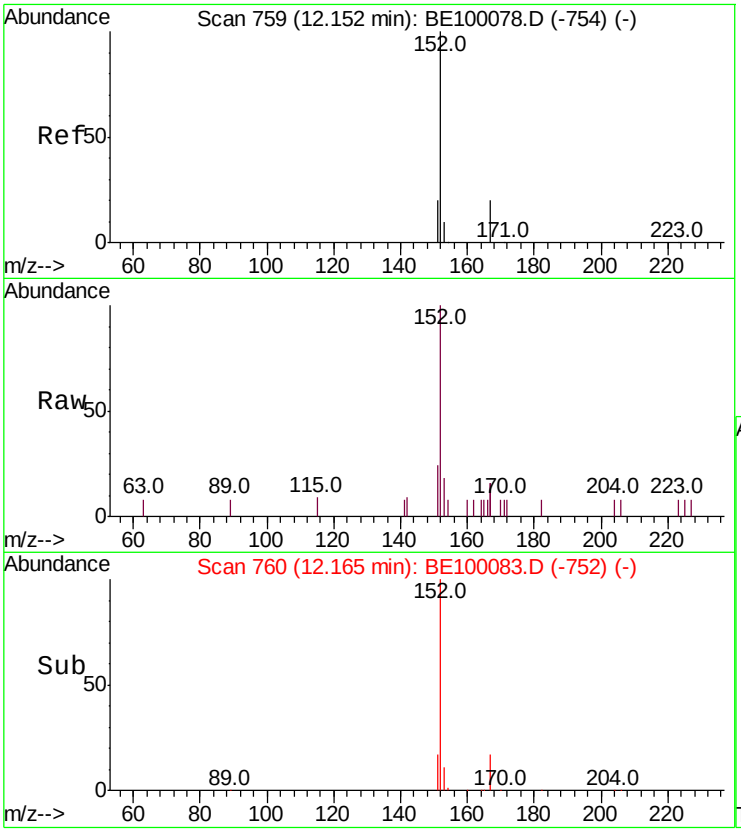


#10
Hexachlorobutadiene
Concen: 0.398 ng
RT: 10.87 min Scan# 670
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:225 Resp: 879

Ion	Ratio	Lower	Upper
225	100		
223	63.4	52.2	78.4
227	66.9	53.0	79.6



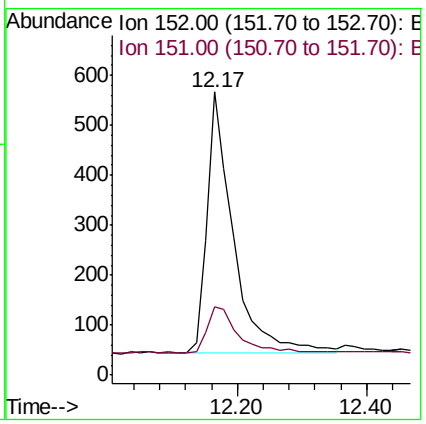


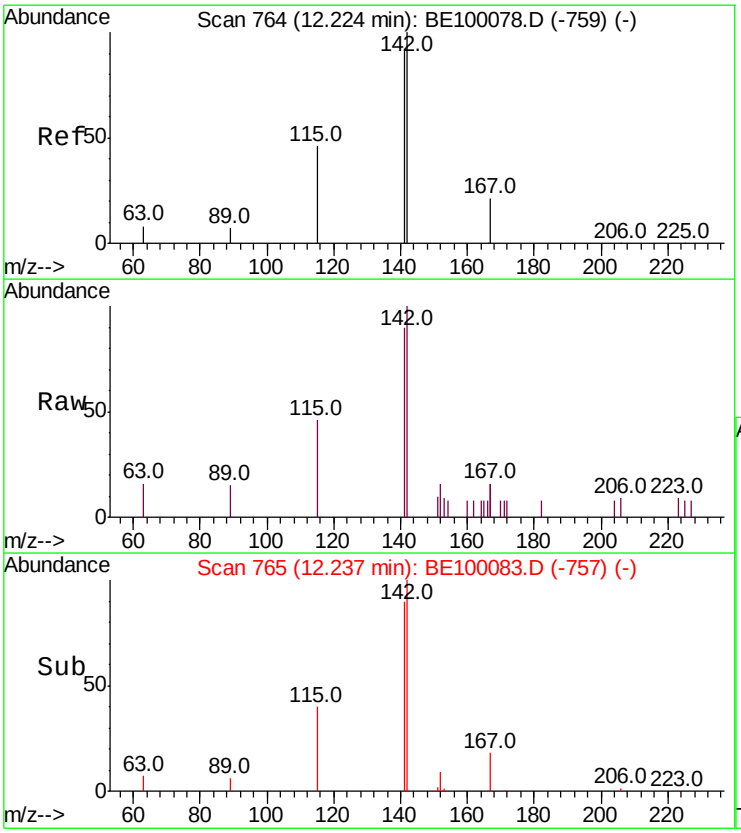
#11
2-Methylnaphthalene-d10
Concen: 0.375 ng
RT: 12.17 min Scan# 760
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:152 Resp: 1474

Ion	Ratio	Lower	Upper
152	100		
151	21.3	16.3	24.5

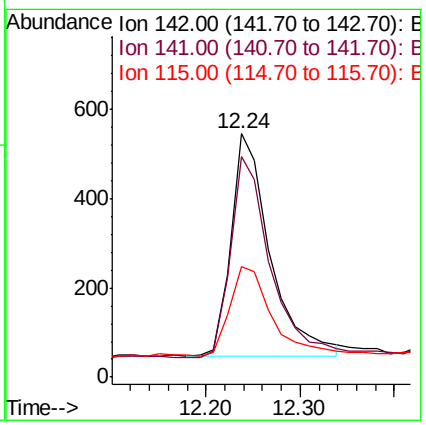


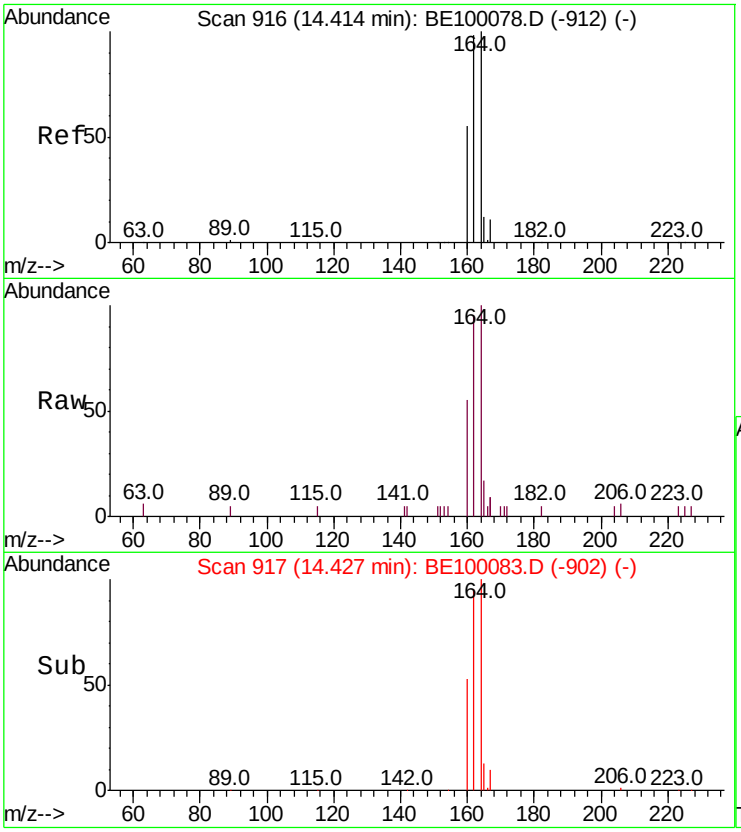


#12
2-Methylnaphthalene
Concen: 0.389 ng
RT: 12.24 min Scan# 765
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:142 Resp: 1436

Ion	Ratio	Lower	Upper
142	100		
141	90.5	74.1	111.1
115	45.5	40.9	61.3



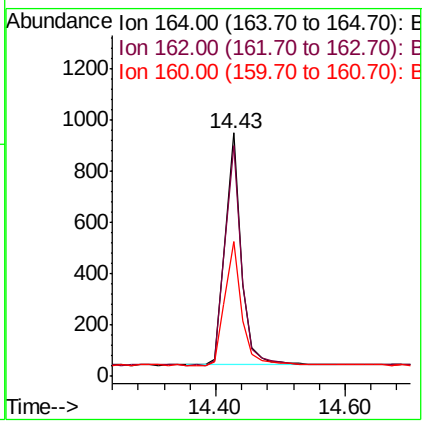


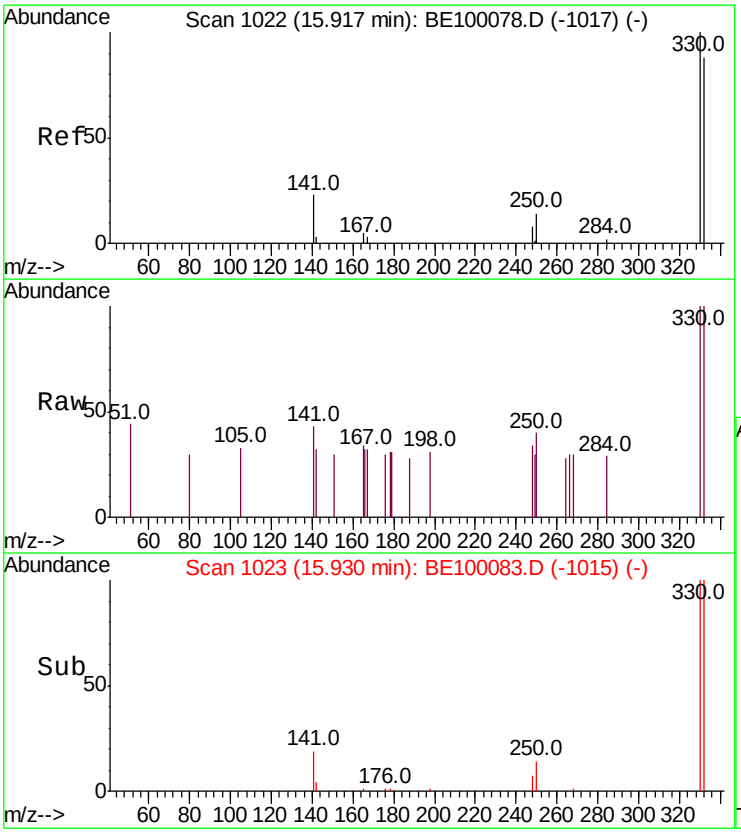
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.43 min Scan# 917
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:164 Resp: 1558

Ion	Ratio	Lower	Upper
164	100		
162	94.8	78.2	117.2
160	55.4	45.6	68.4

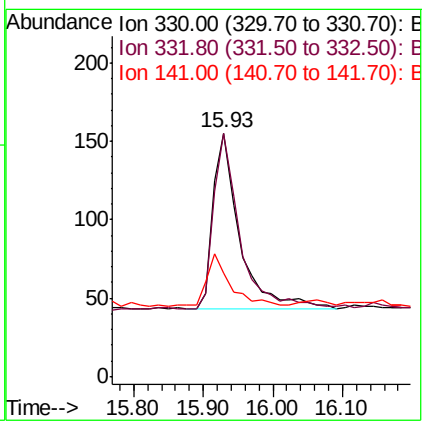


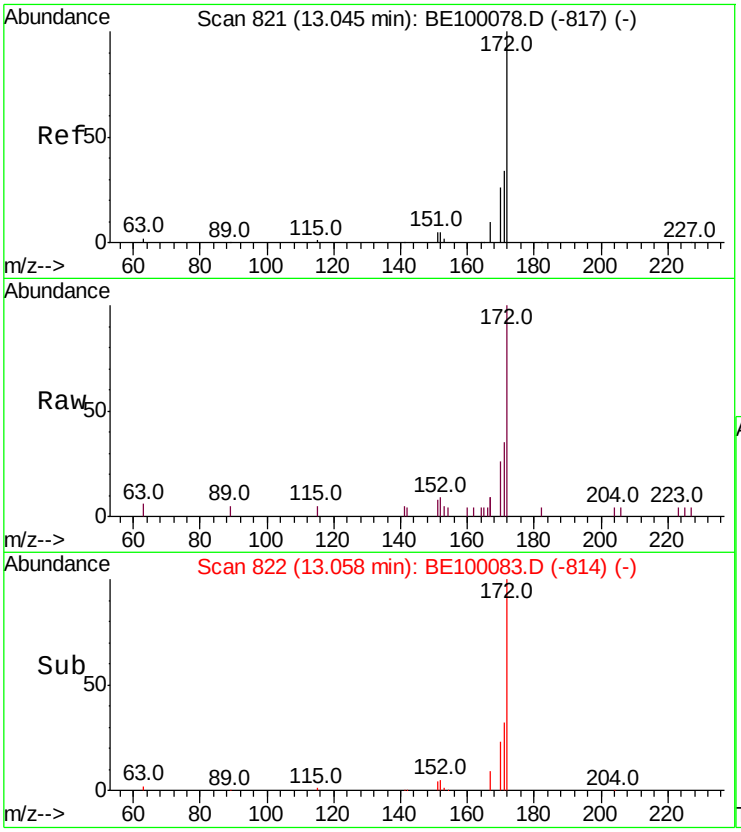


#14
2,4,6-Tribromophenol
Concen: 0.349 ng
RT: 15.93 min Scan# 1023
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:330 Resp: 300

Ion	Ratio	Lower	Upper
330	100		
332	99.0	73.3	109.9
141	23.3	22.2	33.2



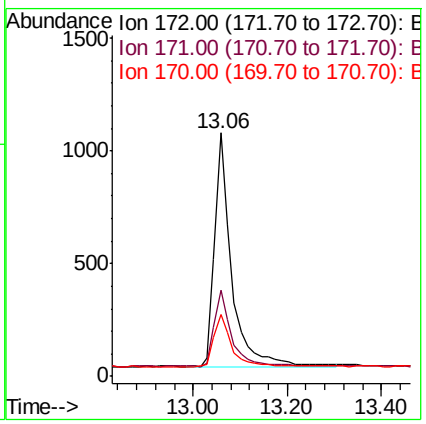


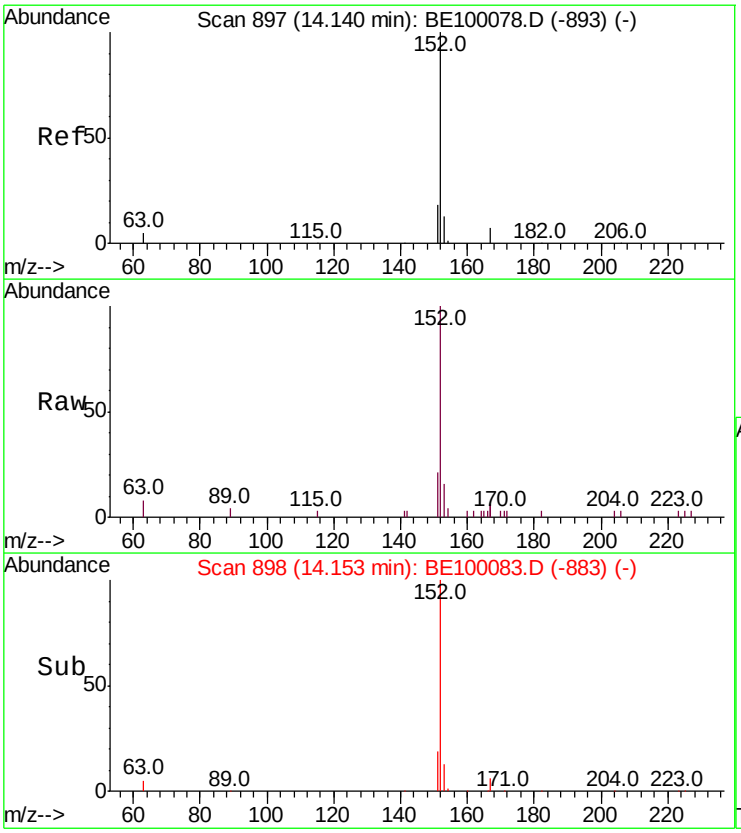
#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.06 min Scan# 822
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:172 Resp: 2605

Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.8	44.8
170	25.6	23.2	34.8

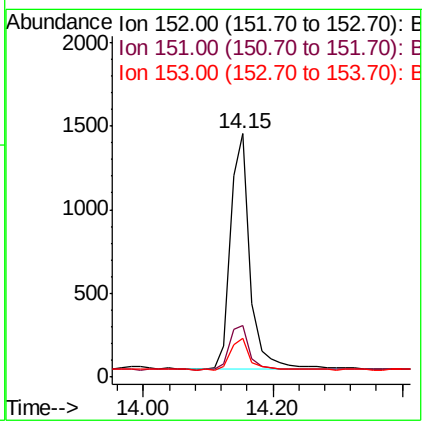


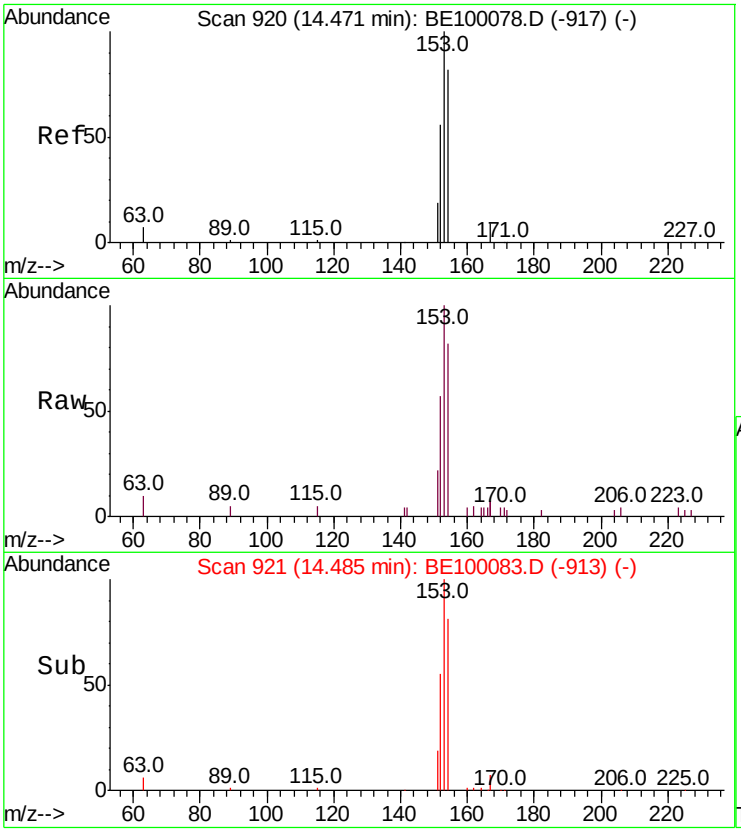


#16
Acenaphthylene
Concen: 0.395 ng
RT: 14.15 min Scan# 898
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:152 Resp: 2924

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.9	23.9
153	13.4	10.1	15.1



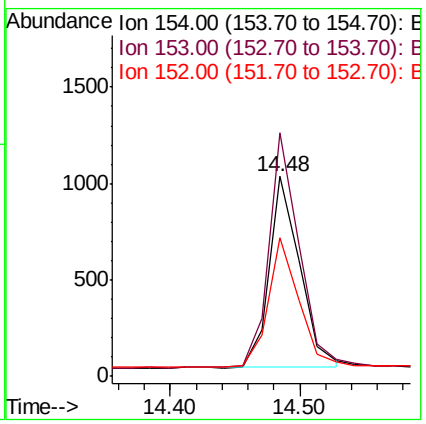


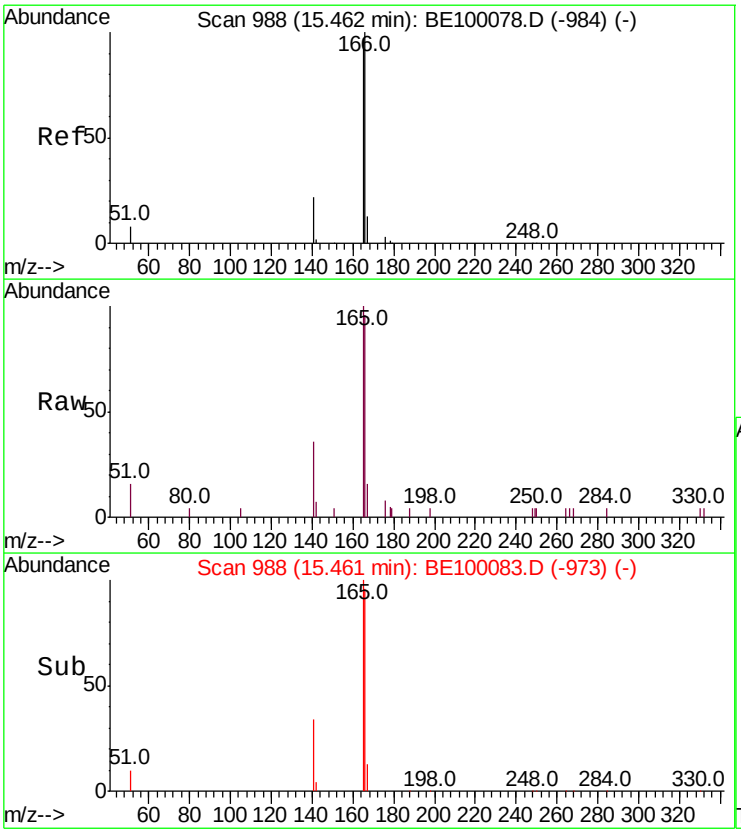
#17
Acenaphthene
Concen: 0.393 ng
RT: 14.48 min Scan# 921
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:154 Resp: 1627

Ion	Ratio	Lower	Upper
154	100		
153	120.7	95.5	143.3
152	68.5	54.9	82.3

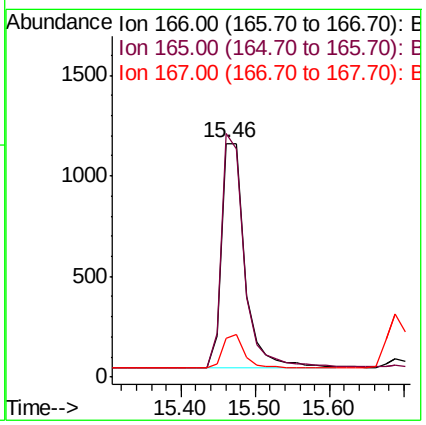


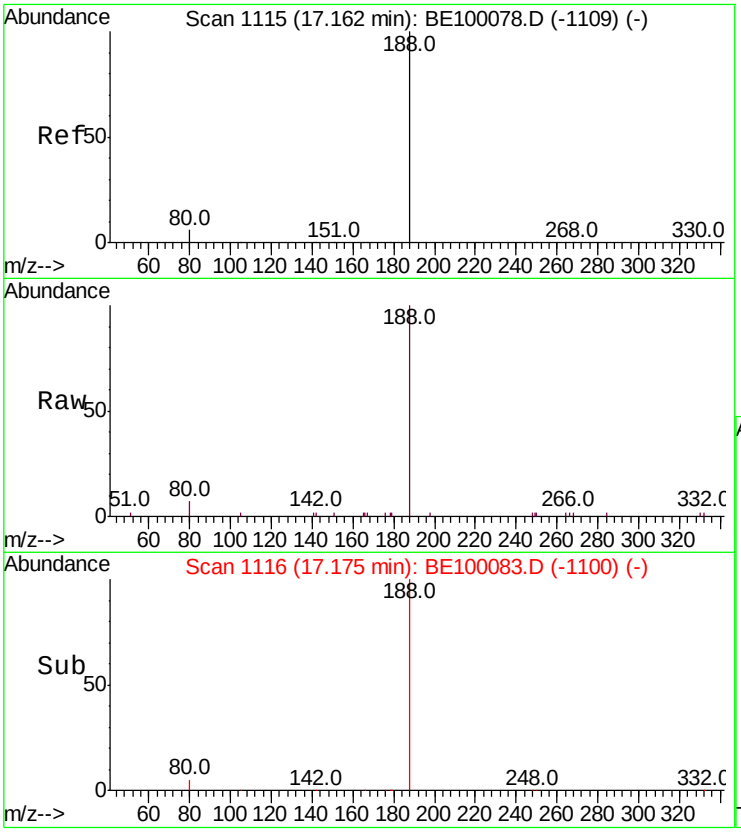


#18
Fluorene
Concen: 0.402 ng
RT: 15.46 min Scan# 988
Delta R.T. -0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:166 Resp: 2475

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.8	119.8
167	14.1	10.2	15.4



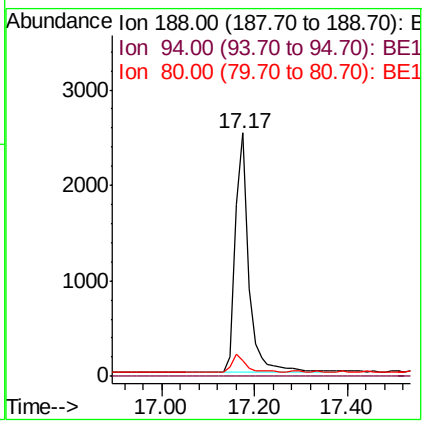


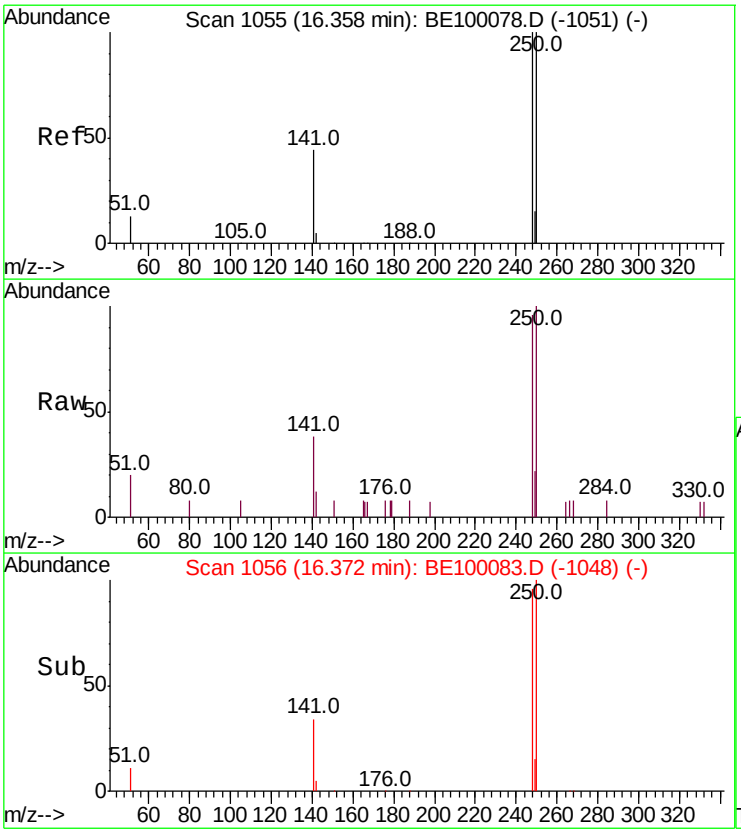
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.17 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:188 Resp: 4937

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.7	6.3	9.5

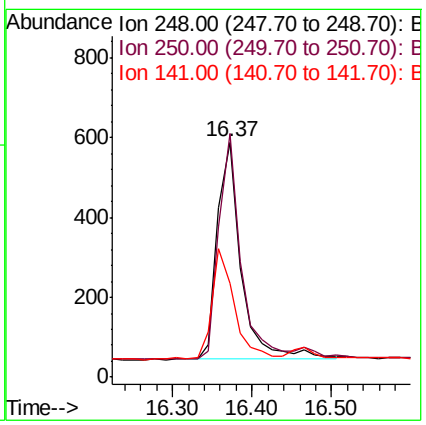


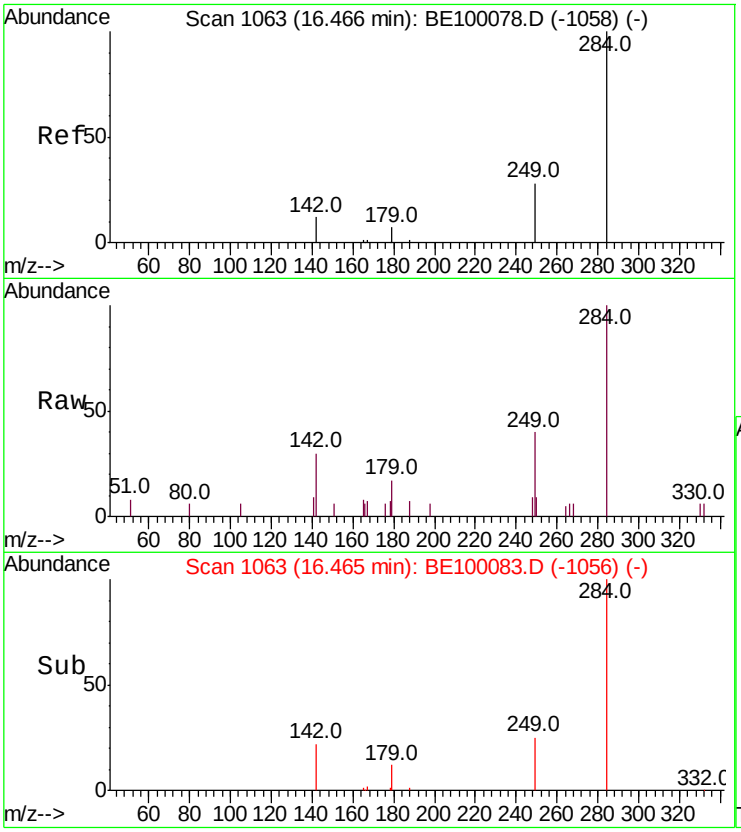


#20
4-Bromophenyl-phenylether
Concen: 0.389 ng
RT: 16.37 min Scan# 1056
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:248 Resp: 1141

Ion	Ratio	Lower	Upper
248	100		
250	103.7	80.6	120.8
141	39.8	38.8	58.2



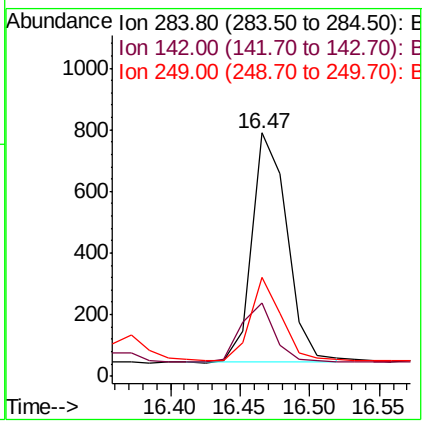


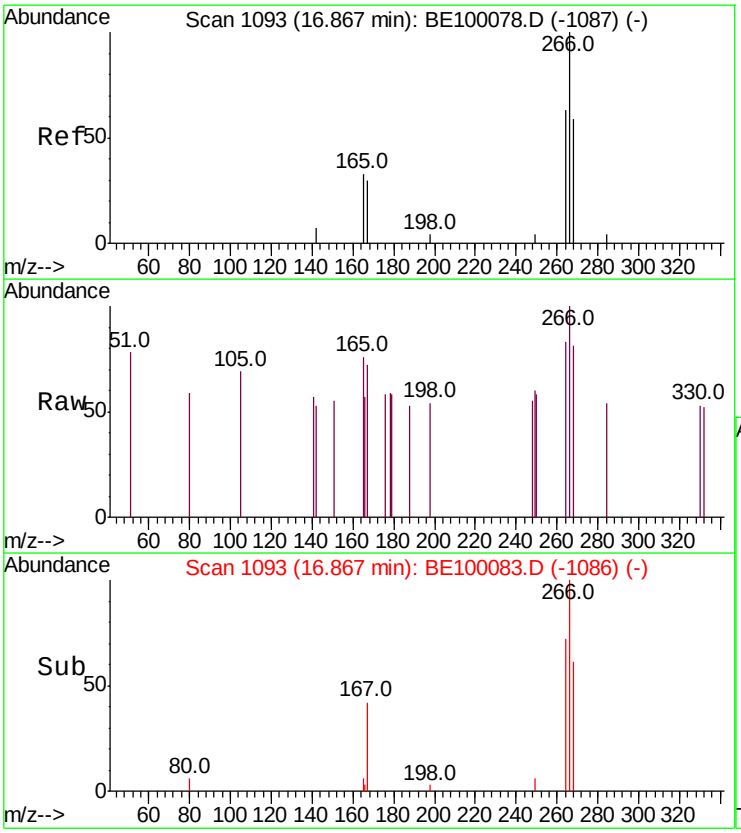
#21
Hexachlorobenzene
Concen: 0.402 ng
RT: 16.47 min Scan# 1063
Delta R.T. -0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:284 Resp: 1303

Ion	Ratio	Lower	Upper
284	100		
142	23.9	20.7	31.1
249	31.8	26.6	39.8

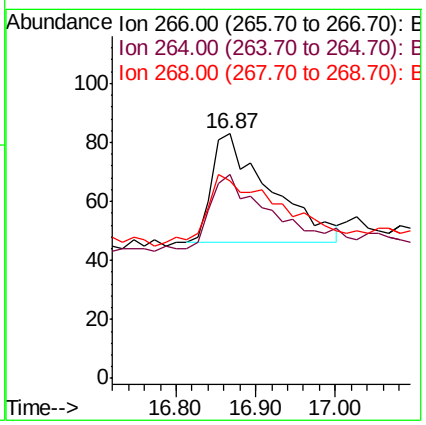


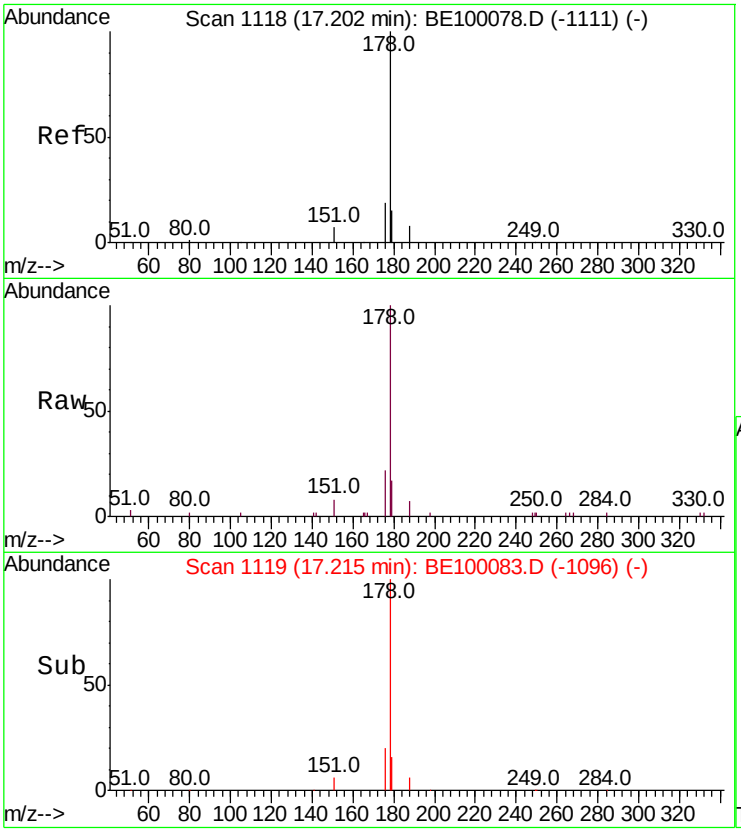


#22
Pentachlorophenol
Concen: 0.423 ng
RT: 16.87 min Scan# 1093
Delta R.T. -0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:266 Resp: 190

Ion	Ratio	Lower	Upper
266	100		
264	83.1	67.8	101.6
268	80.7	70.0	105.0



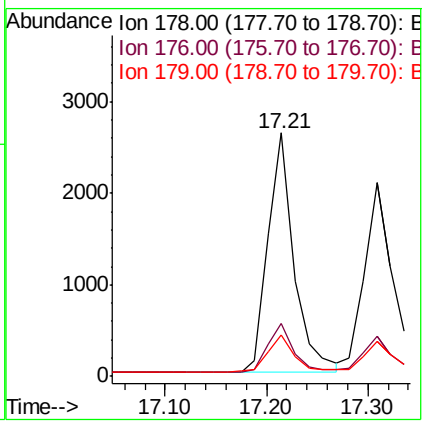


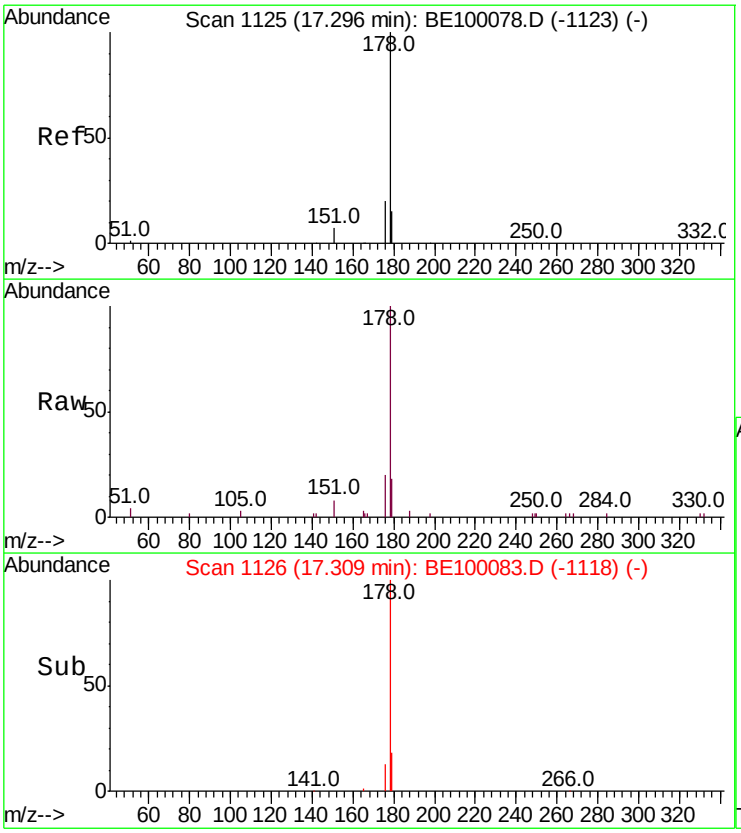
#23
Phenanthrene
Concen: 0.394 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:178 Resp: 4658

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	16.2	13.1	19.7

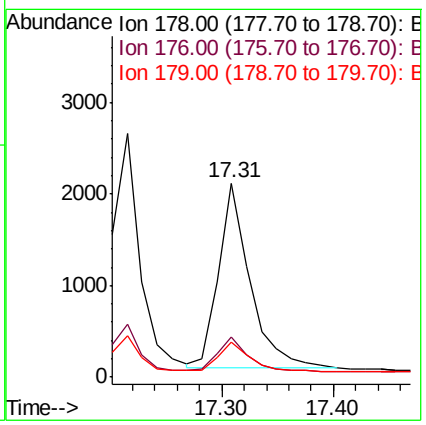


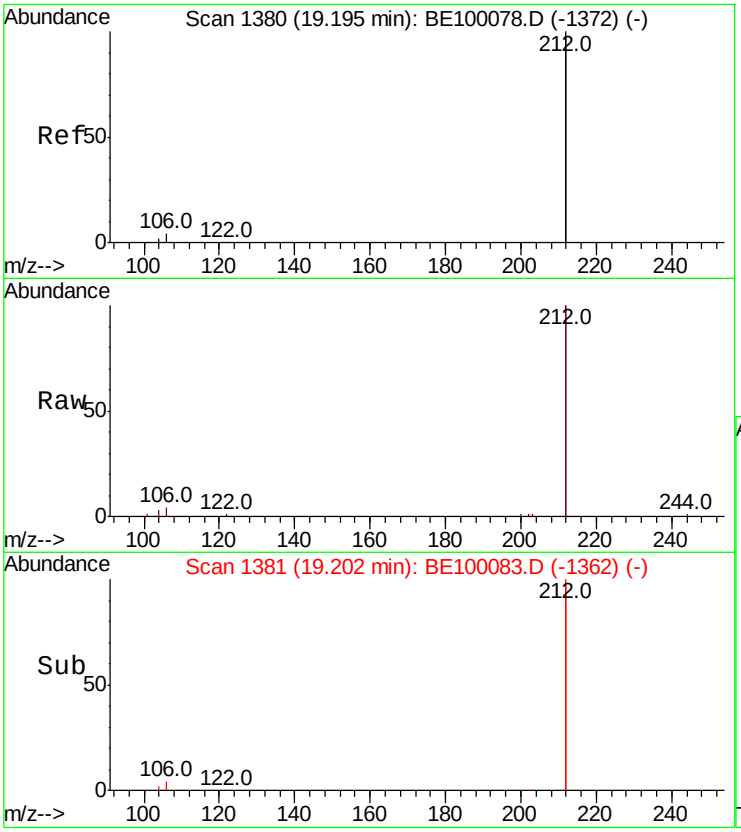


#24
Anthracene
Concen: 0.395 ng
RT: 17.31 min Scan# 1126
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:178 Resp: 3940

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.8	23.6
179	15.5	12.0	18.0



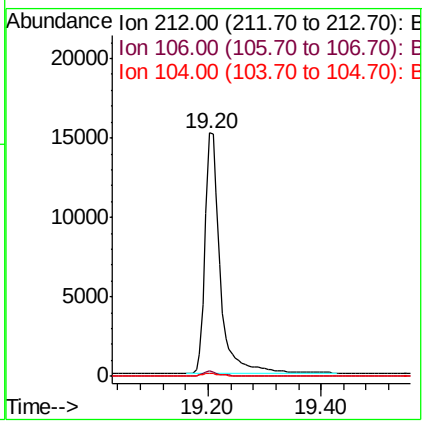


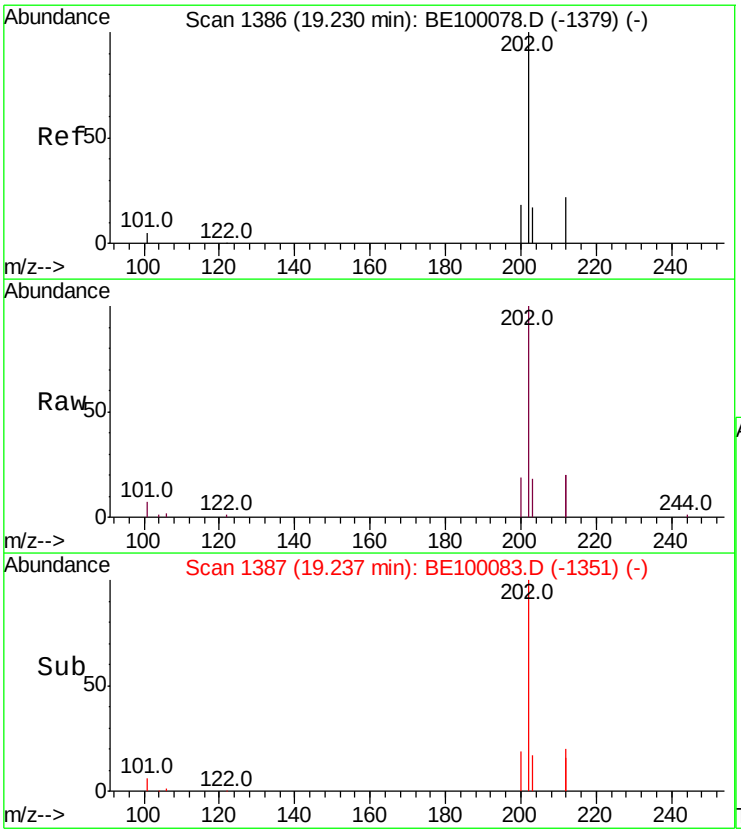
#25
Fluoranthene-d10
Concen: 0.394 ng
RT: 19.20 min Scan# 1381
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:212 Resp: 27790

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.0
104	0.9	0.8	1.2

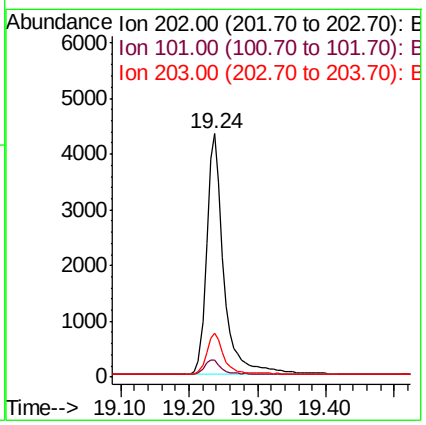


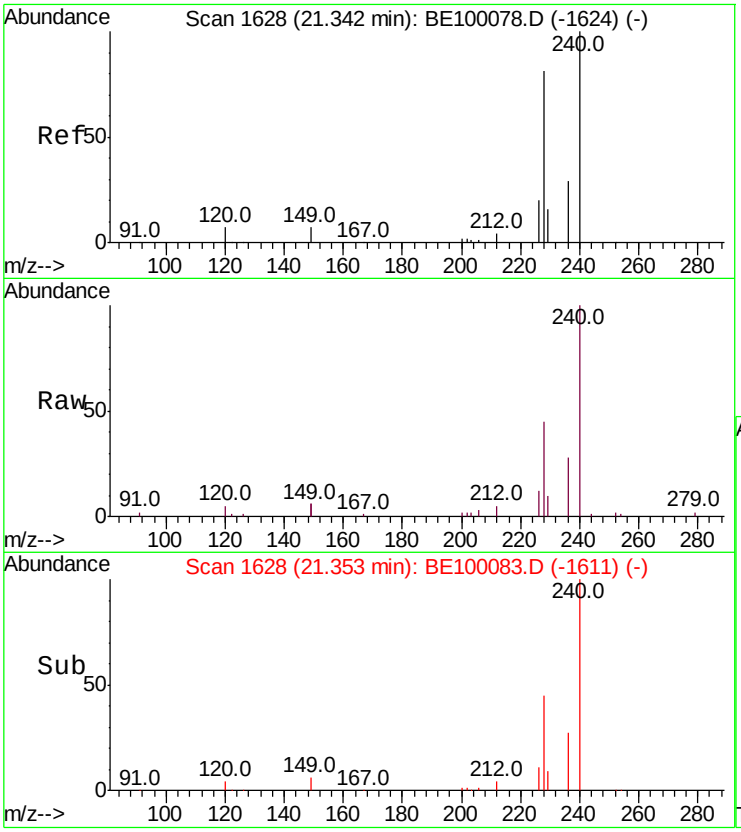


#26
Fluoranthene
Concen: 0.399 ng
RT: 19.24 min Scan# 1387
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:202 Resp: 7569

Ion	Ratio	Lower	Upper
202	100		
101	6.4	5.0	7.4
203	16.9	13.7	20.5



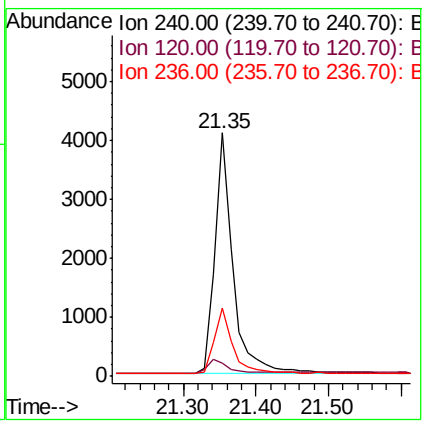


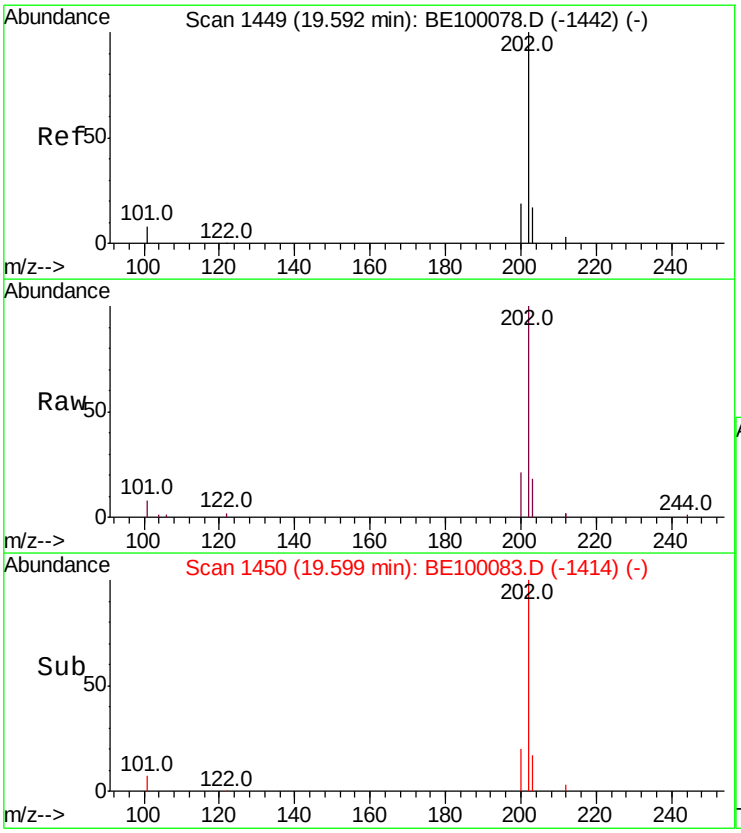
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1628
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:240 Resp: 7123

Ion	Ratio	Lower	Upper
240	100		
120	5.3	6.6	10.0#
236	27.9	23.8	35.6

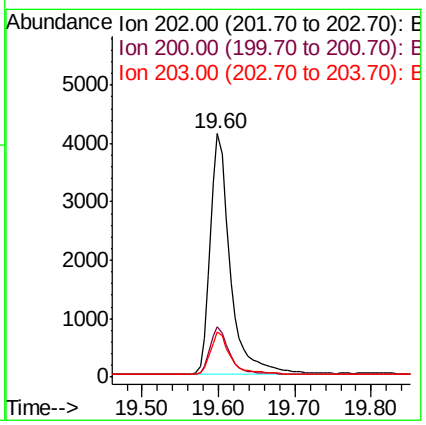


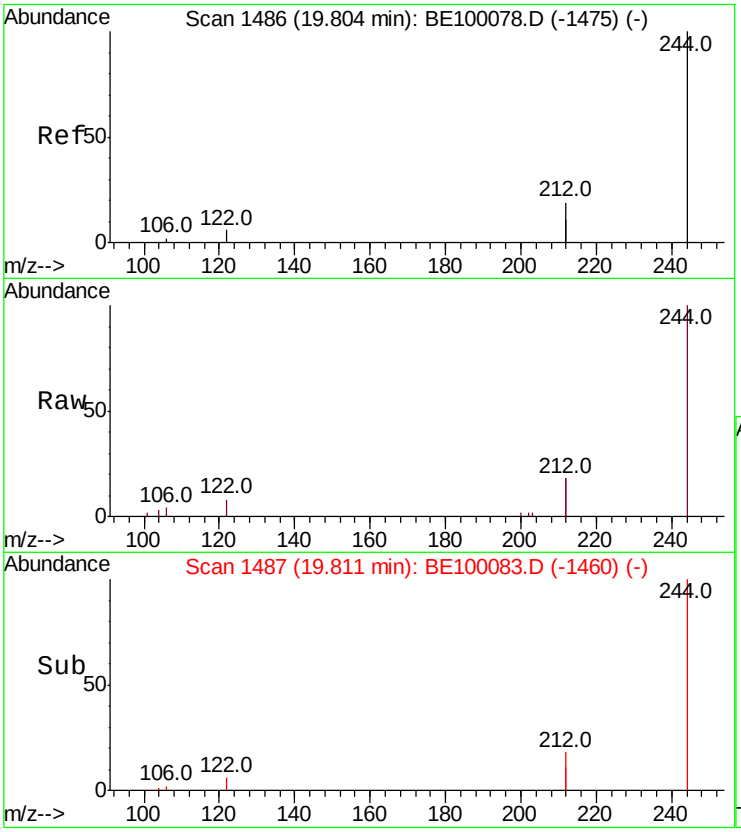


#28
Pyrene
Concen: 0.408 ng
RT: 19.60 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:202 Resp: 7478

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.6	23.4
203	17.3	13.9	20.9



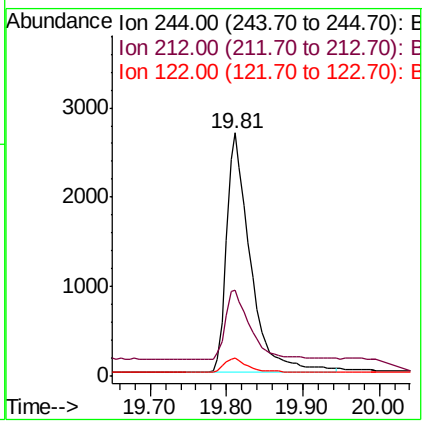


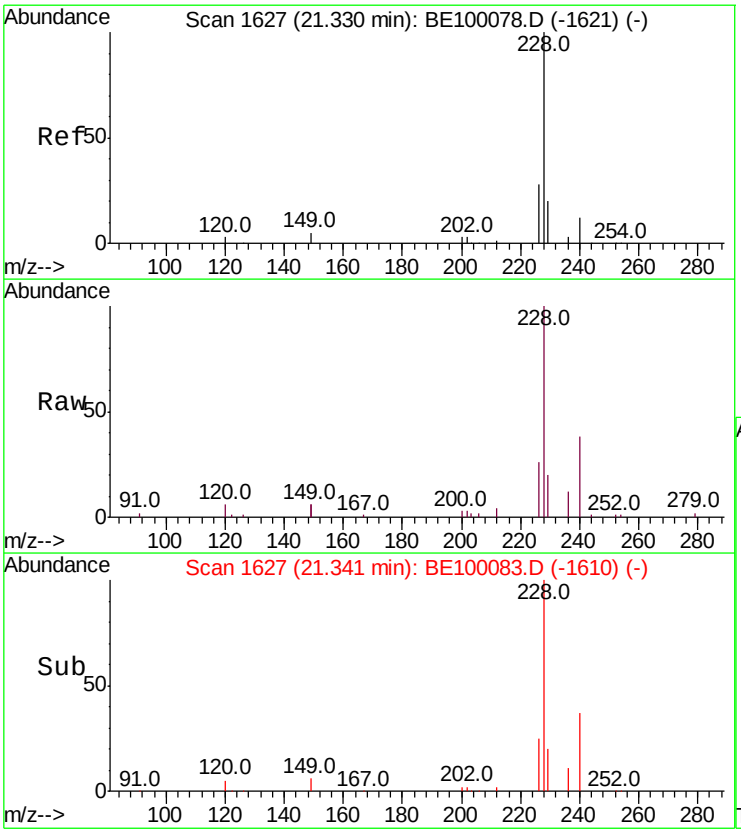
#29
Terphenyl-d14
Concen: 0.410 ng
RT: 19.81 min Scan# 1487
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:244 Resp: 5838

Ion	Ratio	Lower	Upper
244	100		
212	35.1	29.8	44.8
122	7.7	6.1	9.1

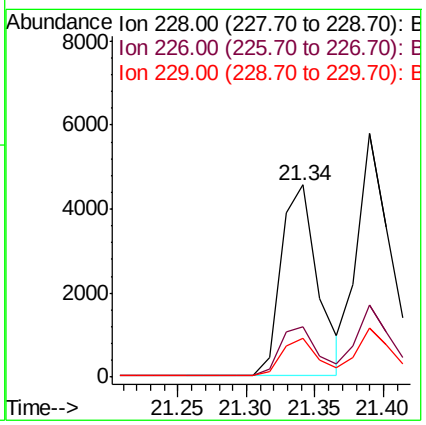


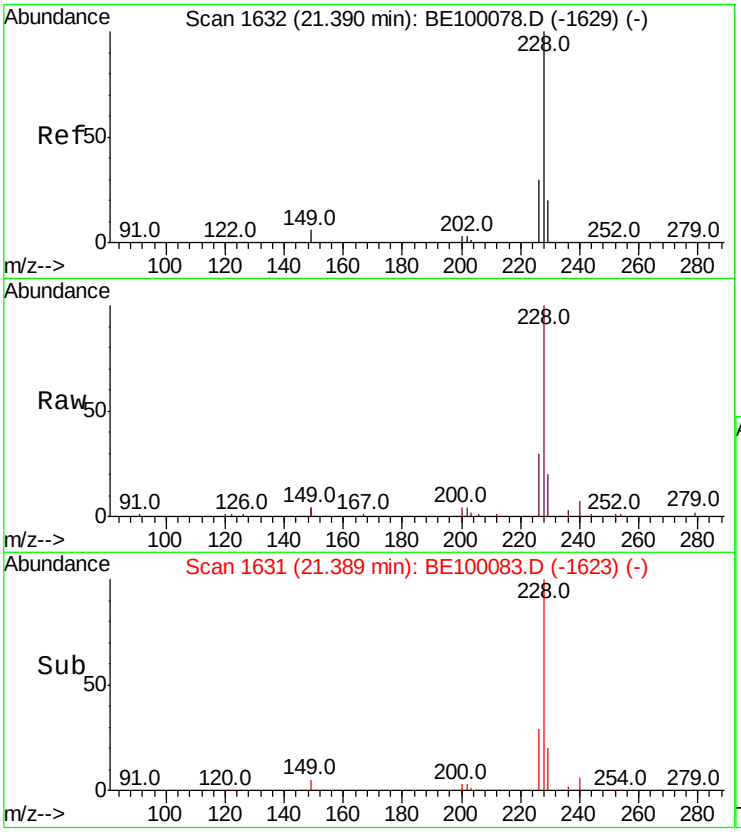


#30
Benzo(a)anthracene
Concen: 0.397 ng
RT: 21.34 min Scan# 1627
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:228 Resp: 8415

Ion	Ratio	Lower	Upper
228	100		
226	26.2	23.0	34.4
229	20.4	16.4	24.6



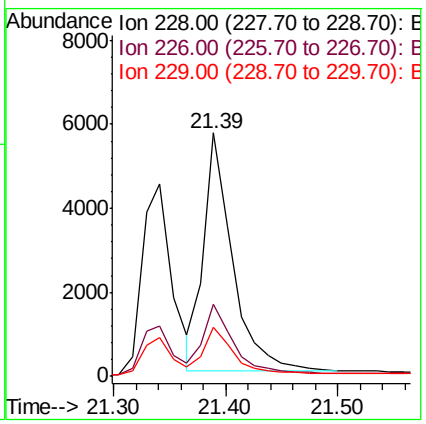


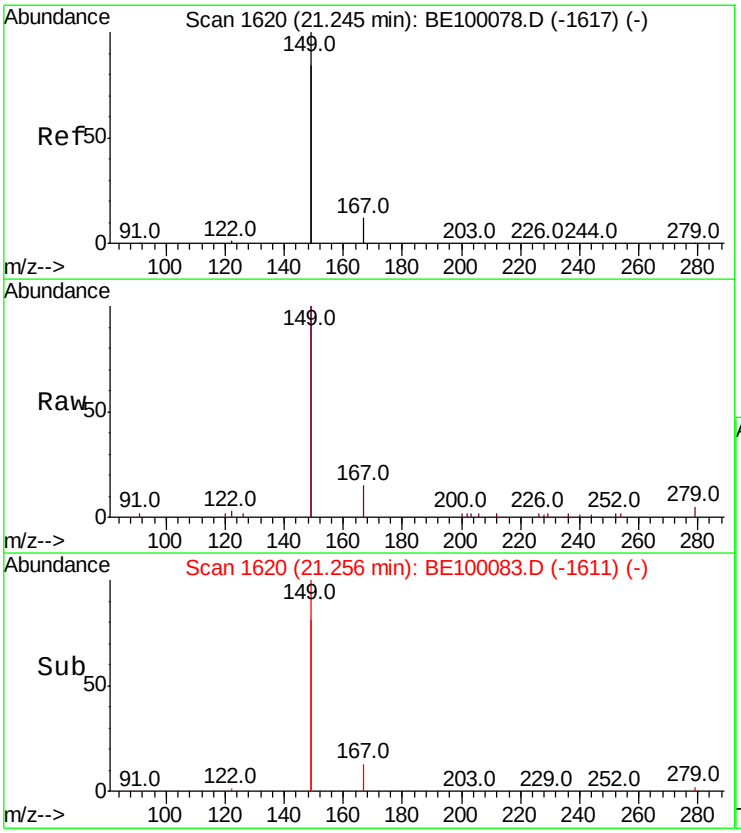
#31
Chrysene
Concen: 0.406 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.00 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:228 Resp: 9991

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.8	35.8
229	20.4	16.3	24.5

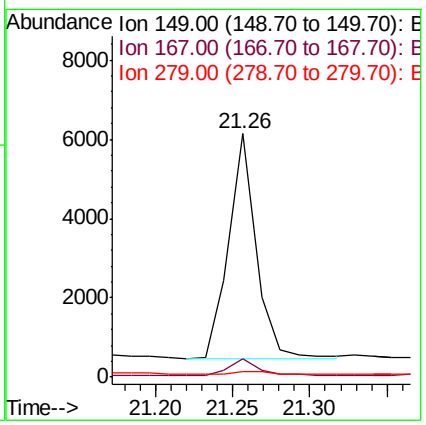


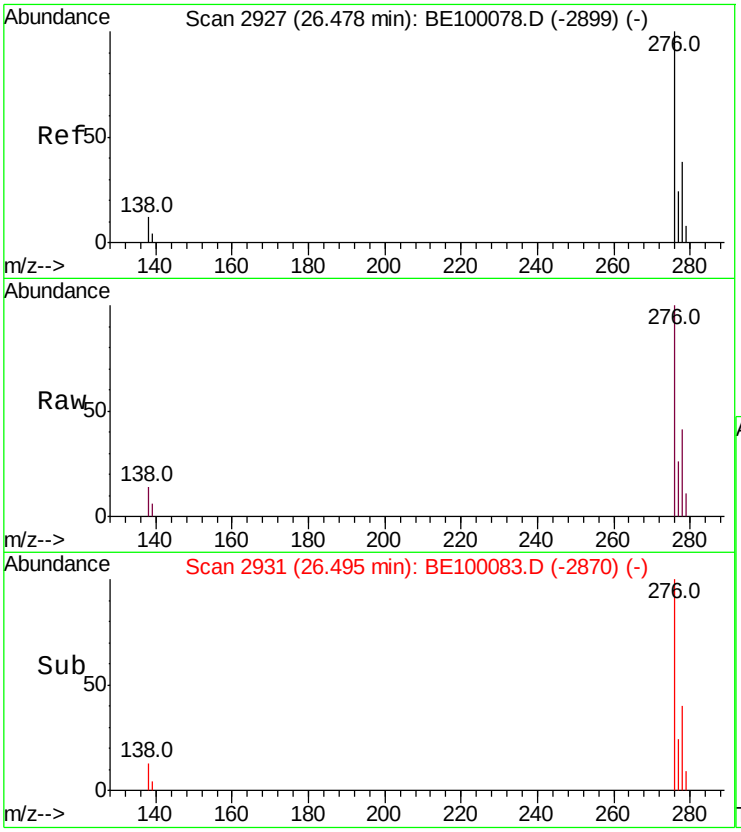


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.352 ng
RT: 21.26 min Scan# 1620
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:149 Resp: 7034

Ion	Ratio	Lower	Upper
149	100		
167	7.4	5.8	8.6
279	1.4	1.1	1.7



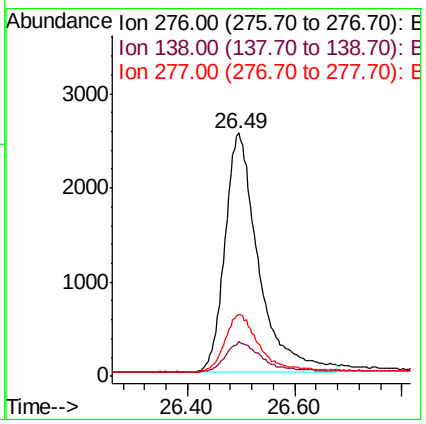


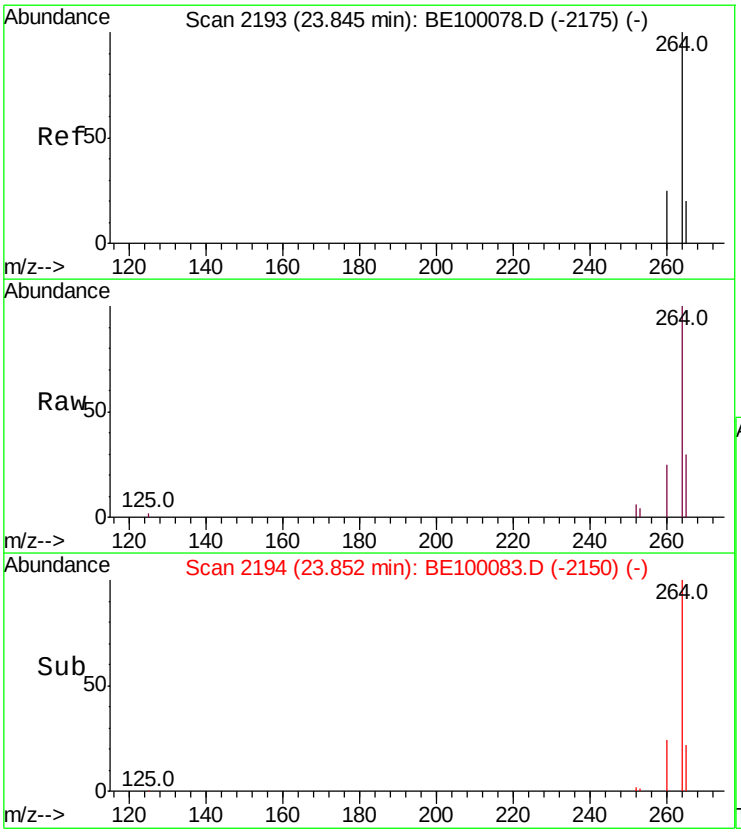
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.398 ng
RT: 26.49 min Scan# 2931
Delta R.T. 0.02 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:276 Resp: 11036

Ion	Ratio	Lower	Upper
276	100		
138	13.5	4.3	6.5#
277	24.4	19.4	29.0

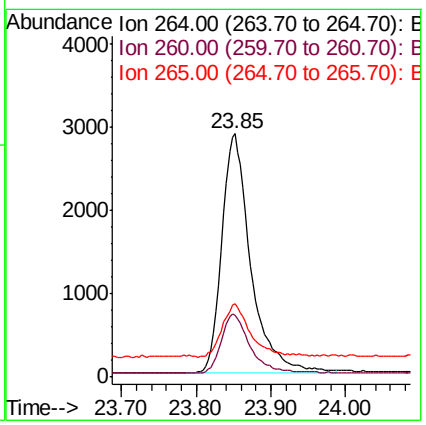


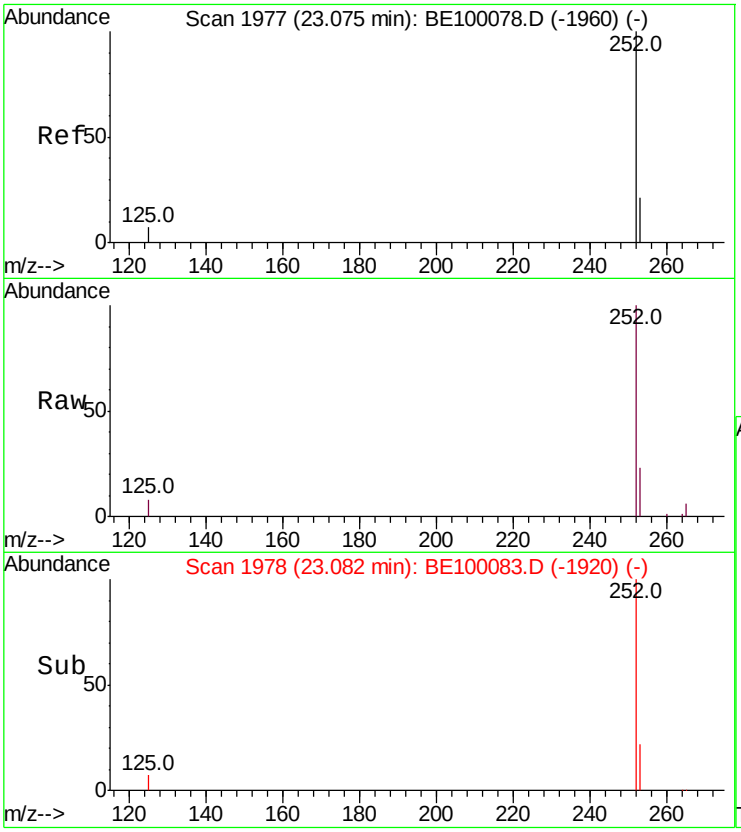


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.85 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:264 Resp: 7729

Ion	Ratio	Lower	Upper
264	100		
260	25.5	20.8	31.2
265	30.0	23.2	34.8



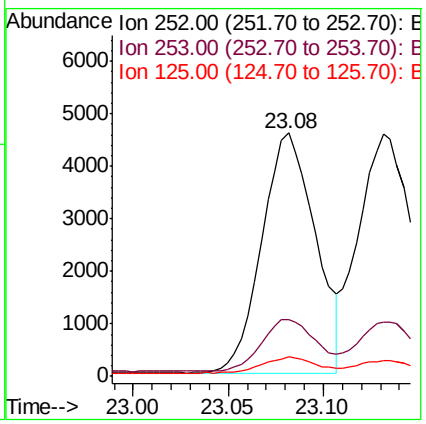


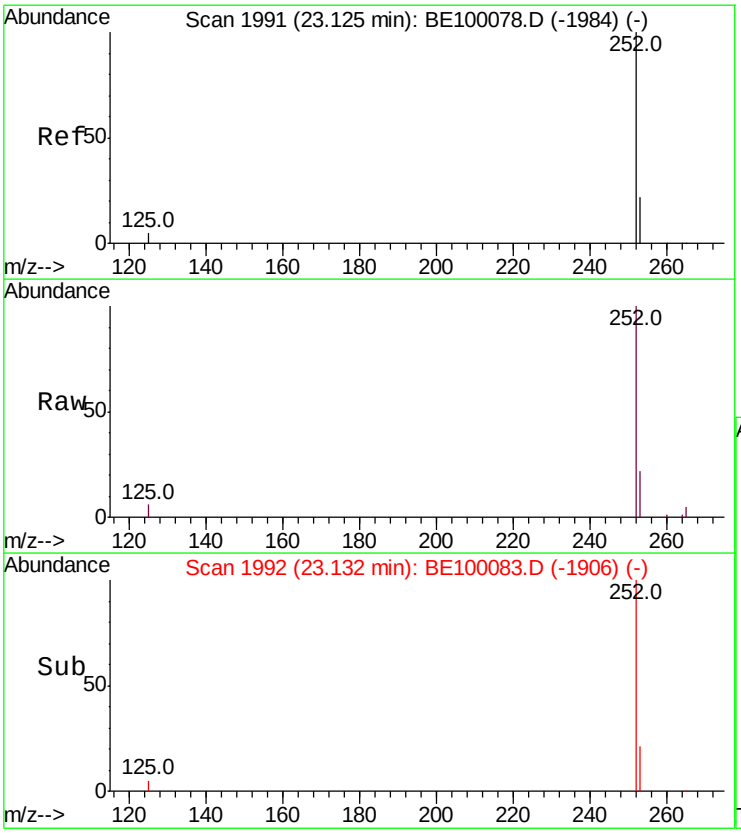
#35
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 23.08 min Scan# 1978
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:252 Resp: 8935

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.4	27.6
125	8.0	6.4	9.6

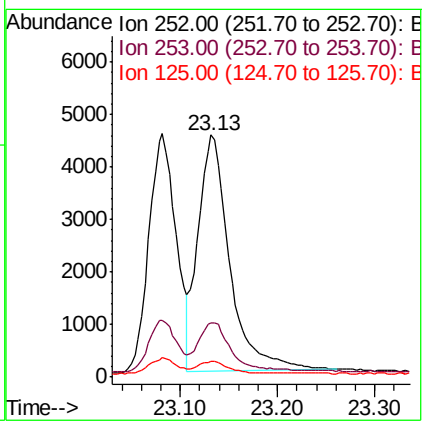


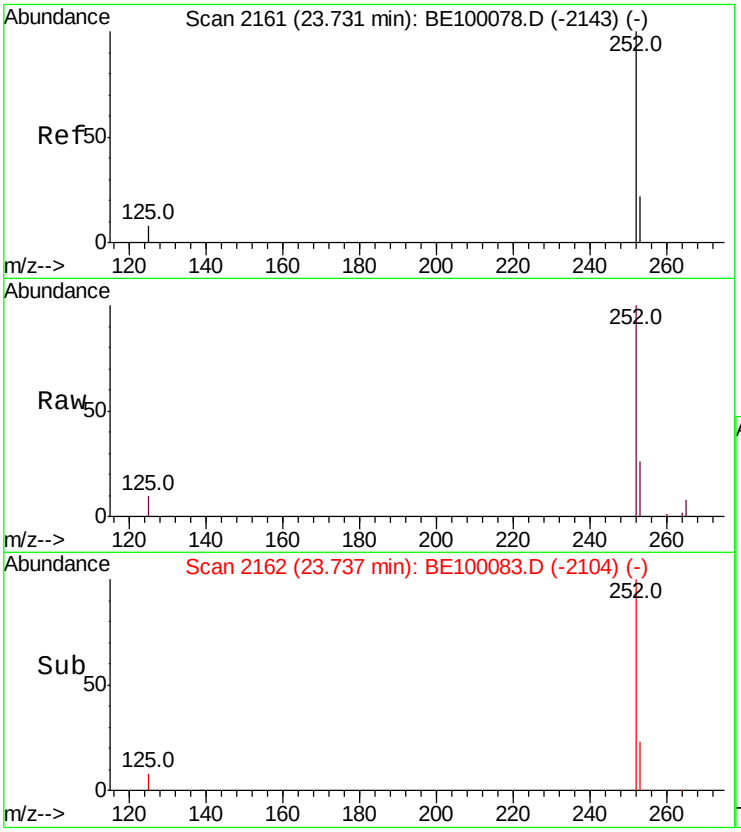


#36
Benzo(k)fluoranthene
Concen: 0.396 ng
RT: 23.13 min Scan# 1992
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:252 Resp: 10228

Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.9	28.3
125	6.5	5.3	7.9



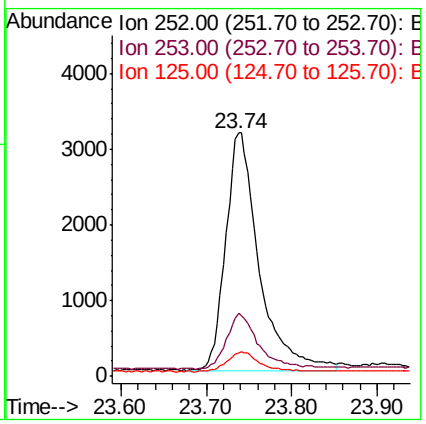


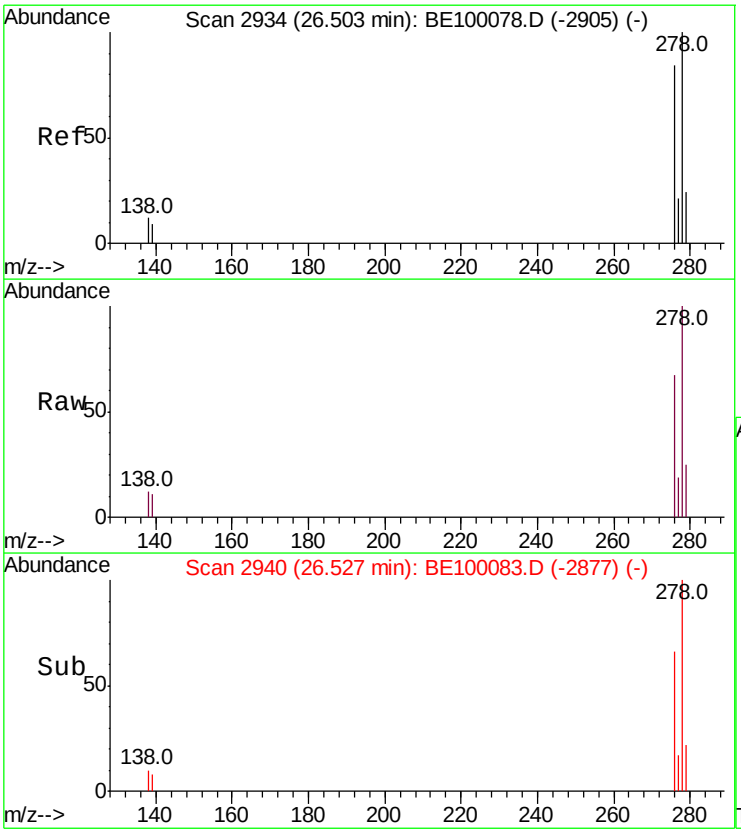
#37
Benzo(a)pyrene
Concen: 0.390 ng
RT: 23.74 min Scan# 2162
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:252 Resp: 8542

Ion	Ratio	Lower	Upper
252	100		
253	25.9	19.4	29.2
125	9.6	8.0	12.0

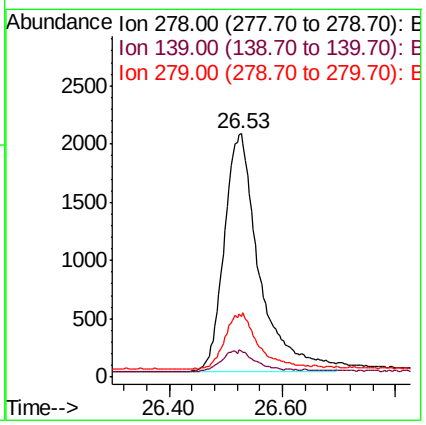


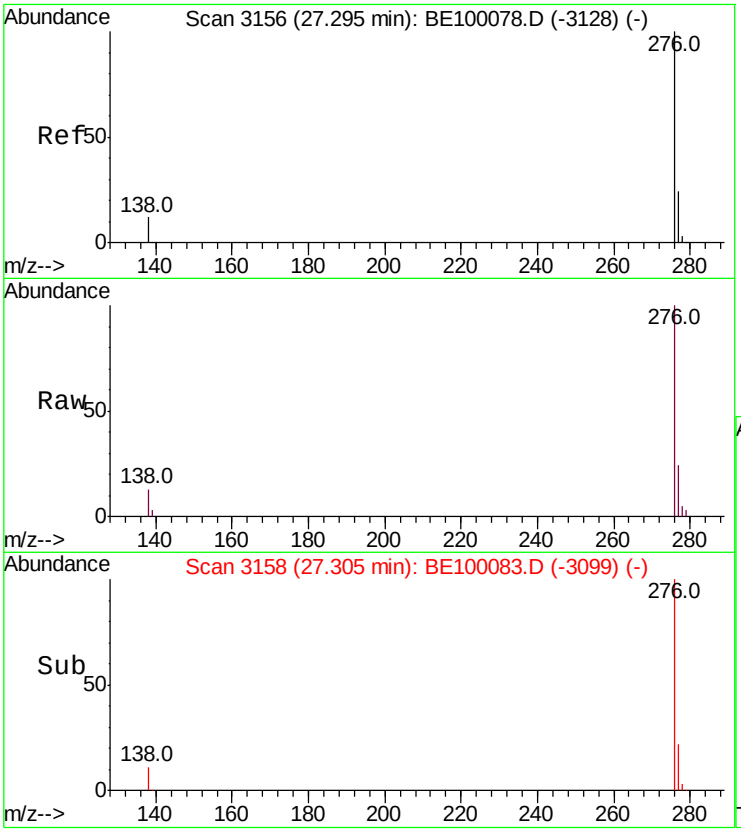


#38
Dibenzo(a,h)anthracene
Concen: 0.393 ng
RT: 26.53 min Scan# 2940
Delta R.T. 0.02 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Tgt Ion:278 Resp: 8818

Ion	Ratio	Lower	Upper
278	100		
139	10.5	9.0	13.6
279	25.1	21.4	32.0





#39
Benzo(g,h,i)perylene
Concen: 0.393 ng
RT: 27.30 min Scan# 3158
Delta R.T. 0.01 min
Lab File: BE100083.D
Acq: 19 Jun 2019 15:01

Instrument :
BNA_E
ClientSampleId :
ICVBE061919

Tgt Ion:276 Resp: 9172

Ion	Ratio	Lower	Upper
276	100		
277	24.4	20.3	30.5
138	13.5	11.3	16.9