Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
Data File : BE100457.D
Acq On : 17 Jul 2019 20:07
Operator : HP/JU
Sample : K3818-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: Jul 18 02:09:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 16 14:03:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.90	152	5572	0.40	ng		0.01
7) Naphthalene-d8	10.68	136	24509	0.40	ng		0.00
13) Acenaphthene-d10	14.51	164	15545	0.40	ng		0.00
19) Phenanthrene-d10	17.24	188	35001	0.40	ng		0.01
27) Chrysene-d12	21.40	240	42891	0.40	ng		0.01
34) Perylene-d12	23.92	264	42078	0.40	ng		0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.47	112	2772	0.26	ng		0.00
5) Phenol-d6	7.05	99	4095	0.26	ng		0.00
8) Nitrobenzene-d5	9.03	82	2862	0.21	ng		0.00
11) 2-Methylnaphthalene-d10	12.27	152	8382	0.23	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	1220	0.35	ng		0.00
15) 2-Fluorobiphenyl	13.14	172	8141	0.12	ng		0.00
25) Fluoranthene-d10	19.26	212	63936	0.15	ng		0.01
29) Terphenyl-d14	19.86	244	14223	0.14	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.38	88	1186	0.052	ng	#	48
3) n-Nitrosodimethylamine	3.70	42	1090	0.226	ng	#	55
6) bis(2-Chloroethyl)ether	7.31	93	3767	0.238	ng		77
9) Naphthalene	10.73	128	363400	1.522	ng		100
10) Hexachlorobutadiene	11.03	225	1818	0.157	ng		98
12) 2-Methylnaphthalene	12.34	142	39636	0.993	ng		97
16) Acenaphthylene	14.24	152	203186	3.232	ng		99
17) Acenaphthene	14.59	154	122662	2.839	ng		95
18) Fluorene	15.54	166	210412	3.777	ng		97
20) 4-Bromophenyl-phenylether	16.44	248	2866	0.157	ng	#	83
21) Hexachlorobenzene	16.56	284	2779	0.130	ng	#	90
22) Pentachlorophenol	16.89	266	3807	0.934	ng		95
23) Phenanthrene	17.28	178	3037639	32.572	ng		98
24) Anthracene	17.38	178	846747	11.001	ng		97
26) Fluoranthene	19.30	202	4921239	41.520	ng		97
28) Pyrene	19.66	202	4508421	35.932	ng	#	90
30) Benzo(a)anthracene	21.39	228	2746695	23.595	ng		93
31) Chrysene	21.44	228	2143428	15.505	ng		95
32) Bis(2-ethylhexyl)phthalate	21.33	149	646505	7.743	ng	#	98
33) Indeno(1,2,3-cd)pyrene	26.59	276	1260660	10.257	ng		95
35) Benzo(b)fluoranthene	23.16	252	2900929	22.564	ng		97
36) Benzo(k)fluoranthene	23.16	252	2900929	21.323	ng		97
37) Benzo(a)pyrene	23.81	252	2204462	20.853	ng		97
38) Dibenzo(a,h)anthracene	26.61	278	325118	2.885	ng	#	86
39) Benzo(g,h,i)perylene	27.41	276	1212230	10.284	ng		98

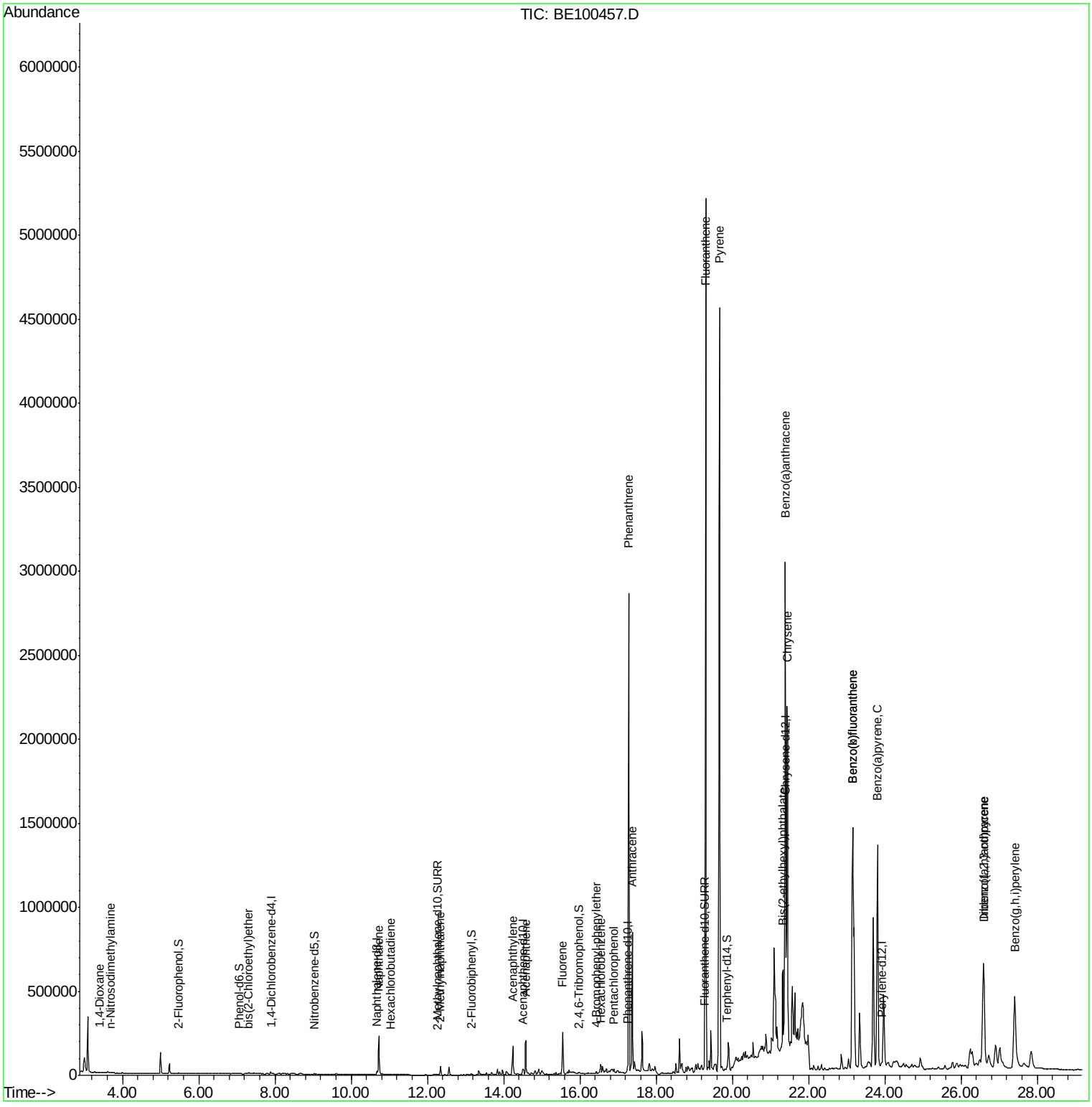
(#) = qualifier out of range (m) = manual integration (+) = signals summed

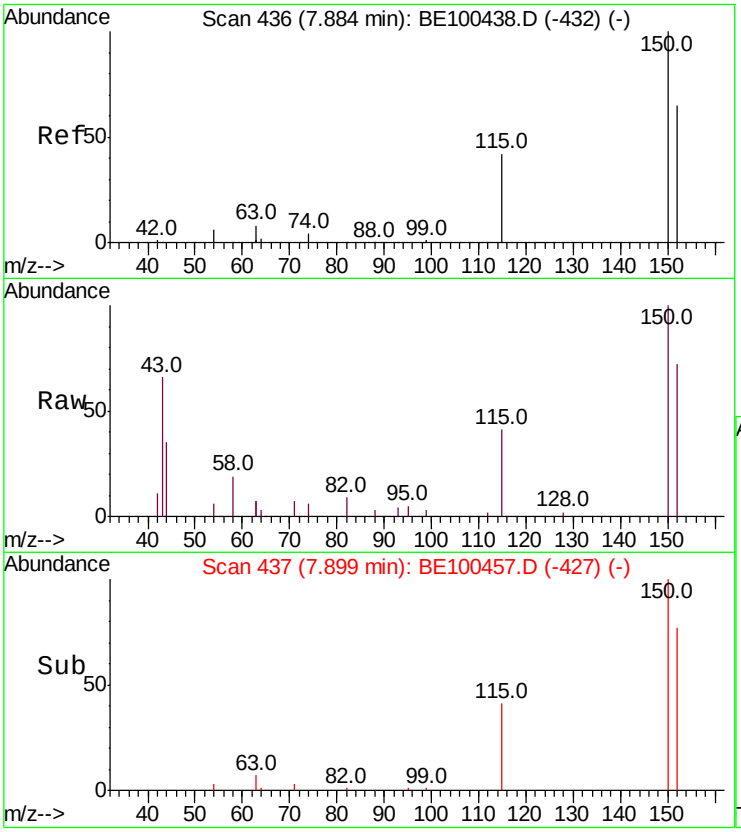
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE071719\
Data File : BE100457.D
Acq On : 17 Jul 2019 20:07
Operator : HP/JU
Sample : K3818-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: Jul 18 02:09:36 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE071619.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jul 16 14:03:26 2019
Response via : Initial Calibration



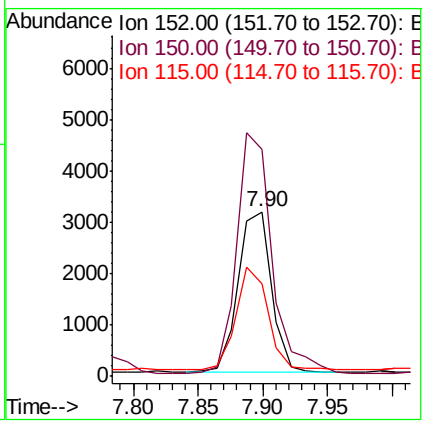


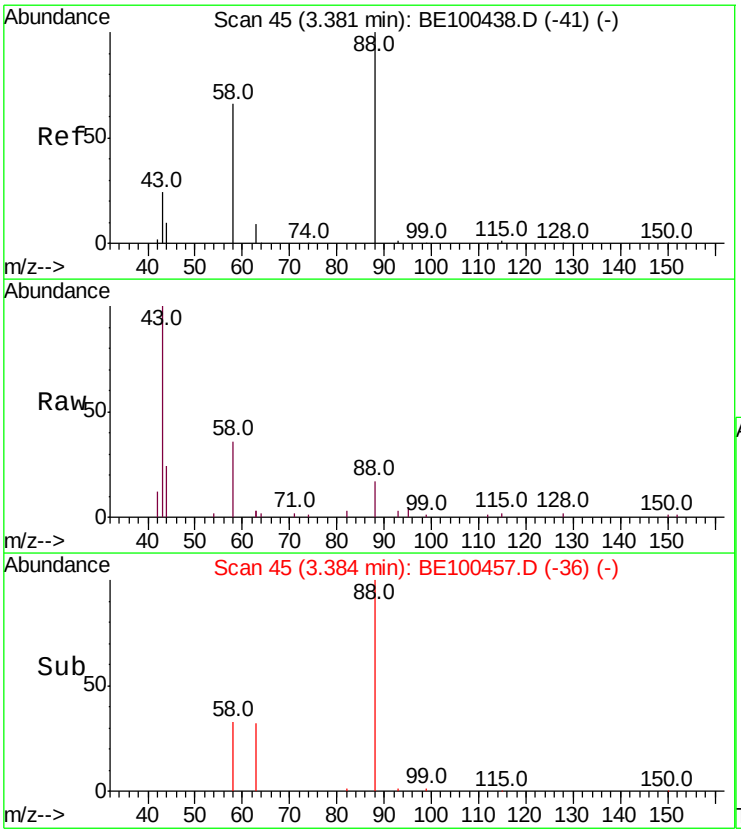
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.90 min Scan# 437
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 5572

Ion	Ratio	Lower	Upper
152	100		
150	138.0	121.7	182.5
115	56.1	52.4	78.6

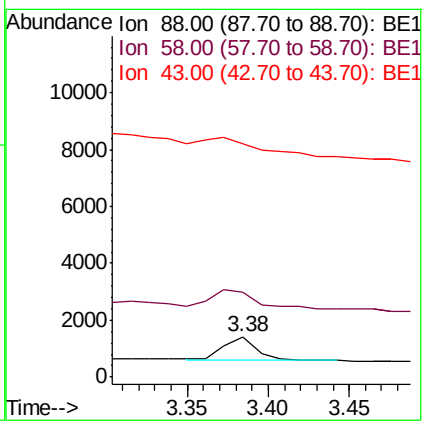


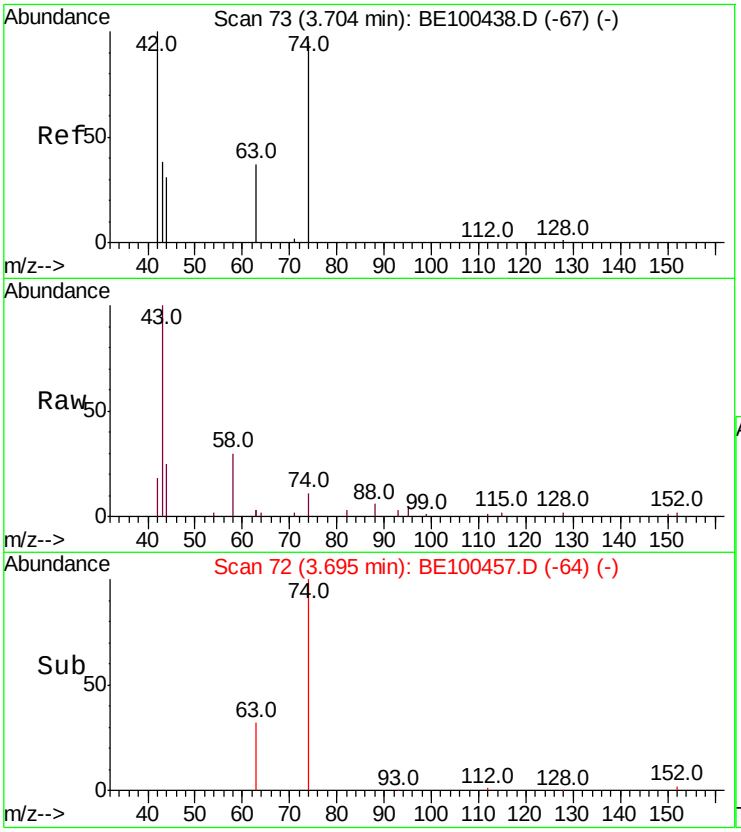


#2
1,4-Dioxane
Concen: 0.052 ng
RT: 3.38 min Scan# 45
Delta R.T. 0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion: 88 Resp: 1186

Ion	Ratio	Lower	Upper
88	100		
58	113.5	57.8	86.8#
43	0.0	25.0	37.6#

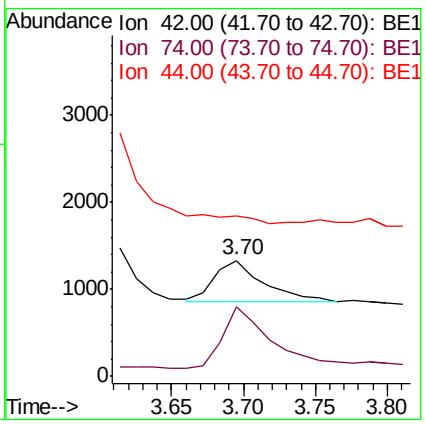




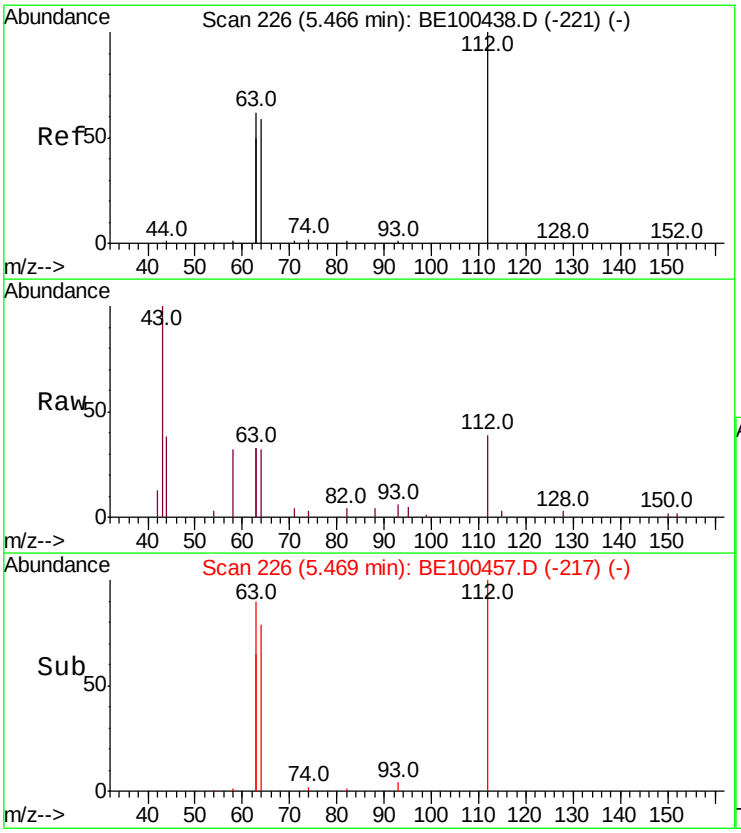
#3
n-Nitrosodimethylamine
Concen: 0.226 ng
RT: 3.70 min Scan# 72
Delta R.T. -0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion: 42 Resp: 1090

Ion	Ratio	Lower	Upper
42	100		
74	151.9	85.3	127.9#
44	0.0	21.8	32.8#



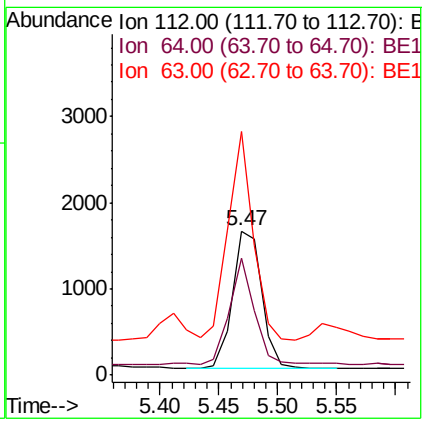
Instrument :
BNA_E
ClientSampleId :

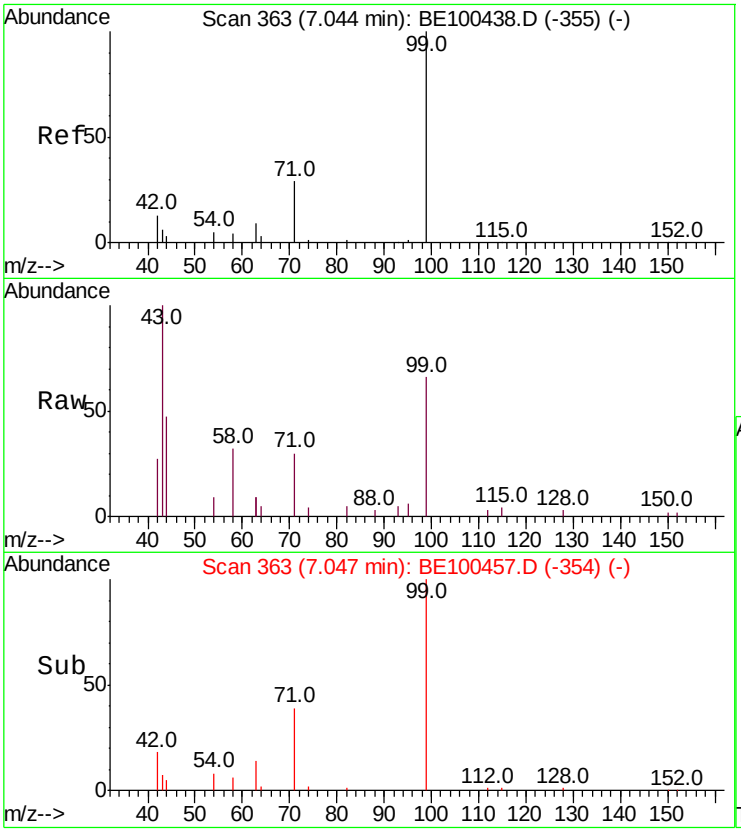


#4
2-Fluorophenol
Concen: 0.261 ng
RT: 5.47 min Scan# 226
Delta R.T. 0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:112 Resp: 2772

Ion	Ratio	Lower	Upper
112	100		
64	66.8	55.0	82.4
63	129.4	114.8	172.2



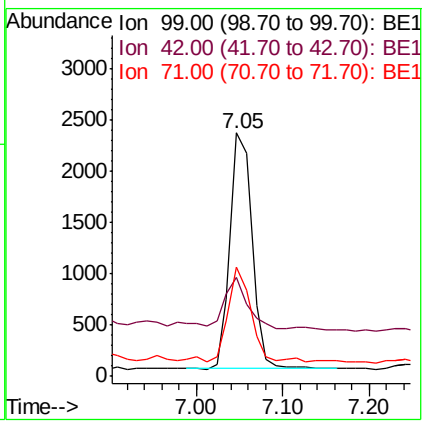


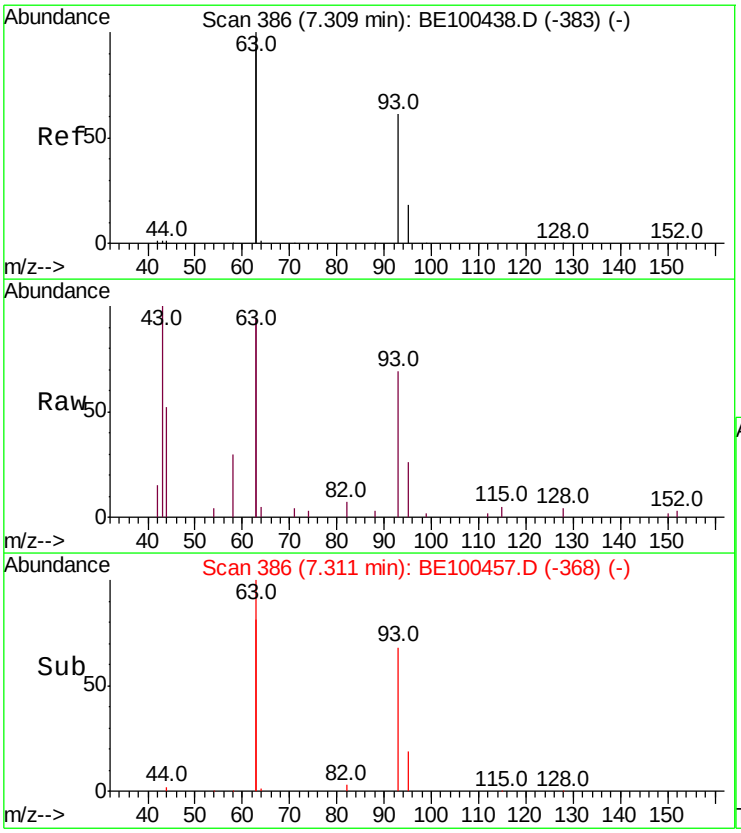
#5
Phenol-d6
Concen: 0.261 ng
RT: 7.05 min Scan# 363
Delta R.T. 0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 4095

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.4	26.2
71	40.0	28.2	42.4

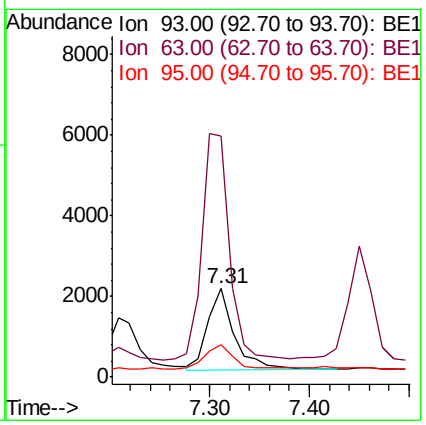


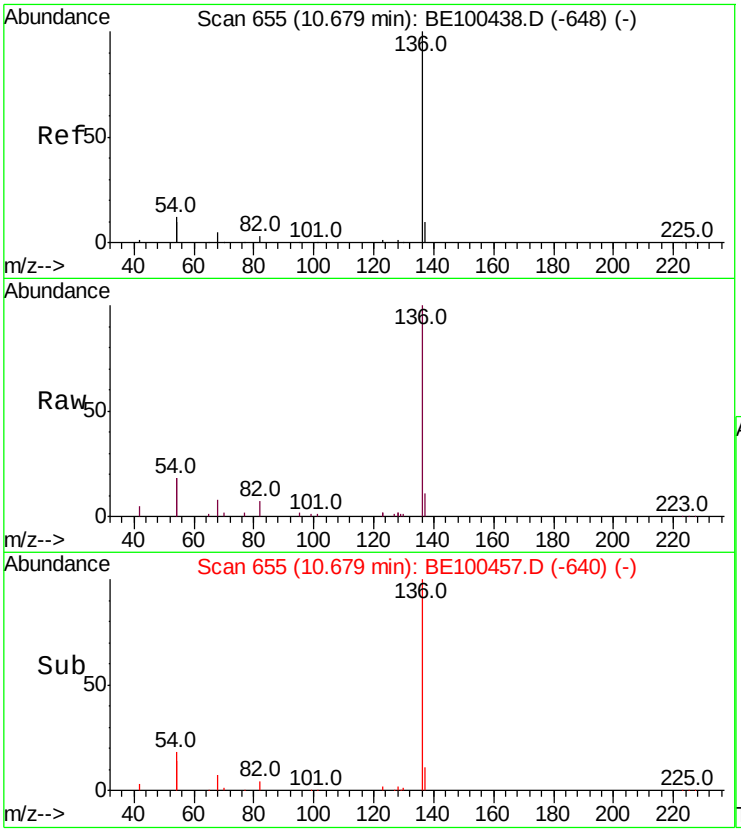


#6
bis(2-Chloroethyl)ether
Concen: 0.238 ng
RT: 7.31 min Scan# 386
Delta R.T. 0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion: 93 Resp: 3767

Ion	Ratio	Lower	Upper
93	100		
63	281.9	266.9	400.3
95	31.7	26.8	40.2



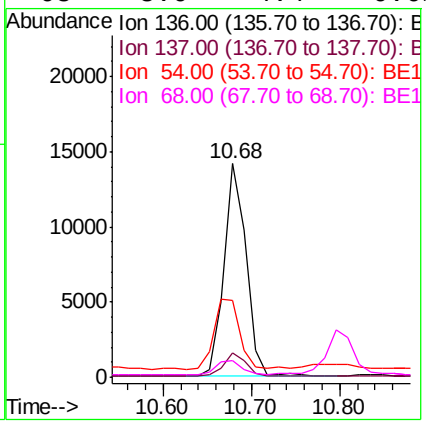


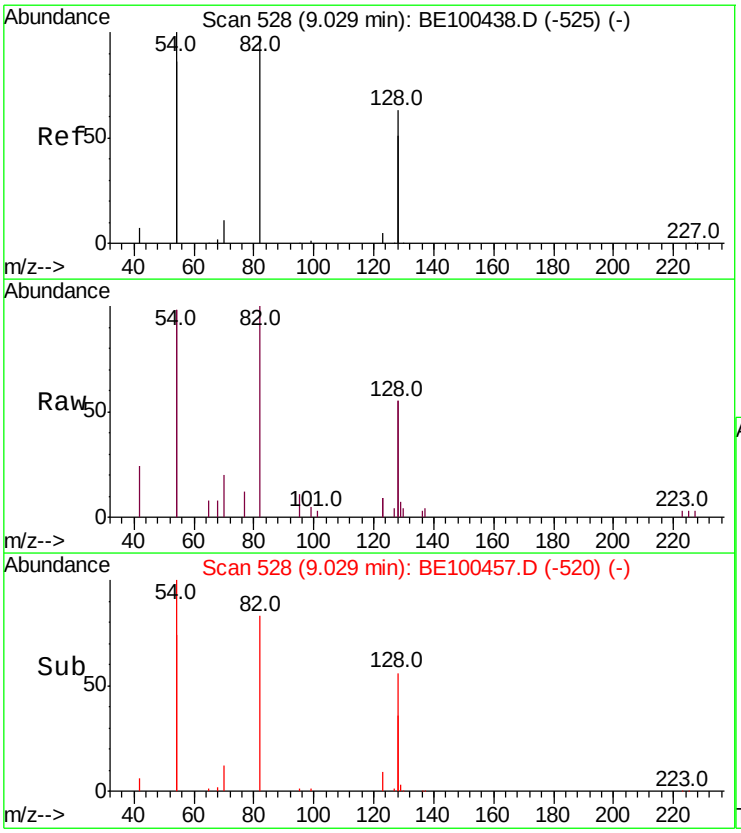
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 24509

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.7	13.1
54	36.3	19.6	29.4#
68	8.0	4.4	6.6#

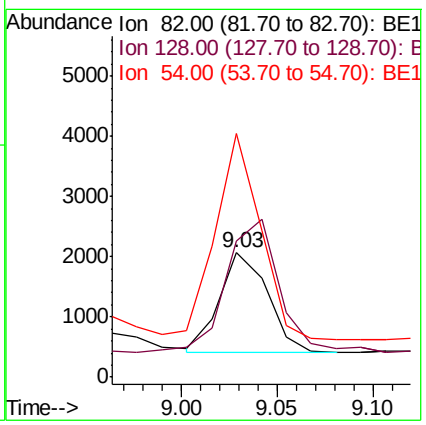


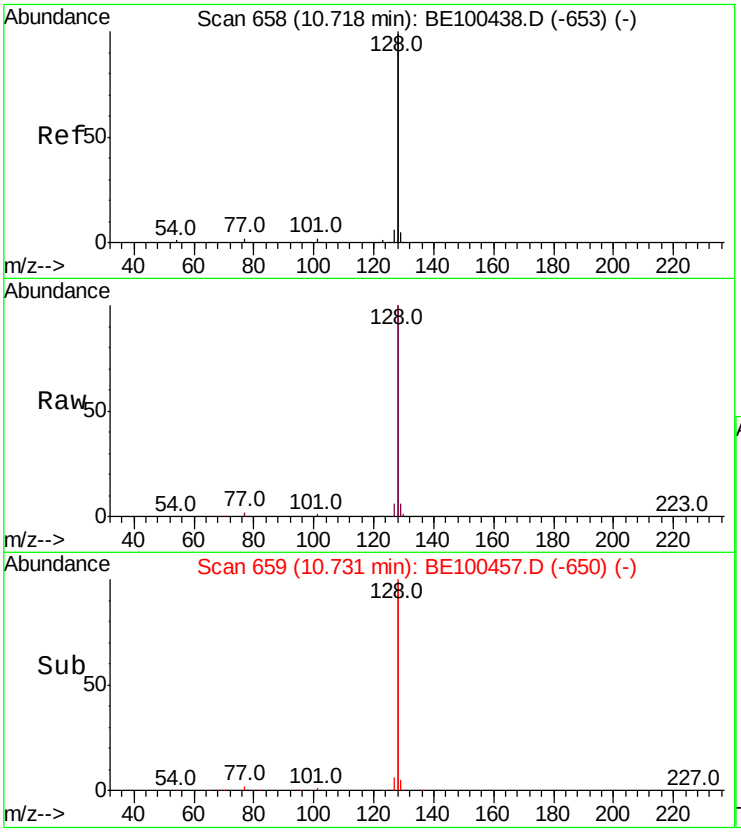


#8
Nitrobenzene-d5
Concen: 0.212 ng
RT: 9.03 min Scan# 528
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion: 82 Resp: 2862

Ion	Ratio	Lower	Upper
82	100		
128	110.0	97.9	146.9
54	196.0	155.0	232.6



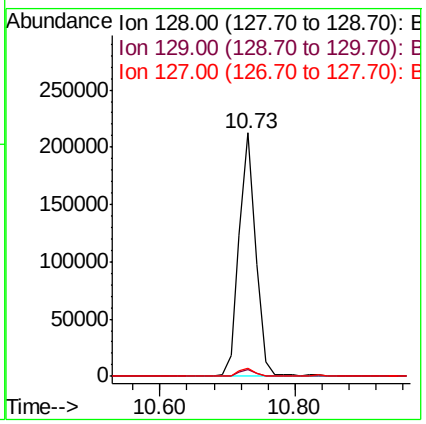


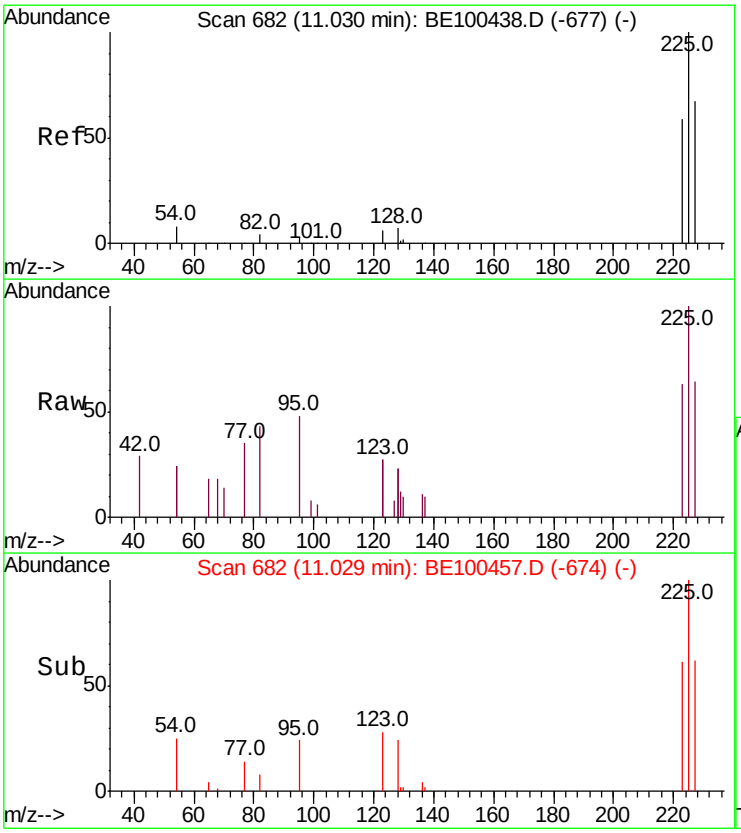
#9
Naphthalene
Concen: 1.522 ng
RT: 10.73 min Scan# 659
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 363400

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.2	3.4
127	3.2	2.7	4.1

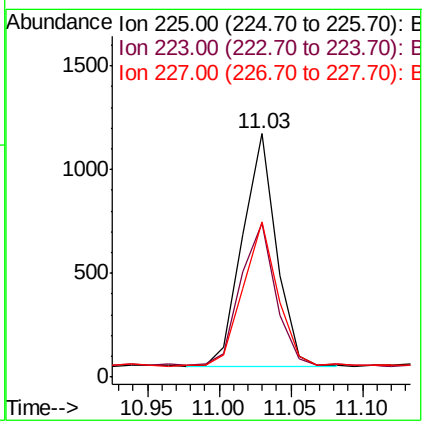


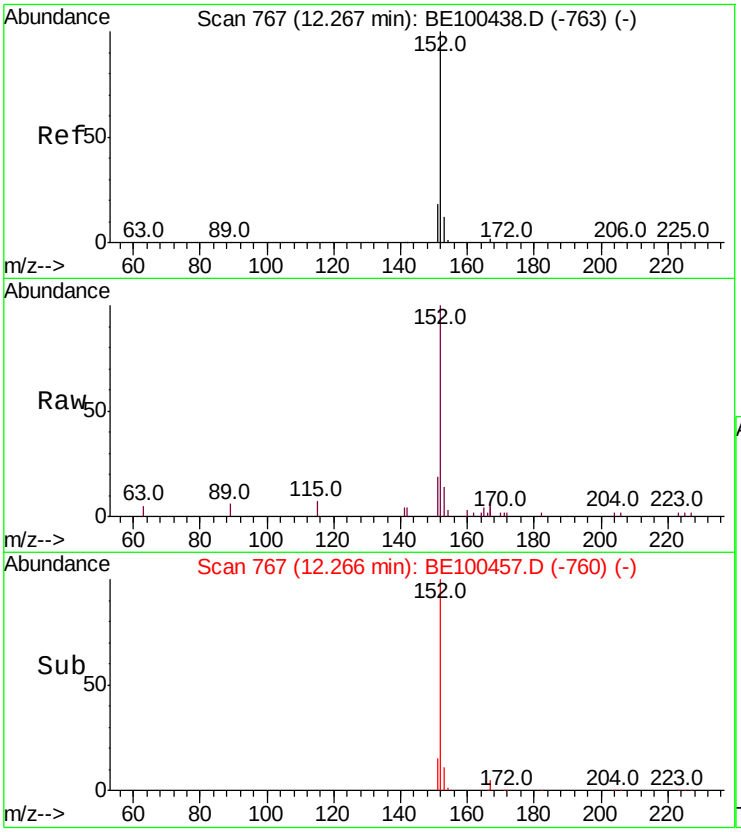


#10
Hexachlorobutadiene
Concen: 0.157 ng
RT: 11.03 min Scan# 682
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:225 Resp: 1818

Ion	Ratio	Lower	Upper
225	100		
223	63.3	49.8	74.8
227	63.7	52.3	78.5



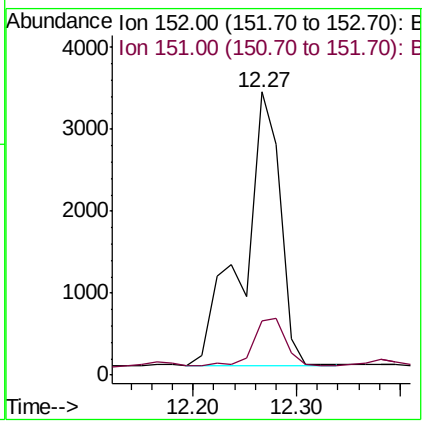


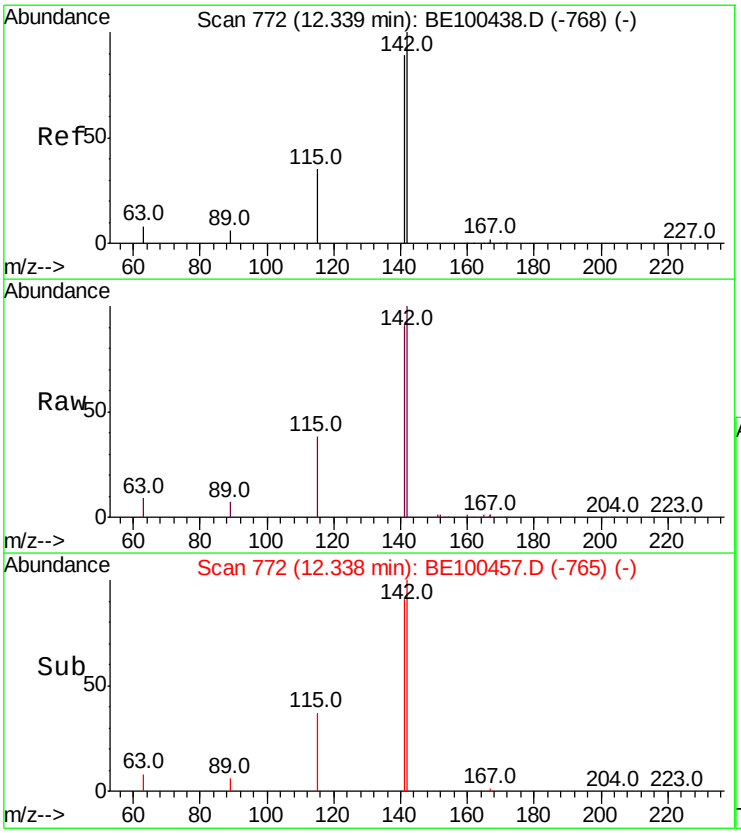
#11
2-Methylnaphthalene-d10
Concen: 0.226 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 8382

Ion	Ratio	Lower	Upper
152	100		
151	15.1	16.0	24.0#

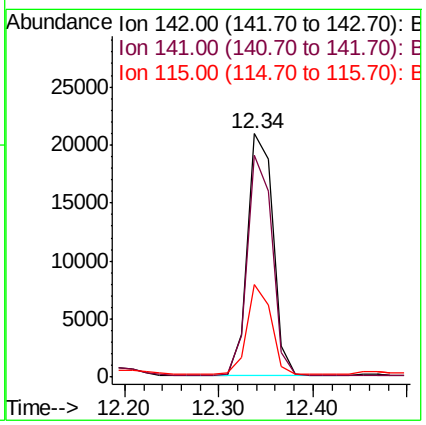


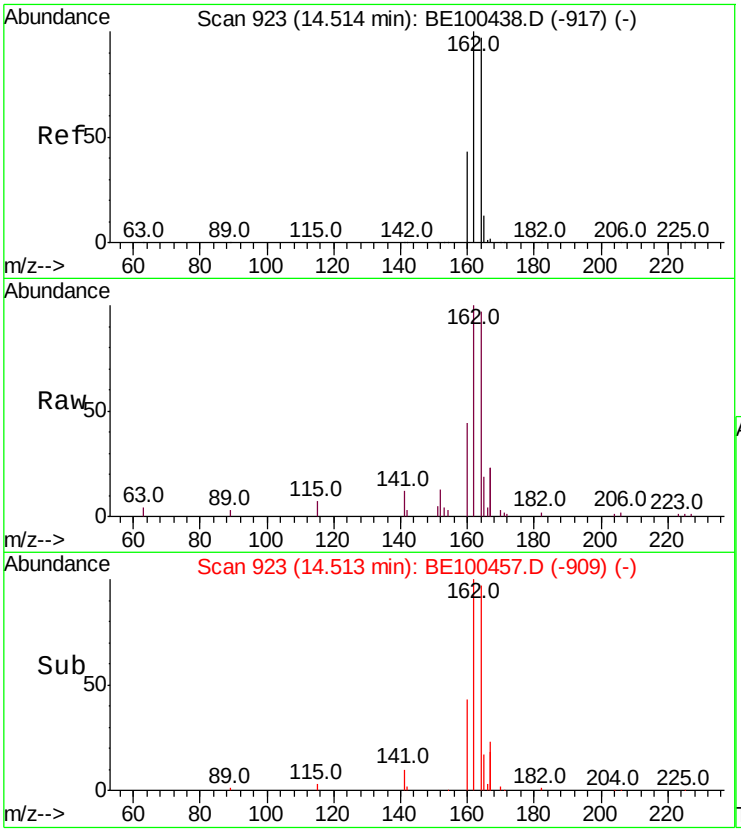


#12
2-Methylnaphthalene
Concen: 0.993 ng
RT: 12.34 min Scan# 772
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:142 Resp: 39636

Ion	Ratio	Lower	Upper
142	100		
141	91.3	70.9	106.3
115	37.9	29.0	43.4



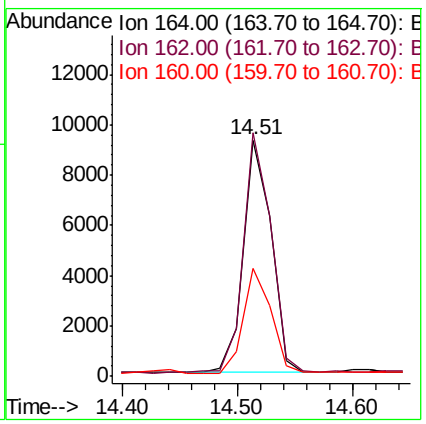


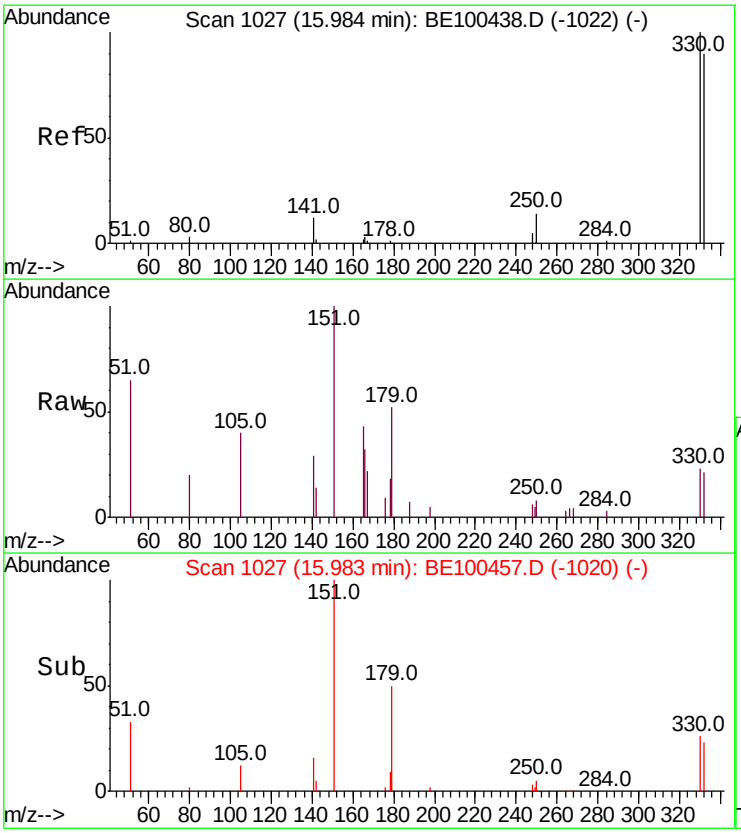
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 15545

Ion	Ratio	Lower	Upper
164	100		
162	103.2	82.6	124.0
160	45.6	35.6	53.4

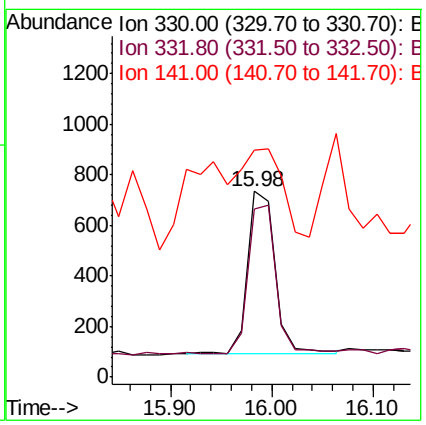


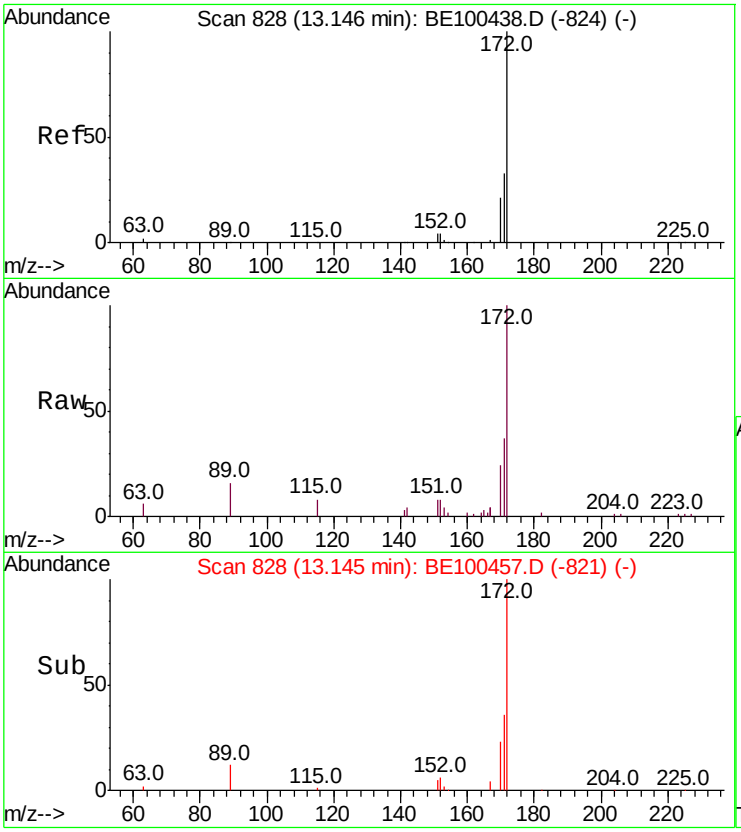


#14
2,4,6-Tribromophenol
Concen: 0.347 ng
RT: 15.98 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:330 Resp: 1220

Ion	Ratio	Lower	Upper
330	100		
332	90.3	76.3	114.5
141	81.8	28.1	42.1#



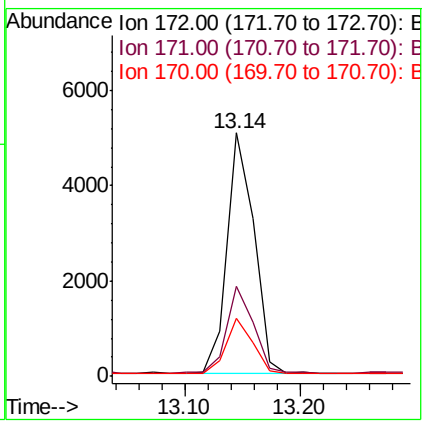


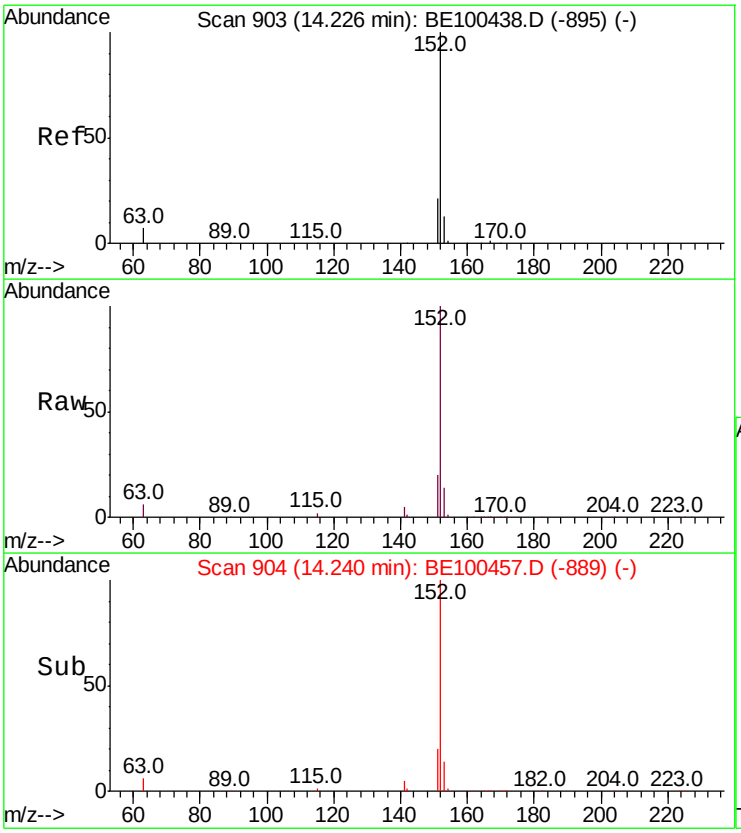
#15
2-Fluorobiphenyl
Concen: 0.117 ng
RT: 13.14 min Scan# 828
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 8141

Ion	Ratio	Lower	Upper
172	100		
171	36.9	27.0	40.4
170	23.8	17.4	26.0

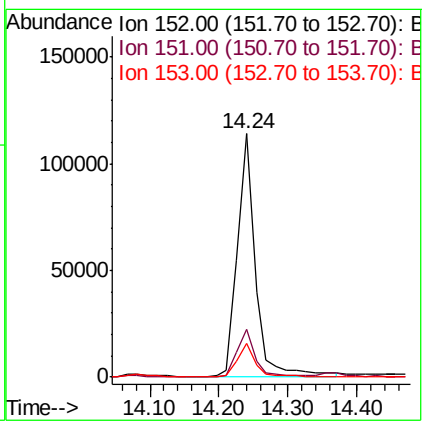


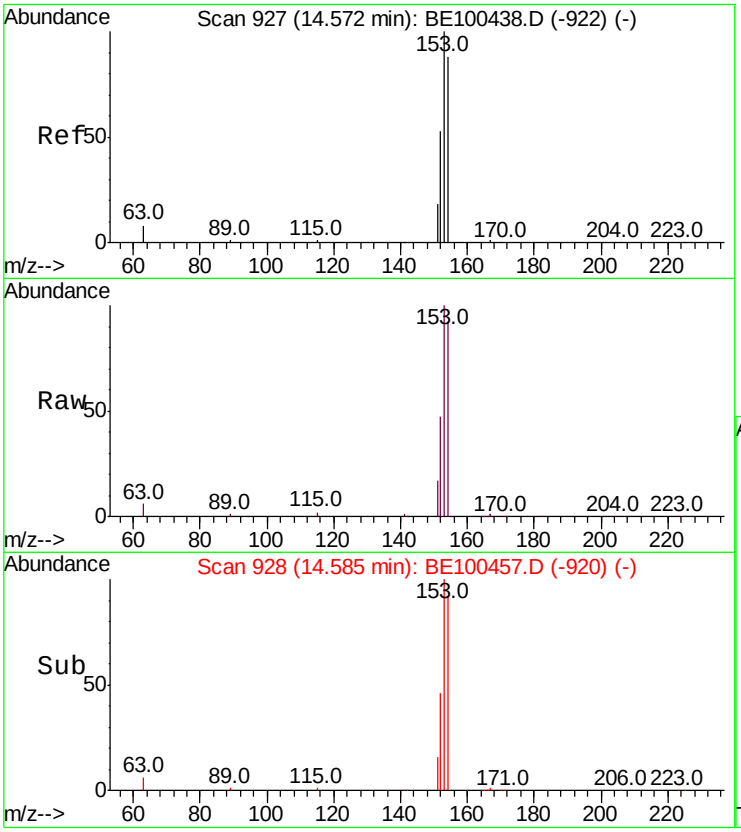


#16
Acenaphthylene
Concen: 3.232 ng
RT: 14.24 min Scan# 904
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:152 Resp: 203186

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.8	10.4	15.6



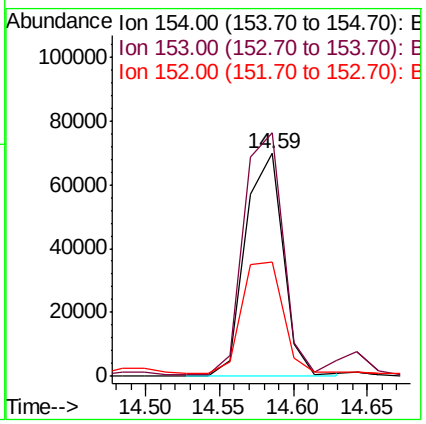


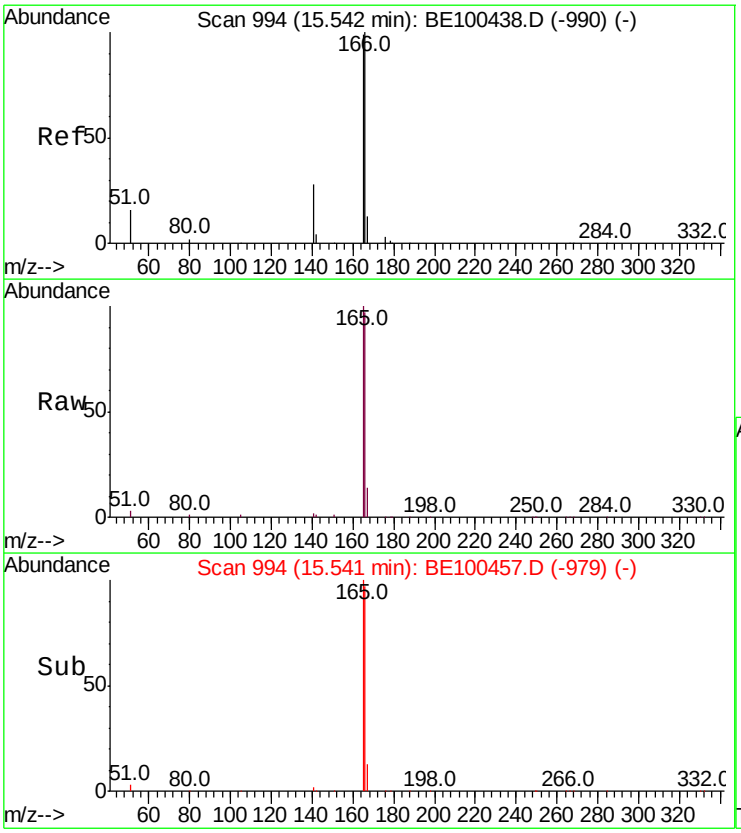
#17
Acenaphthene
Concen: 2.839 ng
RT: 14.59 min Scan# 928
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 122662

Ion	Ratio	Lower	Upper
154	100		
153	116.9	91.0	136.4
152	54.9	49.4	74.2

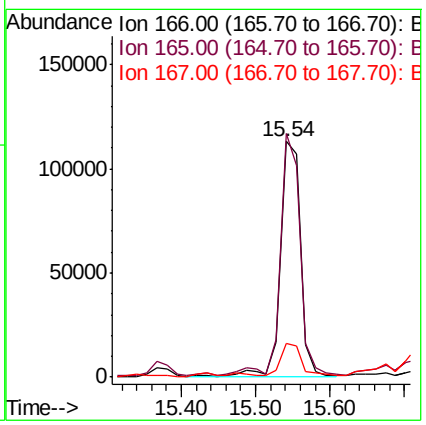


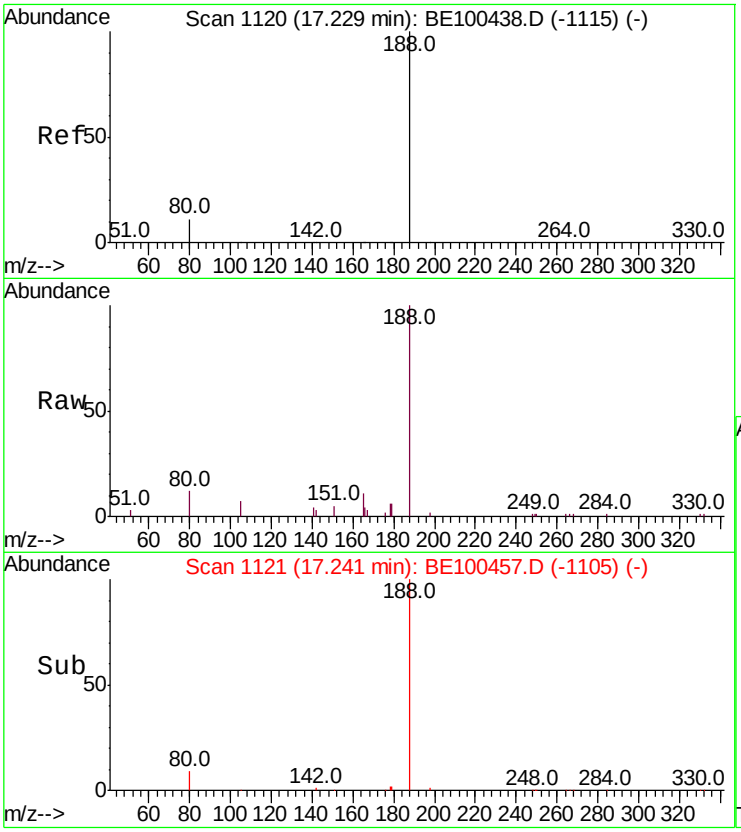


#18
Fluorene
Concen: 3.777 ng
RT: 15.54 min Scan# 994
Delta R.T. -0.00 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:166 Resp: 210412

Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.6	119.4
167	14.5	10.6	15.8



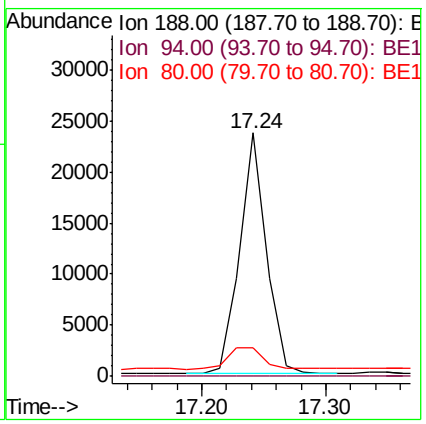


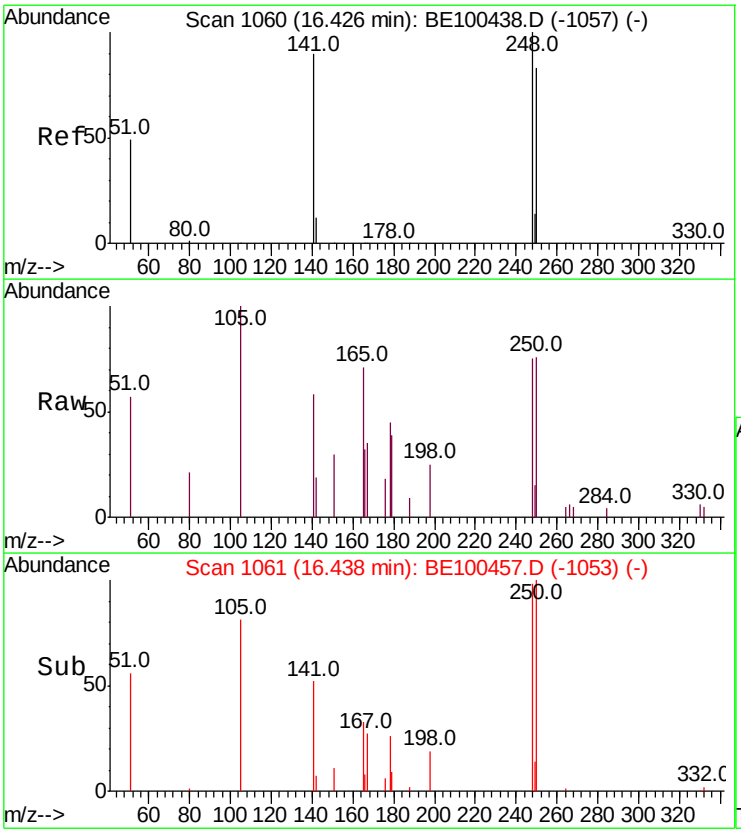
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 35001

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.7	9.2	13.8

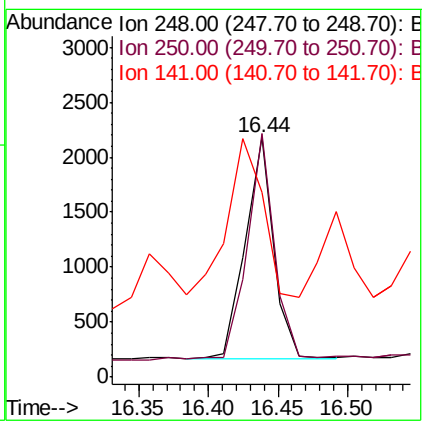


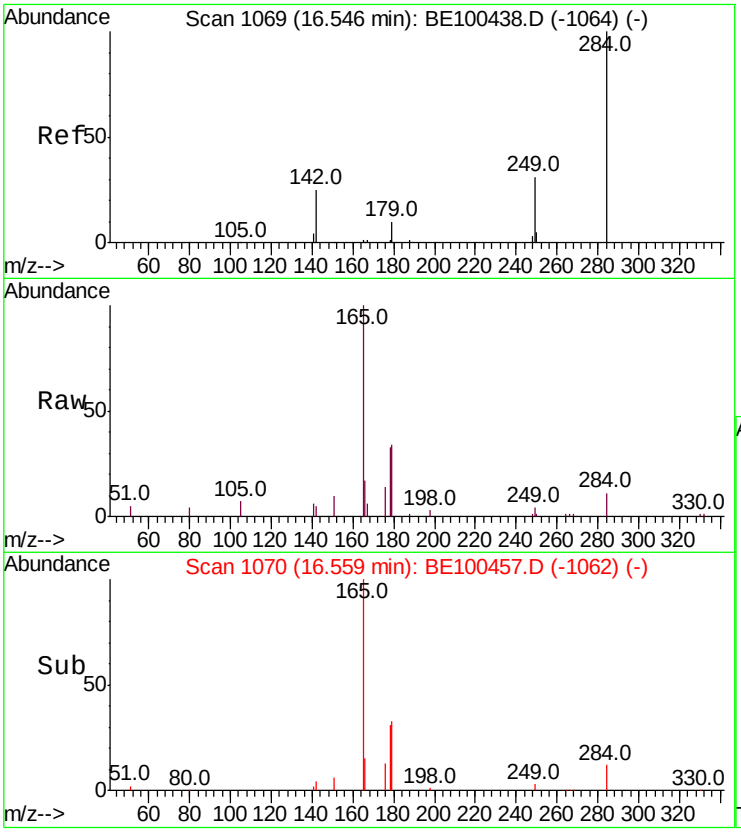


#20
4-Bromophenyl-phenylether
Concen: 0.157 ng
RT: 16.44 min Scan# 1061
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:248 Resp: 2866

Ion	Ratio	Lower	Upper
248	100		
250	101.6	67.1	100.7#
141	77.2	72.2	108.2



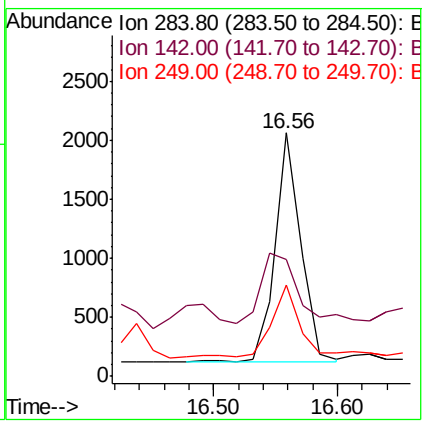


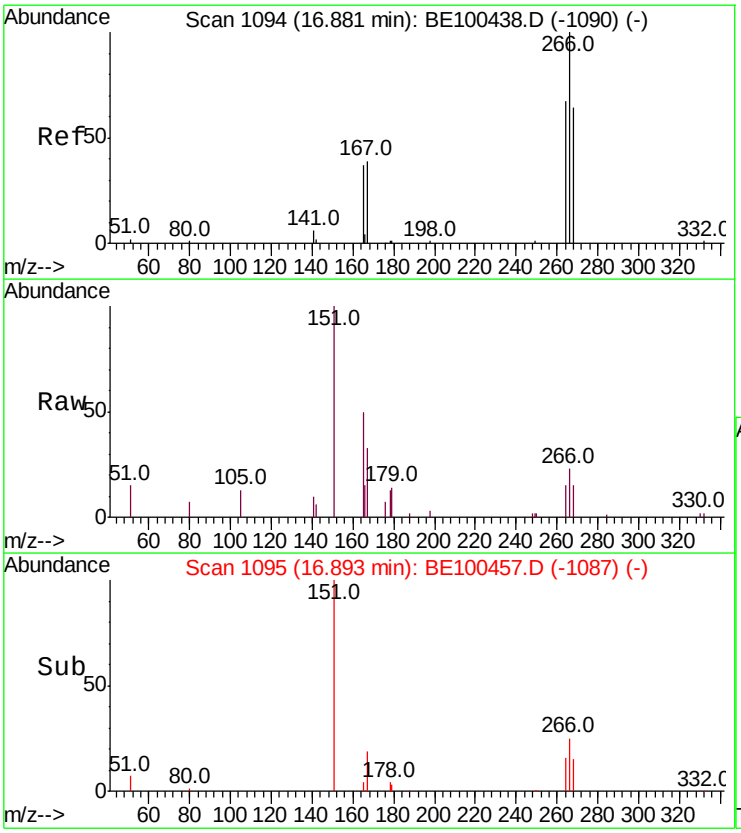
#21
Hexachlorobenzene
Concen: 0.130 ng
RT: 16.56 min Scan# 1070
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 2779

Ion	Ratio	Lower	Upper
284	100		
142	40.9	25.6	38.4#
249	33.7	25.1	37.7

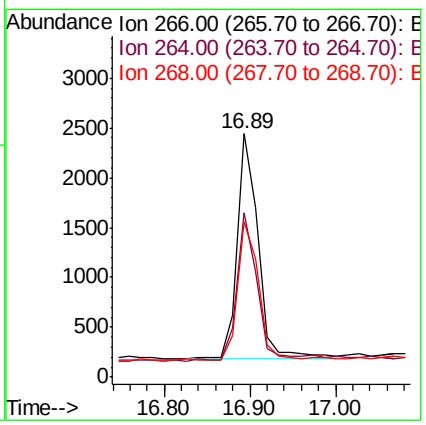


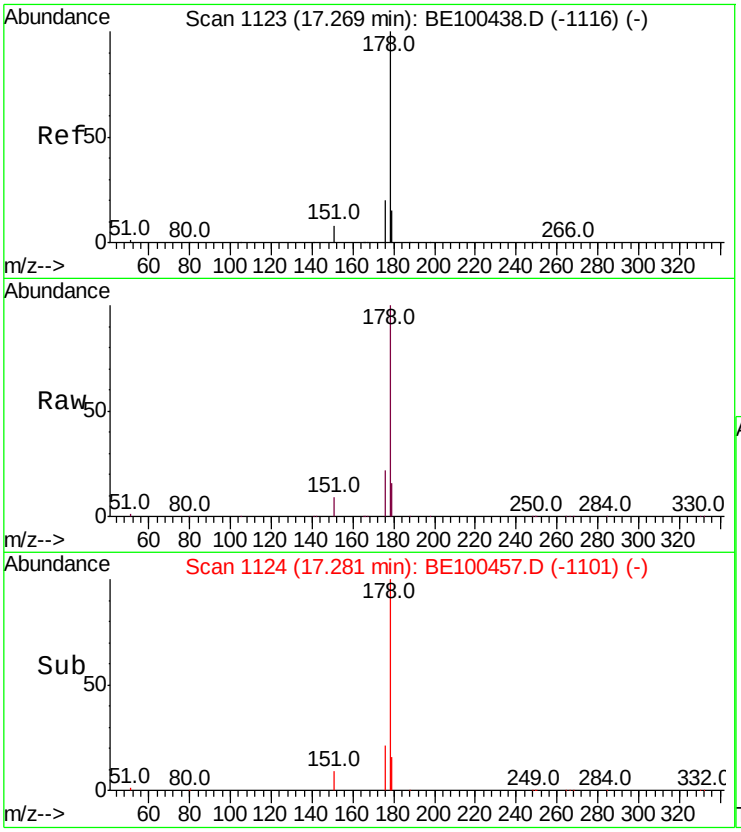


#22
Pentachlorophenol
Concen: 0.934 ng
RT: 16.89 min Scan# 1095
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:266 Resp: 3807

Ion	Ratio	Lower	Upper
266	100		
264	67.4	56.2	84.2
268	63.5	54.9	82.3



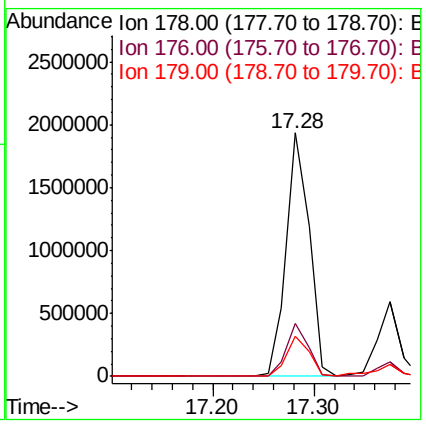


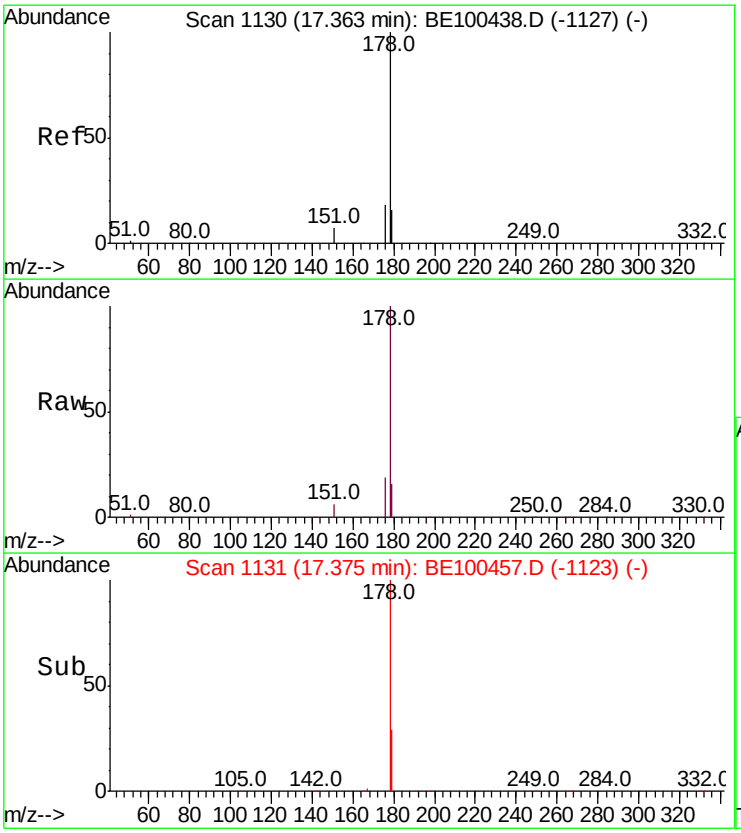
#23
Phenanthrene
Concen: 32.572 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 3037639

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.5	23.3
179	16.2	12.4	18.6

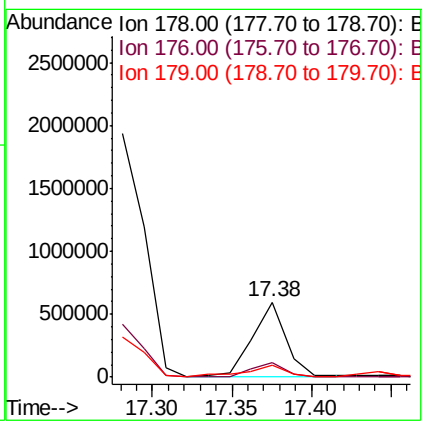


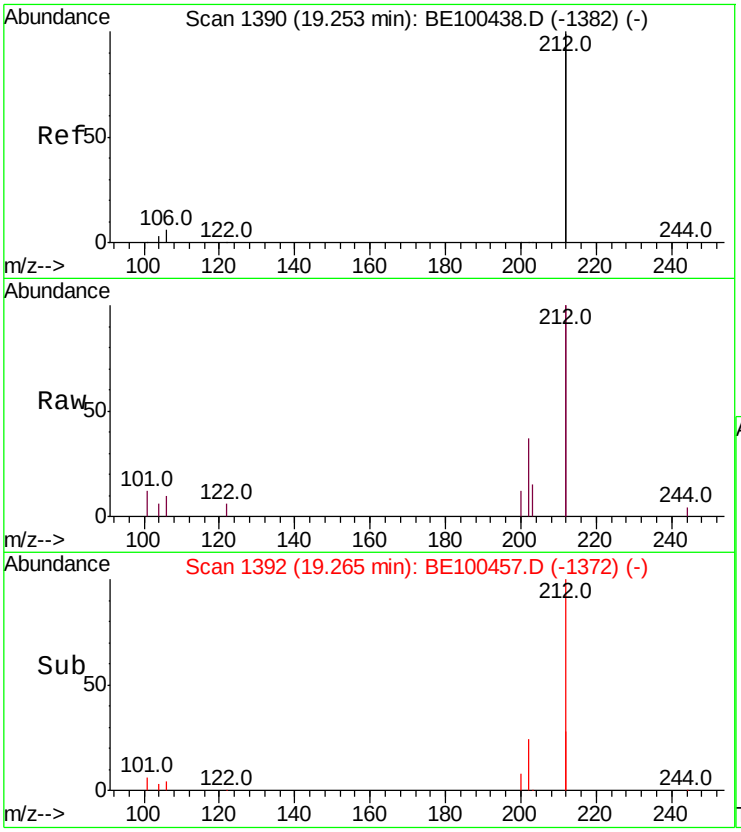


#24
Anthracene
Concen: 11.001 ng
RT: 17.38 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:178 Resp: 846747

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.0	22.4
179	17.8	12.3	18.5



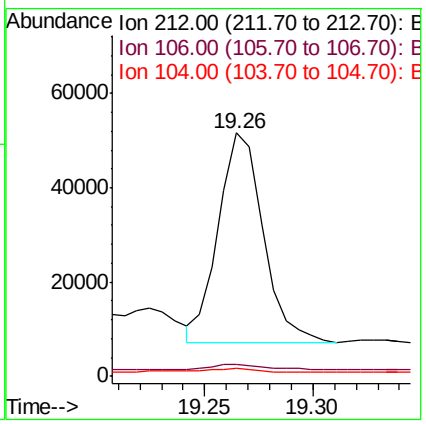


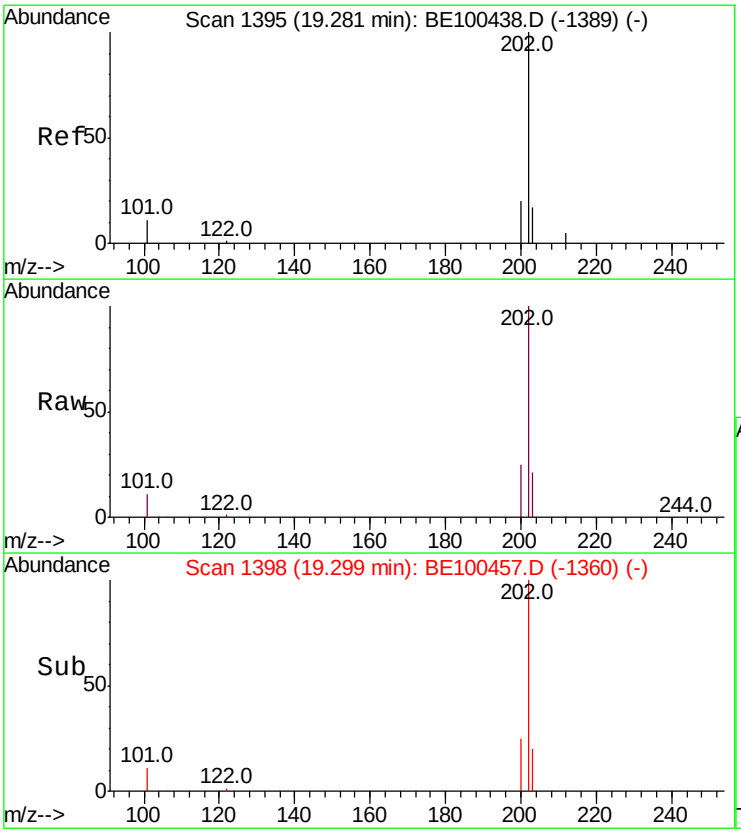
#25
Fluoranthene-d10
Concen: 0.153 ng
RT: 19.26 min Scan# 1392
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 63936

Ion	Ratio	Lower	Upper
212	100		
106	3.1	2.6	3.8
104	2.0	1.4	2.2

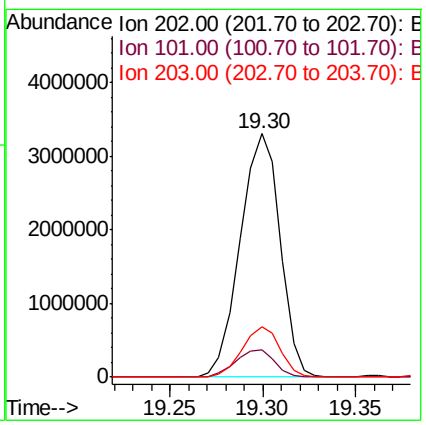


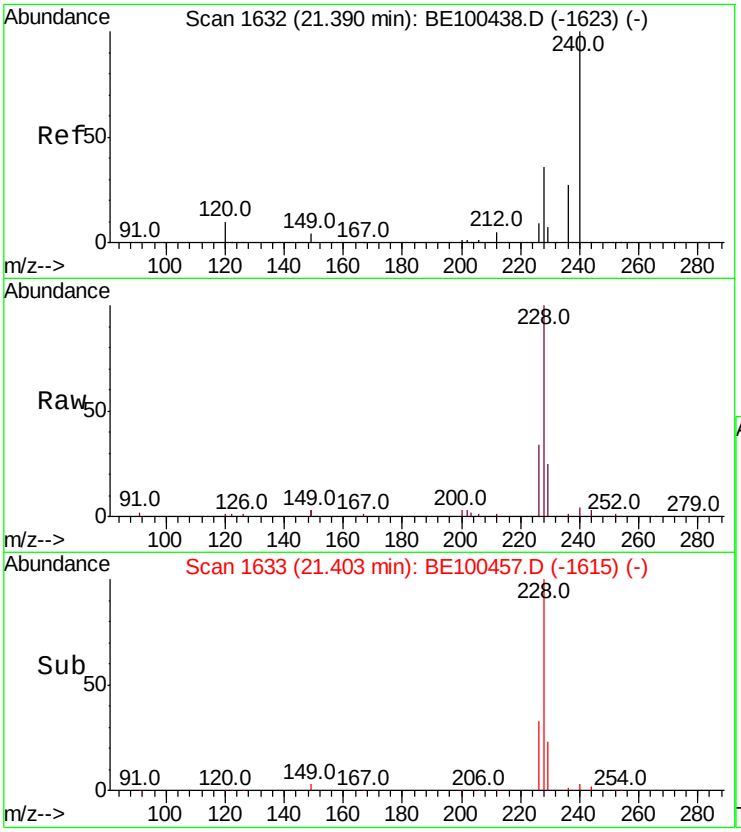


#26
Fluoranthene
Concen: 41.520 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.02 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:202 Resp: 4921239

Ion	Ratio	Lower	Upper
202	100		
101	11.0	8.9	13.3
203	19.6	13.8	20.6



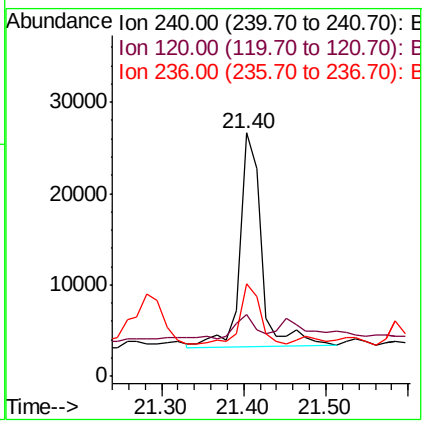


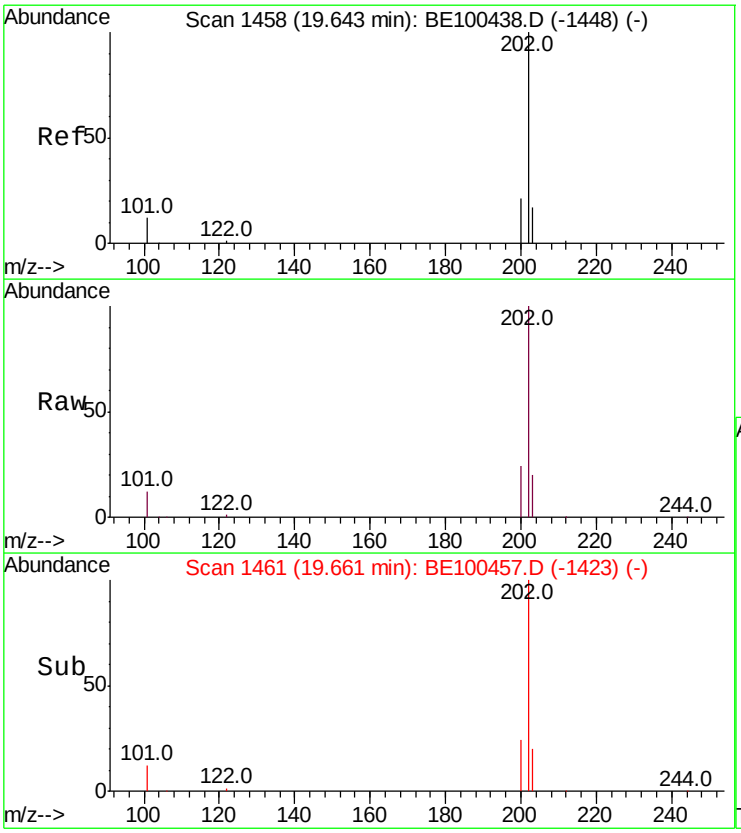
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 42891

Ion	Ratio	Lower	Upper
240	100		
120	25.6	8.8	13.2#
236	38.1	22.0	33.0#

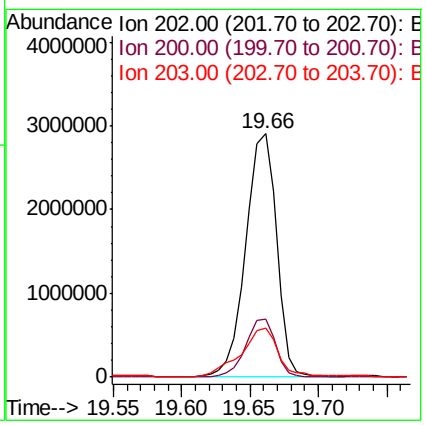


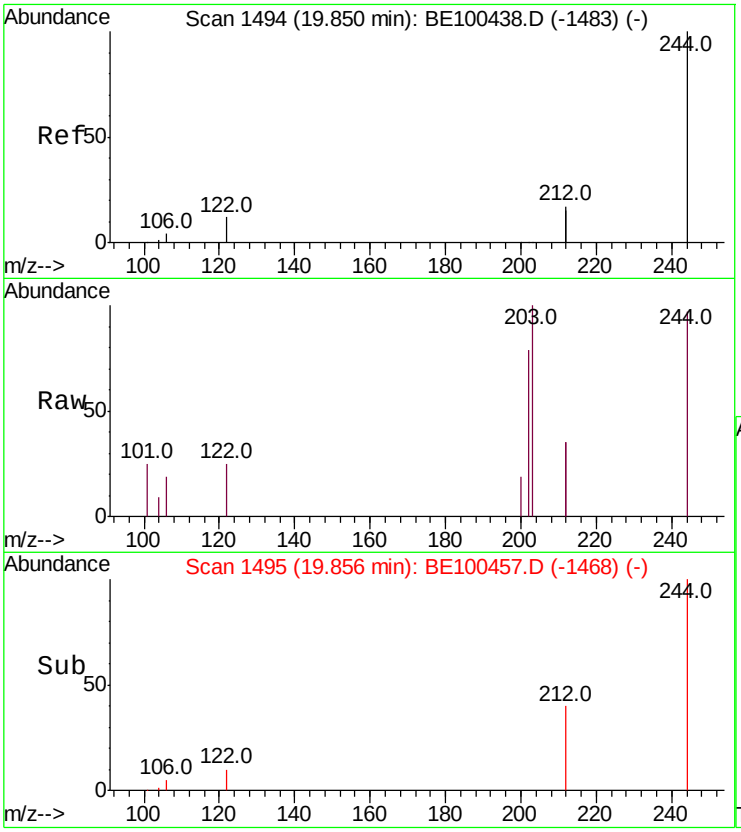


#28
Pyrene
Concen: 35.932 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.02 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:202 Resp: 4508421

Ion	Ratio	Lower	Upper
202	100		
200	23.3	16.8	25.2
203	24.3	13.8	20.8#



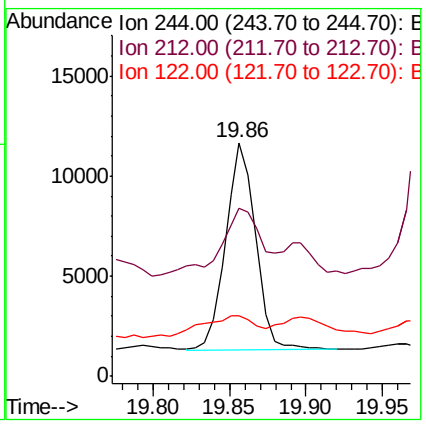


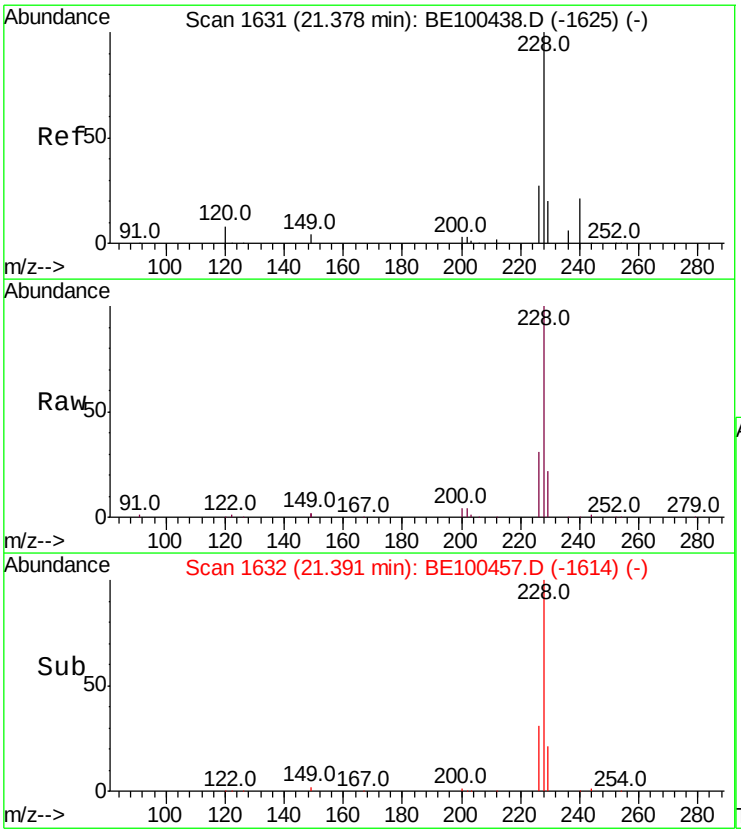
#29
Terphenyl-d14
Concen: 0.135 ng
RT: 19.86 min Scan# 1495
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 14223

Ion	Ratio	Lower	Upper
244	100		
212	72.1	26.3	39.5#
122	26.1	9.4	14.2#

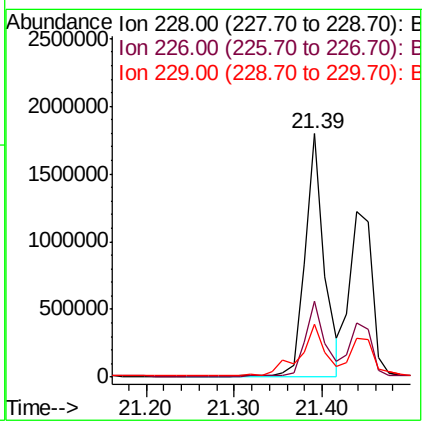


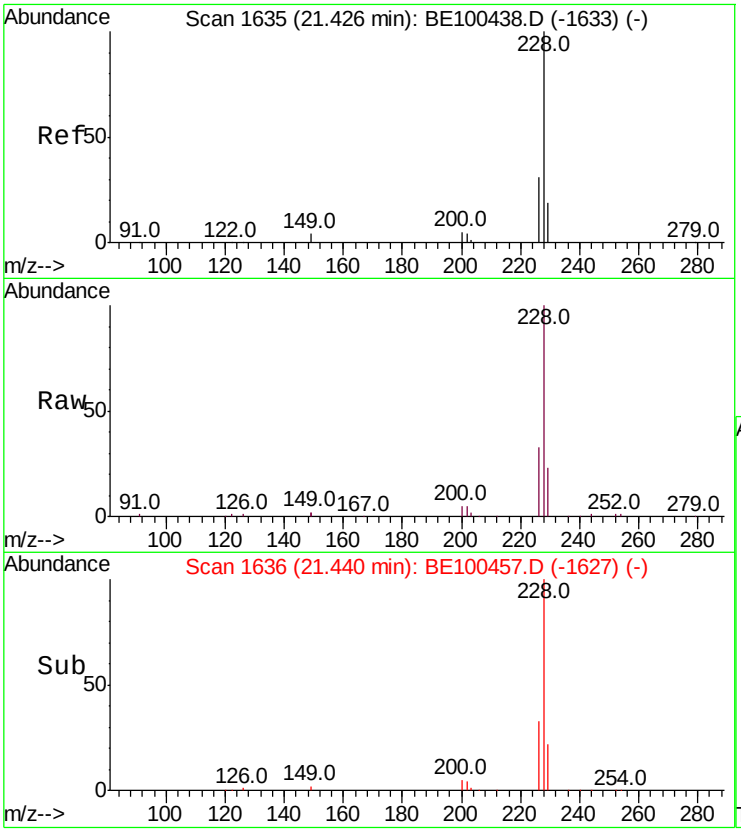


#30
Benzo(a)anthracene
Concen: 23.595 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:228 Resp: 2746695

Ion	Ratio	Lower	Upper
228	100		
226	31.2	21.6	32.4
229	22.0	15.8	23.8



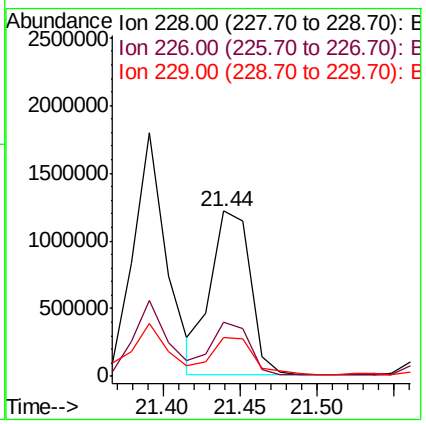


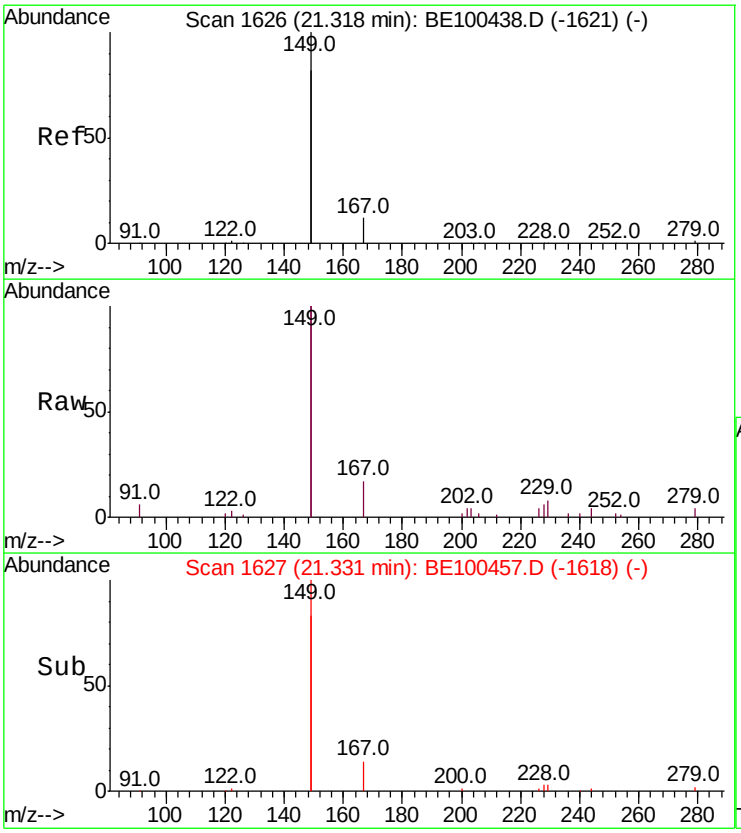
#31
Chrysene
Concen: 15.505 ng
RT: 21.44 min Scan# 1636
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 2143428

Ion	Ratio	Lower	Upper
228	100		
226	32.9	24.8	37.2
229	23.2	15.8	23.6

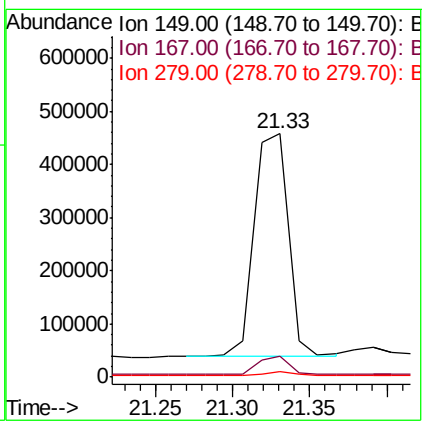


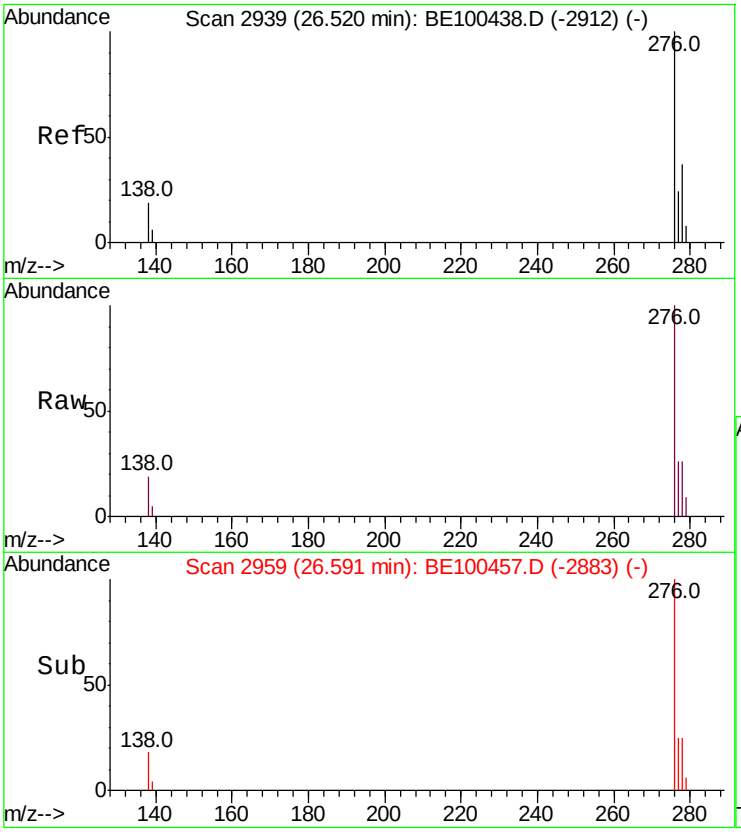


#32
Bis(2-ethylhexyl)phthalate
Concen: 7.743 ng
RT: 21.33 min Scan# 1627
Delta R.T. 0.01 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:149 Resp: 646505

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.0	7.6
279	1.2	1.2	1.8#



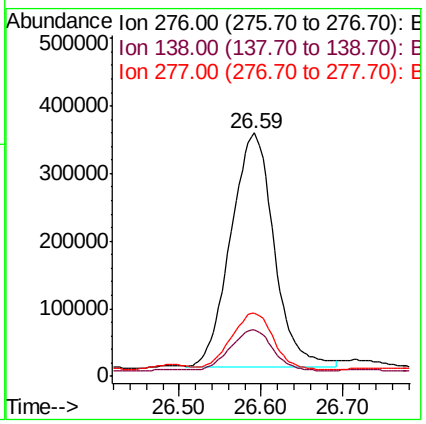


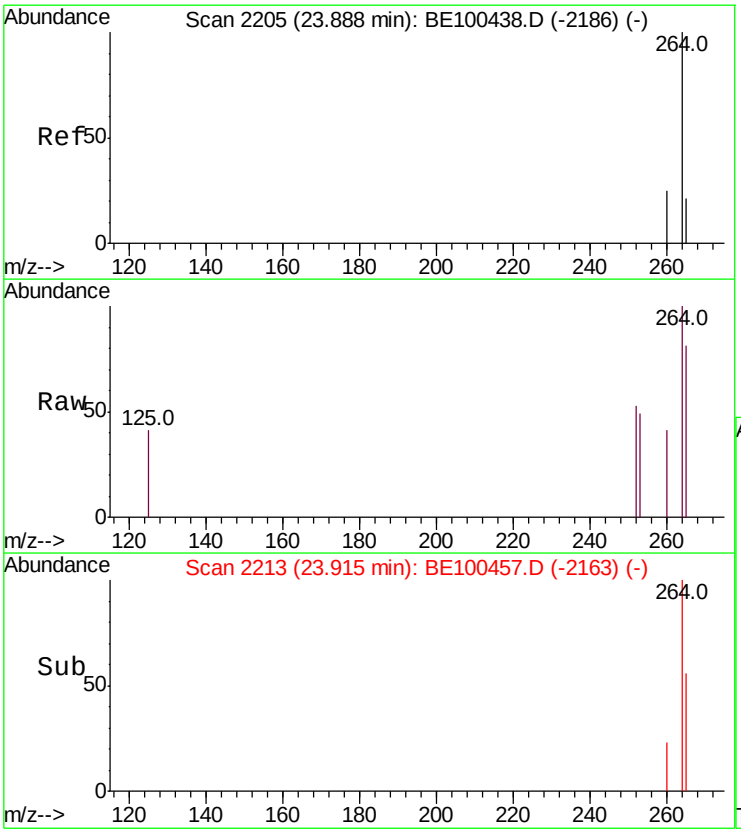
#33
Indeno(1,2,3-cd)pyrene
Concen: 10.257 ng
RT: 26.59 min Scan# 2959
Delta R.T. 0.07 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 1260660

Ion	Ratio	Lower	Upper
276	100		
138	17.1	17.0	25.6
277	23.9	19.8	29.6

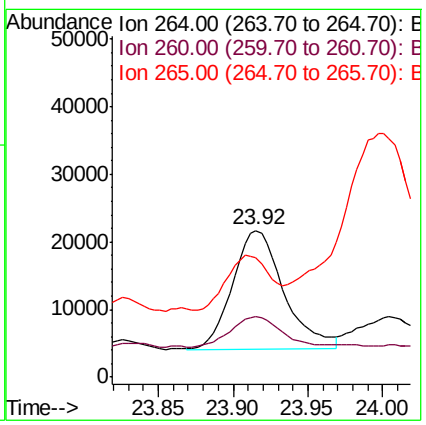


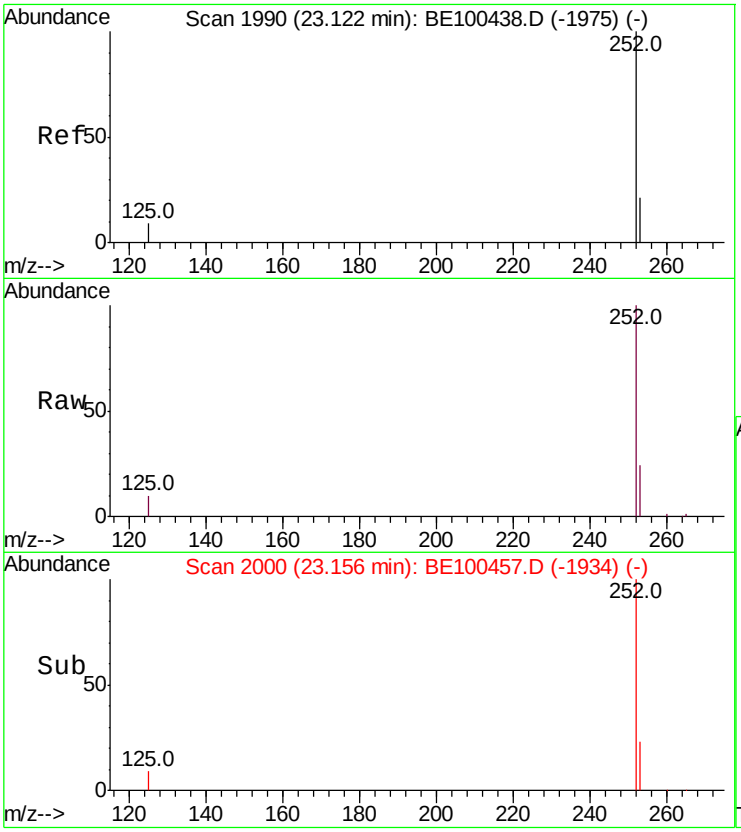


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.92 min Scan# 2213
Delta R.T. 0.03 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:264 Resp: 42078

Ion	Ratio	Lower	Upper
264	100		
260	41.2	20.0	30.0#
265	81.5	22.2	33.4#



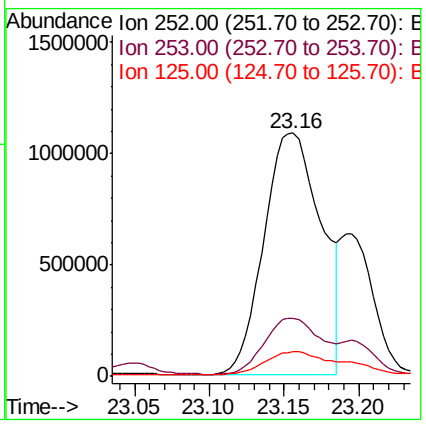


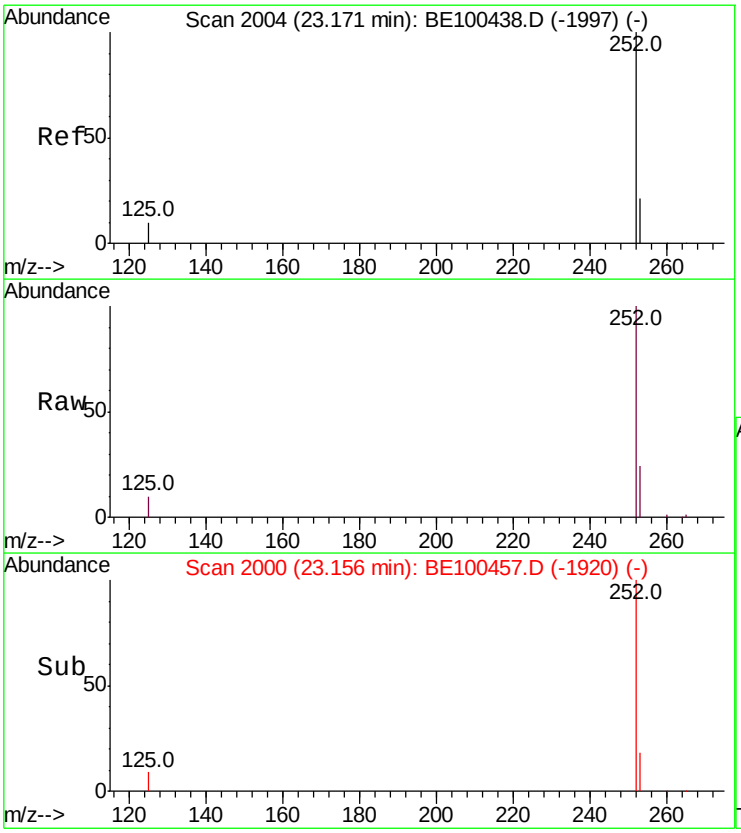
#35
Benzo(b)fluoranthene
Concen: 22.564 ng
RT: 23.16 min Scan# 2000
Delta R.T. 0.03 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 2900929

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	10.0	8.0	12.0

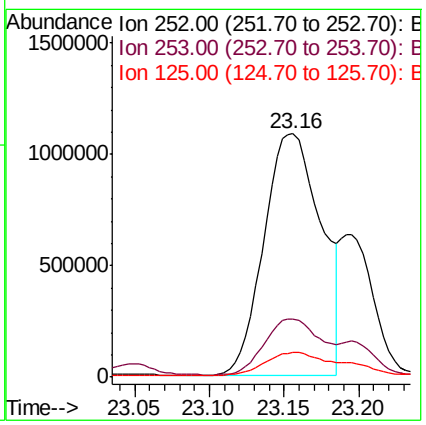


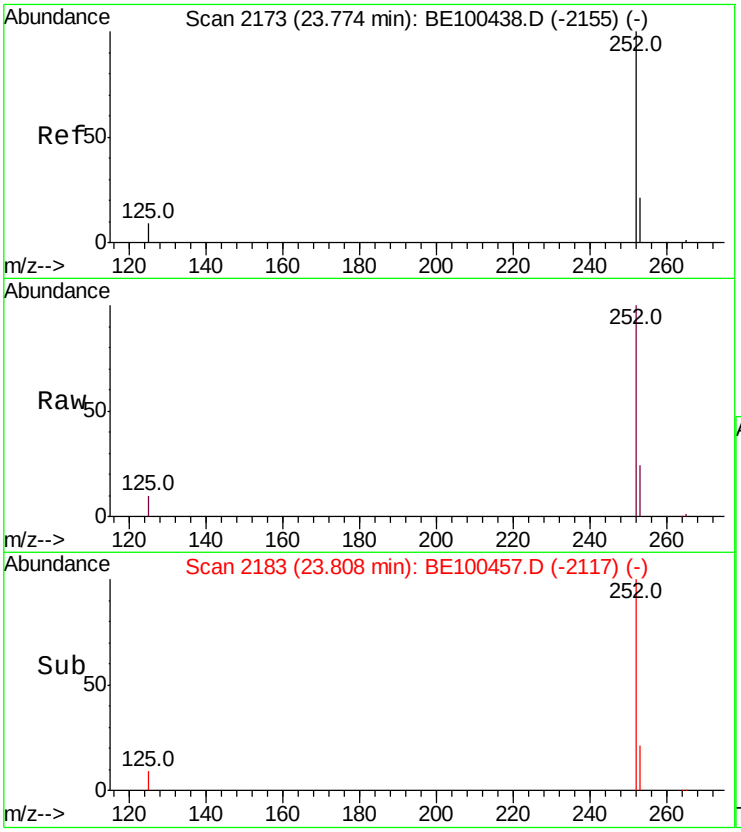


#36
Benzo(k)fluoranthene
Concen: 21.323 ng
RT: 23.16 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:252 Resp: 2900929

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	10.0	8.3	12.5



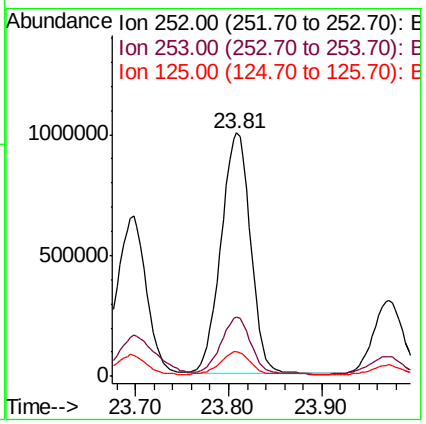


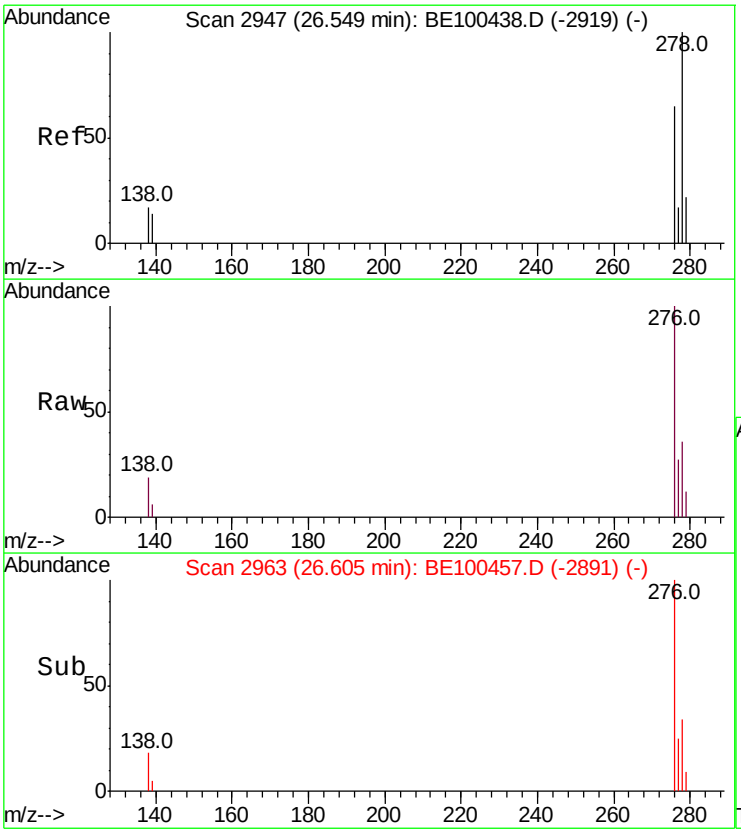
#37
Benzo(a)pyrene
Concen: 20.853 ng
RT: 23.81 min Scan# 2183
Delta R.T. 0.03 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 2204462

Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	10.1	9.0	13.6

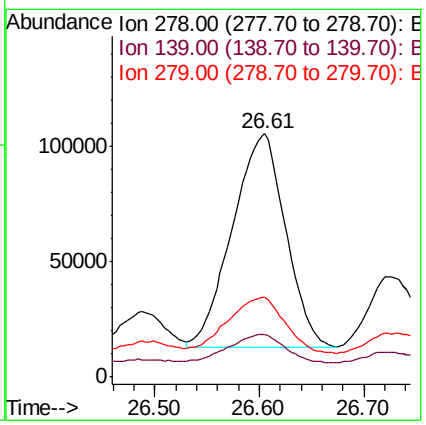


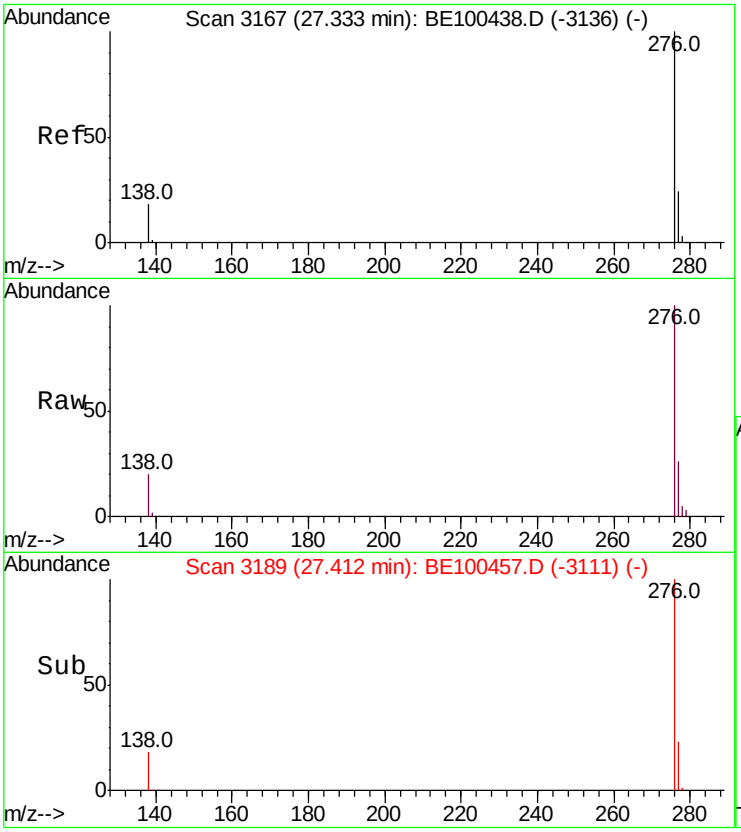


#38
Dibenzo(a,h)anthracene
Concen: 2.885 ng
RT: 26.61 min Scan# 2963
Delta R.T. 0.06 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Tgt Ion:278 Resp: 325118

Ion	Ratio	Lower	Upper
278	100		
139	17.6	12.2	18.2
279	32.7	18.6	27.8#





#39
Benzo(g,h,i)perylene
Concen: 10.284 ng
RT: 27.41 min Scan# 3189
Delta R.T. 0.08 min
Lab File: BE100457.D
Acq: 17 Jul 2019 20:07

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 1212230

Ion	Ratio	Lower	Upper
276	100		
277	25.5	19.6	29.4
138	19.5	15.1	22.7