Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120419\
Data File : BE100772.D
Acq On : 4 Dec 2019 12:37
Operator : JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICC0.1

Quant Time: Dec 04 15:59:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 14:31:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5480	0.40	ng		0.00
7) Naphthalene-d8	10.54	136	24180	0.40	ng		0.00
13) Acenaphthene-d10	14.40	164	12337	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	30592	0.40	ng		0.00
27) Chrysene-d12	21.31	240	28463	0.40	ng		0.00
34) Perylene-d12	23.77	264	34865	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1325	0.09	ng		0.00
5) Phenol-d6	6.93	99	1908	0.09	ng		0.00
8) Nitrobenzene-d5	8.90	82	1058	0.14	ng		0.00
11) 2-Methylnaphthalene-d10	12.14	152	3425	0.10	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	134	0.08	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	5280	0.11	ng		0.00
25) Fluoranthene-d10	19.16	212	31231	0.08	ng		0.00
29) Terphenyl-d14	19.77	244	6751	0.10	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	1256	0.122	ng		89
6) bis(2-Chloroethyl)ether	7.19	93	1893	0.105	ng		94
9) Naphthalene	10.59	128	26455	0.103	ng		100
10) Hexachlorobutadiene	10.89	225	1043	0.106	ng		95
12) 2-Methylnaphthalene	12.21	142	3870	0.095	ng		98
16) Acenaphthylene	14.11	152	4907	0.092	ng		99
17) Acenaphthene	14.46	154	3446	0.097	ng		99
18) Fluorene	15.43	166	4301	0.095	ng		99
20) 4-Bromophenyl-phenylether	16.33	248	1370	0.091	ng	#	89
21) Hexachlorobenzene	16.44	284	1570	0.100	ng		96
23) Phenanthrene	17.17	178	8913	0.097	ng		99
24) Anthracene	17.26	178	6904	0.087	ng		99
26) Fluoranthene	19.19	202	8932	0.079	ng		100
28) Pyrene	19.55	202	9453	0.107	ng		98
30) Benzo(a)anthracene	21.29	228	7837	0.082	ng		97
31) Chrysene	21.34	228	9896	0.101	ng		99
32) Bis(2-ethylhexyl)phthalate	21.24	149	8970	0.052	ng		99
33) Indeno(1,2,3-cd)pyrene	26.34	276	8089	0.079	ng	#	86
35) Benzo(b)fluoranthene	23.01	252	8513	0.078	ng	#	93
36) Benzo(k)fluoranthene	23.06	252	8979	0.079	ng	#	92
37) Benzo(a)pyrene	23.65	252	6905	0.072	ng	#	91
38) Dibenzo(a,h)anthracene	26.37	278	6295	0.062	ng	#	93
39) Benzo(g,h,i)perylene	27.12	276	7813	0.074	ng		95

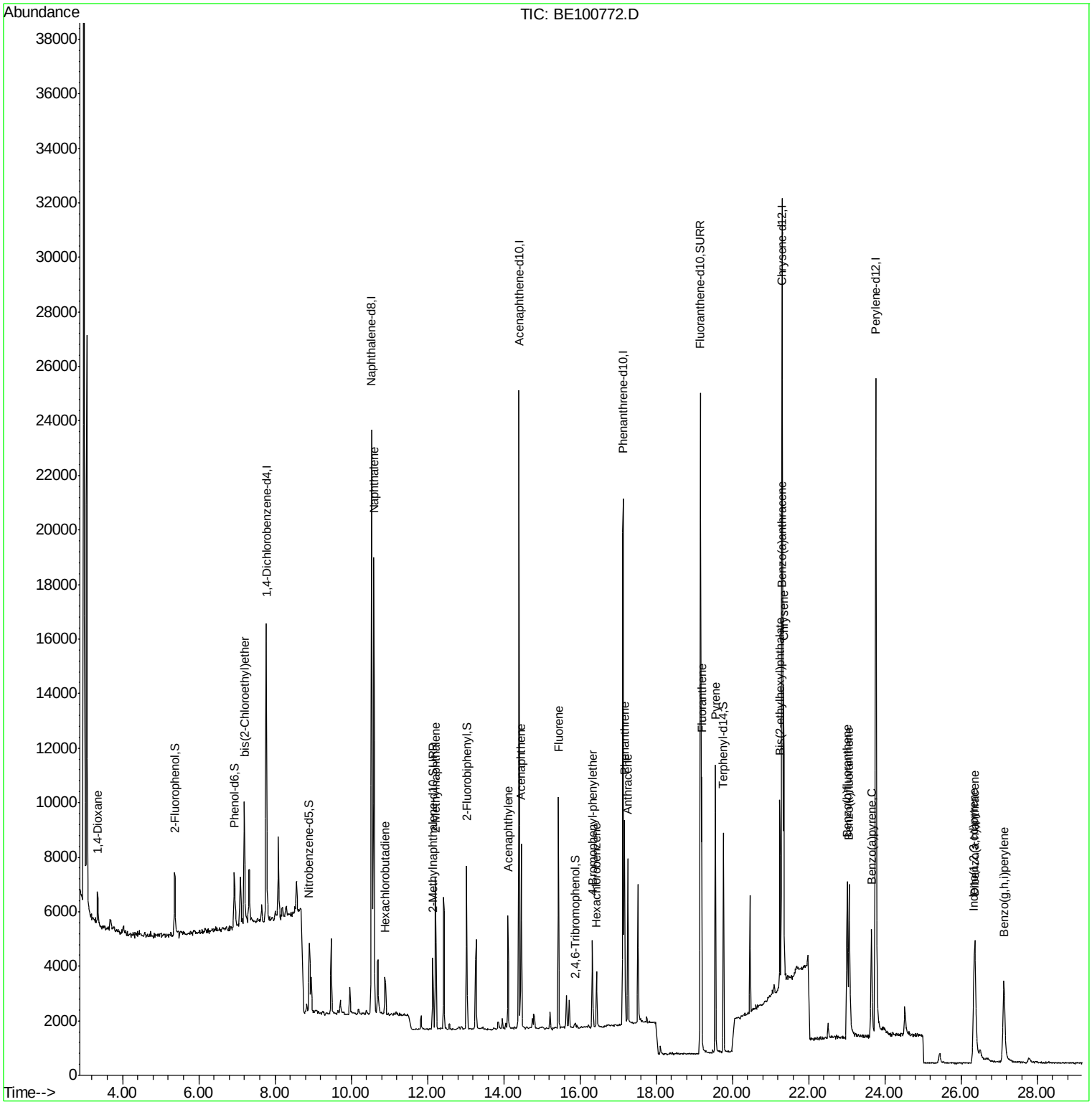
(#) = qualifier out of range (m) = manual integration (+) = signals summed

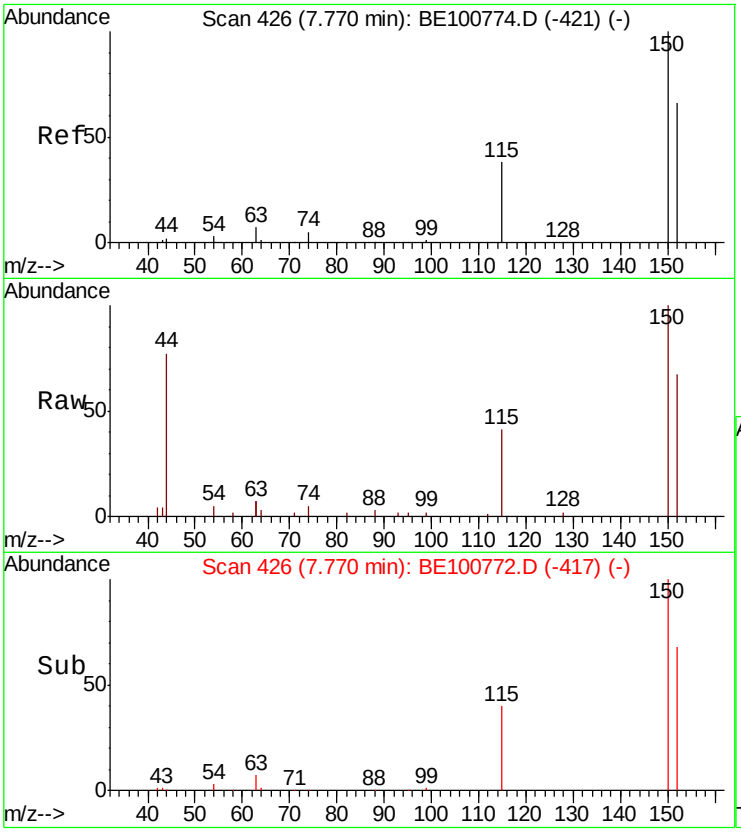
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE120419\
Data File : BE100772.D
Acq On : 4 Dec 2019 12:37
Operator : JU
Sample : SSTDICC0.1
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Quant Time: Dec 04 15:59:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE120419.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 04 14:31:40 2019
Response via : Initial Calibration



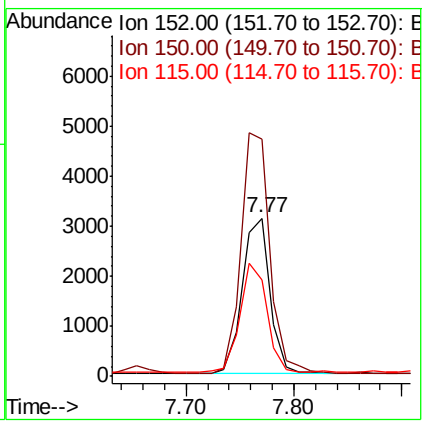


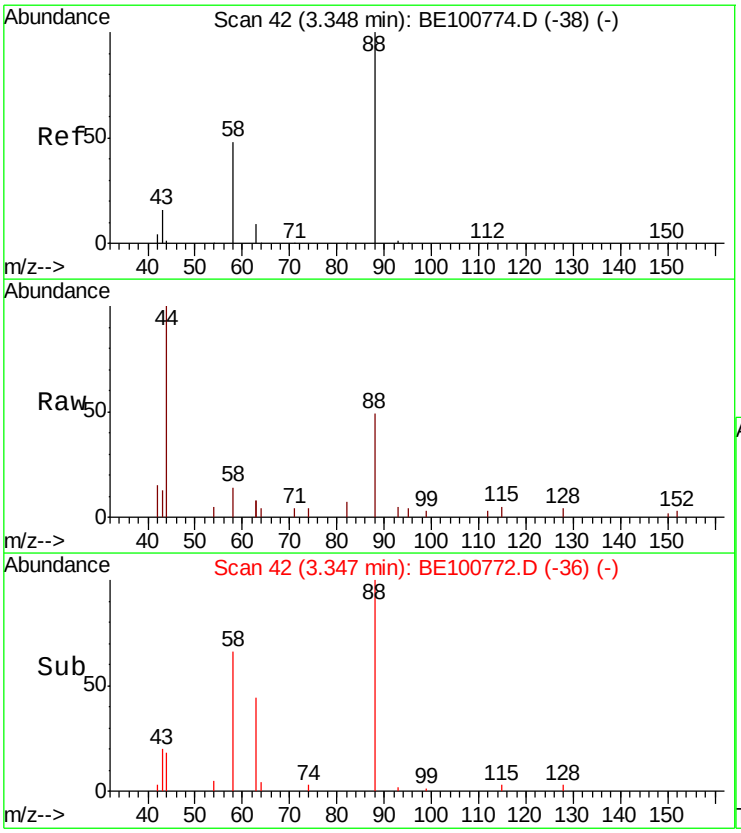
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 5480

Ion	Ratio	Lower	Upper
152	100		
150	150.0	120.6	181.0
115	61.2	47.4	71.2

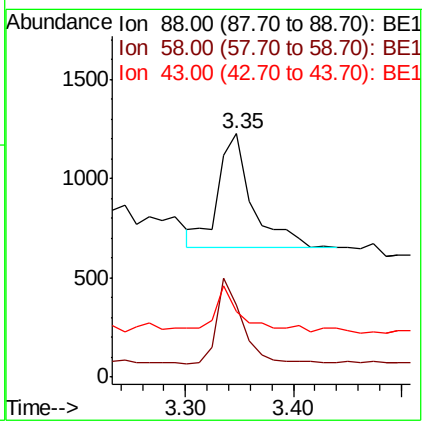


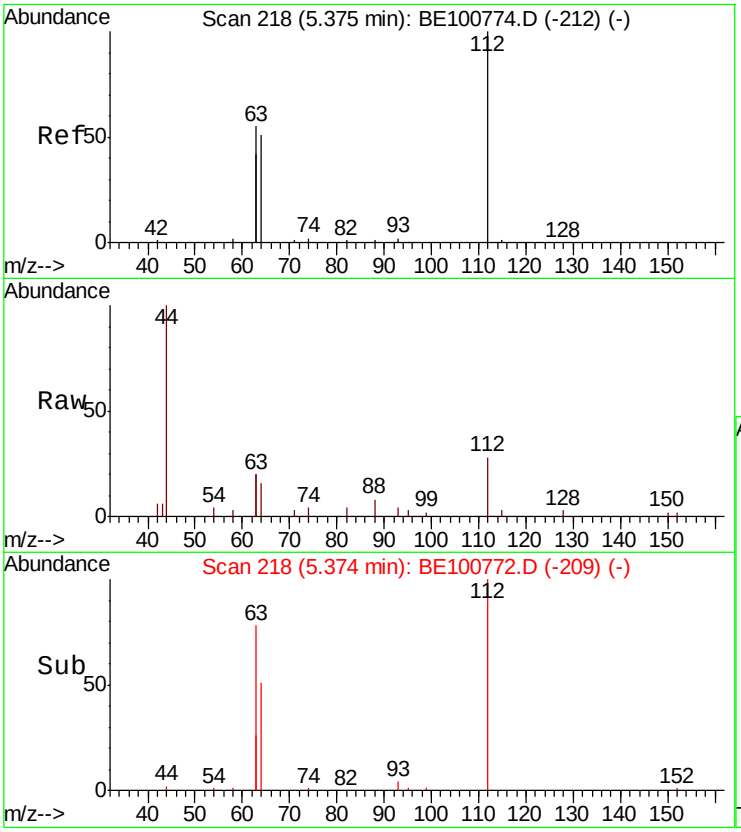


#2
1,4-Dioxane
Concen: 0.122 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion: 88 Resp: 1256

Ion	Ratio	Lower	Upper
88	100		
58	56.0	52.5	78.7
43	32.5	23.0	34.6



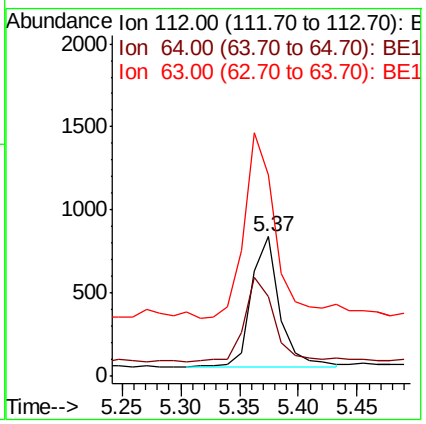


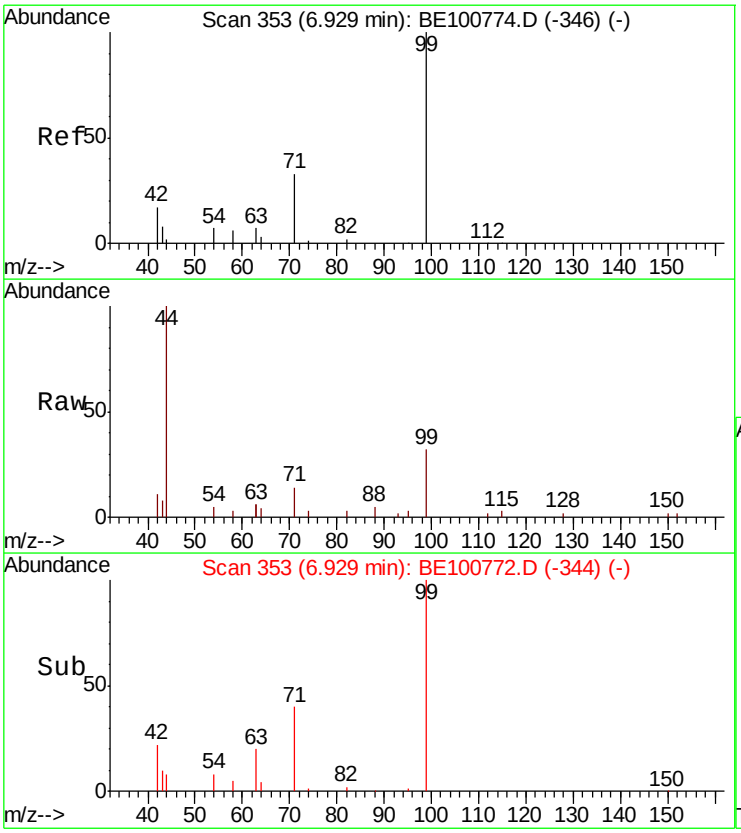
#4
2-Fluorophenol
Concen: 0.089 ng
RT: 5.37 min Scan# 218
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:112 Resp: 1325

Ion	Ratio	Lower	Upper
112	100		
64	66.7	54.1	81.1
63	153.4	113.2	169.8

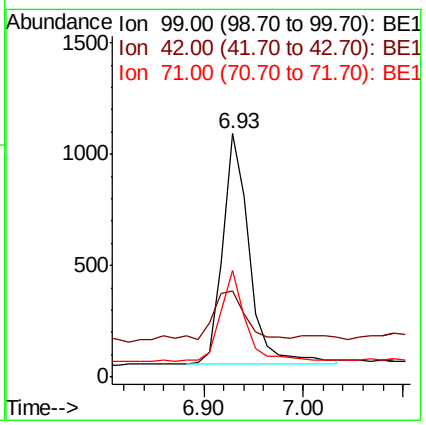


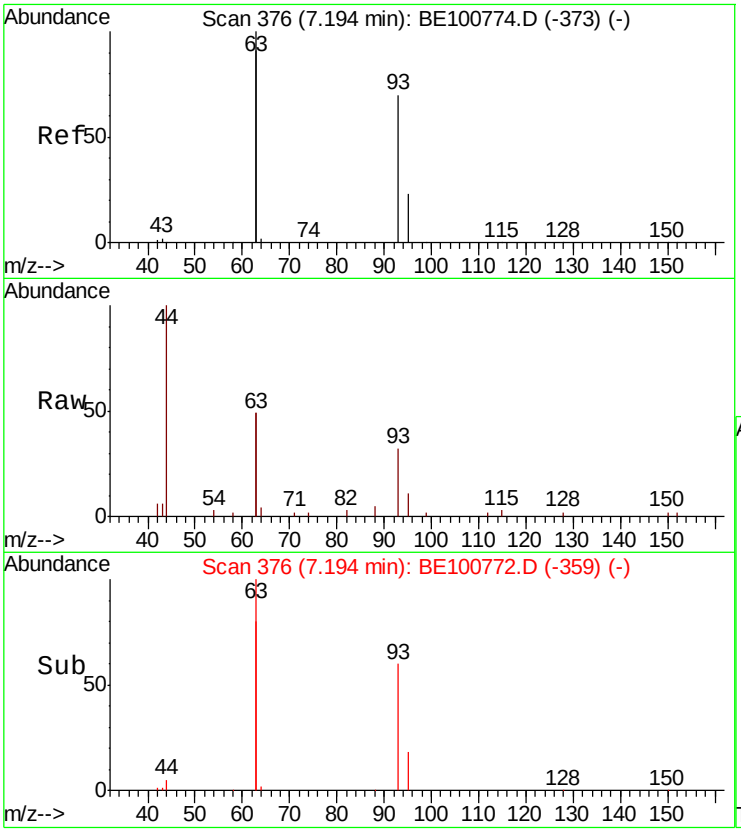


#5
Phenol-d6
Concen: 0.089 ng
RT: 6.93 min Scan# 353
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion: 99 Resp: 1908

Ion	Ratio	Lower	Upper
99	100		
42	23.8	19.1	28.7
71	37.2	27.7	41.5



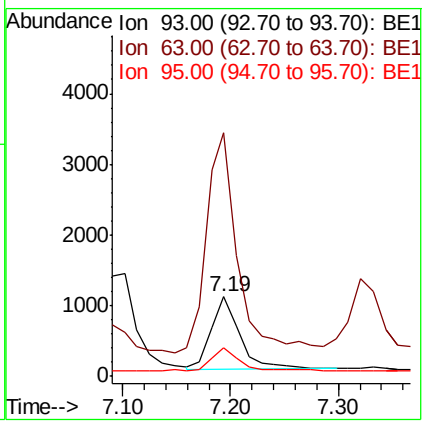


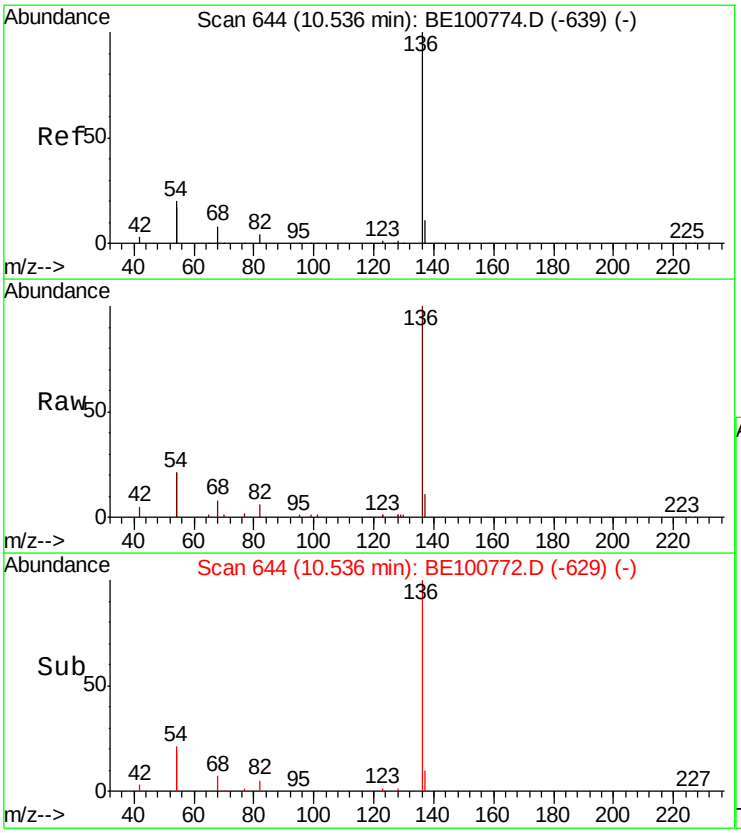
#6
bis(2-Chloroethyl)ether
Concen: 0.105 ng
RT: 7.19 min Scan# 376
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 93 Resp: 1893

Ion	Ratio	Lower	Upper
93	100		
63	336.9	259.4	389.0
95	34.8	26.2	39.2

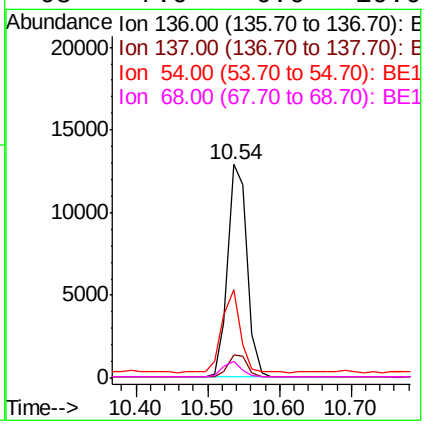


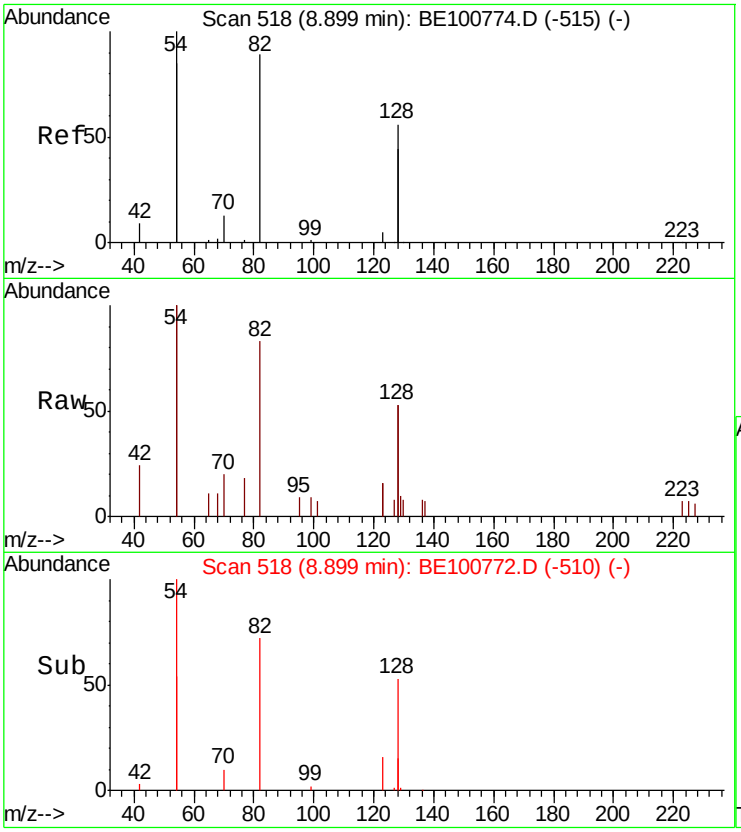


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.54 min Scan# 644
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:136 Resp: 24180

Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.4	14.0
54	41.6	31.1	46.7
68	7.9	6.6	10.0



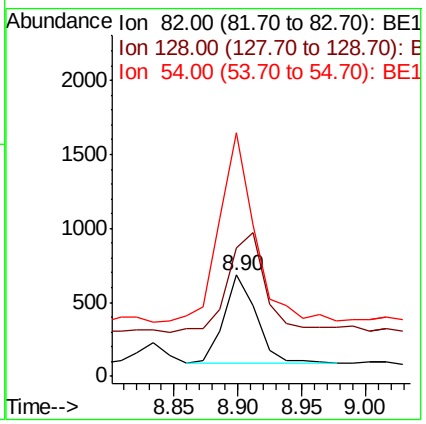


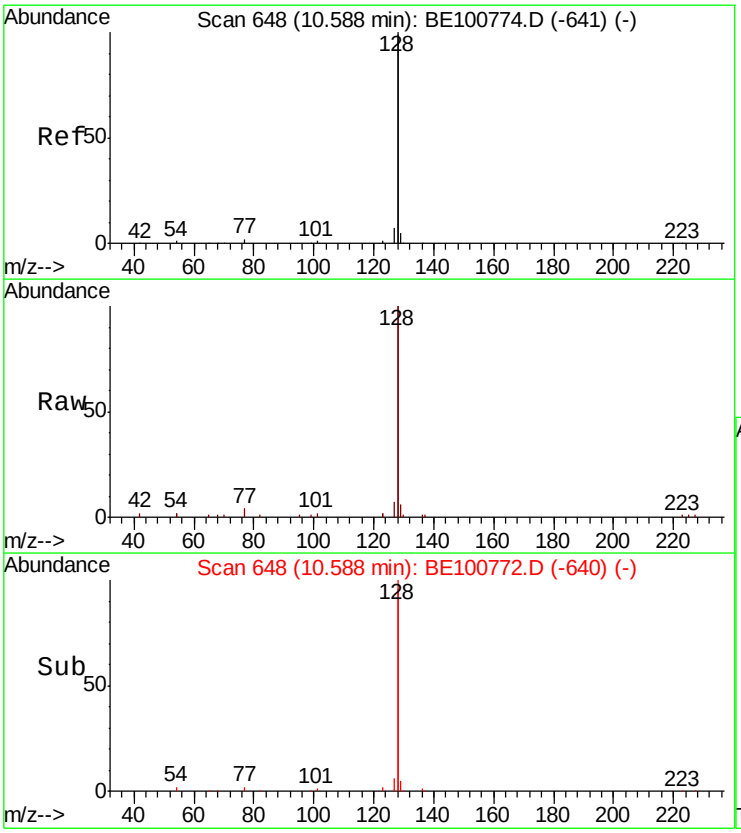
#8
Nitrobenzene-d5
Concen: 0.136 ng
RT: 8.90 min Scan# 518
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion: 82 Resp: 1058

Ion	Ratio	Lower	Upper
82	100		
128	127.4	97.0	145.4
54	241.0	171.8	257.6

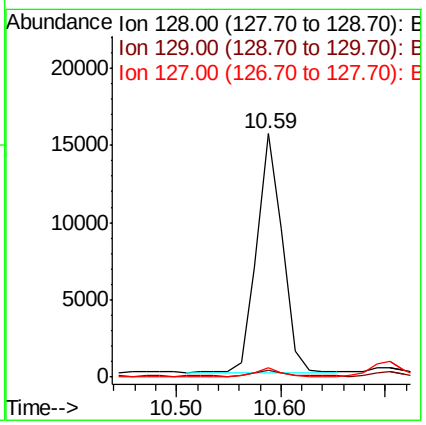


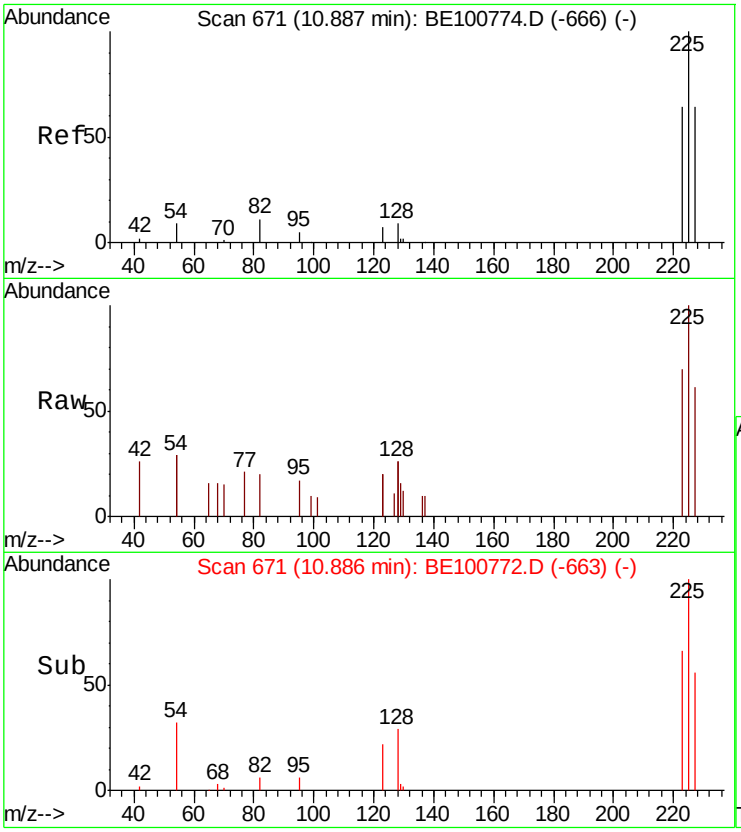


#9
Naphthalene
Concen: 0.103 ng
RT: 10.59 min Scan# 648
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:128 Resp: 26455

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.2	3.4
127	3.6	2.7	4.1



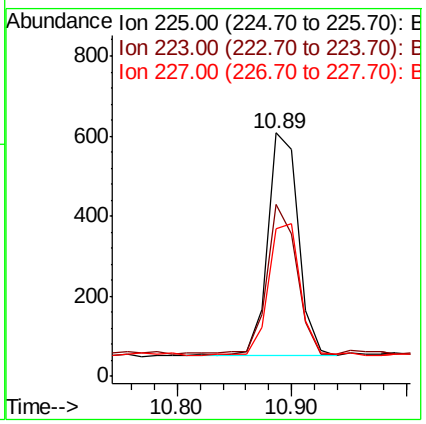


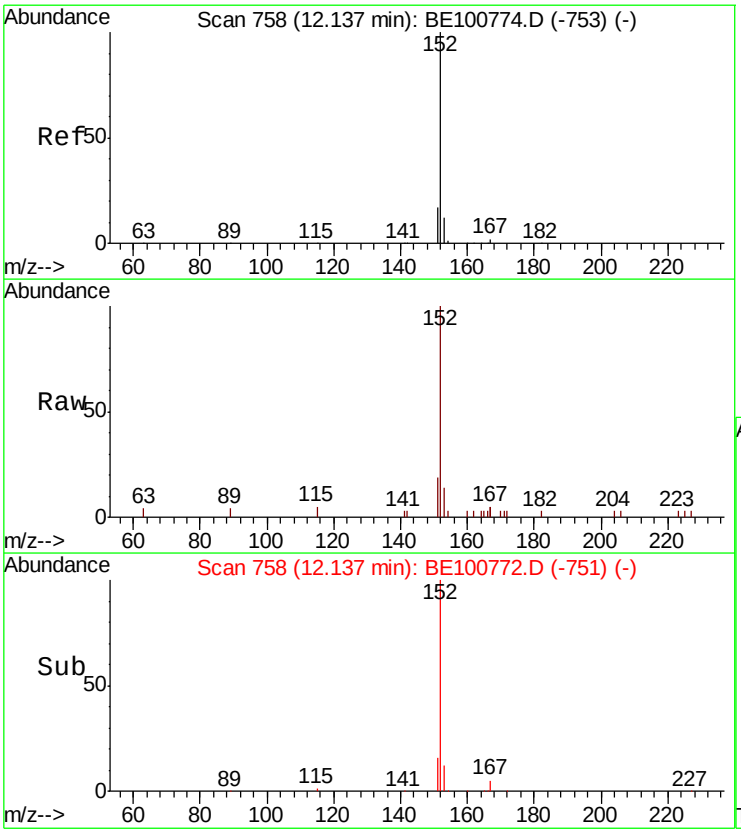
#10
Hexachlorobutadiene
Concen: 0.106 ng
RT: 10.89 min Scan# 671
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:225 Resp: 1043

Ion	Ratio	Lower	Upper
225	100		
223	65.0	49.9	74.9
227	60.9	52.2	78.4

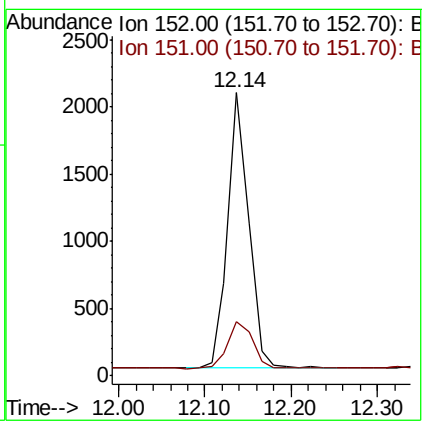


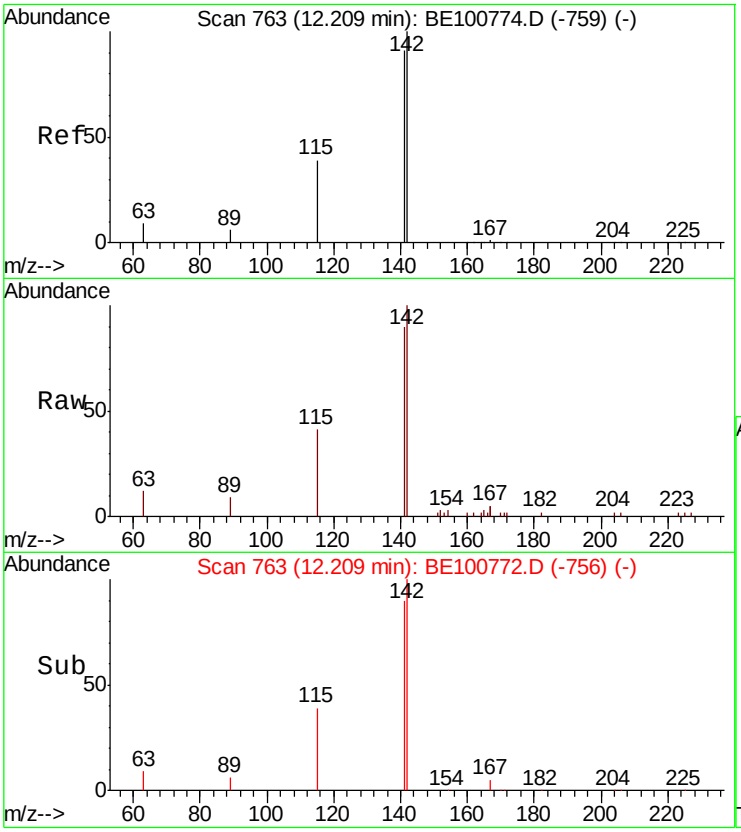


#11
2-Methylnaphthalene-d10
Concen: 0.097 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:152 Resp: 3425

Ion	Ratio	Lower	Upper
152	100		
151	21.3	15.8	23.8



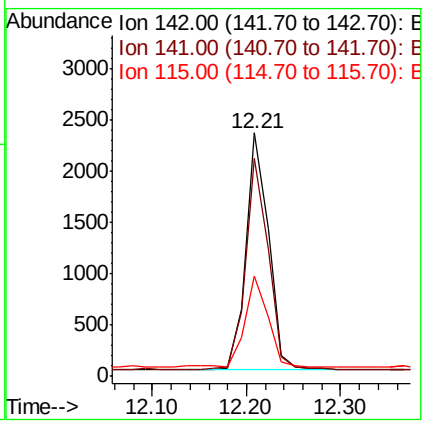


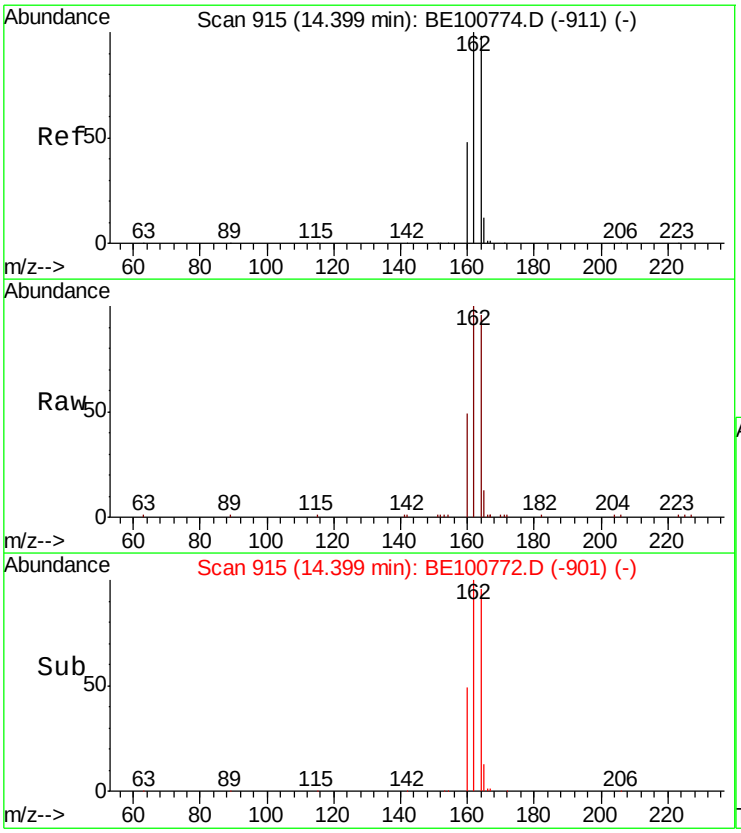
#12
2-Methylnaphthalene
Concen: 0.095 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:142 Resp: 3870

Ion	Ratio	Lower	Upper
142	100		
141	89.8	72.6	108.8
115	41.4	31.8	47.6

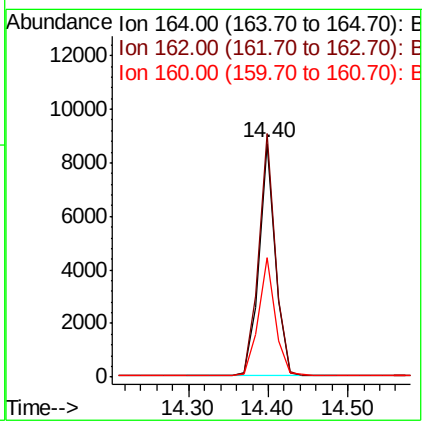


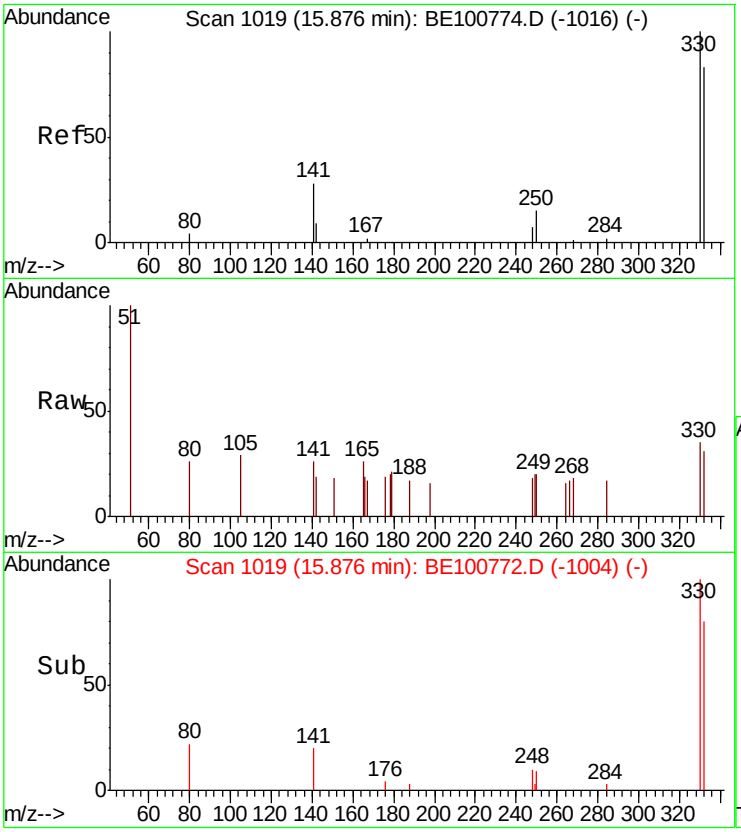


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:164 Resp: 12337

Ion	Ratio	Lower	Upper
164	100		
162	104.3	81.4	122.0
160	51.1	39.4	59.0



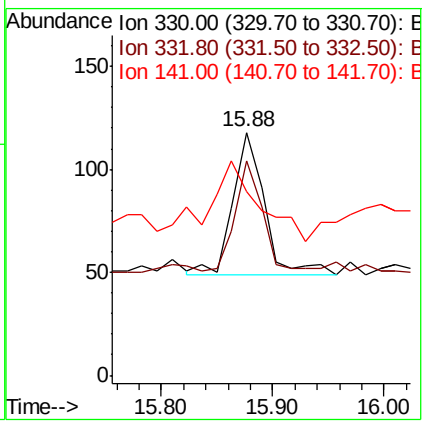


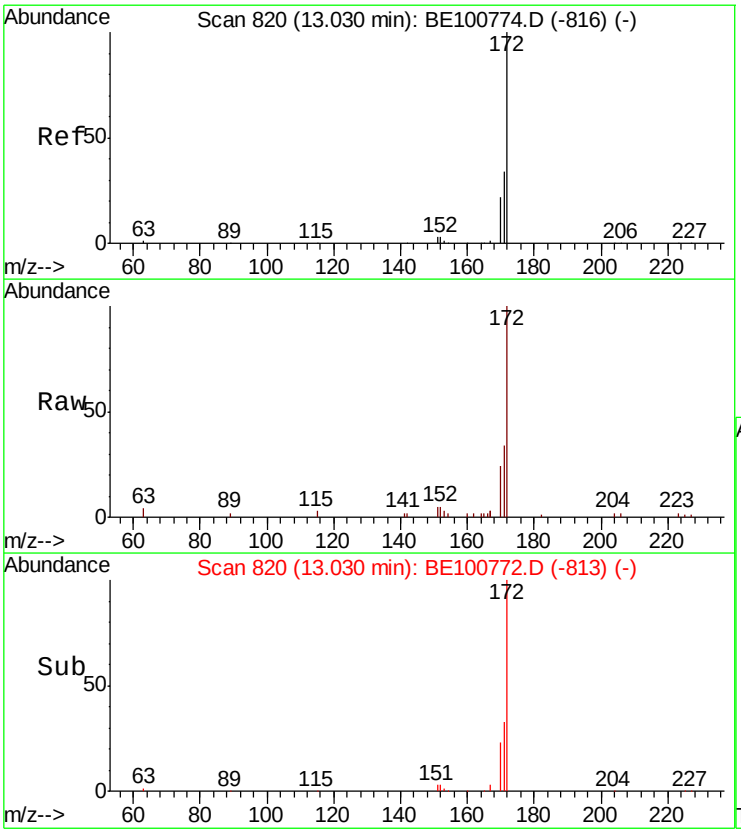
#14
2,4,6-Tribromophenol
Concen: 0.077 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:330 Resp: 134

Ion	Ratio	Lower	Upper
330	100		
332	69.4	69.4	104.2#
141	94.8	51.1	76.7#

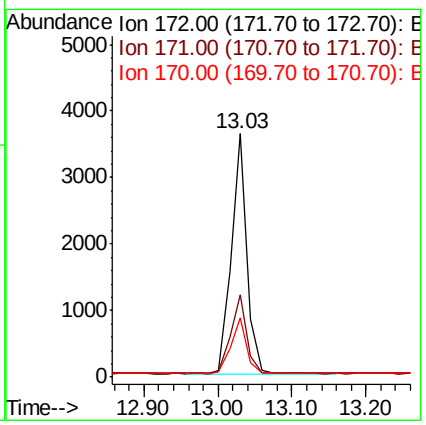


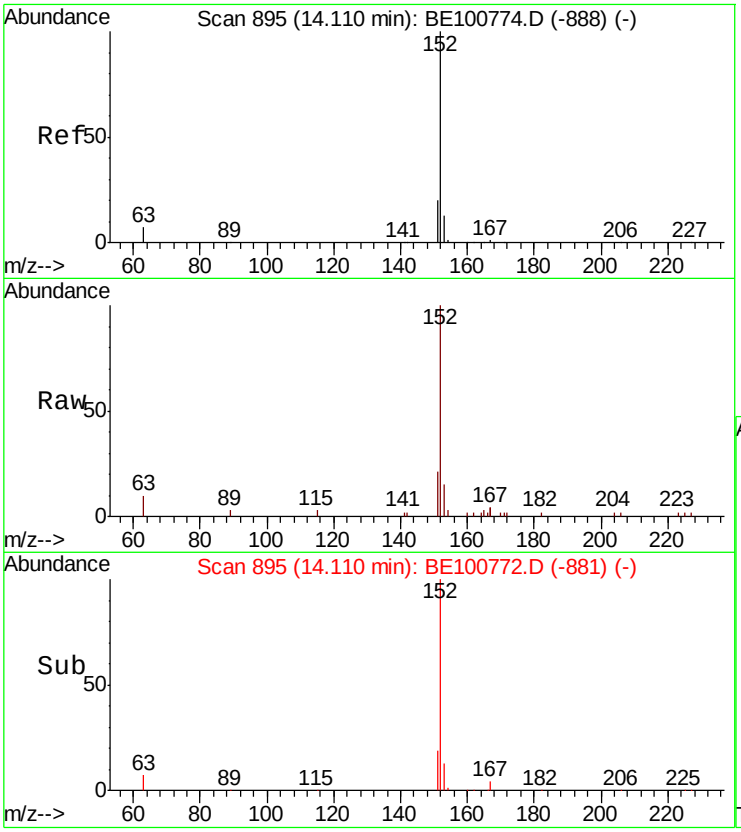


#15
2-Fluorobiphenyl
Concen: 0.110 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:172 Resp: 5280

Ion	Ratio	Lower	Upper
172	100		
171	33.6	27.2	40.8
170	24.4	18.0	27.0



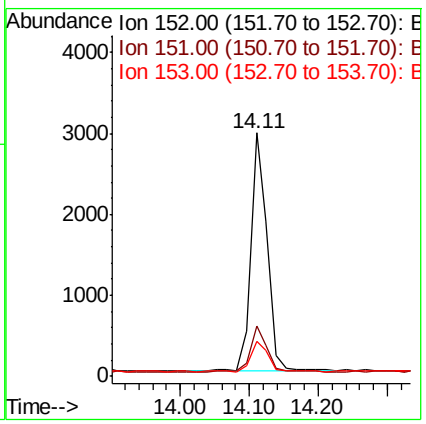


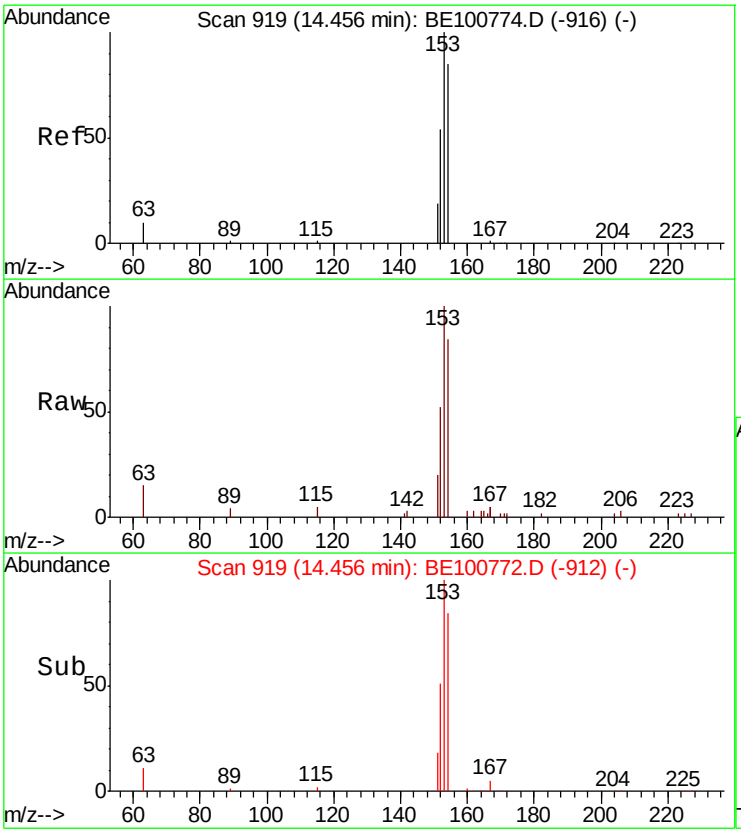
#16
Acenaphthylene
Concen: 0.092 ng
RT: 14.11 min Scan# 895
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:152 Resp: 4907

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.8	23.6
153	14.2	10.4	15.6

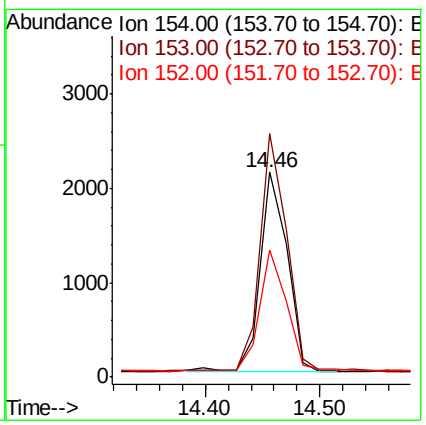


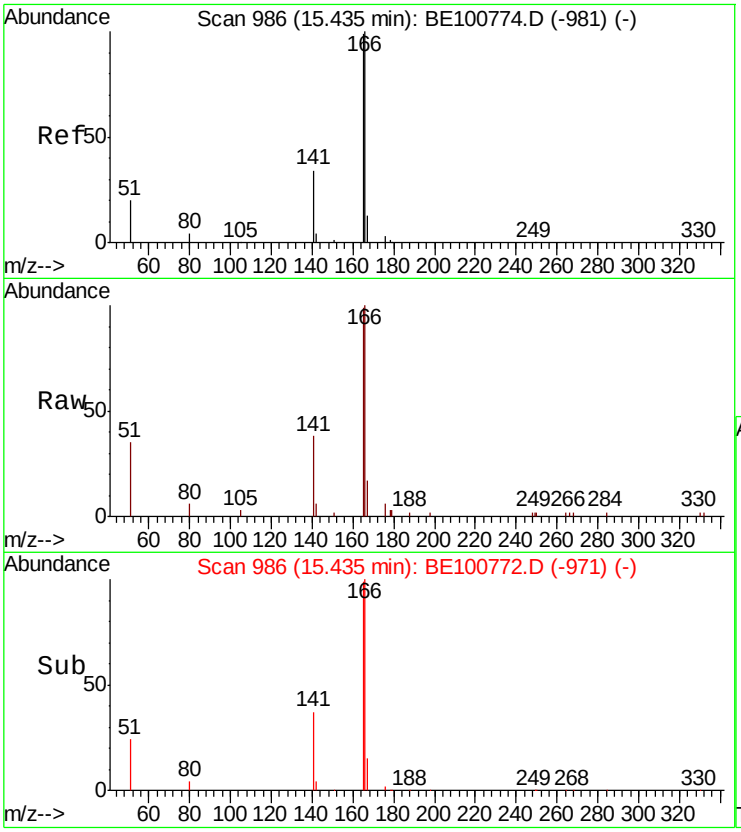


#17
Acenaphthene
Concen: 0.097 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:154 Resp: 3446

Ion	Ratio	Lower	Upper
154	100		
153	116.4	92.2	138.2
152	60.6	49.1	73.7



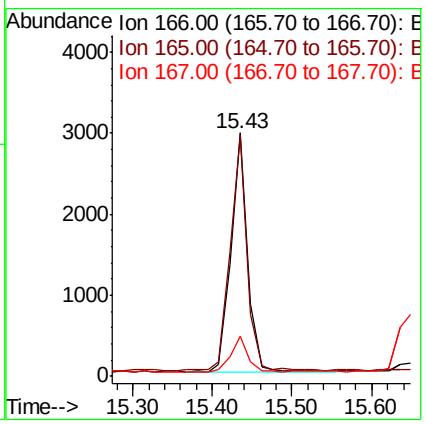


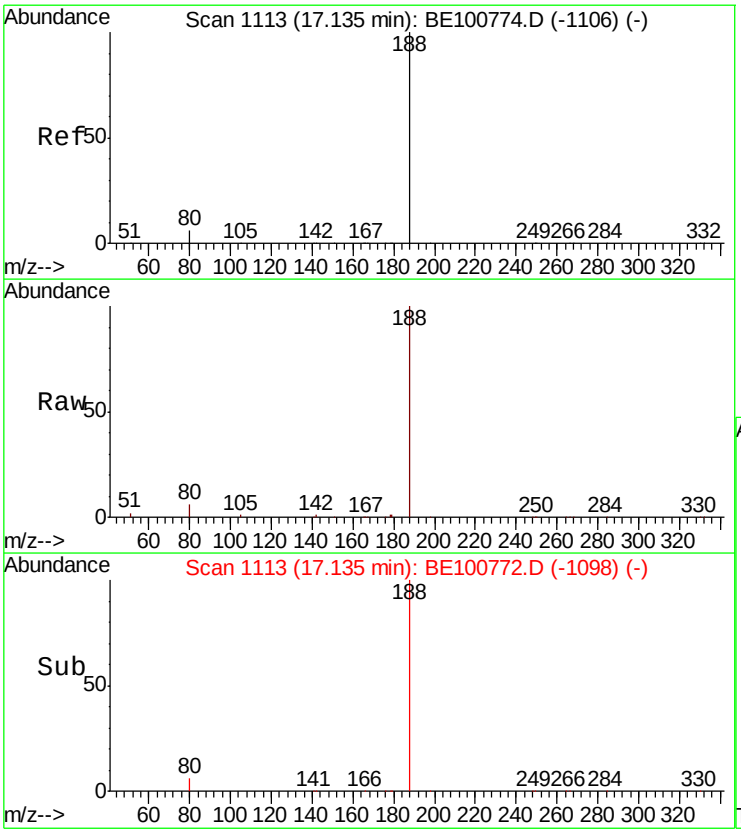
#18
Fluorene
Concen: 0.095 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:166 Resp: 4301

Ion	Ratio	Lower	Upper
166	100		
165	100.3	80.5	120.7
167	14.8	10.7	16.1

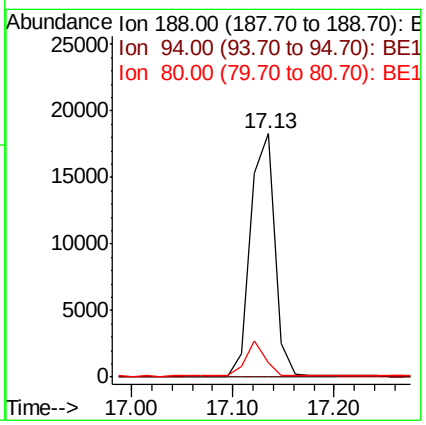


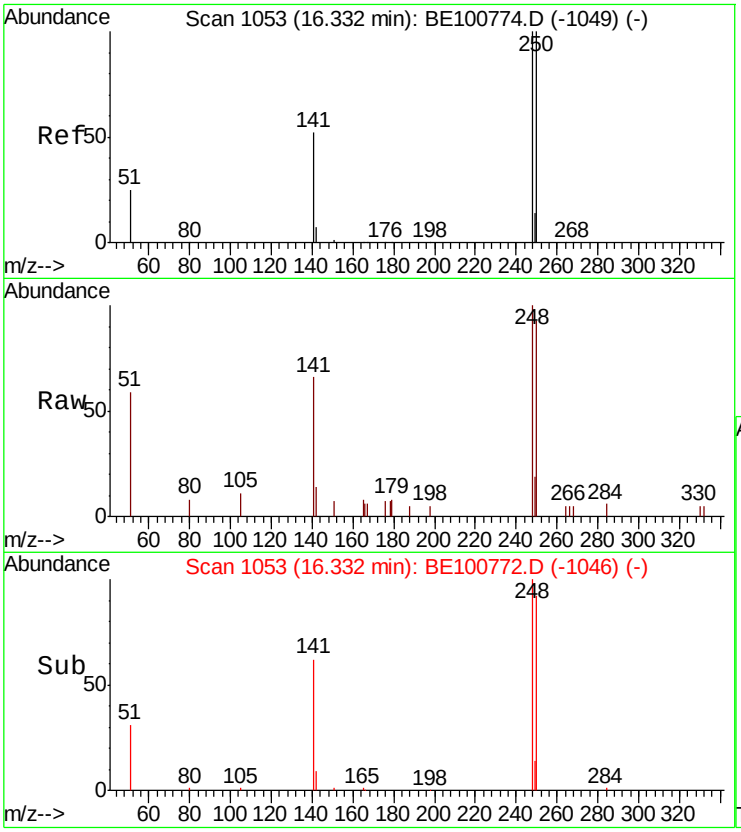


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:188 Resp: 30592

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	6.1	5.2	7.8



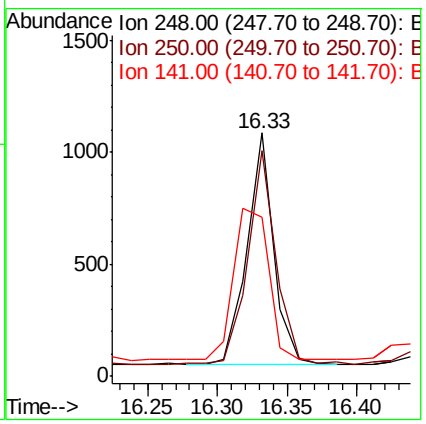


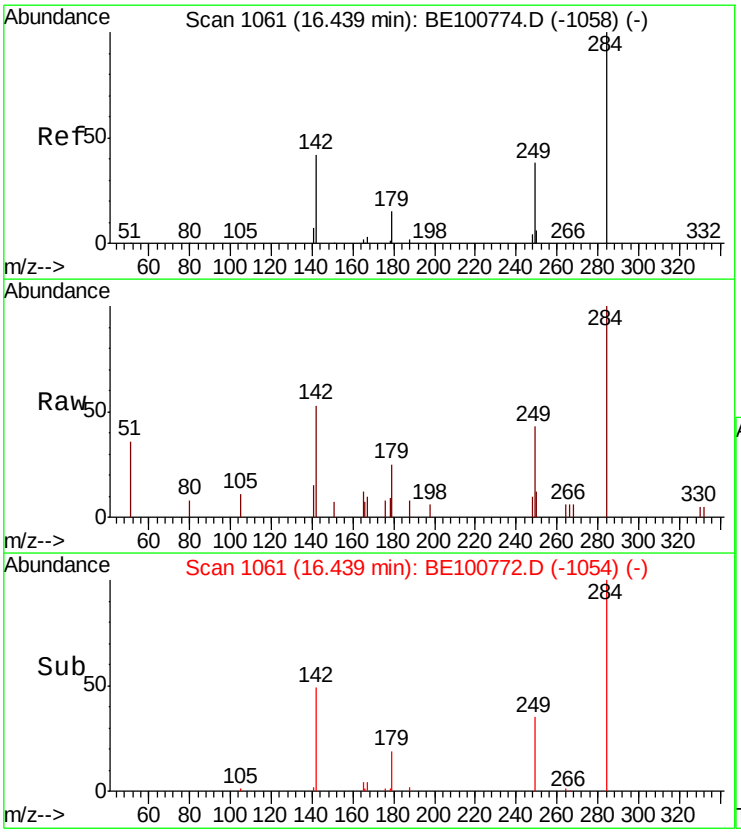
#20
4-Bromophenyl-phenylether
Concen: 0.091 ng
RT: 16.33 min Scan# 1053
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:248 Resp: 1370

Ion	Ratio	Lower	Upper
248	100		
250	92.5	80.5	120.7
141	65.5	42.6	64.0#

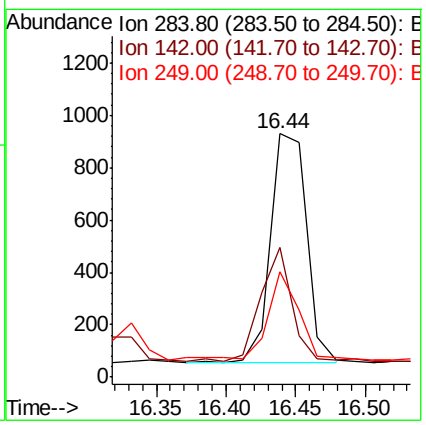


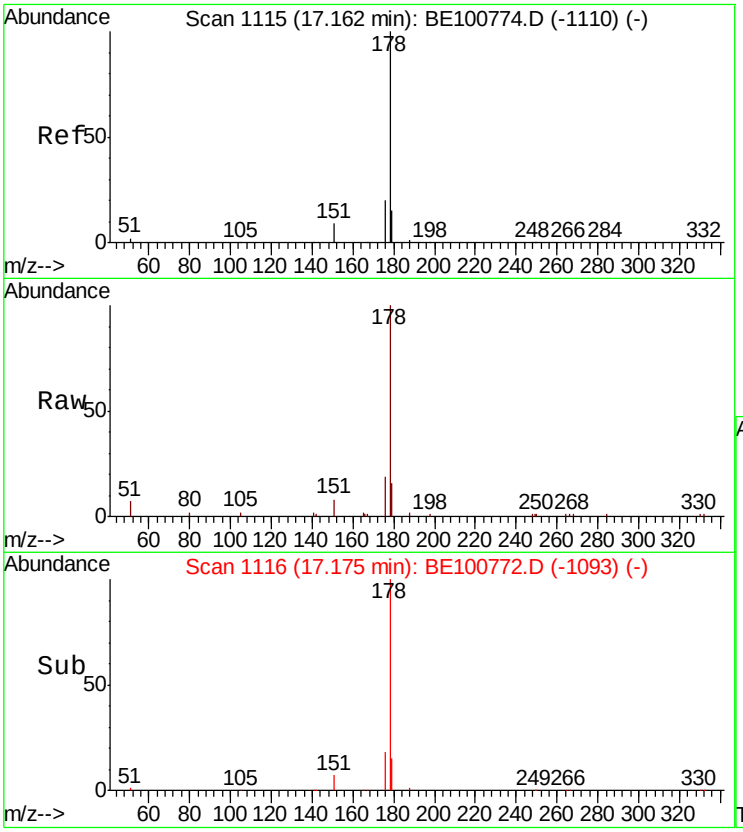


#21
Hexachlorobenzene
Concen: 0.100 ng
RT: 16.44 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:284 Resp: 1570

Ion	Ratio	Lower	Upper
284	100		
142	43.1	34.4	51.6
249	30.5	28.5	42.7



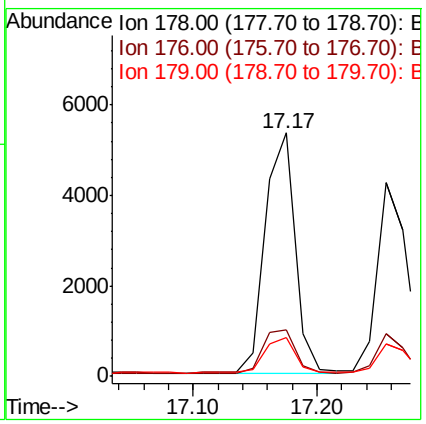


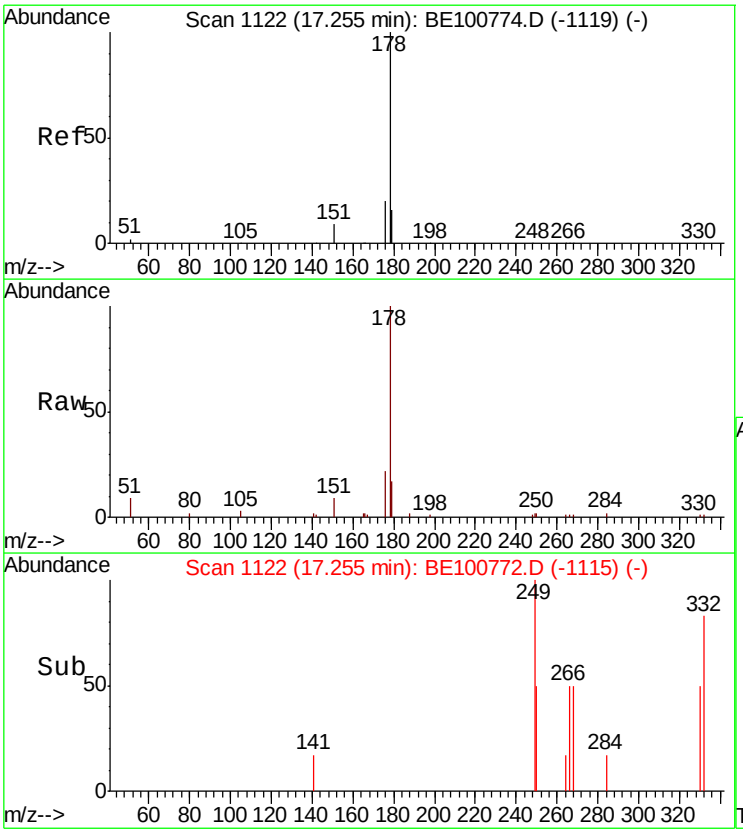
#23
Phenanthrene
Concen: 0.097 ng
RT: 17.17 min Scan# 1116
Delta R.T. 0.01 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:178 Resp: 8913

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	16.0	12.3	18.5

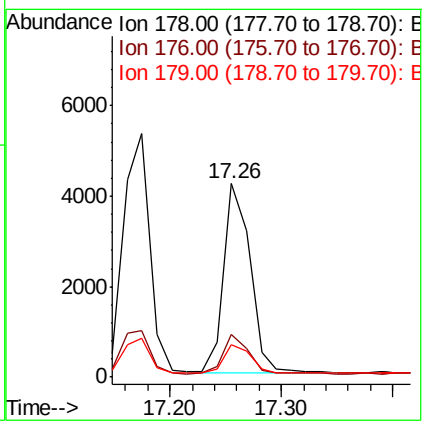


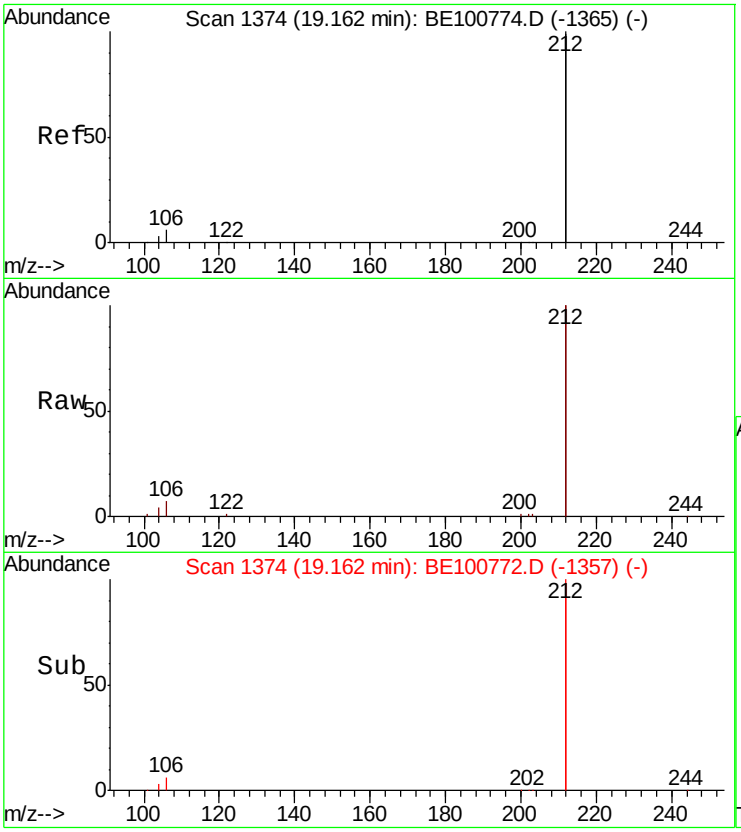


#24
Anthracene
Concen: 0.087 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:178 Resp: 6904

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	15.9	12.7	19.1



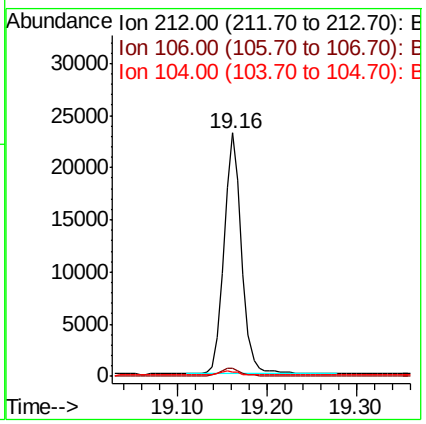


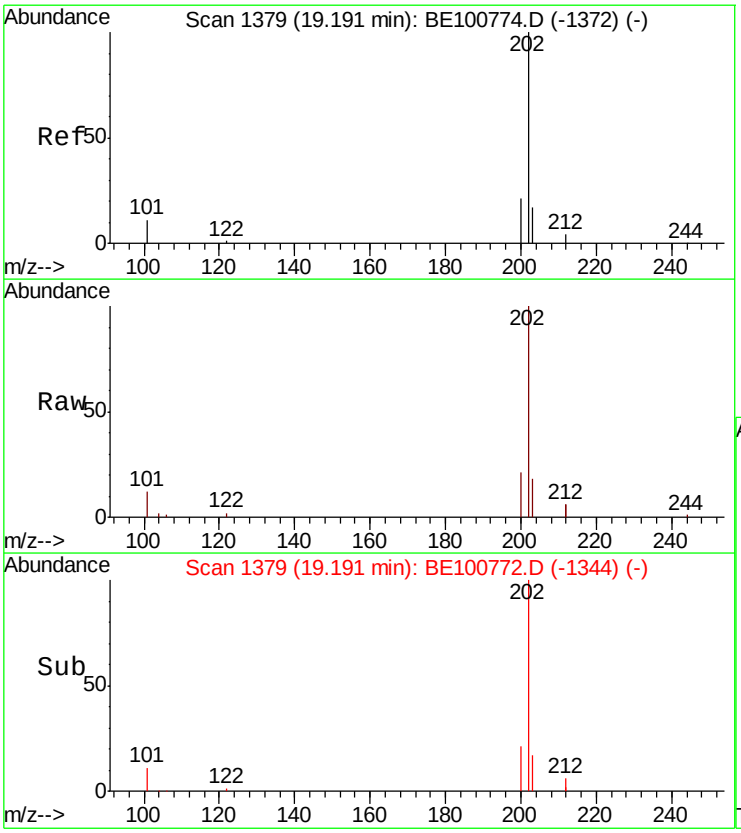
#25
Fluoranthene-d10
Concen: 0.083 ng
RT: 19.16 min Scan# 1374
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:212 Resp: 31231

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	1.8	1.4	2.2

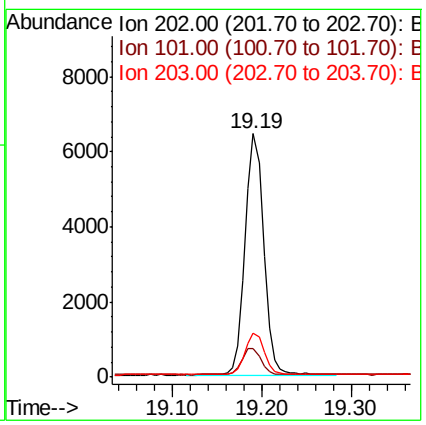


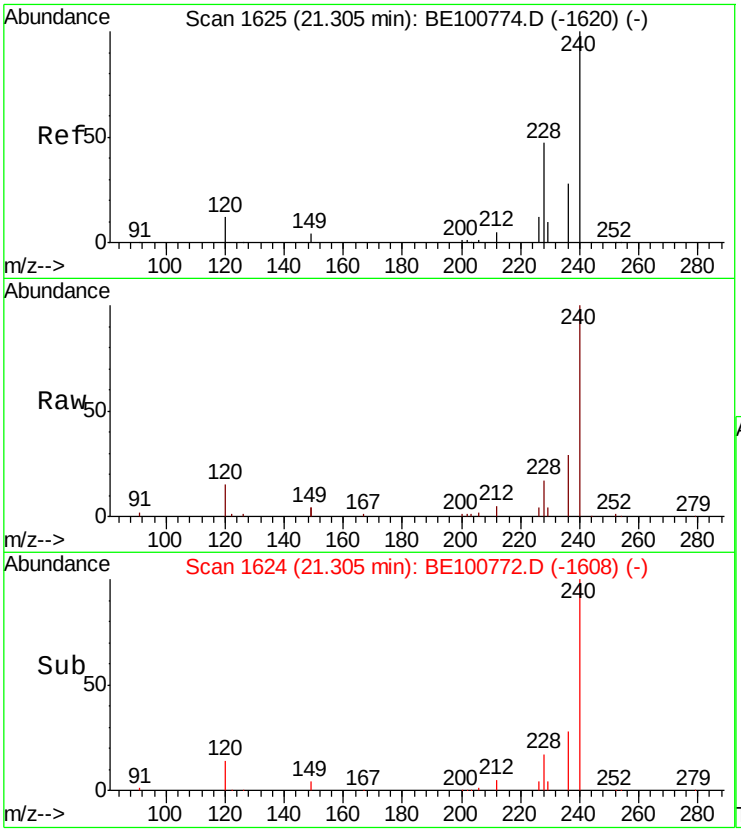


#26
Fluoranthene
Concen: 0.079 ng
RT: 19.19 min Scan# 1379
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:202 Resp: 8932

Ion	Ratio	Lower	Upper
202	100		
101	11.3	9.1	13.7
203	17.1	13.8	20.6



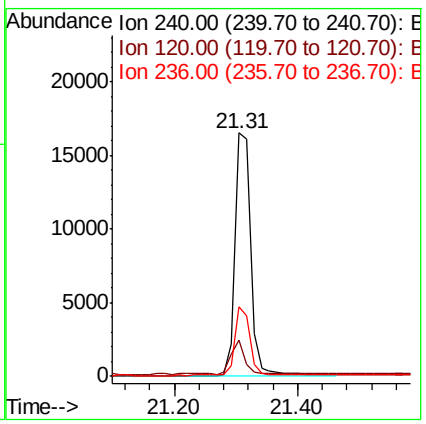


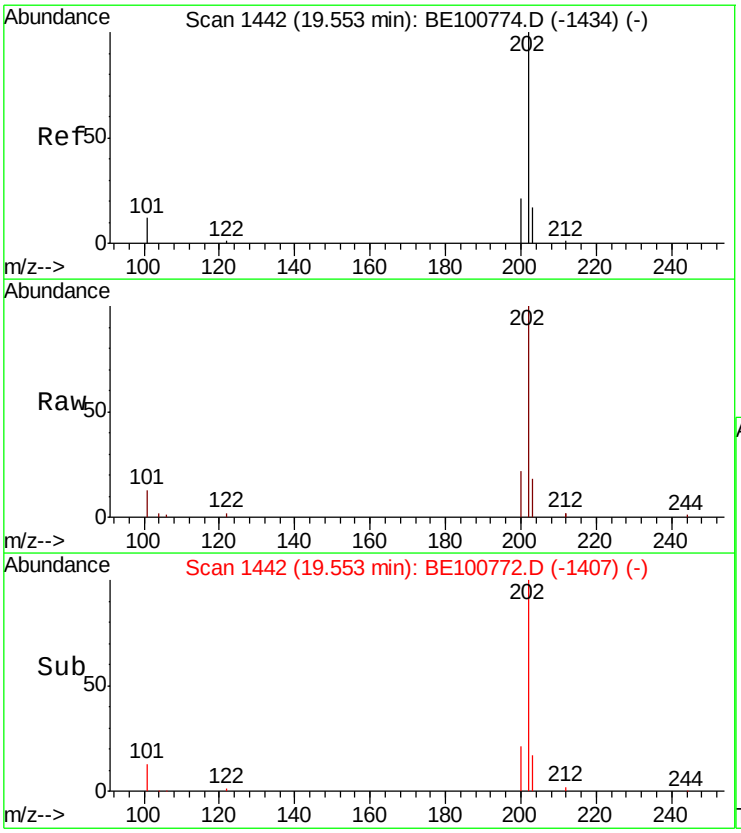
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.31 min Scan# 1624
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:240 Resp: 28463

Ion	Ratio	Lower	Upper
240	100		
120	15.0	10.2	15.2
236	28.6	22.3	33.5

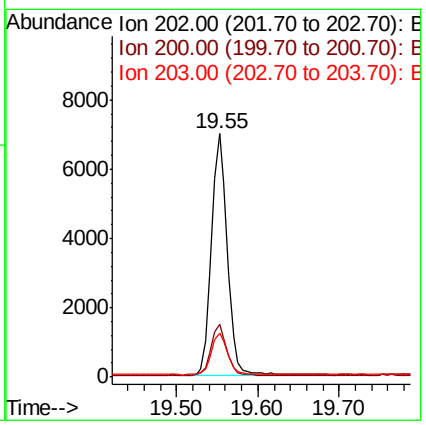


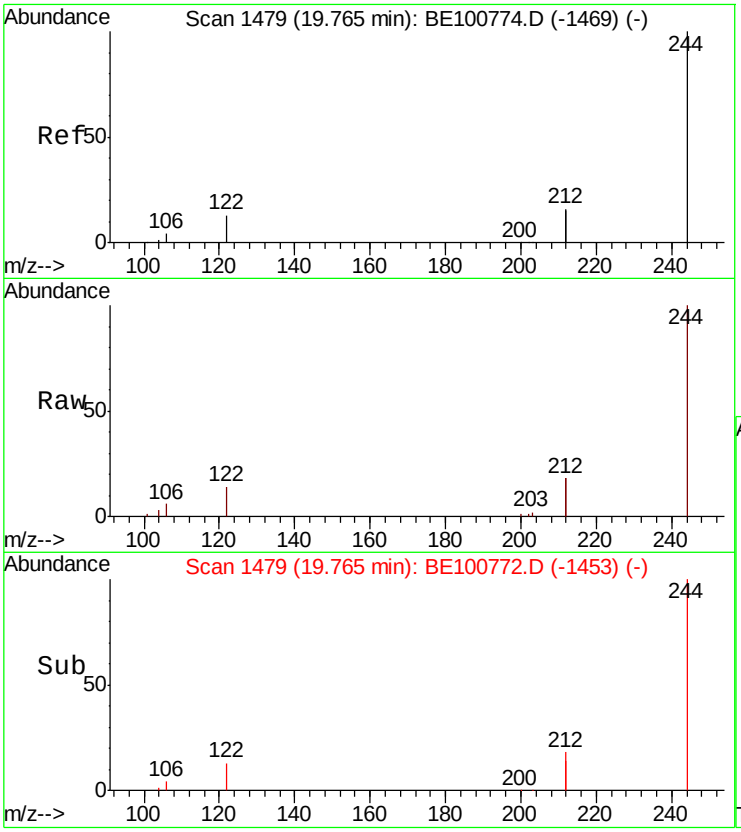


#28
Pyrene
Concen: 0.107 ng
RT: 19.55 min Scan# 1442
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:202 Resp: 9453

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.4
203	18.0	13.9	20.9



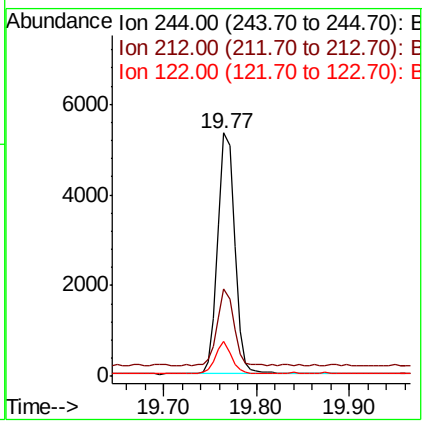


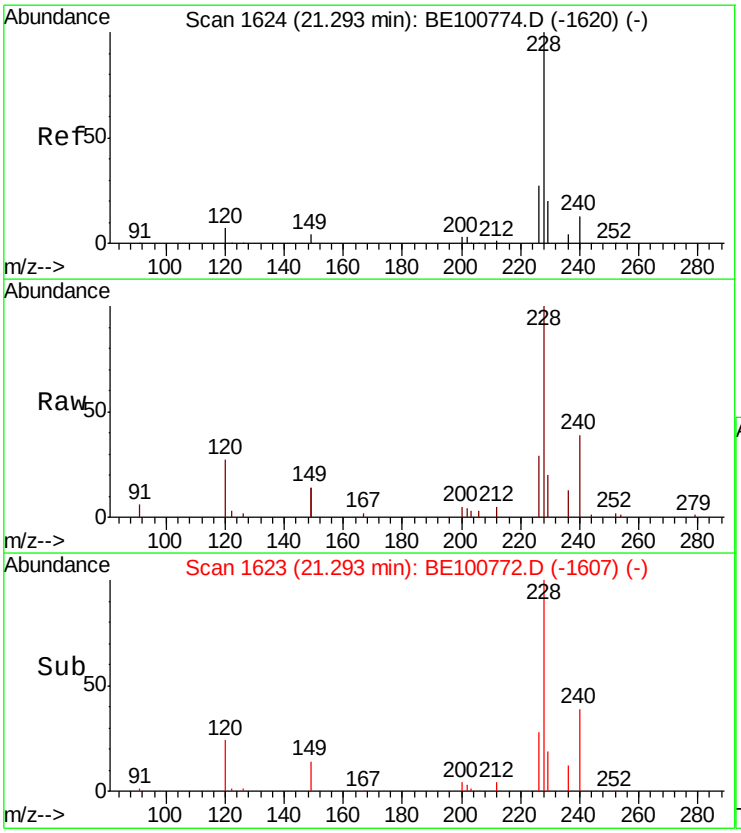
#29
Terphenyl-d14
Concen: 0.103 ng
RT: 19.77 min Scan# 1479
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:244 Resp: 6751

Ion	Ratio	Lower	Upper
244	100		
212	36.1	26.2	39.4
122	14.2	10.2	15.4

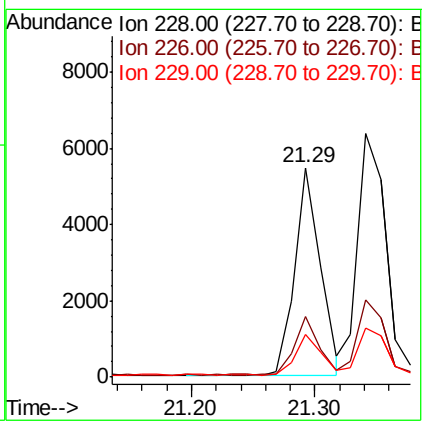


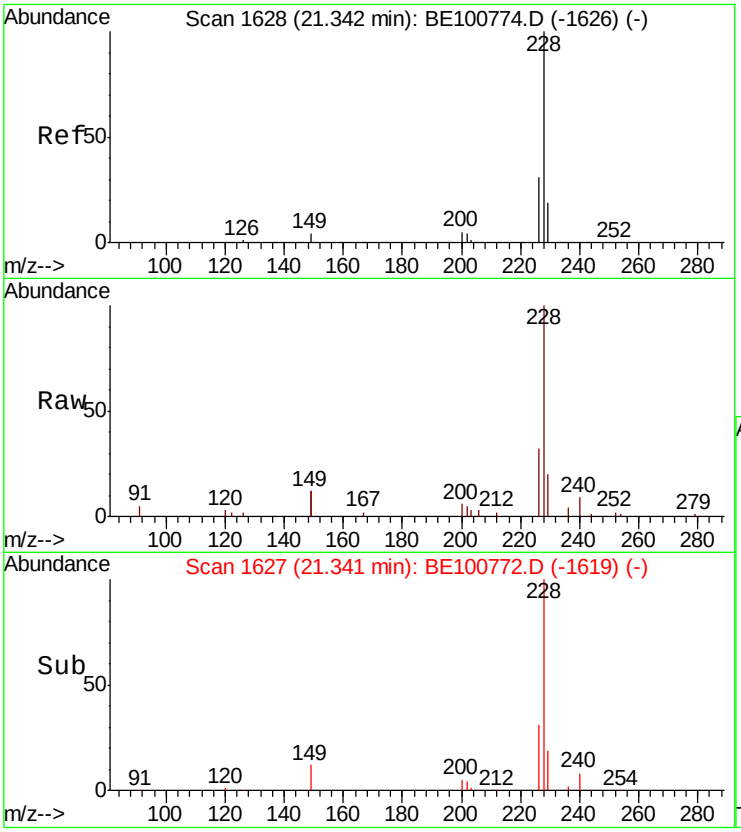


#30
Benzo(a)anthracene
Concen: 0.082 ng
RT: 21.29 min Scan# 1623
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:228 Resp: 7837

Ion	Ratio	Lower	Upper
228	100		
226	29.1	21.5	32.3
229	20.3	16.0	24.0



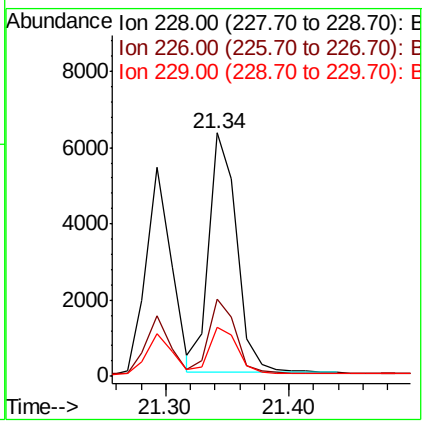


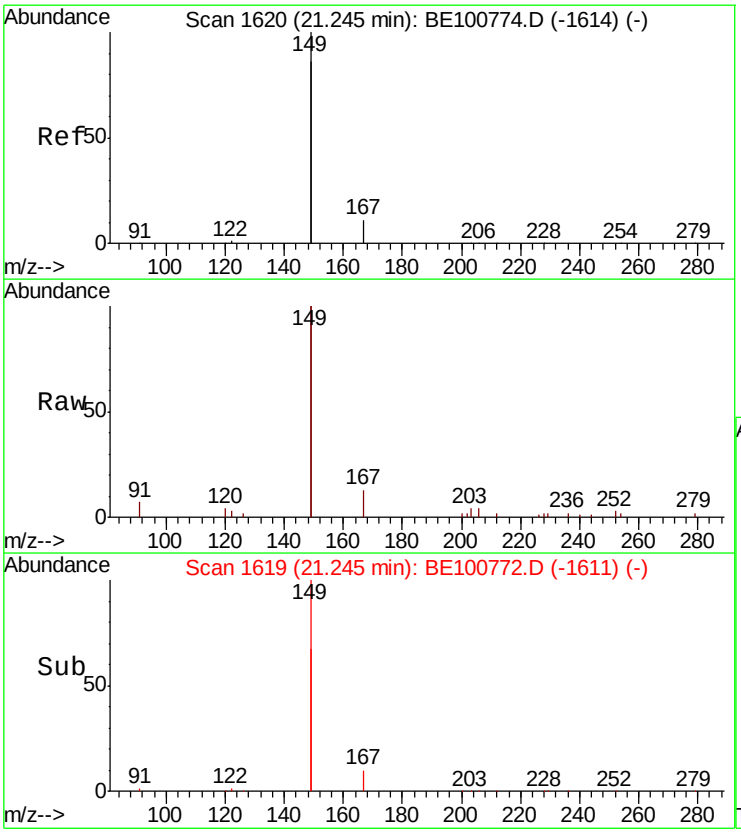
#31
Chrysene
Concen: 0.101 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:228 Resp: 9896

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.4
229	20.2	15.4	23.2

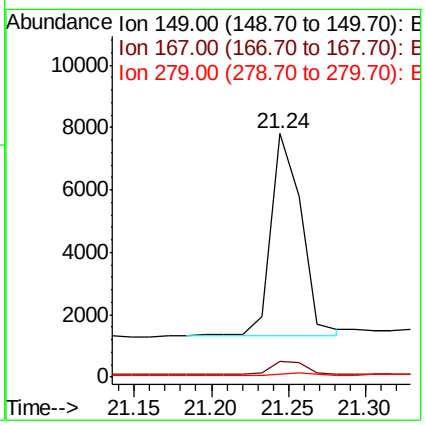


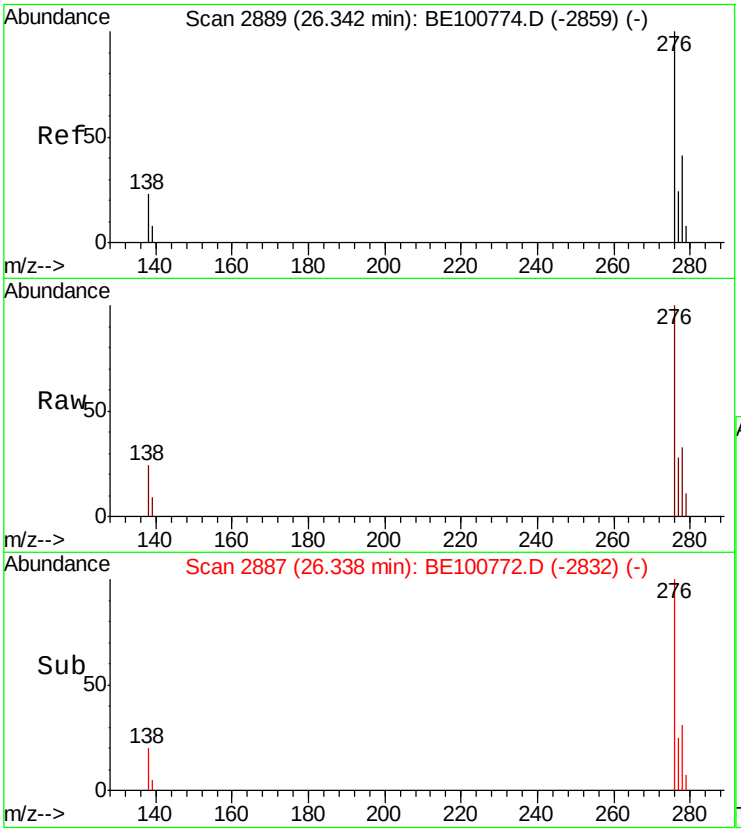


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.052 ng
RT: 21.24 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:149 Resp: 8970

Ion	Ratio	Lower	Upper
149	100		
167	6.7	5.0	7.6
279	1.0	0.7	1.1



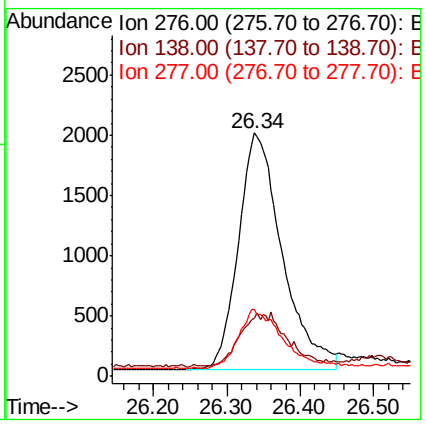


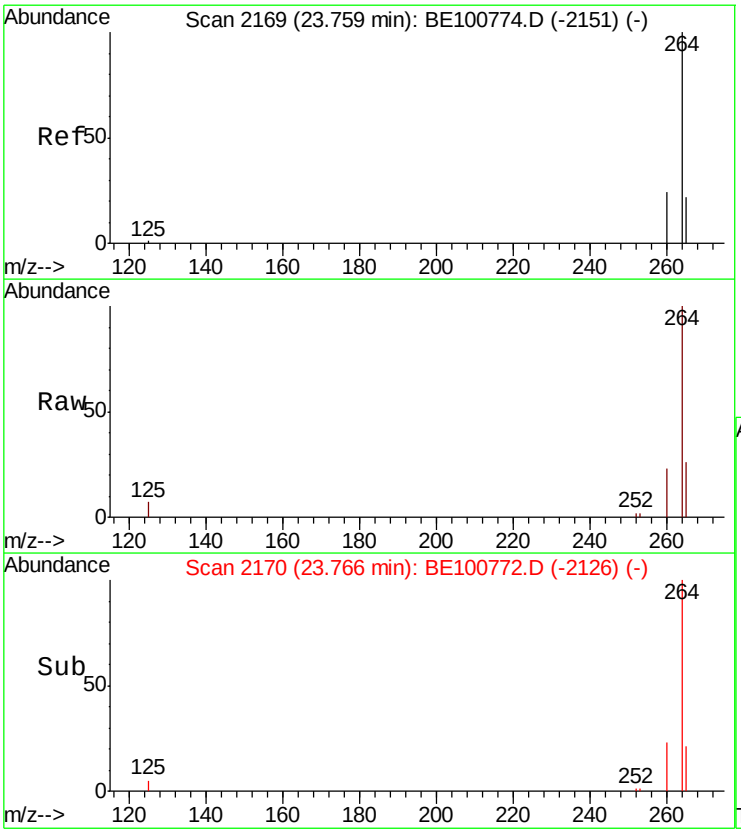
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.079 ng
RT: 26.34 min Scan# 2887
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 8089

Ion	Ratio	Lower	Upper
276	100		
138	10.6	19.4	29.0#
277	25.0	19.8	29.6

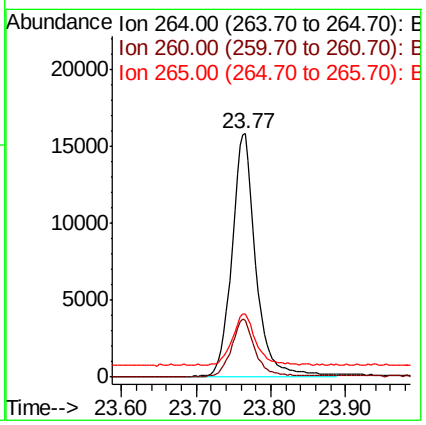


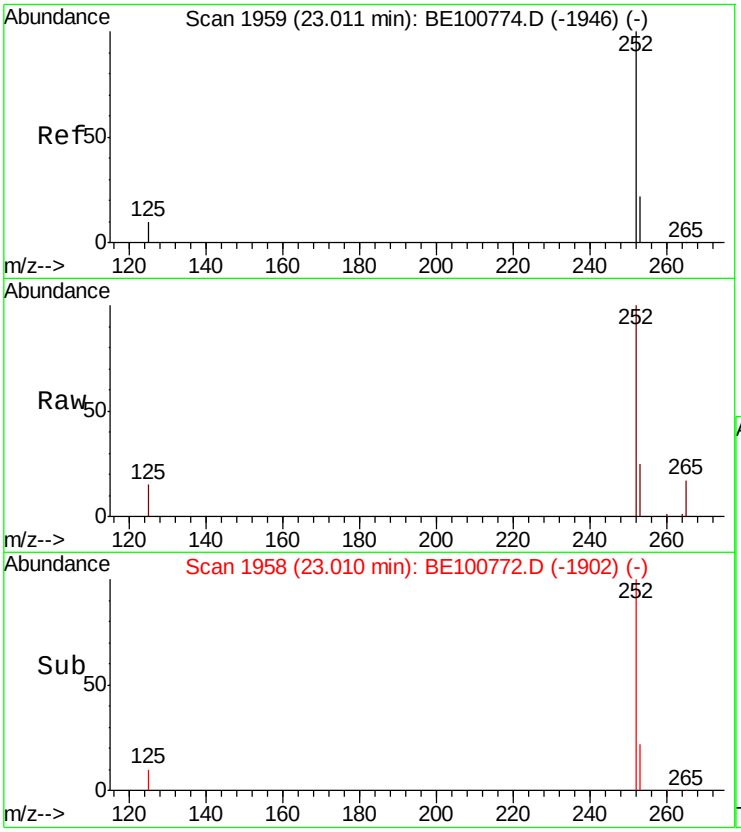


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.77 min Scan# 2170
Delta R.T. 0.01 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:264 Resp: 34865

Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	25.9	21.8	32.8



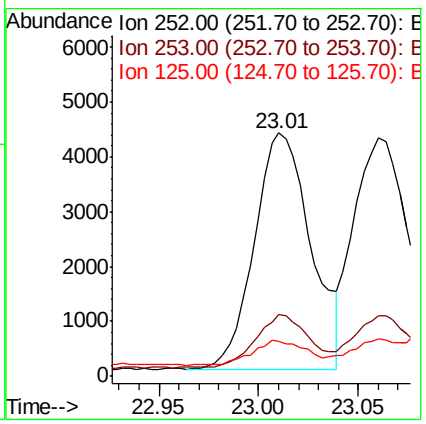


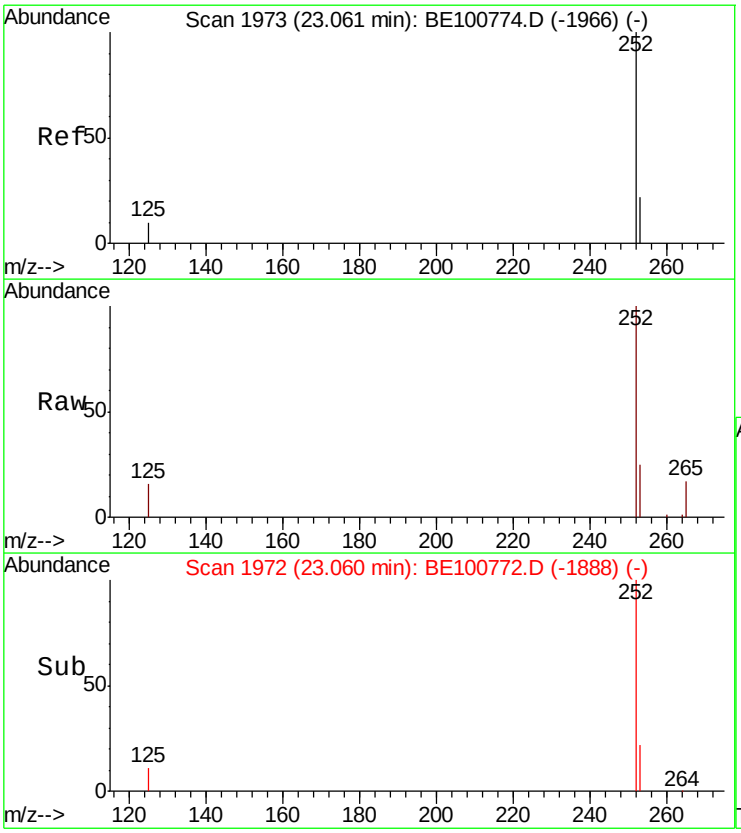
#35
Benzo(b)fluoranthene
Concen: 0.078 ng
RT: 23.01 min Scan# 1958
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 8513

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.8	26.8
125	14.6	9.0	13.4#

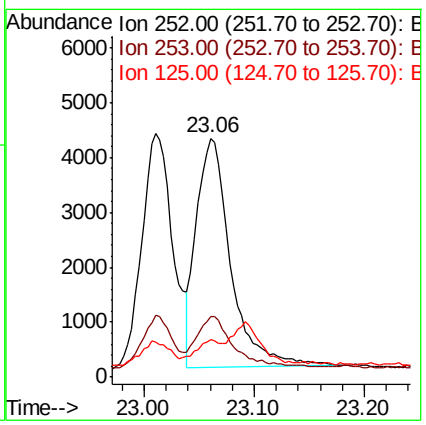


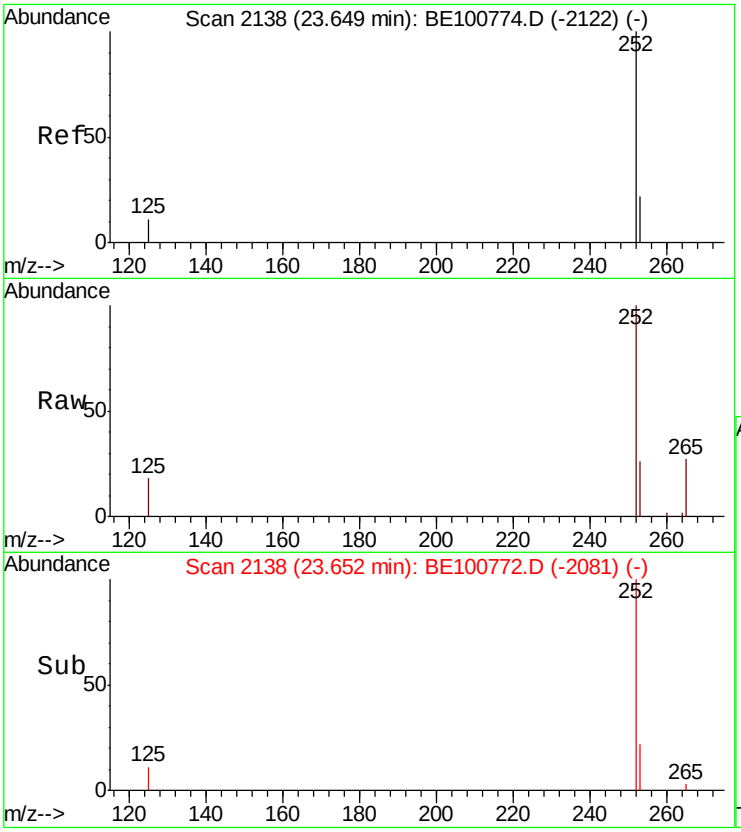


#36
Benzo(k)fluoranthene
Concen: 0.079 ng
RT: 23.06 min Scan# 1972
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:252 Resp: 8979

Ion	Ratio	Lower	Upper
252	100		
253	25.2	17.8	26.8
125	15.6	8.7	13.1#



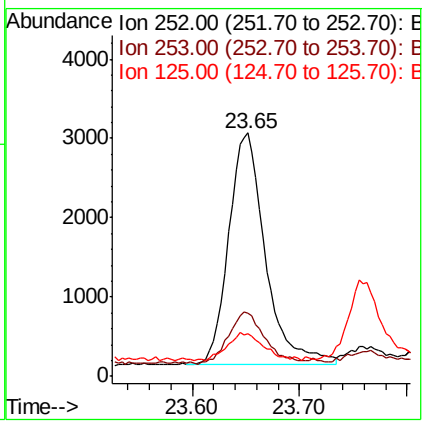


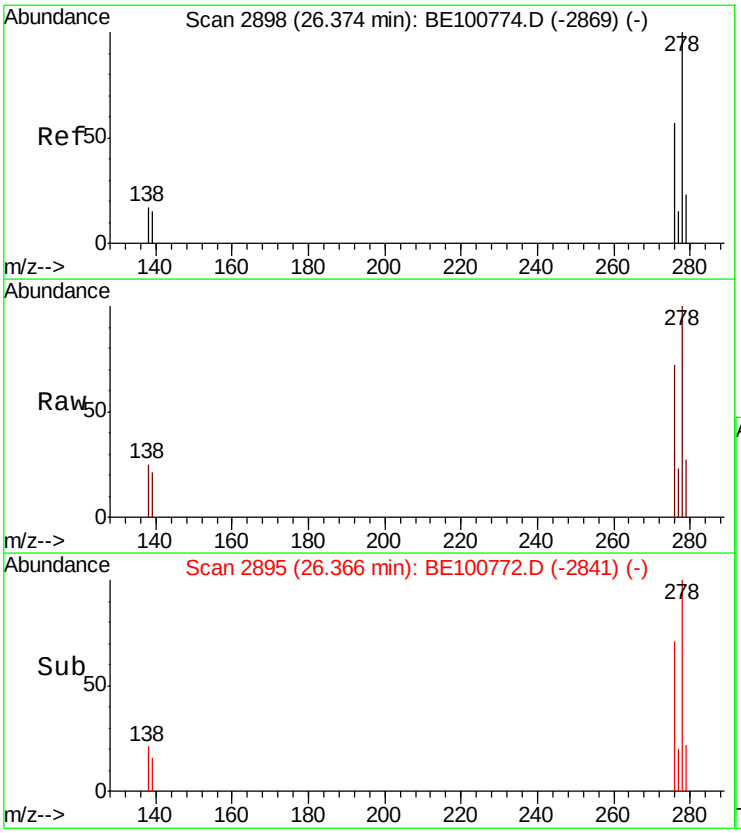
#37
Benzo(a)pyrene
Concen: 0.072 ng
RT: 23.65 min Scan# 2138
Delta R.T. 0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:252 Resp: 6905

Ion	Ratio	Lower	Upper
252	100		
253	26.1	18.2	27.4
125	17.6	10.4	15.6#

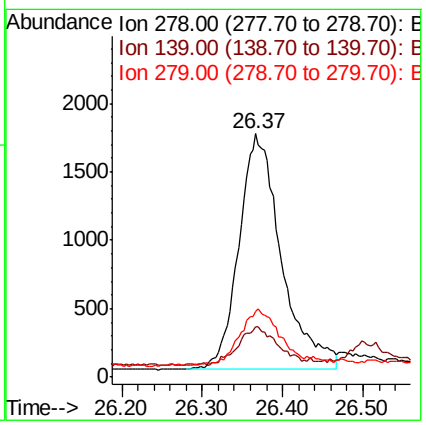


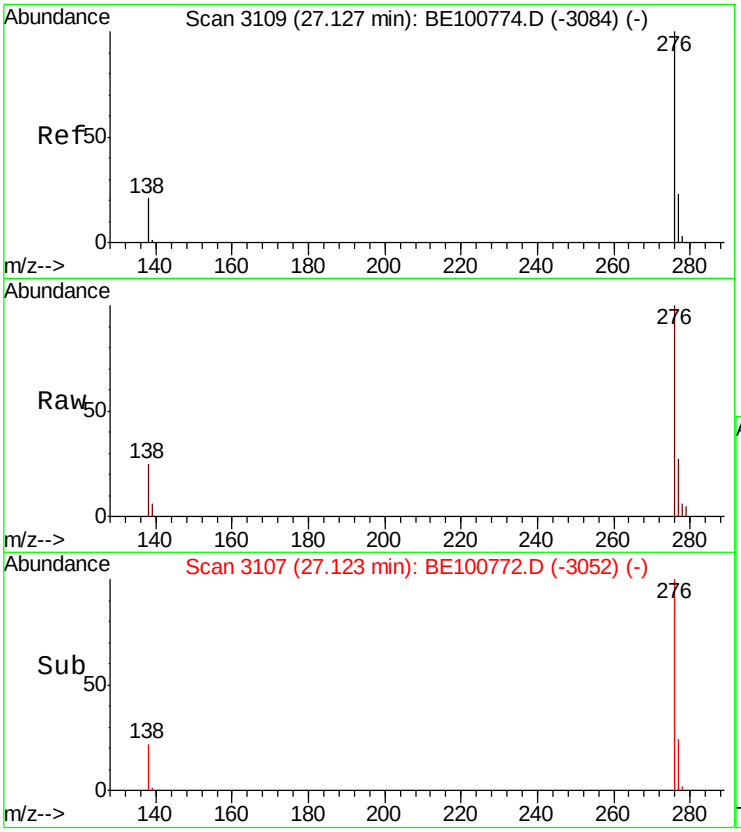


#38
Dibenzo(a,h)anthracene
Concen: 0.062 ng
RT: 26.37 min Scan# 2895
Delta R.T. -0.01 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Tgt Ion:278 Resp: 6295

Ion	Ratio	Lower	Upper
278	100		
139	20.5	13.0	19.4#
279	27.2	19.6	29.4





#39
Benzo(g,h,i)perylene
Concen: 0.074 ng
RT: 27.12 min Scan# 3107
Delta R.T. -0.00 min
Lab File: BE100772.D
Acq: 4 Dec 2019 12:37

Instrument :
BNA_E
ClientSampleId :
SSTDICC0.1

Tgt Ion:276 Resp: 7813

Ion	Ratio	Lower	Upper
276	100		
277	26.7	19.3	28.9
138	25.0	17.8	26.6