Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE112219\
Data File : BE100756.D
Acq On : 22 Nov 2019 13:14
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Nov 22 14:42:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 06:40:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	5286	0.40	ng		0.00
7) Naphthalene-d8	10.55	136	22775	0.40	ng		0.00
13) Acenaphthene-d10	14.40	164	12183	0.40	ng		0.00
19) Phenanthrene-d10	17.13	188	26871	0.40	ng		0.00
27) Chrysene-d12	21.32	240	29492	0.40	ng		0.00
34) Perylene-d12	23.77	264	27870	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	5458	0.38	ng		0.00
5) Phenol-d6	6.93	99	7960	0.38	ng		0.00
8) Nitrobenzene-d5	8.90	82	3823	0.52	ng		0.00
11) 2-Methylnaphthalene-d10	12.14	152	12862	0.39	ng		0.00
14) 2,4,6-Tribromophenol	15.88	330	704	0.41	ng		0.00
15) 2-Fluorobiphenyl	13.03	172	19517	0.41	ng		0.00
25) Fluoranthene-d10	19.17	212	121606	0.37	ng		0.00
29) Terphenyl-d14	19.78	244	27071	0.40	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	4341	0.438	ng	#	84
3) n-Nitrosodimethylamine	3.66	42	2707	0.463	ng	#	65
6) bis(2-Chloroethyl)ether	7.19	93	6752	0.390	ng		95
9) Naphthalene	10.59	128	96733	0.400	ng		100
10) Hexachlorobutadiene	10.90	225	3837	0.413	ng		98
12) 2-Methylnaphthalene	12.22	142	14936	0.391	ng		99
16) Acenaphthylene	14.13	152	18512	0.353	ng		99
17) Acenaphthene	14.47	154	13542	0.385	ng		100
18) Fluorene	15.43	166	16917	0.377	ng		99
20) 4-Bromophenyl-phenylether	16.34	248	5121	0.387	ng	#	56
21) Hexachlorobenzene	16.45	284	5519	0.400	ng		98
22) Pentachlorophenol	16.79	266	885	0.473	ng		97
23) Phenanthrene	17.17	178	32195	0.398	ng		99
24) Anthracene	17.27	178	25727	0.369	ng		100
26) Fluoranthene	19.20	202	36821	0.372	ng		100
28) Pyrene	19.56	202	36274	0.397	ng		100
30) Benzo(a)anthracene	21.29	228	37673	0.379	ng		95
31) Chrysene	21.35	228	40497	0.400	ng		99
32) Bis(2-ethylhexyl)phthalate	21.26	149	35984	0.244	ng		99
33) Indeno(1,2,3-cd)pyrene	26.35	276	32823	0.355	ng		99
35) Benzo(b)fluoranthene	23.02	252	32887	0.376	ng		99
36) Benzo(k)fluoranthene	23.07	252	35108	0.385	ng		99
37) Benzo(a)pyrene	23.66	252	27459	0.356	ng		99
38) Dibenzo(a,h)anthracene	26.38	278	27221	0.336	ng		99
39) Benzo(g,h,i)perylene	27.14	276	29551	0.384	ng		98

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

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Acq On : 22 Nov 2019 13:14
Operator : JU
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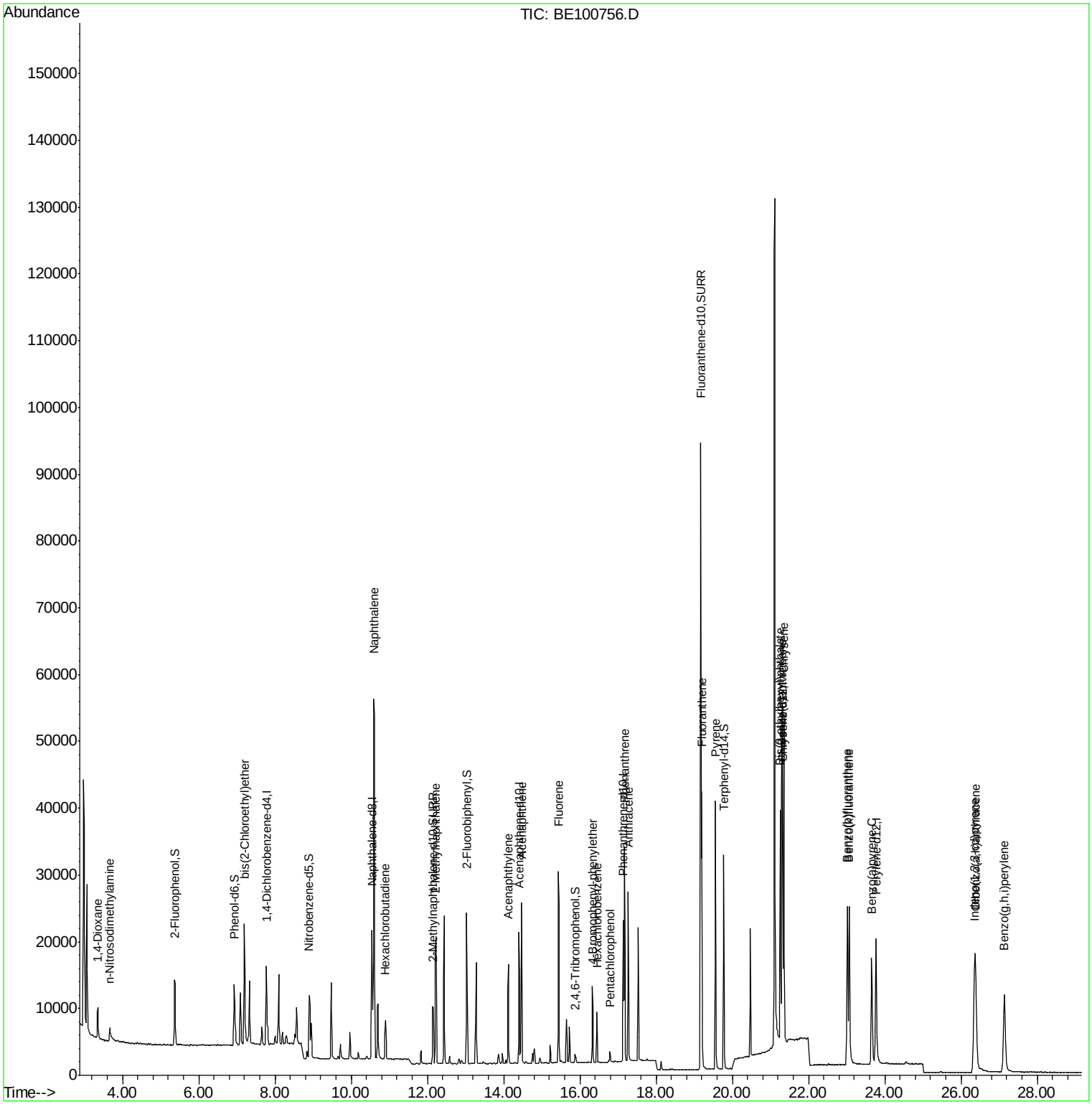
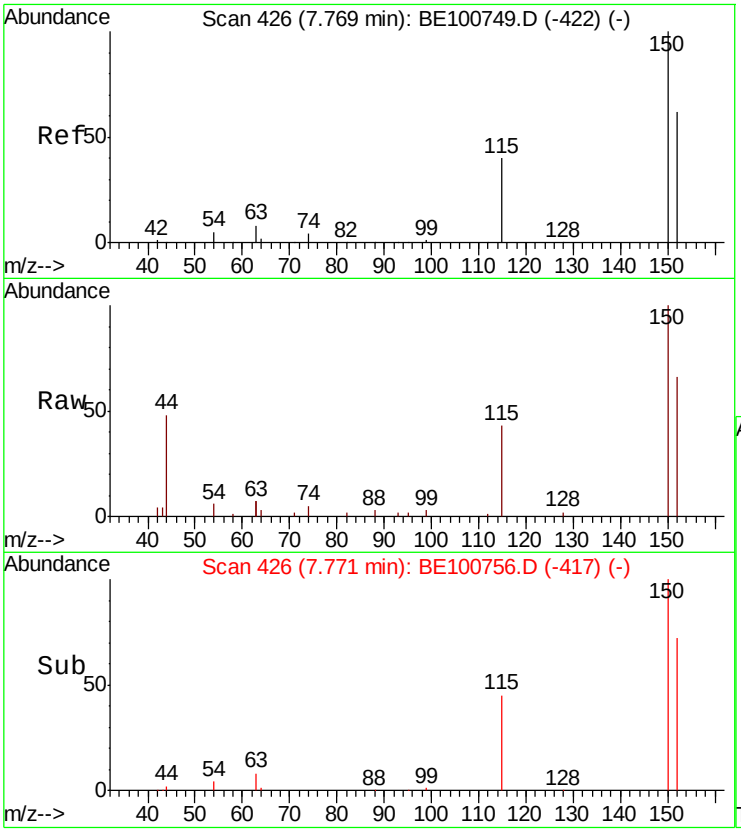
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Nov 22 14:42:40 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE112119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 22 06:40:44 2019
Response via : Initial Calibration



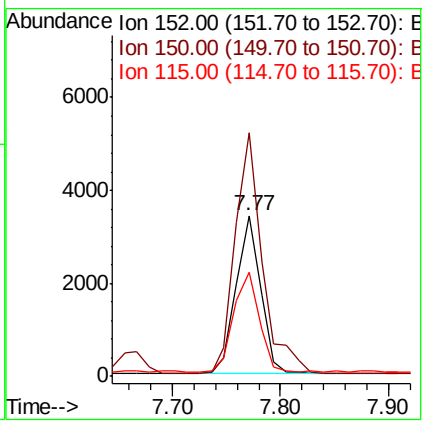


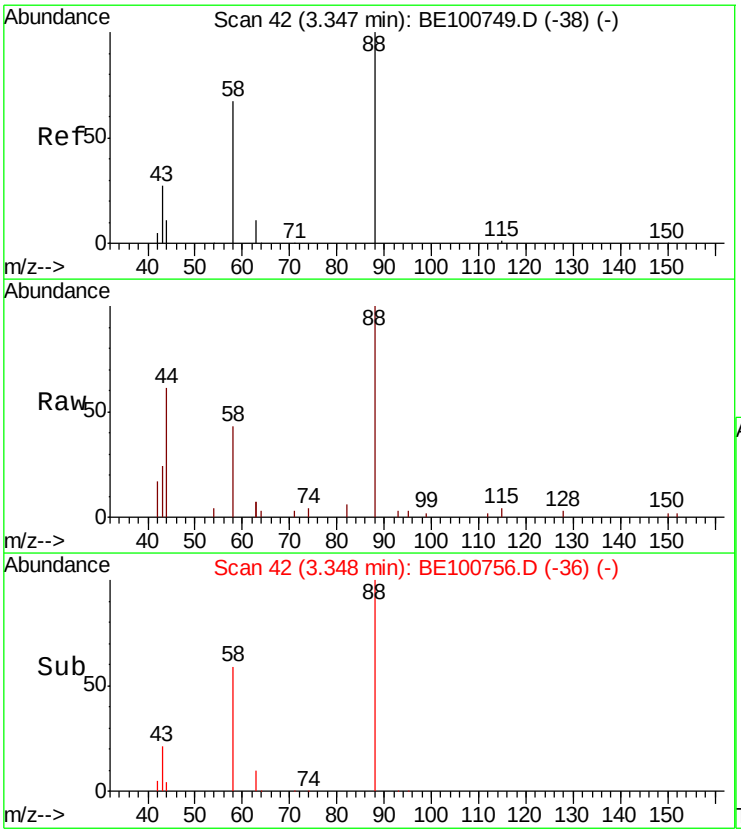
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.77 min Scan# 426
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 5286

Ion	Ratio	Lower	Upper
152	100		
150	151.7	127.1	190.7
115	65.0	53.0	79.4

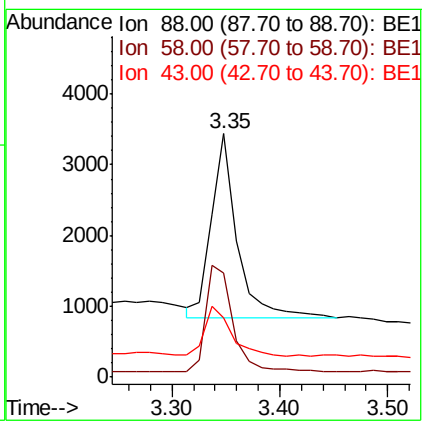


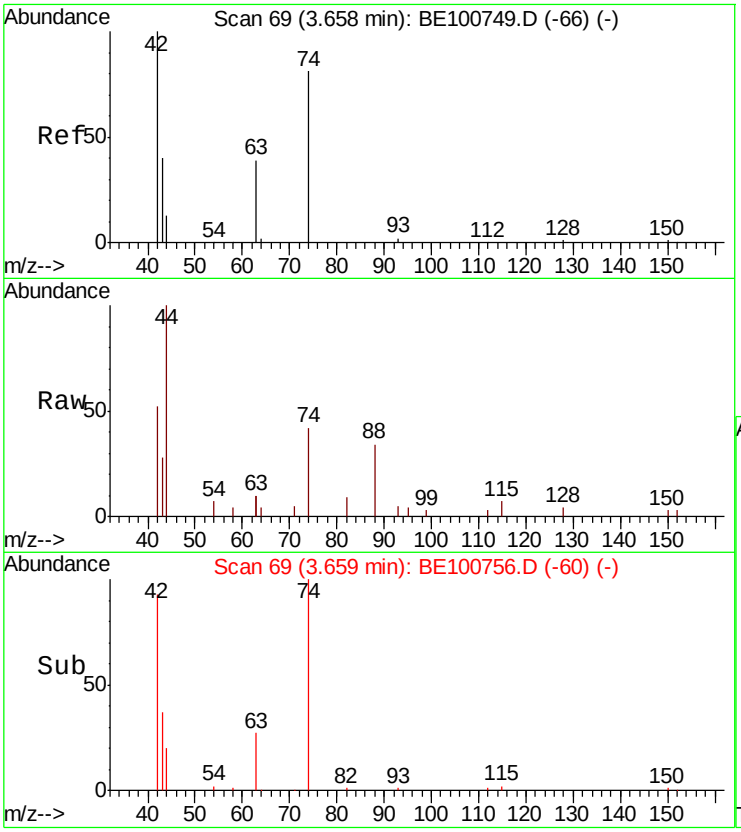


#2
1,4-Dioxane
Concen: 0.438 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion: 88 Resp: 4341

Ion	Ratio	Lower	Upper
88	100		
58	60.1	60.7	91.1#
43	28.7	27.4	41.2



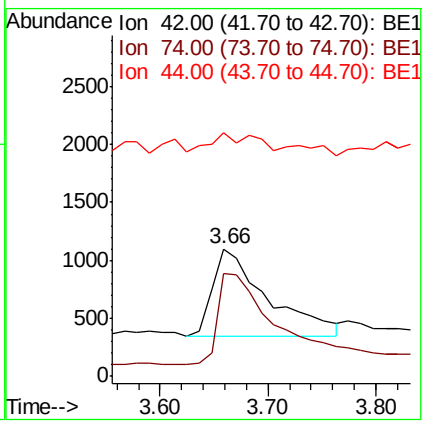


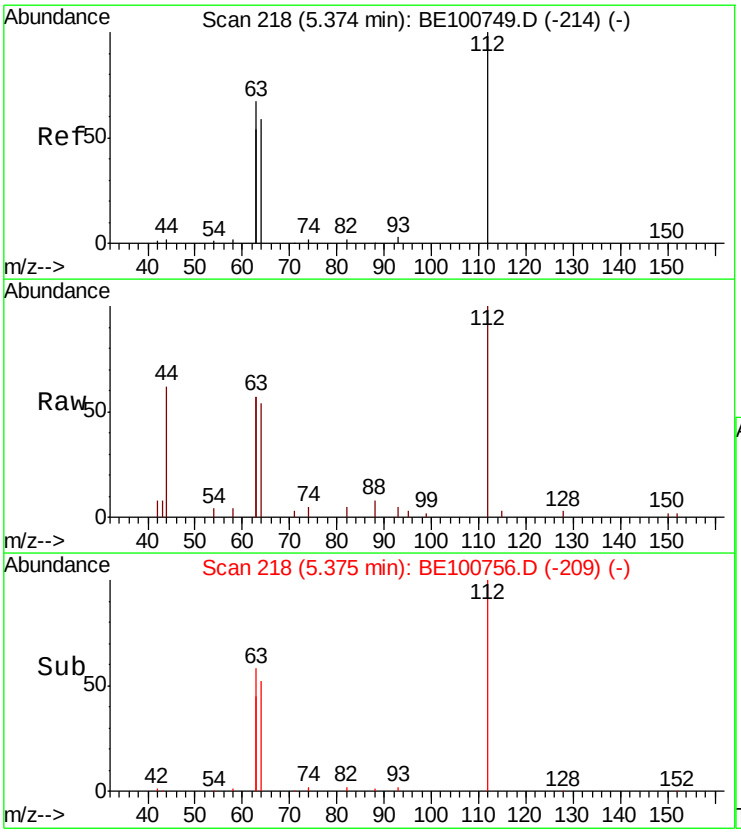
#3
n-Nitrosodimethylamine
Concen: 0.463 ng
RT: 3.66 min Scan# 69
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 2707

Ion	Ratio	Lower	Upper
42	100		
74	105.6	0.0	0.0#
44	16.9	4.2	6.4#

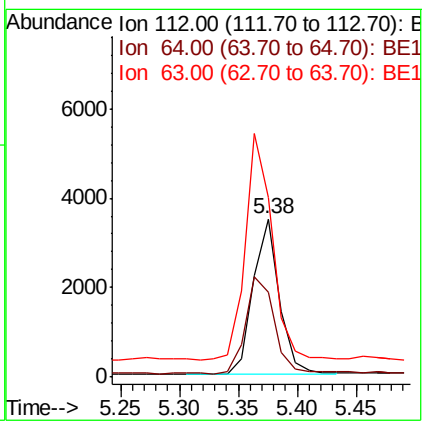


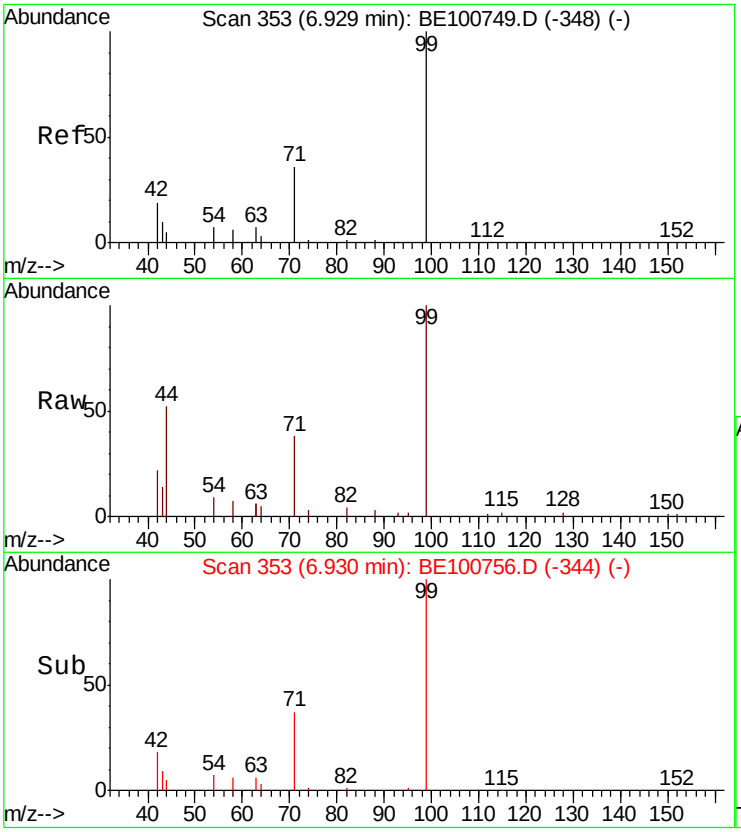


#4
2-Fluorophenol
Concen: 0.381 ng
RT: 5.38 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:112 Resp: 5458

Ion	Ratio	Lower	Upper
112	100		
64	67.3	54.3	81.5
63	146.9	114.0	171.0



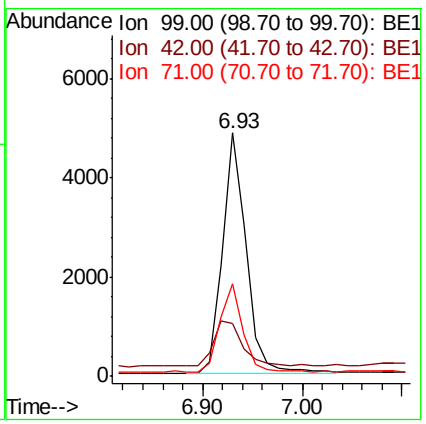


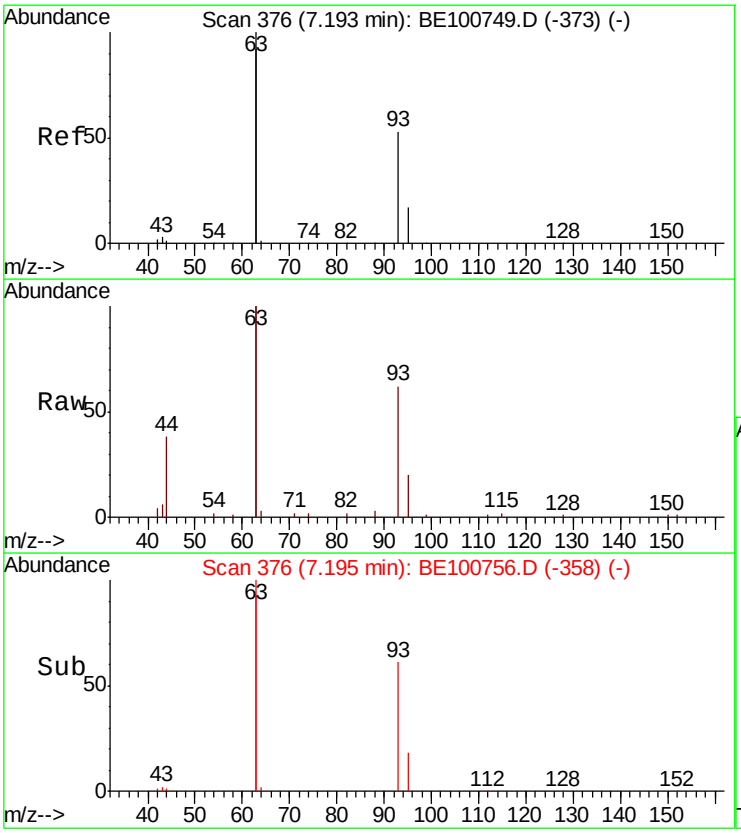
#5
Phenol-d6
Concen: 0.383 ng
RT: 6.93 min Scan# 353
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 7960

Ion	Ratio	Lower	Upper
99	100		
42	23.2	17.9	26.9
71	35.9	29.3	43.9

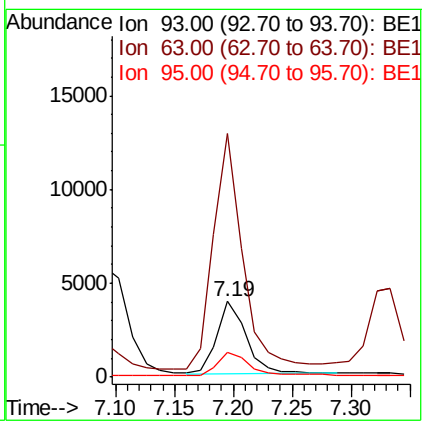


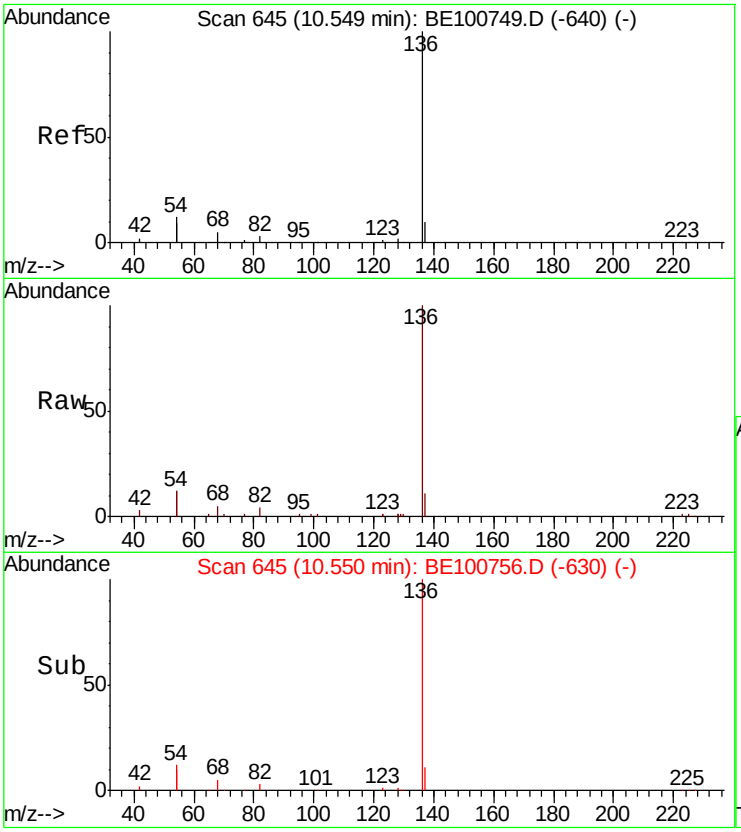


#6
bis(2-Chloroethyl)ether
Concen: 0.390 ng
RT: 7.19 min Scan# 376
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion: 93 Resp: 6752

Ion	Ratio	Lower	Upper
93	100		
63	323.6	267.0	400.6
95	35.3	26.2	39.4



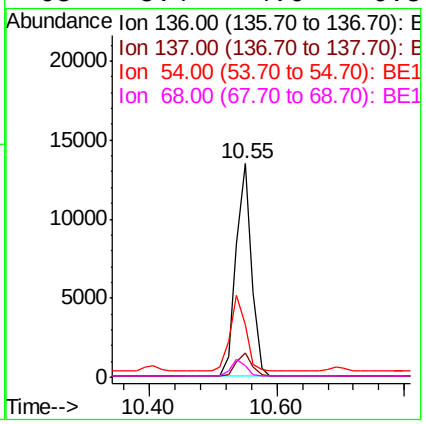


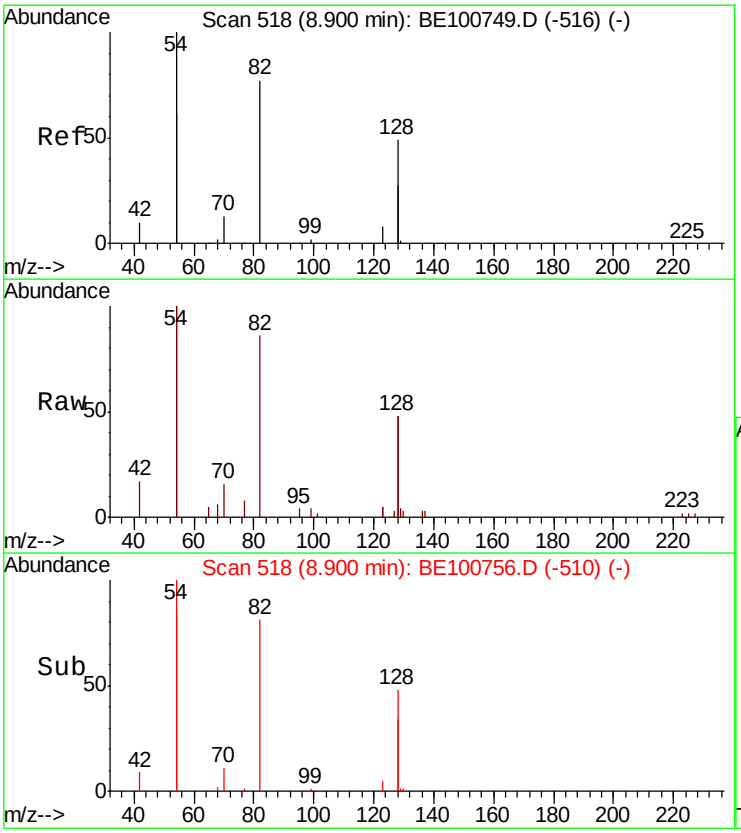
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.55 min Scan# 645
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 22775

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	12.8
54	24.7	19.4	29.0
68	5.4	4.6	6.8

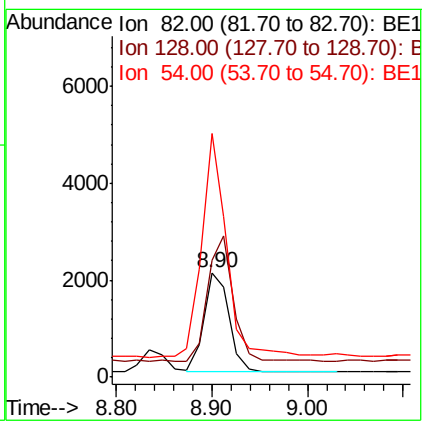


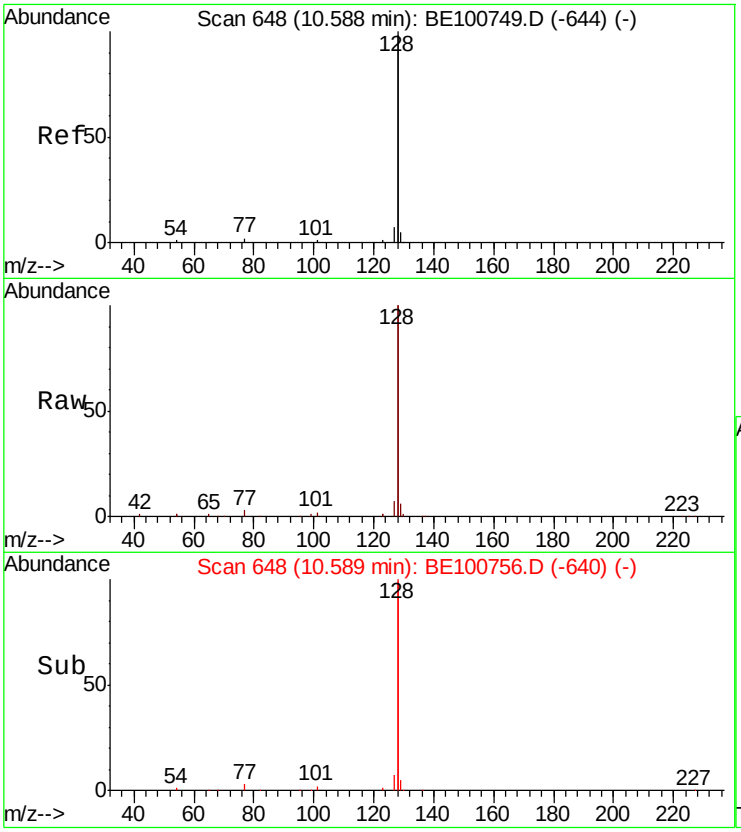


#8
Nitrobenzene-d5
Concen: 0.524 ng
RT: 8.90 min Scan# 518
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion: 82 Resp: 3823

Ion	Ratio	Lower	Upper
82	100		
128	112.7	90.2	135.4
54	233.7	186.0	279.0



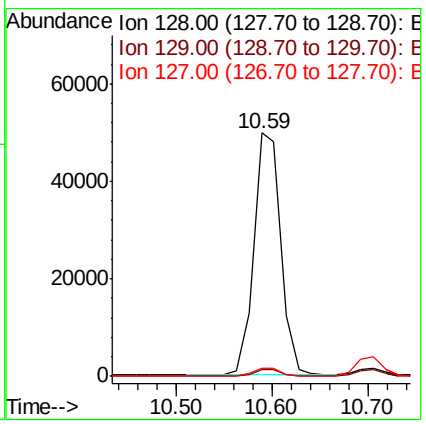


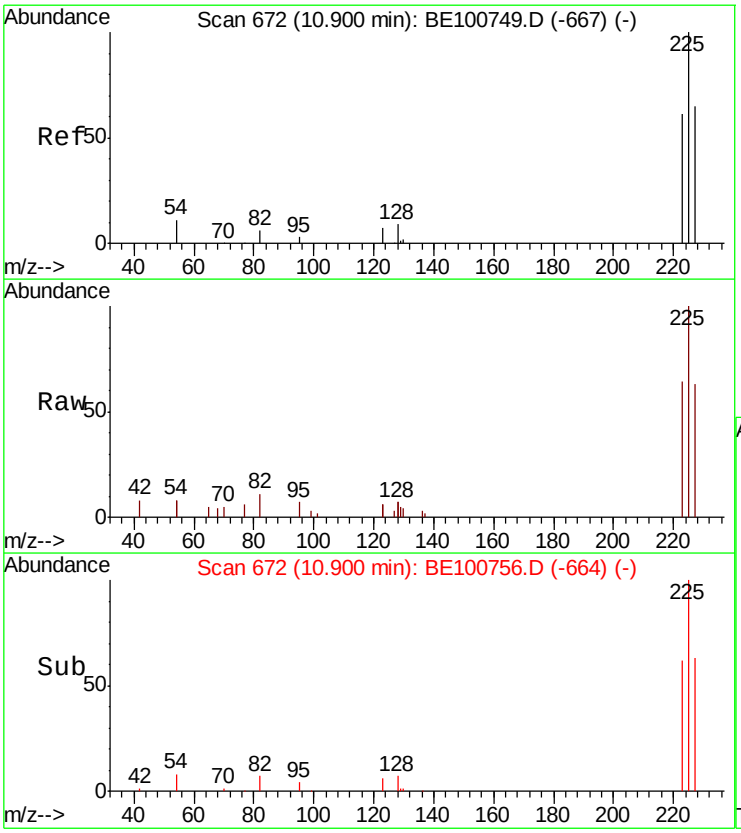
#9
Naphthalene
Concen: 0.400 ng
RT: 10.59 min Scan# 648
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 96733

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.5	2.7	4.1

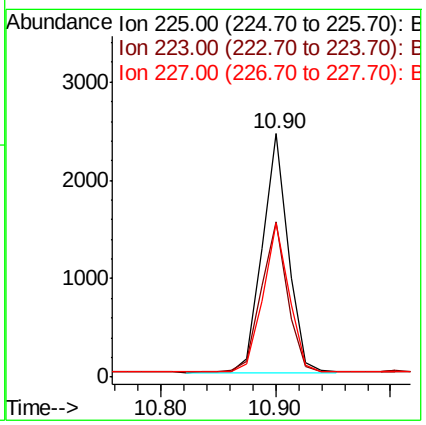


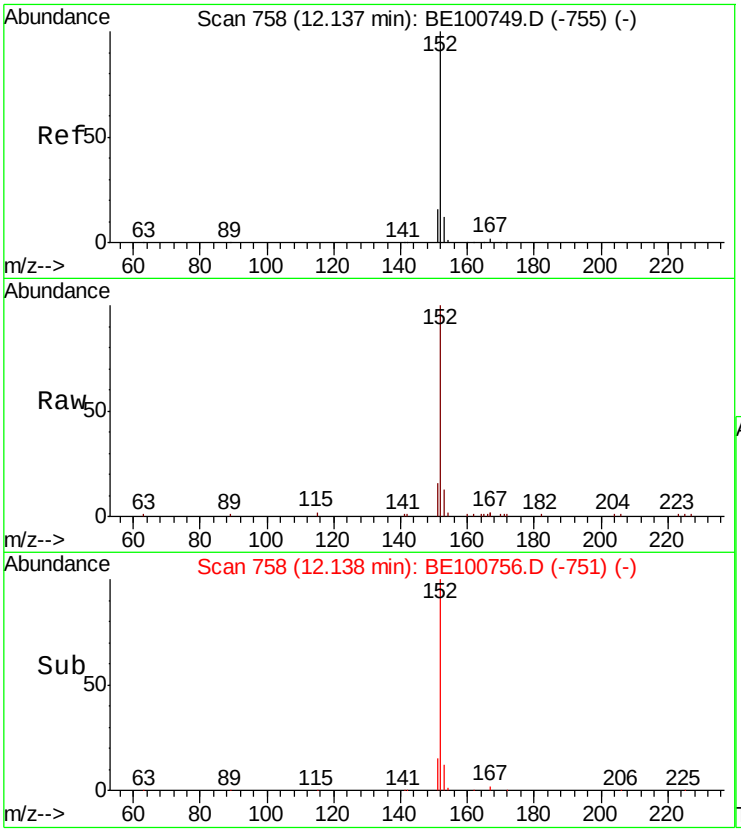


#10
Hexachlorobutadiene
Concen: 0.413 ng
RT: 10.90 min Scan# 672
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:225 Resp: 3837

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.6	75.8
227	62.2	52.0	78.0



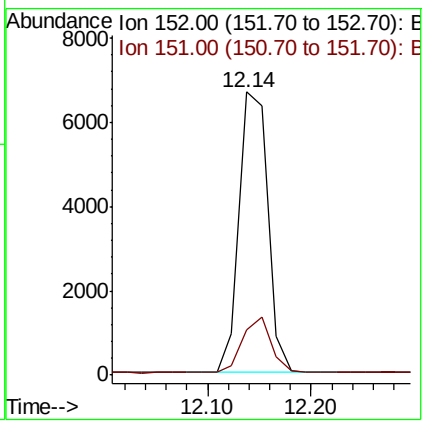


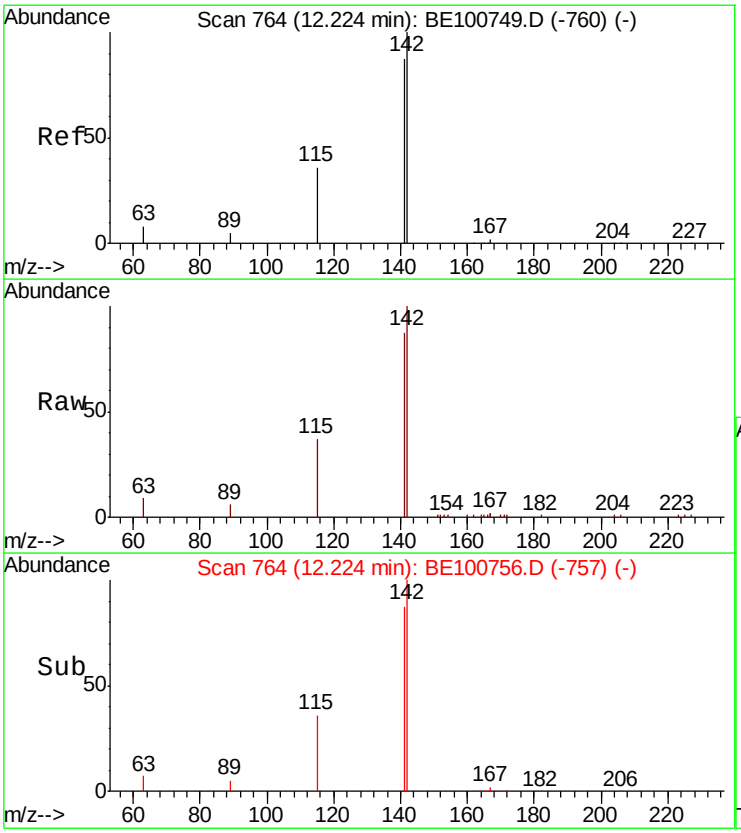
#11
2-Methylnaphthalene-d10
Concen: 0.385 ng
RT: 12.14 min Scan# 758
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 12862

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.8	23.8

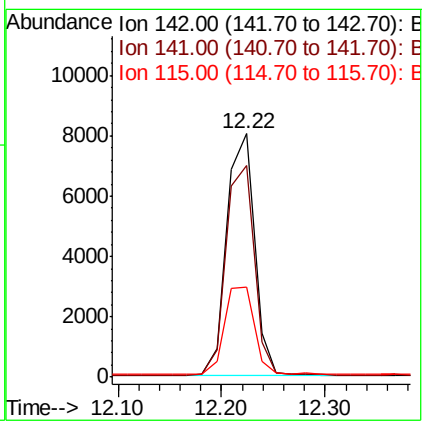


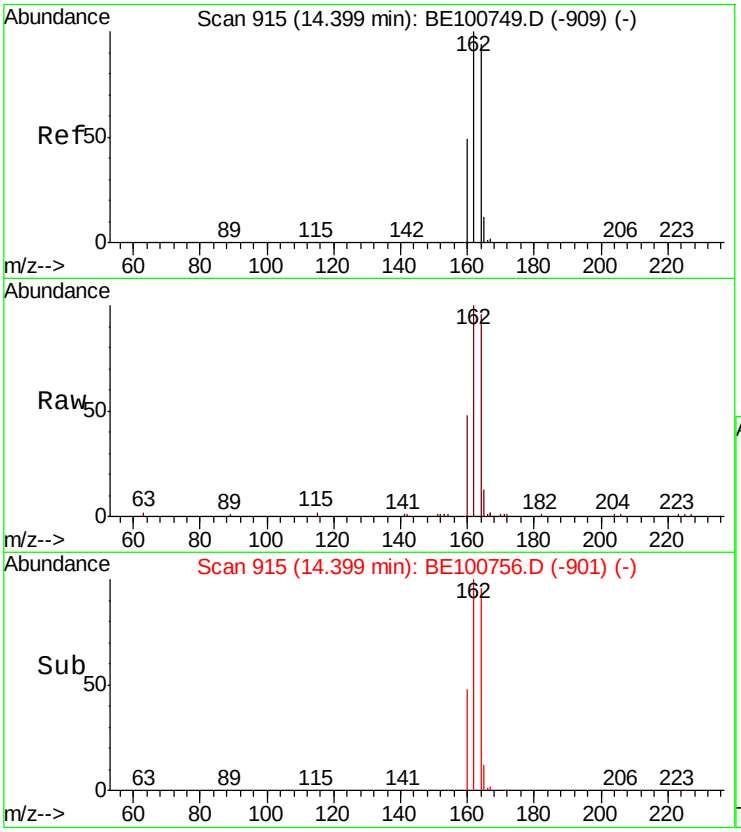


#12
2-Methylnaphthalene
Concen: 0.391 ng
RT: 12.22 min Scan# 764
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:142 Resp: 14936

Ion	Ratio	Lower	Upper
142	100		
141	86.7	69.9	104.9
115	36.9	29.5	44.3



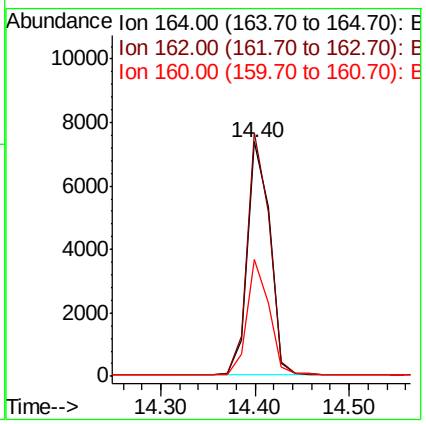


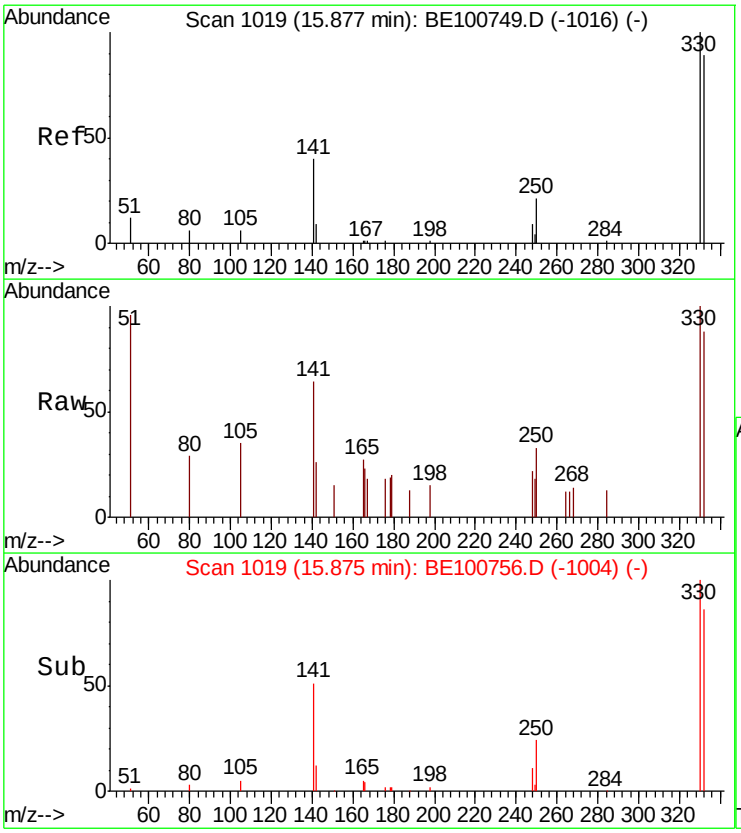
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.40 min Scan# 915
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 12183

Ion	Ratio	Lower	Upper
164	100		
162	104.0	84.8	127.2
160	50.1	42.3	63.5

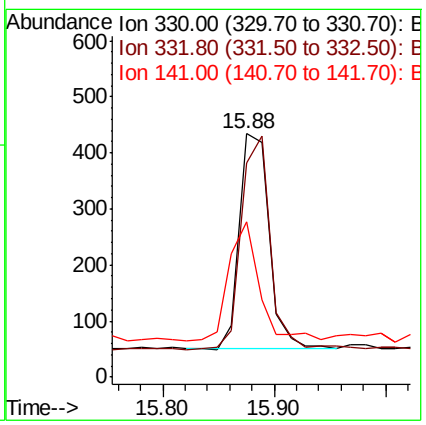


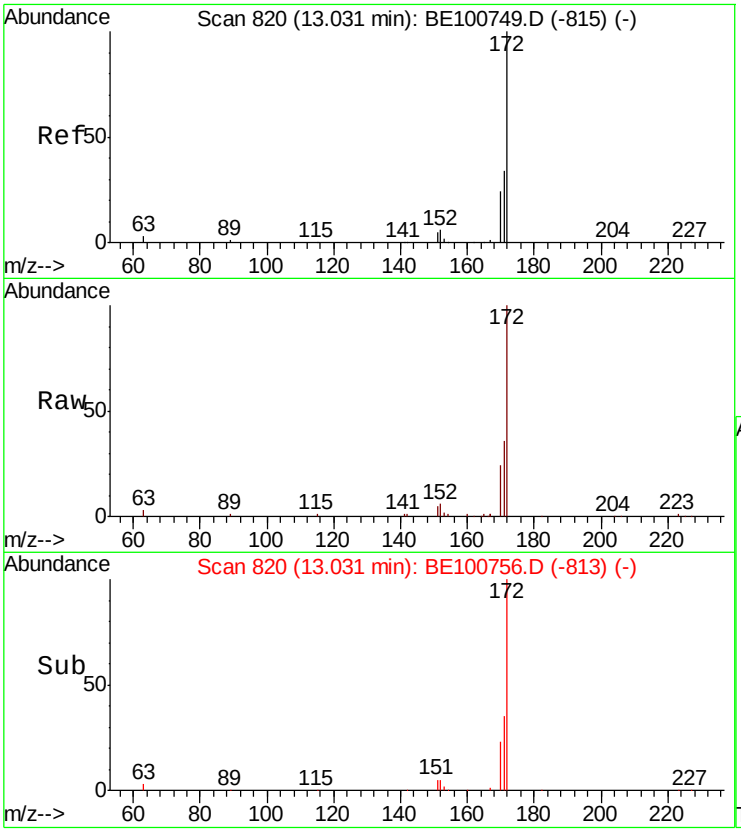


#14
2,4,6-Tribromophenol
Concen: 0.410 ng
RT: 15.88 min Scan# 1019
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:330 Resp: 704

Ion	Ratio	Lower	Upper
330	100		
332	98.6	79.3	118.9
141	57.2	43.8	65.6



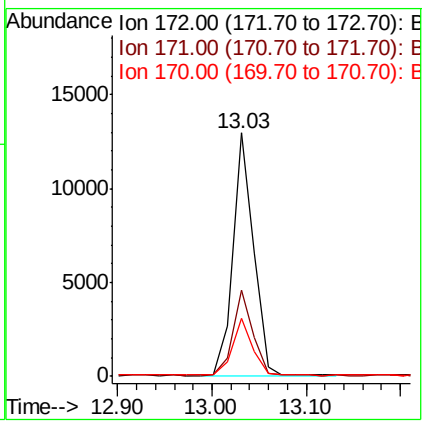


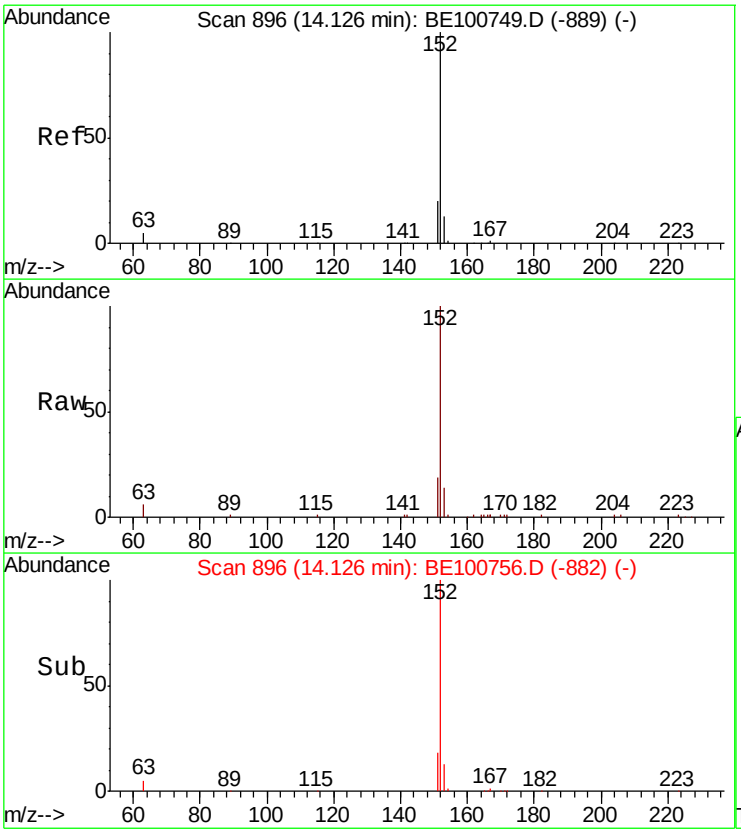
#15
2-Fluorobiphenyl
Concen: 0.413 ng
RT: 13.03 min Scan# 820
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 19517

Ion	Ratio	Lower	Upper
172	100		
171	35.6	27.8	41.6
170	23.8	19.4	29.2

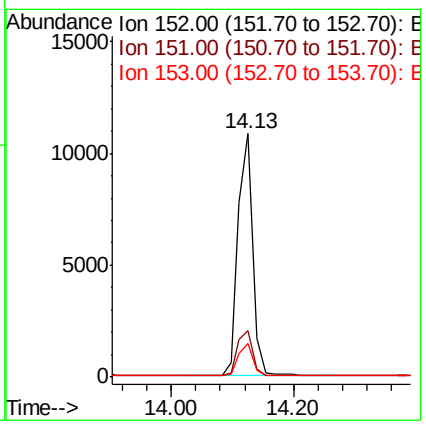


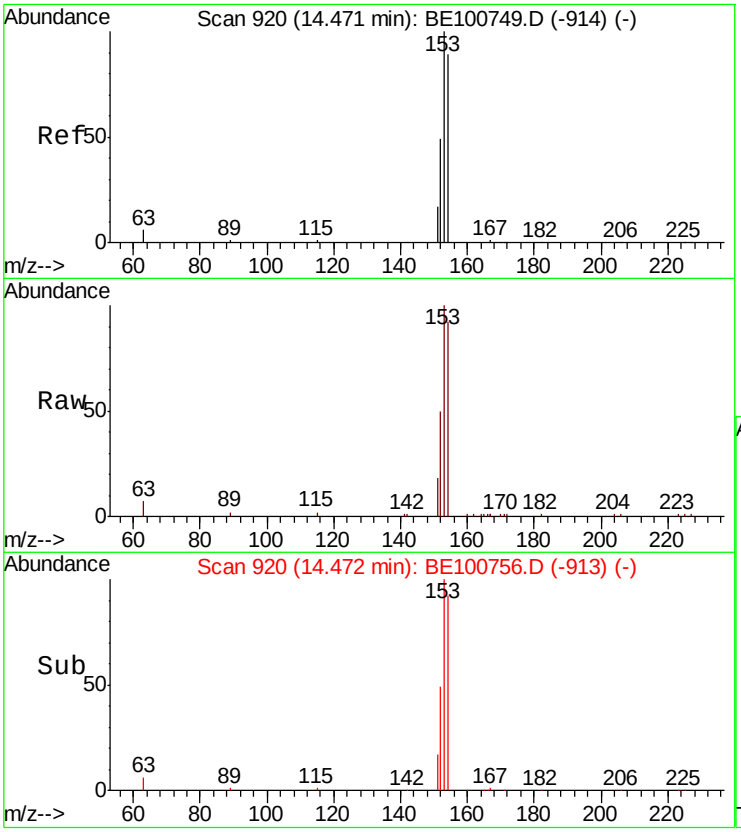


#16
Acenaphthylene
Concen: 0.353 ng
RT: 14.13 min Scan# 896
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:152 Resp: 18512

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.2	24.4
153	13.1	10.6	15.8



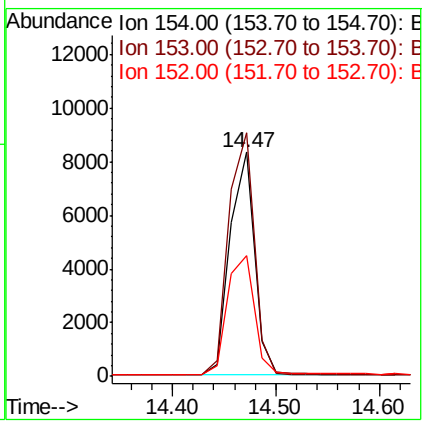


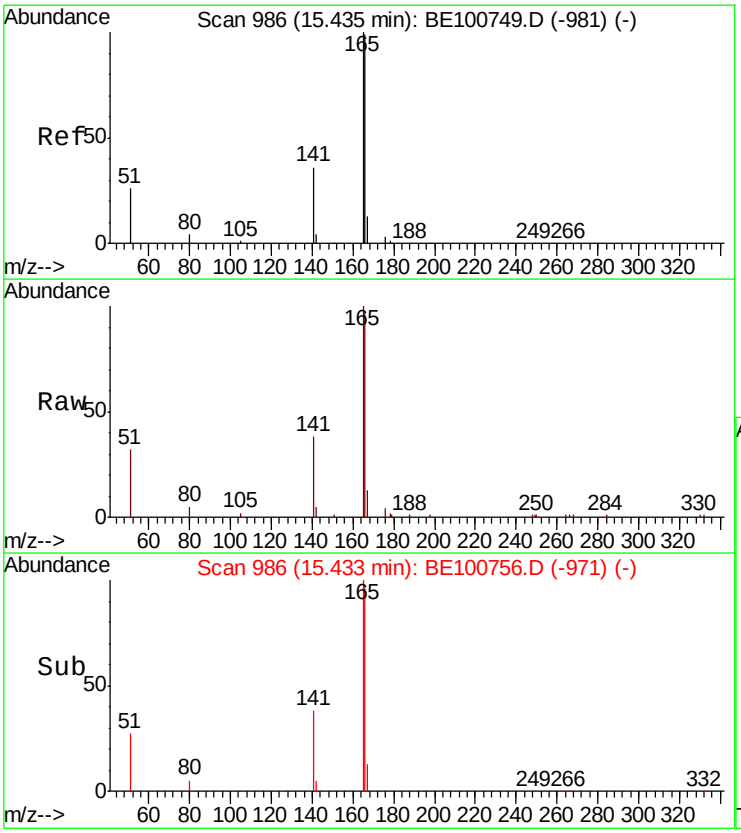
#17
Acenaphthene
Concen: 0.385 ng
RT: 14.47 min Scan# 920
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 13542

Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.6	137.4
152	59.2	47.0	70.6

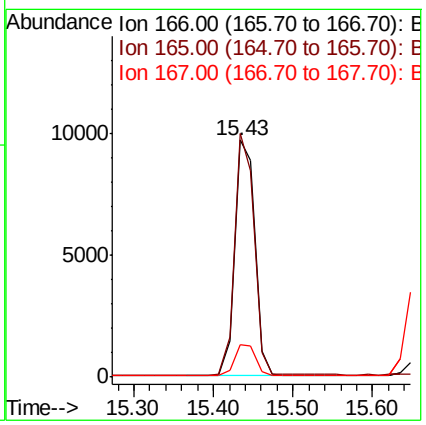


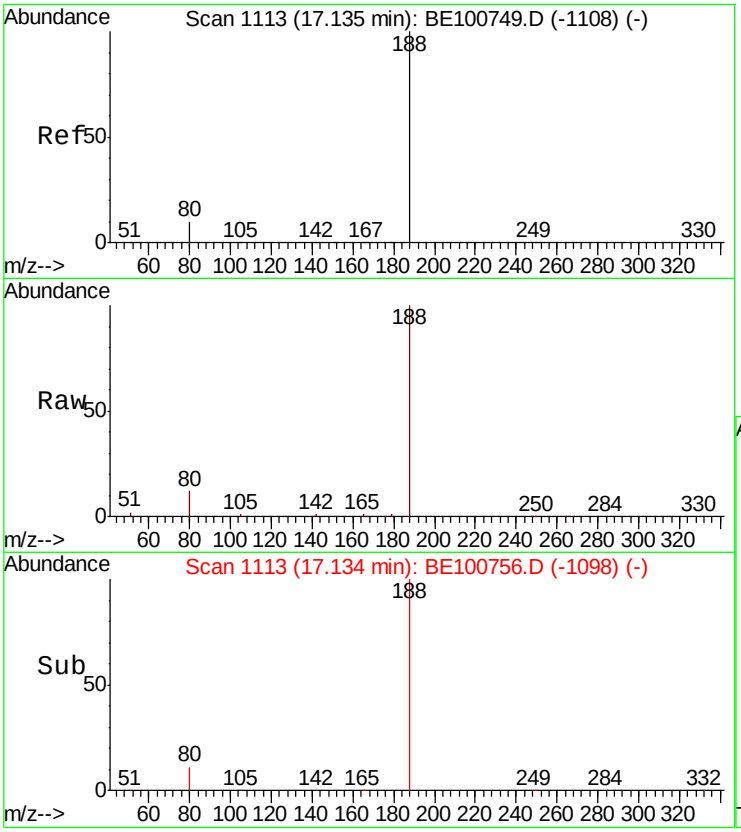


#18
Fluorene
Concen: 0.377 ng
RT: 15.43 min Scan# 986
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:166 Resp: 16917

Ion	Ratio	Lower	Upper
166	100		
165	99.5	80.2	120.4
167	13.6	11.0	16.4



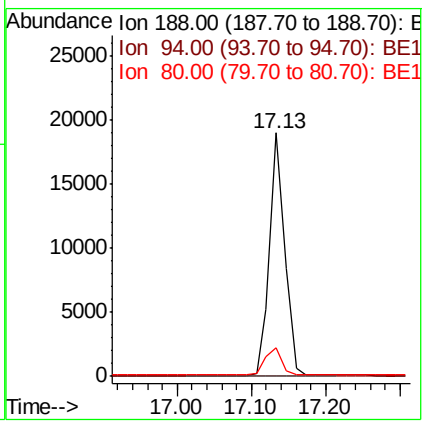


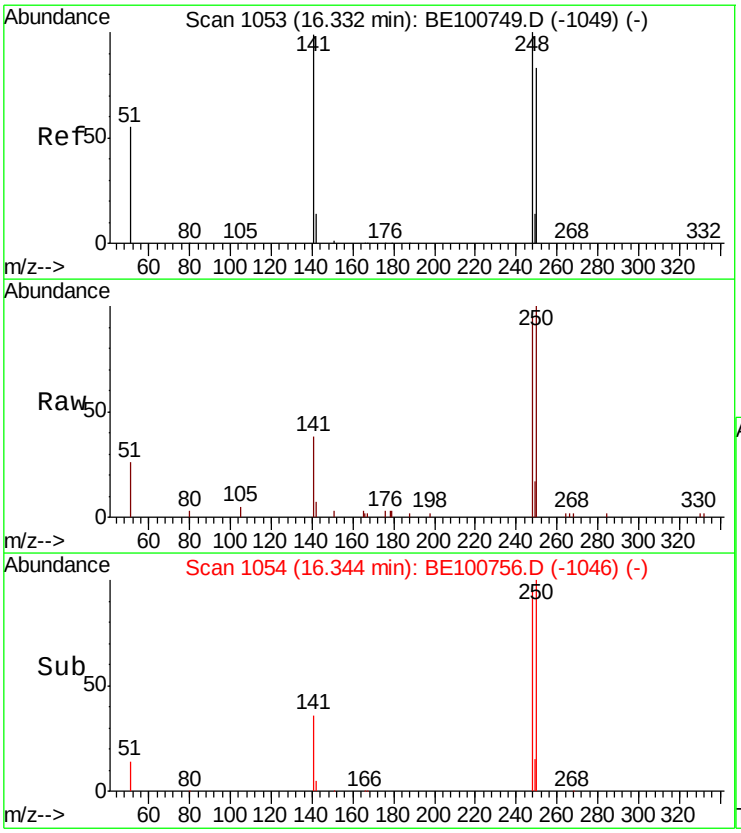
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.13 min Scan# 1113
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 26871

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.6	8.2	12.2

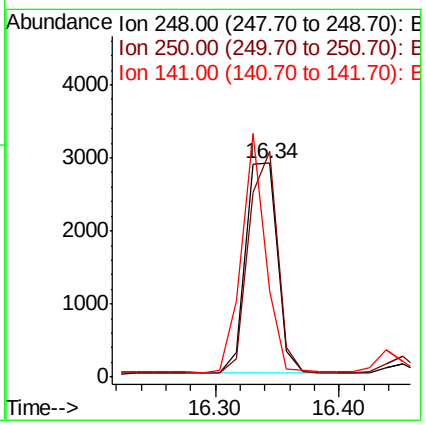


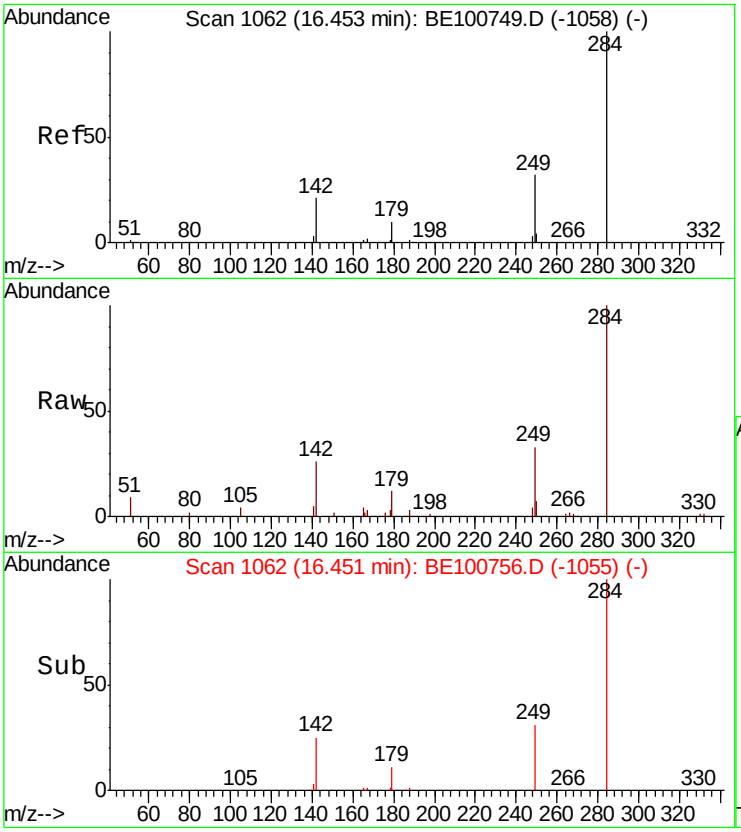


#20
4-Bromophenyl-phenylether
Concen: 0.387 ng
RT: 16.34 min Scan# 1054
Delta R.T. 0.01 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:248 Resp: 5121

Ion	Ratio	Lower	Upper
248	100		
250	105.5	66.3	99.5#
141	40.2	79.6	119.4#



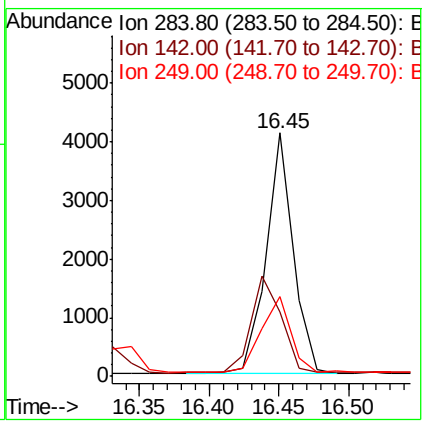


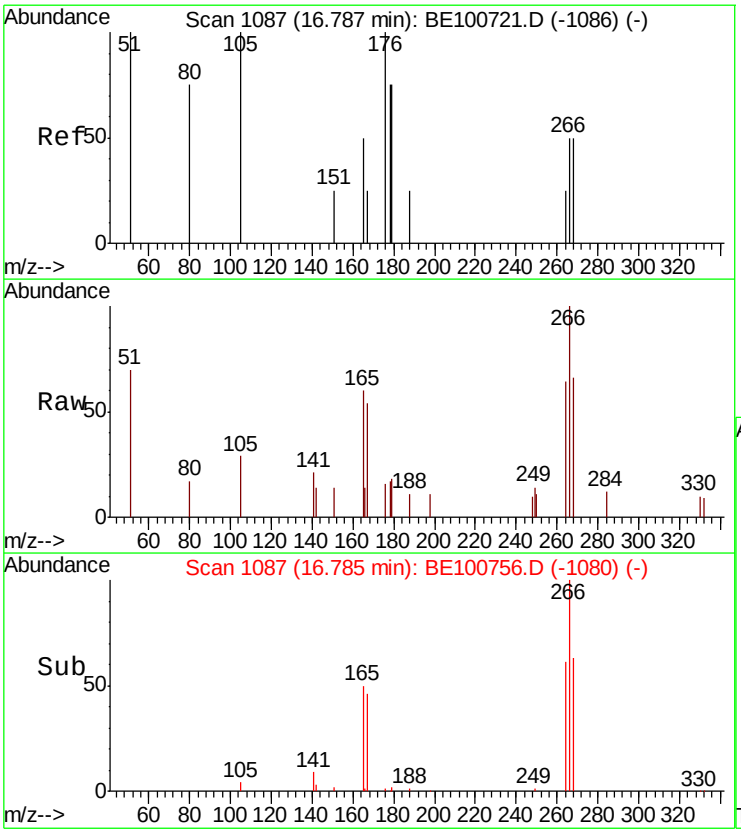
#21
Hexachlorobenzene
Concen: 0.400 ng
RT: 16.45 min Scan# 1062
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 5519

Ion	Ratio	Lower	Upper
284	100		
142	44.6	34.9	52.3
249	33.9	28.7	43.1

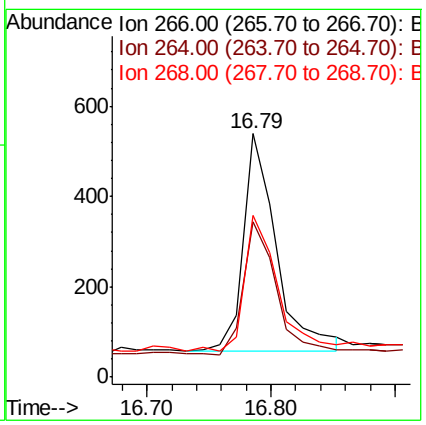


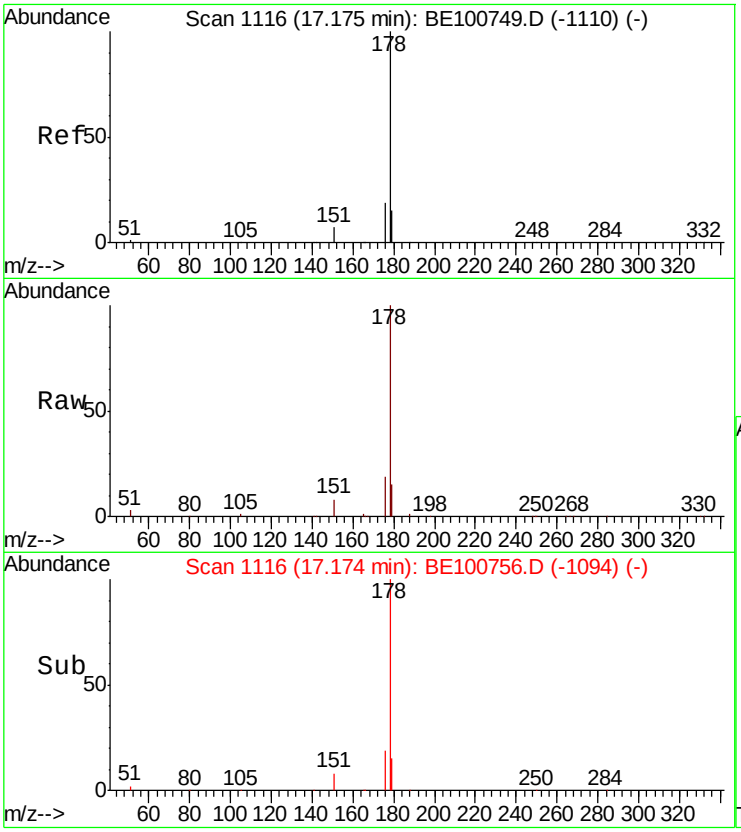


#22
Pentachlorophenol
Concen: 0.473 ng
RT: 16.79 min Scan# 1087
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:266 Resp: 885

Ion	Ratio	Lower	Upper
266	100		
264	64.0	54.6	82.0
268	66.2	52.6	78.8



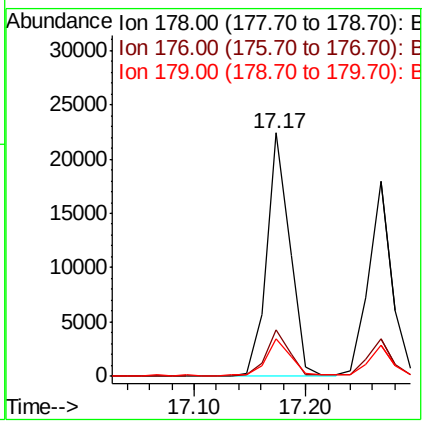


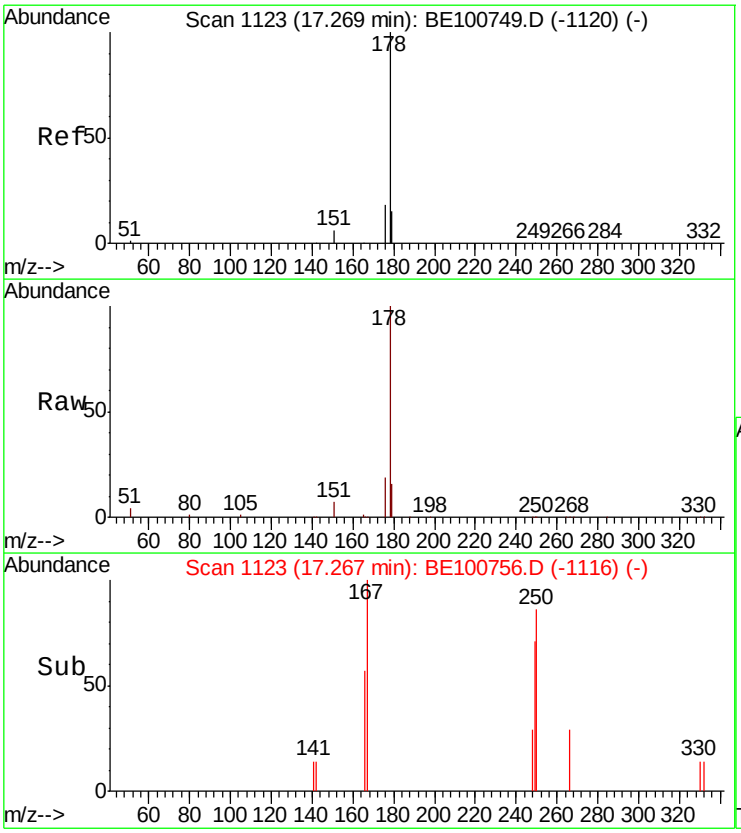
#23
Phenanthrene
Concen: 0.398 ng
RT: 17.17 min Scan# 1116
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 32195

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.3	12.5	18.7

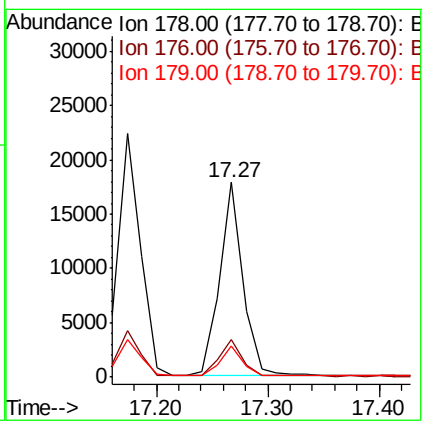


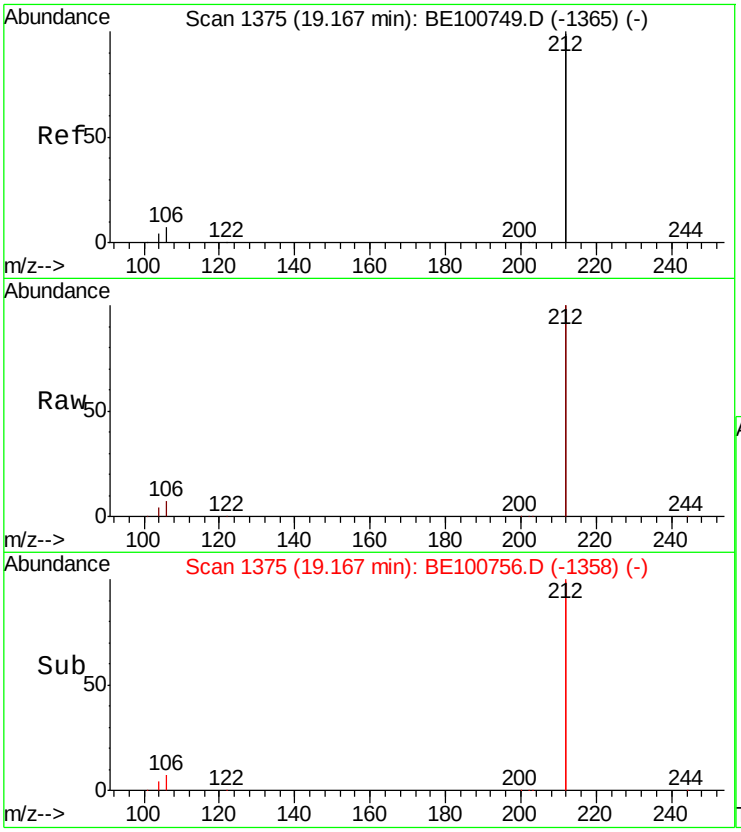


#24
Anthracene
Concen: 0.369 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:178 Resp: 25727

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.4	12.2	18.4



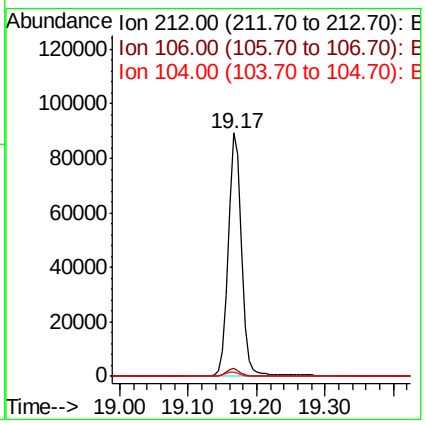


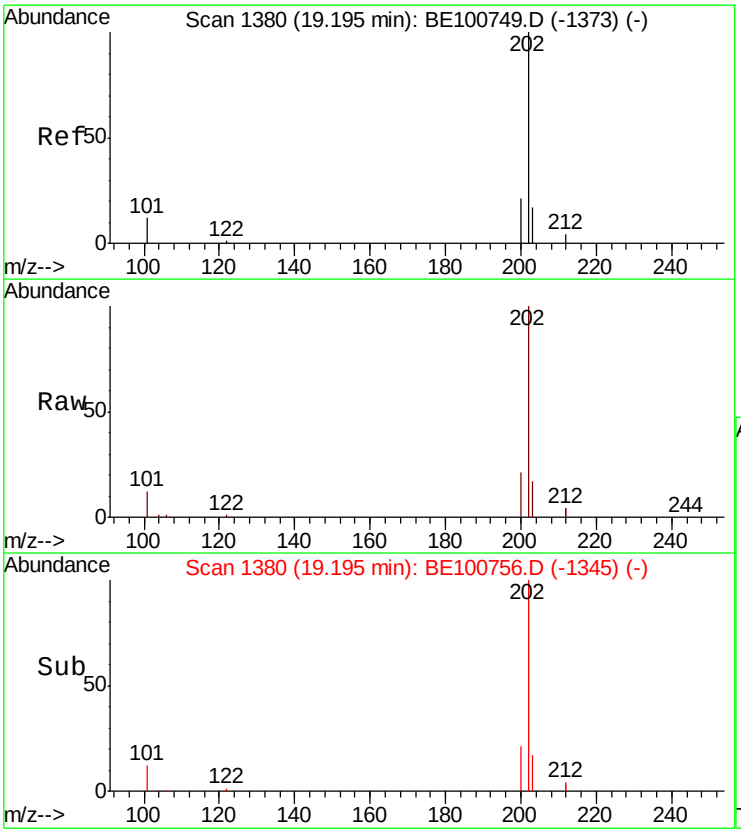
#25
Fluoranthene-d10
Concen: 0.370 ng
RT: 19.17 min Scan# 1375
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 121606

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	4.0
104	1.8	1.5	2.3

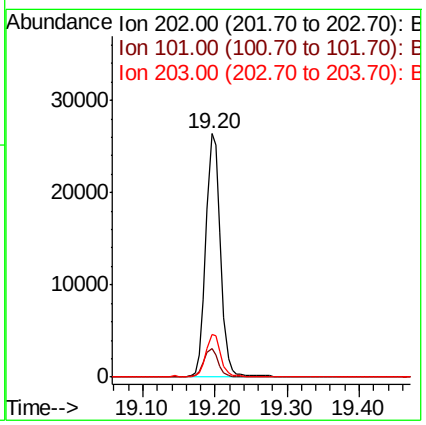


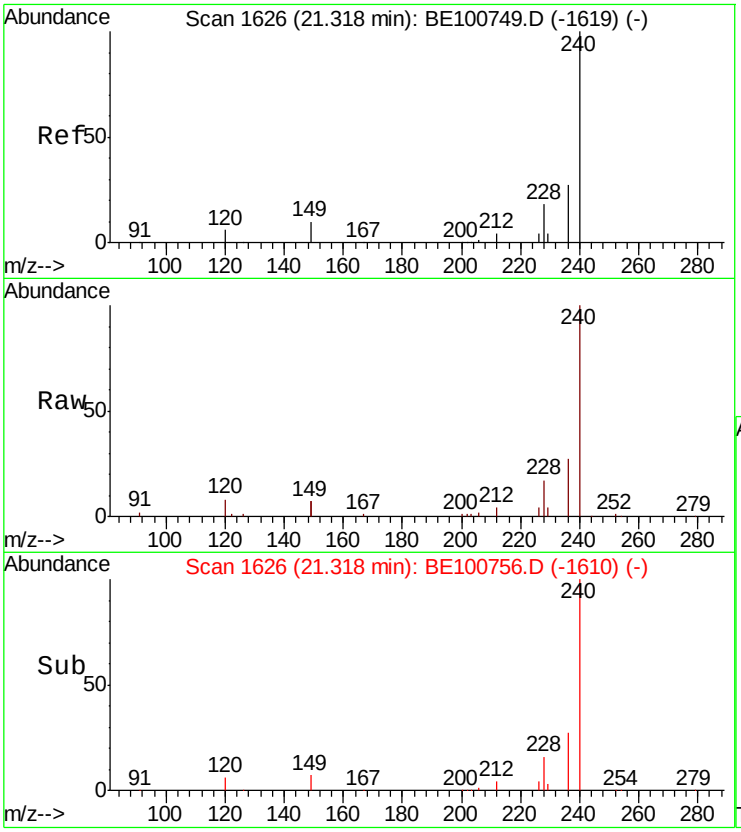


#26
Fluoranthene
Concen: 0.372 ng
RT: 19.20 min Scan# 1380
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:202 Resp: 36821

Ion	Ratio	Lower	Upper
202	100		
101	11.6	9.2	13.8
203	17.1	13.8	20.8



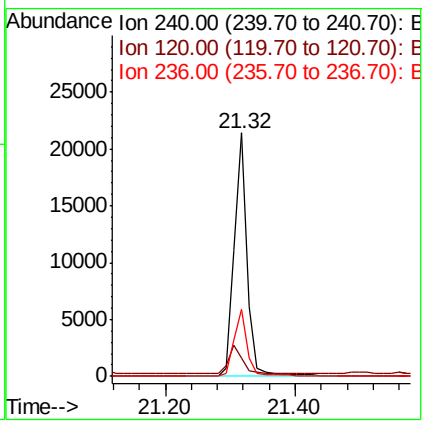


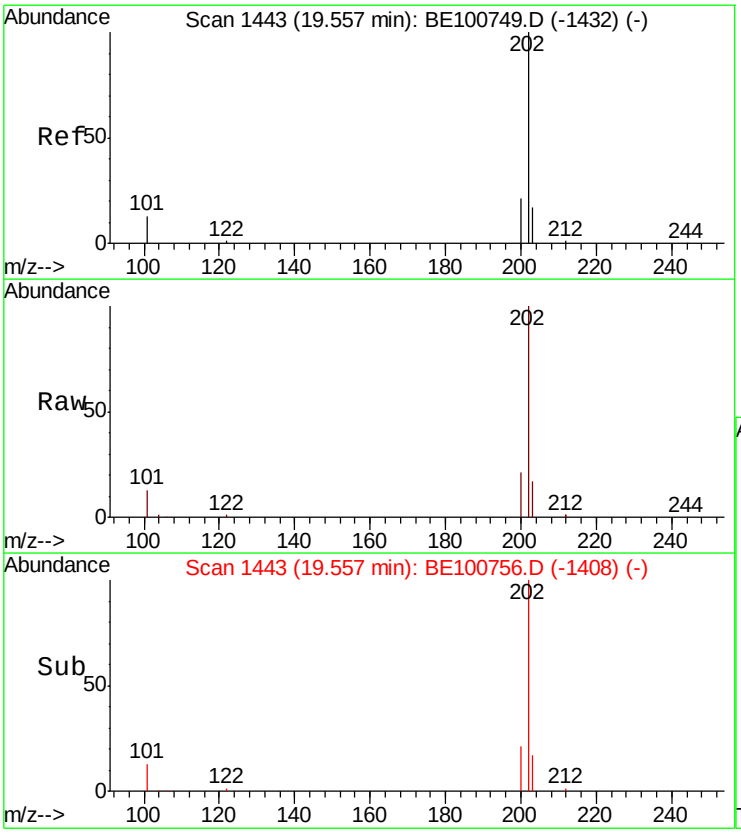
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.32 min Scan# 1626
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 29492

Ion	Ratio	Lower	Upper
240	100		
120	7.5	5.8	8.8
236	27.4	21.9	32.9

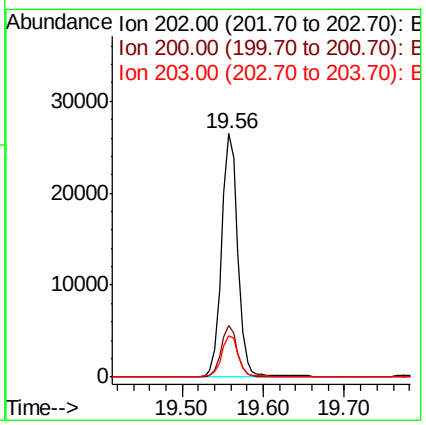


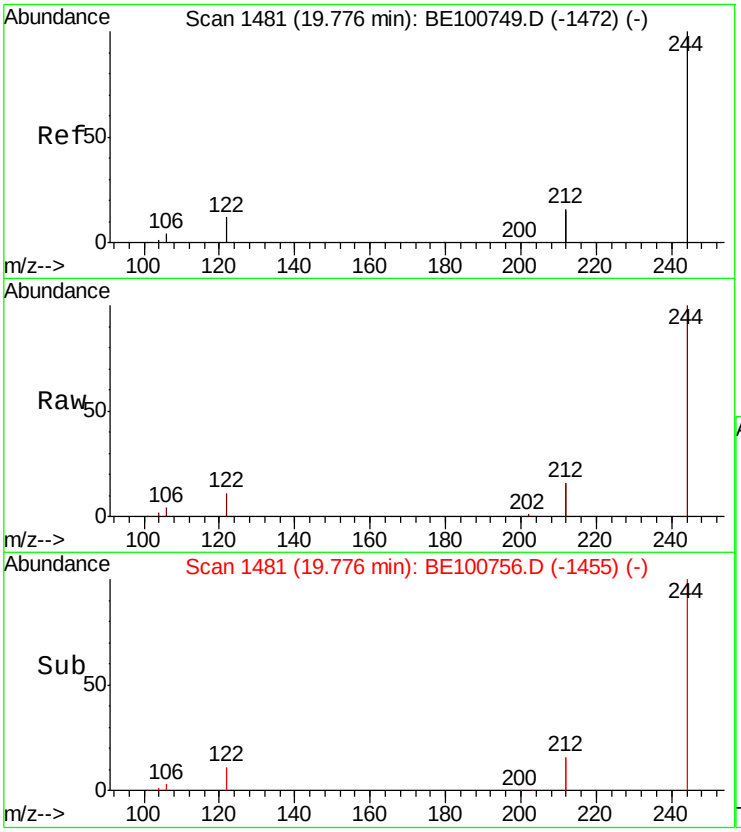


#28
Pyrene
Concen: 0.397 ng
RT: 19.56 min Scan# 1443
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:202 Resp: 36274

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.6	24.8
203	17.3	14.0	21.0



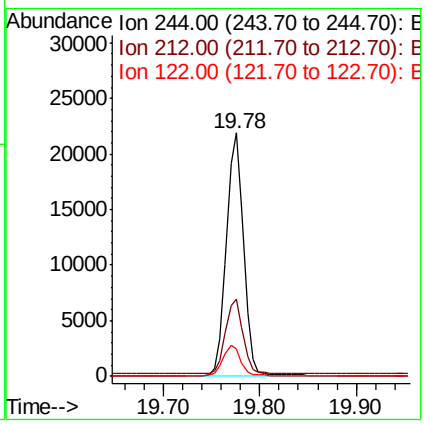


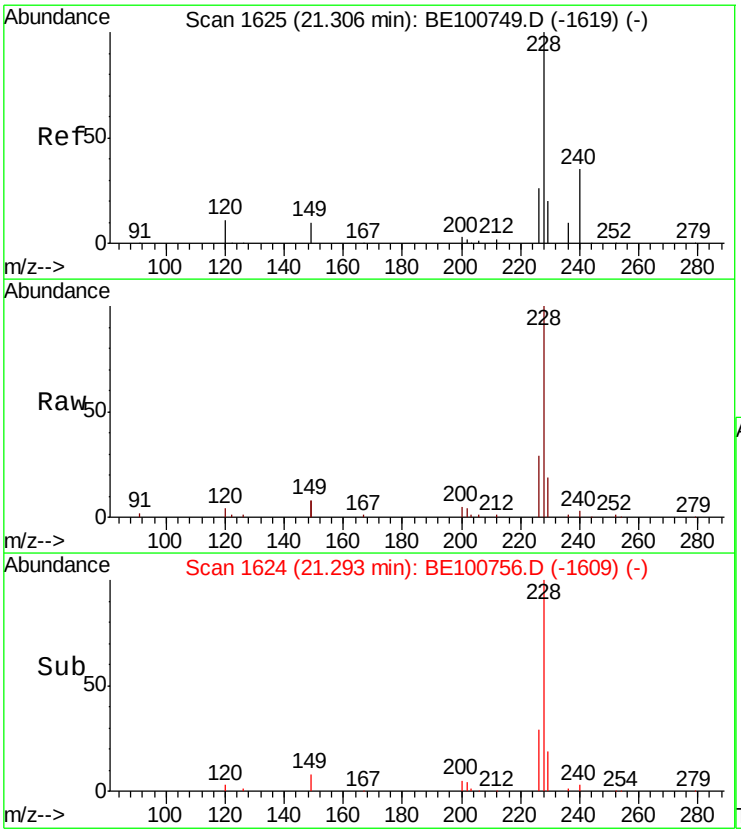
#29
Terphenyl-d14
Concen: 0.399 ng
RT: 19.78 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 27071

Ion	Ratio	Lower	Upper
244	100		
212	31.6	25.2	37.8
122	11.2	9.8	14.6

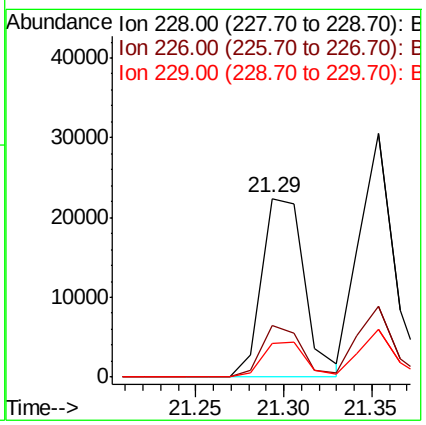


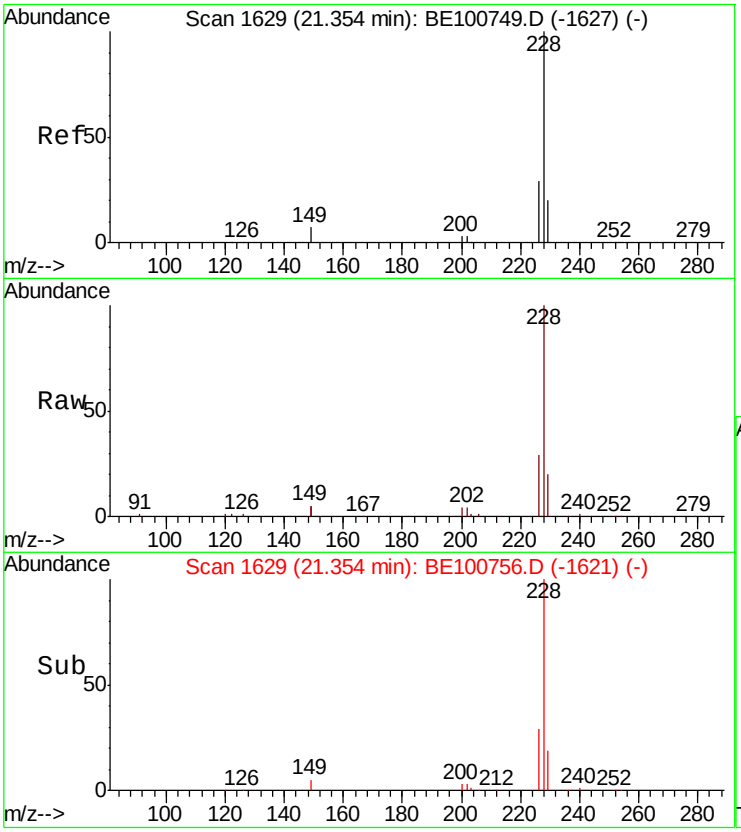


#30
Benzo(a)anthracene
Concen: 0.379 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:228 Resp: 37673

Ion	Ratio	Lower	Upper
228	100		
226	28.8	20.7	31.1
229	18.8	16.2	24.2



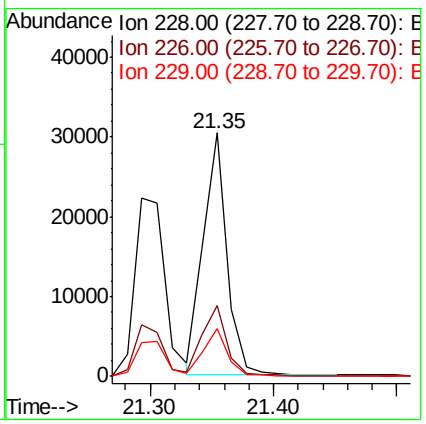


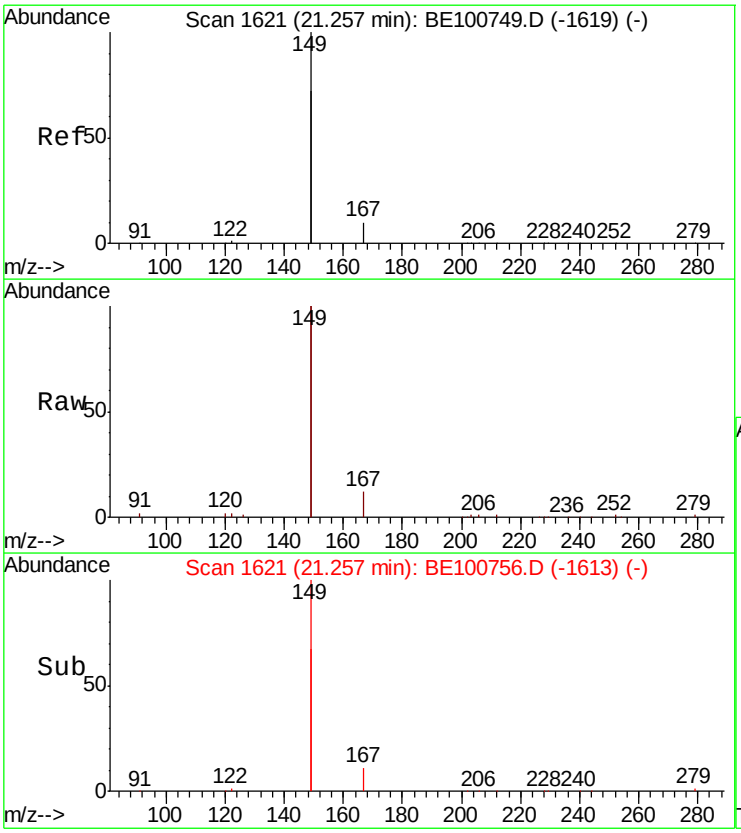
#31
Chrysene
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 40497

Ion	Ratio	Lower	Upper
228	100		
226	29.1	23.8	35.6
229	19.6	15.9	23.9

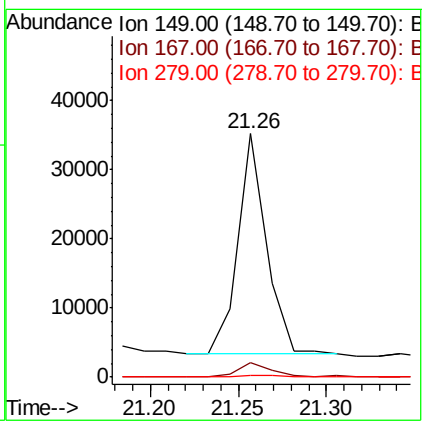


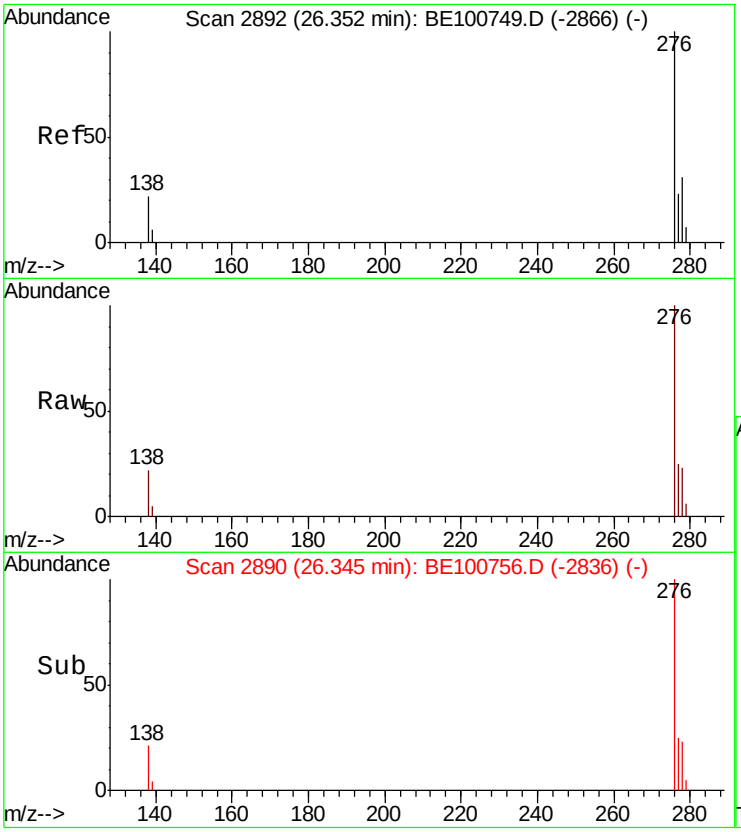


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.244 ng
RT: 21.26 min Scan# 1621
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:149 Resp: 35984

Ion	Ratio	Lower	Upper
149	100		
167	6.6	5.5	8.3
279	0.8	0.7	1.1



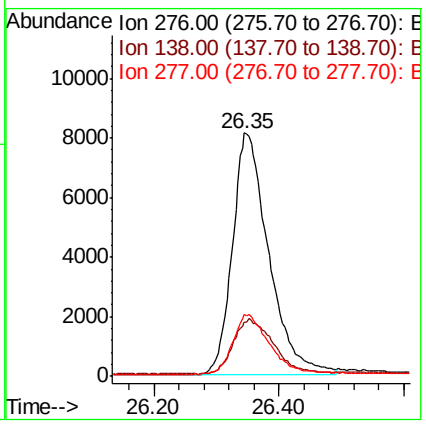


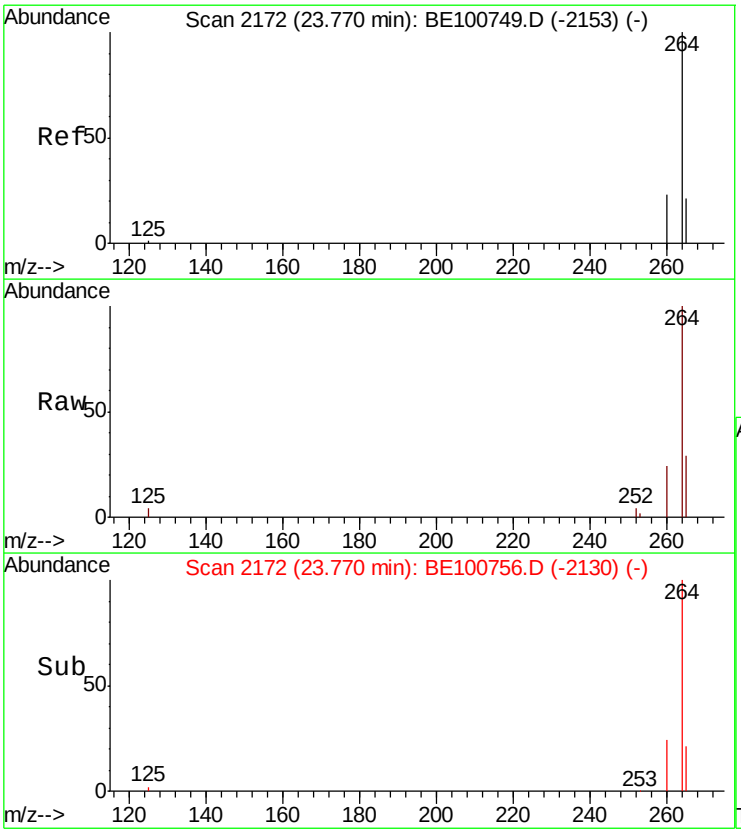
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.355 ng
RT: 26.35 min Scan# 2890
Delta R.T. -0.01 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 32823

Ion	Ratio	Lower	Upper
276	100		
138	25.3	19.8	29.6
277	24.9	19.7	29.5

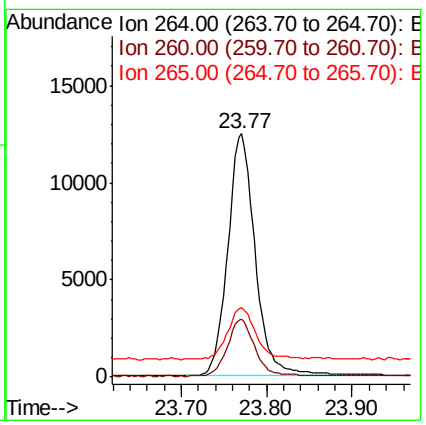


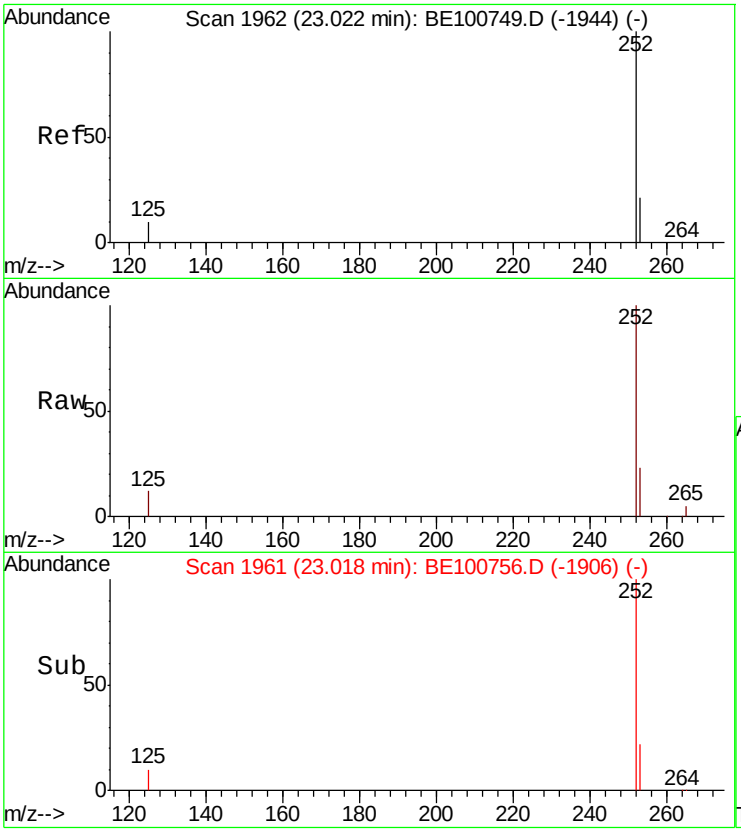


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.77 min Scan# 2172
Delta R.T. 0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:264 Resp: 27870

Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.7	28.1
265	28.6	22.4	33.6



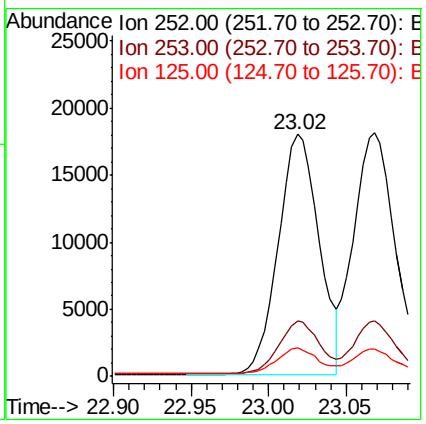


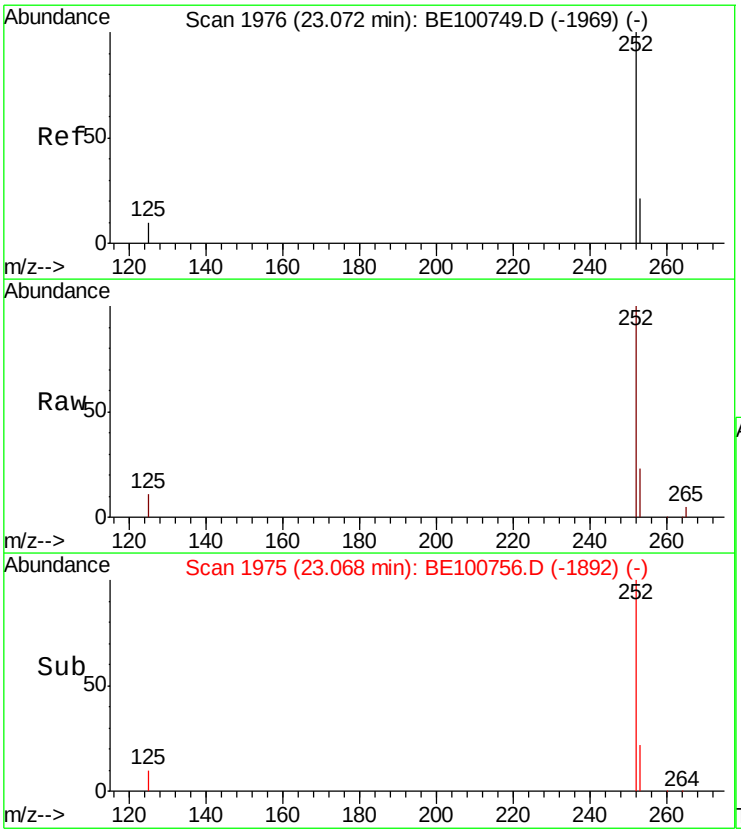
#35
Benzo(b)fluoranthene
Concen: 0.376 ng
RT: 23.02 min Scan# 1961
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 32887

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	11.7	9.1	13.7

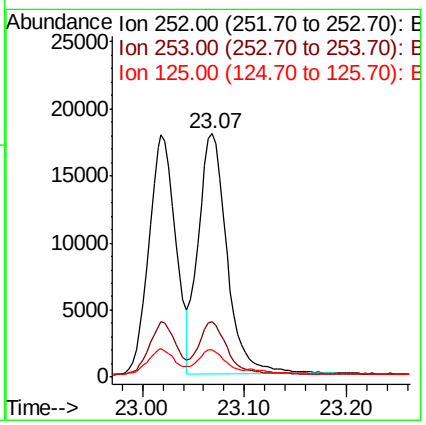


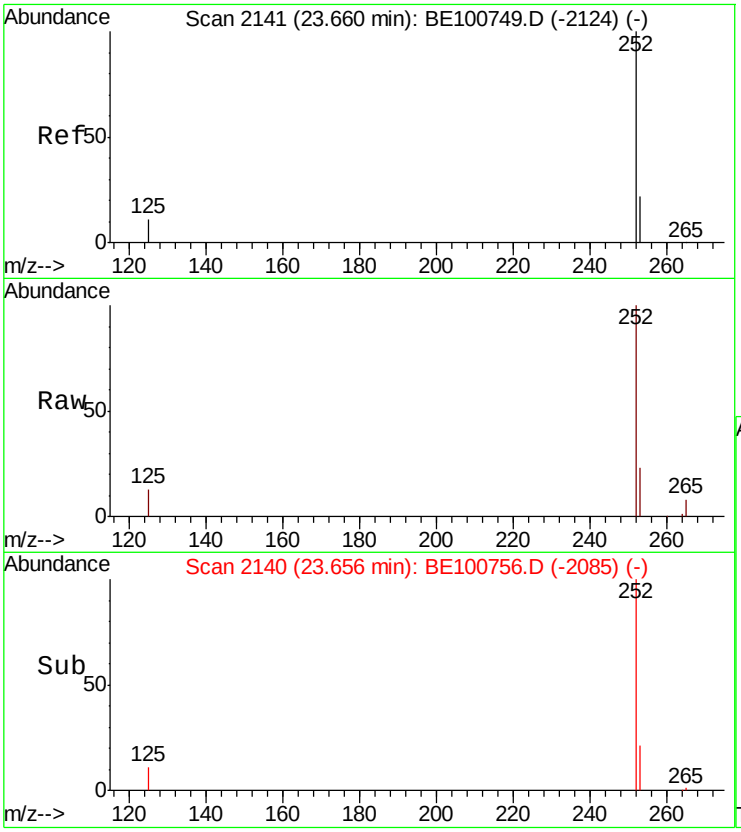


#36
Benzo(k)fluoranthene
Concen: 0.385 ng
RT: 23.07 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:252 Resp: 35108

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.4	9.0	13.4



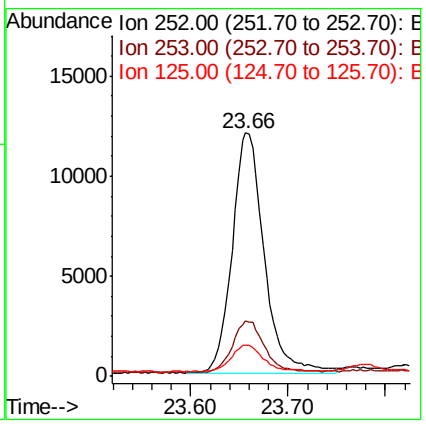


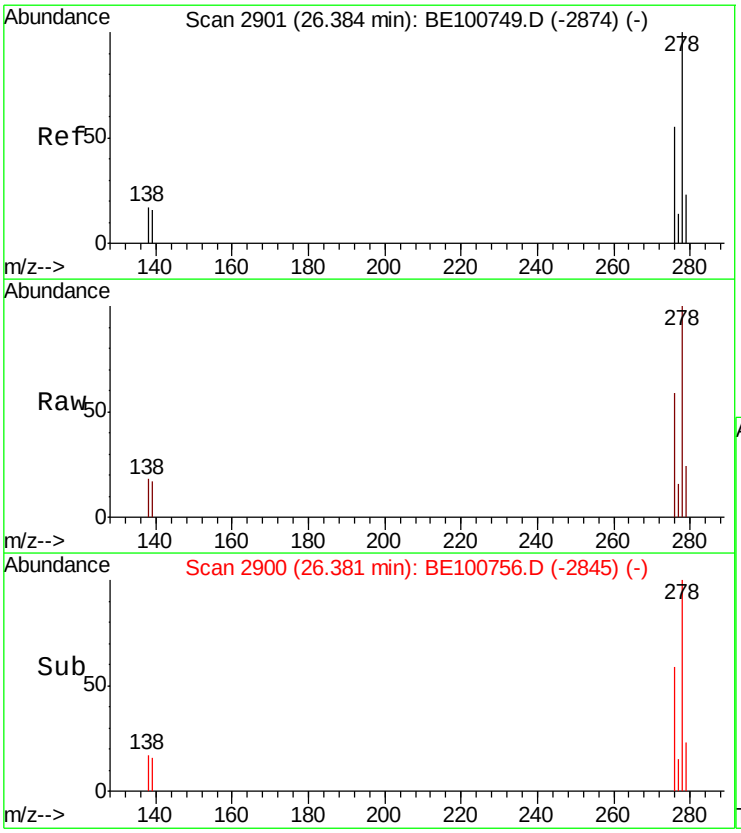
#37
Benzo(a)pyrene
Concen: 0.356 ng
RT: 23.66 min Scan# 2140
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 27459

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.3	27.5
125	12.8	10.5	15.7

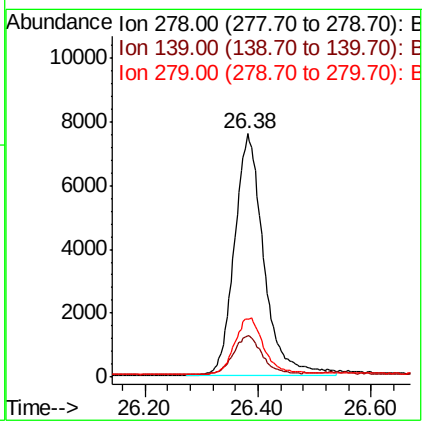


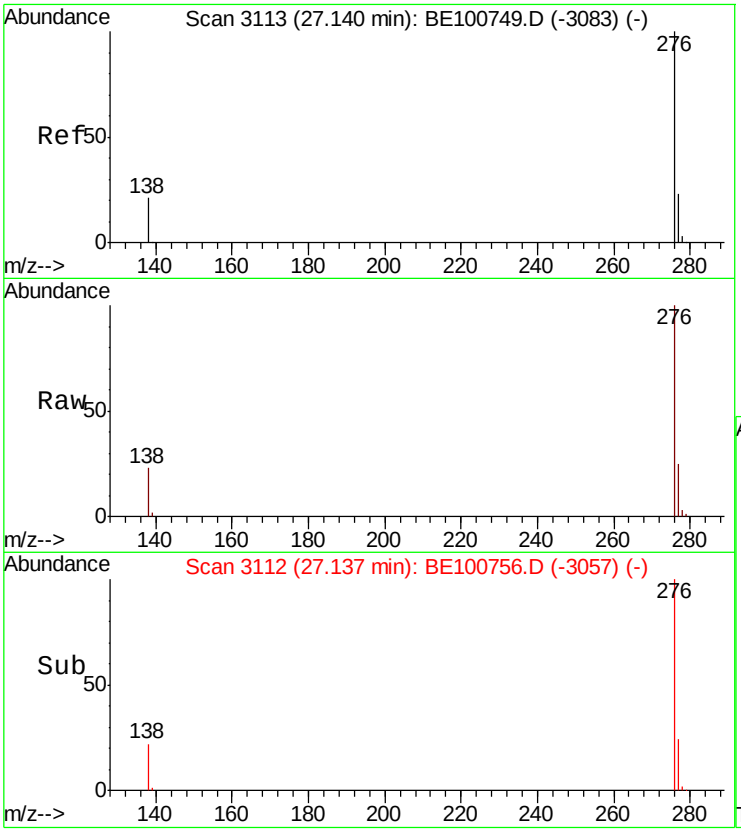


#38
Dibenzo(a,h)anthracene
Concen: 0.336 ng
RT: 26.38 min Scan# 2900
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Tgt Ion:278 Resp: 27221

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.2	19.8
279	24.0	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.384 ng
RT: 27.14 min Scan# 3112
Delta R.T. -0.00 min
Lab File: BE100756.D
Acq: 22 Nov 2019 13:14

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 29551

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	22.7	17.8	26.8