Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012120\
Data File : BE101104.D
Acq On : 21 Jan 2020 9:36
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Jan 22 07:55:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	2234	0.40	ng		-0.01
7) Naphthalene-d8	10.50	136	9935	0.40	ng		0.00
13) Acenaphthene-d10	14.36	164	7063	0.40	ng		0.00
19) Phenanthrene-d10	17.09	188	17492	0.40	ng		0.00
27) Chrysene-d12	21.27	240	19020	0.40	ng		-0.01
34) Perylene-d12	23.69	264	17449	0.40	ng		-0.01
System Monitoring Compounds							
4) 2-Fluorophenol	5.33	112	2068	0.41	ng		-0.01
5) Phenol-d6	6.91	99	2212	0.35	ng		-0.01
8) Nitrobenzene-d5	8.87	82	2474	0.35	ng		0.00
11) 2-Methylnaphthalene-d10	12.11	152	7678	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.85	330	584	0.29	ng		0.00
15) 2-Fluorobiphenyl	13.00	172	9426	0.35	ng		0.00
25) Fluoranthene-d10	19.13	212	105009	0.43	ng		0.00
29) Terphenyl-d14	19.73	244	17671	0.38	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	1958	0.347	ng		90
3) n-Nitrosodimethylamine	3.60	42	1041	0.335	ng	#	93
6) bis(2-Chloroethyl)ether	7.16	93	2356	0.311	ng	#	92
9) Naphthalene	10.55	128	43139	0.391	ng		99
10) Hexachlorobutadiene	10.84	225	1998	0.428	ng		97
12) 2-Methylnaphthalene	12.18	142	6133	0.368	ng		97
16) Acenaphthylene	14.08	152	10391	0.361	ng		99
17) Acenaphthene	14.41	154	7564	0.367	ng		99
18) Fluorene	15.39	166	10008	0.385	ng		99
20) 4-Bromophenyl-phenylether	16.30	248	3235	0.379	ng		99
21) Hexachlorobenzene	16.40	284	3348	0.358	ng		98
22) Pentachlorophenol	16.76	266	292	0.339	ng		98
23) Phenanthrene	17.13	178	17334	0.363	ng		100
24) Anthracene	17.23	178	17125	0.380	ng		99
26) Fluoranthene	19.16	202	25452	0.425	ng		99
28) Pyrene	19.52	202	26361	0.372	ng		99
30) Benzo(a)anthracene	21.26	228	18689	0.344	ng		98
31) Chrysene	21.31	228	32358	0.401	ng		98
32) Bis(2-ethylhexyl)phthalate	21.20	149	26222	0.290	ng		100
33) Indeno(1,2,3-cd)pyrene	26.24	276	21808	0.342	ng		96
35) Benzo(b)fluoranthene	22.95	252	16130	0.330	ng		100
36) Benzo(k)fluoranthene	23.00	252	23755	0.335	ng		99
37) Benzo(a)pyrene	23.59	252	17850	0.377	ng		98
38) Dibenzo(a,h)anthracene	26.26	278	16530	0.380	ng		97
39) Benzo(g,h,i)perylene	27.01	276	19658	0.367	ng		97

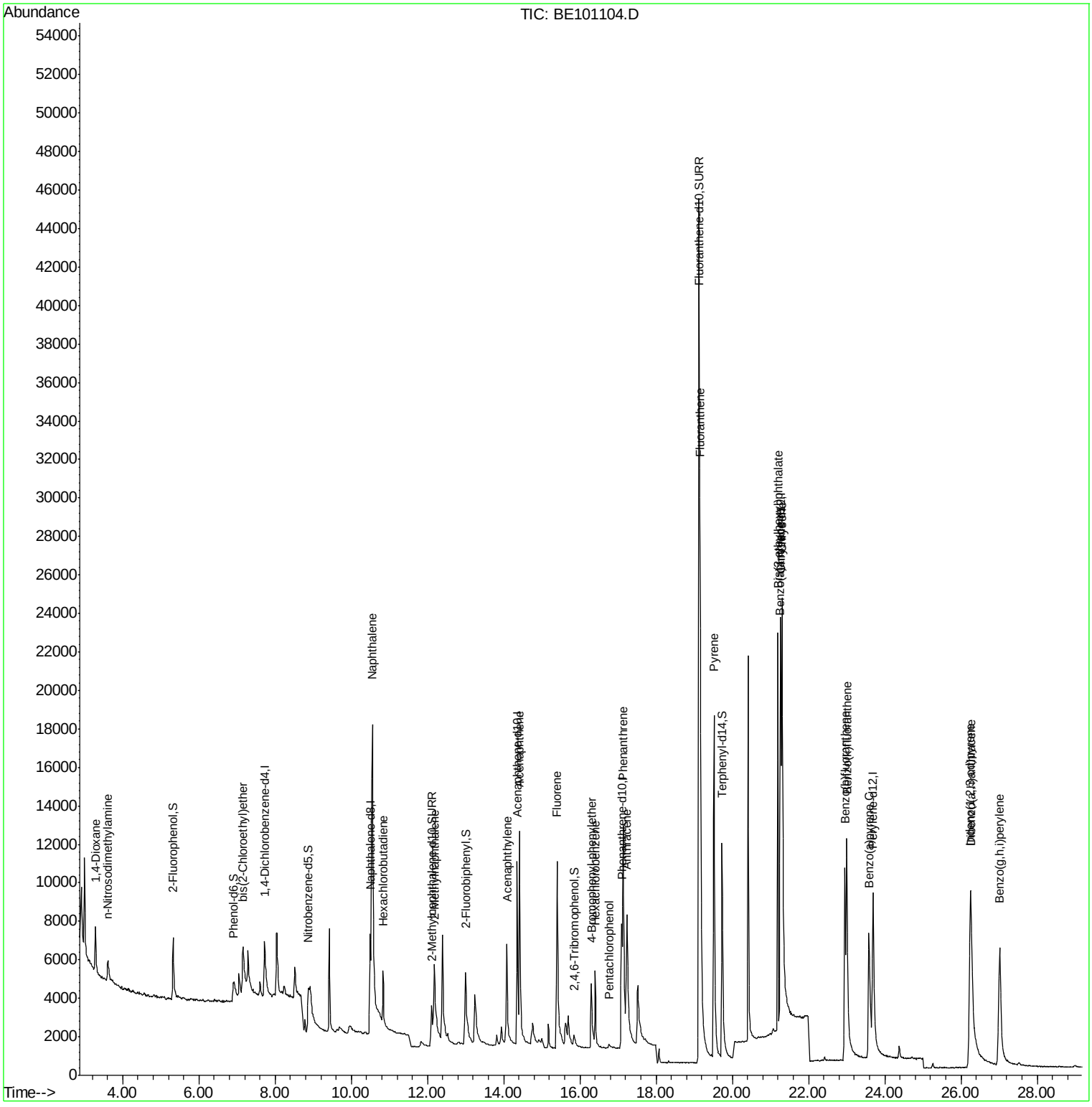
(#) = qualifier out of range (m) = manual integration (+) = signals summed

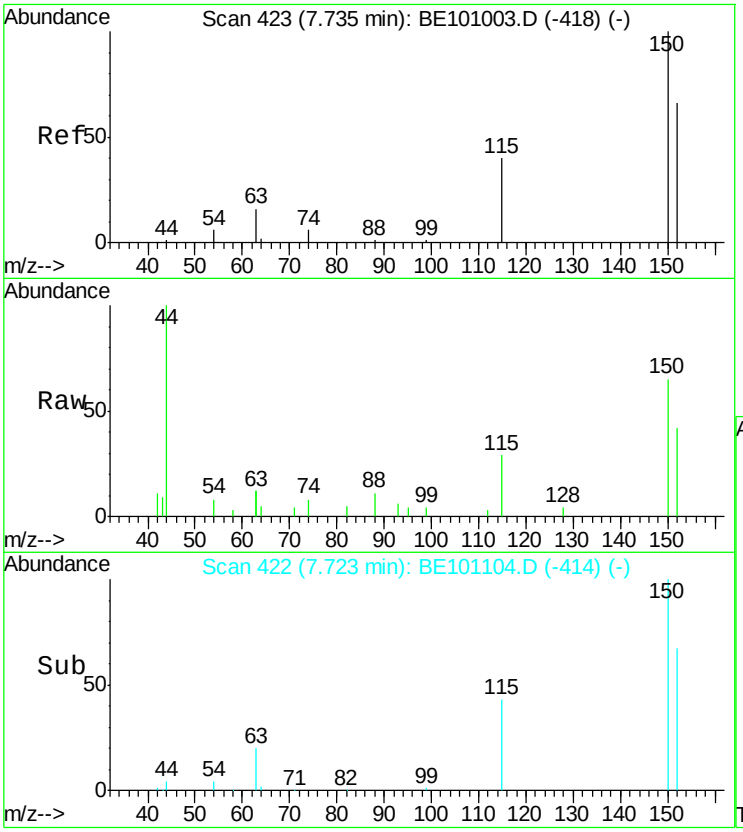
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE012120\
Data File : BE101104.D
Acq On : 21 Jan 2020 9:36
Operator : JU
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Jan 22 07:55:16 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE010820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jan 08 18:36:25 2020
Response via : Initial Calibration



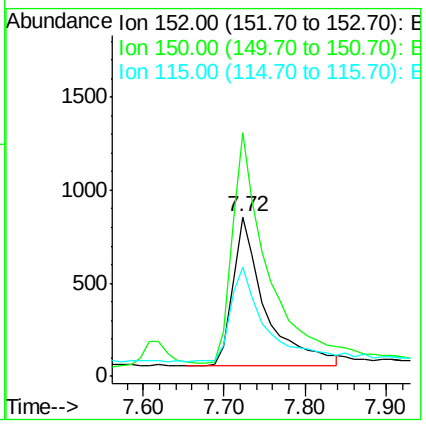


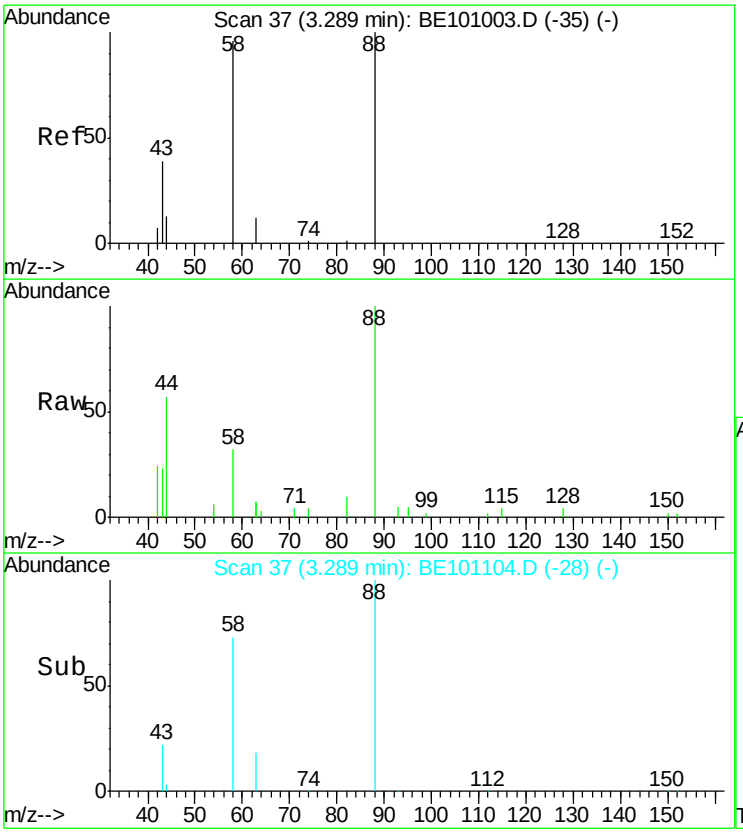
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.72 min Scan# 422
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 2234

Ion	Ratio	Lower	Upper
152	100		
150	152.6	120.3	180.5
115	68.5	51.7	77.5

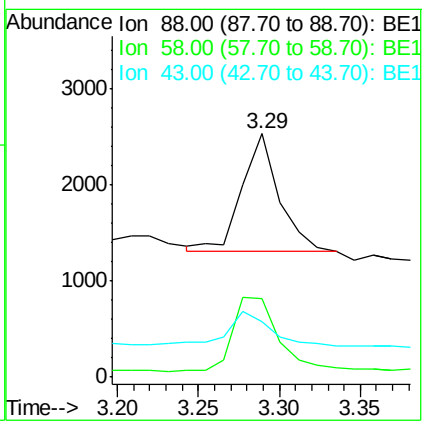


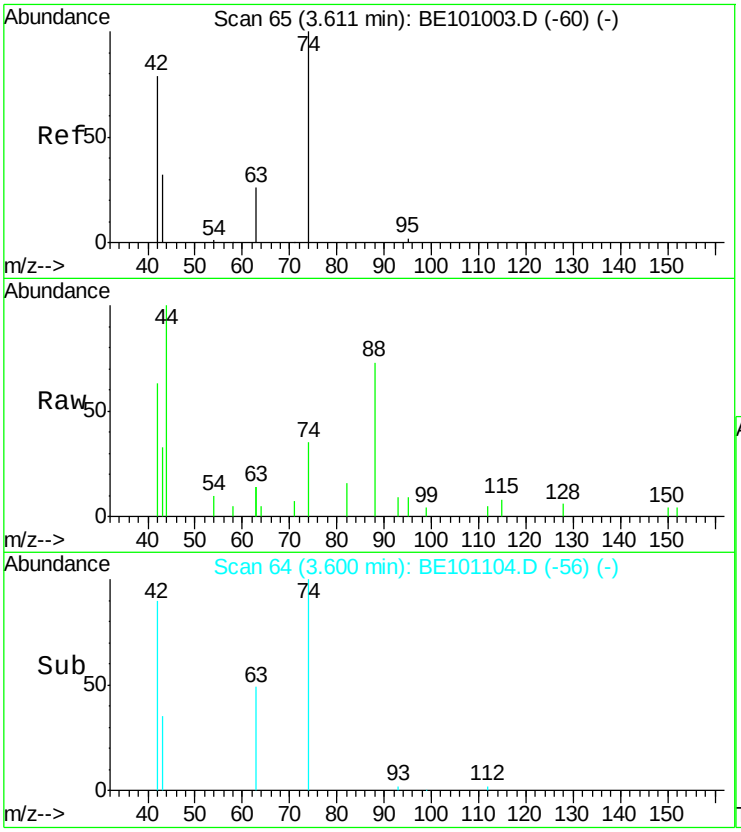


#2
1,4-Dioxane
Concen: 0.347 ng
RT: 3.29 min Scan# 37
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion: 88 Resp: 1958

Ion	Ratio	Lower	Upper
88	100		
58	76.5	53.0	79.4
43	31.9	23.4	35.2



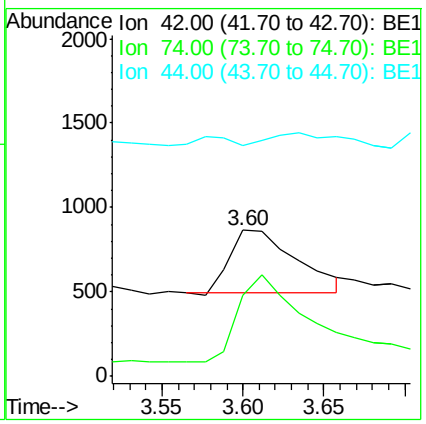


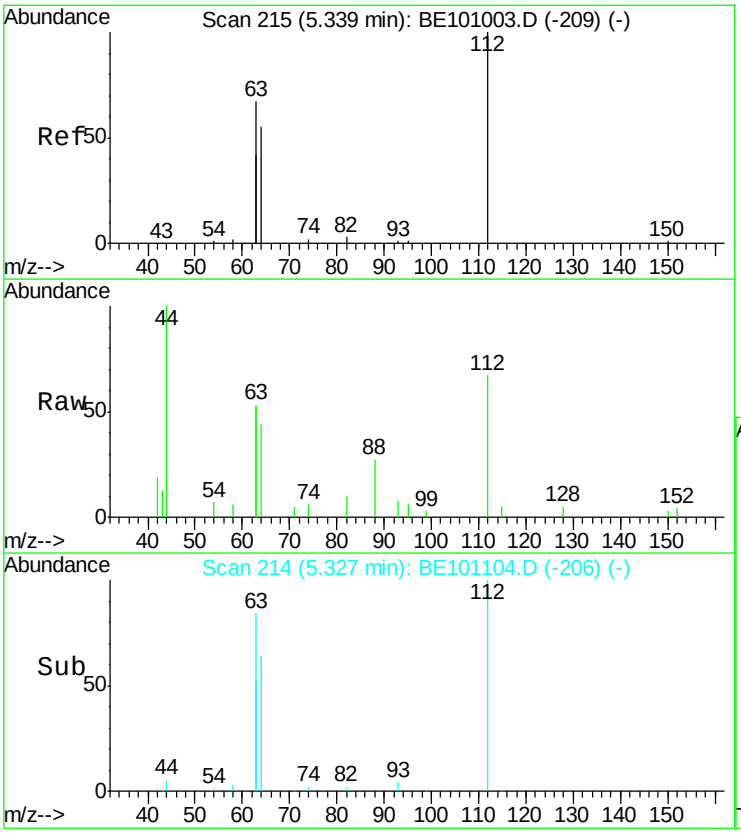
#3
n-Nitrosodimethylamine
Concen: 0.335 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1041

Ion	Ratio	Lower	Upper
42	100		
74	138.1	105.7	158.5
44	0.0	10.0	15.0#

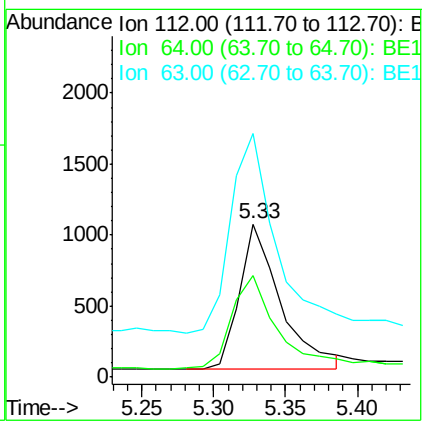


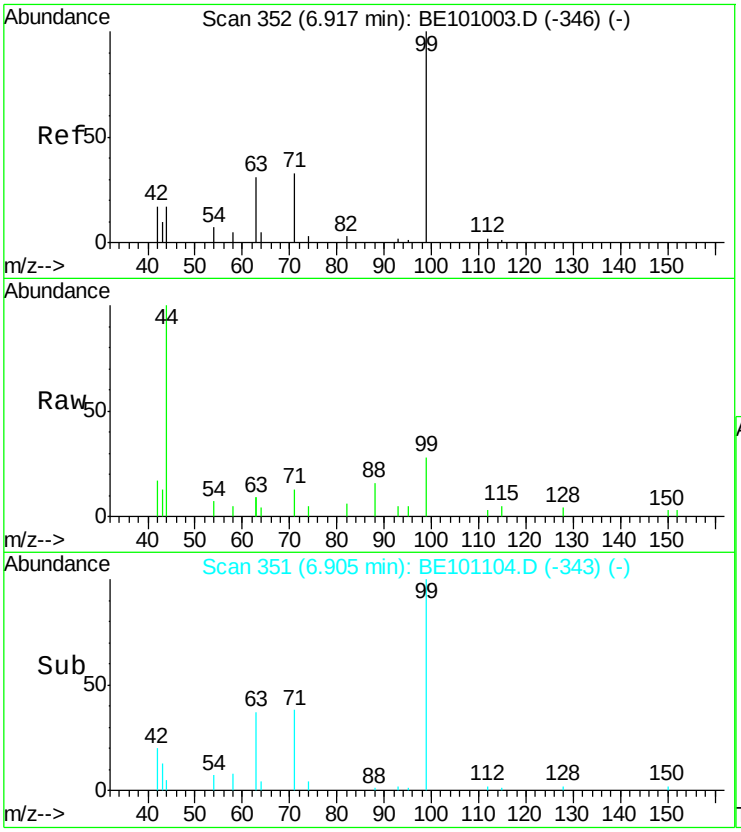


#4
2-Fluorophenol
Concen: 0.411 ng
RT: 5.33 min Scan# 214
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:112 Resp: 2068

Ion	Ratio	Lower	Upper
112	100		
64	70.2	53.6	80.4
63	150.0	114.6	172.0



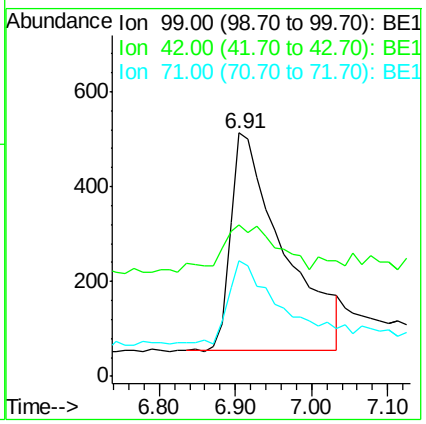


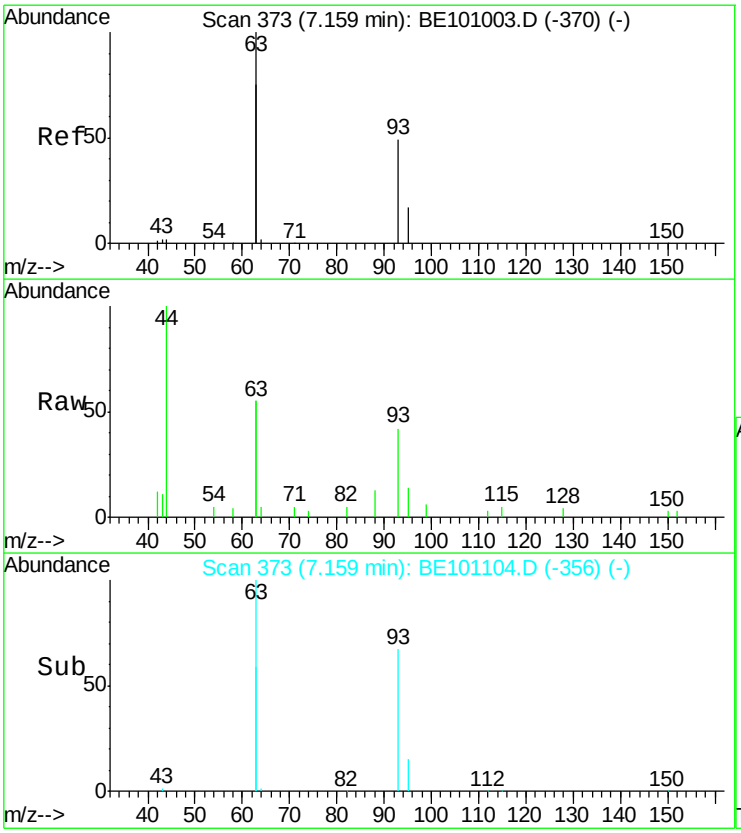
#5
Phenol-d6
Concen: 0.348 ng
RT: 6.91 min Scan# 351
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 2212

Ion	Ratio	Lower	Upper
99	100		
42	23.1	18.3	27.5
71	36.2	28.0	42.0

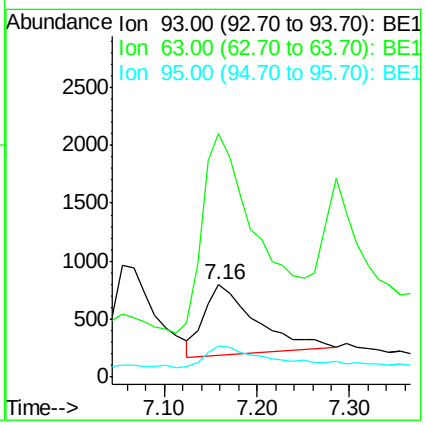


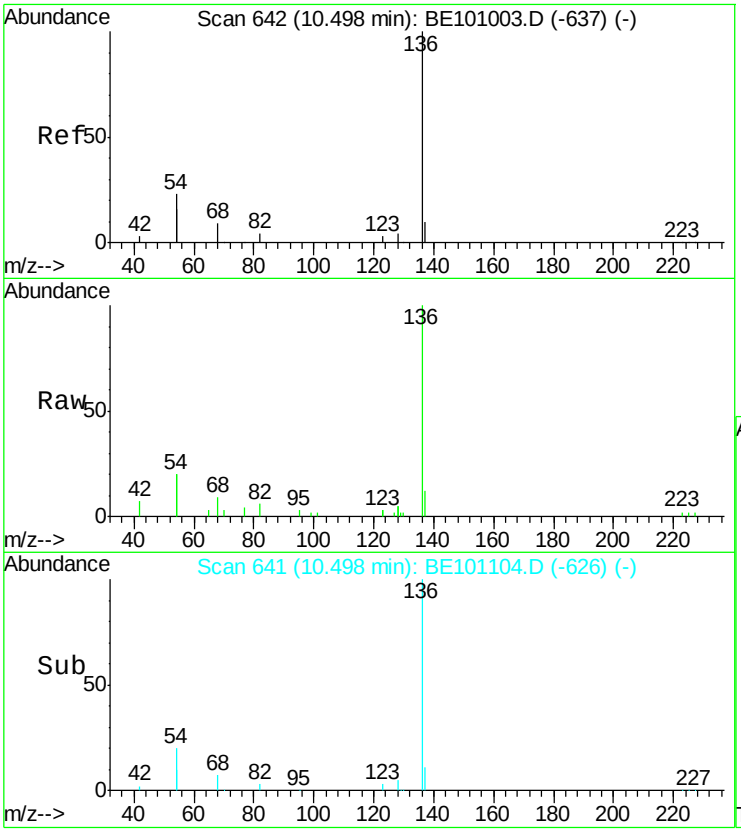


#6
bis(2-Chloroethyl)ether
Concen: 0.311 ng
RT: 7.16 min Scan# 373
Delta R.T. -0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion: 93 Resp: 2356

Ion	Ratio	Lower	Upper
93	100		
63	306.2	233.9	350.9
95	37.6	23.5	35.3#



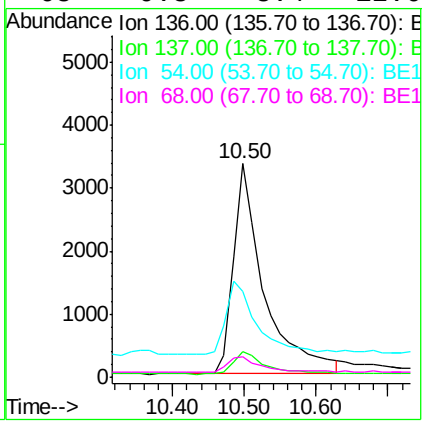


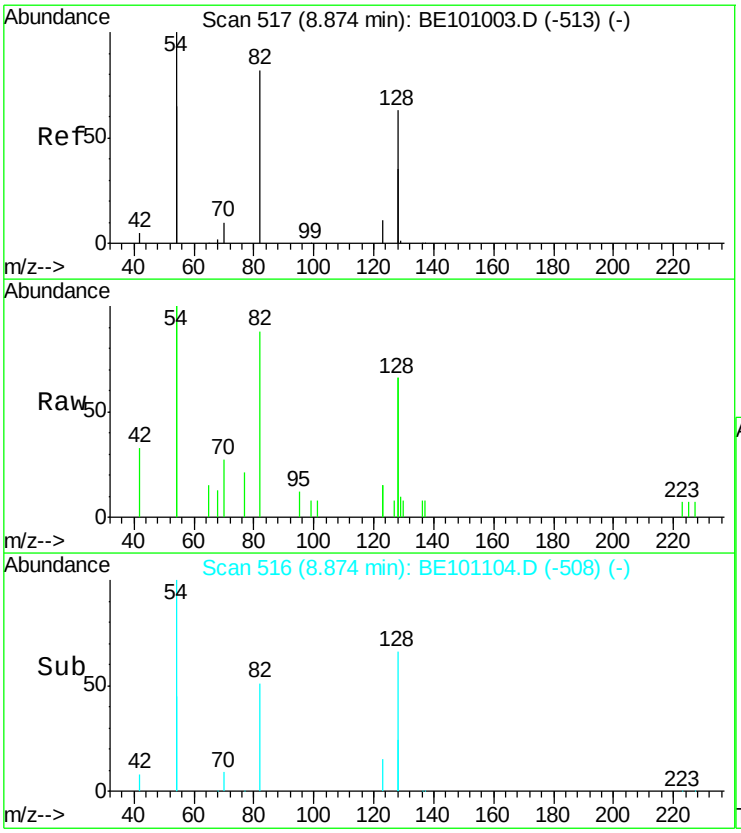
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.50 min Scan# 641
Delta R.T. -0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 9935

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.3	13.9
54	40.2	36.8	55.2
68	9.3	8.4	12.6

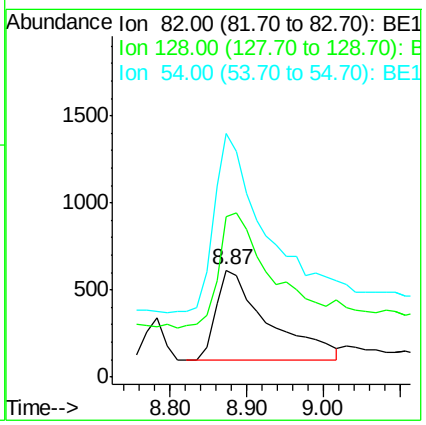


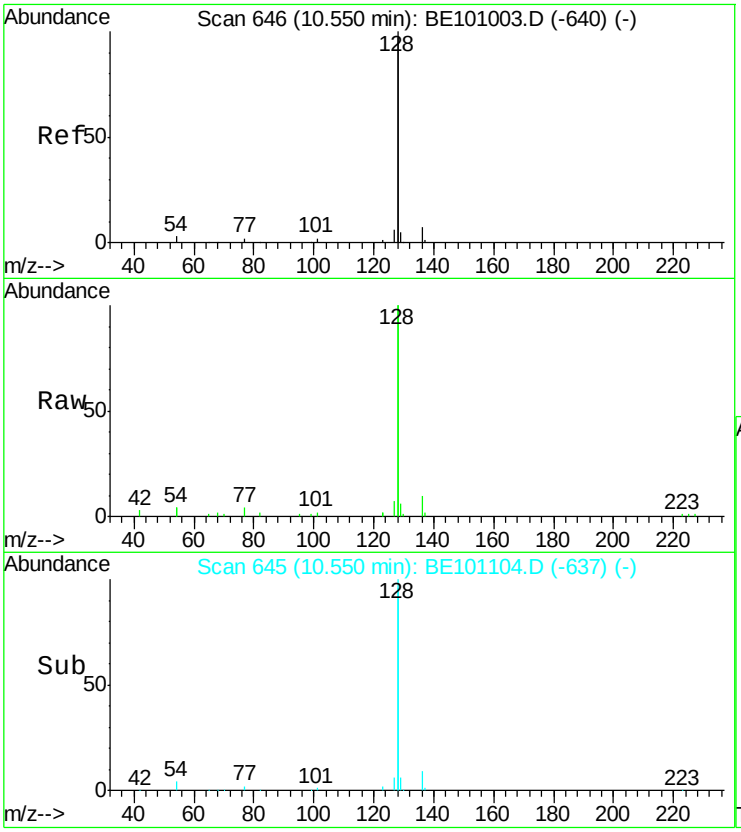


#8
Nitrobenzene-d5
Concen: 0.348 ng
RT: 8.87 min Scan# 516
Delta R.T. -0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion: 82 Resp: 2474

Ion	Ratio	Lower	Upper
82	100		
128	150.7	109.8	164.6
54	228.1	174.5	261.7



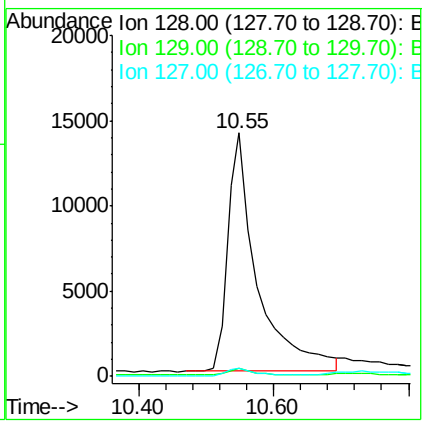


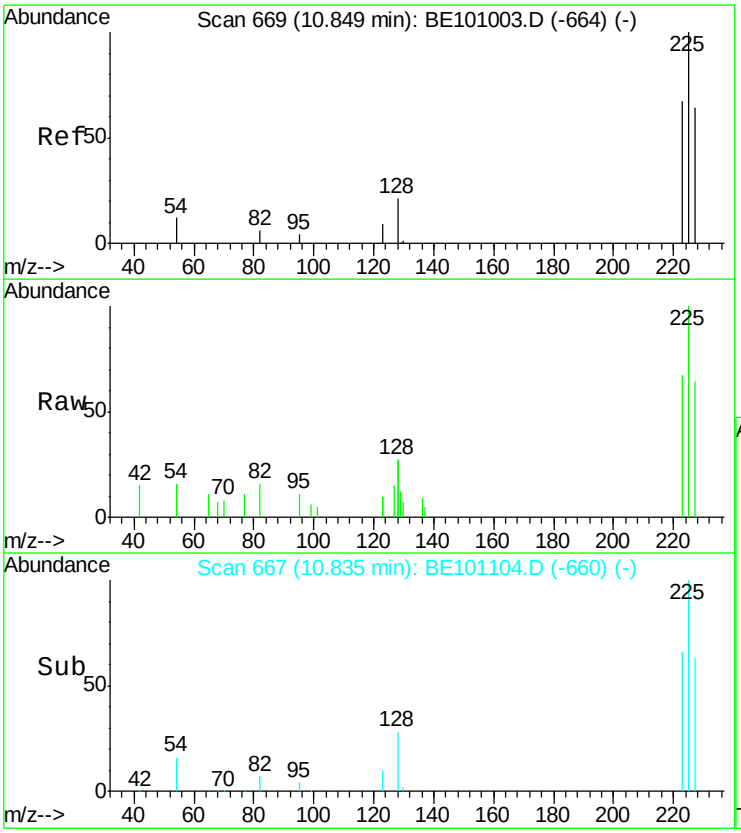
#9
Naphthalene
Concen: 0.391 ng
RT: 10.55 min Scan# 645
Delta R.T. -0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 43139

Ion	Ratio	Lower	Upper
128	100		
129	3.2	2.3	3.5
127	3.3	2.7	4.1

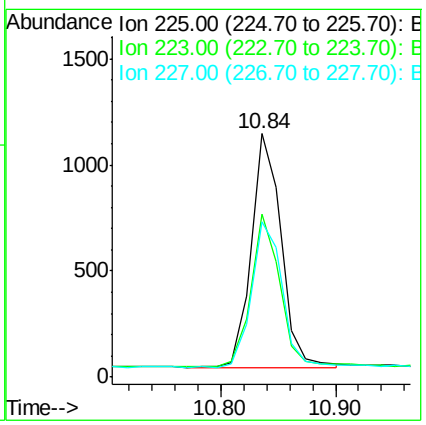


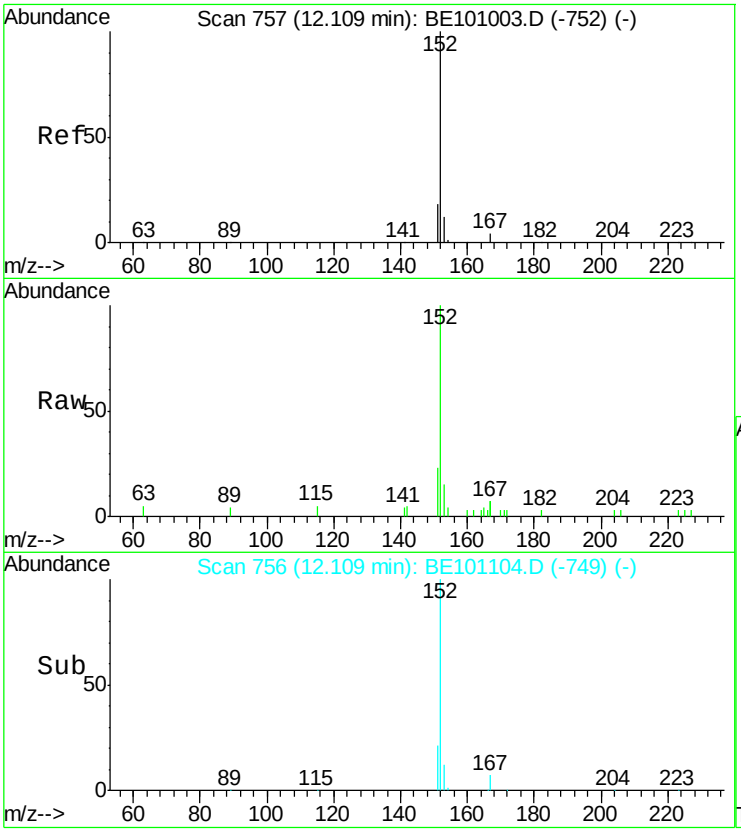


#10
Hexachlorobutadiene
Concen: 0.428 ng
RT: 10.84 min Scan# 667
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:225 Resp: 1998

Ion	Ratio	Lower	Upper
225	100		
223	62.1	52.2	78.4
227	63.8	49.9	74.9



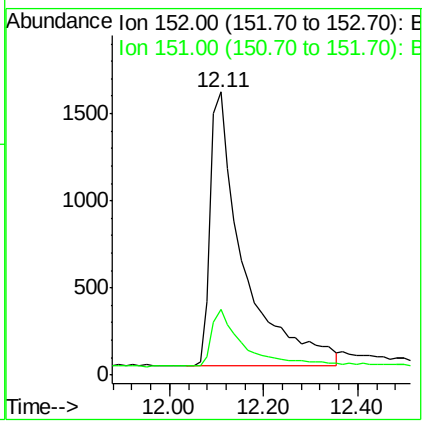


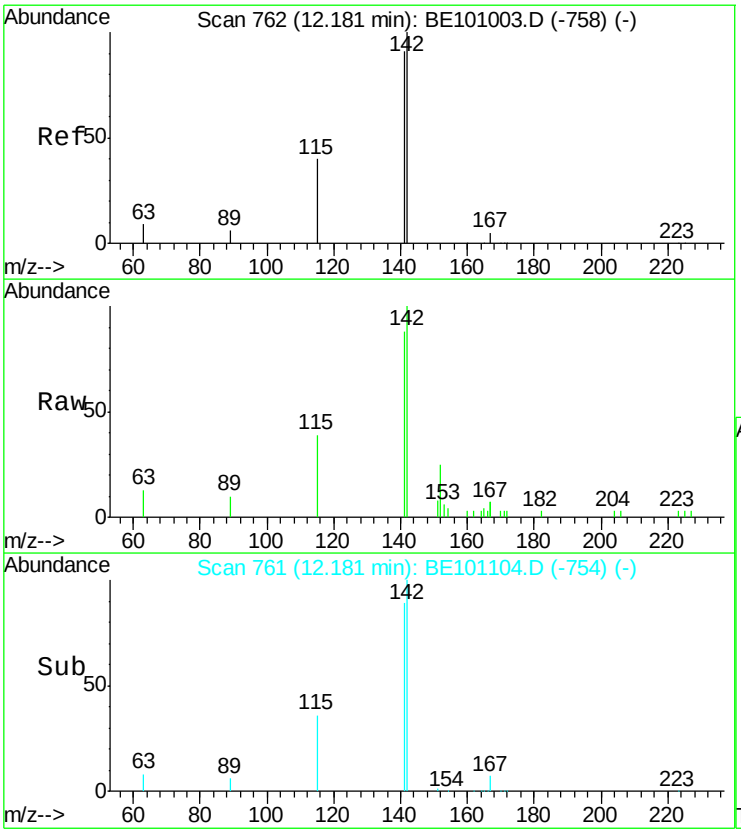
#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 12.11 min Scan# 756
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 7678

Ion	Ratio	Lower	Upper
152	100		
151	19.2	15.0	22.6

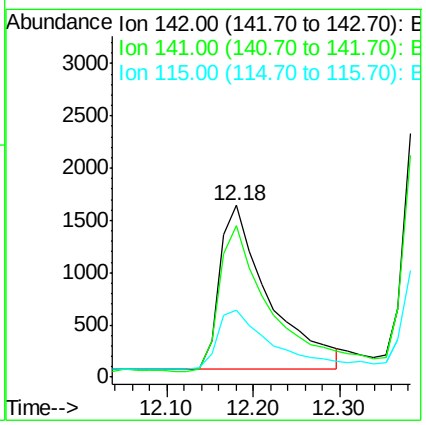


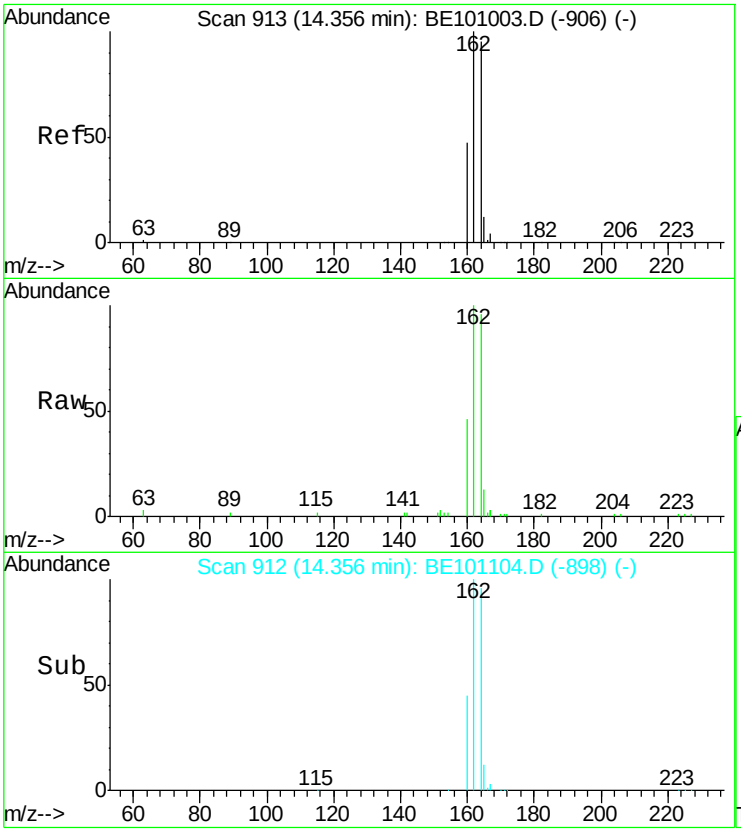


#12
2-Methylnaphthalene
Concen: 0.368 ng
RT: 12.18 min Scan# 761
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:142 Resp: 6133

Ion	Ratio	Lower	Upper
142	100		
141	88.2	72.5	108.7
115	38.7	33.0	49.6



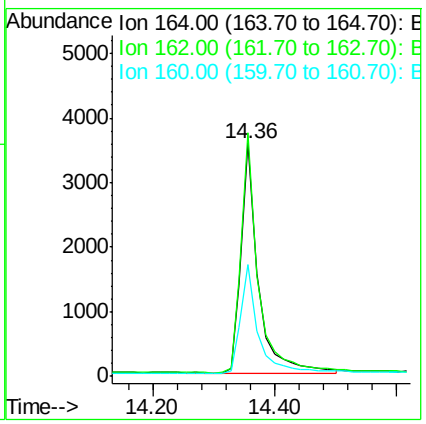


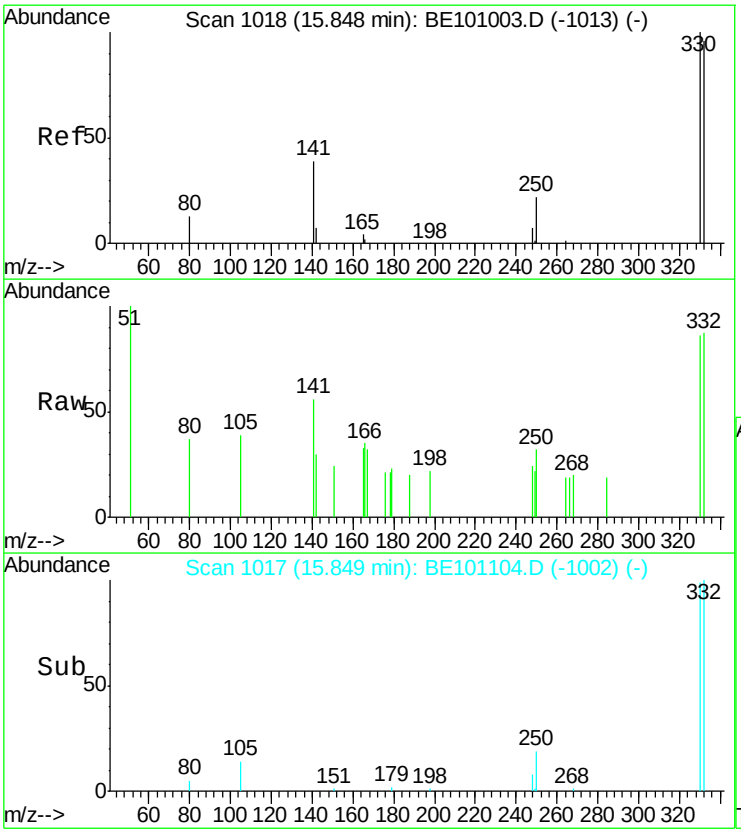
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.36 min Scan# 912
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 7063

Ion	Ratio	Lower	Upper
164	100		
162	104.6	84.1	126.1
160	48.0	40.4	60.6

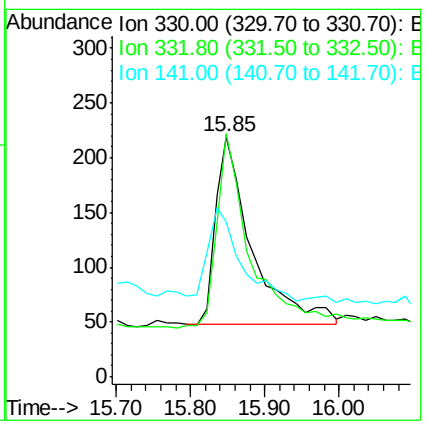


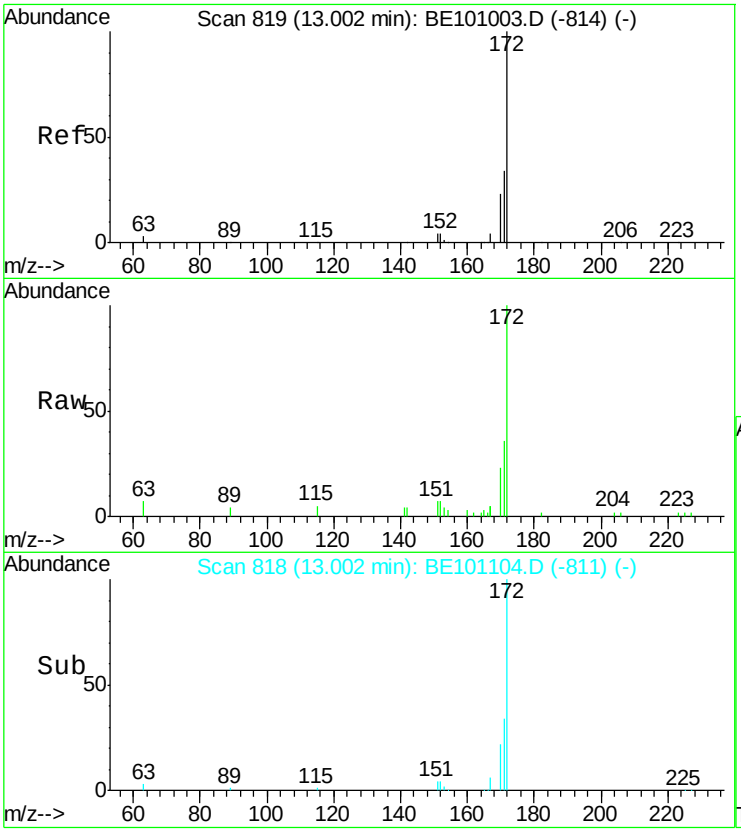


#14
2,4,6-Tribromophenol
Concen: 0.293 ng
RT: 15.85 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:330 Resp: 584

Ion	Ratio	Lower	Upper
330	100		
332	95.4	78.4	117.6
141	44.5	37.0	55.4



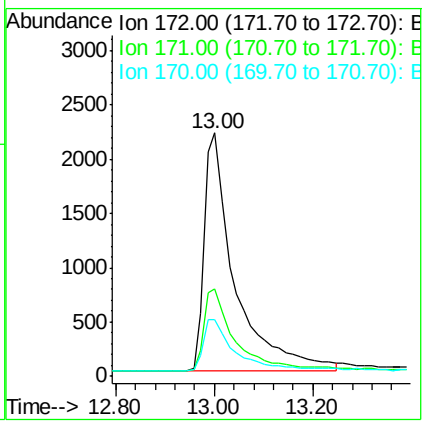


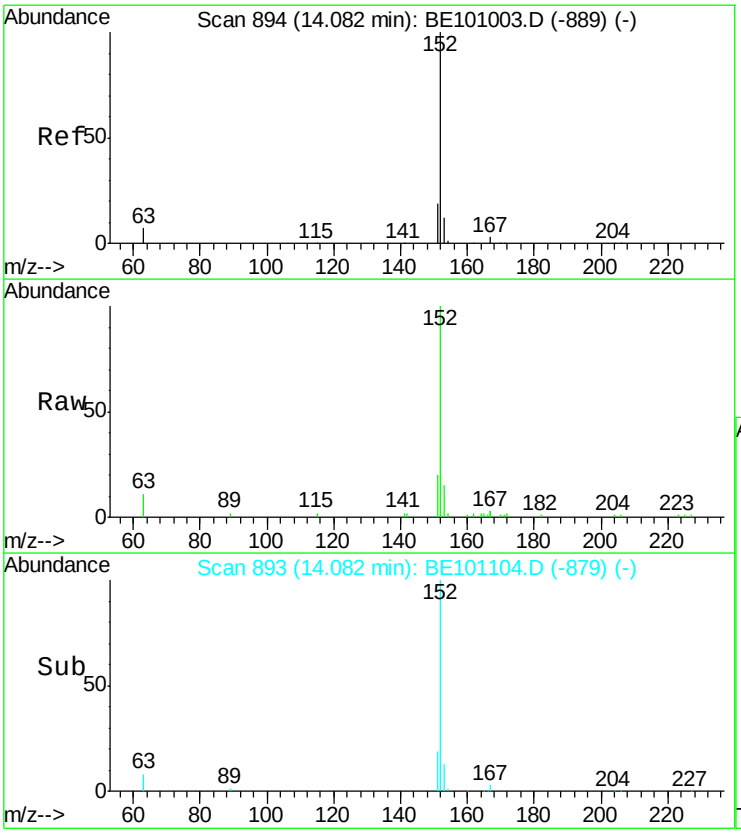
#15
2-Fluorobiphenyl
Concen: 0.351 ng
RT: 13.00 min Scan# 818
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 9426

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.2	42.2
170	23.4	18.9	28.3

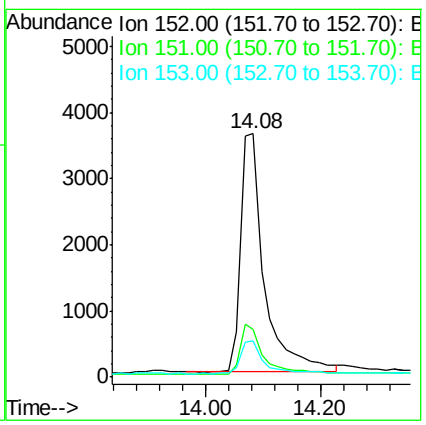


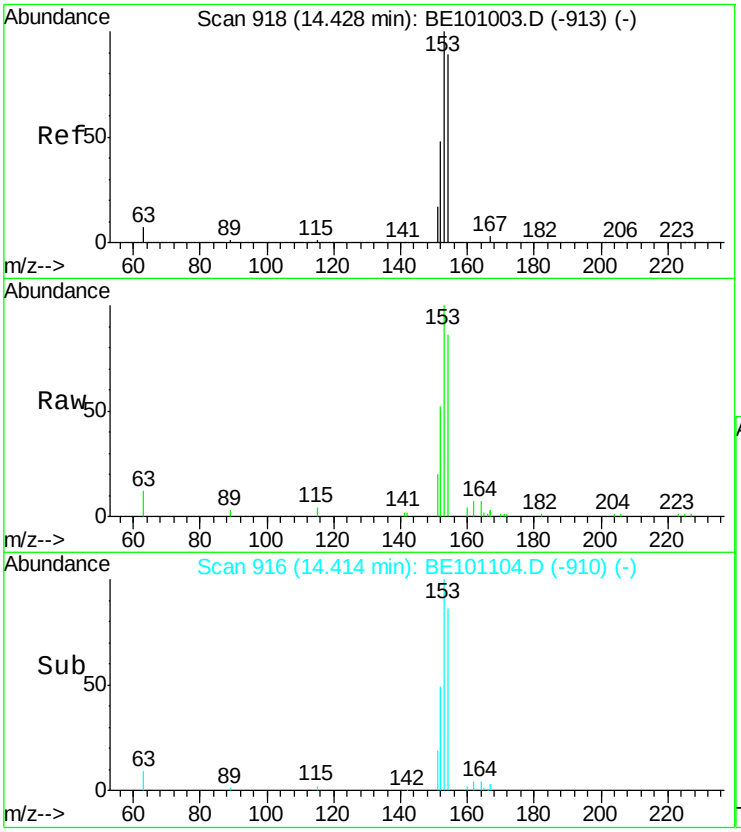


#16
Acenaphthylene
Concen: 0.361 ng
RT: 14.08 min Scan# 893
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:152 Resp: 10391

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.5	23.3
153	13.4	10.4	15.6



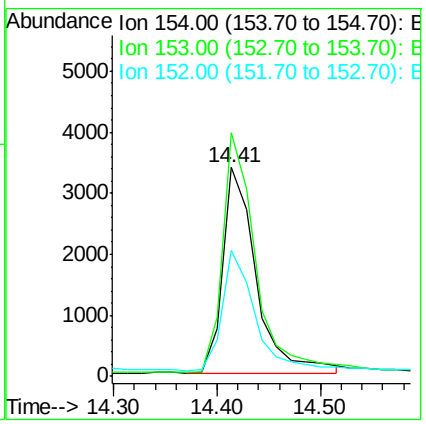


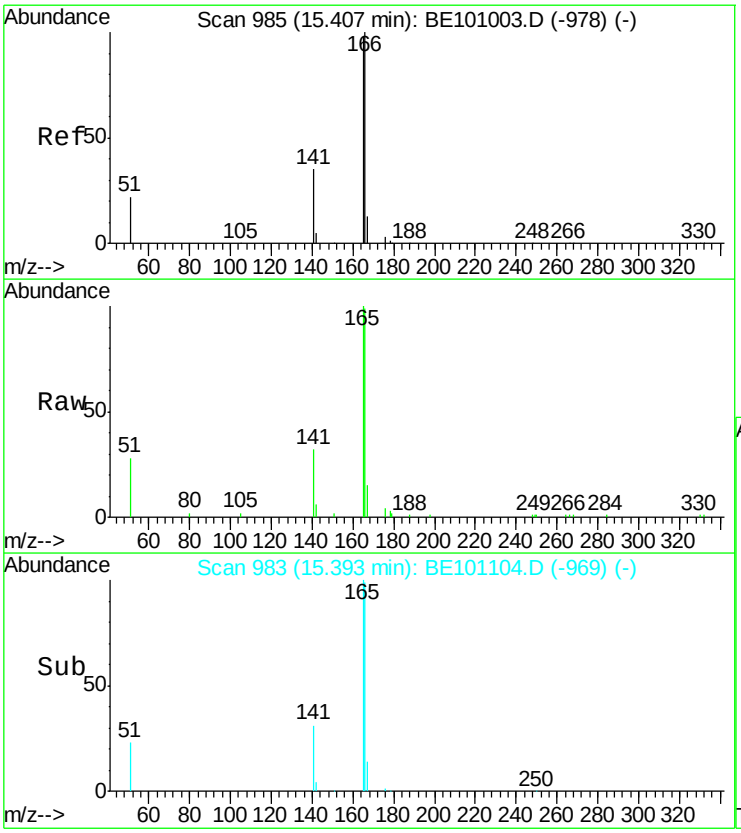
#17
Acenaphthene
Concen: 0.367 ng
RT: 14.41 min Scan# 916
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 7564

Ion	Ratio	Lower	Upper
154	100		
153	115.7	93.6	140.4
152	56.8	46.3	69.5

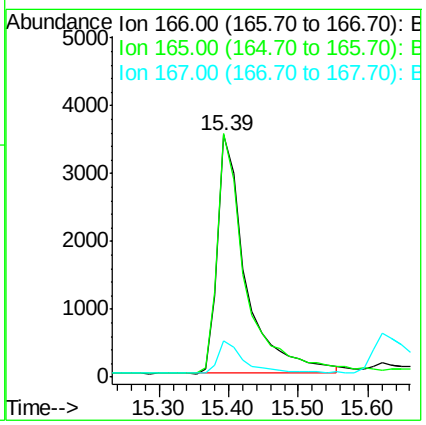


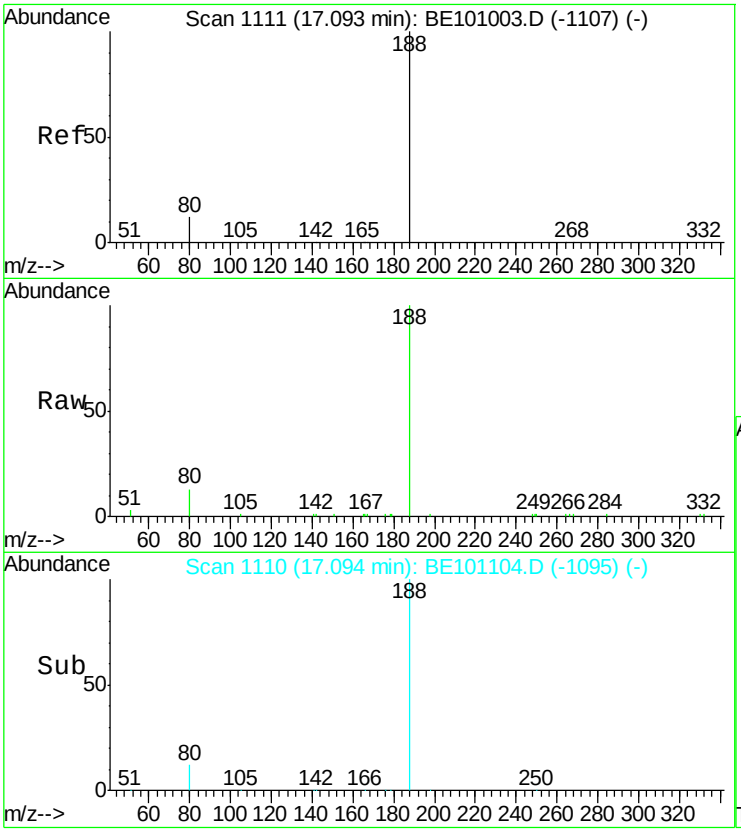


#18
Fluorene
Concen: 0.385 ng
RT: 15.39 min Scan# 983
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:166 Resp: 10008

Ion	Ratio	Lower	Upper
166	100		
165	99.0	79.8	119.8
167	13.0	11.0	16.6



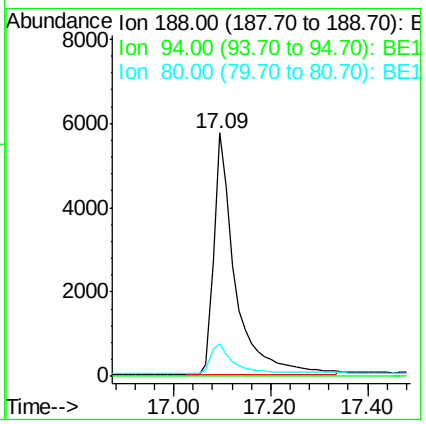


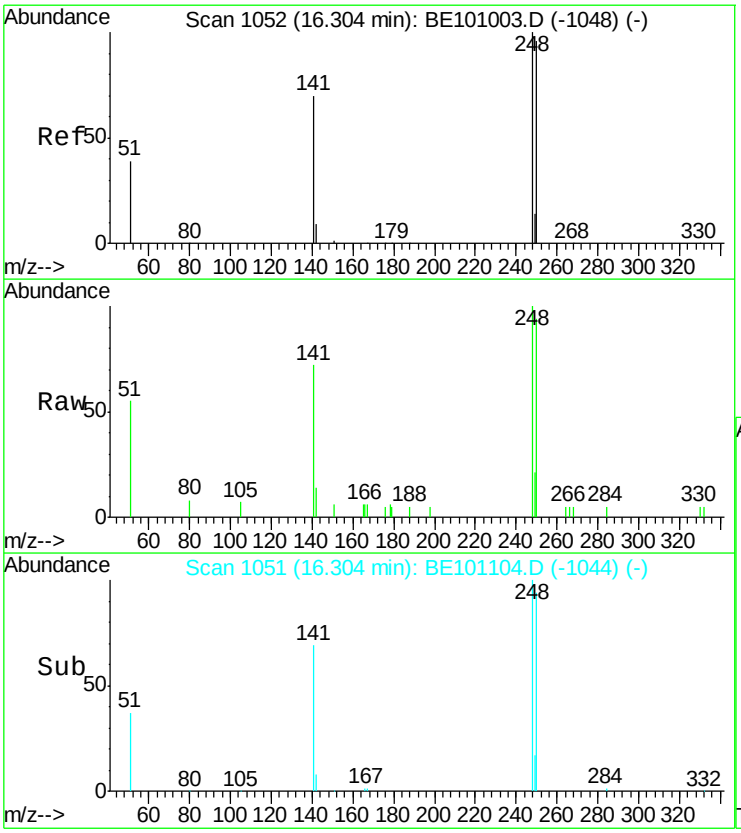
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.09 min Scan# 1110
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 17492

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	13.3	10.8	16.2

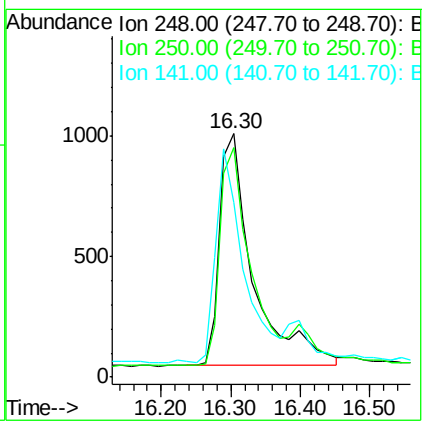


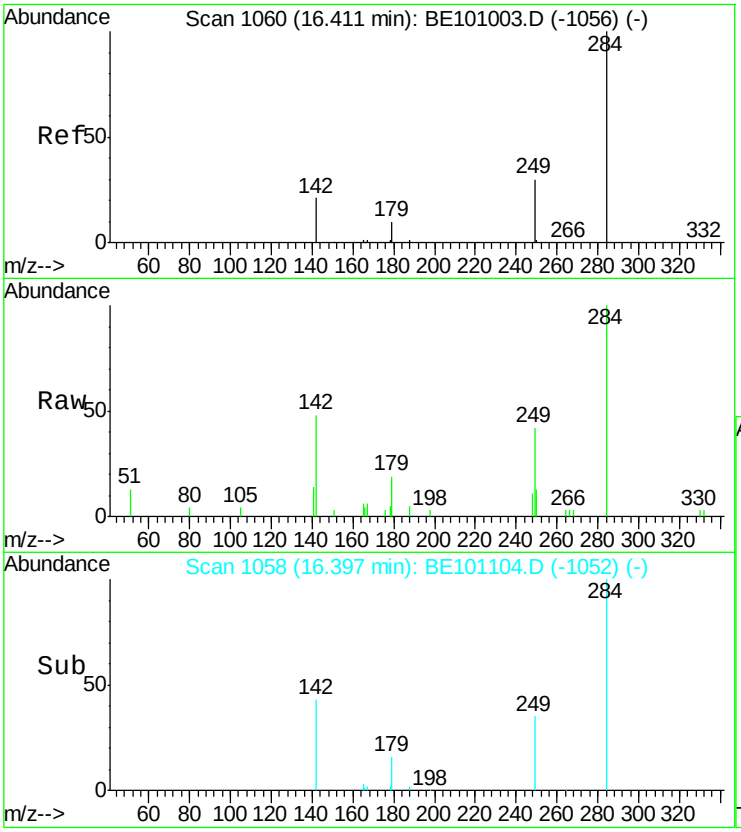


#20
4-Bromophenyl-phenylether
Concen: 0.379 ng
RT: 16.30 min Scan# 1051
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:248 Resp: 3235

Ion	Ratio	Lower	Upper
248	100		
250	94.4	76.6	115.0
141	71.9	57.7	86.5



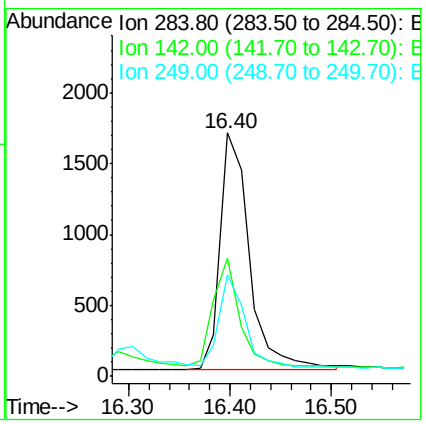


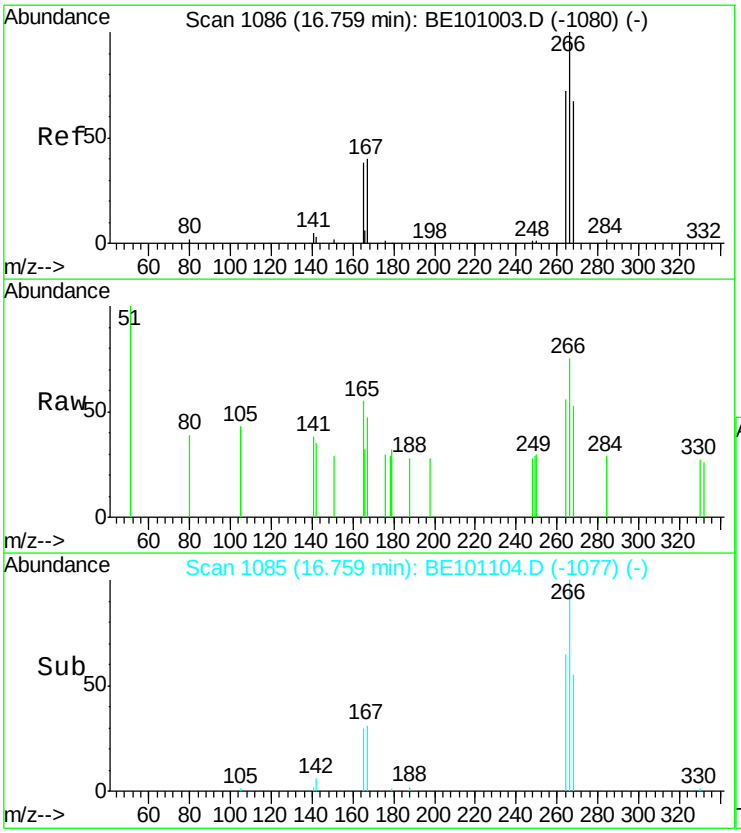
#21
Hexachlorobenzene
Concen: 0.358 ng
RT: 16.40 min Scan# 1058
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 3348

Ion	Ratio	Lower	Upper
284	100		
142	40.8	34.0	51.0
249	35.0	28.2	42.4

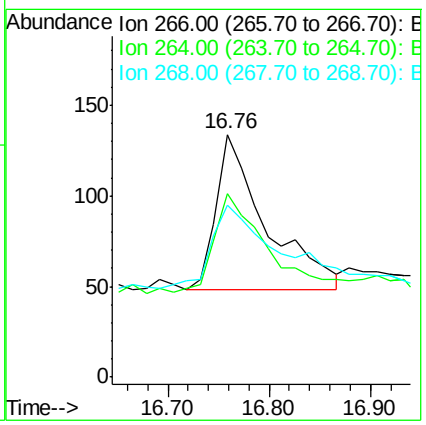


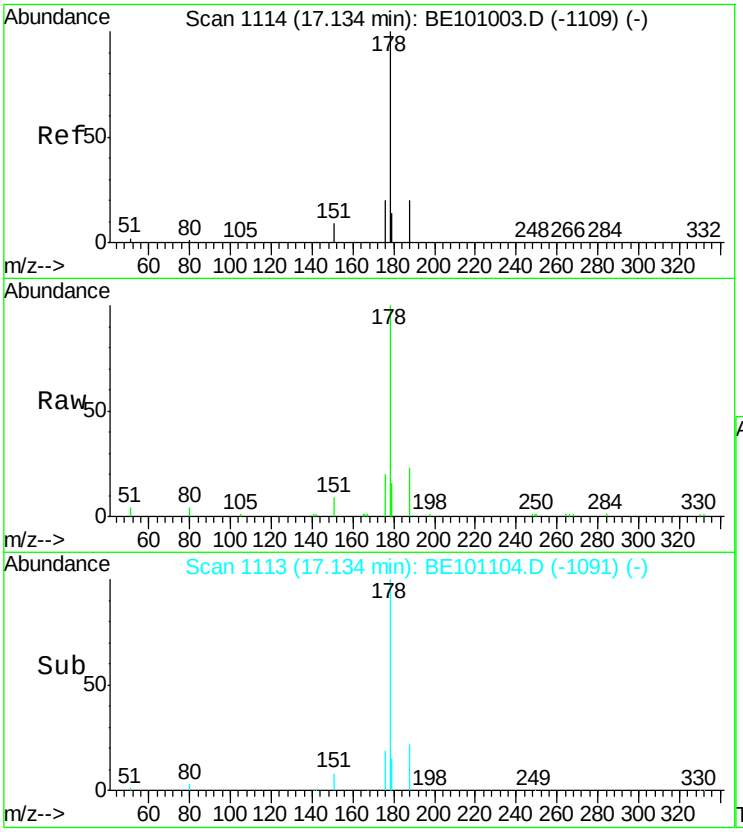


#22
Pentachlorophenol
Concen: 0.339 ng
RT: 16.76 min Scan# 1085
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:266 Resp: 292

Ion	Ratio	Lower	Upper
266	100		
264	75.4	61.0	91.4
268	70.9	58.5	87.7



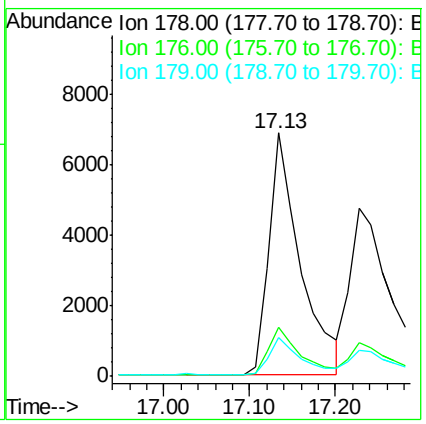


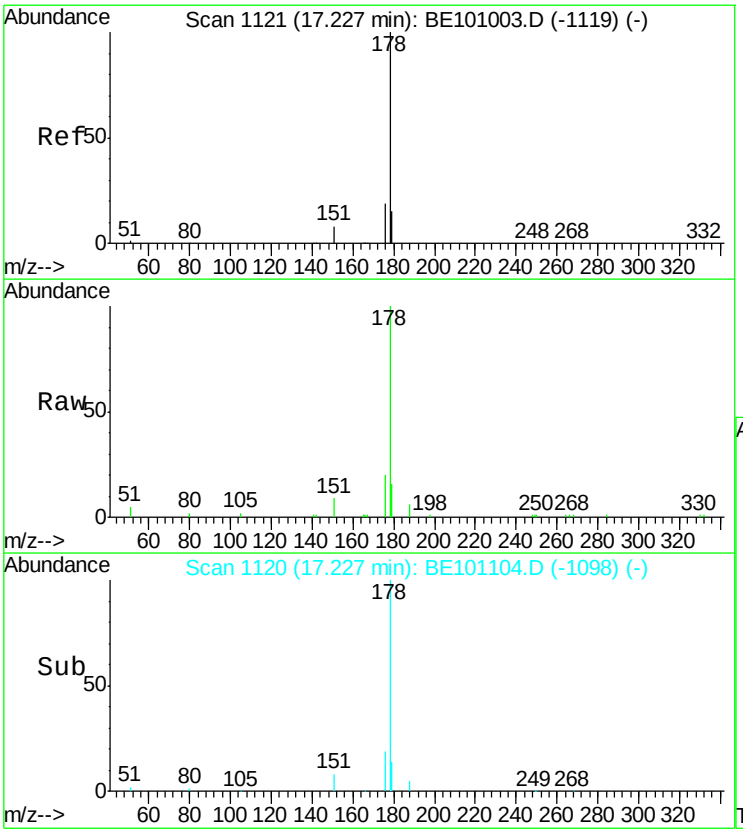
#23
Phenanthrene
Concen: 0.363 ng
RT: 17.13 min Scan# 1113
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 17334

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.3	12.0	18.0

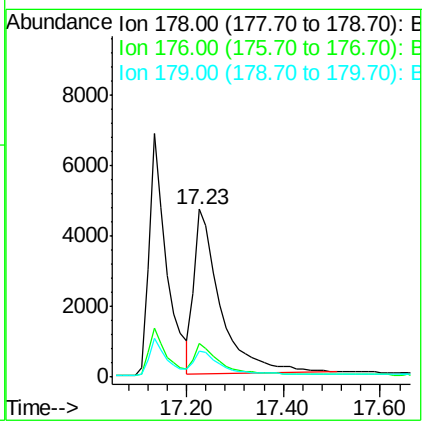


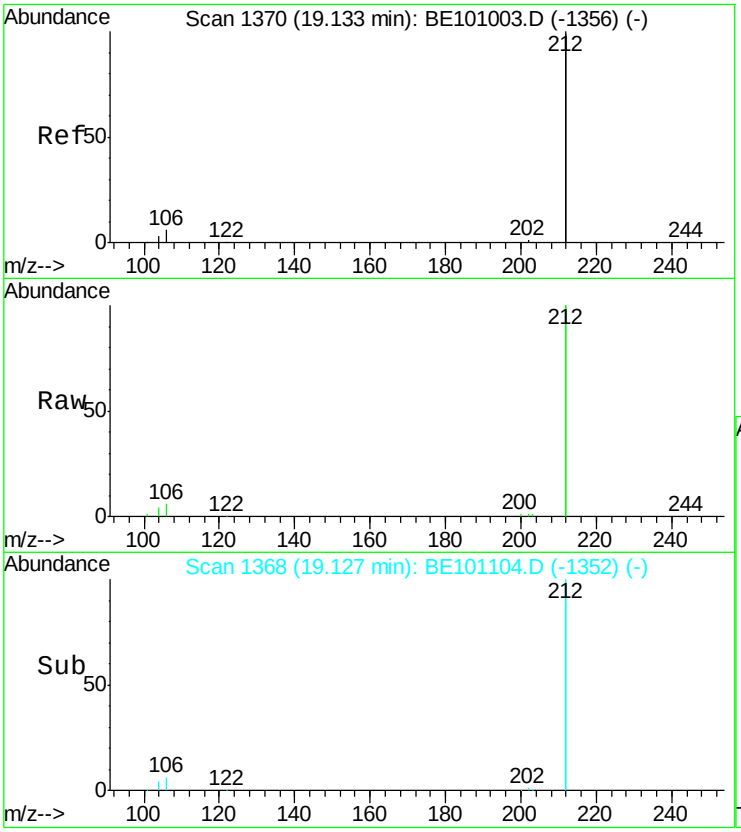


#24
Anthracene
Concen: 0.380 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:178 Resp: 17125

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.8	22.2
179	15.1	12.4	18.6



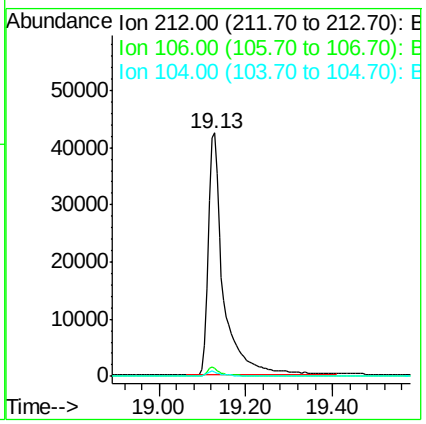


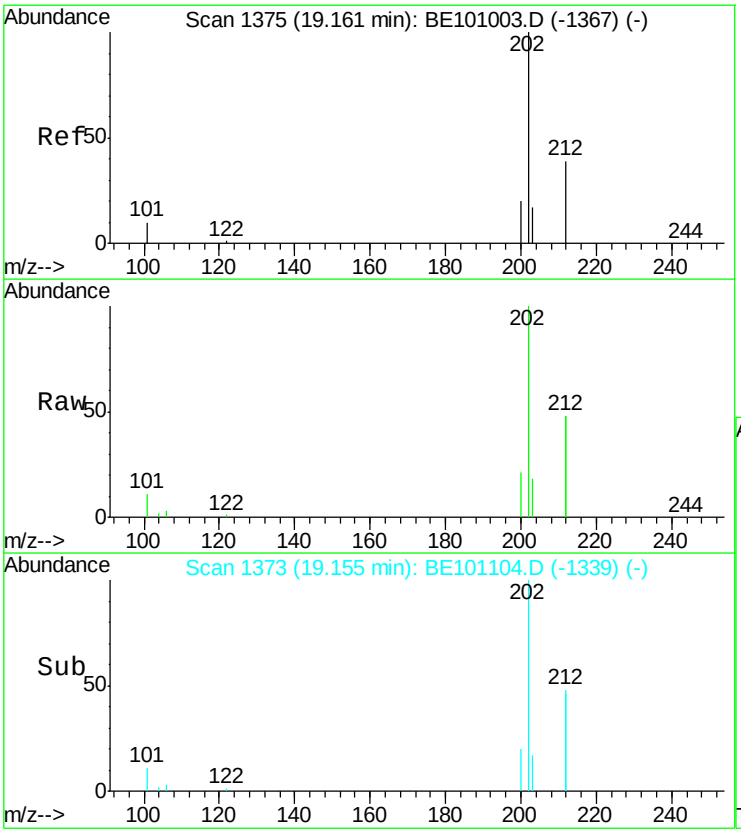
#25
Fluoranthene-d10
Concen: 0.432 ng
RT: 19.13 min Scan# 1368
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 105009

Ion	Ratio	Lower	Upper
212	100		
106	3.3	2.6	3.8
104	1.8	1.4	2.0

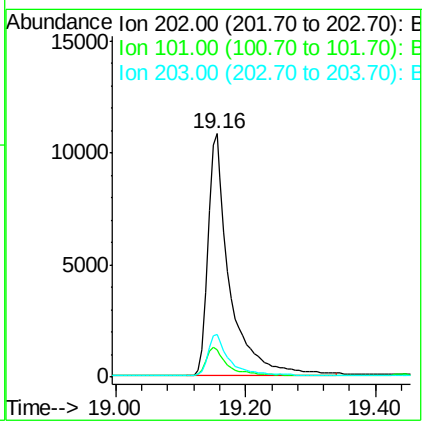


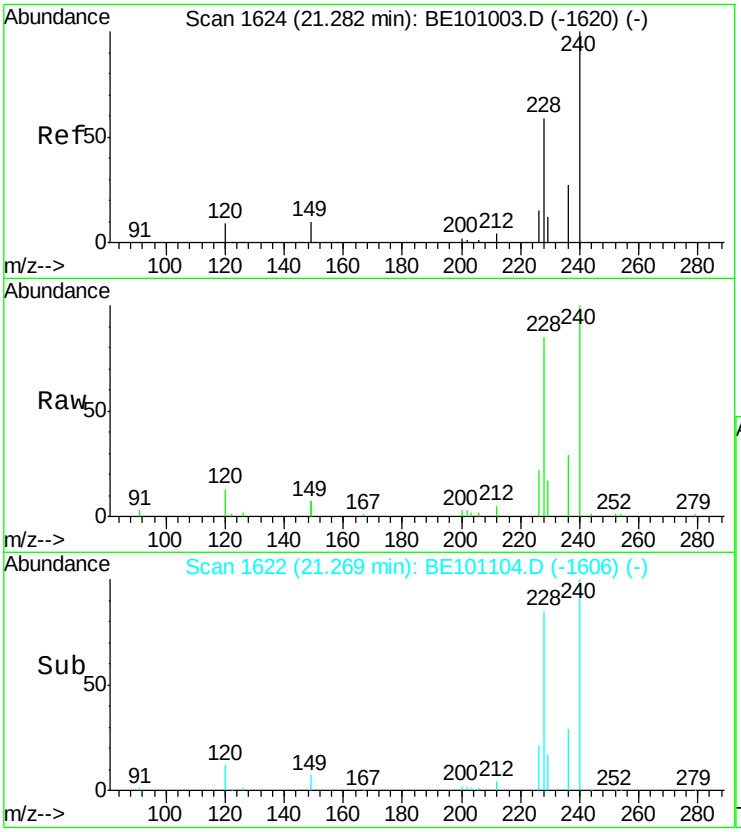


#26
Fluoranthene
Concen: 0.425 ng
RT: 19.16 min Scan# 1373
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:202 Resp: 25452

Ion	Ratio	Lower	Upper
202	100		
101	12.2	9.6	14.4
203	16.8	13.8	20.6



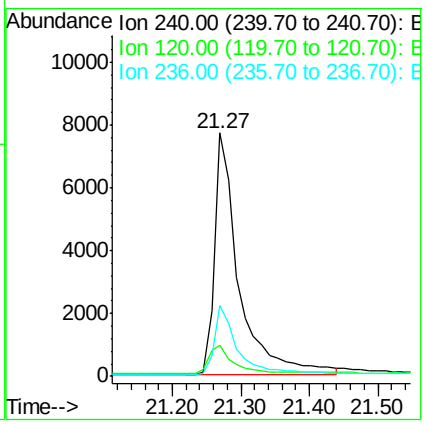


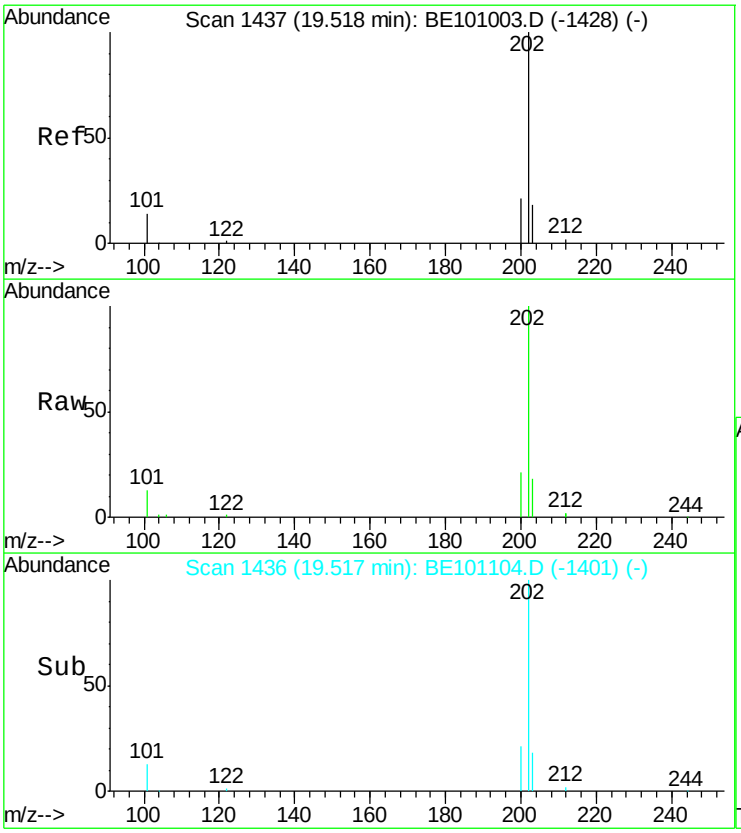
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.27 min Scan# 1622
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 19020

Ion	Ratio	Lower	Upper
240	100		
120	12.6	8.6	13.0
236	29.2	22.2	33.4

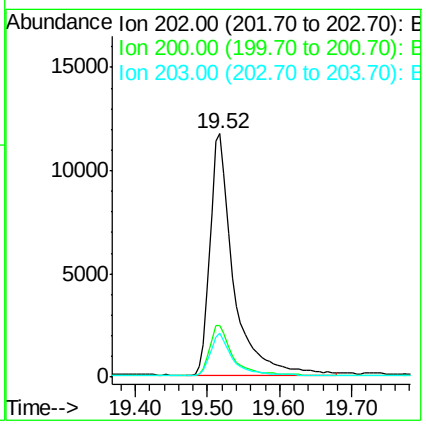


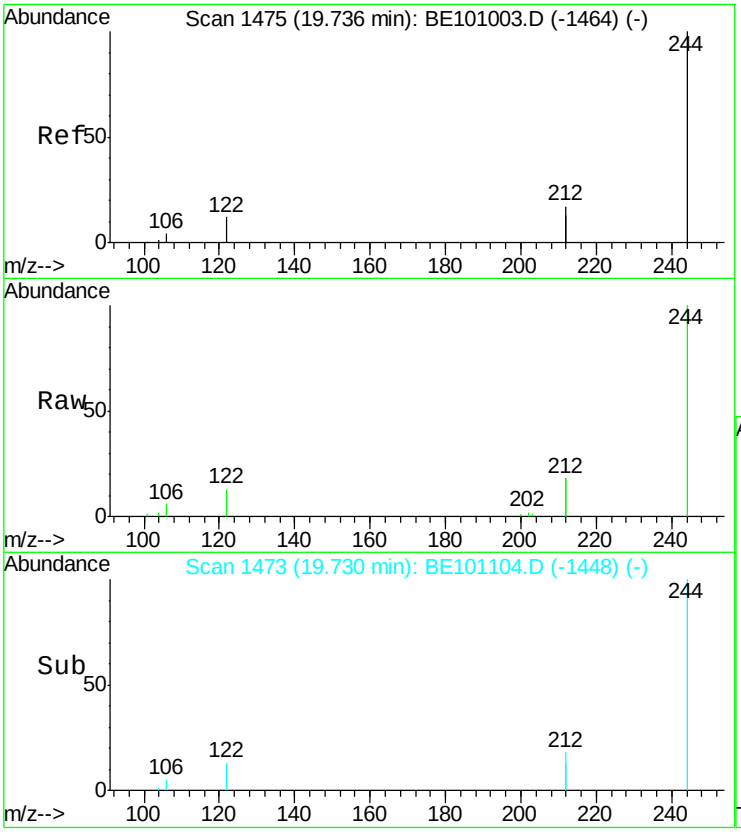


#28
Pyrene
Concen: 0.372 ng
RT: 19.52 min Scan# 1436
Delta R.T. -0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:202 Resp: 26361

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.0	25.4
203	16.9	13.8	20.6



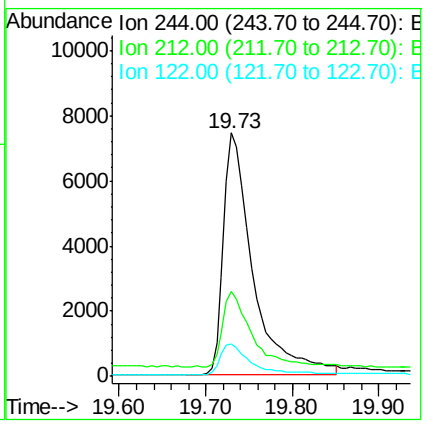


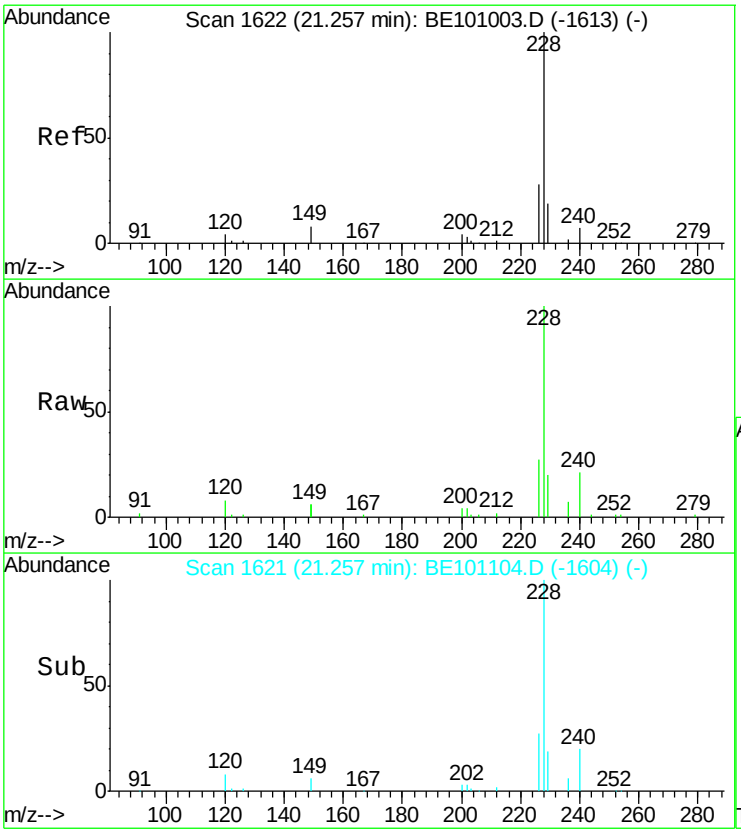
#29
Terphenyl-d14
Concen: 0.378 ng
RT: 19.73 min Scan# 1473
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 17671

Ion	Ratio	Lower	Upper
244	100		
212	35.0	27.2	40.8
122	13.4	9.8	14.8

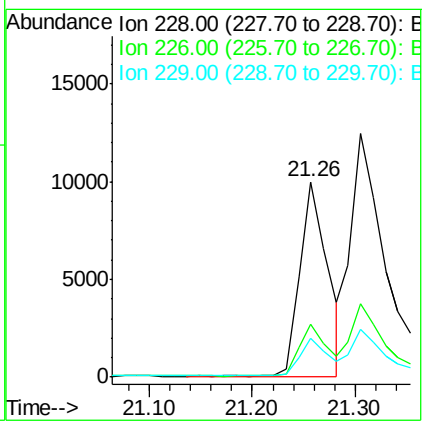


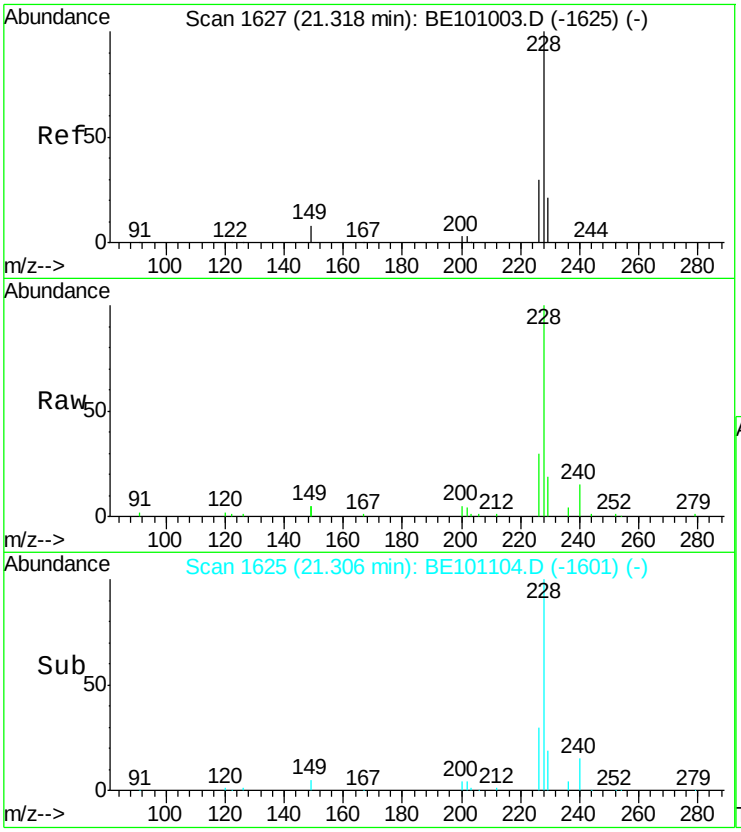


#30
Benzo(a)anthracene
Concen: 0.344 ng
RT: 21.26 min Scan# 1621
Delta R.T. -0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:228 Resp: 18689

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.7	34.1
229	19.8	15.5	23.3



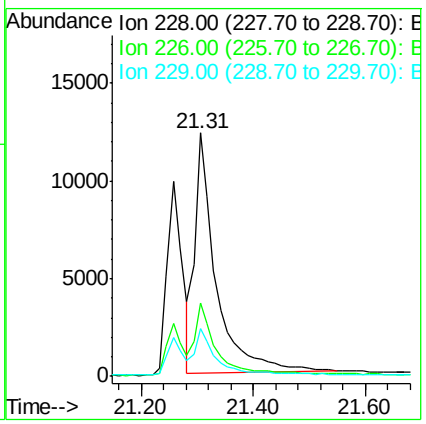


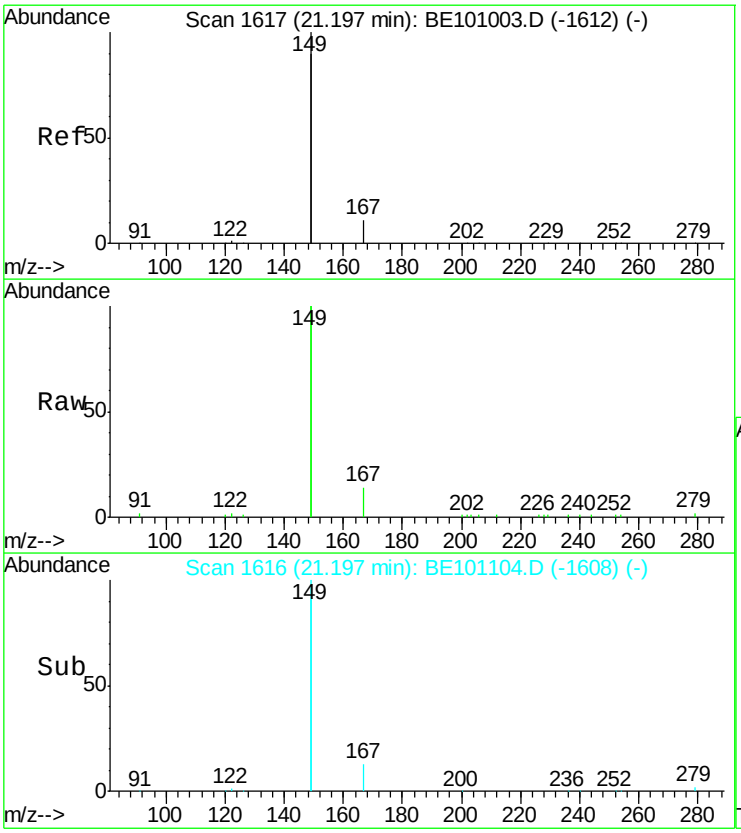
#31
Chrysene
Concen: 0.401 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 32358

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.5	35.3
229	19.4	16.7	25.1

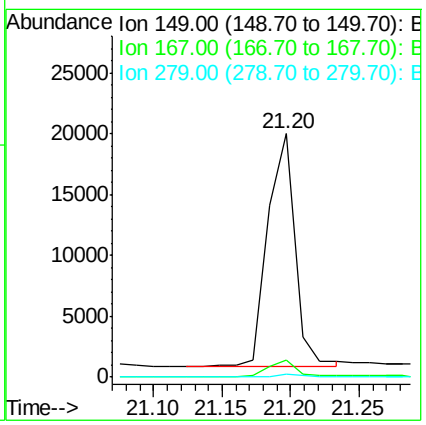


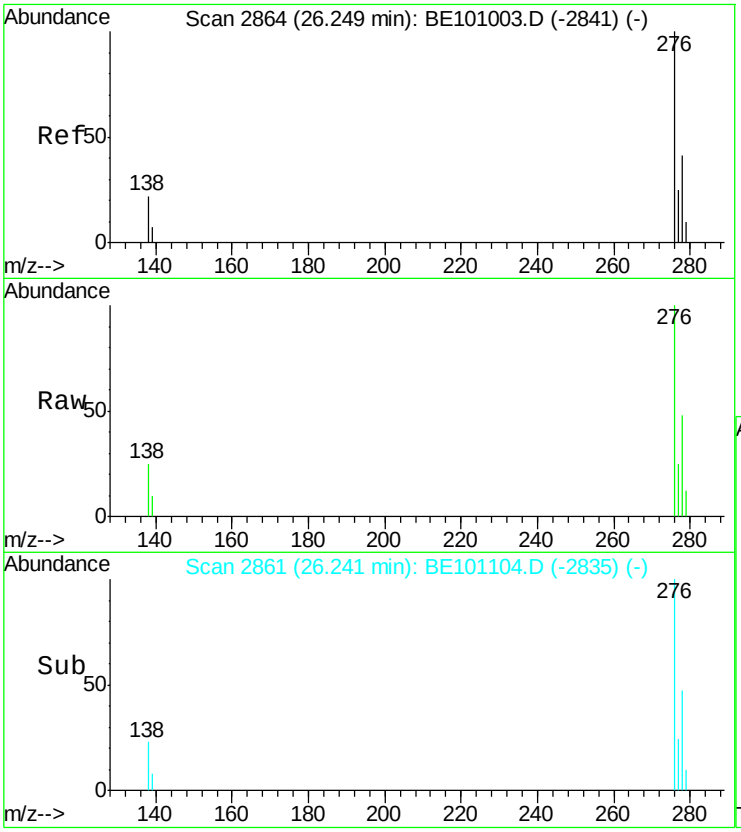


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.290 ng
RT: 21.20 min Scan# 1616
Delta R.T. -0.00 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:149 Resp: 26222

Ion	Ratio	Lower	Upper
149	100		
167	6.5	5.2	7.8
279	0.9	0.8	1.2



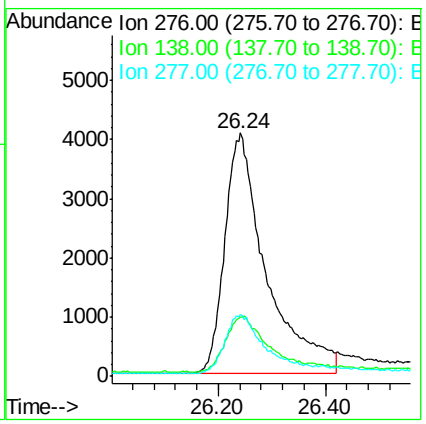


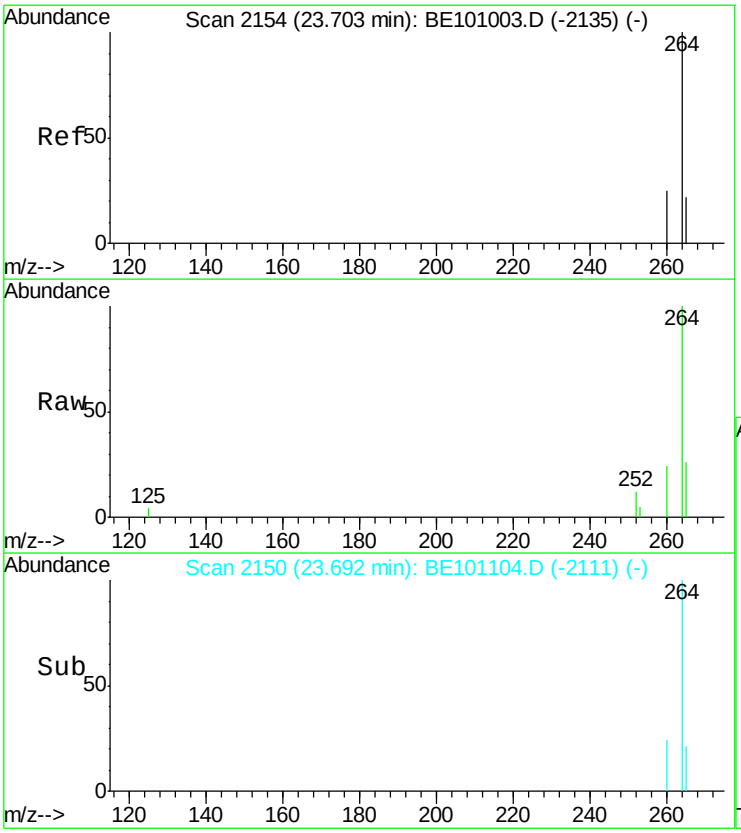
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.342 ng
RT: 26.24 min Scan# 2861
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 21808

Ion	Ratio	Lower	Upper
276	100		
138	23.2	16.1	24.1
277	23.0	18.1	27.1

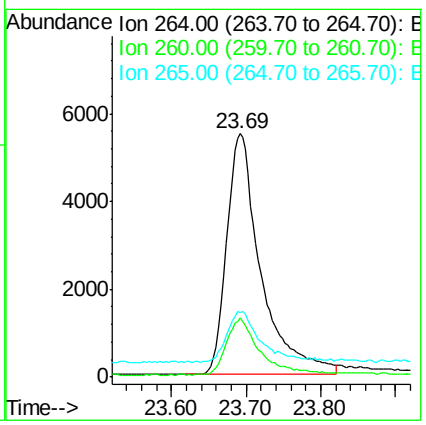


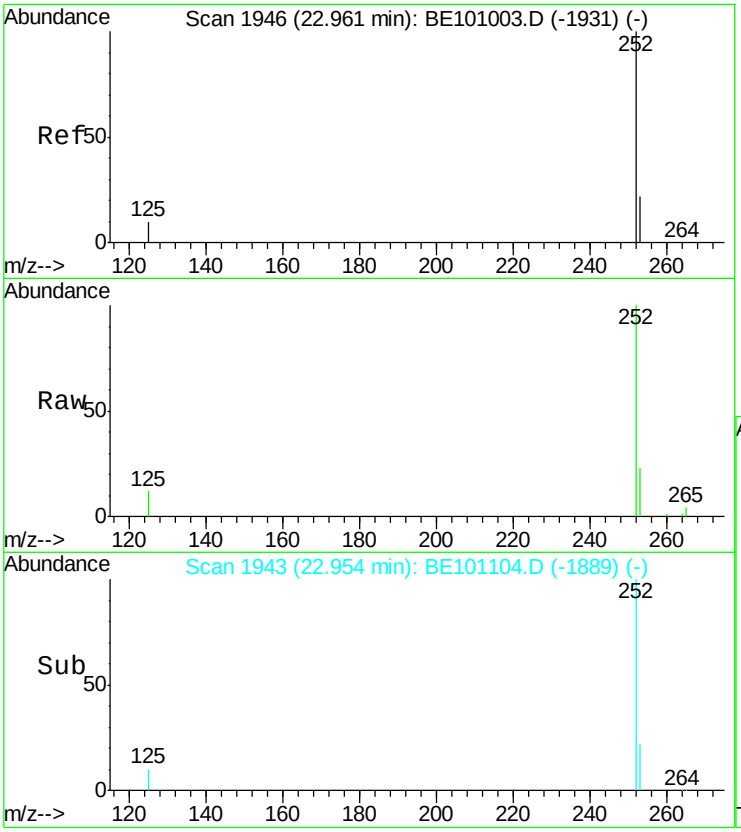


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.69 min Scan# 2150
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:264 Resp: 17449

Ion	Ratio	Lower	Upper
264	100		
260	24.4	20.3	30.5
265	26.5	27.0	40.4#



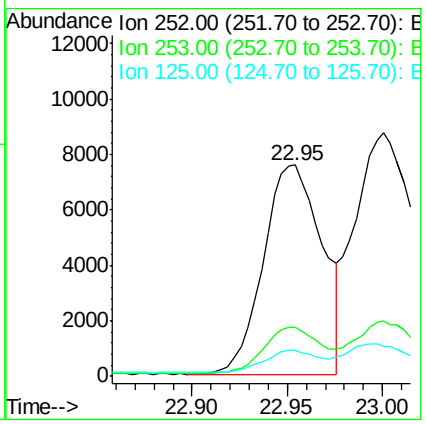


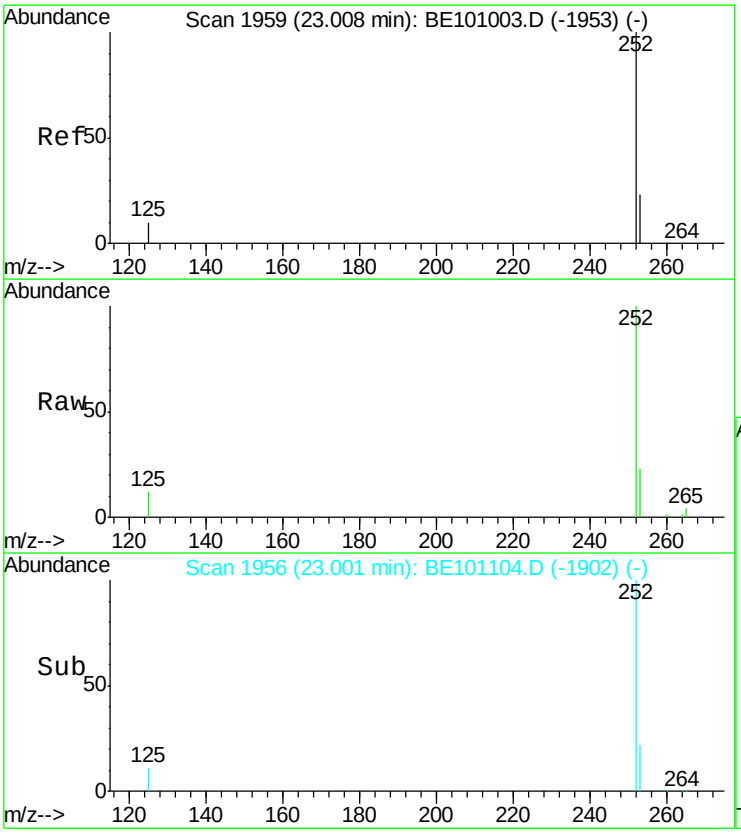
#35
Benzo(b)fluoranthene
Concen: 0.330 ng
RT: 22.95 min Scan# 1943
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 16130

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.5	27.7
125	12.1	9.5	14.3

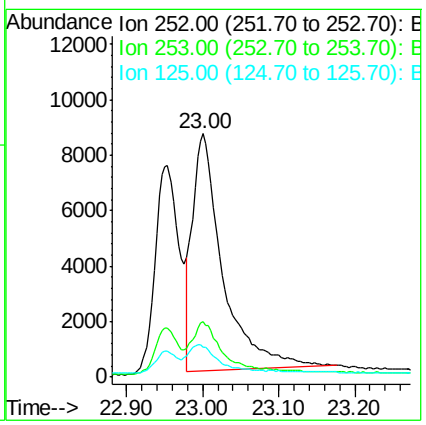


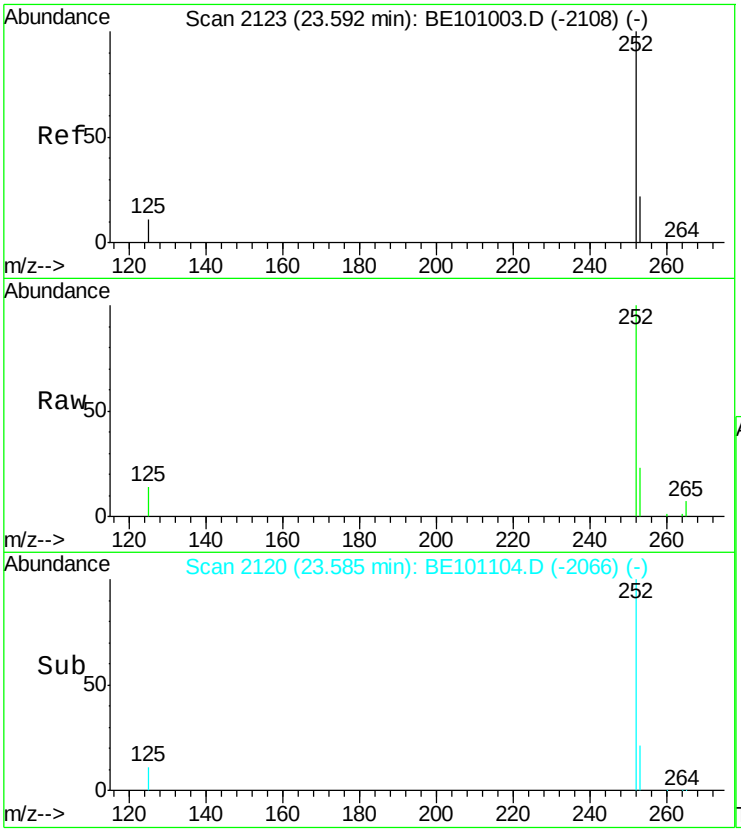


#36
Benzo(k)fluoranthene
Concen: 0.335 ng
RT: 23.00 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:252 Resp: 23755

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.9	28.3
125	12.4	10.1	15.1



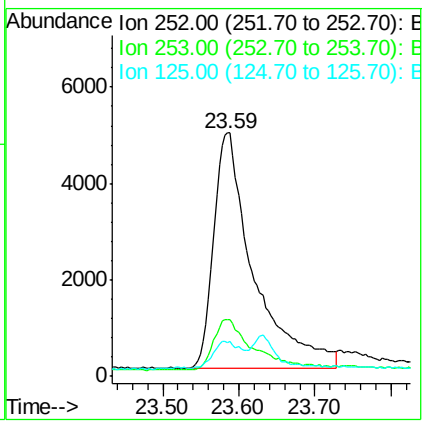


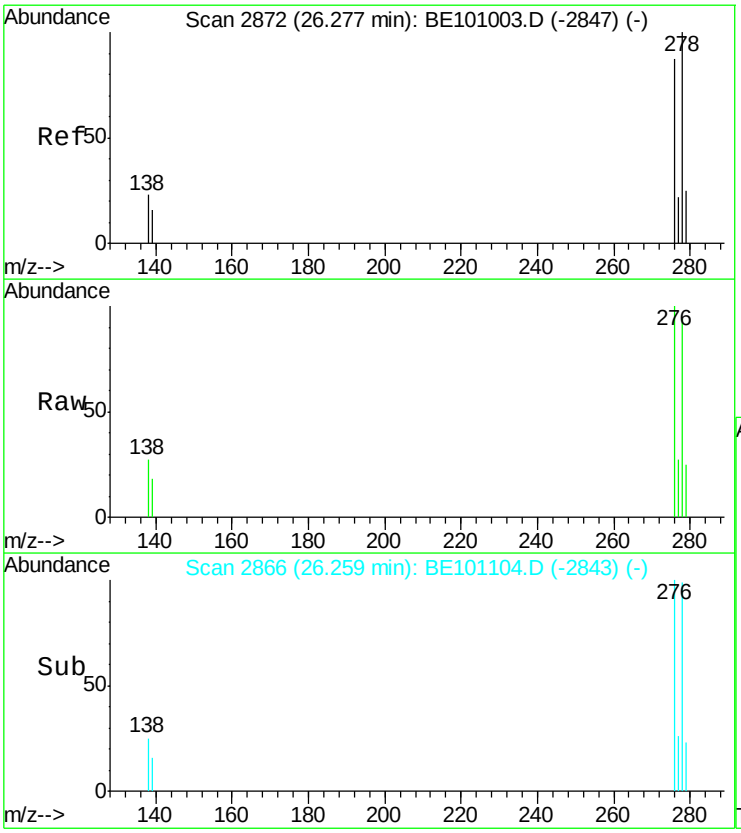
#37
Benzo(a)pyrene
Concen: 0.377 ng
RT: 23.59 min Scan# 2120
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 17850

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.4	29.2
125	13.8	11.8	17.6

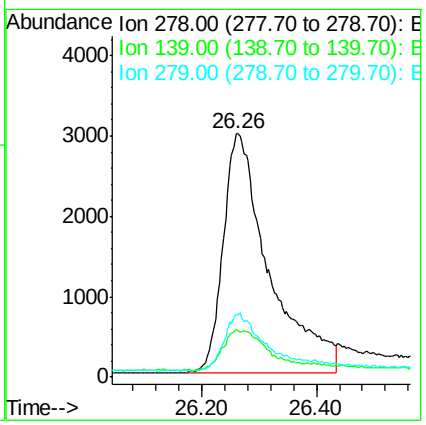


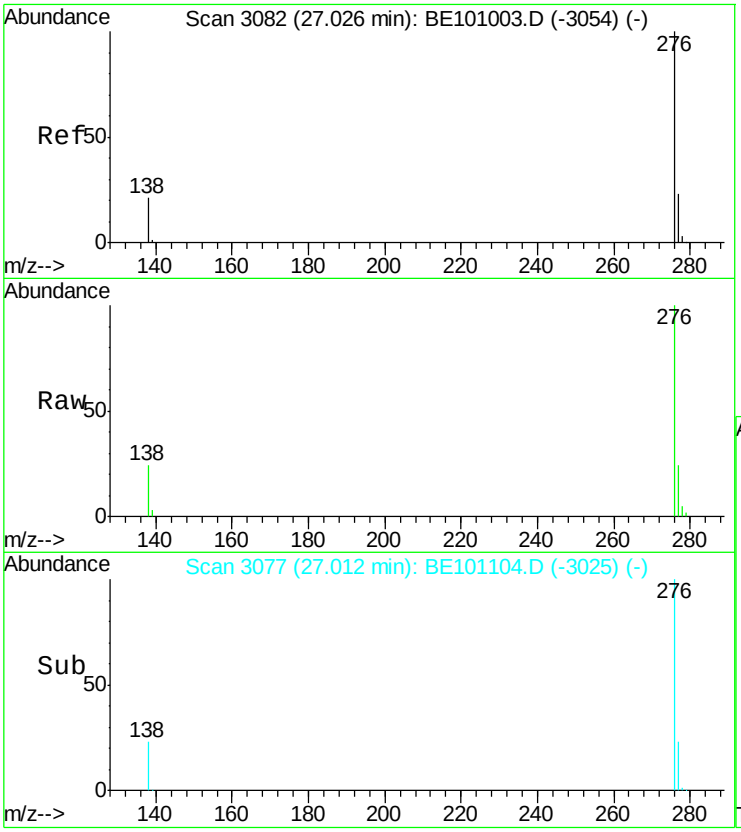


#38
Dibenzo(a,h)anthracene
Concen: 0.380 ng
RT: 26.26 min Scan# 2866
Delta R.T. -0.02 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Tgt Ion:278 Resp: 16530

Ion	Ratio	Lower	Upper
278	100		
139	19.4	15.0	22.4
279	26.0	22.6	33.8





#39
Benzo(g,h,i)perylene
Concen: 0.367 ng
RT: 27.01 min Scan# 3077
Delta R.T. -0.01 min
Lab File: BE101104.D
Acq: 21 Jan 2020 9:36

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 19658

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.4	29.2
138	24.3	17.9	26.9