Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE042919\
Data File : BE099409.D
Acq On : 29 Apr 2019 15:30
Operator : JU/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDICCC0.4

Quant Time: Apr 29 16:51:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 16:46:21 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2388	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	8611	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	6312	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	19211	0.40	ng		0.00
27) Chrysene-d12	21.37	240	26686	0.40	ng		0.00
34) Perylene-d12	23.87	264	31765	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2528	0.43	ng		0.00
5) Phenol-d6	6.97	99	3440	0.41	ng		0.00
8) Nitrobenzene-d5	8.96	82	3241	0.48	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	6148	0.40	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1541	0.73	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	9852	0.40	ng		0.00
25) Fluoranthene-d10	19.22	212	103728	0.45	ng		0.00
29) Terphenyl-d14	19.82	244	21982	0.42	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	1131	0.338	ng		97
3) n-Nitrosodimethylamine	3.65	42	701	0.390	ng	#	93
6) bis(2-Chloroethyl)ether	7.24	93	2971	0.382	ng		100
9) Naphthalene	10.65	128	38184	0.406	ng		100
10) Hexachlorobutadiene	10.93	225	2669	0.448	ng		99
12) 2-Methylnaphthalene	12.27	142	6501	0.407	ng		100
16) Acenaphthylene	14.18	152	12429	0.436	ng		100
17) Acenaphthene	14.51	154	7040	0.400	ng		100
18) Fluorene	15.49	166	10540	0.417	ng		100
20) 4-Bromophenyl-phenylether	16.38	248	4532	0.426	ng		100
21) Hexachlorobenzene	16.49	284	4298	0.420	ng		100
22) Pentachlorophenol	16.84	266	1622	0.588	ng		100
23) Phenanthrene	17.23	178	20125	0.396	ng		100
24) Anthracene	17.32	178	18837	0.416	ng		100
26) Fluoranthene	19.25	202	29981	0.440	ng		100
28) Pyrene	19.62	202	31523	0.401	ng		100
30) Benzo(a)anthracene	21.35	228	38336	0.489	ng		100
31) Chrysene	21.40	228	37841	0.453	ng		100
32) Bis(2-ethylhexyl)phthalate	21.27	149	64271	0.900	ng		100
33) Indeno(1,2,3-cd)pyrene	26.52	276	44807	0.543	ng		100
35) Benzo(b)fluoranthene	23.10	252	37321	0.384	ng		100
36) Benzo(k)fluoranthene	23.15	252	37188	0.384	ng		100
37) Benzo(a)pyrene	23.76	252	35742	0.410	ng		100
38) Dibenzo(a,h)anthracene	26.54	278	36643	0.412	ng		100
39) Benzo(g,h,i)perylene	27.33	276	36801	0.408	ng		100

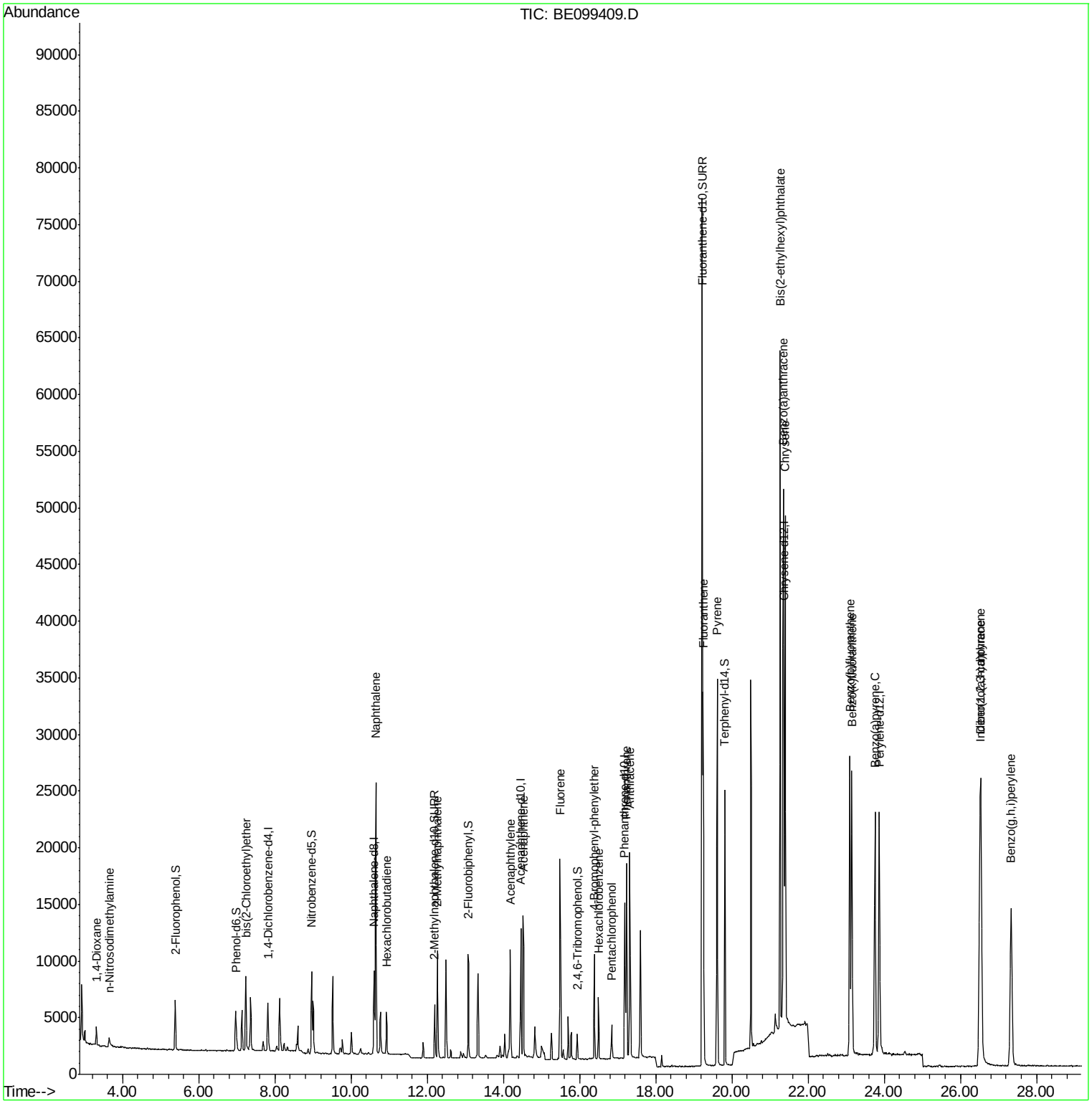
(#) = qualifier out of range (m) = manual integration (+) = signals summed

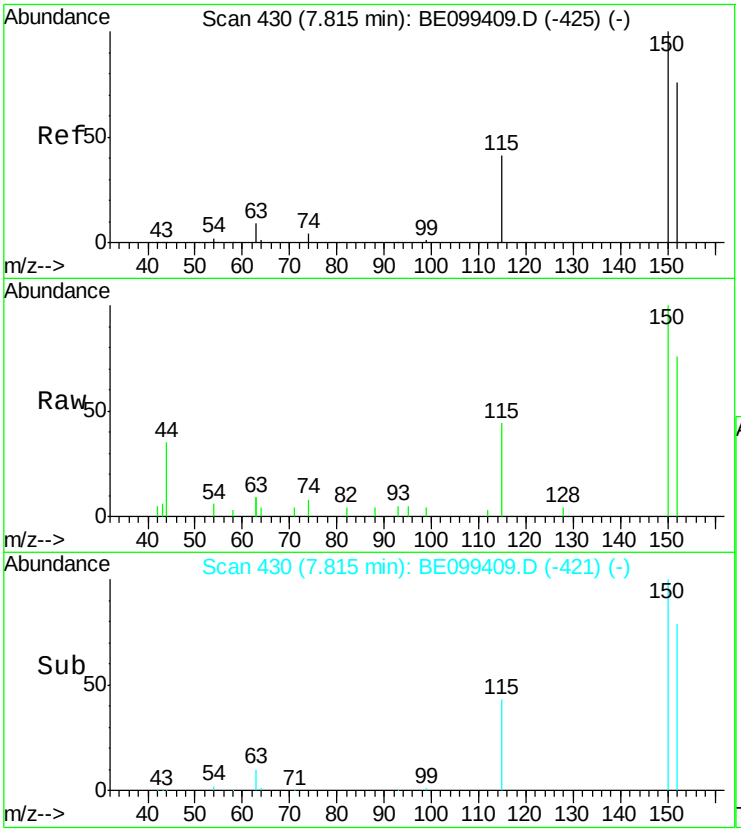
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE042919\
Data File : BE099409.D
Acq On : 29 Apr 2019 15:30
Operator : JU/SJ
Sample : SSTDICCC0.4
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Quant Time: Apr 29 16:51:24 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 16:46:21 2019
Response via : Initial Calibration



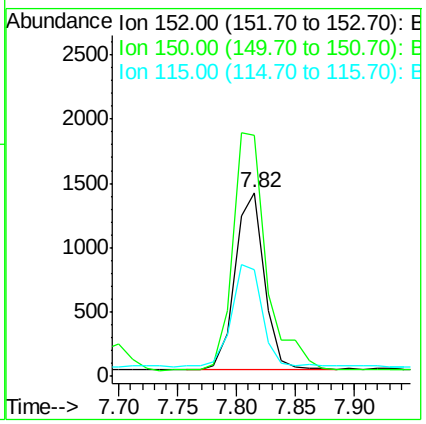


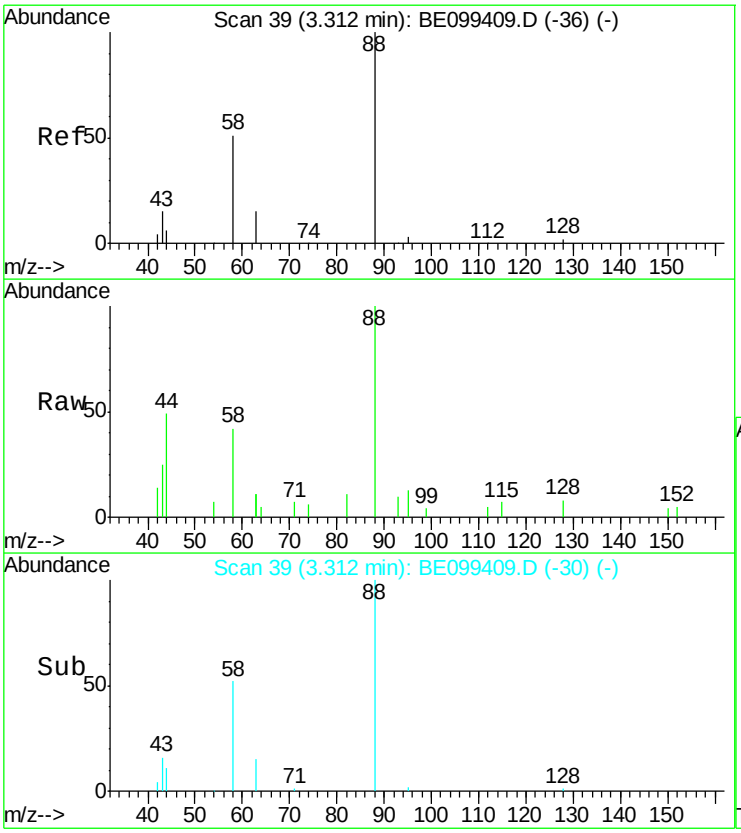
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 2388

Ion	Ratio	Lower	Upper
152	100		
150	131.0	104.8	157.2
115	58.2	46.6	69.8

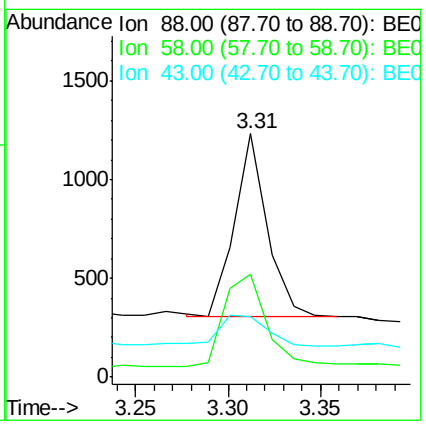


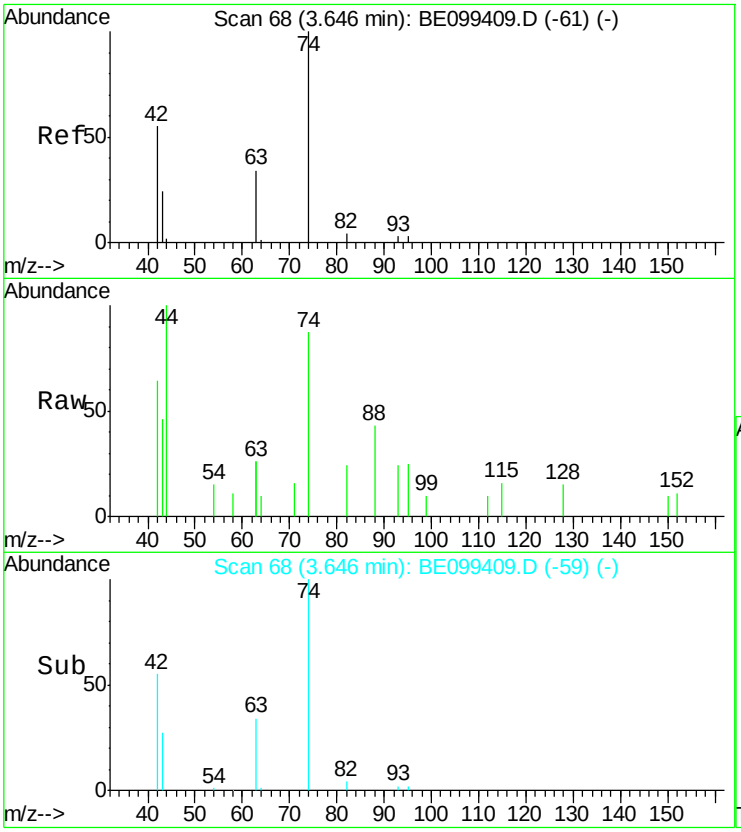


#2
1,4-Dioxane
Concen: 0.338 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion: 88 Resp: 1131

Ion	Ratio	Lower	Upper
88	100		
58	66.7	51.0	76.6
43	27.1	20.6	30.8



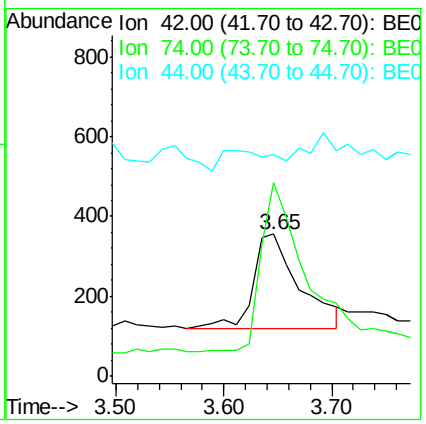


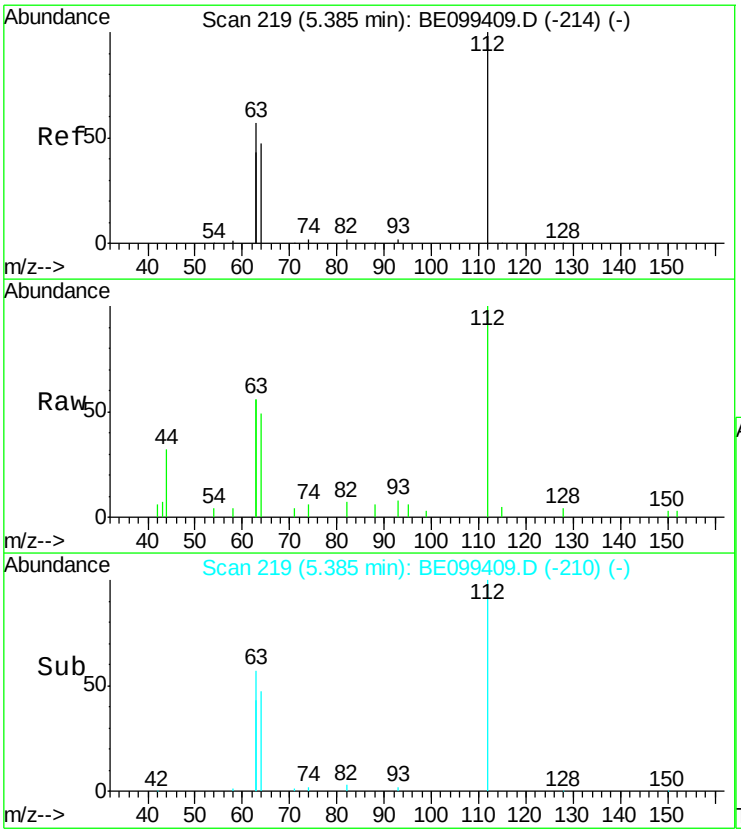
#3
n-Nitrosodimethylamine
Concen: 0.390 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 42 Resp: 701

Ion	Ratio	Lower	Upper
42	100		
74	166.5	141.6	212.4
44	0.0	0.0	0.0

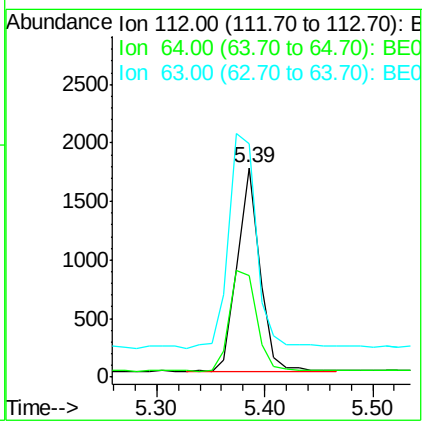


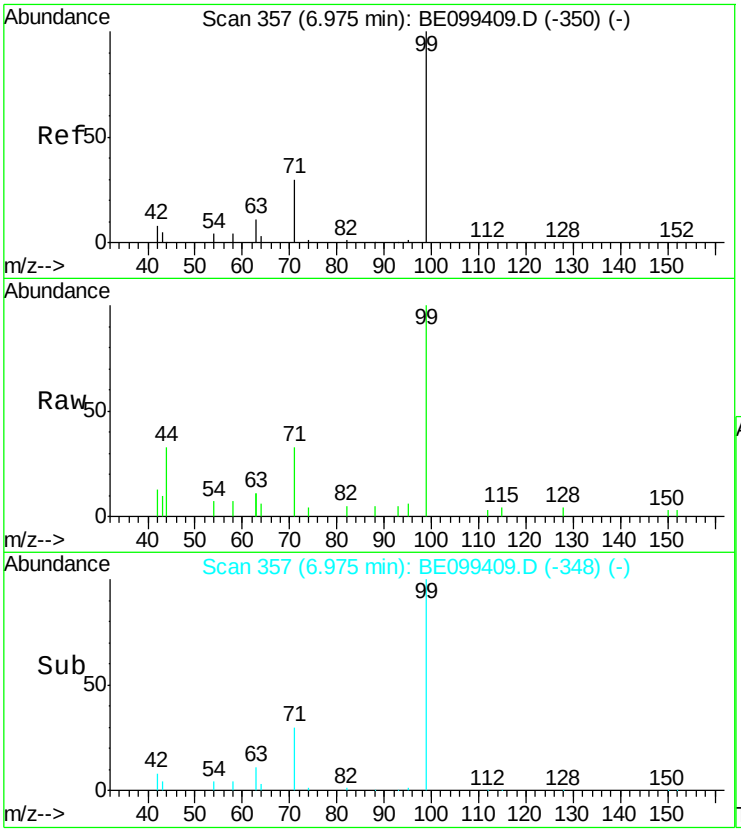


#4
2-Fluorophenol
Concen: 0.433 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:112 Resp: 2528

Ion	Ratio	Lower	Upper
112	100		
64	59.2	47.4	71.0
63	130.4	104.3	156.5



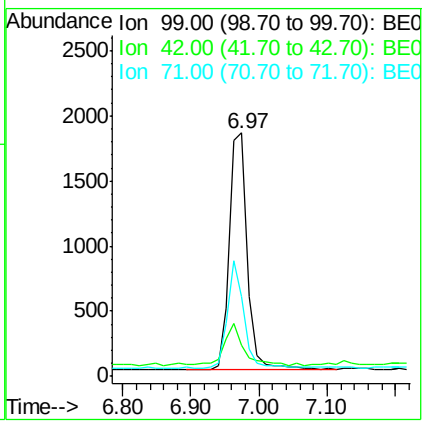


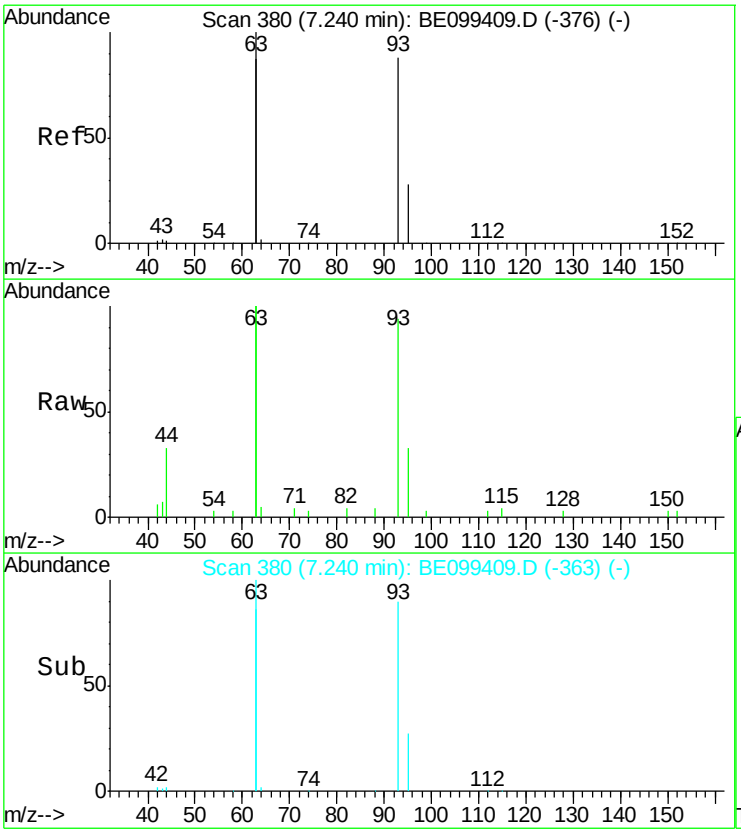
#5
Phenol-d6
Concen: 0.413 ng
RT: 6.97 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion: 99 Resp: 3440

Ion	Ratio	Lower	Upper
99	100		
42	18.6	14.9	22.3
71	41.3	33.0	49.6

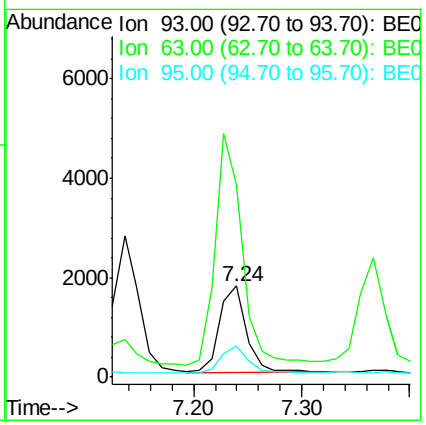


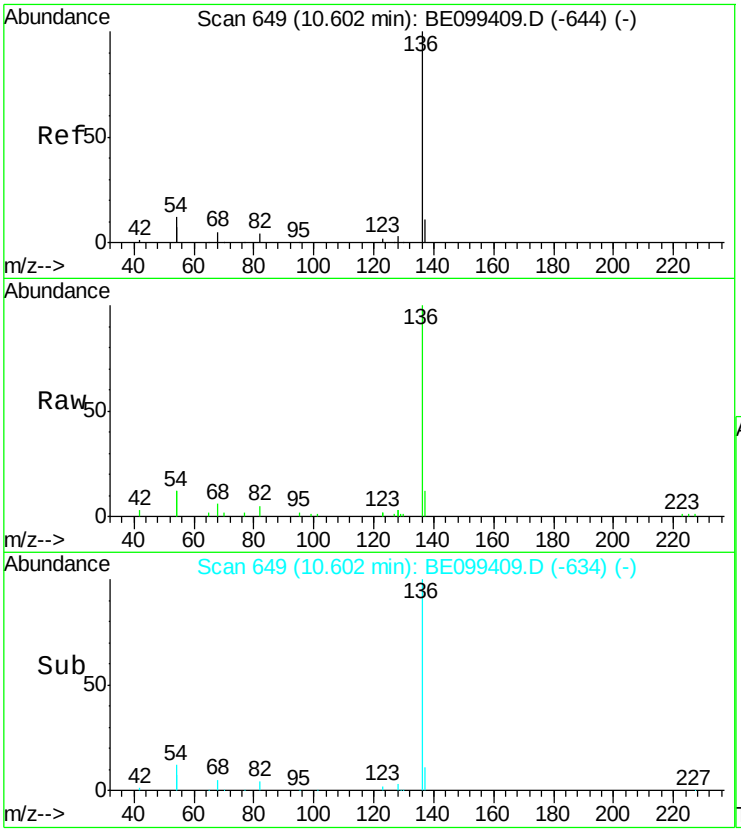


#6
bis(2-Chloroethyl)ether
Concen: 0.382 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion: 93 Resp: 2971

Ion	Ratio	Lower	Upper
93	100		
63	269.5	215.6	323.4
95	32.7	26.2	39.2



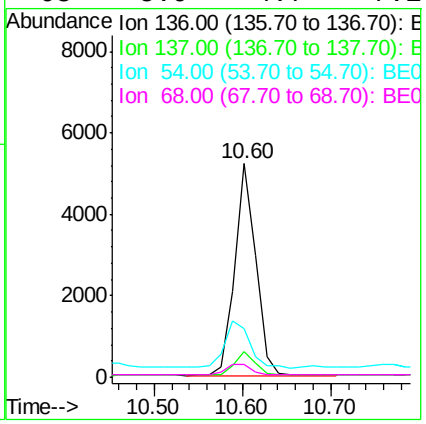


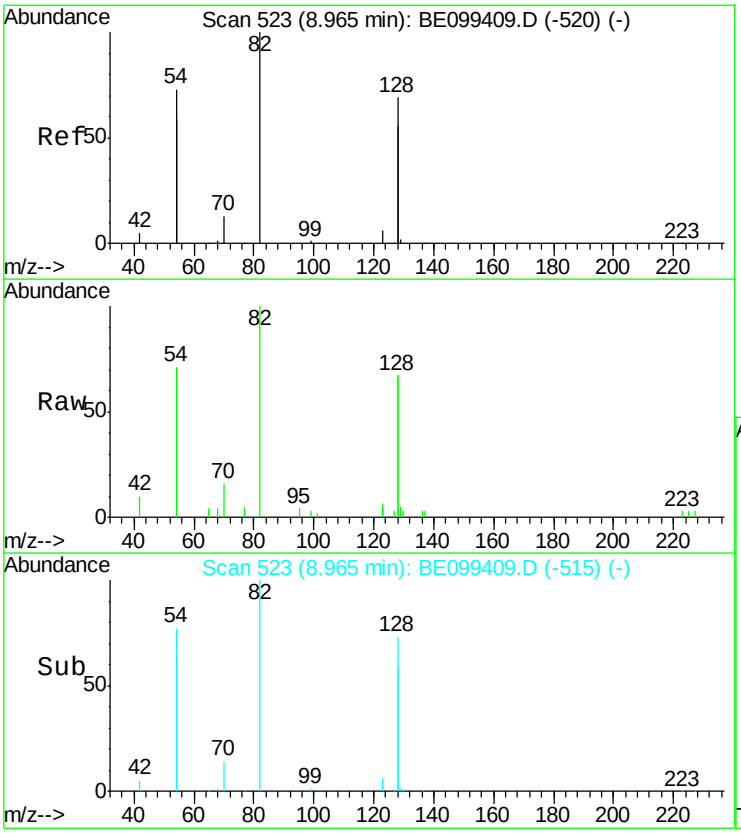
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:136 Resp: 8611

Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.8	14.8
54	23.1	18.5	27.7
68	5.9	4.7	7.1

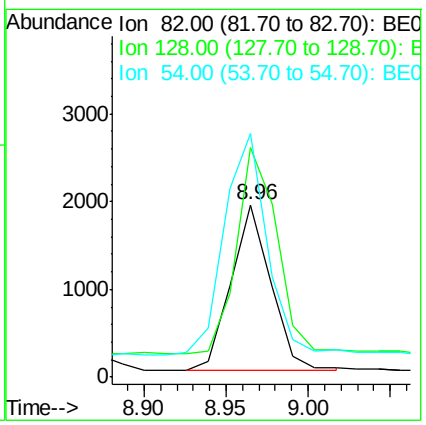


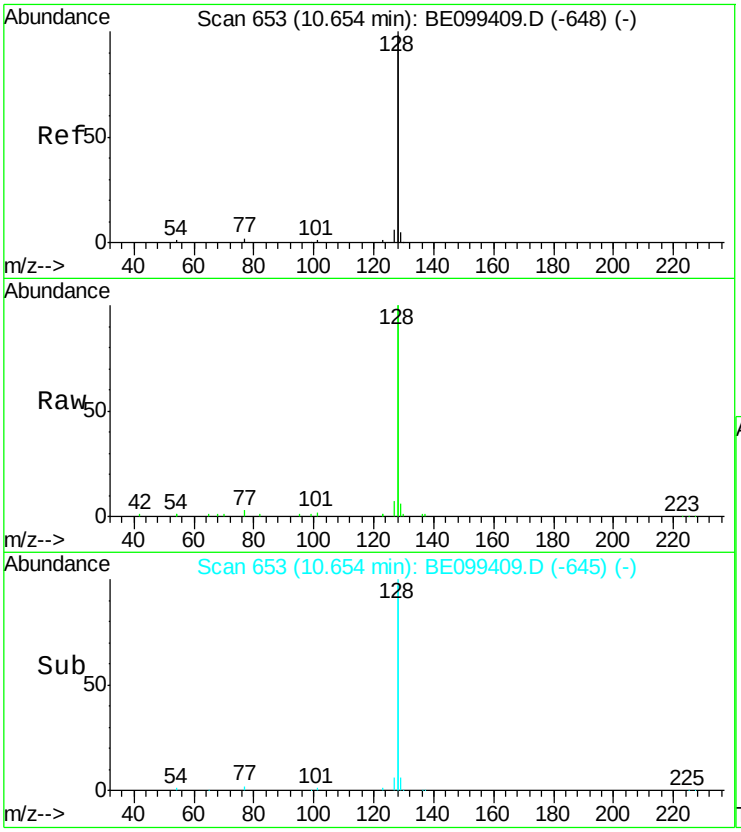


#8
Nitrobenzene-d5
Concen: 0.485 ng
RT: 8.96 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion: 82 Resp: 3241

Ion	Ratio	Lower	Upper
82	100		
128	133.7	107.0	160.4
54	141.4	113.1	169.7



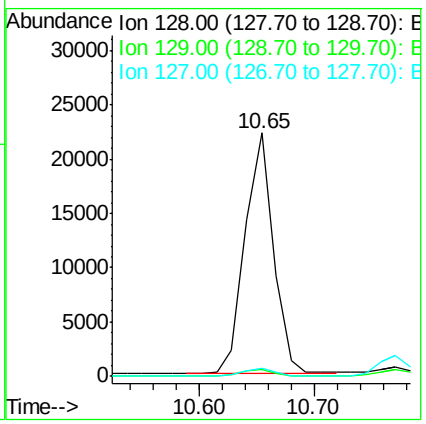


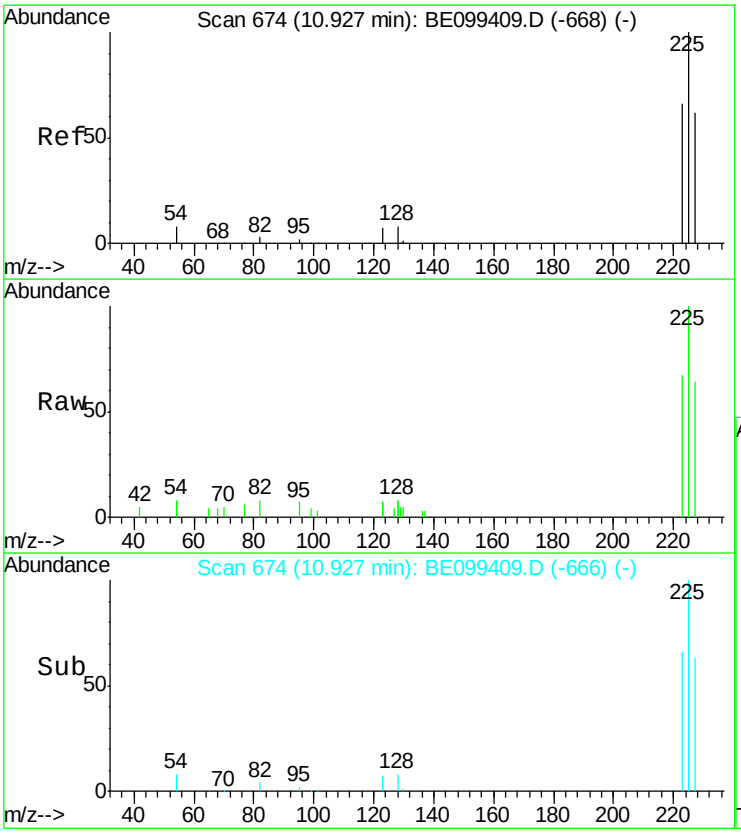
#9
Naphthalene
Concen: 0.406 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:128 Resp: 38184

Ion	Ratio	Lower	Upper
128	100		
129	3.0	2.4	3.6
127	3.5	2.8	4.2

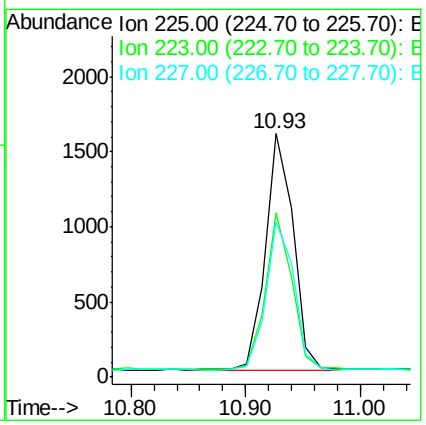


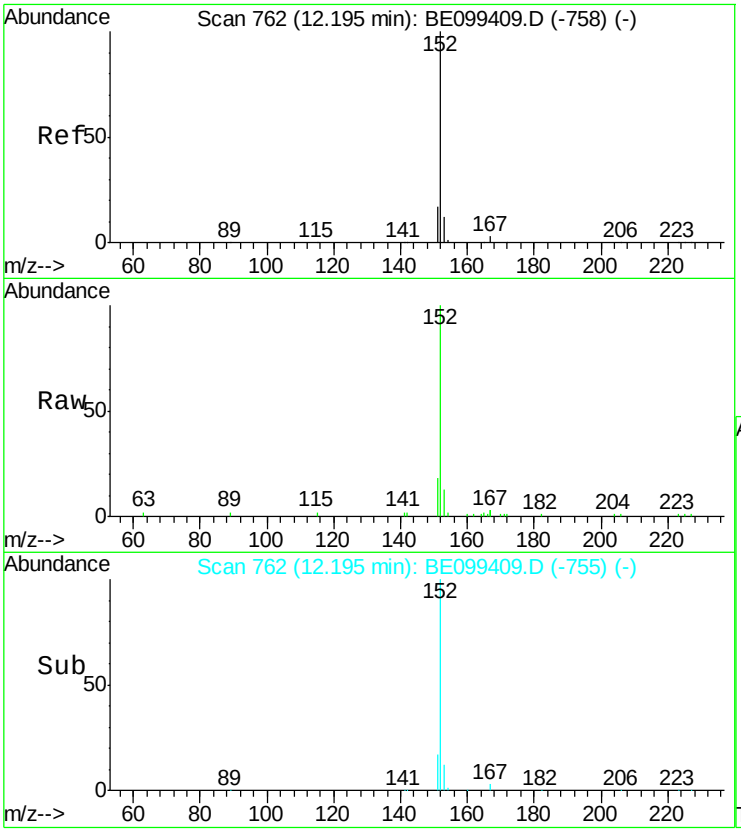


#10
Hexachlorobutadiene
Concen: 0.448 ng
RT: 10.93 min Scan# 674
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:225 Resp: 2669

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.0	76.6
227	63.1	50.9	76.3



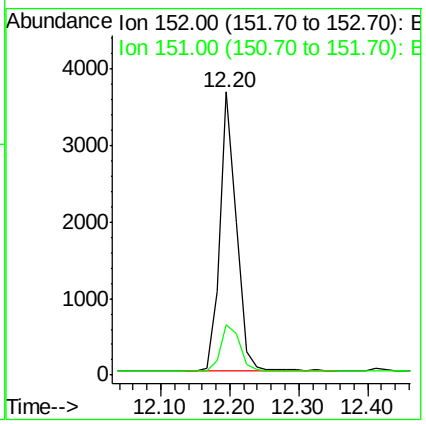


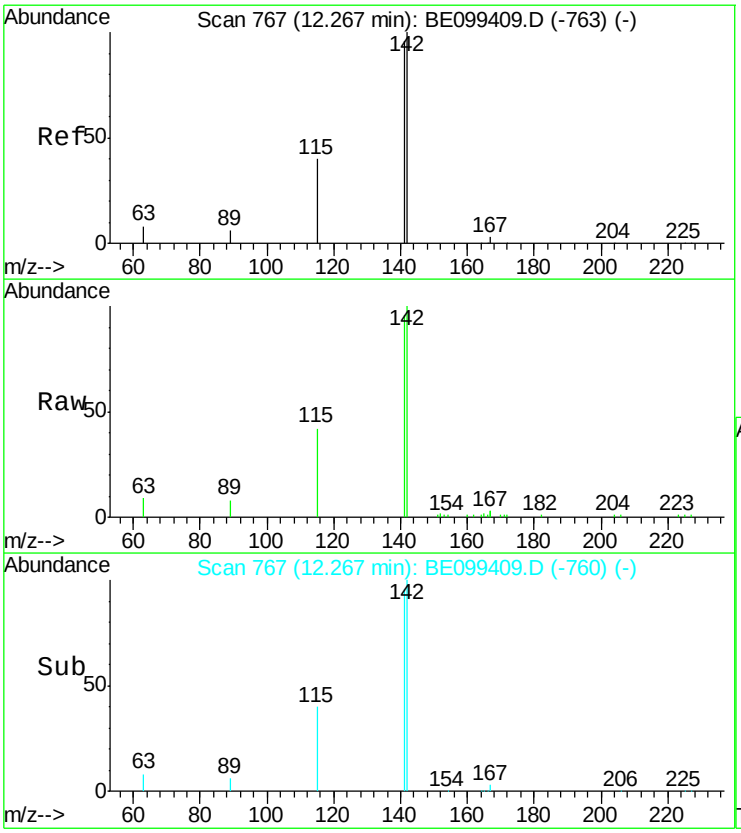
#11
2-Methylnaphthalene-d10
Concen: 0.405 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:152 Resp: 6148

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.5	23.3

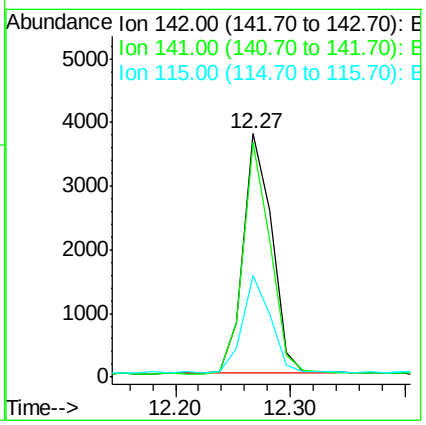


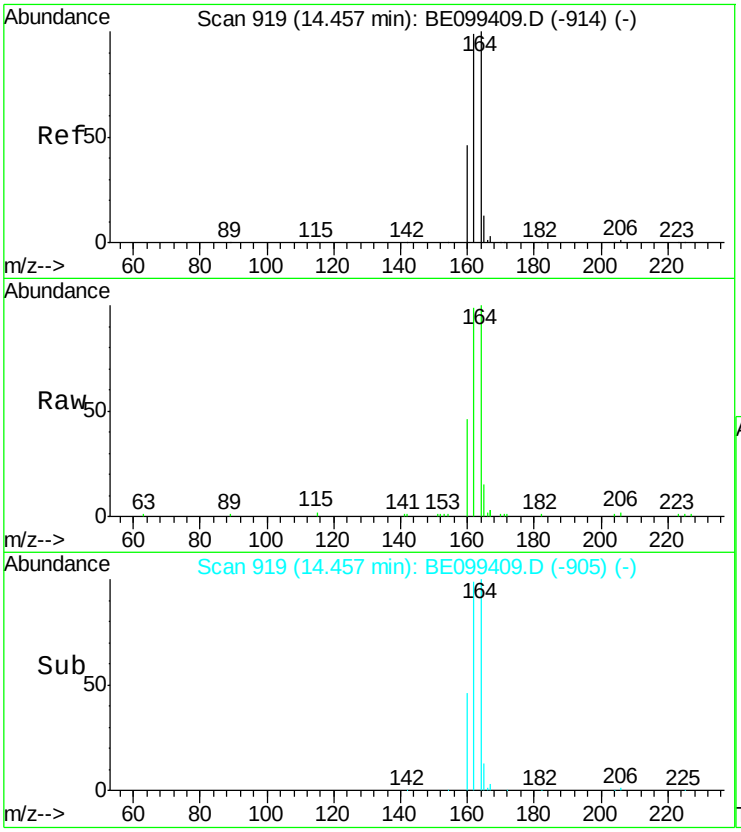


#12
2-Methylnaphthalene
Concen: 0.407 ng
RT: 12.27 min Scan# 767
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:142 Resp: 6501

Ion	Ratio	Lower	Upper
142	100		
141	96.2	77.0	115.4
115	41.7	33.4	50.0



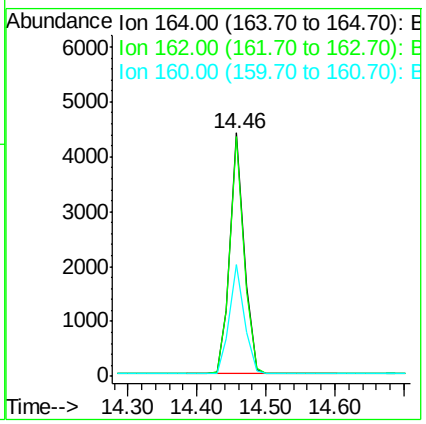


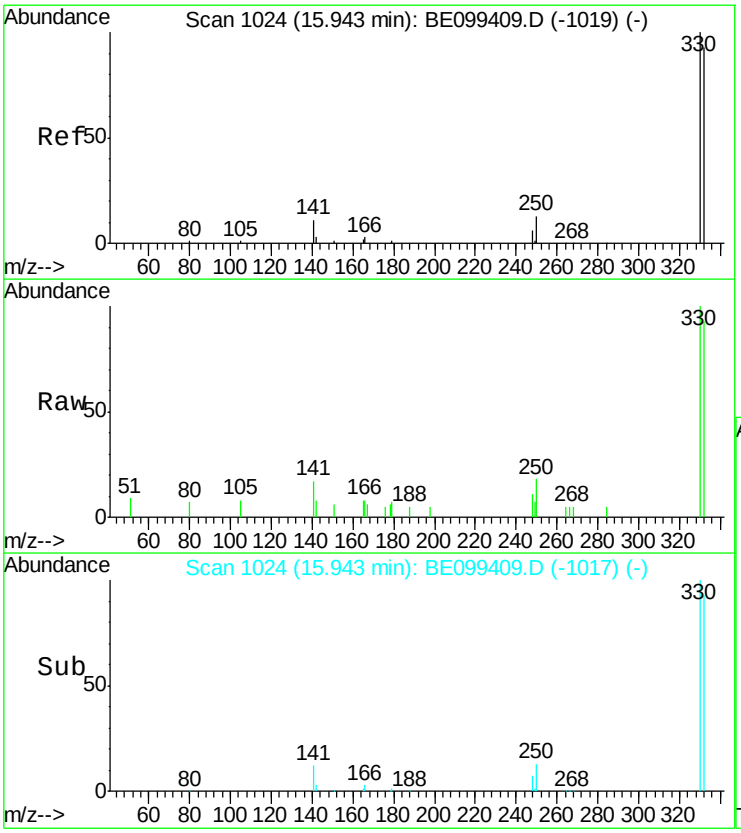
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:164 Resp: 6312

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.0	118.4
160	46.2	37.0	55.4

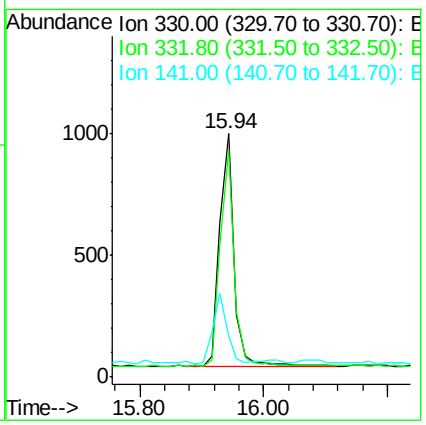


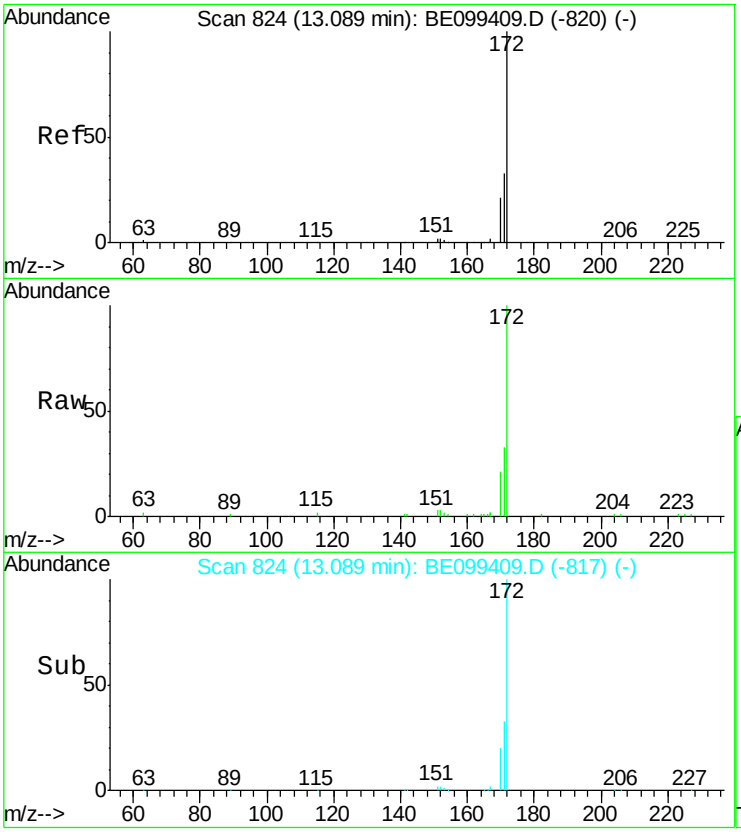


#14
2,4,6-Tribromophenol
Concen: 0.735 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:330 Resp: 1541

Ion	Ratio	Lower	Upper
330	100		
332	89.4	71.5	107.3
141	30.0	24.0	36.0



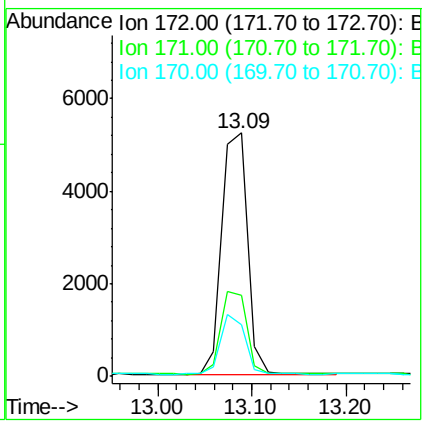


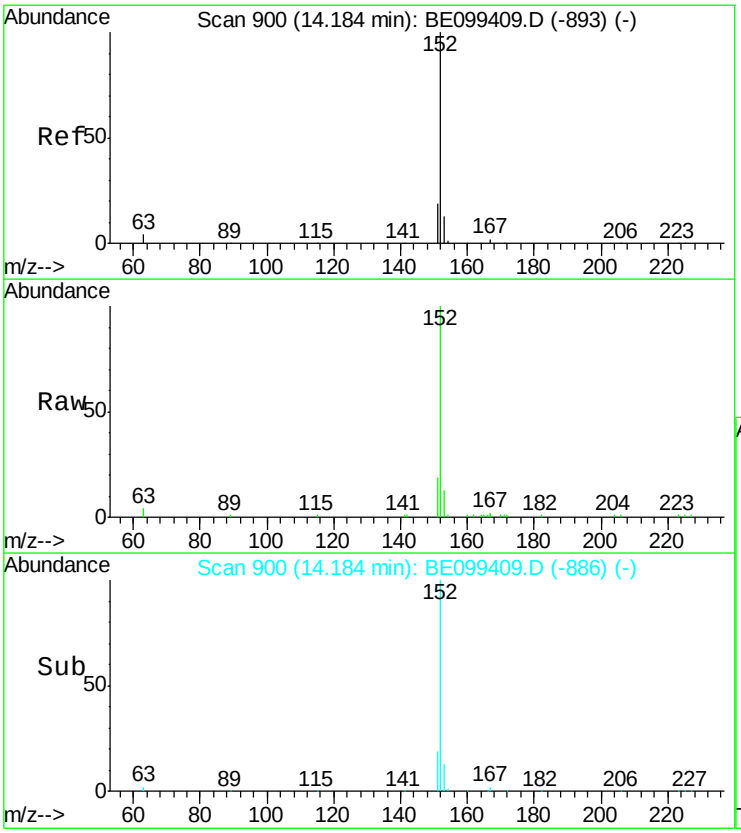
#15
2-Fluorobiphenyl
Concen: 0.397 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:172 Resp: 9852

Ion	Ratio	Lower	Upper
172	100		
171	33.2	26.6	39.8
170	21.3	17.0	25.6

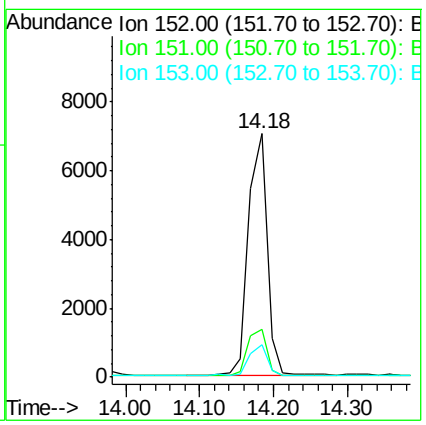


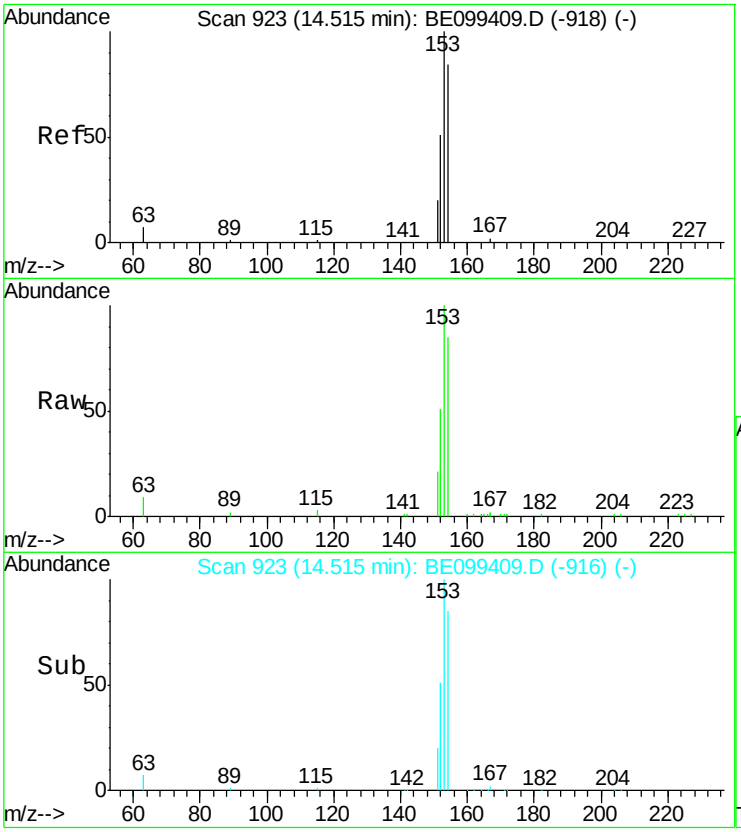


#16
Acenaphthylene
Concen: 0.436 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:152 Resp: 12429

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2
153	12.2	9.8	14.6



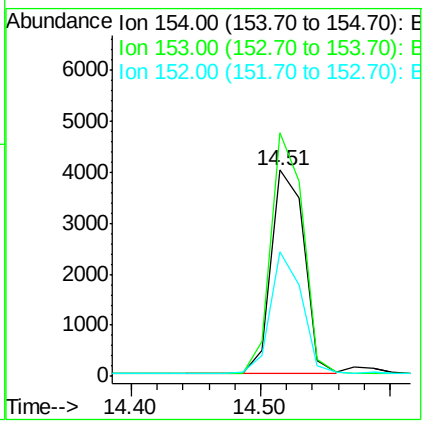


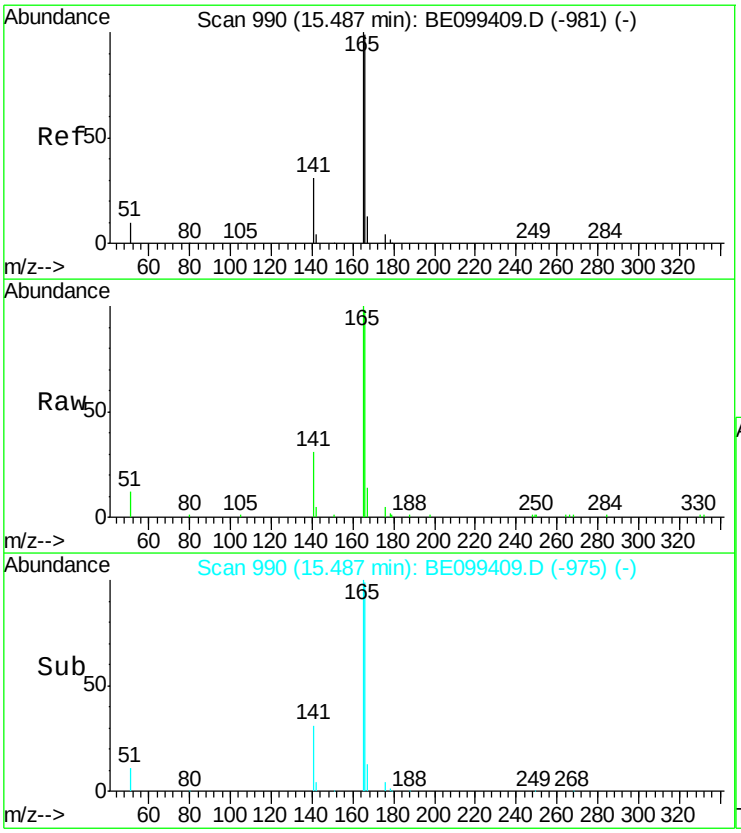
#17
Acenaphthene
Concen: 0.400 ng
RT: 14.51 min Scan# 923
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:154 Resp: 7040

Ion	Ratio	Lower	Upper
154	100		
153	115.7	92.6	138.8
152	57.3	45.8	68.8

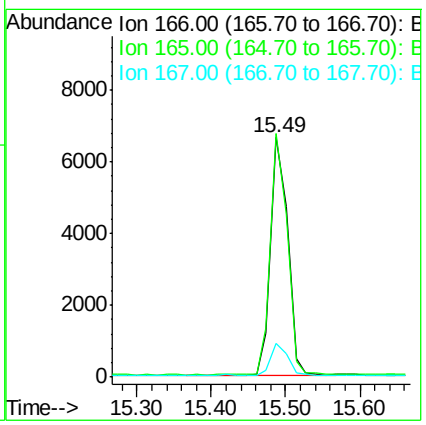


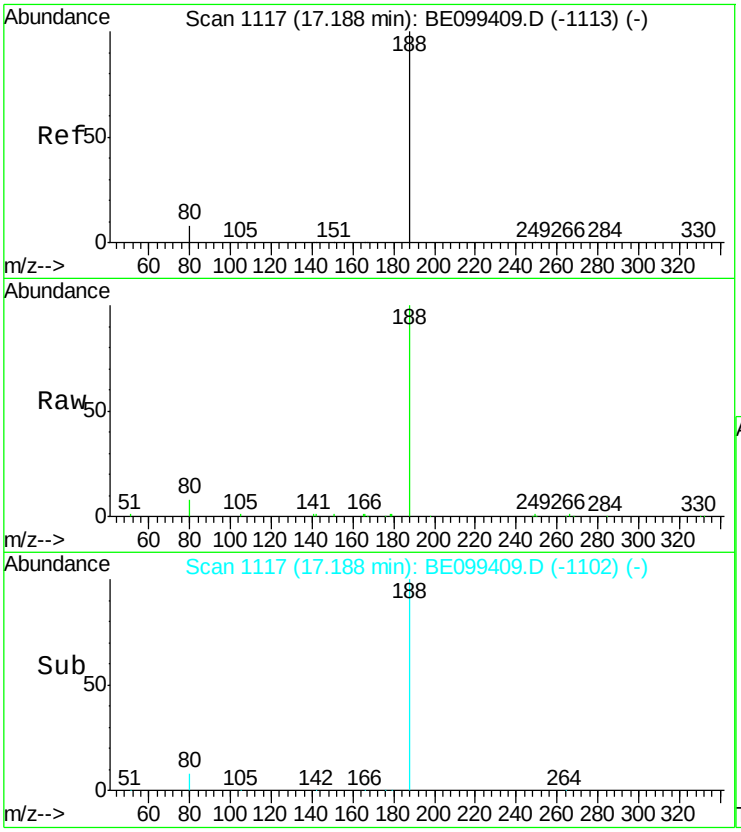


#18
Fluorene
Concen: 0.417 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:166 Resp: 10540

Ion	Ratio	Lower	Upper
166	100		
165	100.4	80.3	120.5
167	13.4	10.7	16.1



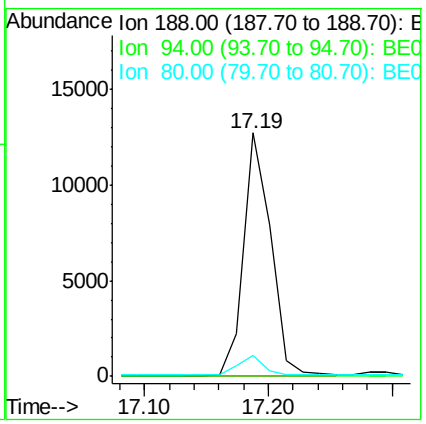


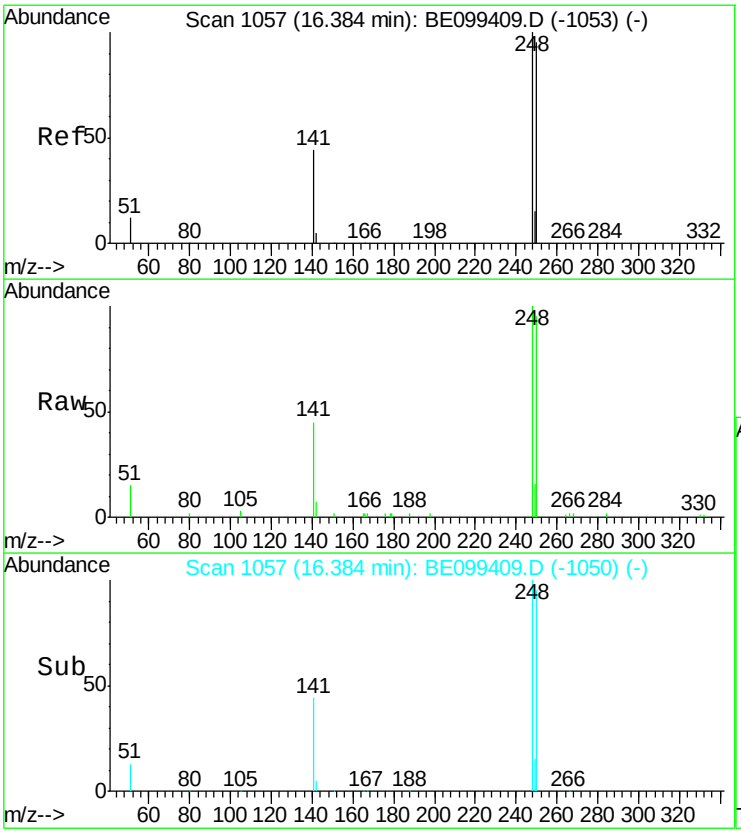
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:188 Resp: 19211

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.4	6.7	10.1

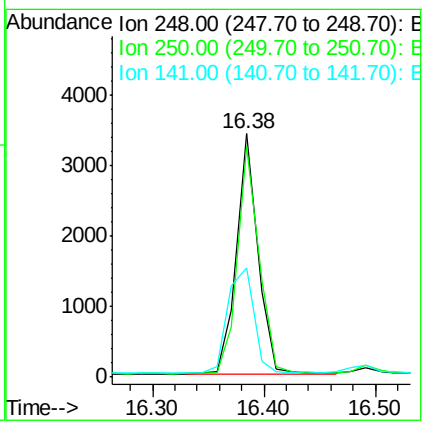


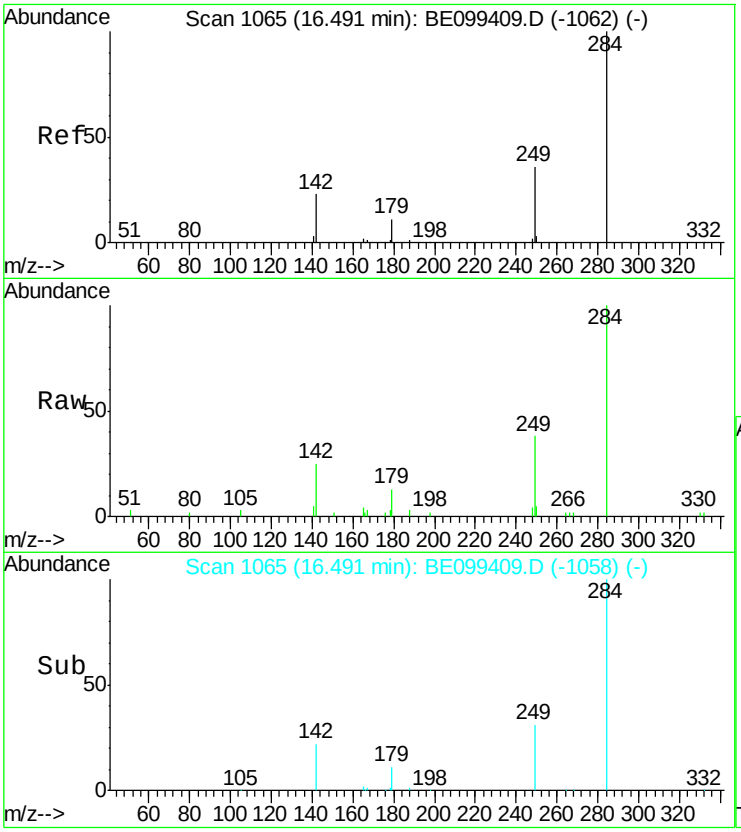


#20
4-Bromophenyl-phenylether
Concen: 0.426 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:248 Resp: 4532

Ion	Ratio	Lower	Upper
248	100		
250	94.8	75.8	113.8
141	44.6	35.7	53.5



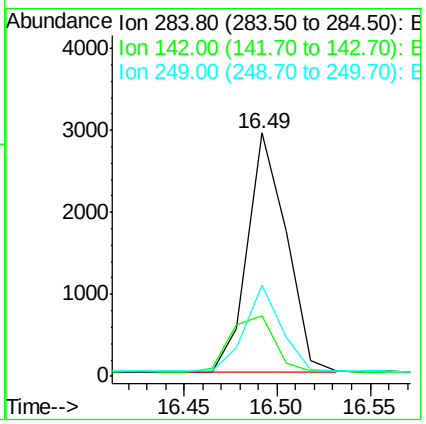


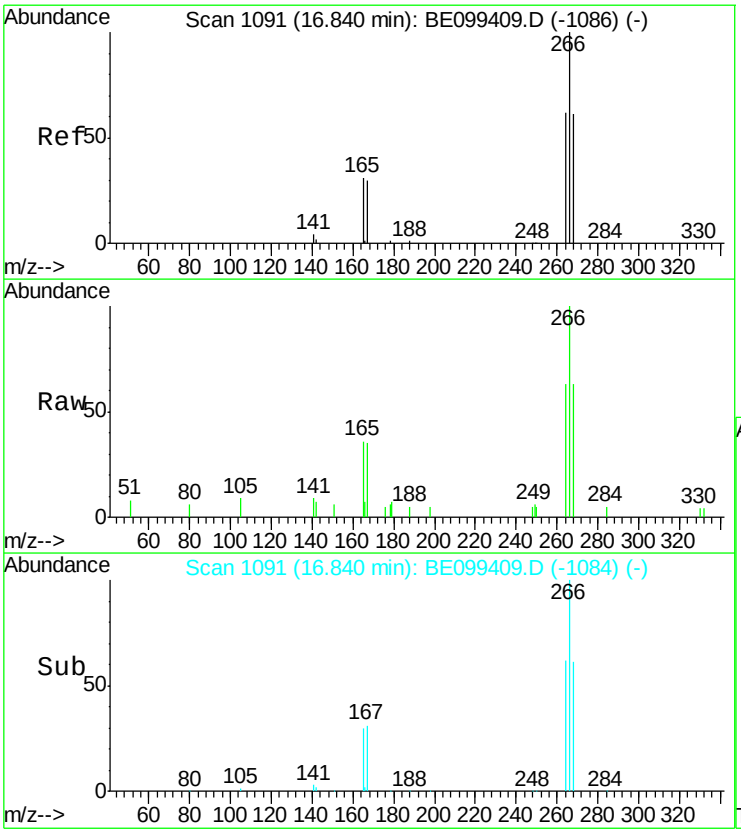
#21
Hexachlorobenzene
Concen: 0.420 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:284 Resp: 4298

Ion	Ratio	Lower	Upper
284	100		
142	26.3	21.0	31.6
249	33.4	26.7	40.1

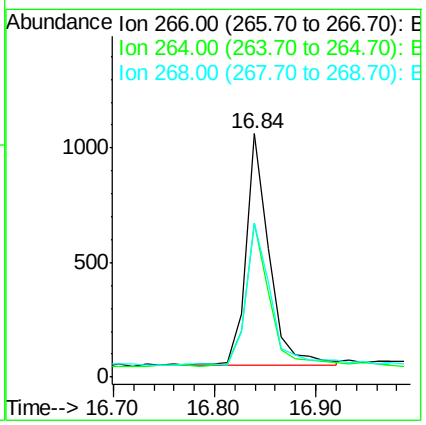


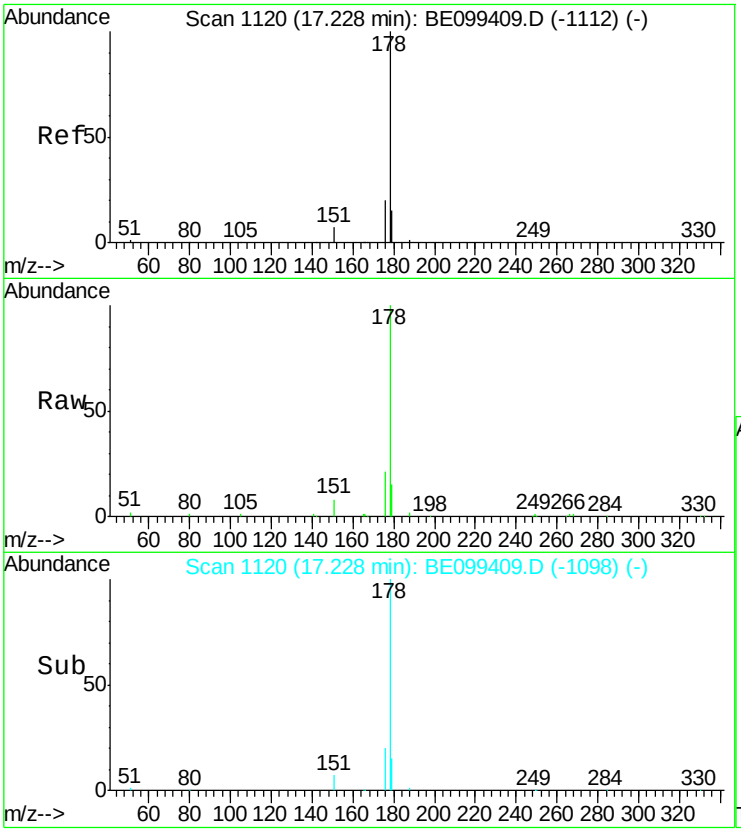


#22
Pentachlorophenol
Concen: 0.588 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:266 Resp: 1622

Ion	Ratio	Lower	Upper
266	100		
264	63.5	50.8	76.2
268	63.1	50.5	75.7



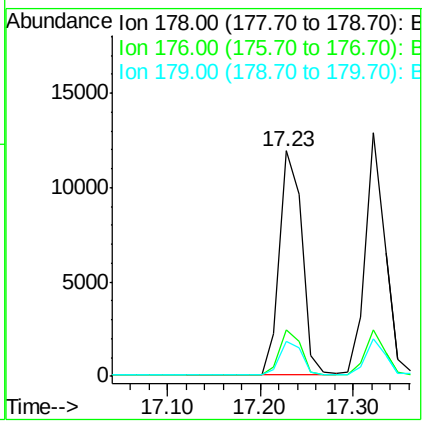


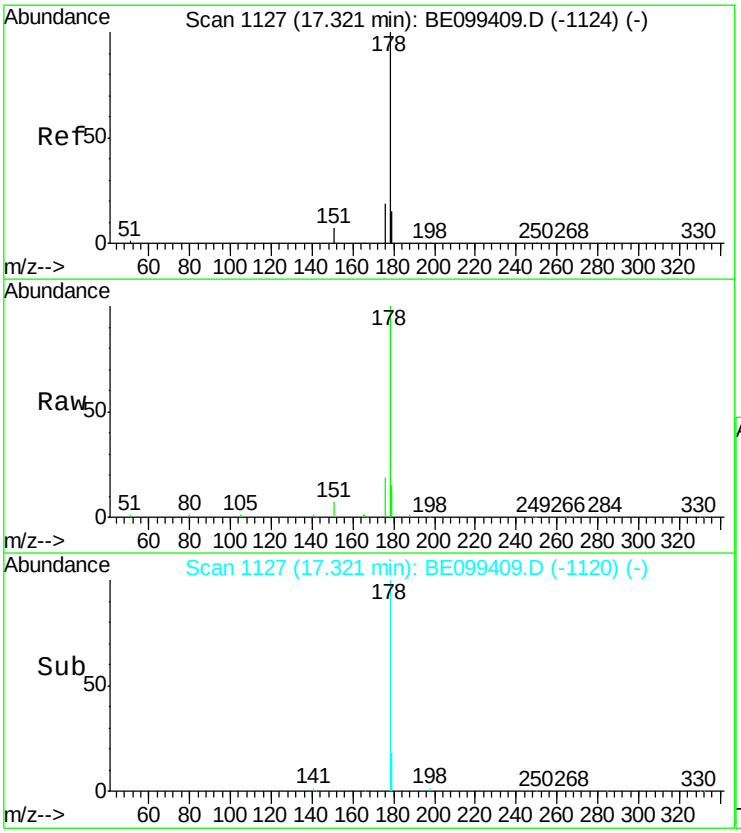
#23
Phenanthrene
Concen: 0.396 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:178 Resp: 20125

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.0	12.0	18.0

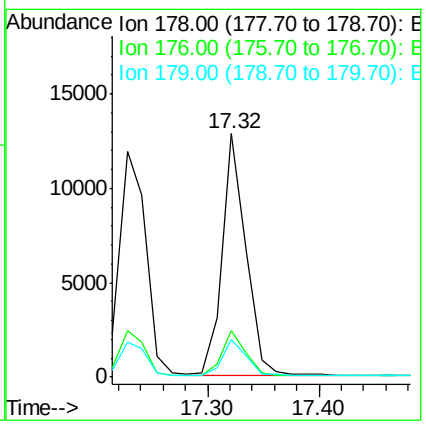


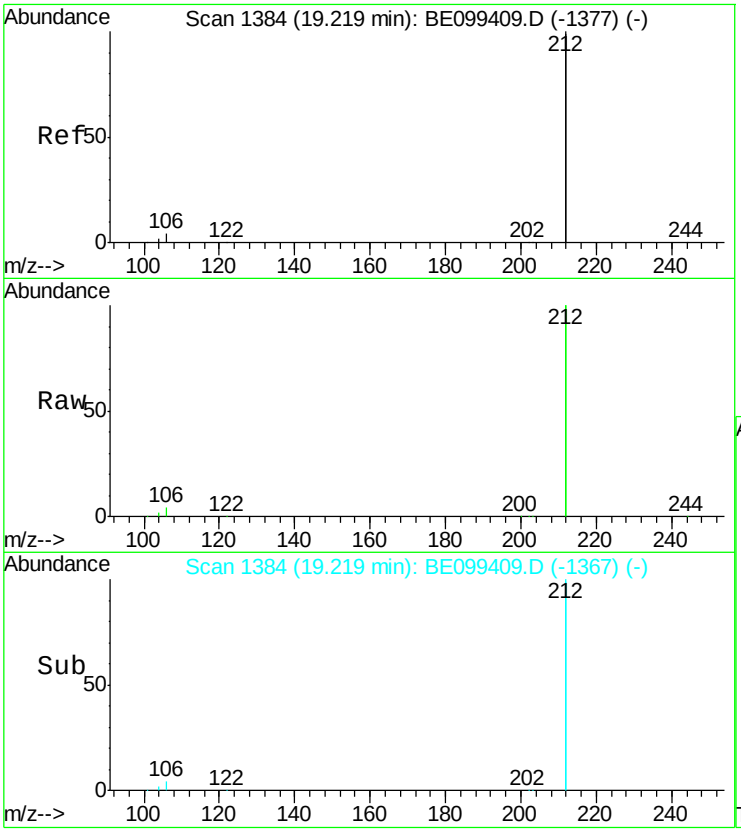


#24
Anthracene
Concen: 0.416 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:178 Resp: 18837

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	14.9	11.9	17.9



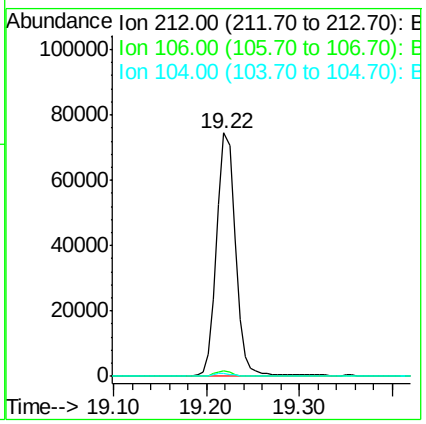


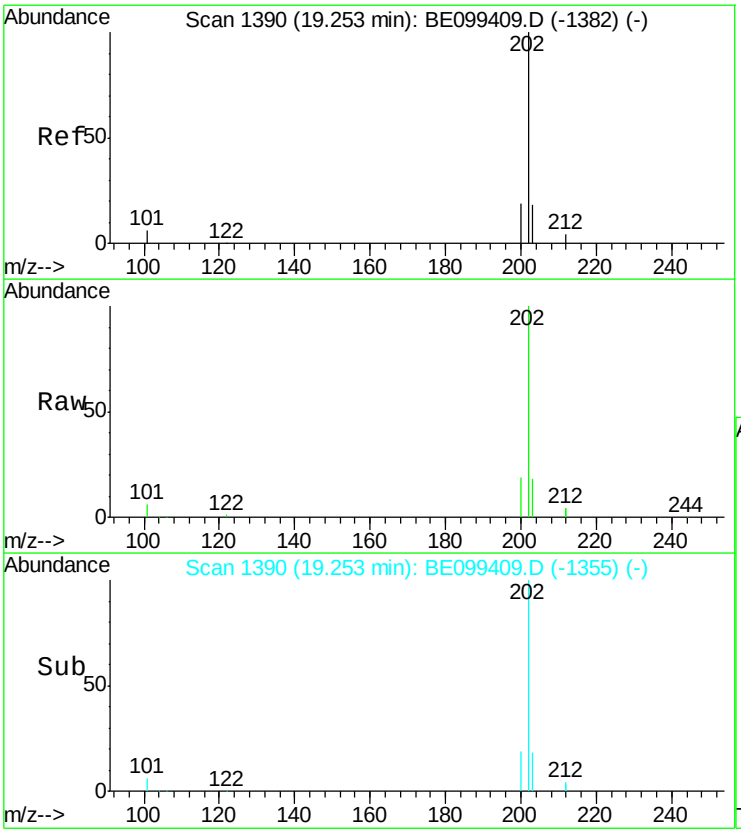
#25
Fluoranthene-d10
Concen: 0.449 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:212 Resp: 103728

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.5	2.3
104	1.1	0.9	1.3

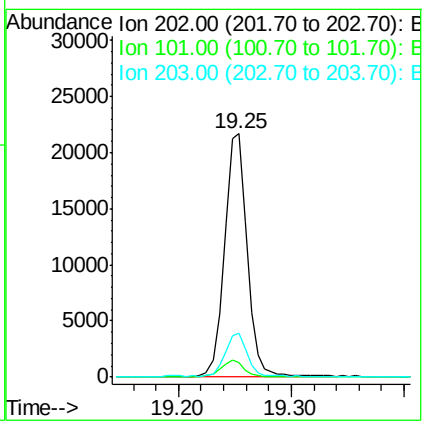


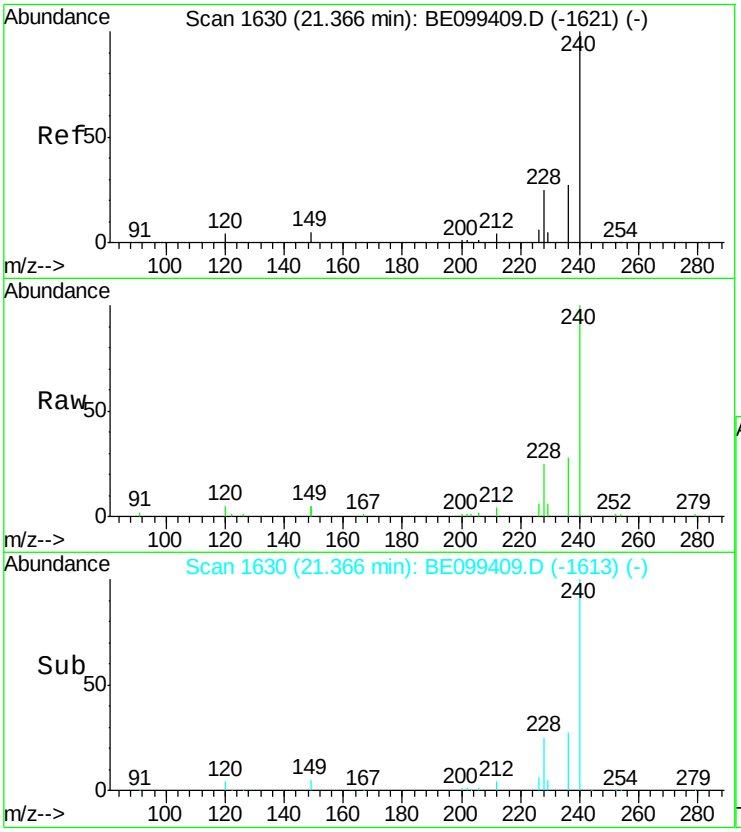


#26
Fluoranthene
Concen: 0.440 ng
RT: 19.25 min Scan# 1390
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:202 Resp: 29981

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.4	8.0
203	17.4	13.9	20.9



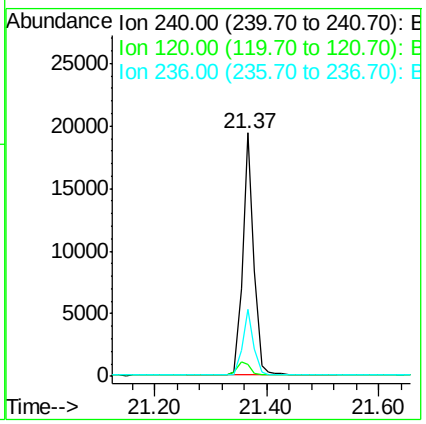


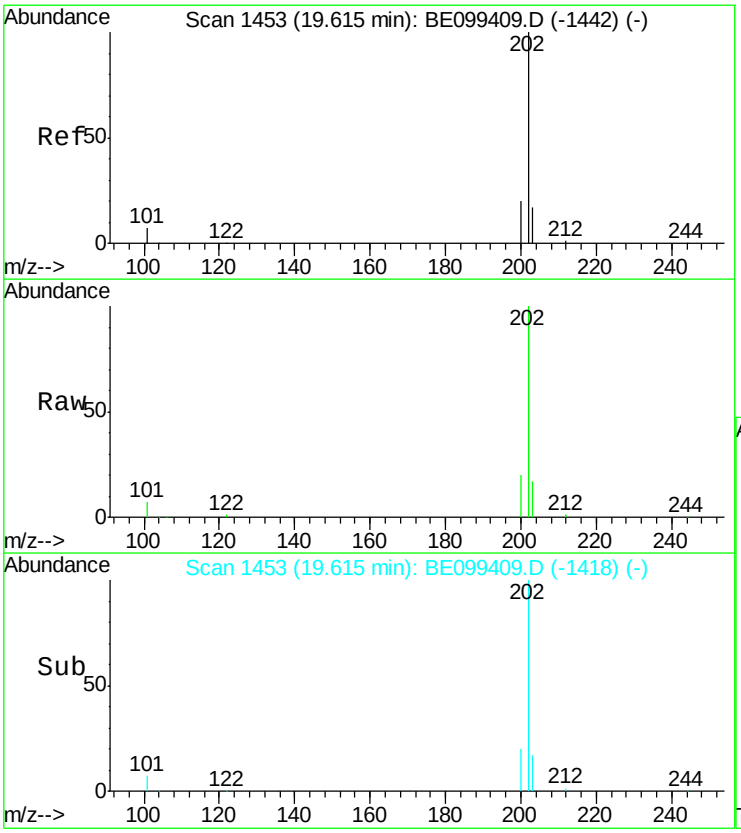
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:240 Resp: 26686

Ion	Ratio	Lower	Upper
240	100		
120	5.0	4.0	6.0
236	27.5	22.0	33.0

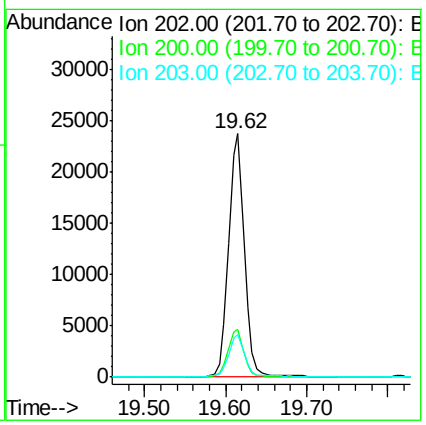


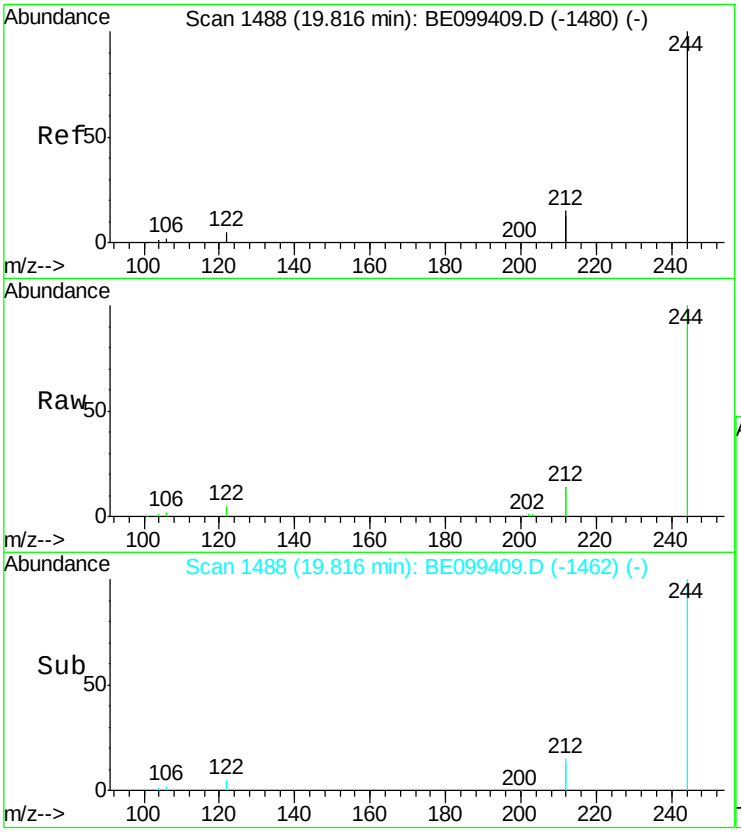


#28
Pyrene
Concen: 0.401 ng
RT: 19.62 min Scan# 1453
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:202 Resp: 31523

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.4	13.9	20.9



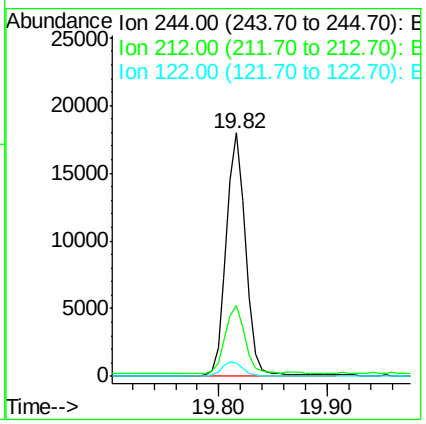


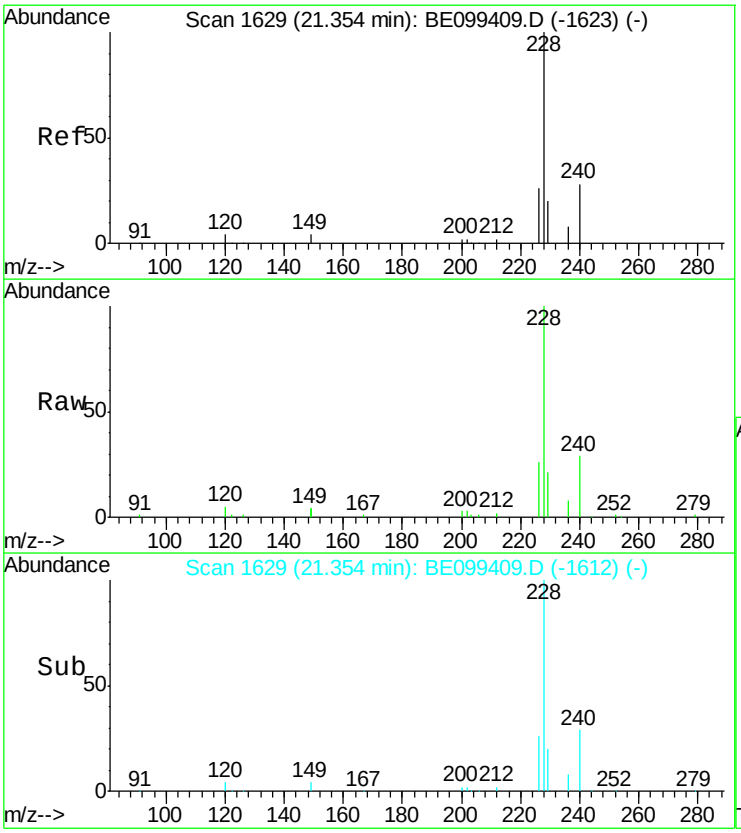
#29
Terphenyl-d14
Concen: 0.419 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:244 Resp: 21982

Ion	Ratio	Lower	Upper
244	100		
212	29.0	23.2	34.8
122	5.3	4.2	6.4

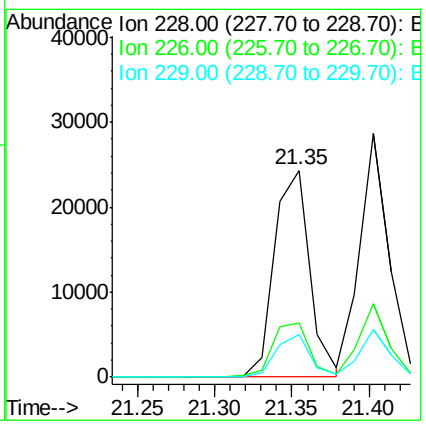


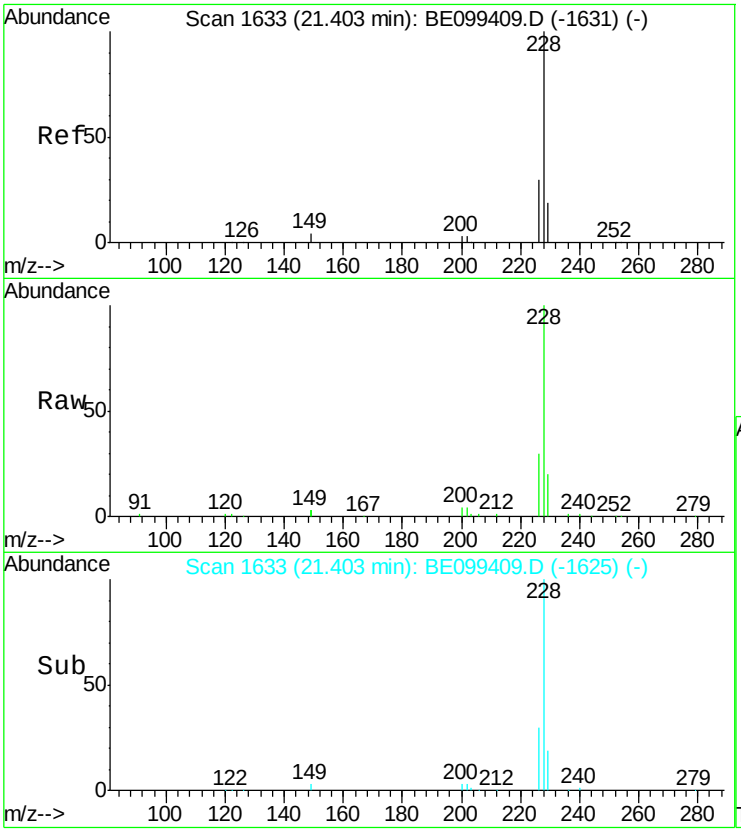


#30
Benzo(a)anthracene
Concen: 0.489 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:228 Resp: 38336

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.0	31.6
229	20.8	16.6	25.0



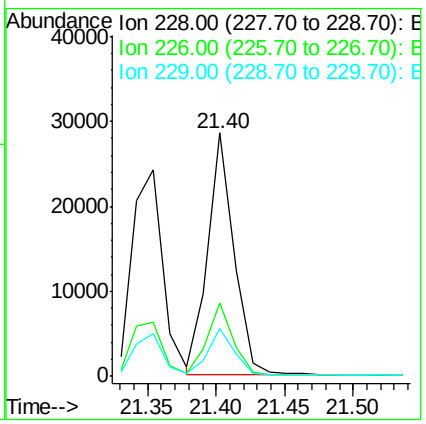


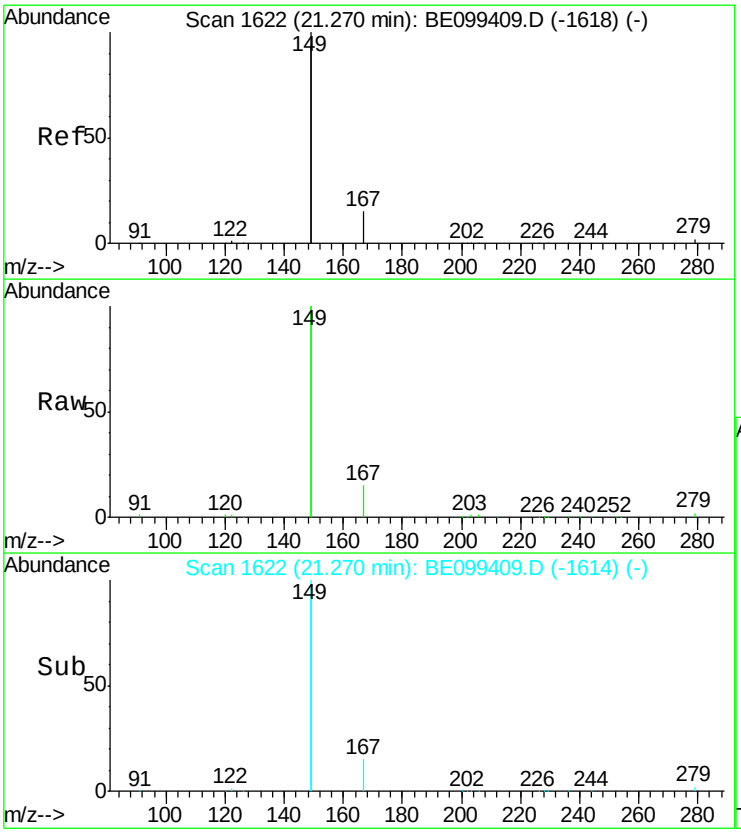
#31
Chrysene
Concen: 0.453 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:228 Resp: 37841

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.8	15.8	23.8

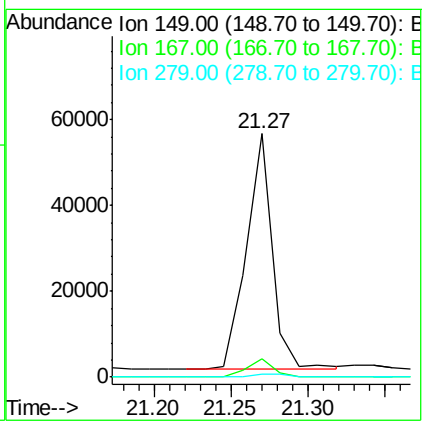


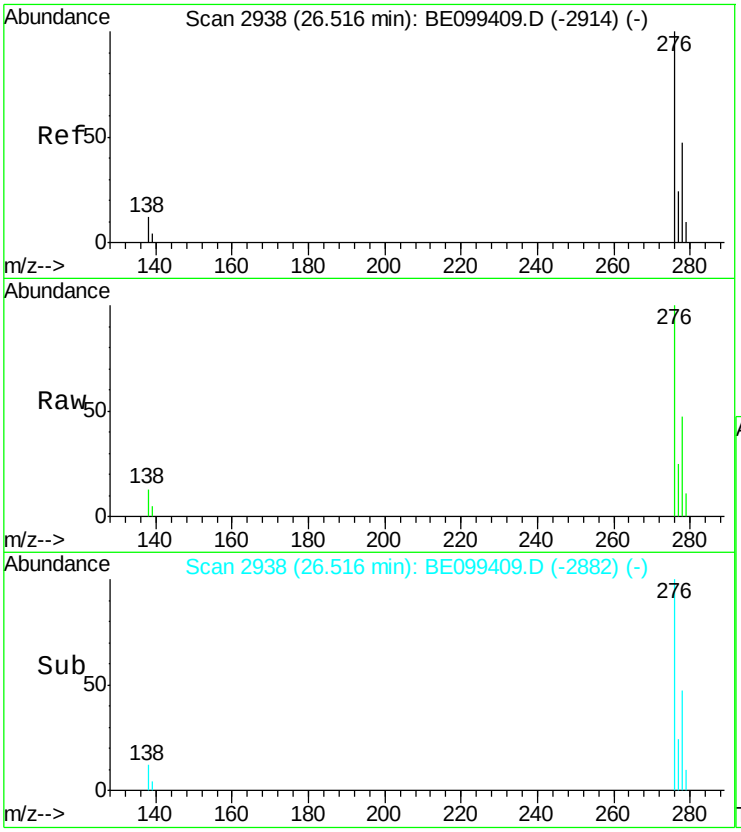


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.900 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:149 Resp: 64271

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.8	8.6
279	1.3	1.0	1.6



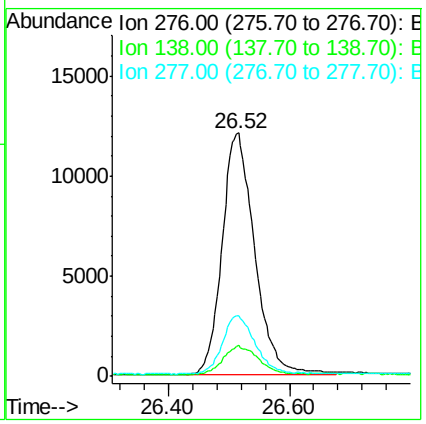


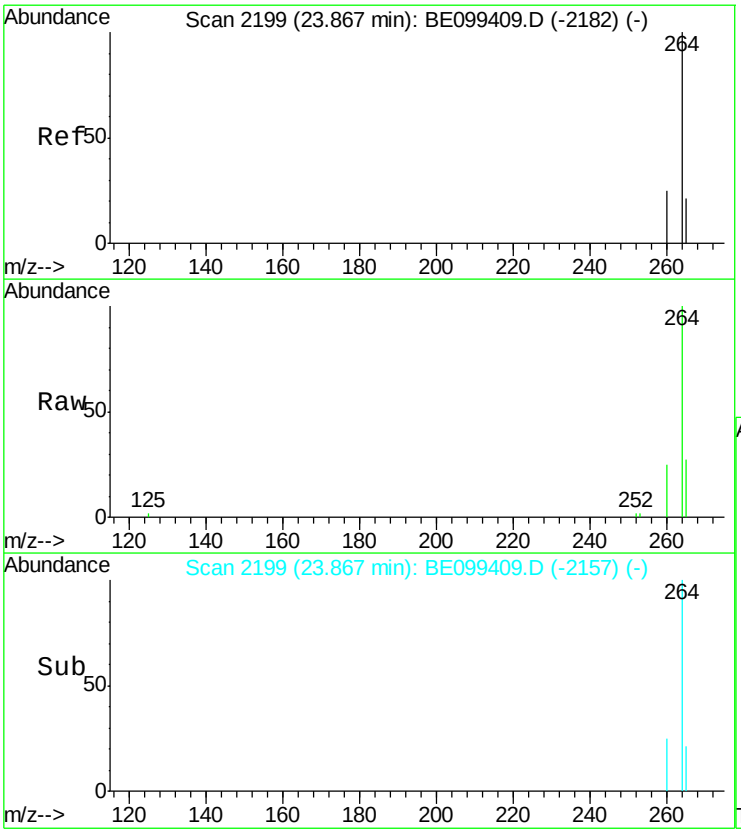
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.543 ng
RT: 26.52 min Scan# 2938
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 44807

Ion	Ratio	Lower	Upper
276	100		
138	12.7	10.2	15.2
277	24.0	19.2	28.8

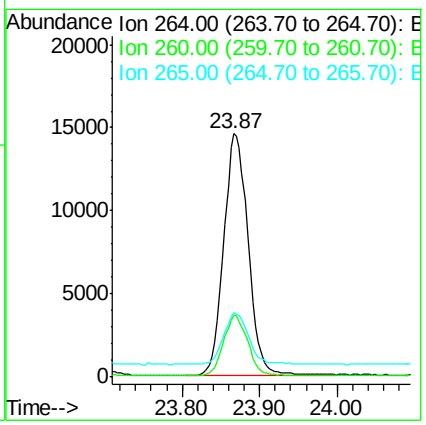


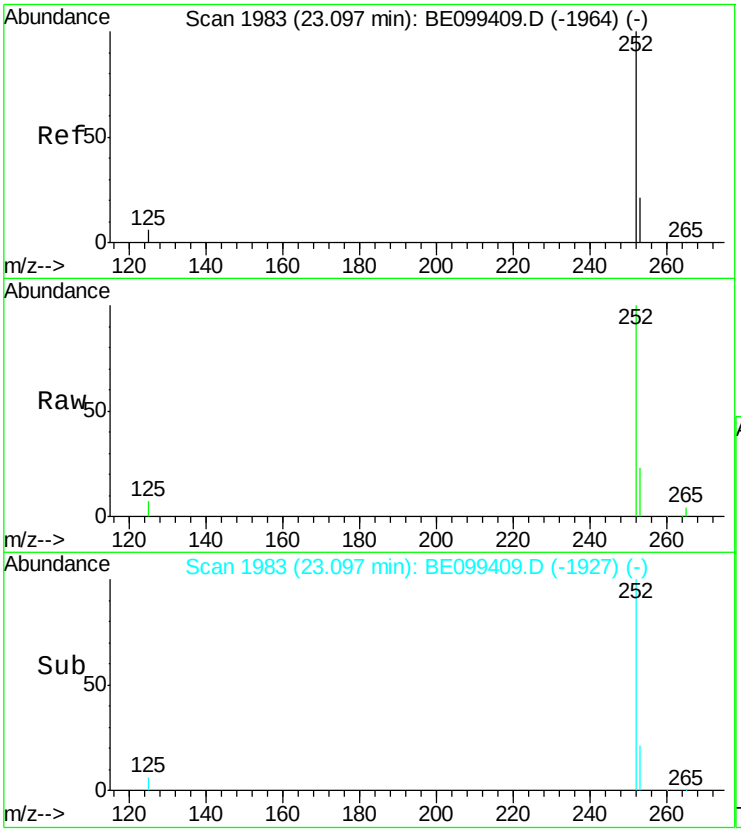


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.87 min Scan# 2199
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:264 Resp: 31765

Ion	Ratio	Lower	Upper
264	100		
260	25.2	20.2	30.2
265	26.6	21.3	31.9



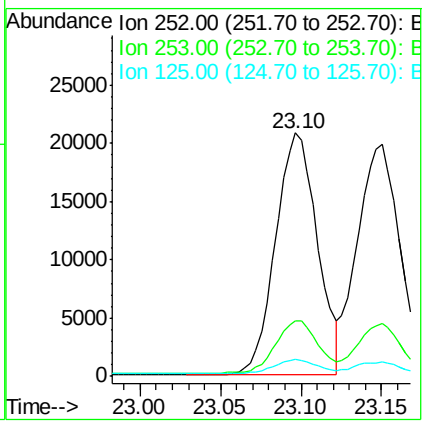


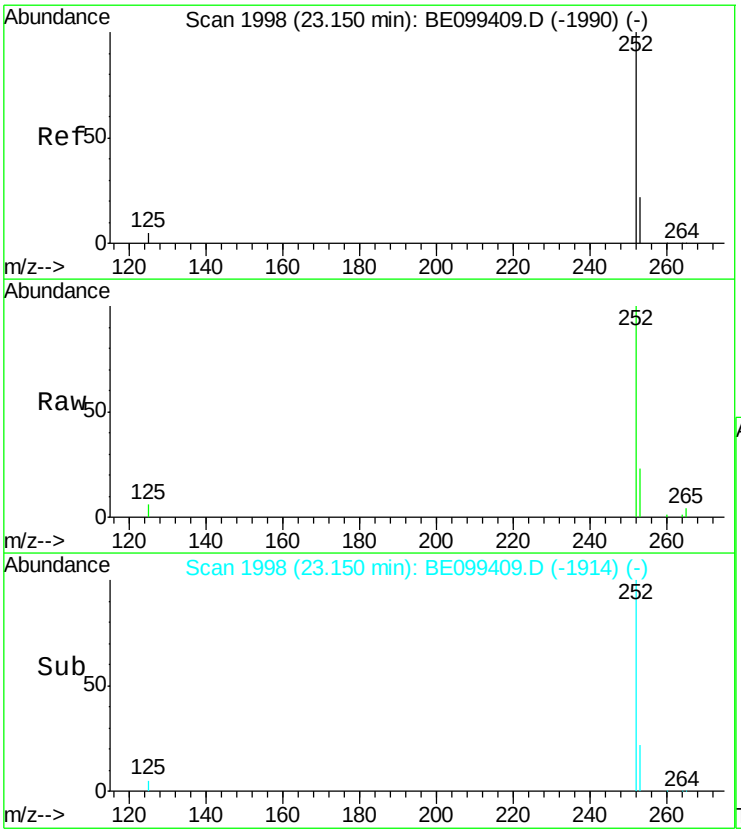
#35
Benzo(b)fluoranthene
Concen: 0.384 ng
RT: 23.10 min Scan# 1983
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 37321

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	7.0	5.6	8.4

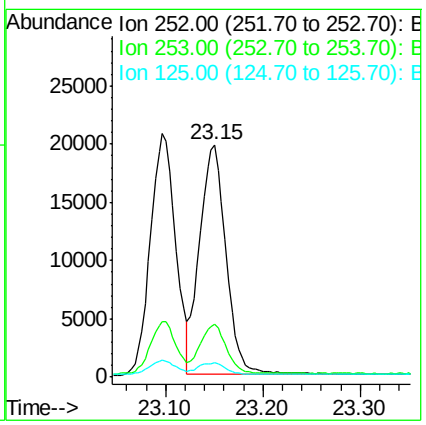


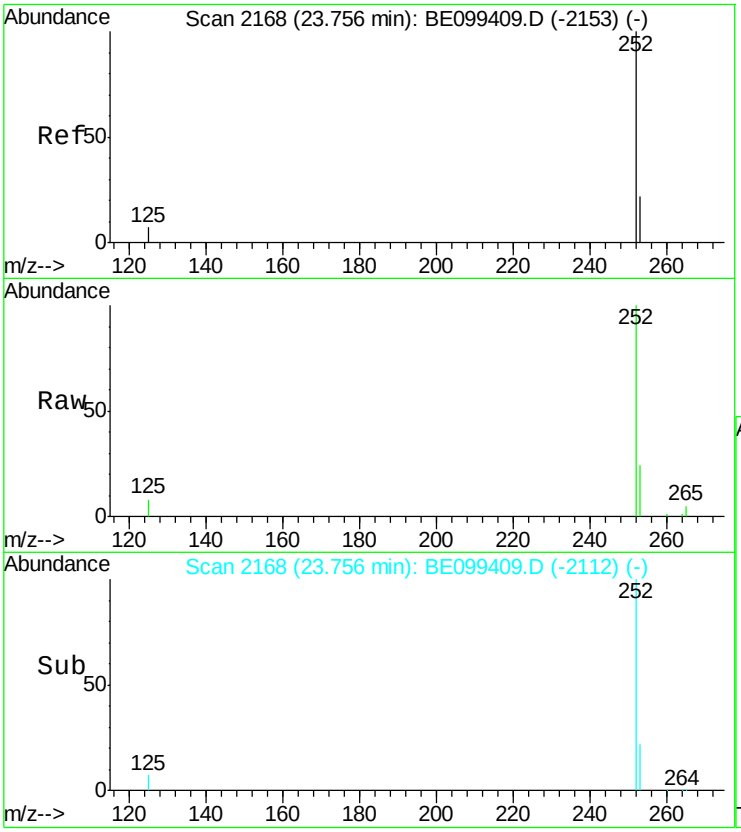


#36
Benzo(k)fluoranthene
Concen: 0.384 ng
RT: 23.15 min Scan# 1998
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:252 Resp: 37188

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.4	27.6
125	6.2	5.0	7.4



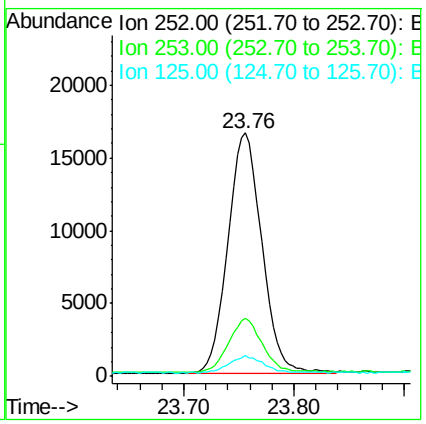


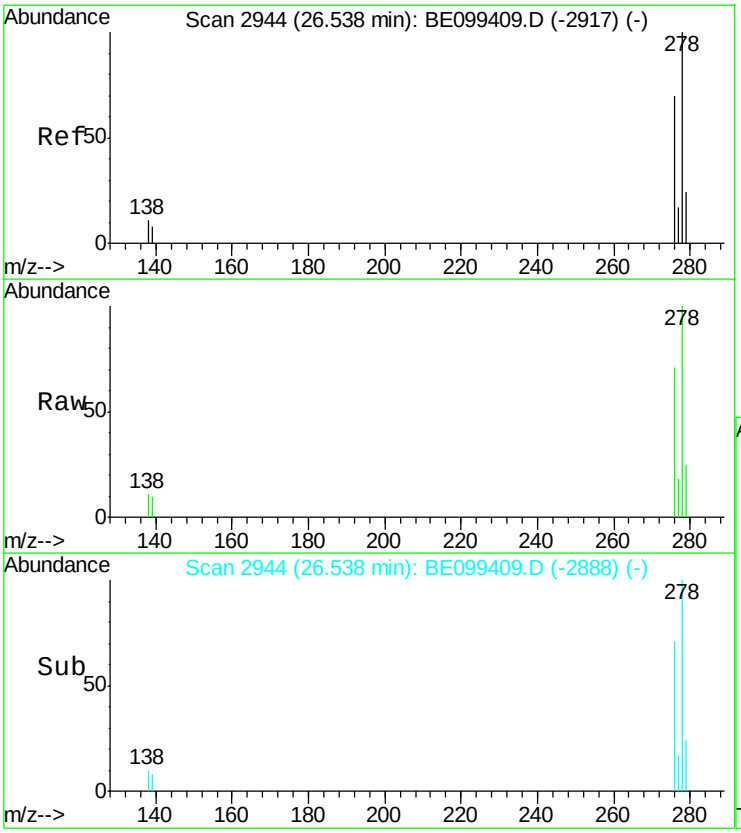
#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.76 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:252 Resp: 35742

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.9	28.3
125	8.4	6.7	10.1

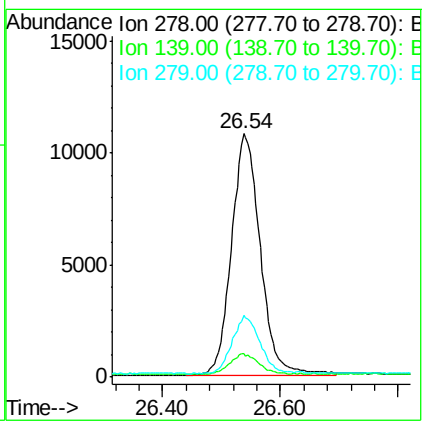


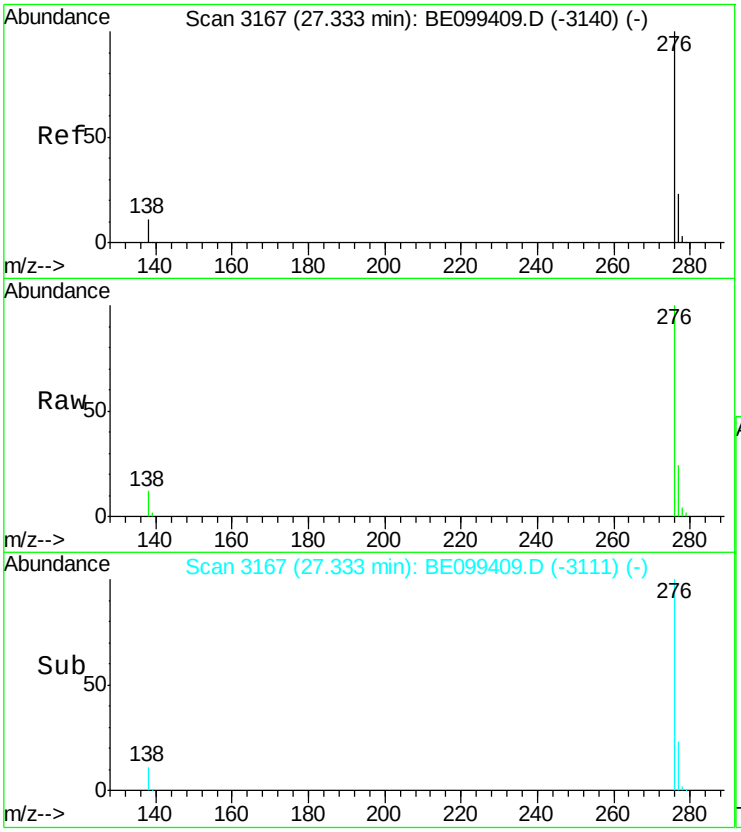


#38
Dibenzo(a,h)anthracene
Concen: 0.412 ng
RT: 26.54 min Scan# 2944
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Tgt Ion:278 Resp: 36643

Ion	Ratio	Lower	Upper
278	100		
139	9.6	7.7	11.5
279	25.2	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.408 ng
RT: 27.33 min Scan# 3167
Delta R.T. 0.00 min
Lab File: BE099409.D
Acq: 29 Apr 2019 15:30

Instrument :
BNA_E
ClientSampleId :
SSTDICCC0.4

Tgt Ion:276 Resp: 36801

Ion	Ratio	Lower	Upper
276	100		
277	24.4	19.5	29.3
138	12.0	9.6	14.4