Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099101.D
Acq On : 23 Mar 2019 4:18
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Mar 23 07:08:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 04:40:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	4404	0.40	ng		0.00
7) Naphthalene-d8	10.64	136	18833	0.40	ng		0.00
13) Acenaphthene-d10	14.48	164	14863	0.40	ng		0.00
19) Phenanthrene-d10	17.21	188	43423	0.40	ng		0.00
27) Chrysene-d12	21.39	240	47238	0.40	ng		0.00
34) Perylene-d12	23.90	264	49535	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	4418	0.34	ng		0.00
5) Phenol-d6	6.99	99	6513	0.34	ng		0.00
8) Nitrobenzene-d5	8.99	82	4357	0.53	ng		-0.01
11) 2-Methylnaphthalene-d10	12.22	152	11207	0.33	ng		-0.02
14) 2,4,6-Tribromophenol	15.96	330	2156	0.49	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	17646	0.30	ng		0.00
25) Fluoranthene-d10	19.24	212	167660	0.29	ng		0.00
29) Terphenyl-d14	19.84	244	33347	0.33	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	2248	0.329	ng	#	90
3) n-Nitrosodimethylamine	3.67	42	1043	0.296	ng	#	98
6) bis(2-Chloroethyl)ether	7.26	93	5396	0.352	ng		82
9) Naphthalene	10.68	128	70566	0.318	ng		99
10) Hexachlorobutadiene	10.96	225	3492	0.322	ng		99
12) 2-Methylnaphthalene	12.29	142	12821	0.337	ng		95
16) Acenaphthylene	14.20	152	23923	0.302	ng		97
17) Acenaphthene	14.54	154	14161	0.301	ng		98
18) Fluorene	15.51	166	21059	0.307	ng		98
20) 4-Bromophenyl-phenylether	16.41	248	7740	0.322	ng	#	70
21) Hexachlorobenzene	16.52	284	7244	0.324	ng		96
22) Pentachlorophenol	16.87	266	2789	0.556	ng	#	77
23) Phenanthrene	17.25	178	39674	0.308	ng		99
24) Anthracene	17.35	178	36420	0.299	ng		99
26) Fluoranthene	19.27	202	50296	0.277	ng		99
28) Pyrene	19.63	202	51445	0.321	ng		98
30) Benzo(a)anthracene	21.37	228	50861	0.306	ng		97
31) Chrysene	21.43	228	52748	0.317	ng		99
32) Bis(2-ethylhexyl)phthalate	21.29	149	76489	0.354	ng		99
33) Indeno(1,2,3-cd)pyrene	26.56	276	56624	0.317	ng		98
35) Benzo(b)fluoranthene	23.12	252	50730	0.296	ng		99
36) Benzo(k)fluoranthene	23.17	252	50366	0.300	ng		98
37) Benzo(a)pyrene	23.78	252	47204	0.298	ng	#	94
38) Dibenzo(a,h)anthracene	26.58	278	46366	0.301	ng		97
39) Benzo(g,h,i)perylene	27.38	276	47062	0.297	ng		97

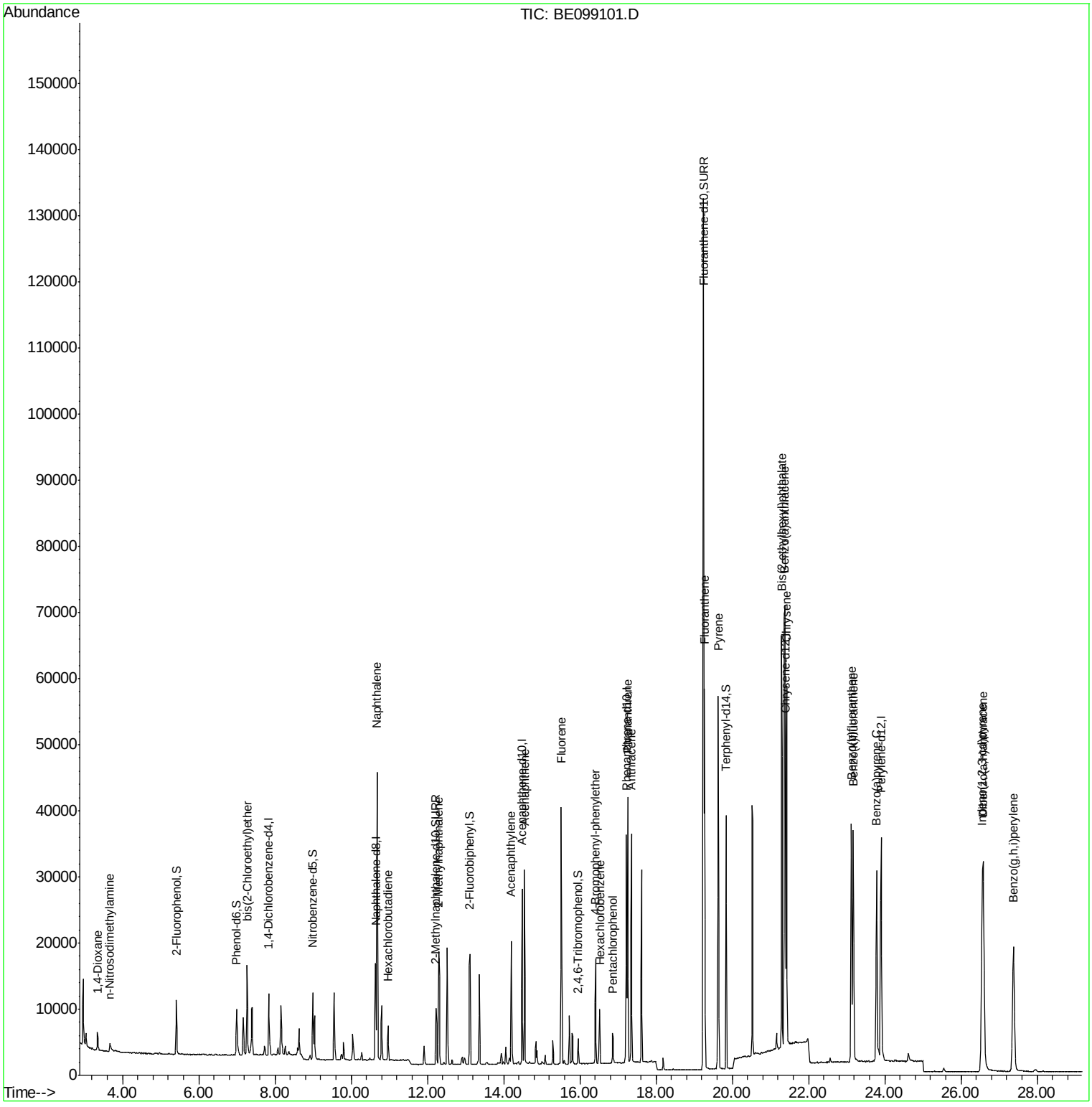
(#) = qualifier out of range (m) = manual integration (+) = signals summed

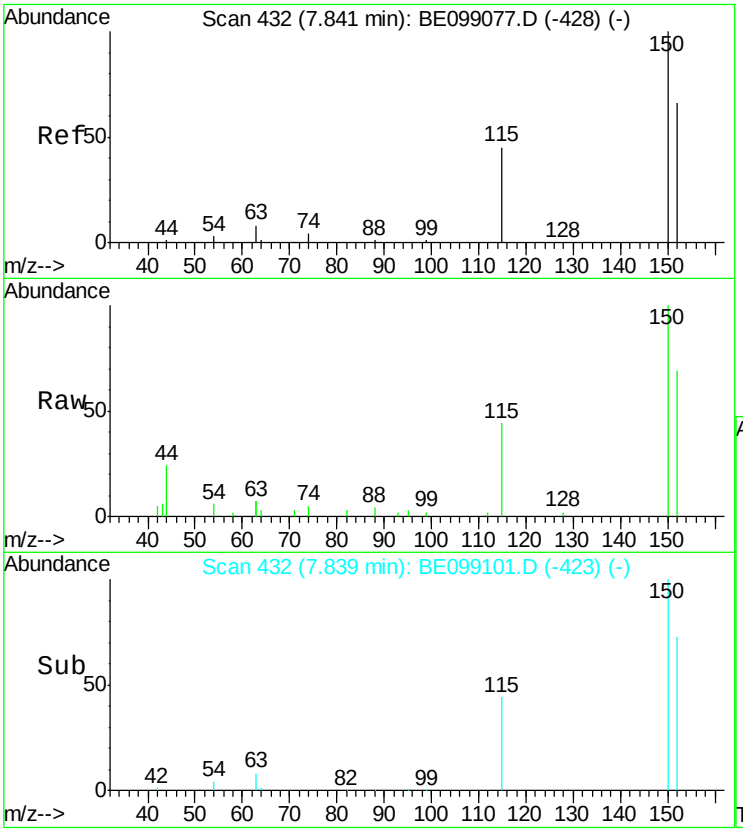
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099101.D
Acq On : 23 Mar 2019 4:18
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Mar 23 07:08:46 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 04:40:11 2019
Response via : Initial Calibration



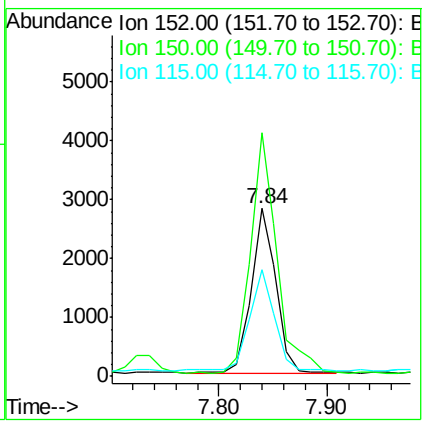


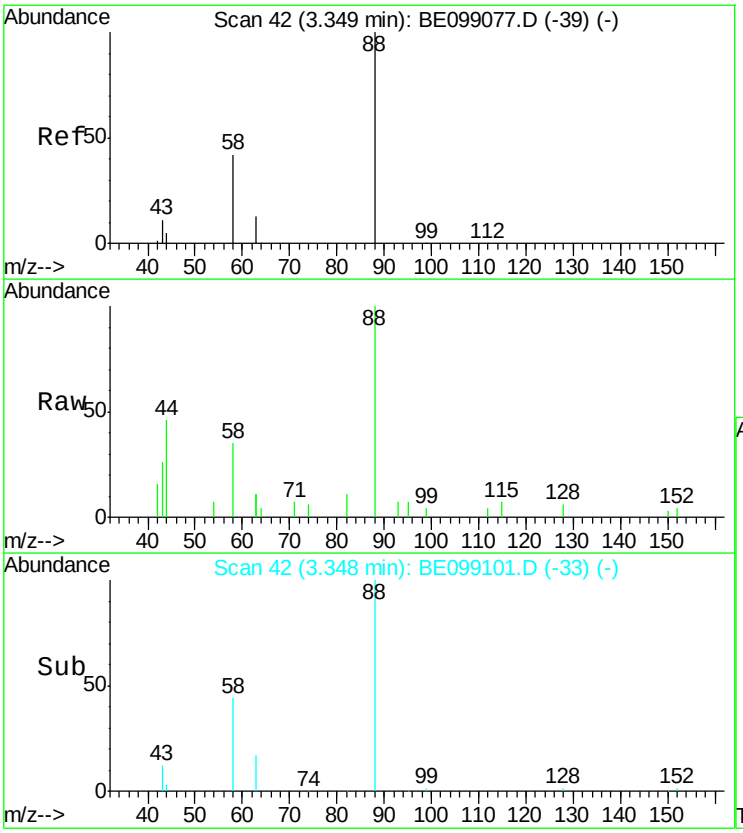
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4404

Ion	Ratio	Lower	Upper
152	100		
150	145.3	122.5	183.7
115	63.4	57.4	86.2

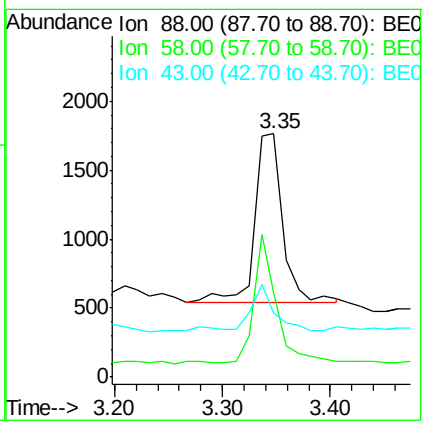


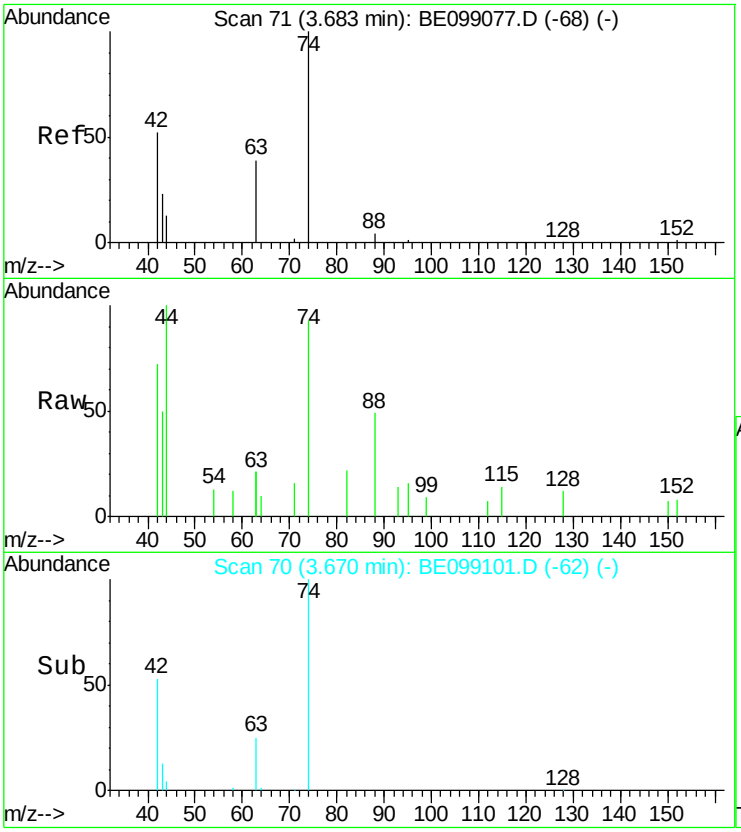


#2
1,4-Dioxane
Concen: 0.329 ng
RT: 3.35 min Scan# 42
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion: 88 Resp: 2248

Ion	Ratio	Lower	Upper
88	100		
58	59.0	52.0	78.0
43	21.4	24.0	36.0#



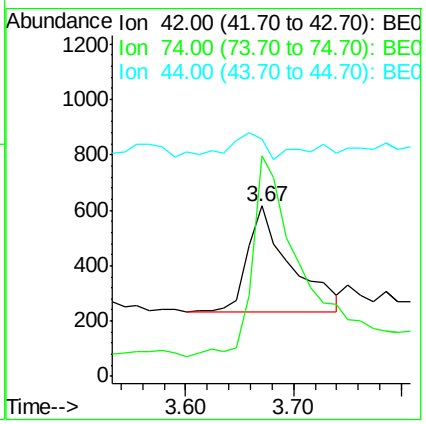


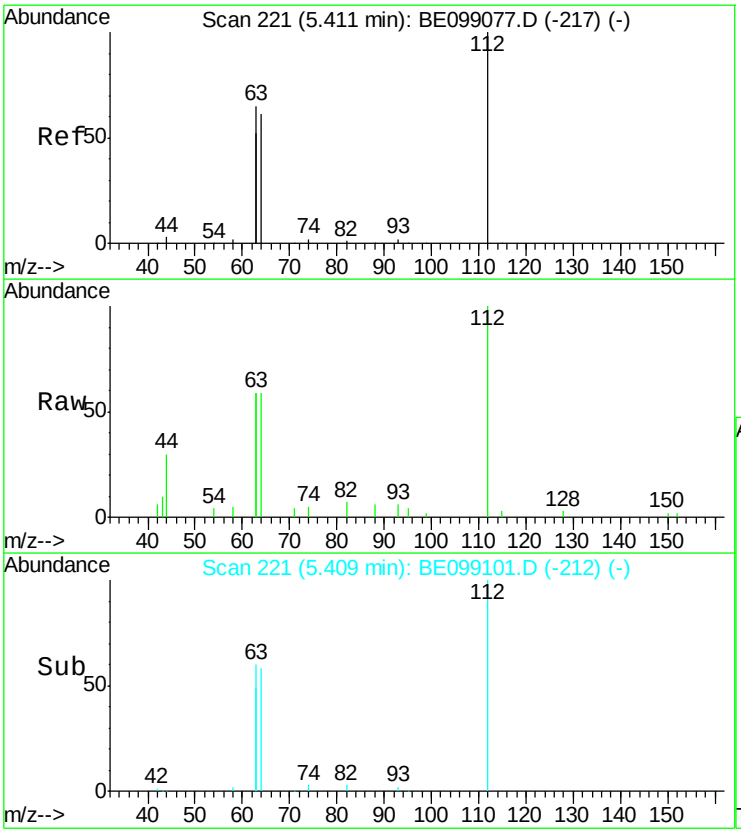
#3
n-Nitrosodimethylamine
Concen: 0.296 ng
RT: 3.67 min Scan# 70
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1043

Ion	Ratio	Lower	Upper
42	100		
74	203.3	160.0	240.0
44	19.0	0.0	0.0#

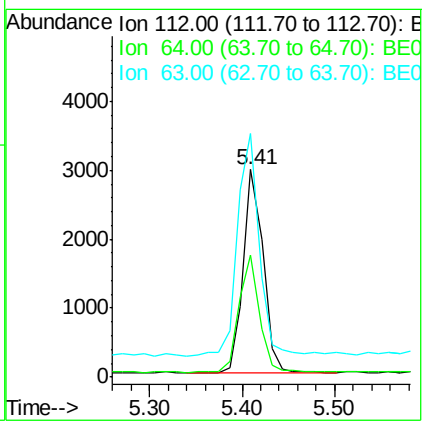


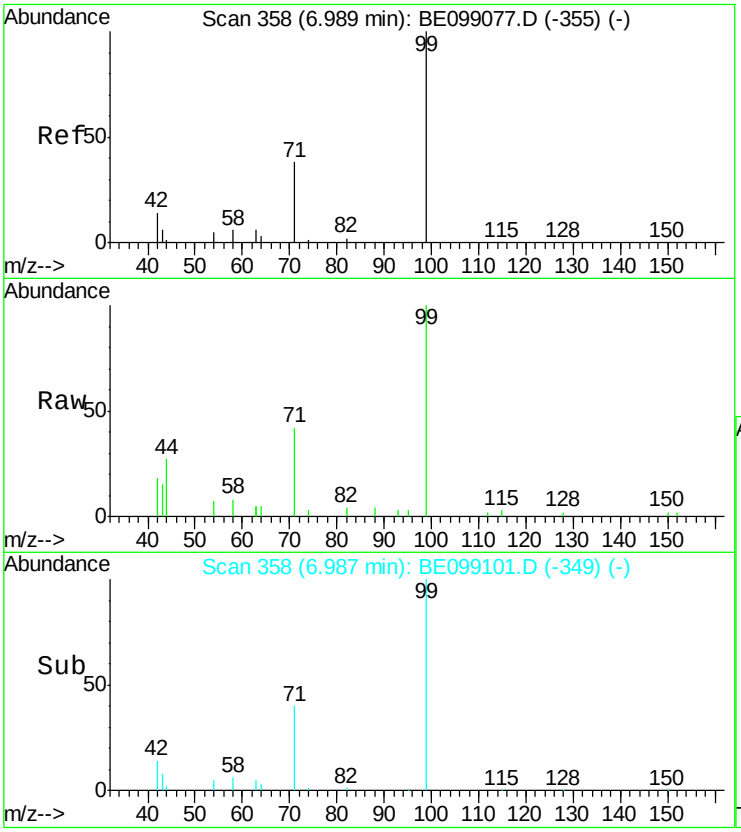


#4
2-Fluorophenol
Concen: 0.337 ng
RT: 5.41 min Scan# 221
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:112 Resp: 4418

Ion	Ratio	Lower	Upper
112	100		
64	59.2	57.9	86.9
63	117.7	158.3	237.5#



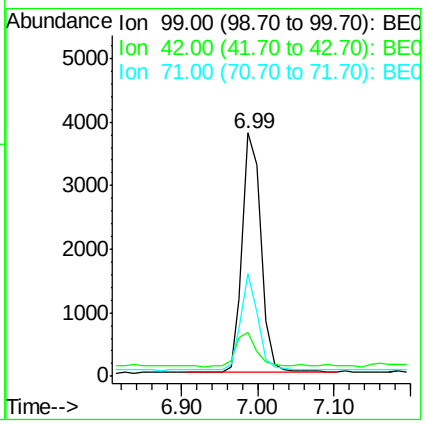


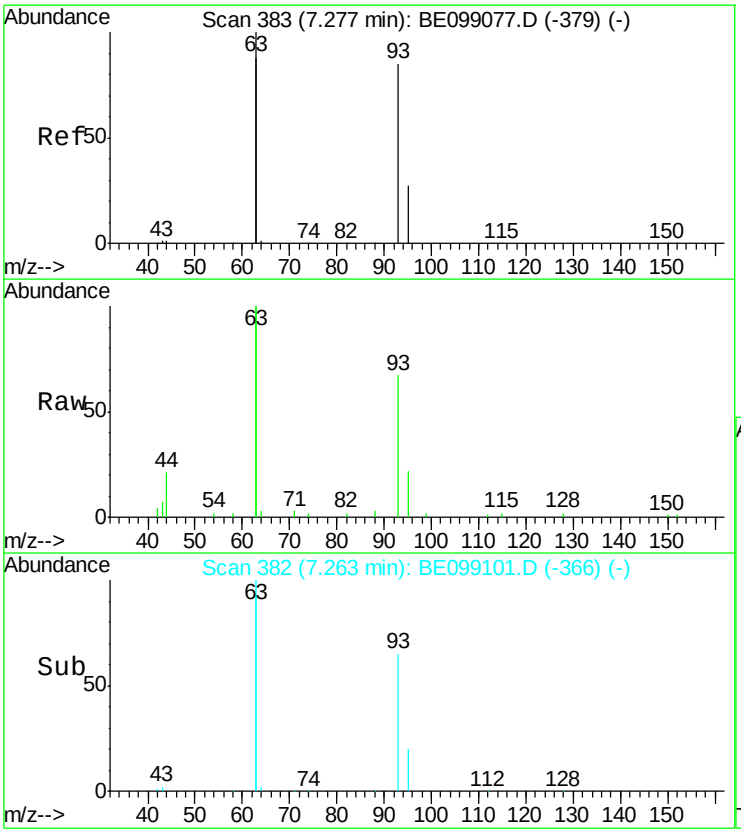
#5
Phenol-d6
Concen: 0.345 ng
RT: 6.99 min Scan# 358
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 6513

Ion	Ratio	Lower	Upper
99	100		
42	15.4	24.2	36.2#
71	36.5	35.7	53.5

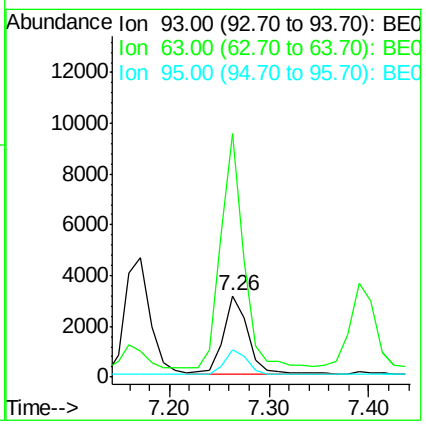


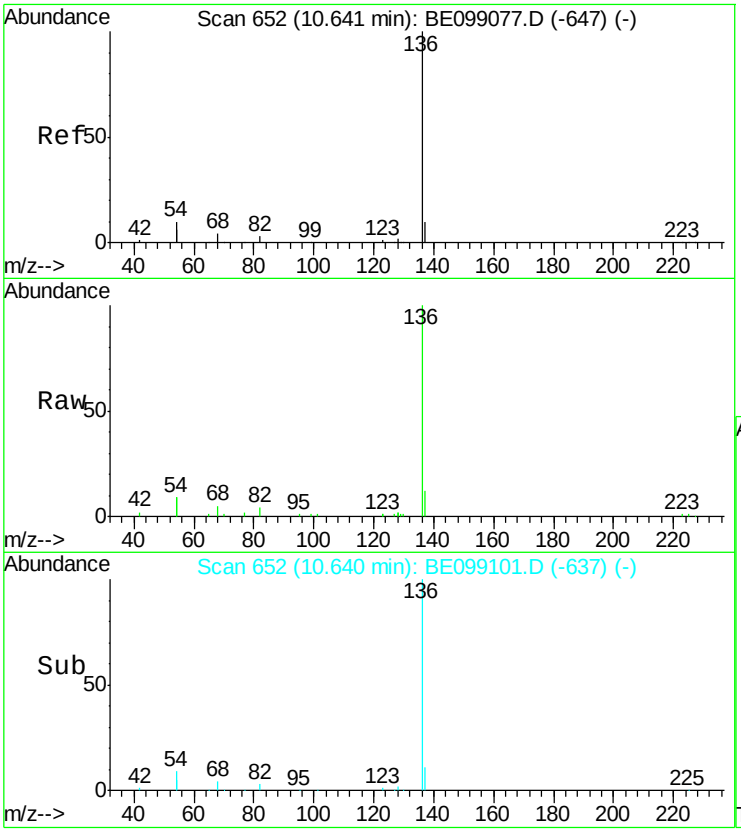


#6
bis(2-Chloroethyl)ether
Concen: 0.352 ng
RT: 7.26 min Scan# 382
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion: 93 Resp: 5396

Ion	Ratio	Lower	Upper
93	100		
63	272.0	247.5	371.3
95	29.8	21.8	32.8



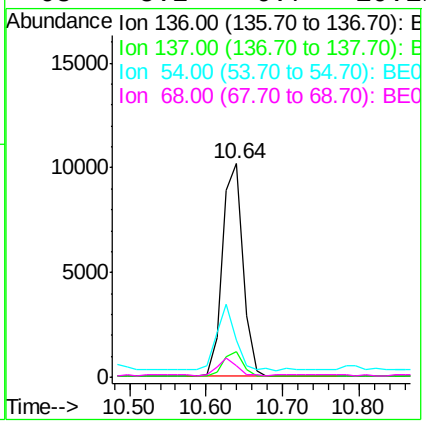


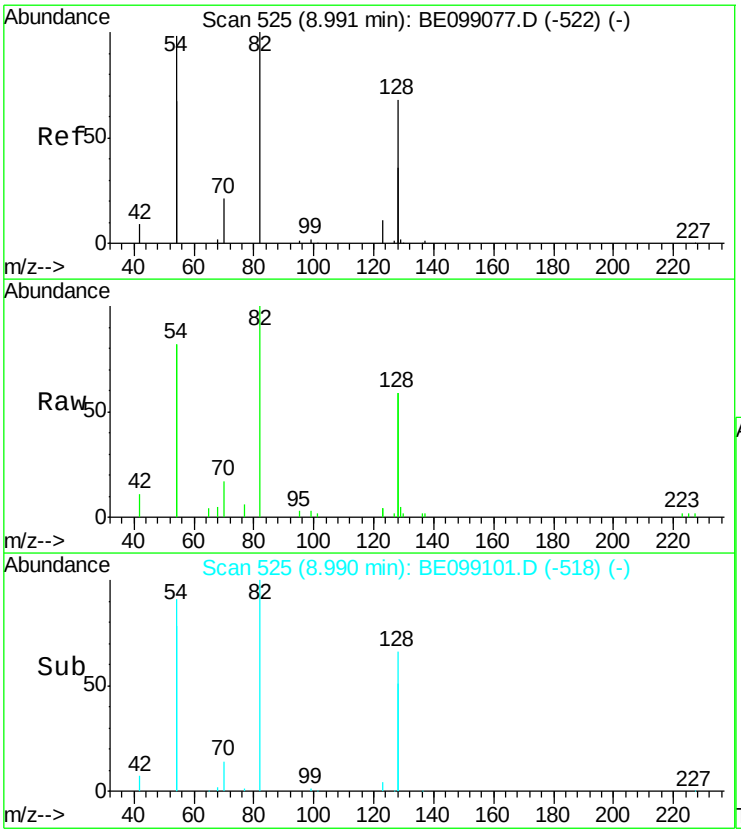
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 18833

Ion	Ratio	Lower	Upper
136	100		
137	11.7	11.4	17.0
54	17.3	39.3	58.9#
68	5.2	6.7	10.1#

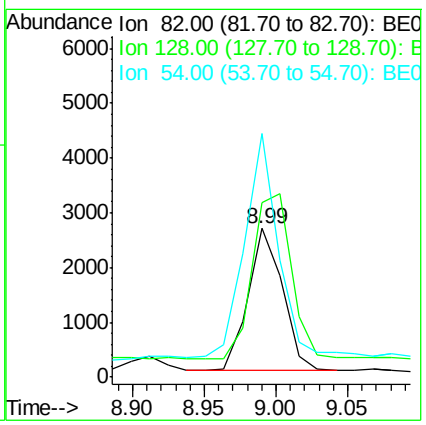


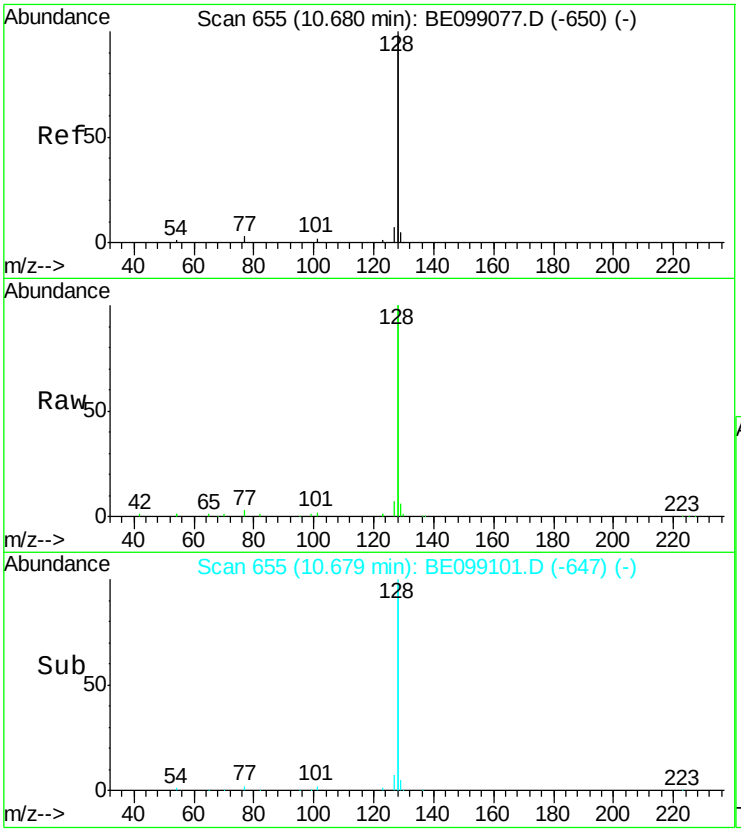


#8
Nitrobenzene-d5
Concen: 0.529 ng
RT: 8.99 min Scan# 525
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion: 82 Resp: 4357

Ion	Ratio	Lower	Upper
82	100		
128	117.8	123.8	185.8#
54	163.8	203.4	305.2#



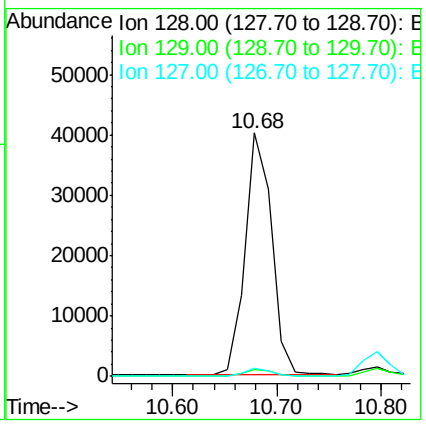


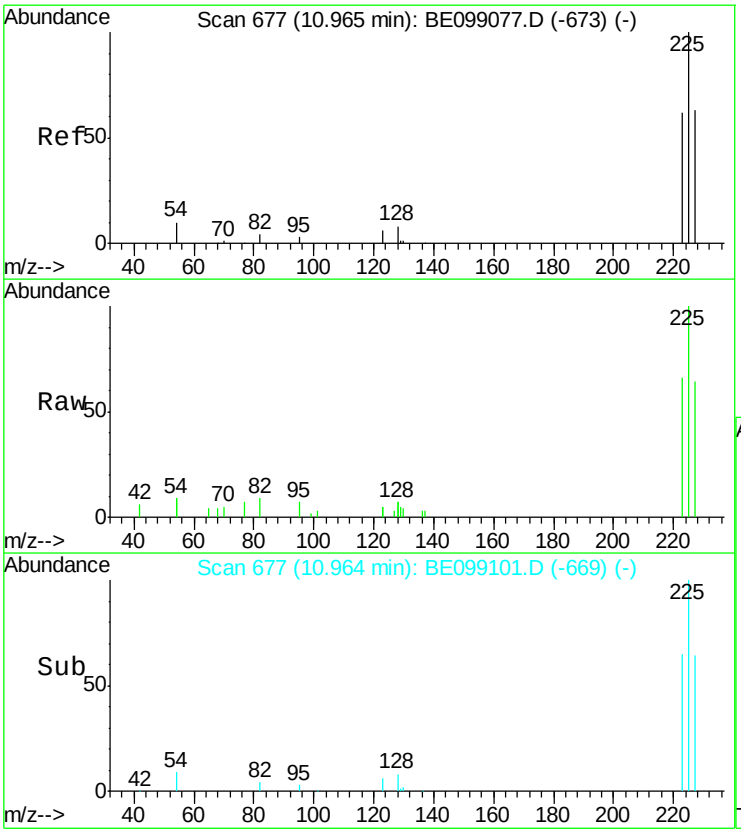
#9
Naphthalene
Concen: 0.318 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 70566

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.6	4.0
127	3.5	3.1	4.7

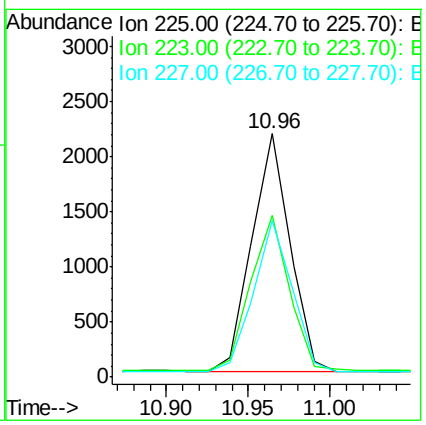


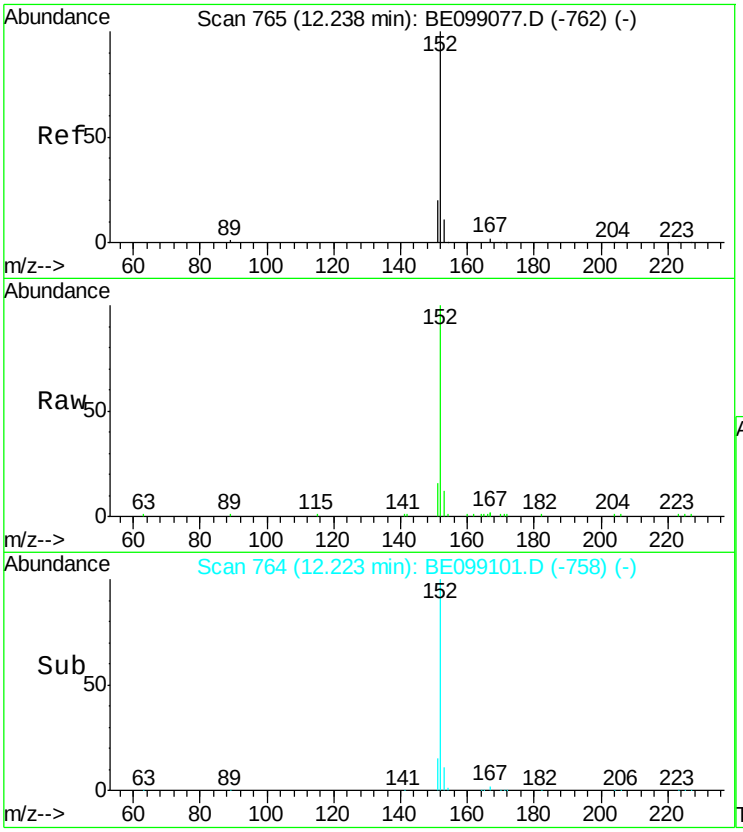


#10
Hexachlorobutadiene
Concen: 0.322 ng
RT: 10.96 min Scan# 677
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:225 Resp: 3492

Ion	Ratio	Lower	Upper
225	100		
223	66.0	51.1	76.7
227	64.4	51.6	77.4



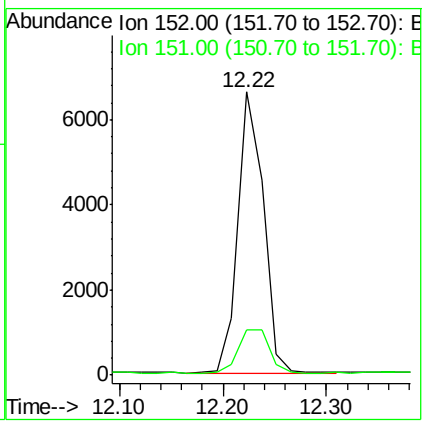


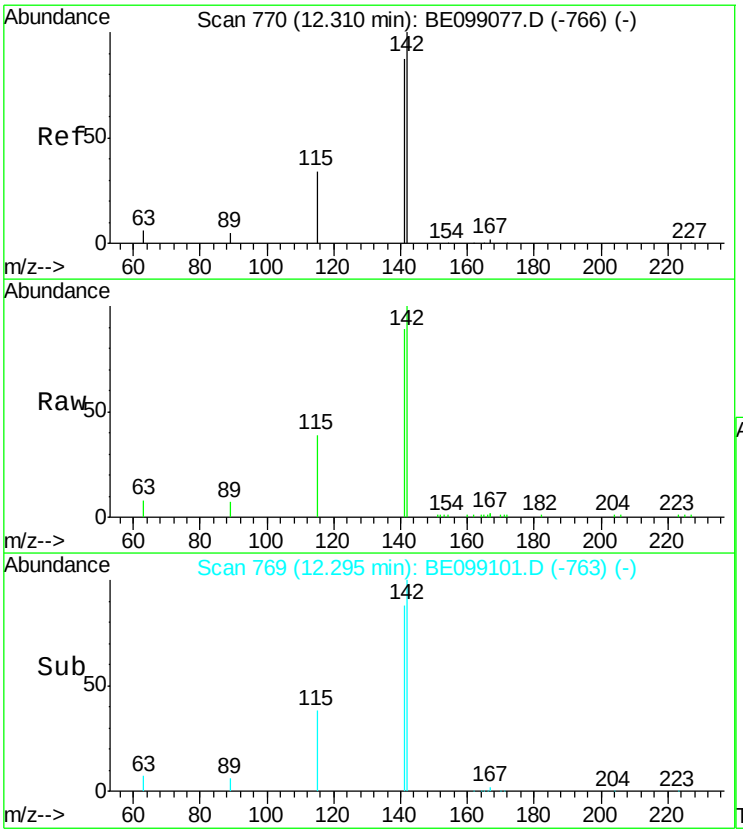
#11
2-Methylnaphthalene-d10
Concen: 0.330 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.02 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 11207

Ion	Ratio	Lower	Upper
152	100		
151	18.8	16.5	24.7

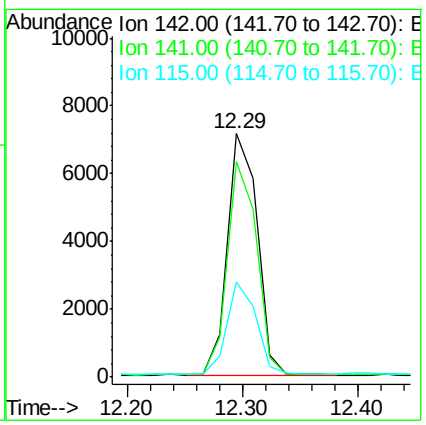


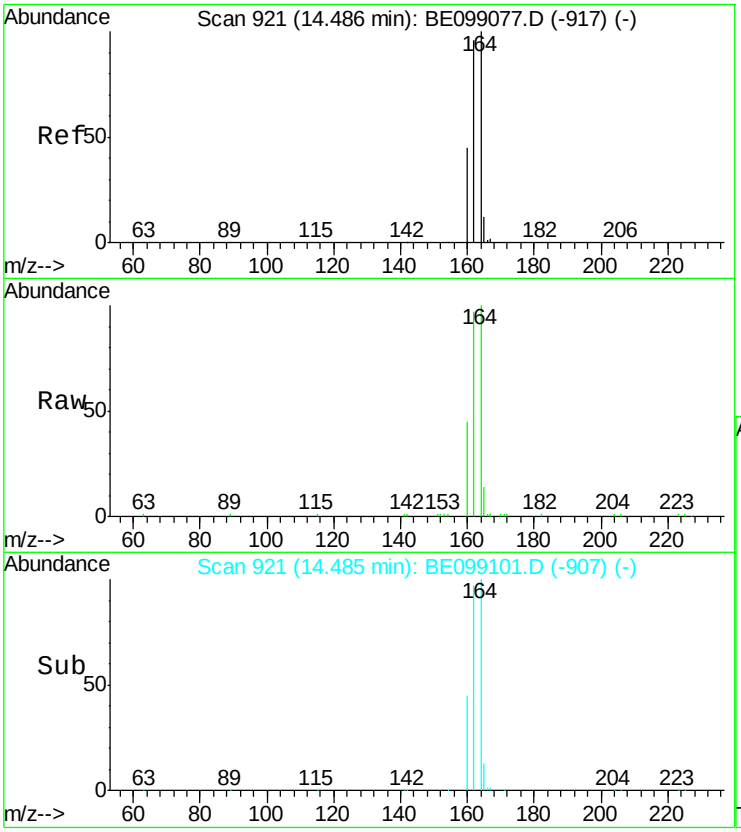


#12
2-Methylnaphthalene
Concen: 0.337 ng
RT: 12.29 min Scan# 769
Delta R.T. -0.02 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:142 Resp: 12821

Ion	Ratio	Lower	Upper
142	100		
141	88.5	72.6	108.8
115	39.2	37.4	56.2



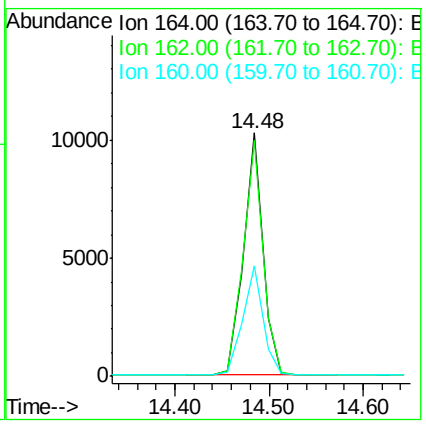


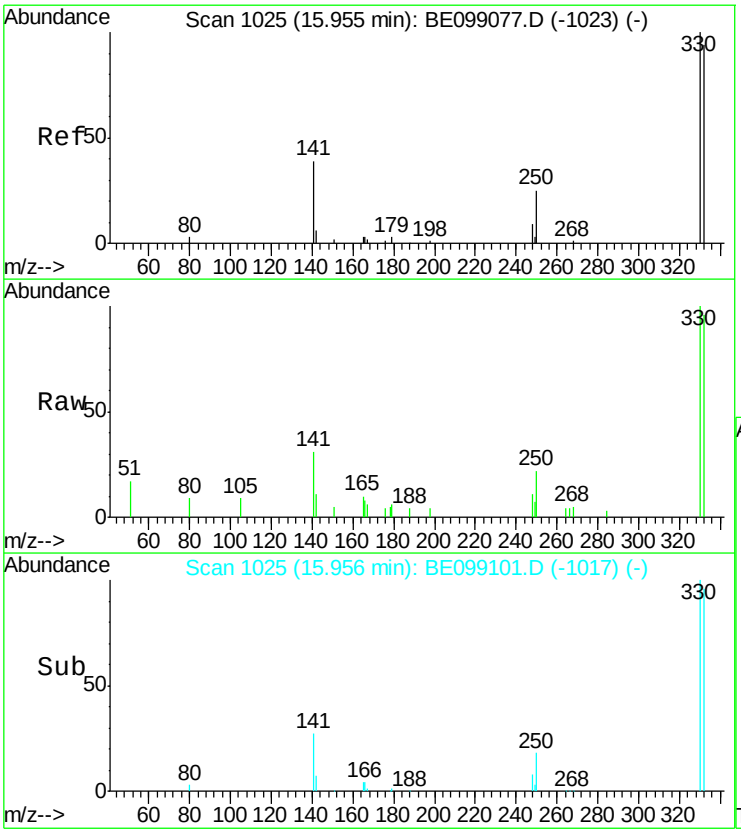
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 14863

Ion	Ratio	Lower	Upper
164	100		
162	97.2	80.2	120.2
160	45.4	37.8	56.8

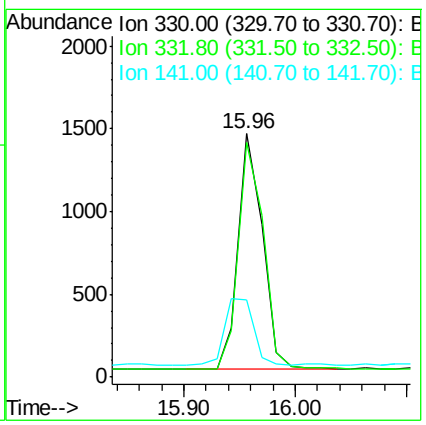


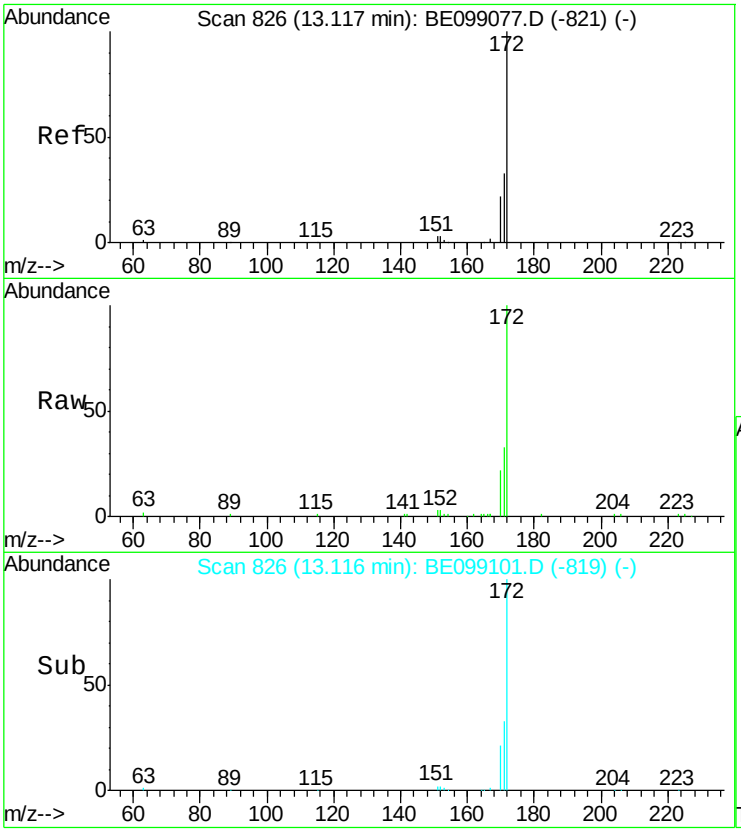


#14
2,4,6-Tribromophenol
Concen: 0.493 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:330 Resp: 2156

Ion	Ratio	Lower	Upper
330	100		
332	99.8	77.6	116.4
141	33.6	31.0	46.4



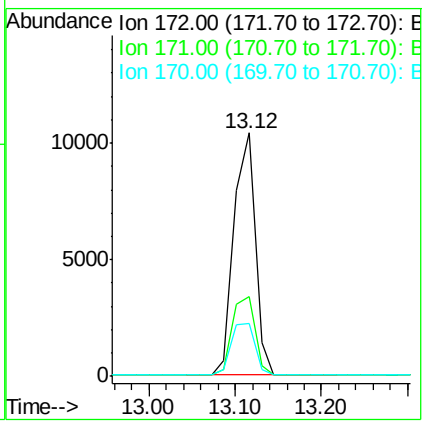


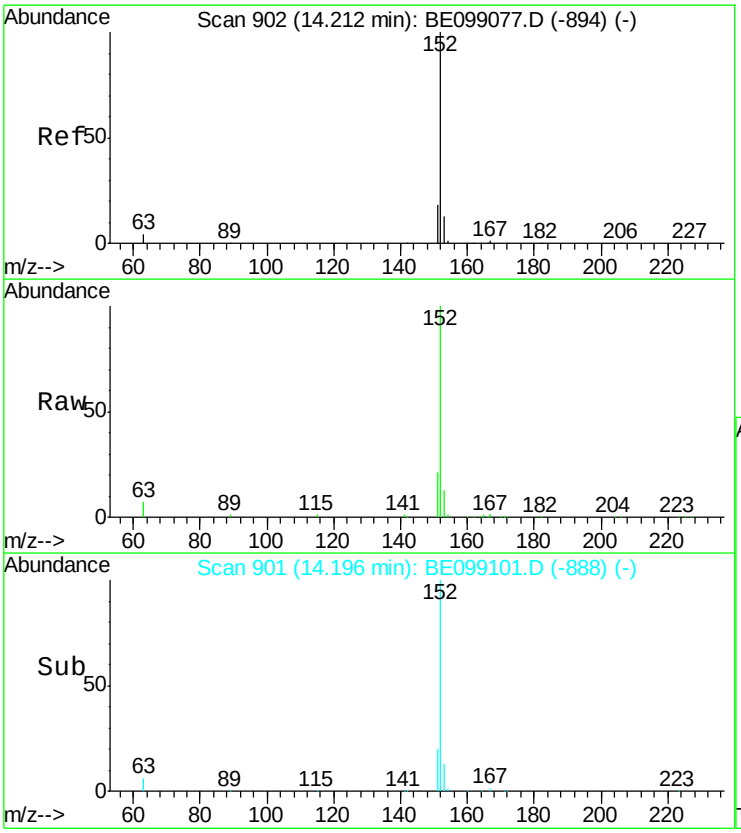
#15
2-Fluorobiphenyl
Concen: 0.299 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 17646

Ion	Ratio	Lower	Upper
172	100		
171	32.9	28.0	42.0
170	21.5	17.7	26.5

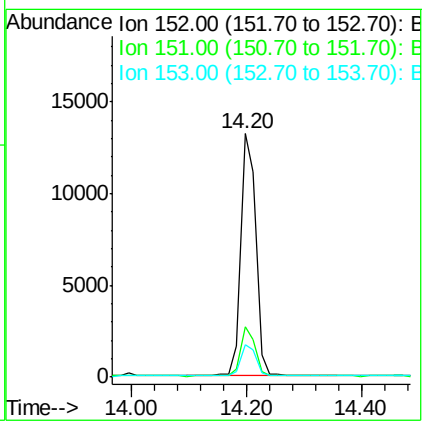


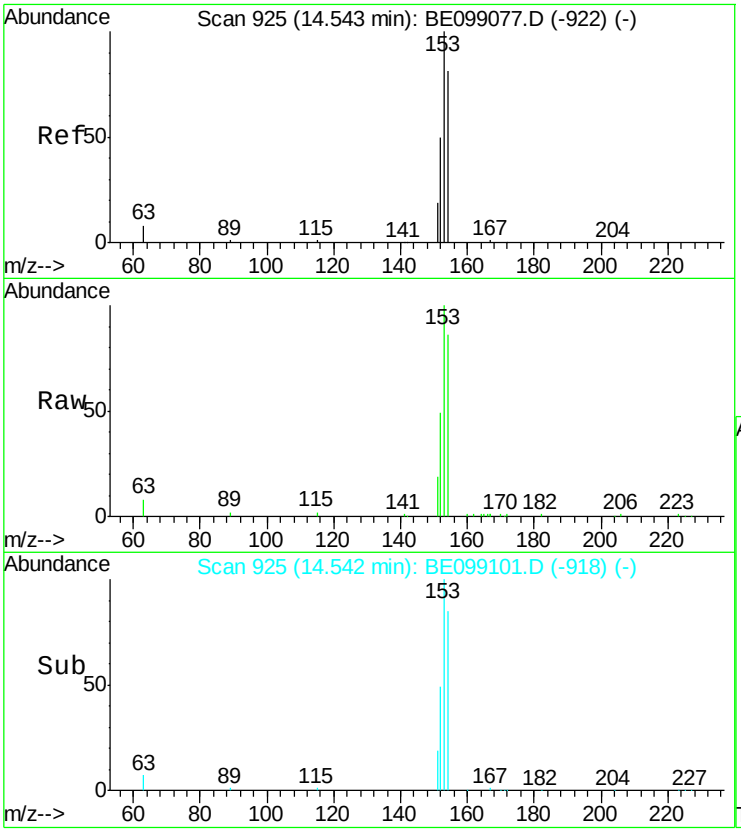


#16
Acenaphthylene
Concen: 0.302 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:152 Resp: 23923

Ion	Ratio	Lower	Upper
152	100		
151	19.4	17.0	25.6
153	13.1	11.2	16.8



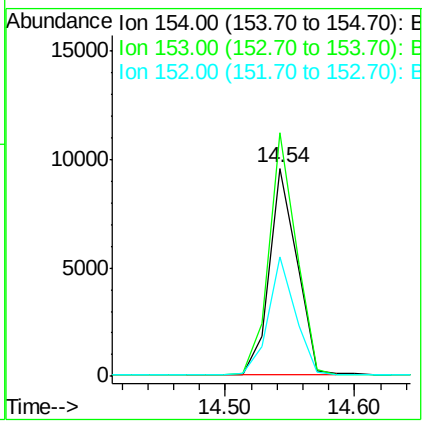


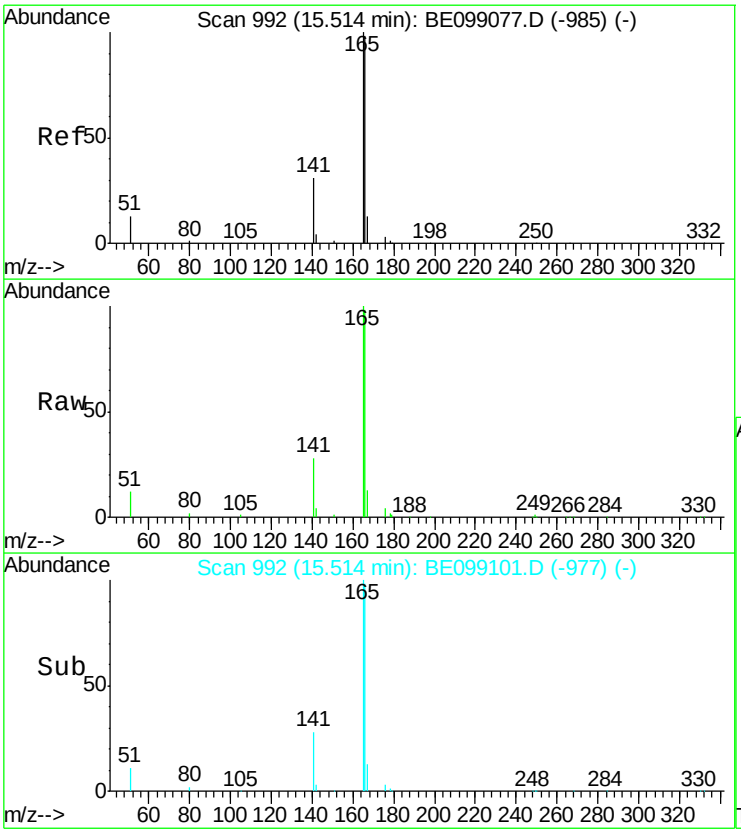
#17
Acenaphthene
Concen: 0.301 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 14161

Ion	Ratio	Lower	Upper
154	100		
153	115.4	94.2	141.4
152	56.1	45.0	67.4

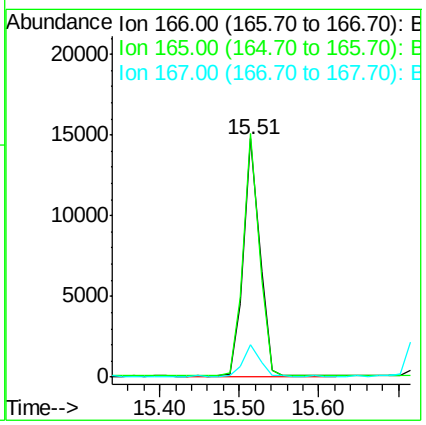


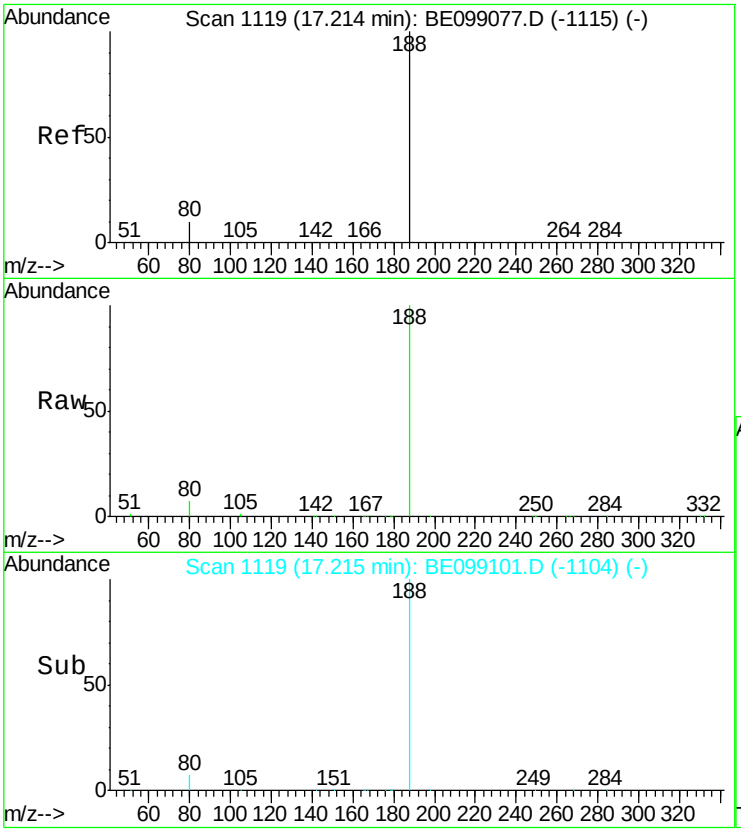


#18
Fluorene
Concen: 0.307 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:166 Resp: 21059

Ion	Ratio	Lower	Upper
166	100		
165	101.0	79.3	118.9
167	13.4	10.5	15.7



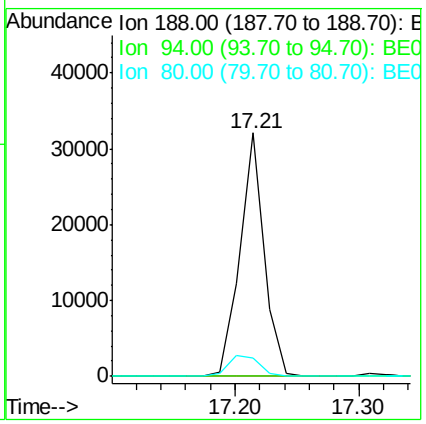


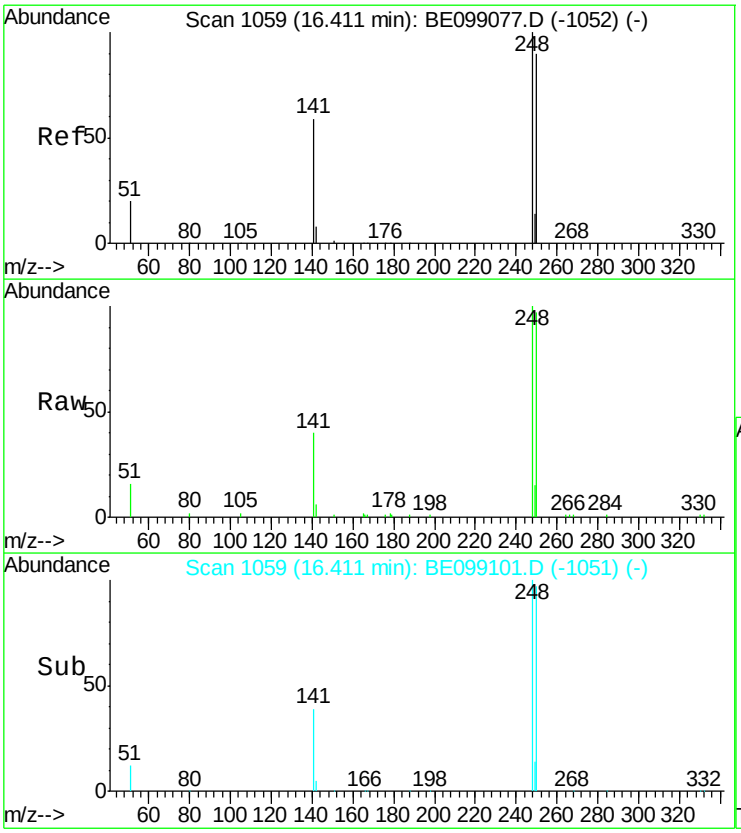
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 43423

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.4	6.3	9.5

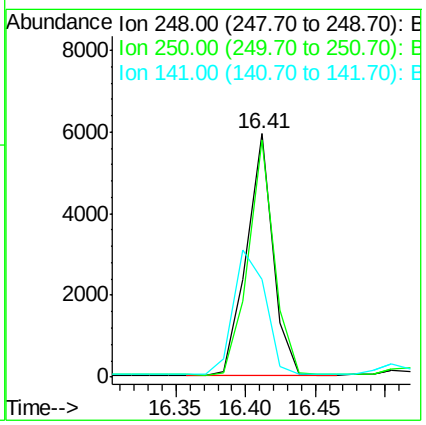


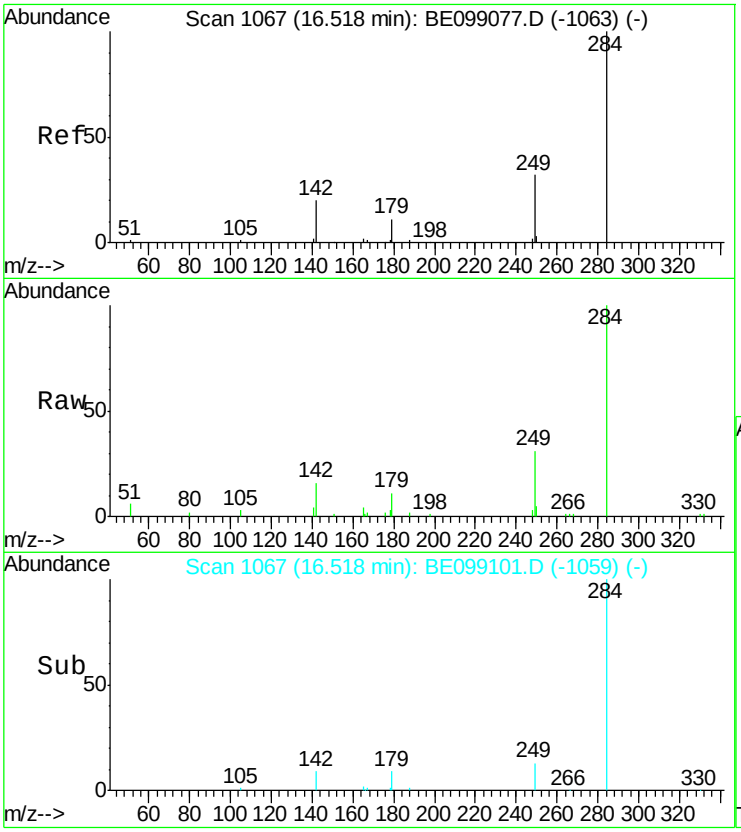


#20
4-Bromophenyl-phenylether
Concen: 0.322 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:248 Resp: 7740

Ion	Ratio	Lower	Upper
248	100		
250	97.4	70.6	105.8
141	40.0	68.6	102.8#



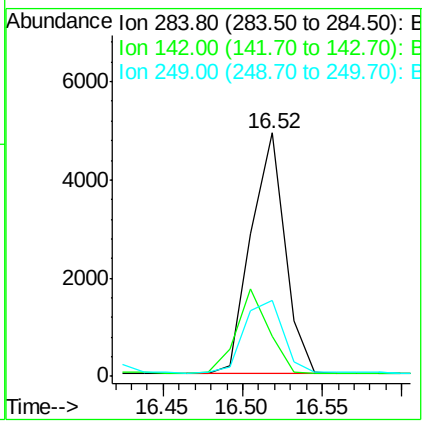


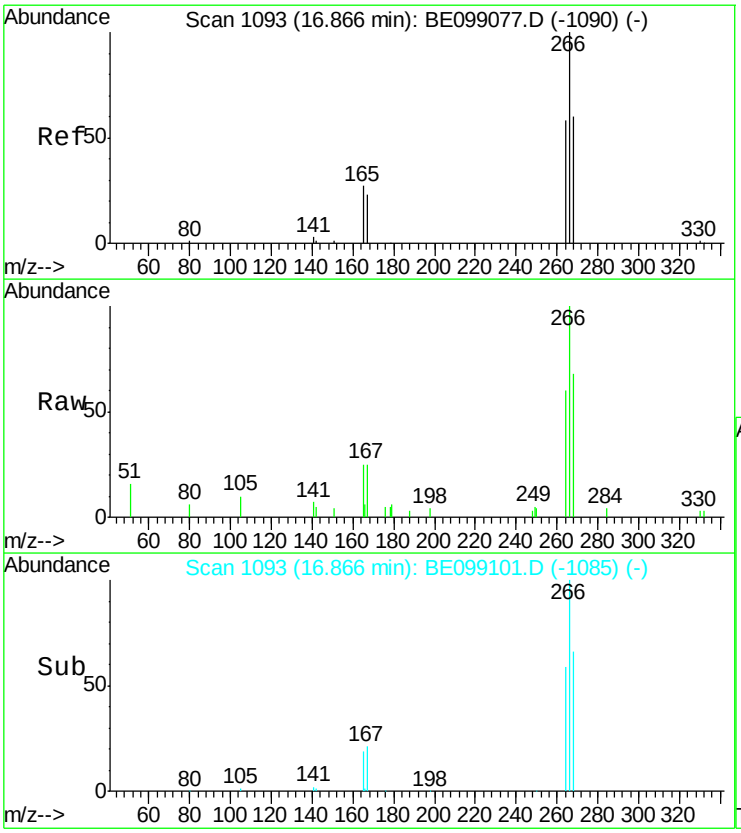
#21
Hexachlorobenzene
Concen: 0.324 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 7244

Ion	Ratio	Lower	Upper
284	100		
142	33.8	28.7	43.1
249	34.4	29.6	44.4

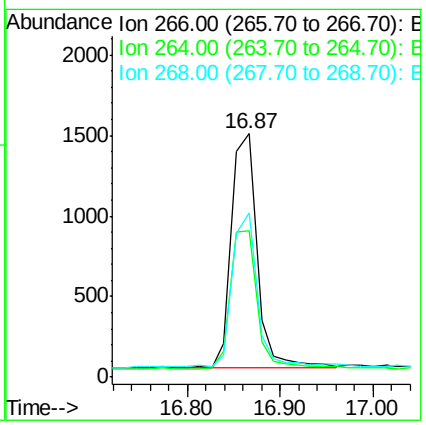


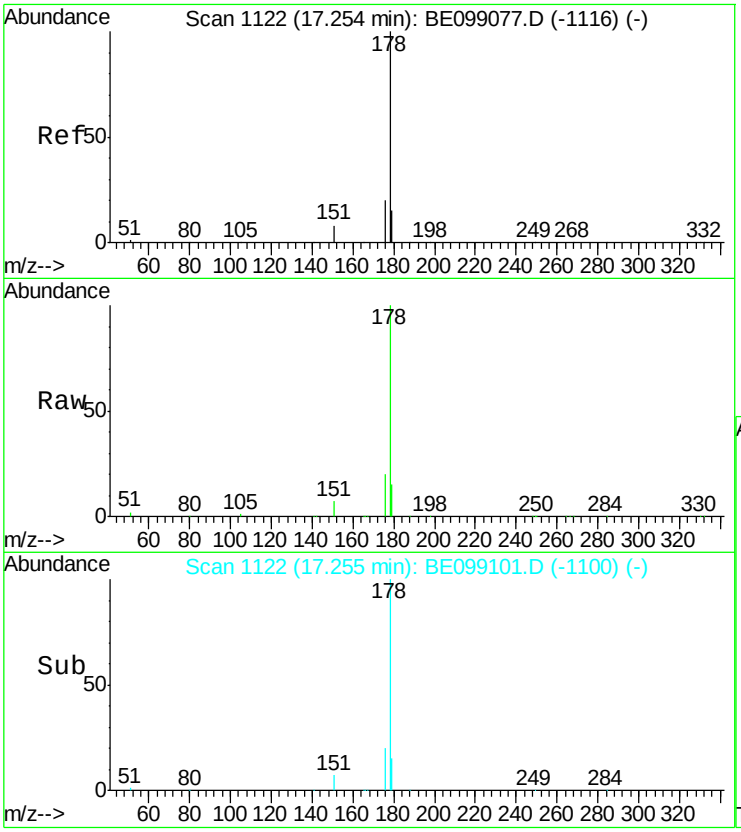


#22
Pentachlorophenol
Concen: 0.556 ng
RT: 16.87 min Scan# 1093
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:266 Resp: 2789

Ion	Ratio	Lower	Upper
266	100		
264	60.1	66.6	100.0#
268	67.6	69.8	104.8#



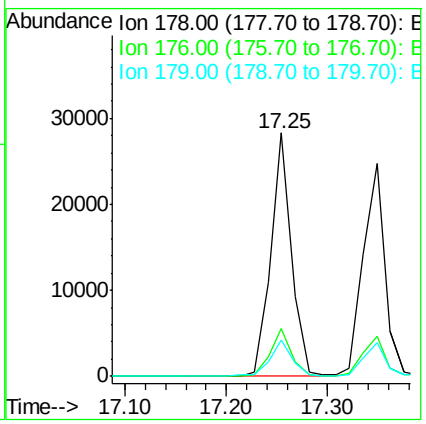


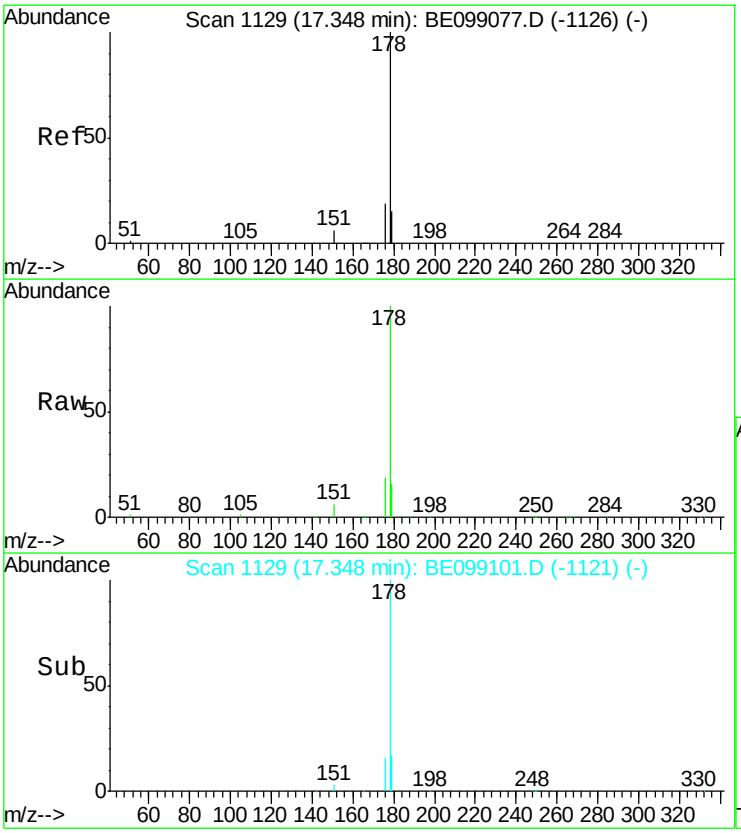
#23
Phenanthrene
Concen: 0.308 ng
RT: 17.25 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 39674

Ion	Ratio	Lower	Upper
178	100		
176	19.6	16.0	24.0
179	15.2	12.1	18.1

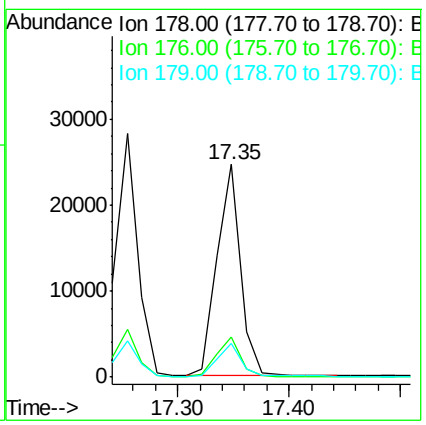


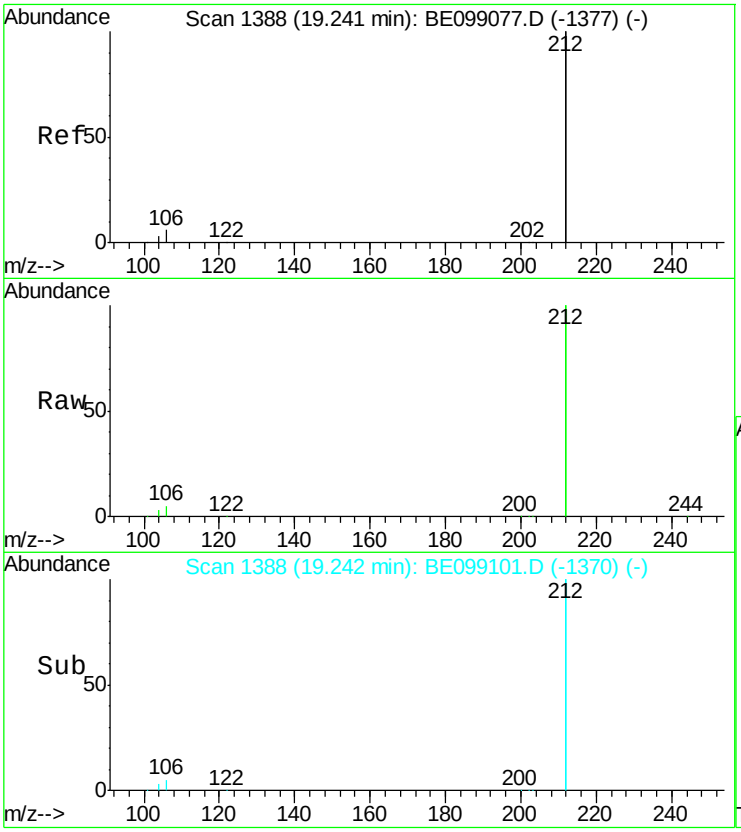


#24
Anthracene
Concen: 0.299 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:178 Resp: 36420

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.0
179	15.3	12.2	18.4



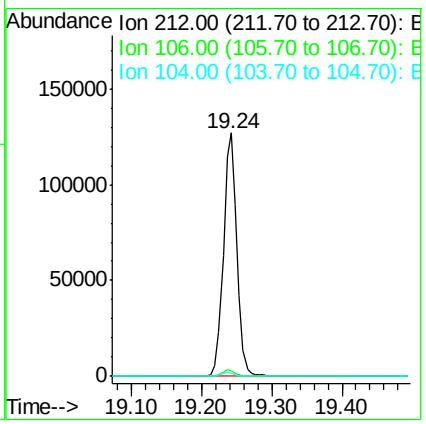


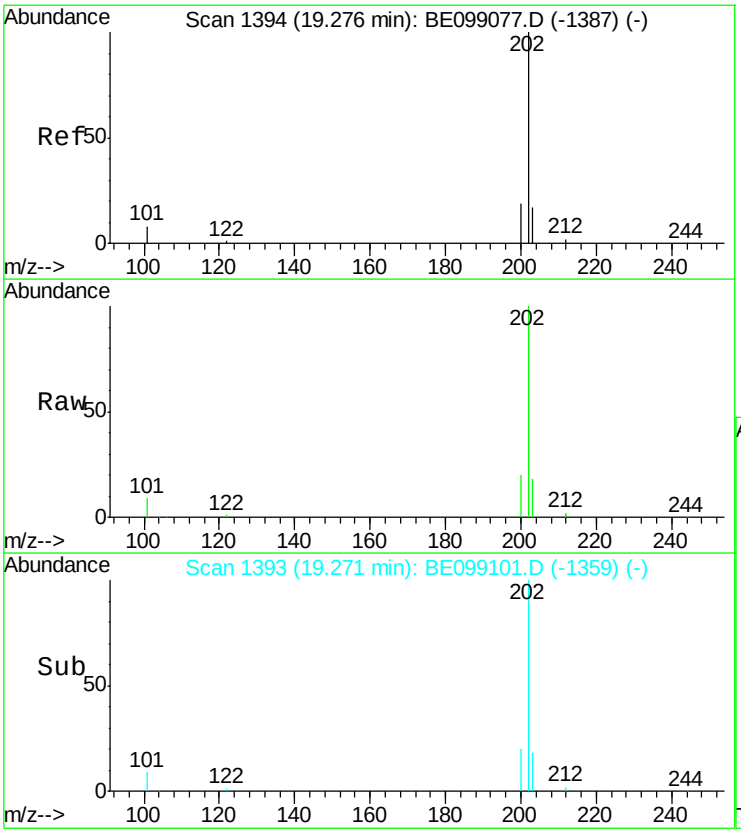
#25
Fluoranthene-d10
Concen: 0.289 ng
RT: 19.24 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 167660

Ion	Ratio	Lower	Upper
212	100		
106	2.6	1.8	2.8
104	1.5	1.0	1.6

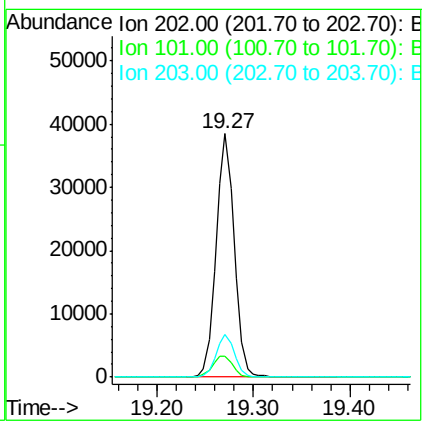


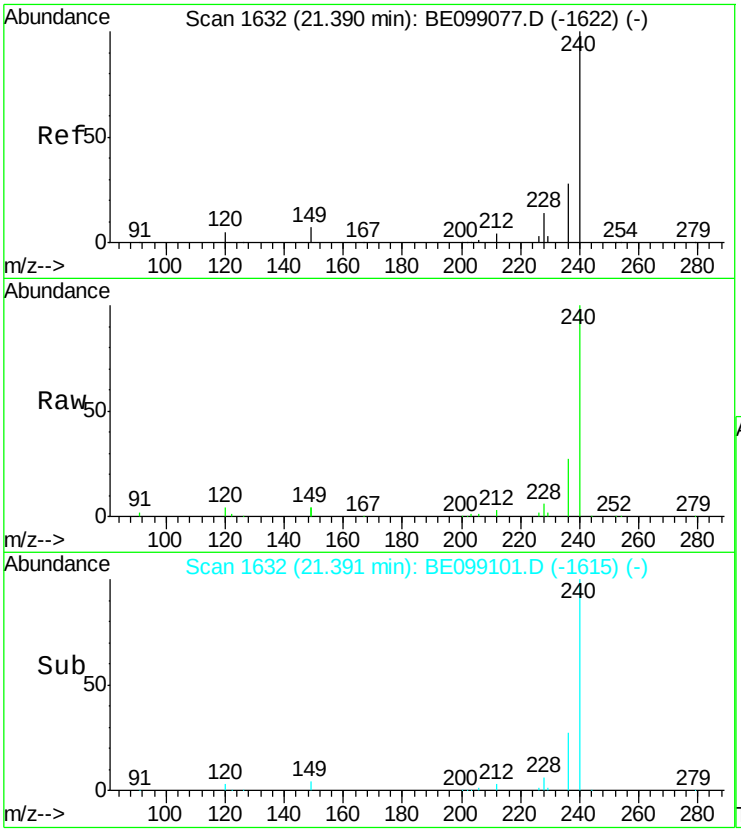


#26
Fluoranthene
Concen: 0.277 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:202 Resp: 50296

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.3	10.9
203	17.3	13.4	20.2



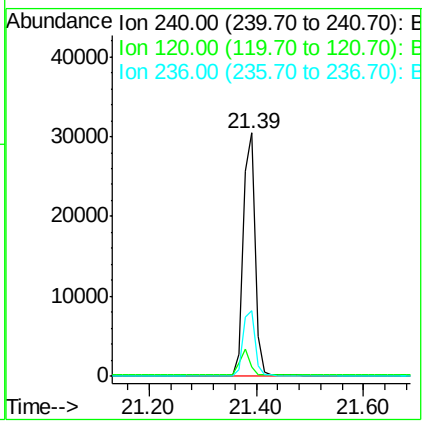


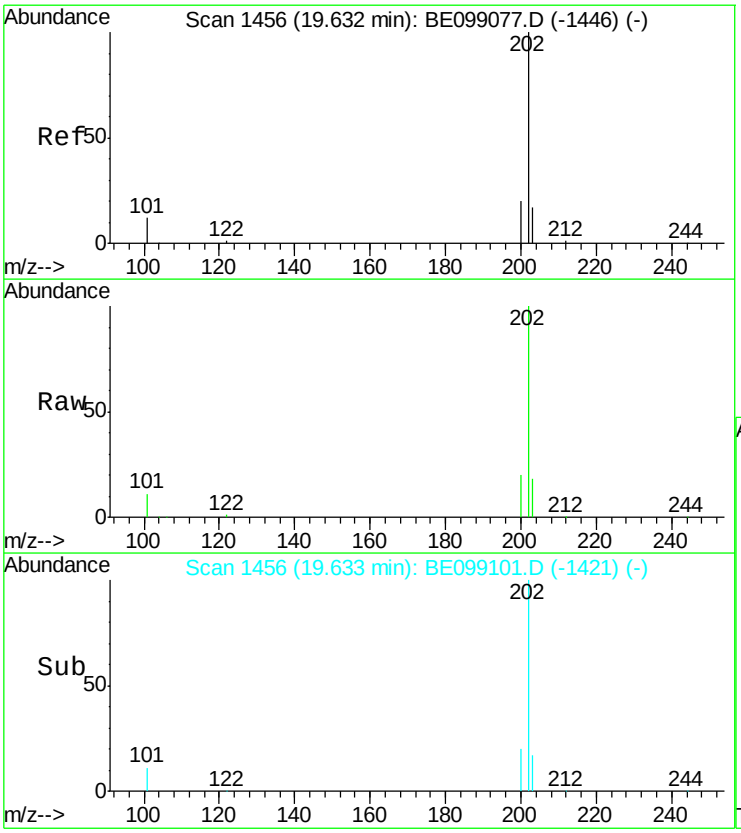
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 47238

Ion	Ratio	Lower	Upper
240	100		
120	3.8	5.0	7.4#
236	26.8	22.7	34.1

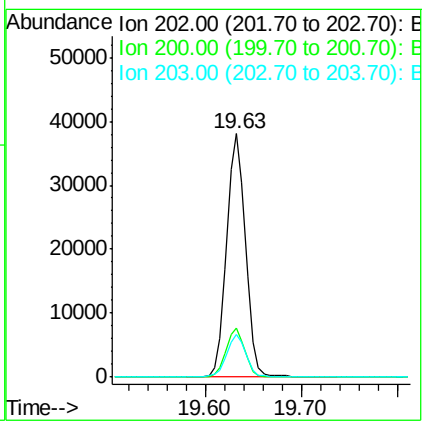


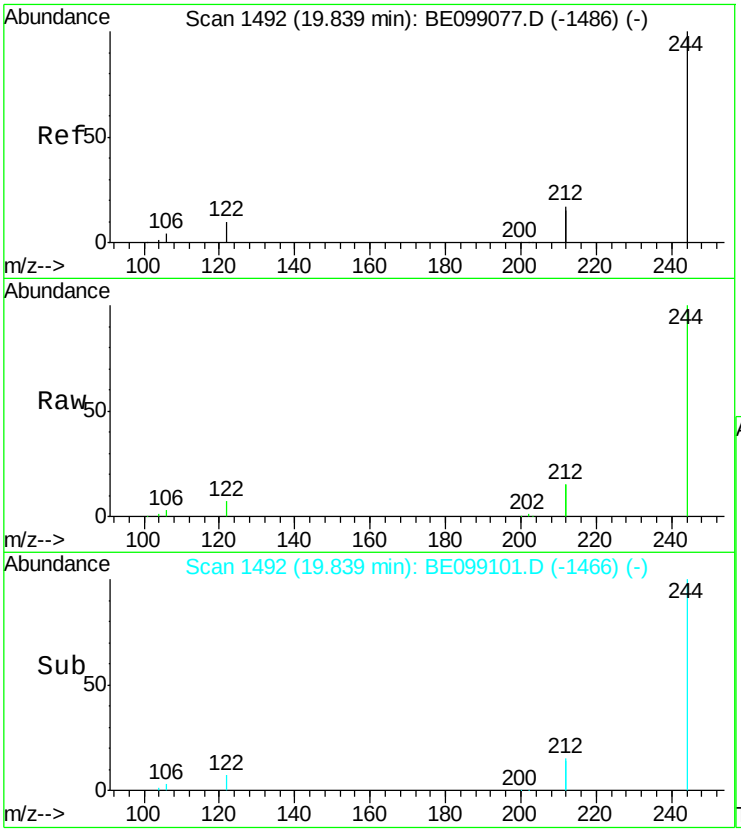


#28
Pyrene
Concen: 0.321 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:202 Resp: 51445

Ion	Ratio	Lower	Upper
202	100		
200	19.8	17.0	25.6
203	17.4	14.2	21.2



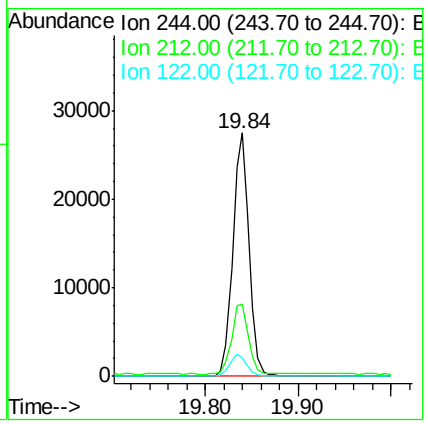


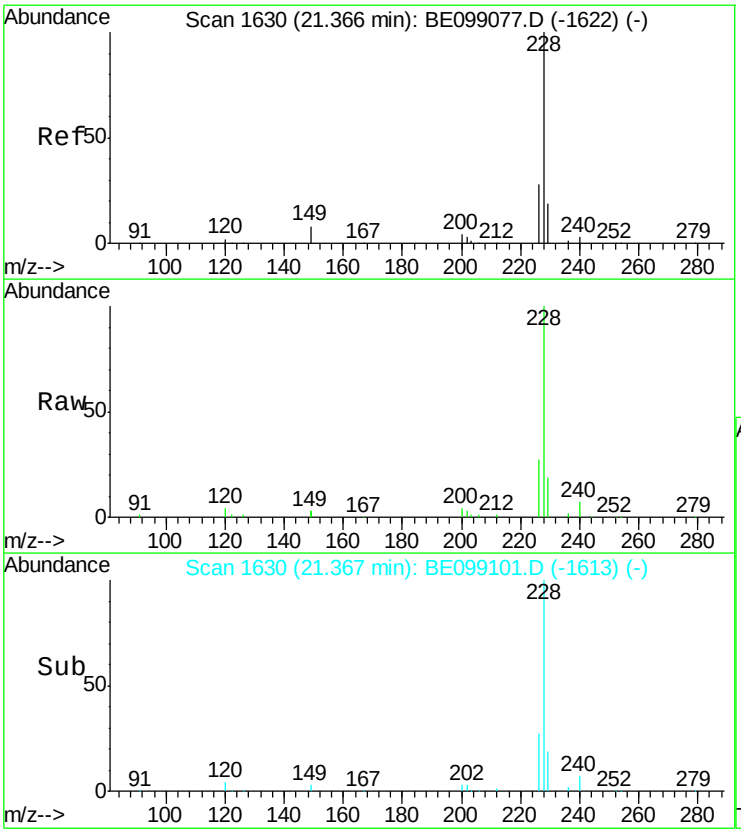
#29
Terphenyl-d14
Concen: 0.334 ng
RT: 19.84 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 33347

Ion	Ratio	Lower	Upper
244	100		
212	29.9	29.4	44.2
122	7.4	7.1	10.7

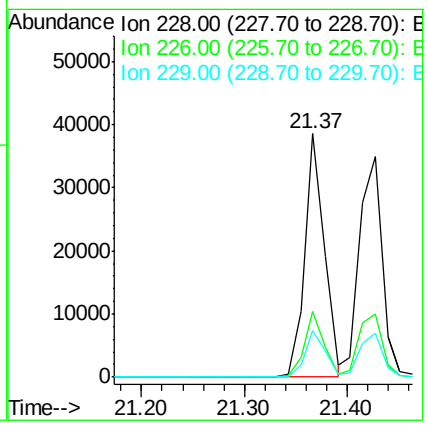


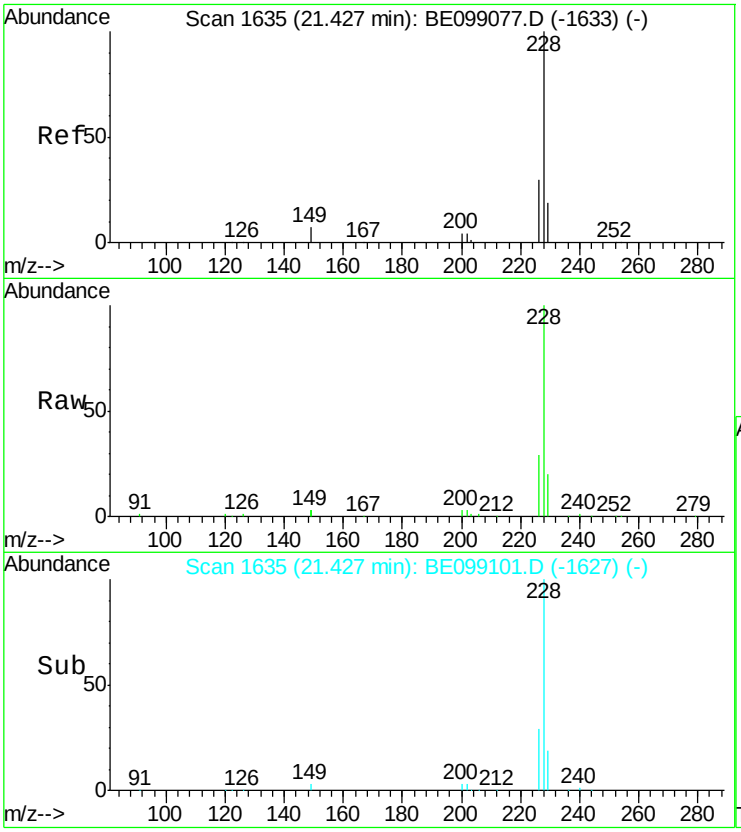


#30
Benzo(a)anthracene
Concen: 0.306 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:228 Resp: 50861

Ion	Ratio	Lower	Upper
228	100		
226	27.2	23.0	34.4
229	19.2	16.5	24.7



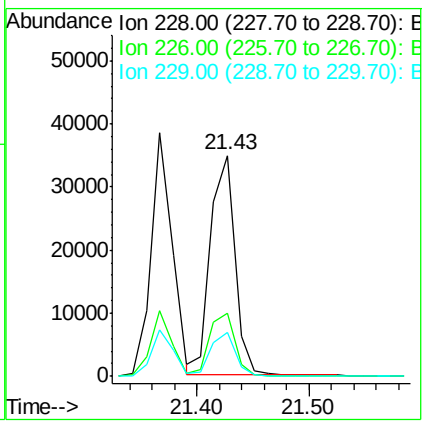


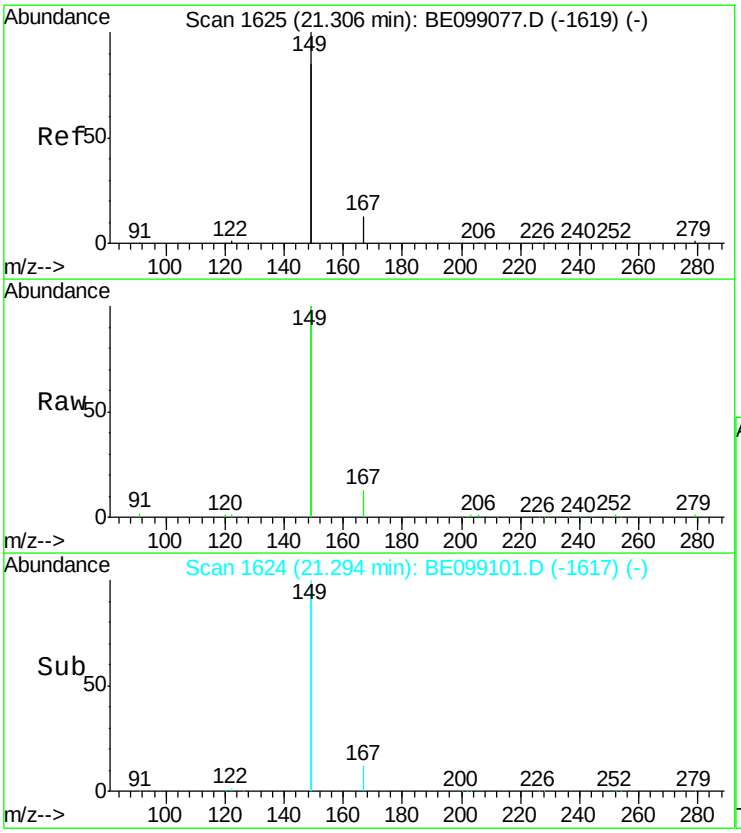
#31
Chrysene
Concen: 0.317 ng
RT: 21.43 min Scan# 1635
Delta R.T. 0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 52748

Ion	Ratio	Lower	Upper
228	100		
226	28.8	23.7	35.5
229	19.6	16.1	24.1

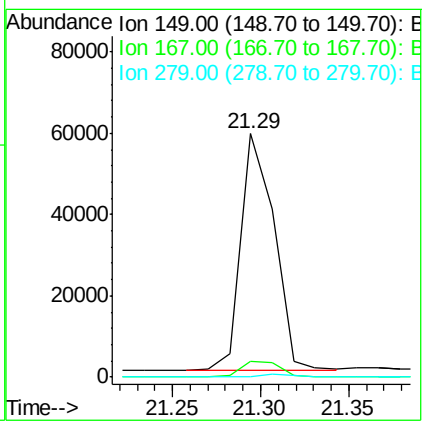


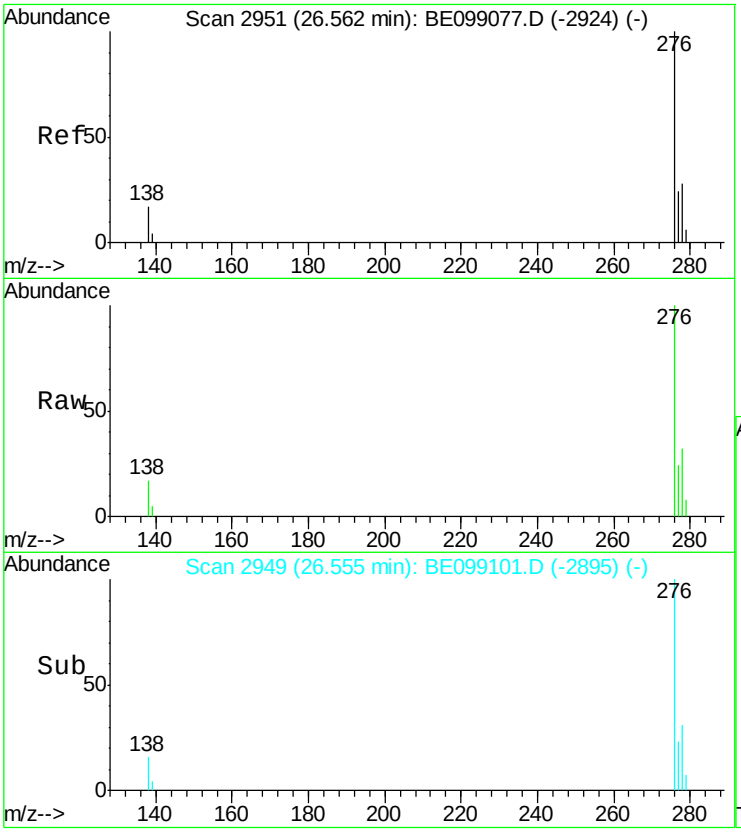


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.354 ng
RT: 21.29 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:149 Resp: 76489

Ion	Ratio	Lower	Upper
149	100		
167	7.3	5.4	8.0
279	1.0	1.0	1.4



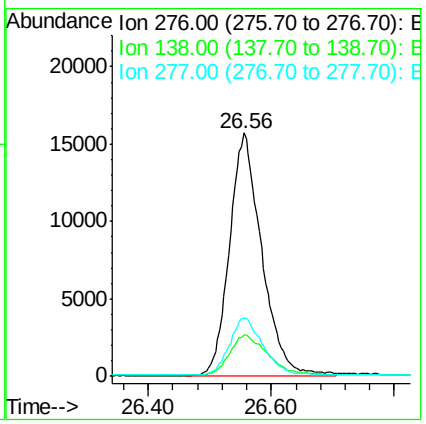


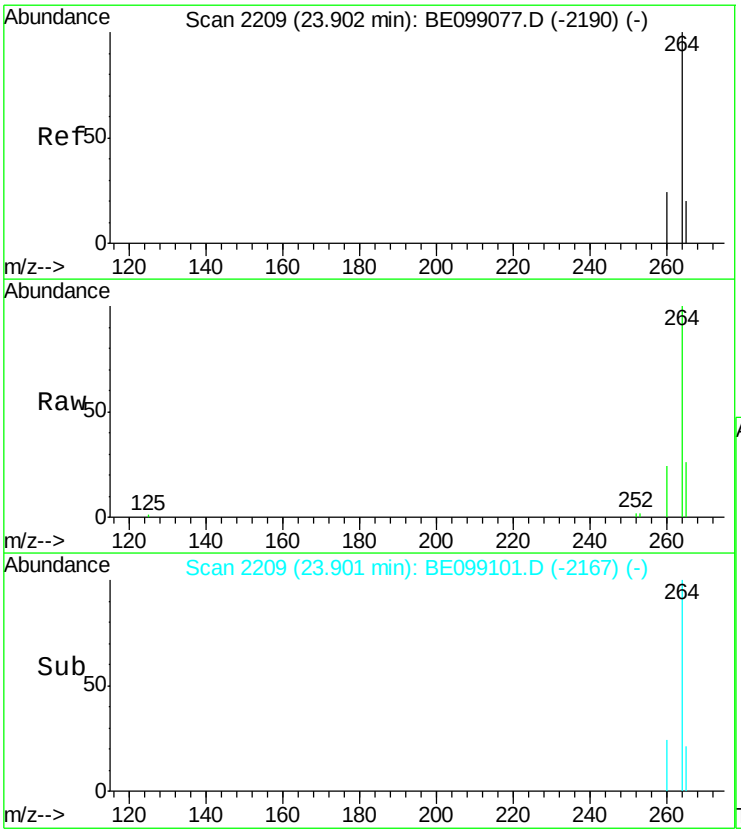
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.317 ng
RT: 26.56 min Scan# 2949
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 56624

Ion	Ratio	Lower	Upper
276	100		
138	19.0	13.8	20.8
277	24.7	19.5	29.3

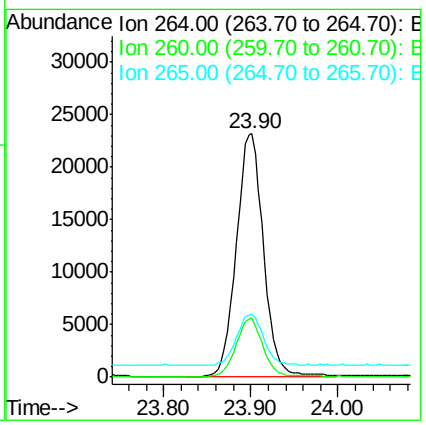


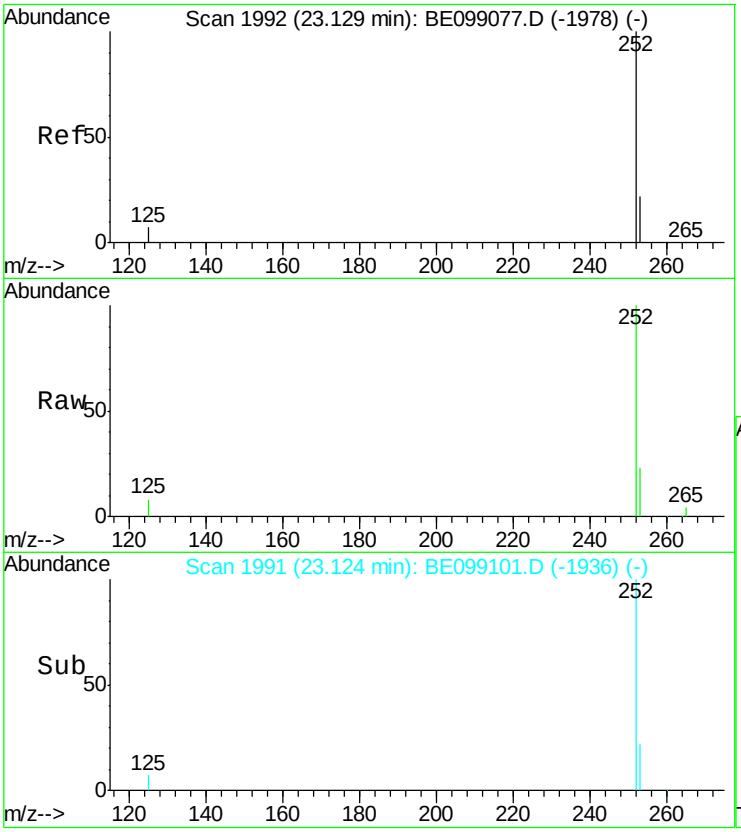


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.90 min Scan# 2209
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:264 Resp: 49535

Ion	Ratio	Lower	Upper
264	100		
260	24.1	21.2	31.8
265	26.2	24.6	36.8



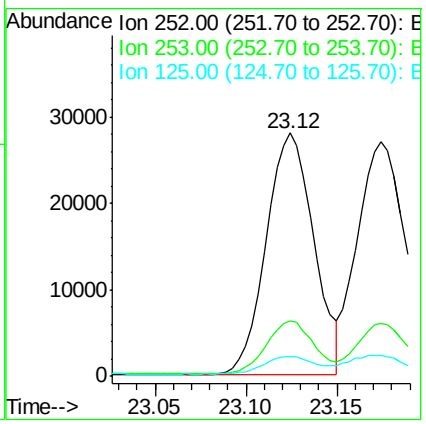


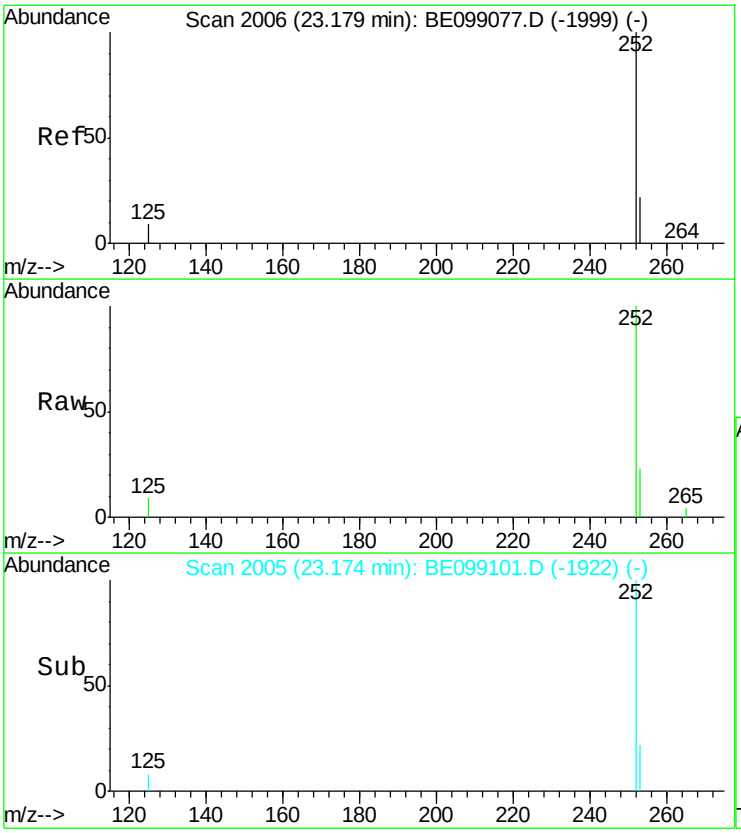
#35
Benzo(b)fluoranthene
Concen: 0.296 ng
RT: 23.12 min Scan# 1991
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 50730

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	8.1	7.3	10.9

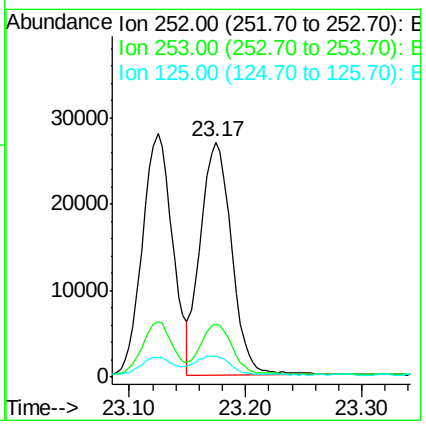


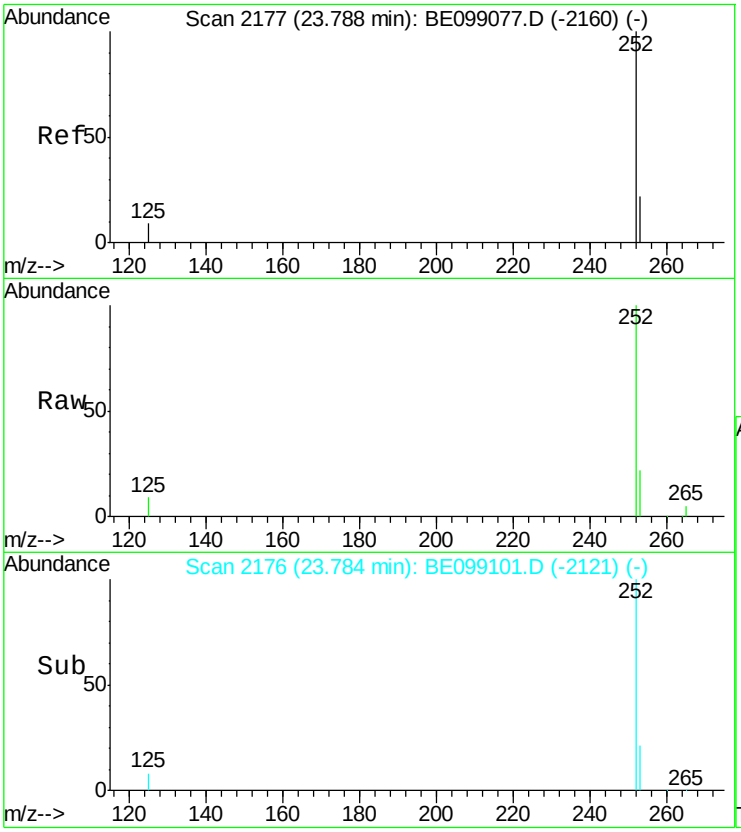


#36
Benzo(k)fluoranthene
Concen: 0.300 ng
RT: 23.17 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:252 Resp: 50366

Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.3	28.9
125	9.0	7.5	11.3



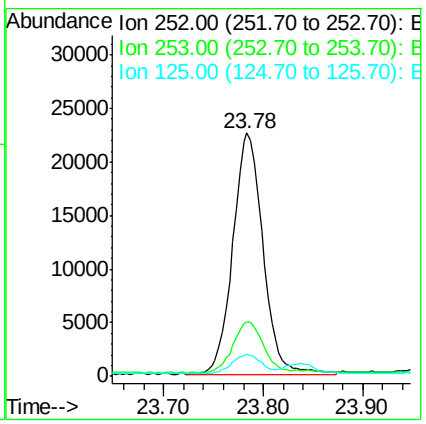


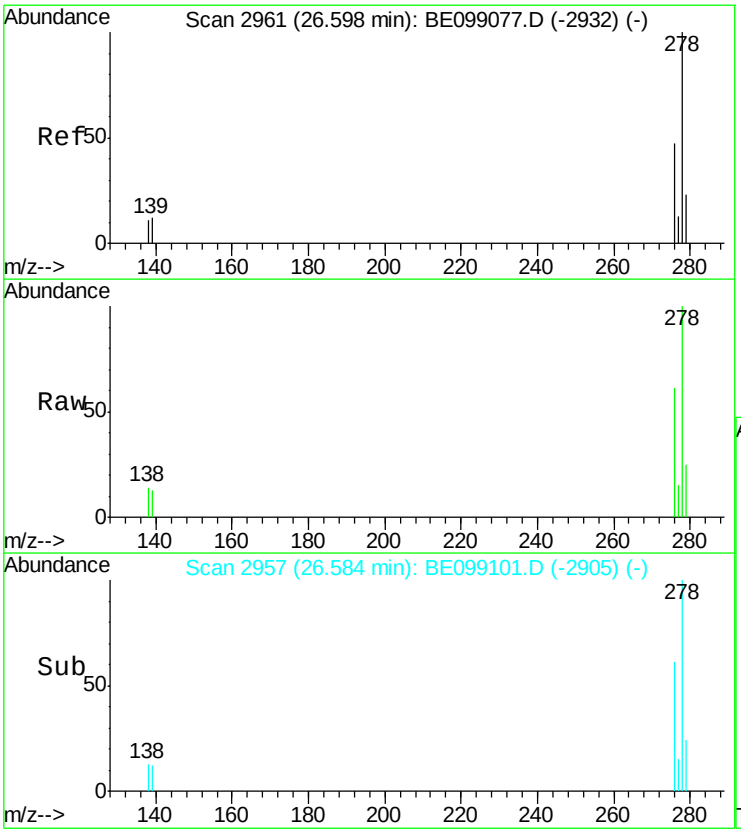
#37
Benzo(a)pyrene
Concen: 0.298 ng
RT: 23.78 min Scan# 2176
Delta R.T. -0.00 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 47204

Ion	Ratio	Lower	Upper
252	100		
253	22.1	19.9	29.9
125	8.9	9.0	13.4#

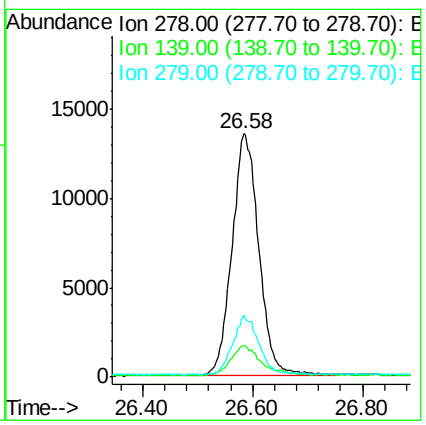


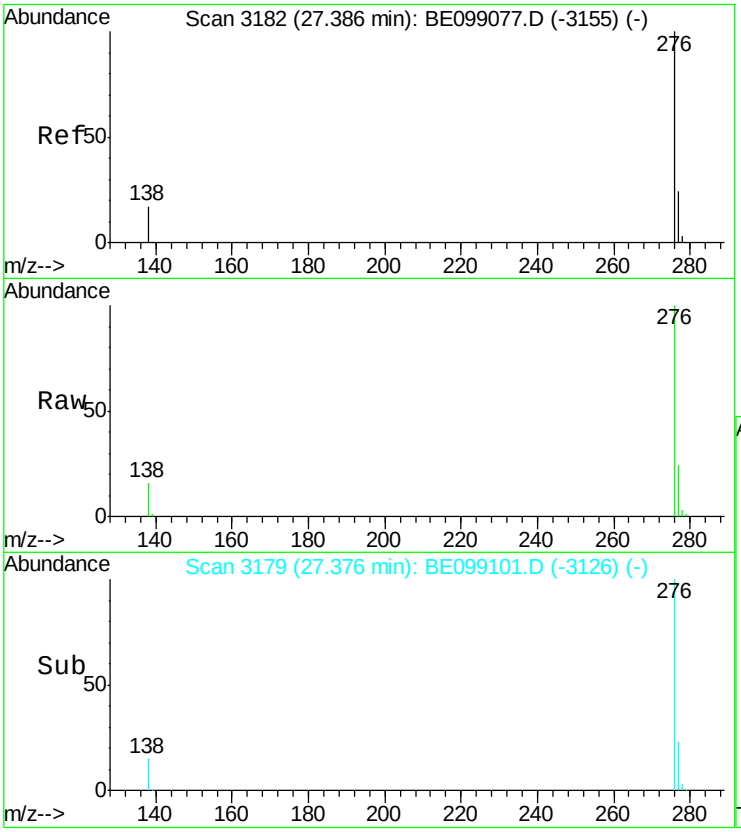


#38
Dibenzo(a,h)anthracene
Concen: 0.301 ng
RT: 26.58 min Scan# 2957
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Tgt Ion:278 Resp: 46366

Ion	Ratio	Lower	Upper
278	100		
139	12.8	11.8	17.6
279	25.2	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 0.297 ng
RT: 27.38 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BE099101.D
Acq: 23 Mar 2019 4:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 47062

Ion	Ratio	Lower	Upper
276	100		
277	23.7	20.4	30.6
138	16.0	13.6	20.4