Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040519\
Data File : BE099307.D
Acq On : 5 Apr 2019 14:04
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Apr 05 15:01:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 05 14:55:44 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3821	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	13839	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	9407	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	27641	0.40	ng		0.00
27) Chrysene-d12	21.35	240	39464	0.40	ng		-0.01
34) Perylene-d12	23.86	264	40968	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	4008	0.39	ng		0.00
5) Phenol-d6	6.97	99	5441	0.39	ng		0.00
8) Nitrobenzene-d5	8.96	82	4356	0.46	ng		0.00
11) 2-Methylnaphthalene-d10	12.20	152	10074	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1694	0.39	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	16073	0.43	ng		0.00
25) Fluoranthene-d10	19.22	212	150086	0.41	ng		0.00
29) Terphenyl-d14	19.82	244	31855	0.44	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	2108	0.405	ng		93
3) n-Nitrosodimethylamine	3.65	42	1176	0.383	ng	#	85
6) bis(2-Chloroethyl)ether	7.24	93	4939	0.395	ng		99
9) Naphthalene	10.65	128	64472	0.428	ng		99
10) Hexachlorobutadiene	10.94	225	4296	0.439	ng		100
12) 2-Methylnaphthalene	12.27	142	10976	0.429	ng		94
16) Acenaphthylene	14.18	152	17960	0.403	ng		99
17) Acenaphthene	14.51	154	10725	0.408	ng		98
18) Fluorene	15.49	166	15639	0.412	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	6709	0.428	ng		94
21) Hexachlorobenzene	16.49	284	6468	0.433	ng		99
22) Pentachlorophenol	16.84	266	2932	0.473	ng		96
23) Phenanthrene	17.23	178	30983	0.433	ng		100
24) Anthracene	17.32	178	26841	0.398	ng		99
26) Fluoranthene	19.25	202	44349	0.420	ng		100
28) Pyrene	19.61	202	45054	0.432	ng		100
30) Benzo(a)anthracene	21.34	228	48726	0.392	ng		99
31) Chrysene	21.40	228	52881	0.434	ng		99
32) Bis(2-ethylhexyl)phthalate	21.27	149	46277	0.292	ng		99
33) Indeno(1,2,3-cd)pyrene	26.49	276	58595	0.421	ng		99
35) Benzo(b)fluoranthene	23.09	252	51859	0.424	ng		99
36) Benzo(k)fluoranthene	23.14	252	51778	0.435	ng		99
37) Benzo(a)pyrene	23.74	252	46695	0.406	ng		100
38) Dibenzo(a,h)anthracene	26.52	278	48730	0.426	ng		100
39) Benzo(g,h,i)perylene	27.31	276	47679	0.419	ng		99

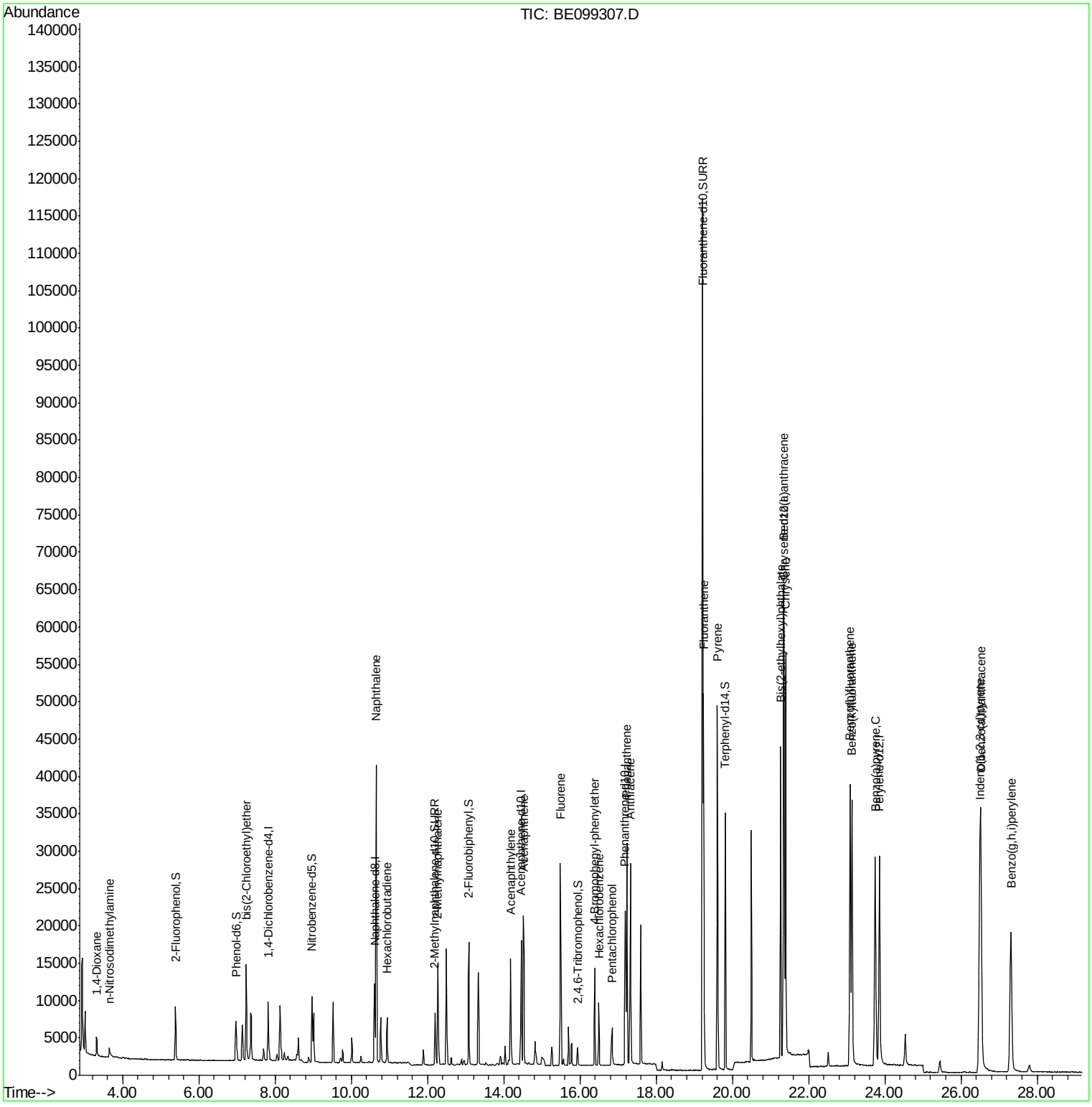
(#) = qualifier out of range (m) = manual integration (+) = signals summed

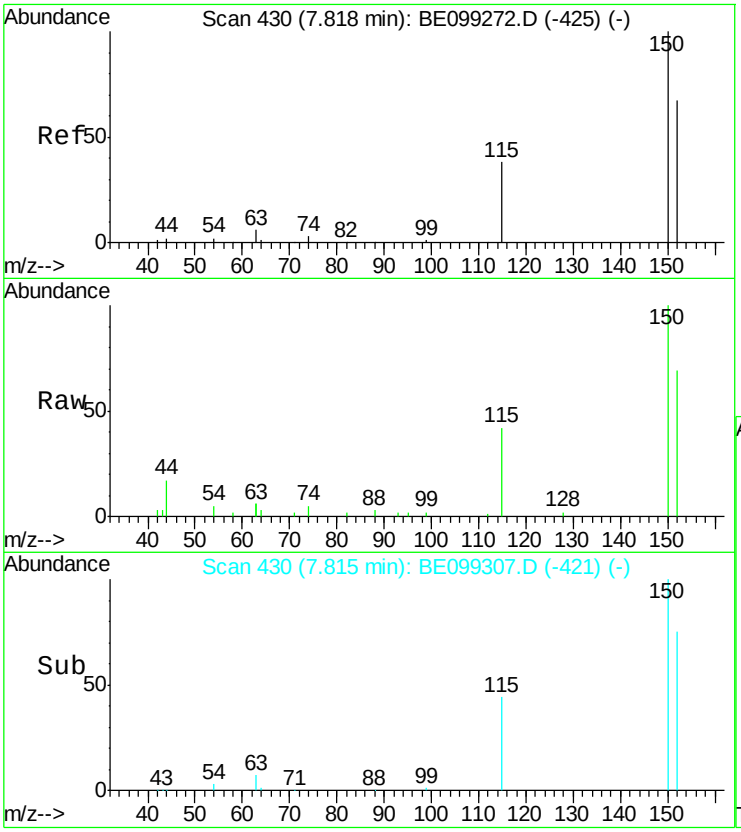
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040519\
Data File : BE099307.D
Acq On : 5 Apr 2019 14:04
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Apr 05 15:01:53 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 05 14:55:44 2019
Response via : Initial Calibration



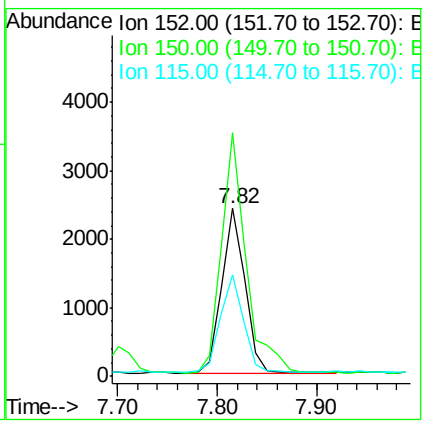


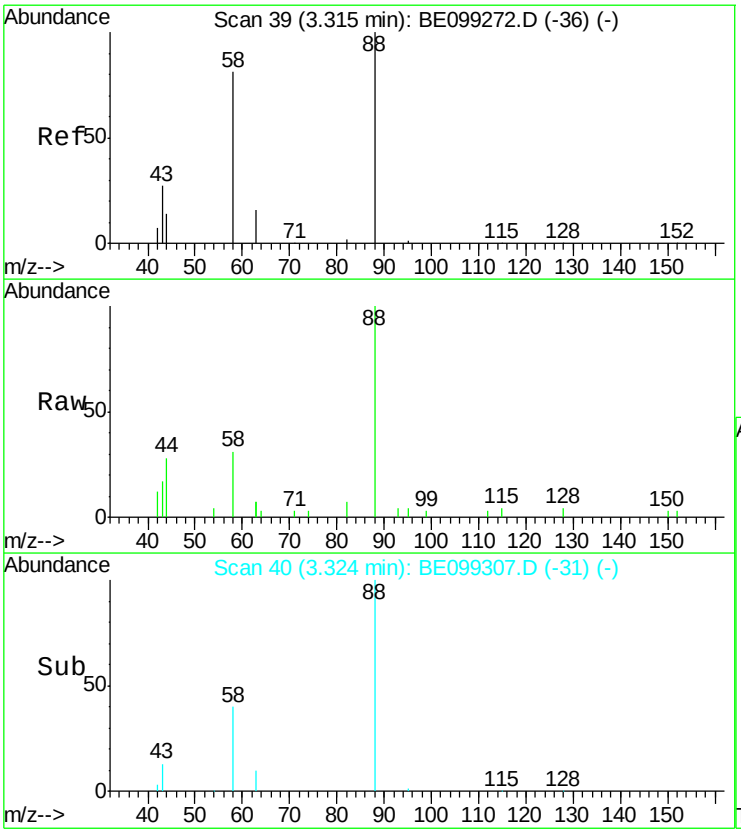
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3821

Ion	Ratio	Lower	Upper
152	100		
150	144.9	120.2	180.2
115	60.5	50.2	75.2

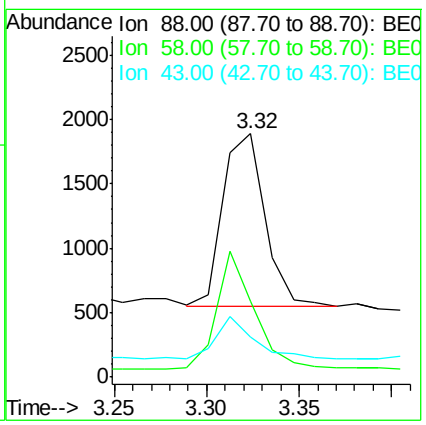


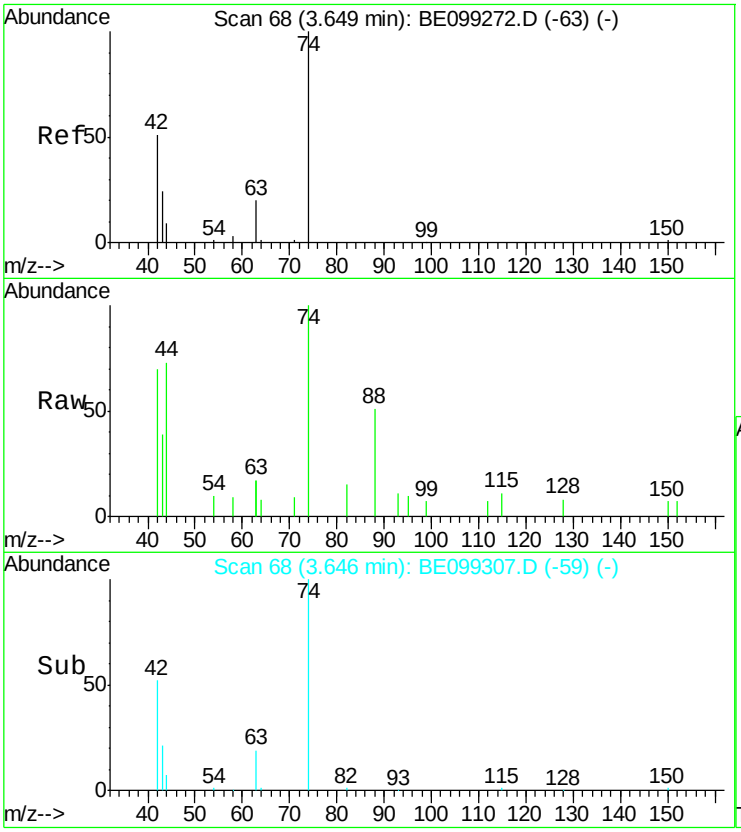


#2
1,4-Dioxane
Concen: 0.405 ng
RT: 3.32 min Scan# 40
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion: 88 Resp: 2108

Ion	Ratio	Lower	Upper
88	100		
58	61.6	43.8	65.8
43	23.6	18.6	28.0



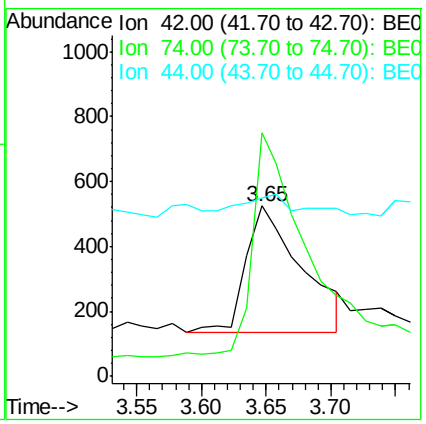


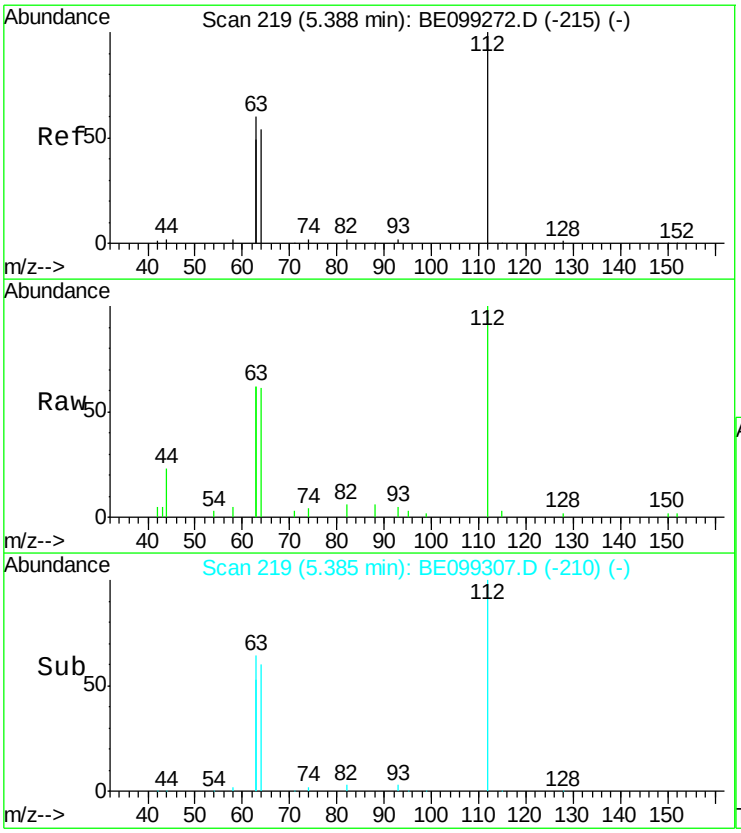
#3
n-Nitrosodimethylamine
Concen: 0.383 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 1176

Ion	Ratio	Lower	Upper
42	100		
74	157.9	142.6	214.0
44	11.1	4.1	6.1#

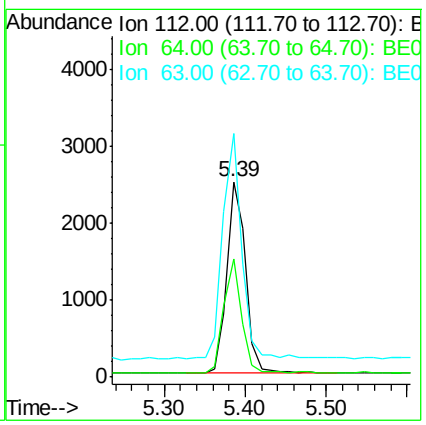


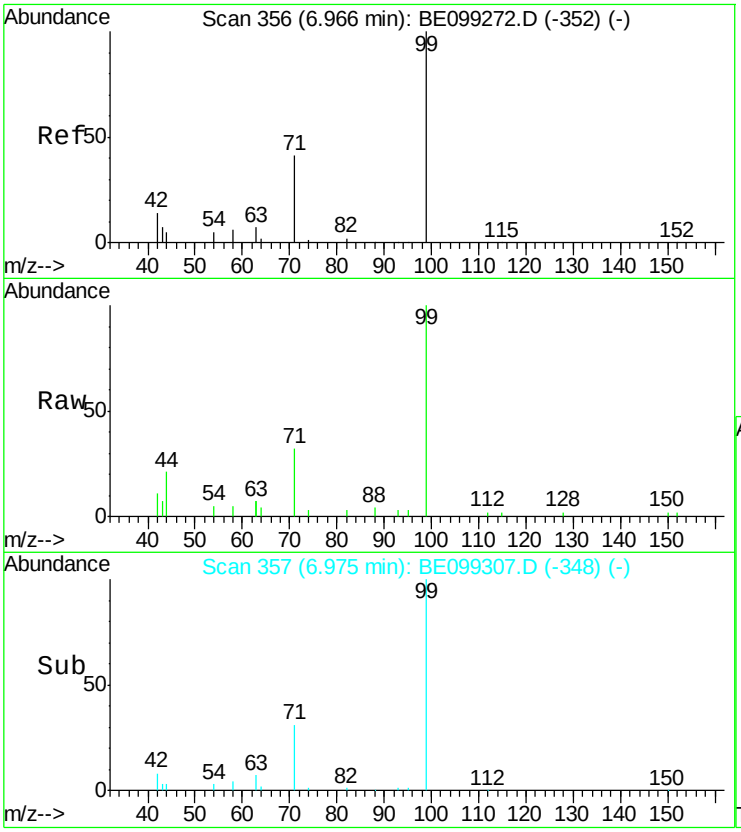


#4
2-Fluorophenol
Concen: 0.395 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:112 Resp: 4008

Ion	Ratio	Lower	Upper
112	100		
64	55.9	44.8	67.2
63	120.3	94.8	142.2



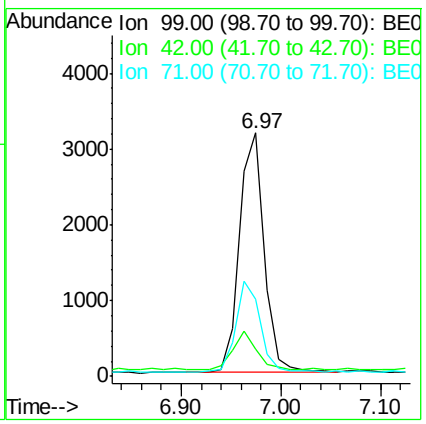


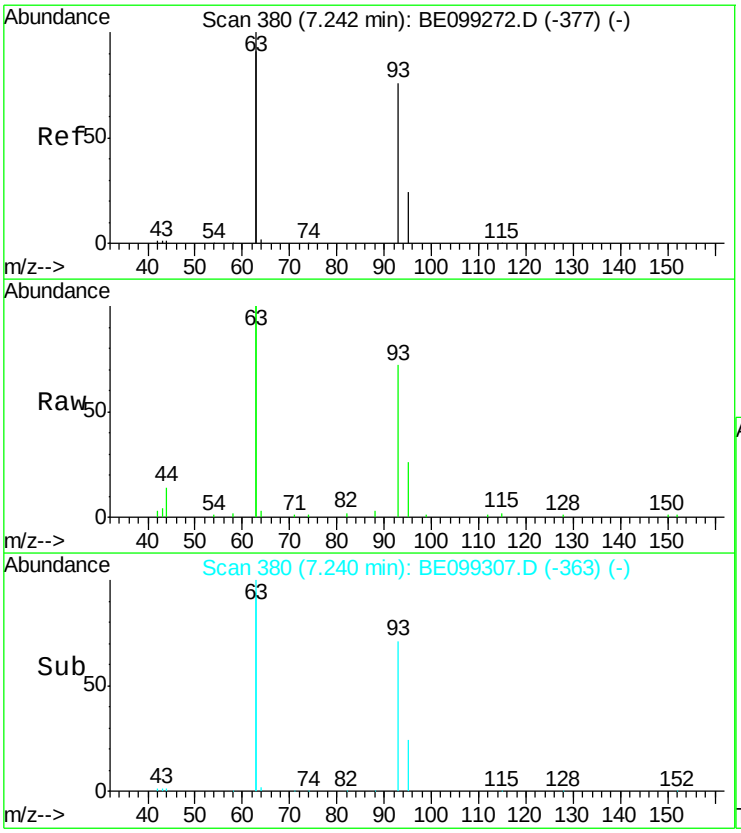
#5
Phenol-d6
Concen: 0.390 ng
RT: 6.97 min Scan# 357
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 5441

Ion	Ratio	Lower	Upper
99	100		
42	16.4	12.4	18.6
71	38.7	30.0	45.0

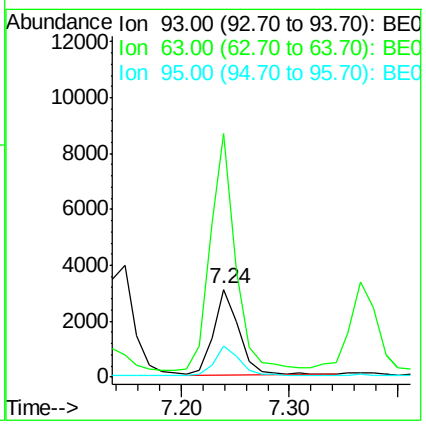


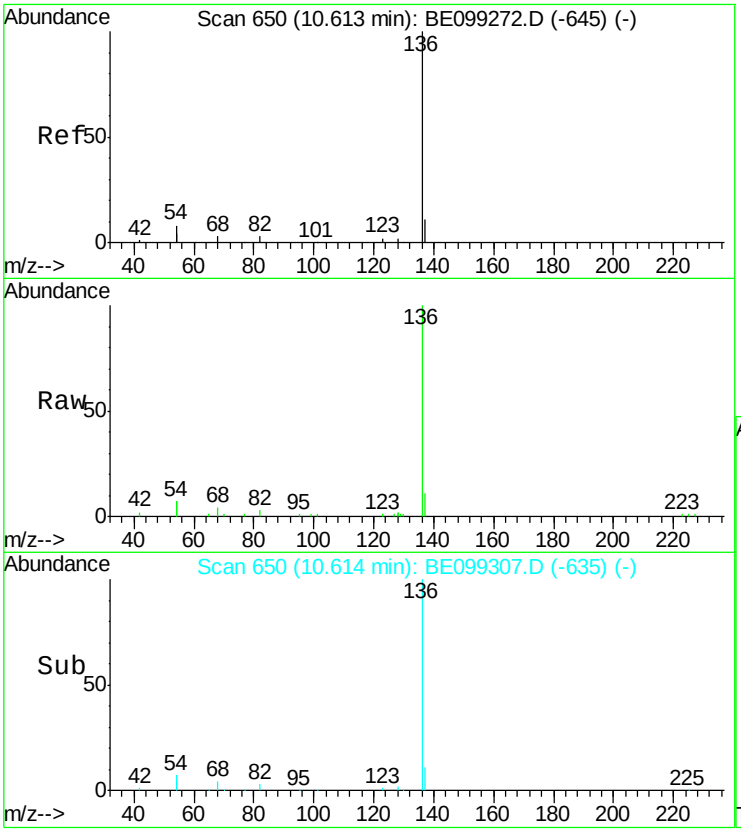


#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion: 93 Resp: 4939

Ion	Ratio	Lower	Upper
93	100		
63	277.5	222.6	334.0
95	33.7	26.0	39.0



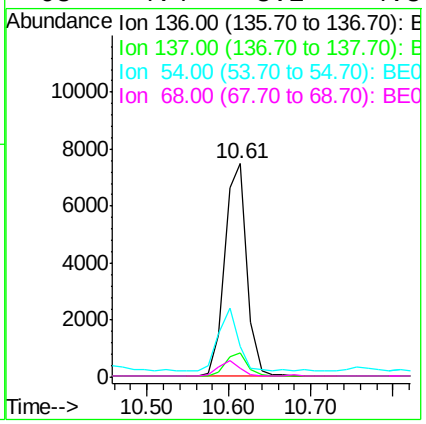


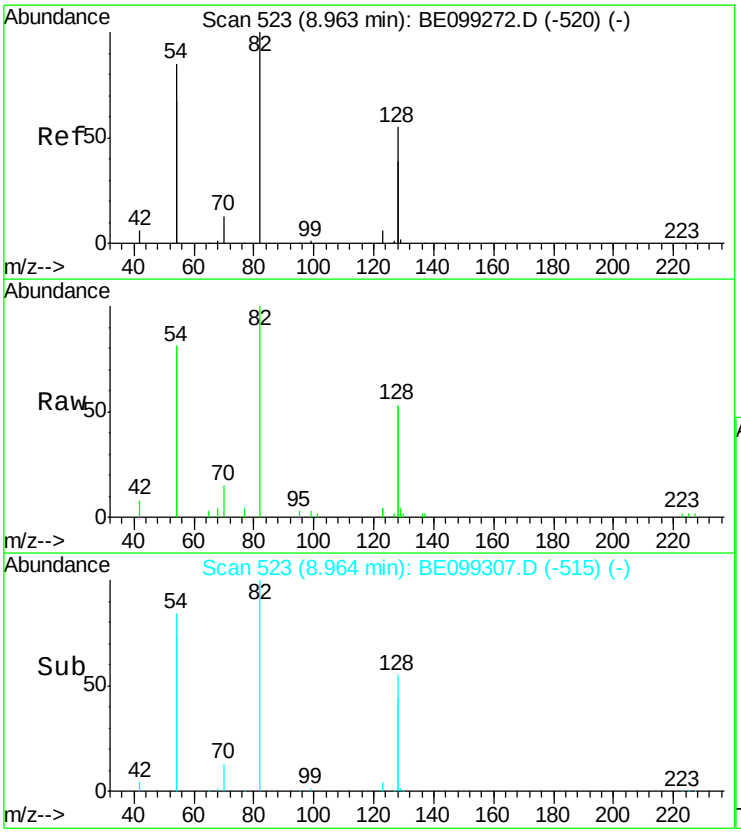
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 13839

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.3	12.5
54	14.4	10.8	16.2
68	4.4	3.2	4.8

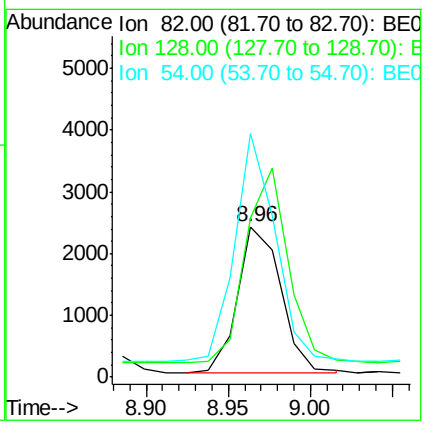


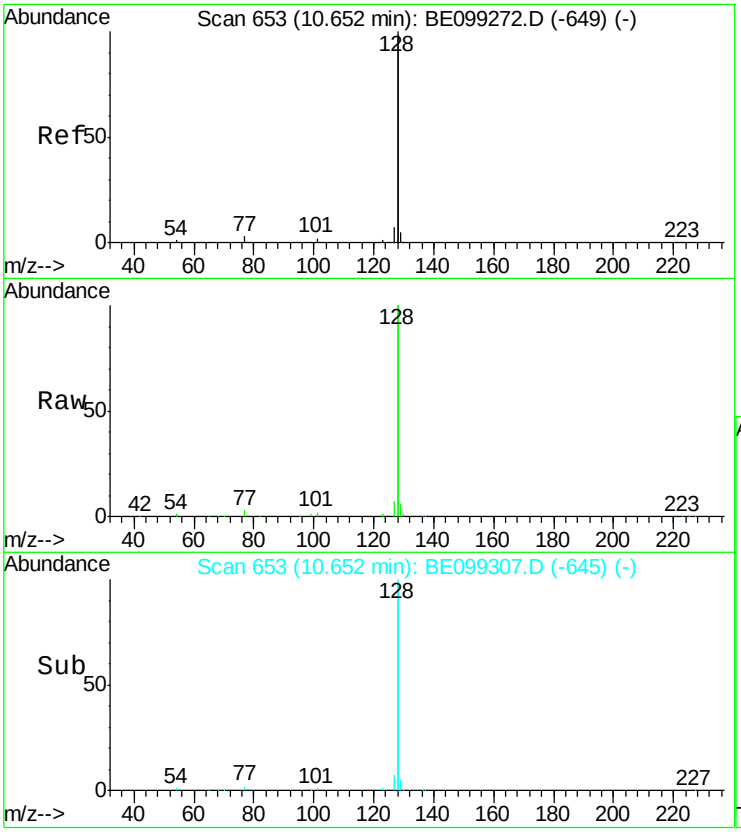


#8
Nitrobenzene-d5
Concen: 0.458 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion: 82 Resp: 4356

Ion	Ratio	Lower	Upper
82	100		
128	105.7	90.1	135.1
54	161.7	123.6	185.4



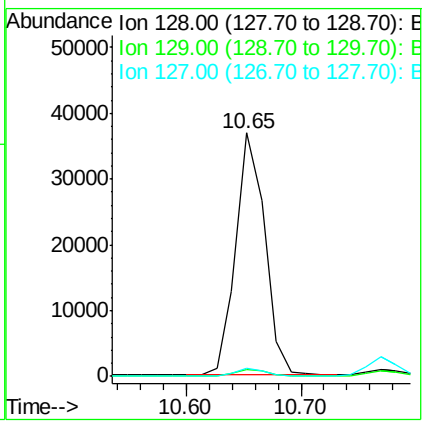


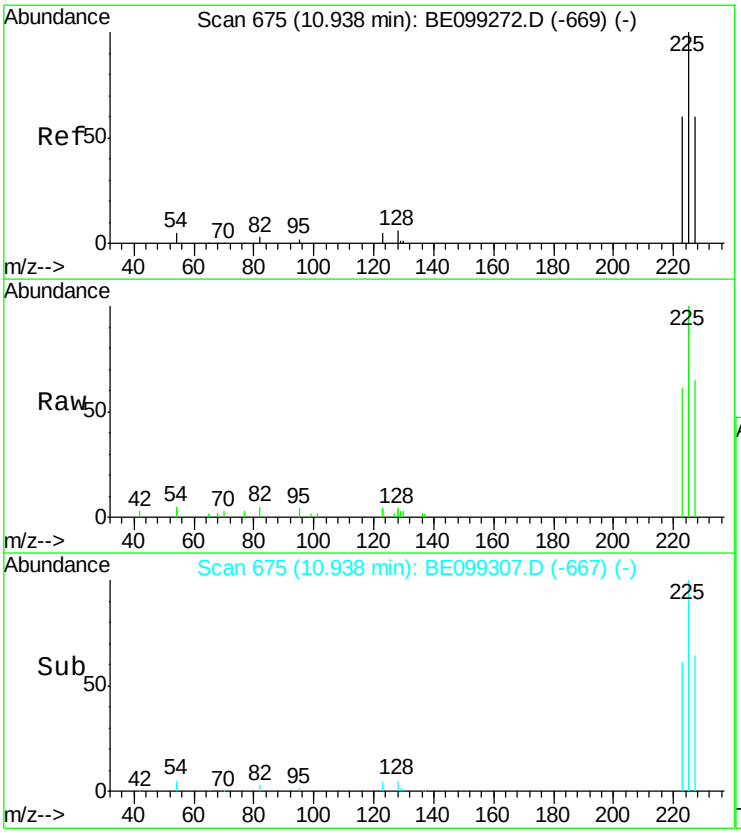
#9
Naphthalene
Concen: 0.428 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 64472

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.4	2.9	4.3

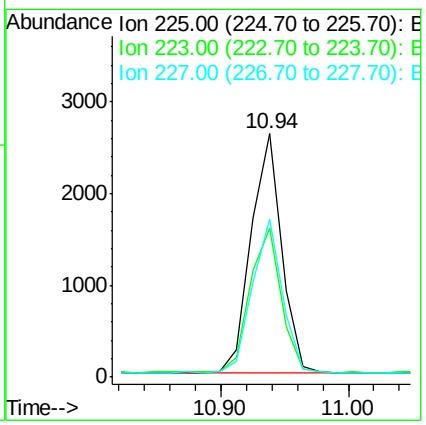


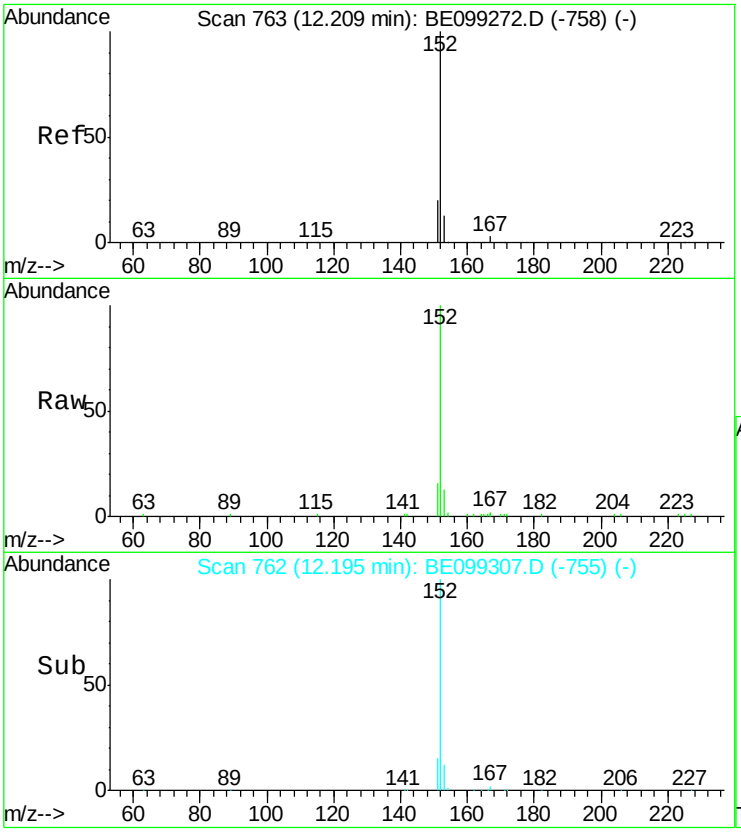


#10
Hexachlorobutadiene
Concen: 0.439 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:225 Resp: 4296

Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.7	74.5
227	63.8	50.9	76.3



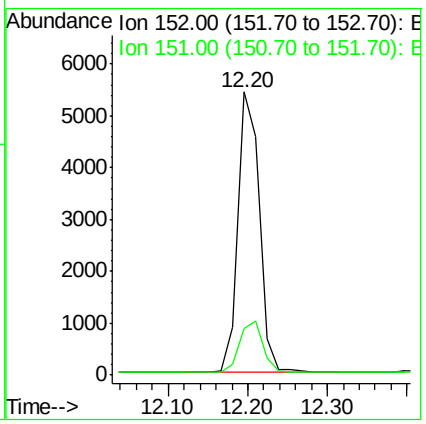


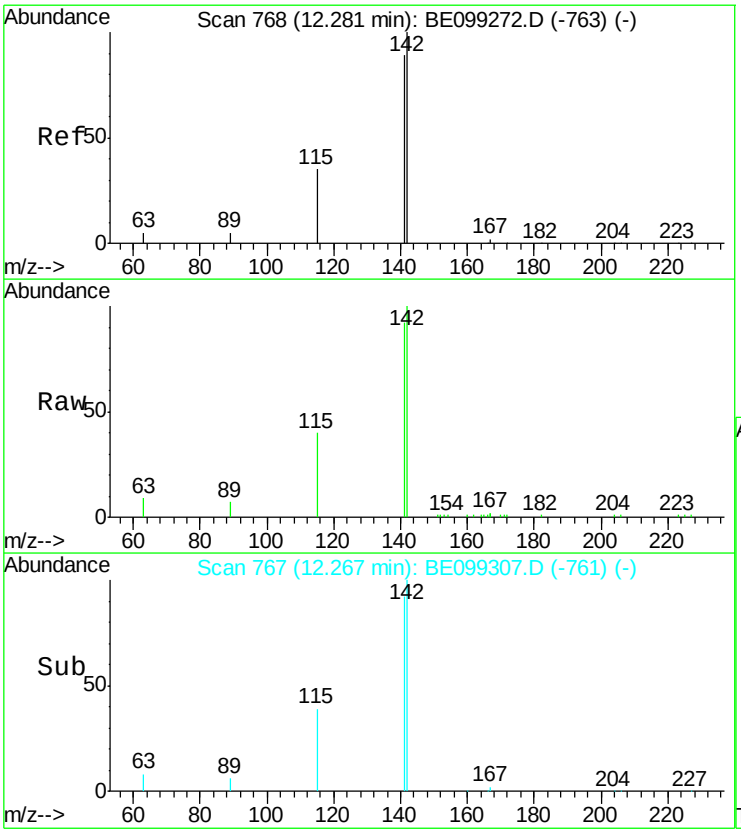
#11
2-Methylnaphthalene-d10
Concen: 0.417 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 10074

Ion	Ratio	Lower	Upper
152	100		
151	20.3	15.1	22.7

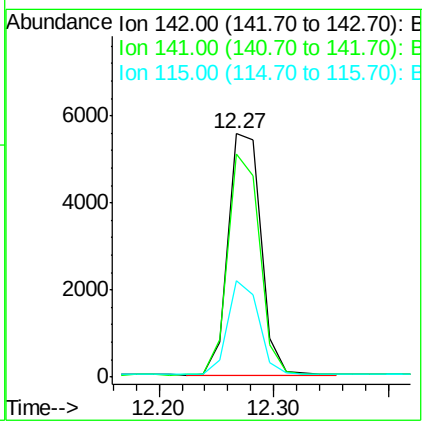


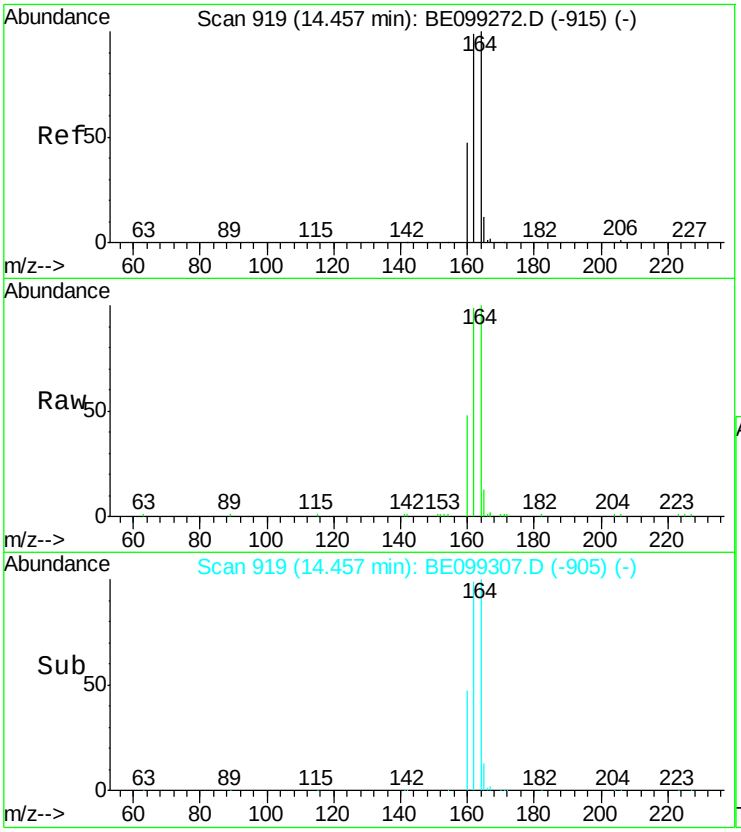


#12
2-Methylnaphthalene
Concen: 0.429 ng
RT: 12.27 min Scan# 767
Delta R.T. -0.01 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:142 Resp: 10976

Ion	Ratio	Lower	Upper
142	100		
141	91.7	69.3	103.9
115	39.7	29.1	43.7



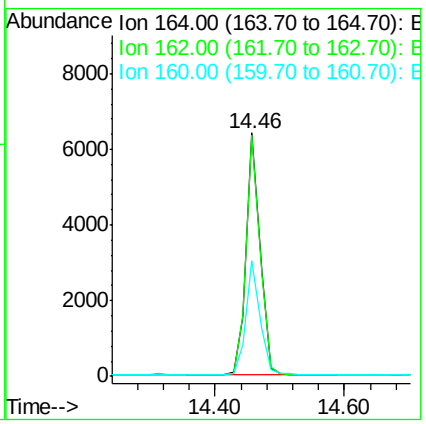


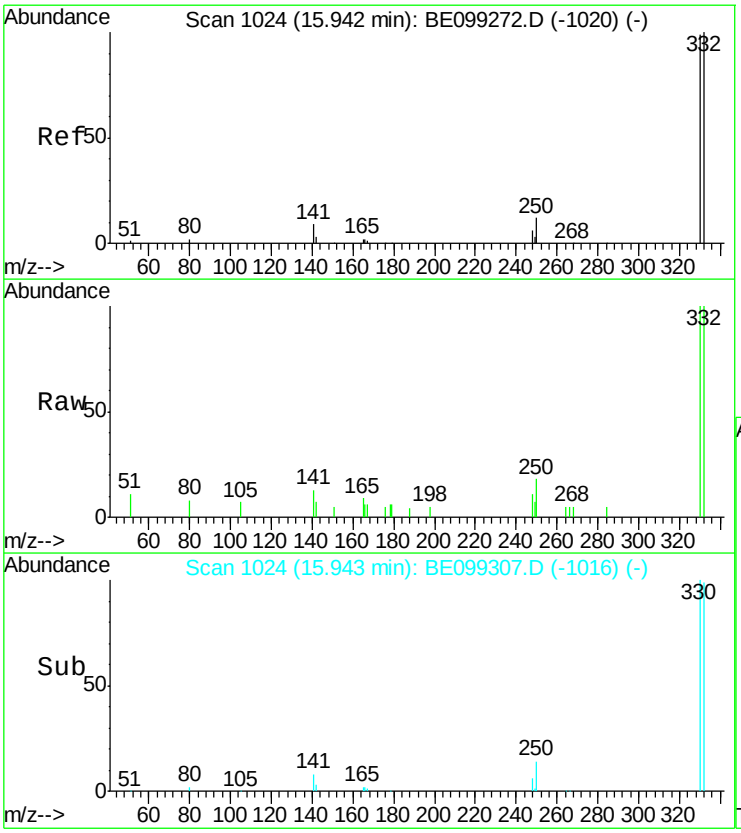
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 9407

Ion	Ratio	Lower	Upper
164	100		
162	98.9	78.7	118.1
160	47.5	37.8	56.8

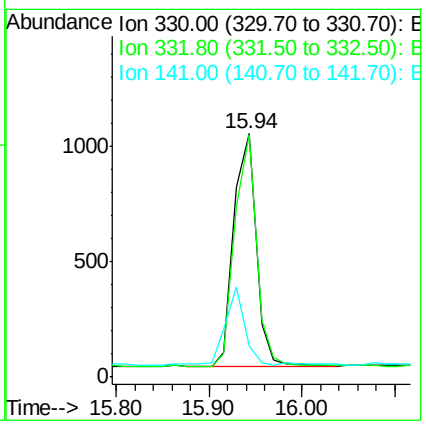


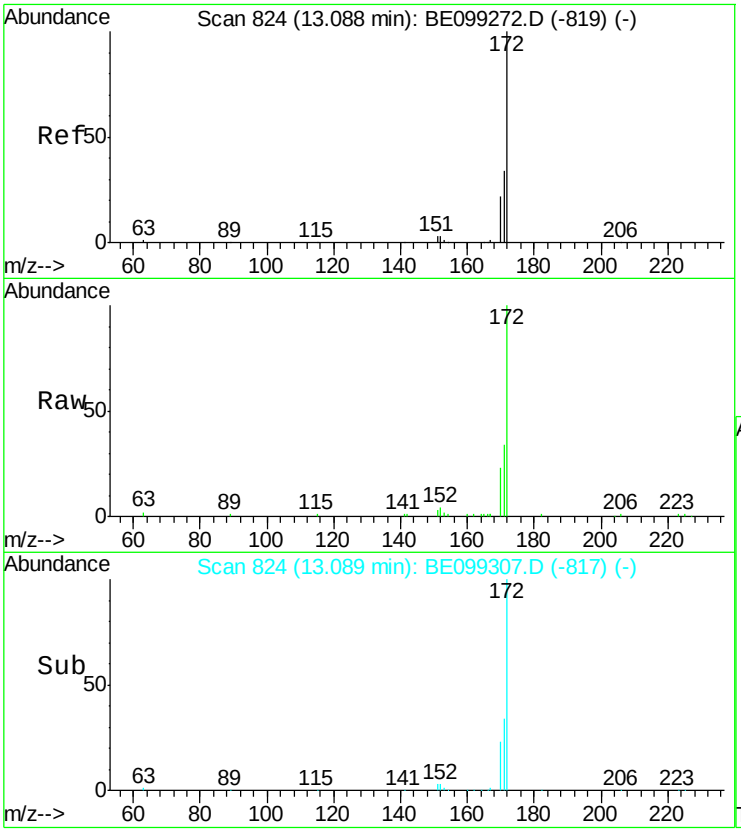


#14
2,4,6-Tribromophenol
Concen: 0.391 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:330 Resp: 1694

Ion	Ratio	Lower	Upper
330	100		
332	98.6	82.0	123.0
141	27.9	25.4	38.2



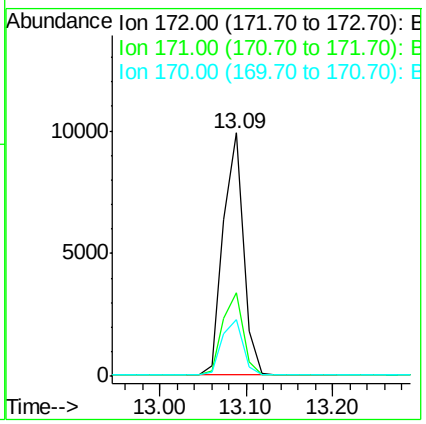


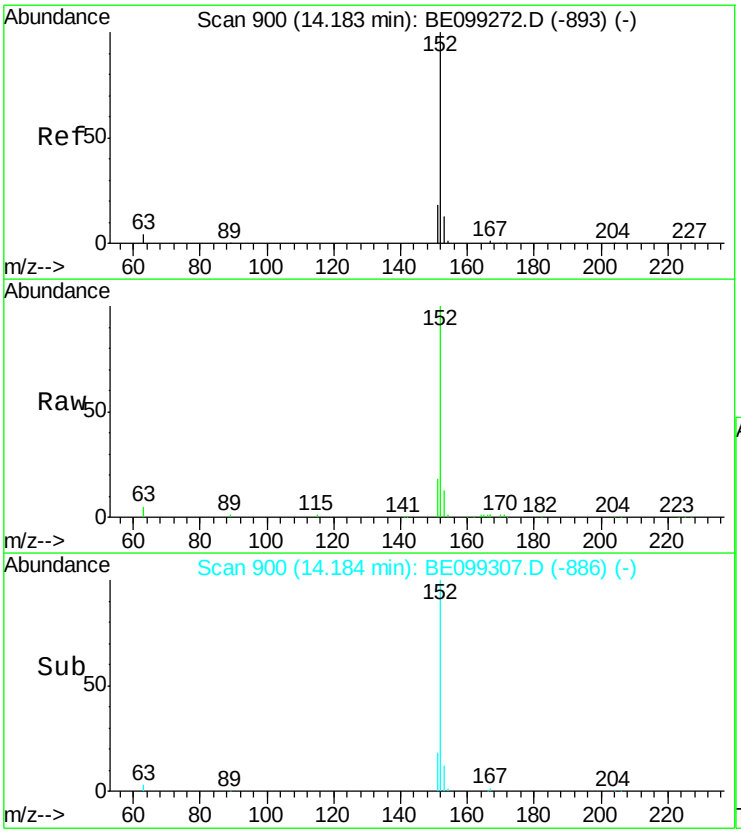
#15
2-Fluorobiphenyl
Concen: 0.435 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 16073

Ion	Ratio	Lower	Upper
172	100		
171	34.3	27.0	40.4
170	23.4	17.8	26.6

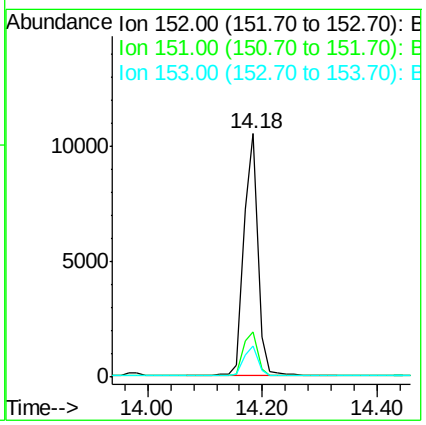


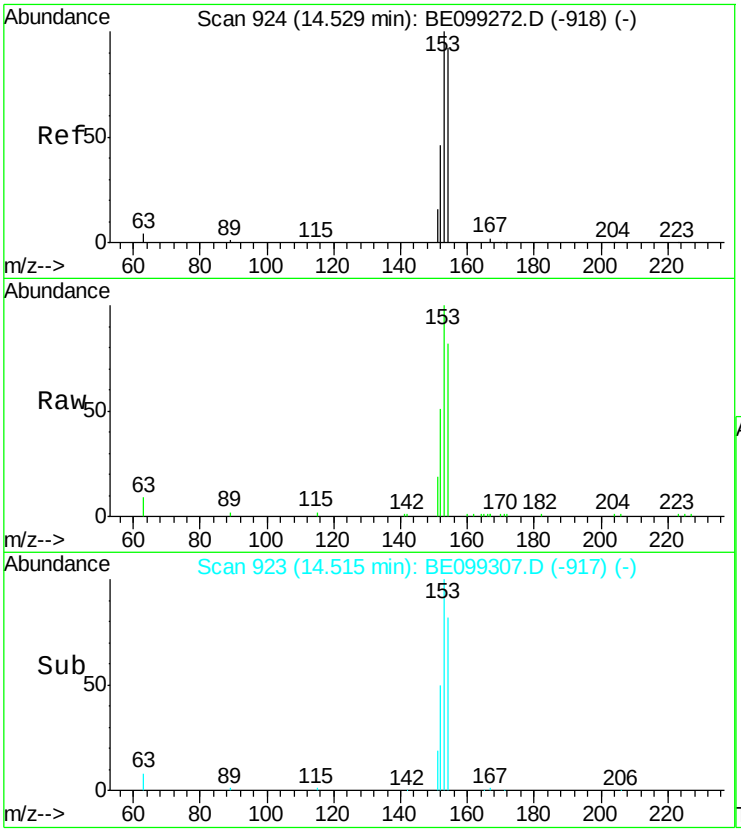


#16
Acenaphthylene
Concen: 0.403 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:152 Resp: 17960

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	13.0	10.8	16.2



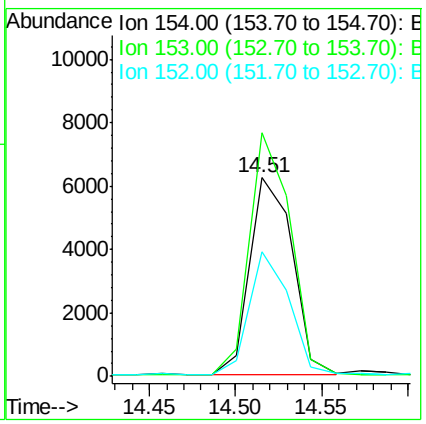


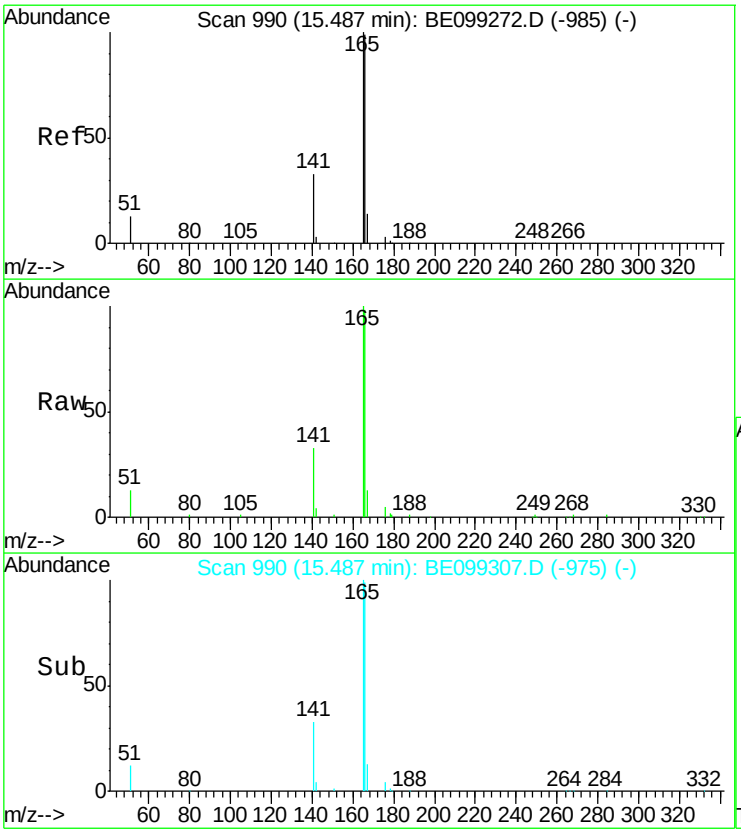
#17
Acenaphthene
Concen: 0.408 ng
RT: 14.51 min Scan# 923
Delta R.T. -0.01 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 10725

Ion	Ratio	Lower	Upper
154	100		
153	118.2	93.3	139.9
152	58.2	45.6	68.4

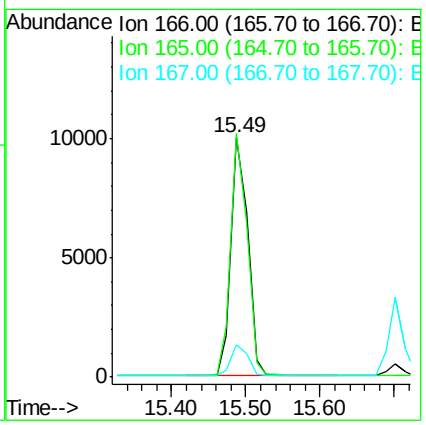


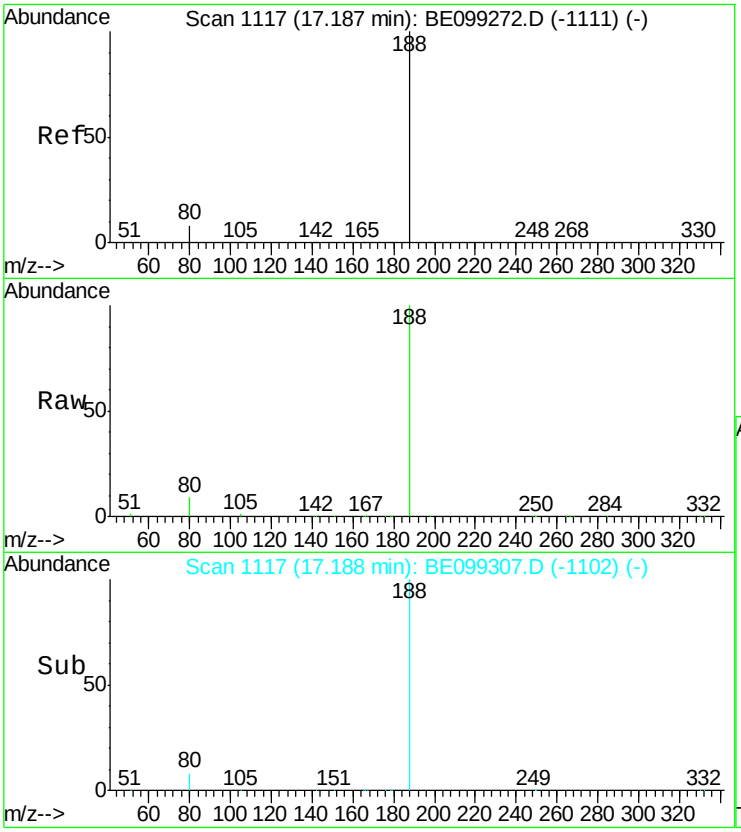


#18
Fluorene
Concen: 0.412 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:166 Resp: 15639

Ion	Ratio	Lower	Upper
166	100		
165	99.9	80.6	120.8
167	13.5	10.7	16.1



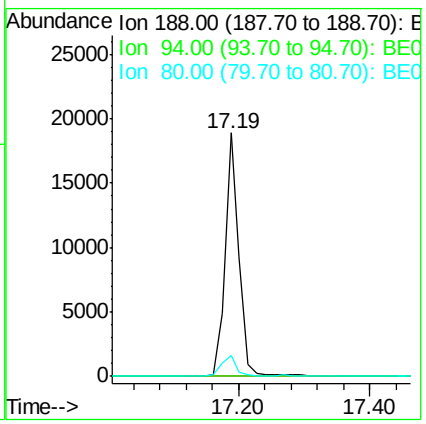


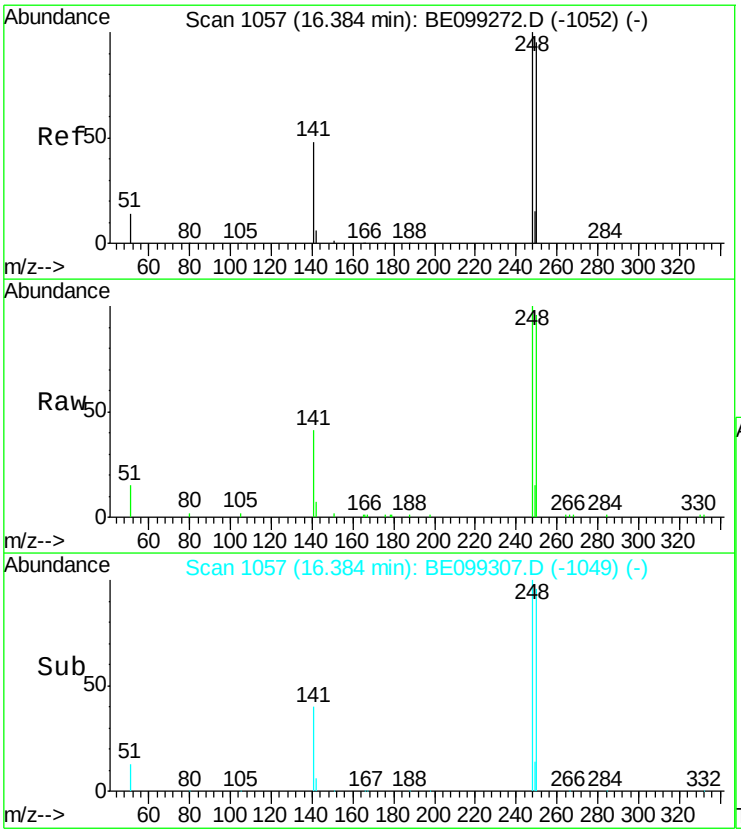
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 27641

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.7	7.5	11.3

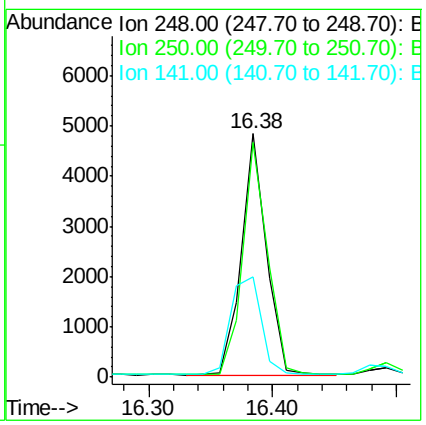


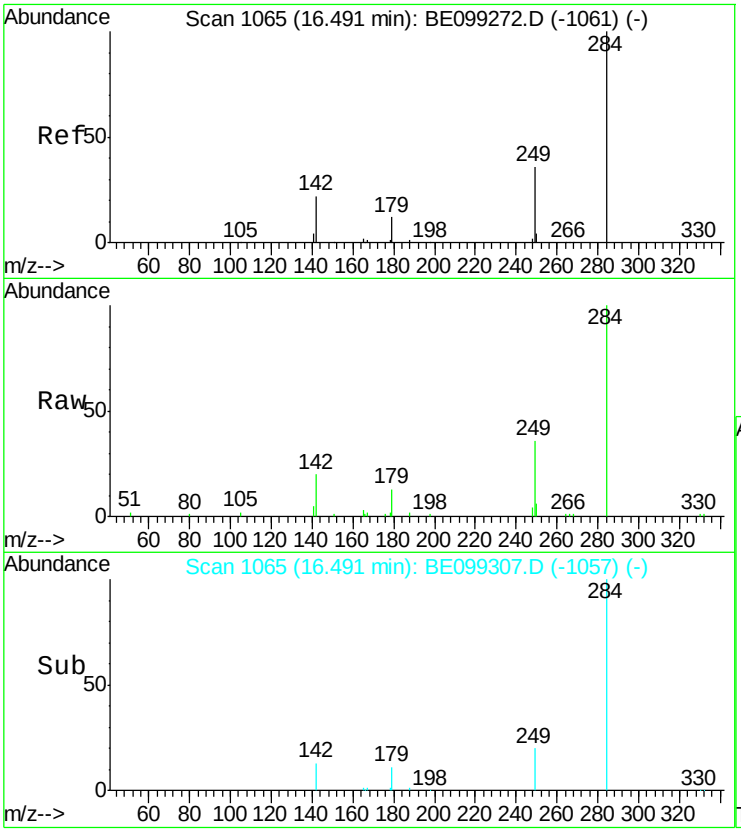


#20
4-Bromophenyl-phenylether
Concen: 0.428 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:248 Resp: 6709

Ion	Ratio	Lower	Upper
248	100		
250	96.5	74.3	111.5
141	41.1	39.1	58.7



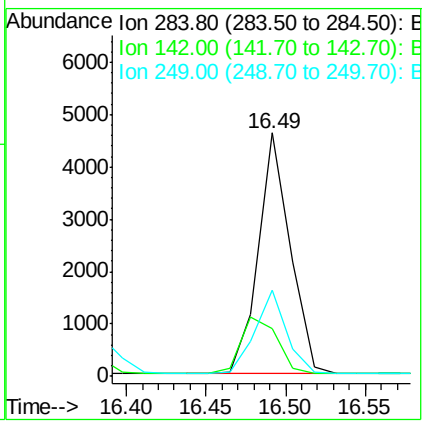


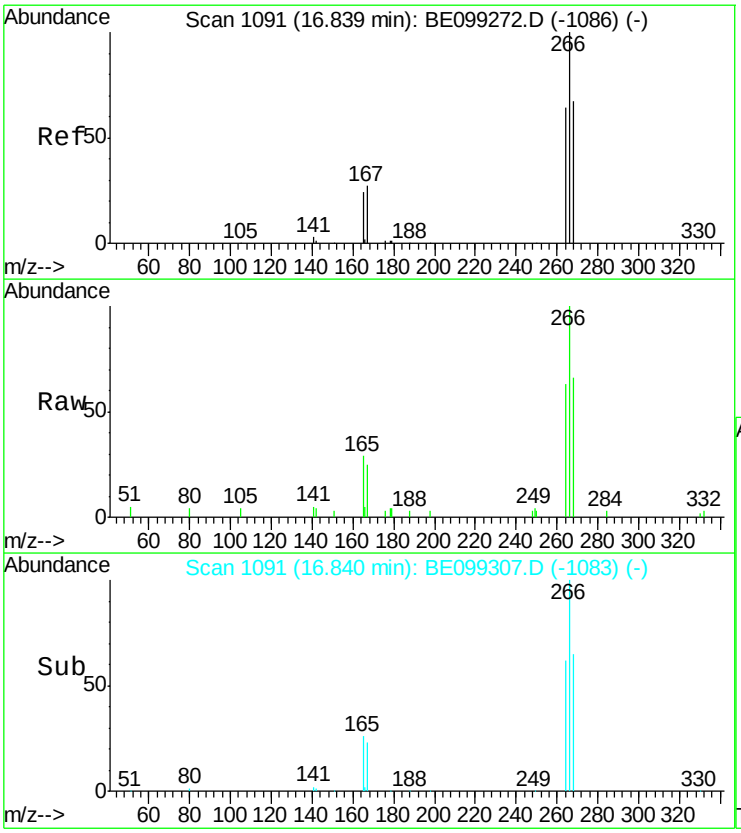
#21
Hexachlorobenzene
Concen: 0.433 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 6468

Ion	Ratio	Lower	Upper
284	100		
142	26.8	21.2	31.8
249	33.8	27.4	41.2

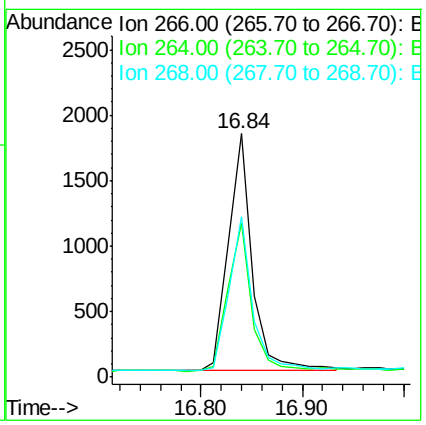


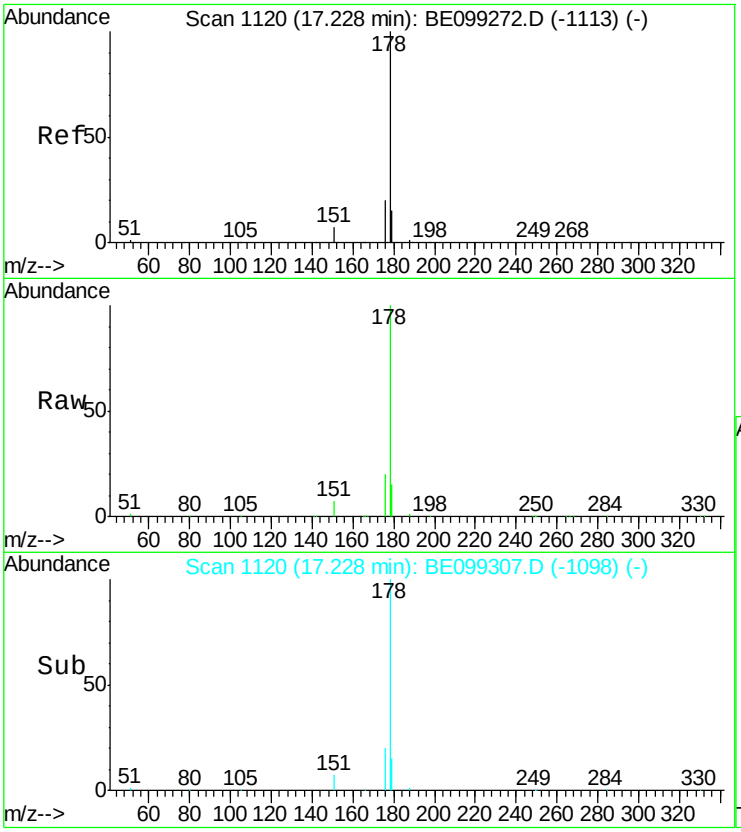


#22
Pentachlorophenol
Concen: 0.473 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:266 Resp: 2932

Ion	Ratio	Lower	Upper
266	100		
264	63.0	53.6	80.4
268	65.7	54.2	81.2



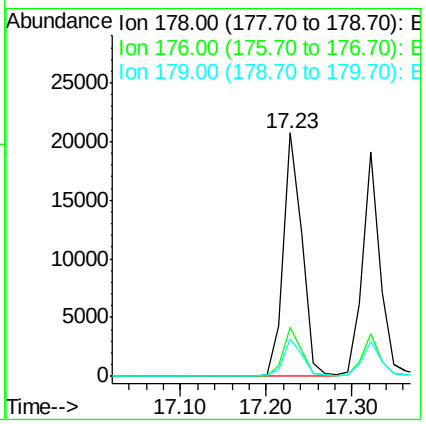


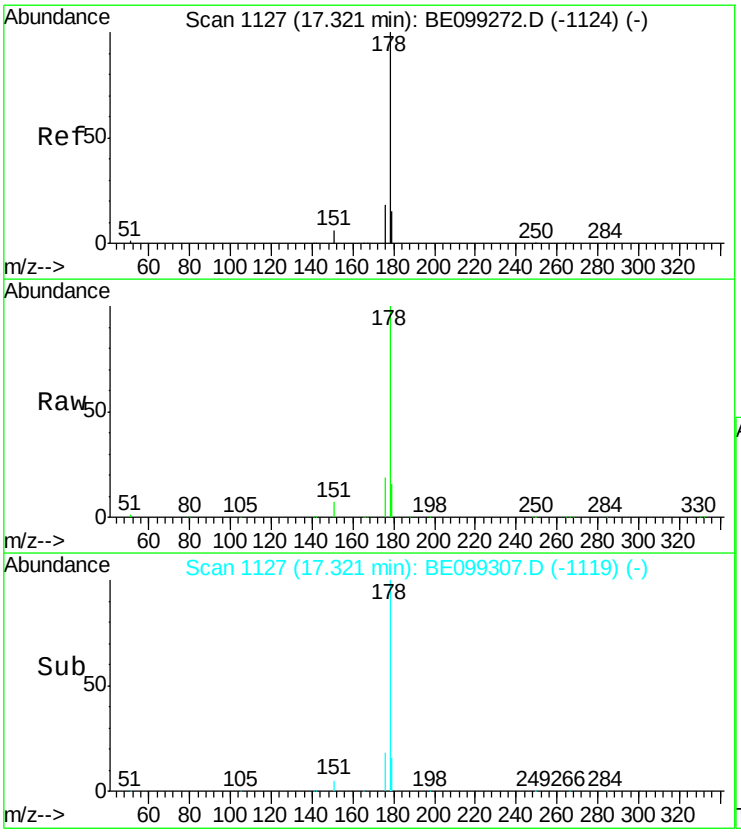
#23
Phenanthrene
Concen: 0.433 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 30983

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.0
179	15.0	11.8	17.8

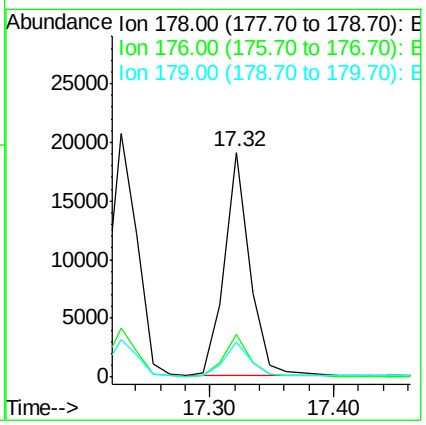


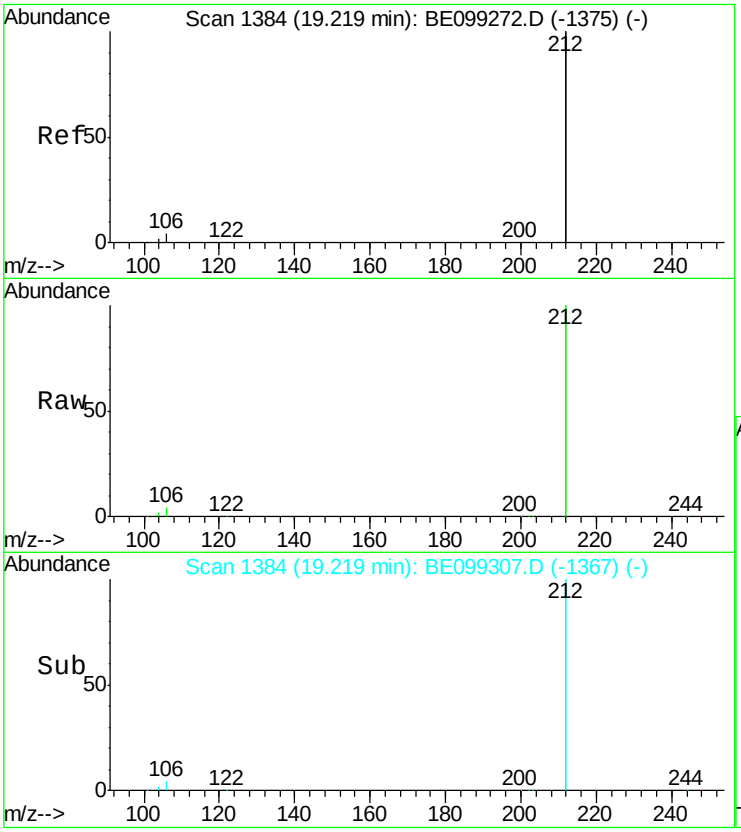


#24
Anthracene
Concen: 0.398 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:178 Resp: 26841

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.9	12.3	18.5



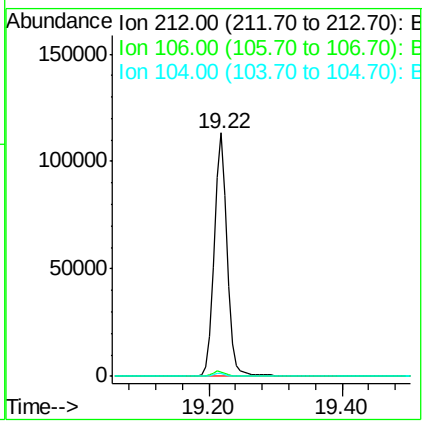


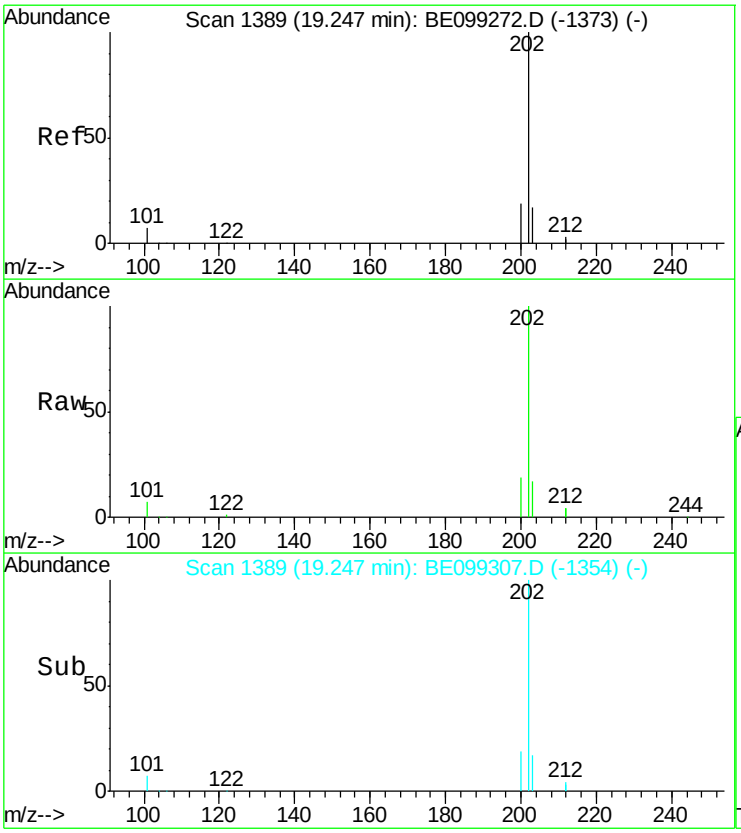
#25
Fluoranthene-d10
Concen: 0.411 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 150086

Ion	Ratio	Lower	Upper
212	100		
106	2.1	1.7	2.5
104	1.2	1.0	1.4

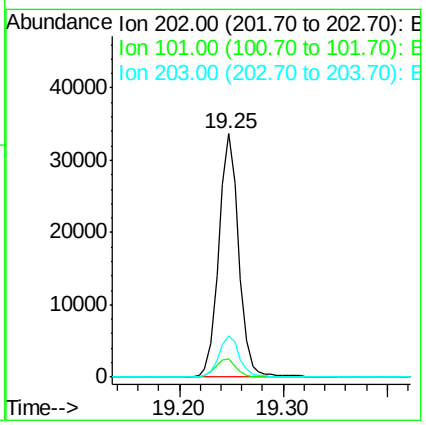


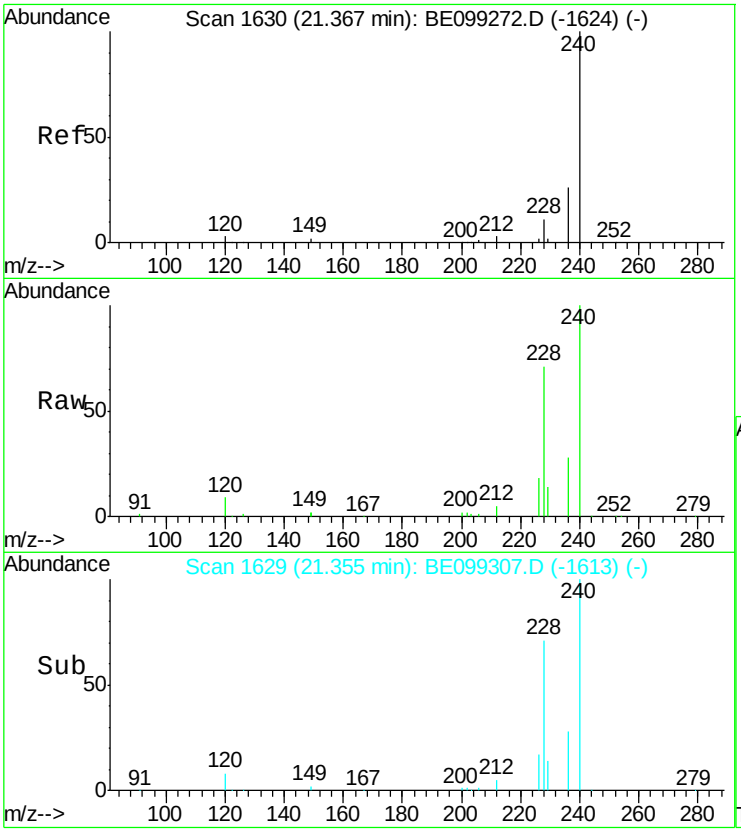


#26
Fluoranthene
Concen: 0.420 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:202 Resp: 44349

Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.1	9.1
203	17.2	13.8	20.6



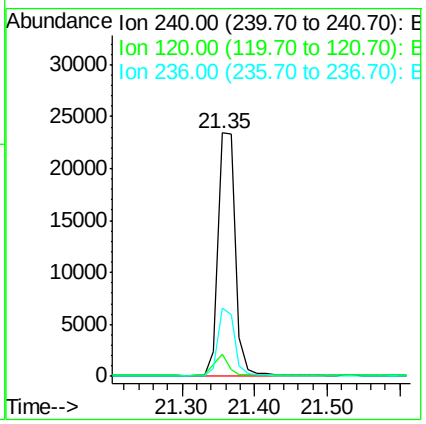


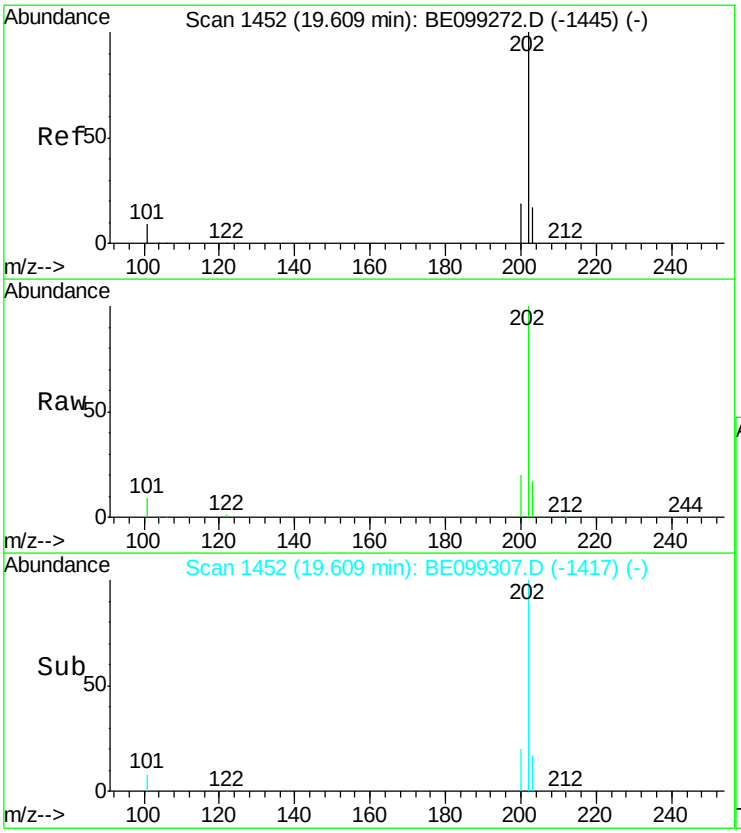
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.35 min Scan# 1629
Delta R.T. -0.01 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 39464

Ion	Ratio	Lower	Upper
240	100		
120	8.9	2.3	3.5#
236	28.3	21.0	31.6

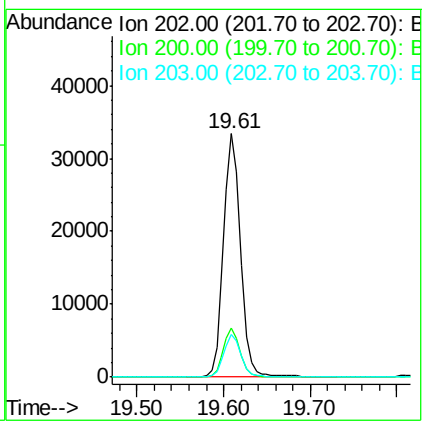


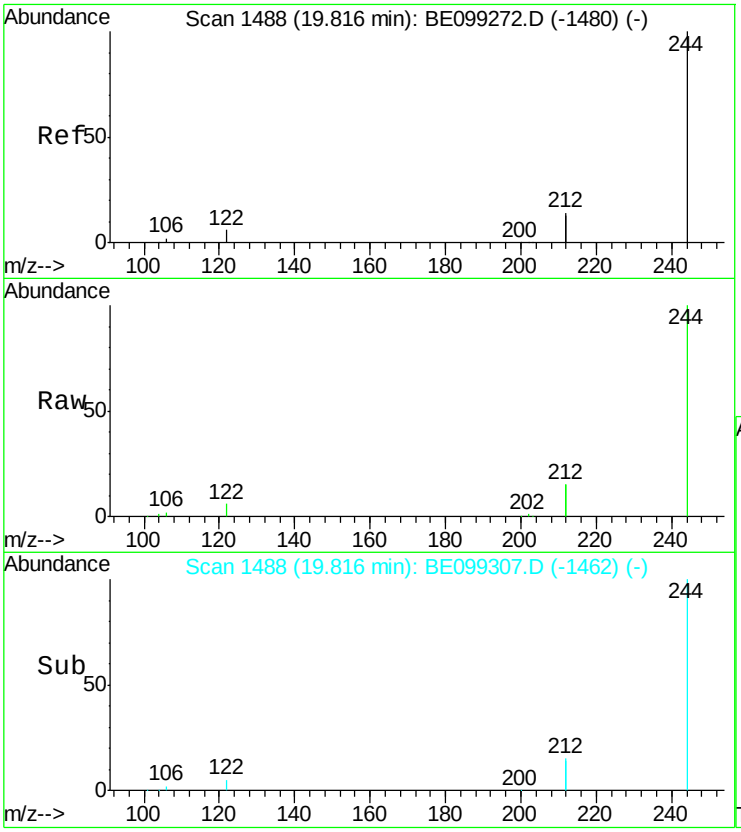


#28
Pyrene
Concen: 0.432 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:202 Resp: 45054

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.5	23.3
203	17.4	14.0	21.0



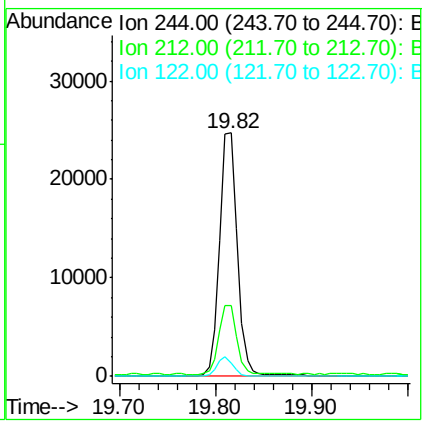


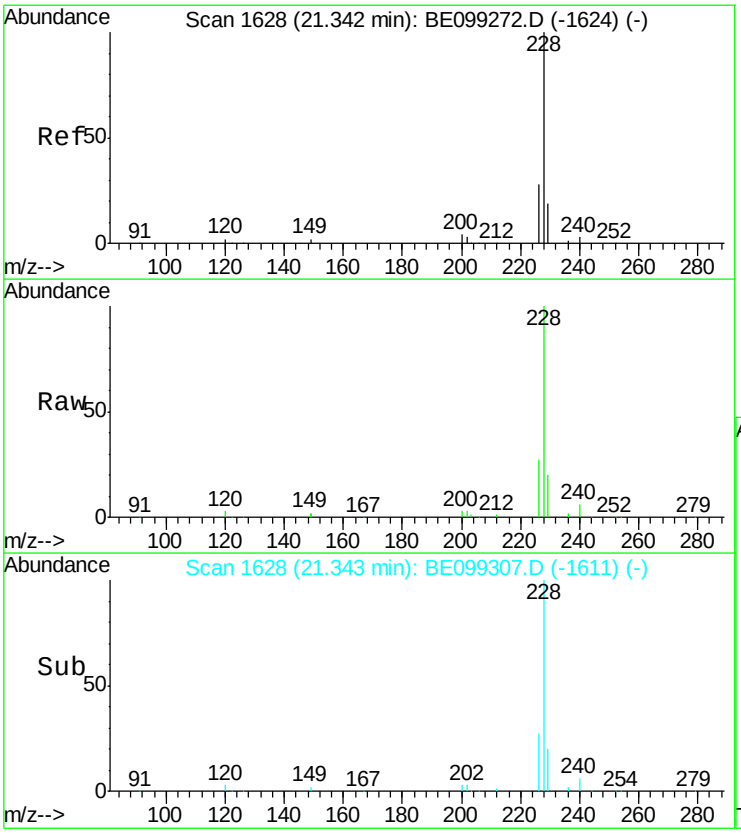
#29
Terphenyl-d14
Concen: 0.442 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 31855

Ion	Ratio	Lower	Upper
244	100		
212	29.2	22.4	33.6
122	5.6	4.4	6.6

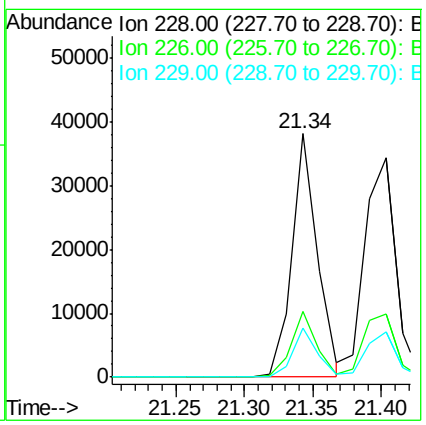


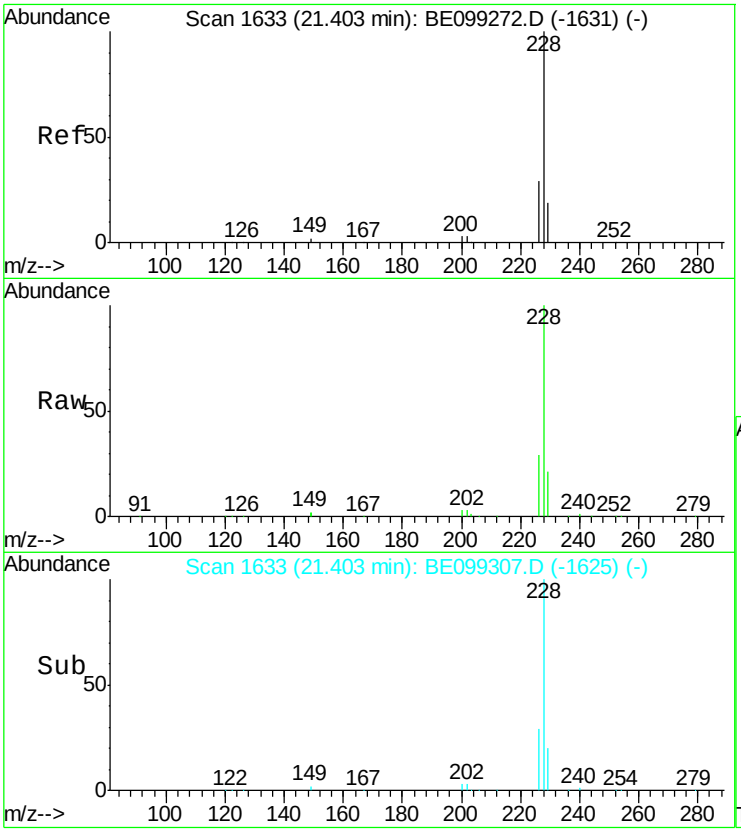


#30
Benzo(a)anthracene
Concen: 0.392 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:228 Resp: 48726

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.1	33.1
229	20.0	15.4	23.0



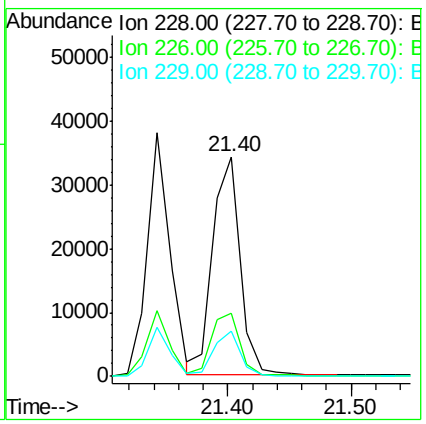


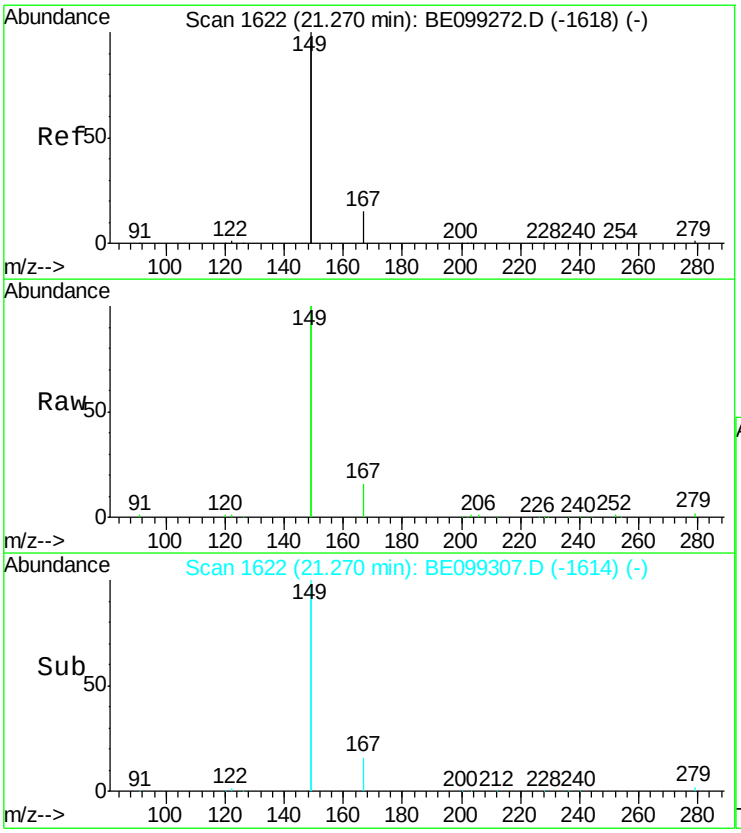
#31
Chrysene
Concen: 0.434 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 52881

Ion	Ratio	Lower	Upper
228	100		
226	29.0	23.6	35.4
229	20.5	15.8	23.8

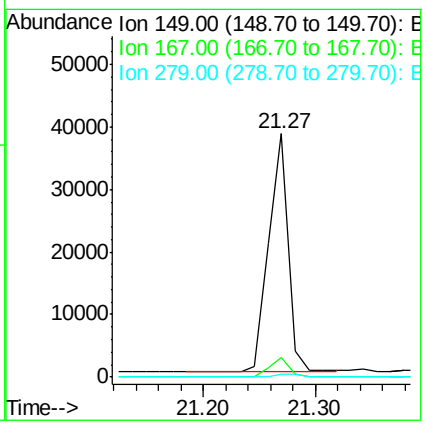


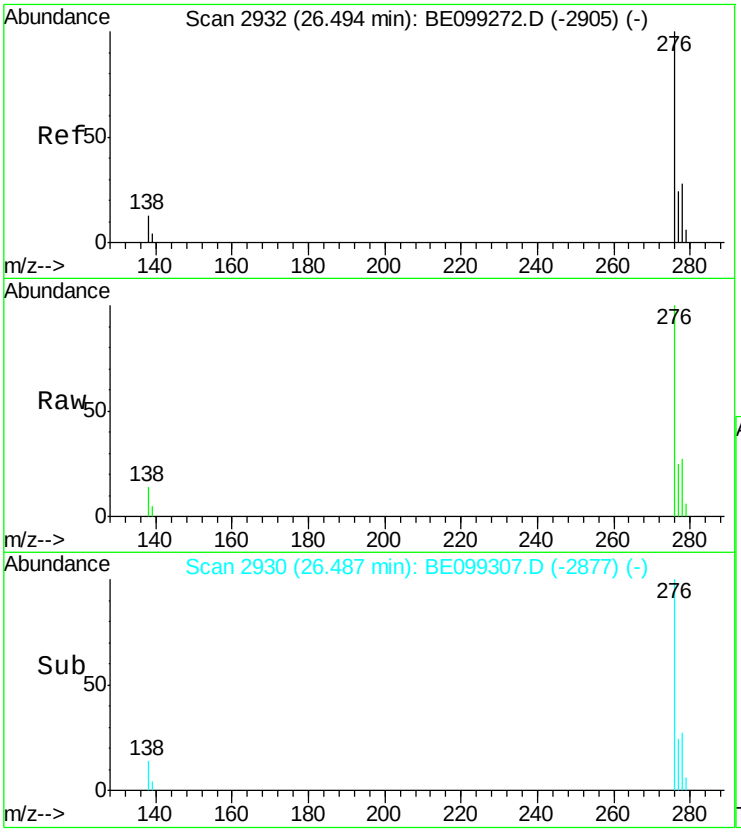


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.292 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:149 Resp: 46277

Ion	Ratio	Lower	Upper
149	100		
167	7.6	5.8	8.6
279	1.3	1.0	1.6



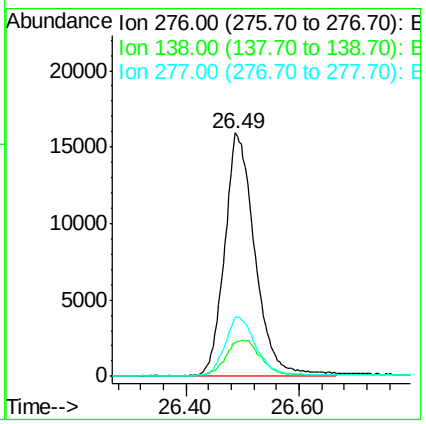


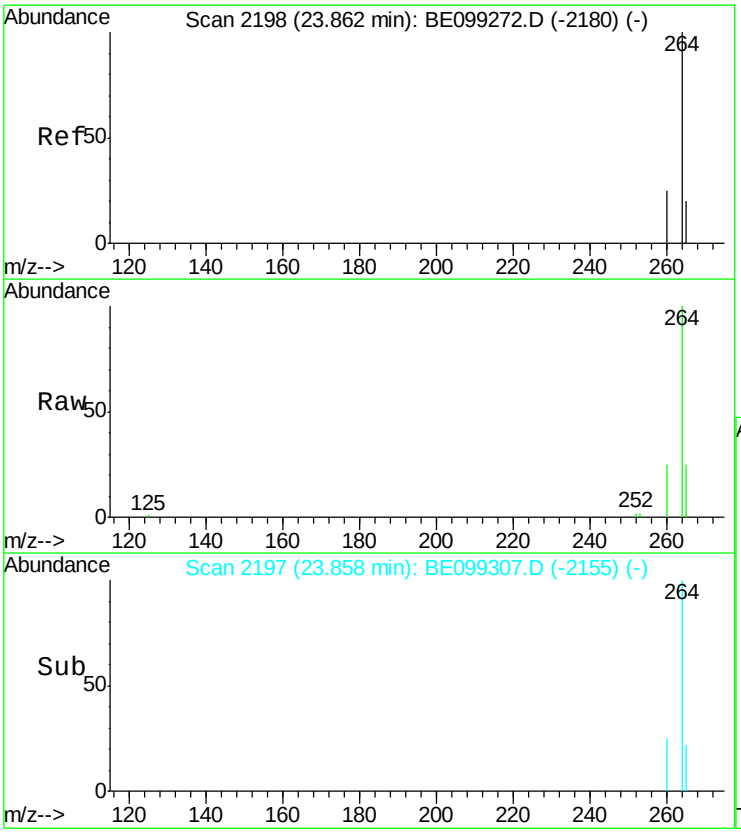
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.421 ng
RT: 26.49 min Scan# 2930
Delta R.T. -0.01 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 58595

Ion	Ratio	Lower	Upper
276	100		
138	16.2	13.3	19.9
277	24.2	19.8	29.8

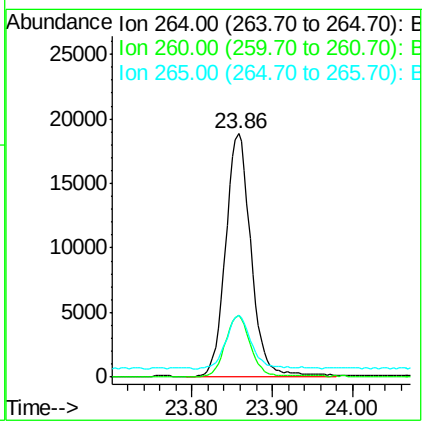


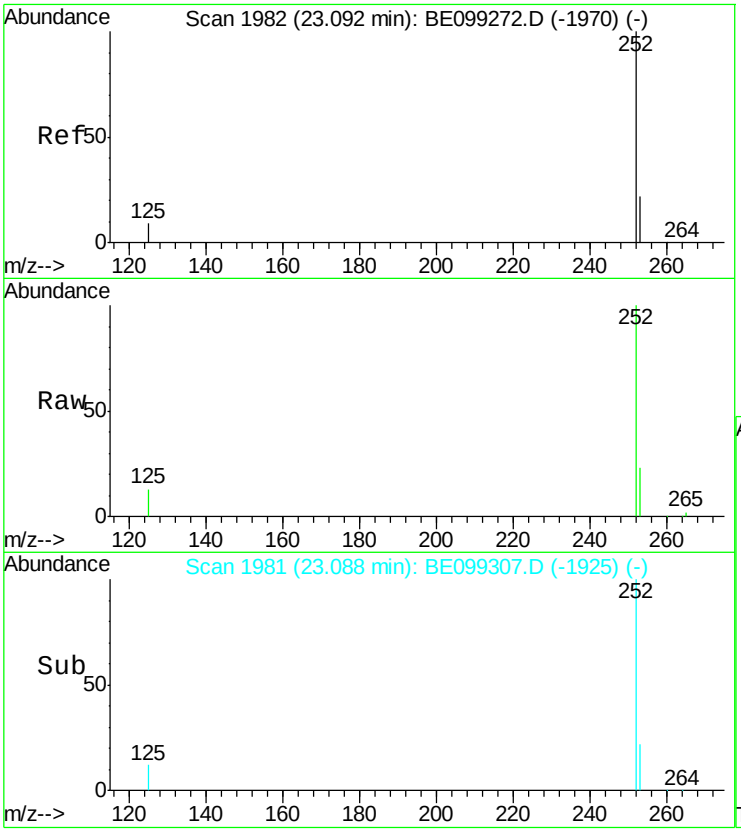


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:264 Resp: 40968

Ion	Ratio	Lower	Upper
264	100		
260	25.5	19.9	29.9
265	25.3	20.3	30.5



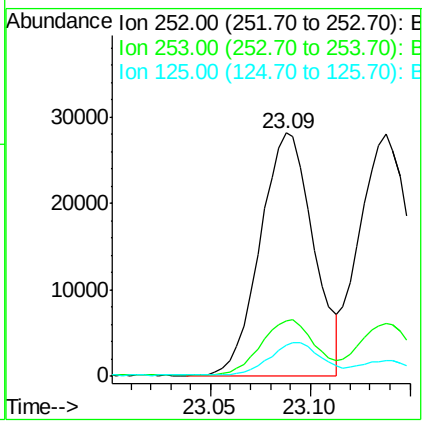


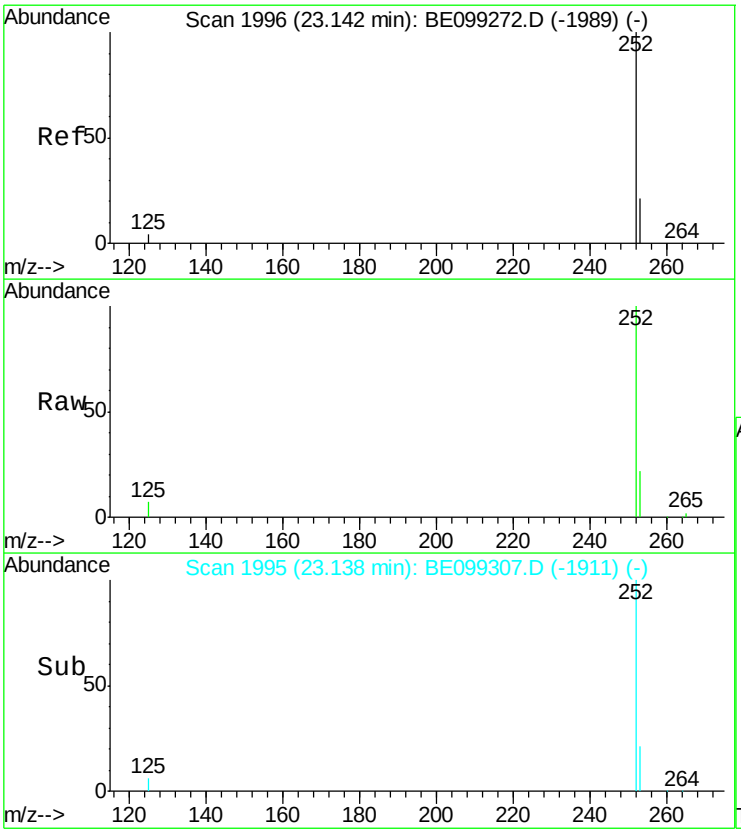
#35
Benzo(b)fluoranthene
Concen: 0.424 ng
RT: 23.09 min Scan# 1981
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 51859

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.5	27.7
125	12.9	9.4	14.2

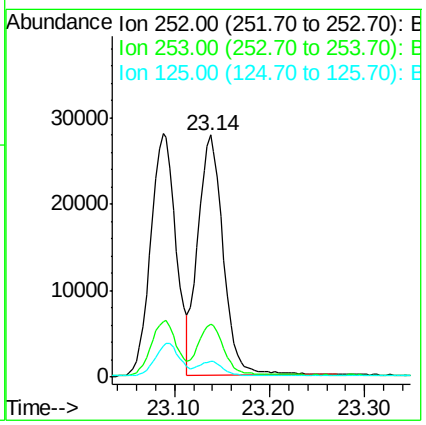


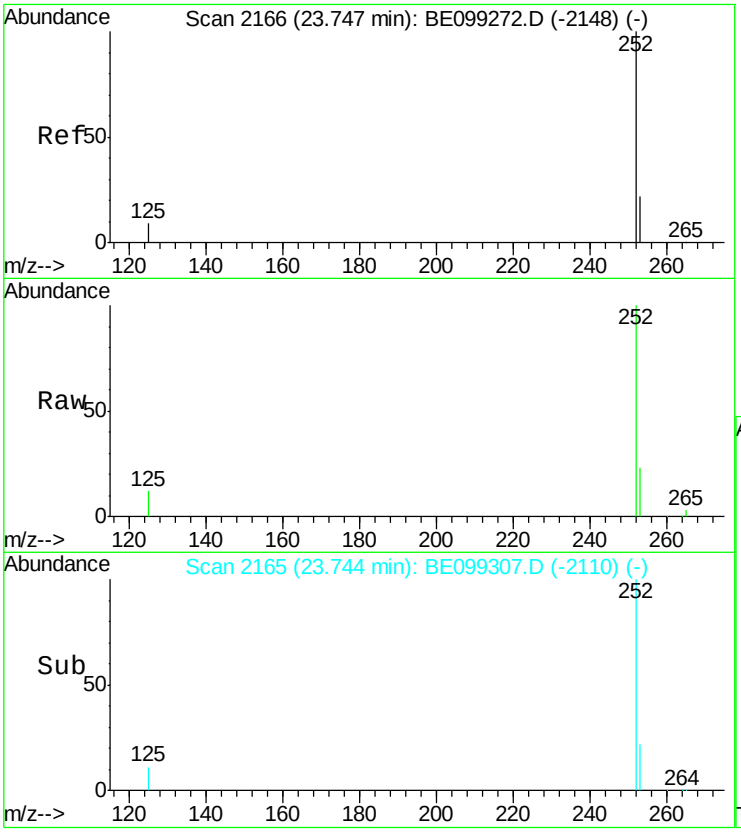


#36
Benzo(k)fluoranthene
Concen: 0.435 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:252 Resp: 51778

Ion	Ratio	Lower	Upper
252	100		
253	22.0	18.0	27.0
125	6.7	5.2	7.8



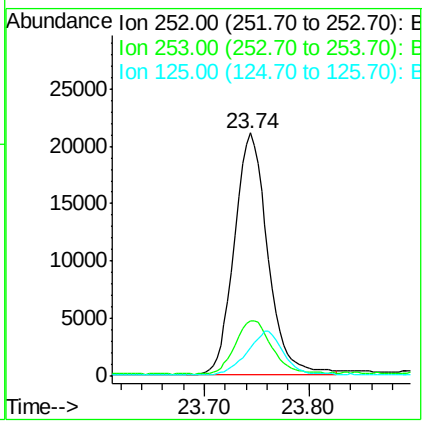


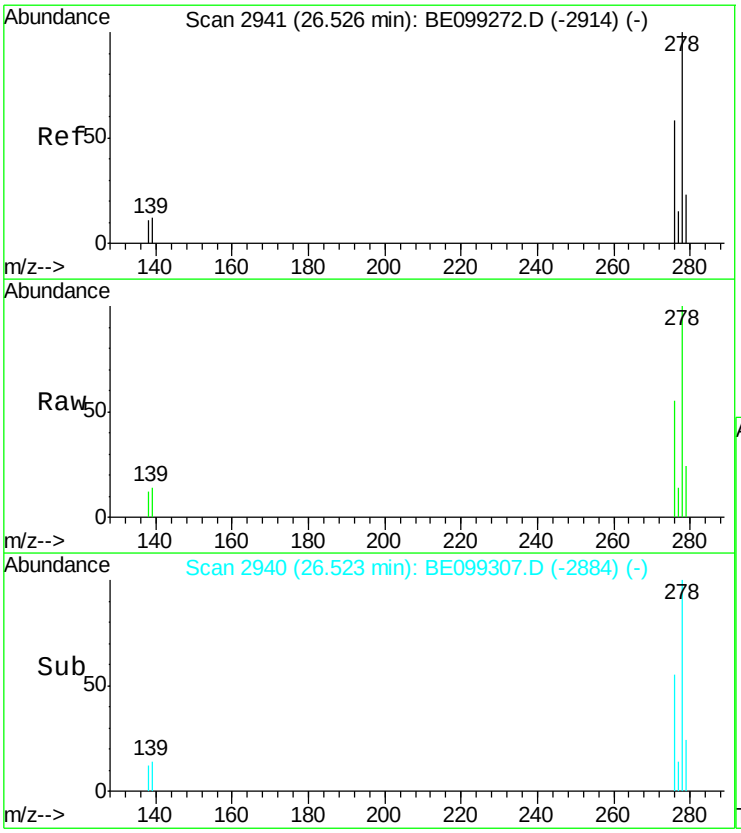
#37
Benzo(a)pyrene
Concen: 0.406 ng
RT: 23.74 min Scan# 2165
Delta R.T. -0.01 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 46695

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.6	28.0
125	11.7	9.5	14.3

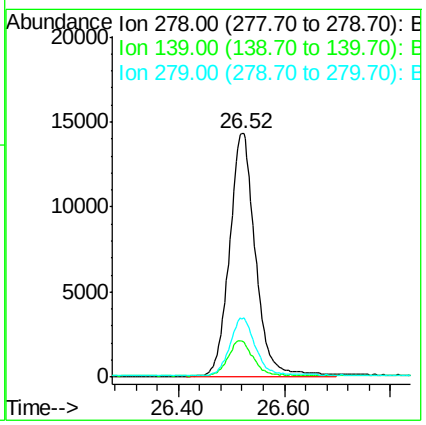


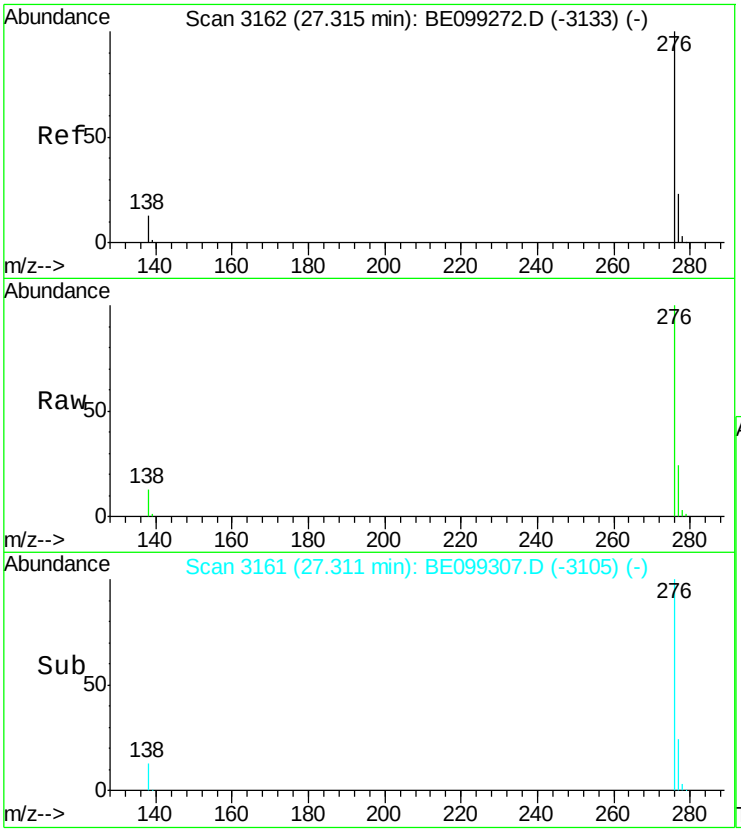


#38
Dibenzo(a,h)anthracene
Concen: 0.426 ng
RT: 26.52 min Scan# 2940
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Tgt Ion:278 Resp: 48730

Ion	Ratio	Lower	Upper
278	100		
139	14.4	11.3	16.9
279	24.3	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.419 ng
RT: 27.31 min Scan# 3161
Delta R.T. -0.00 min
Lab File: BE099307.D
Acq: 5 Apr 2019 14:04

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 47679

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.0	28.4
138	13.3	10.7	16.1