Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040519\
Data File : BE099302.D
Acq On : 5 Apr 2019 10:18
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 05 14:59:55 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	3638	0.40	ng	0.00
7) Naphthalene-d8	10.61	136	13686	0.40	ng	0.00
13) Acenaphthene-d10	14.46	164	9318	0.40	ng	0.00
19) Phenanthrene-d10	17.19	188	27492	0.40	ng	0.00
27) Chrysene-d12	21.37	240	40238	0.40	ng	0.00
34) Perylene-d12	23.86	264	41557	0.40	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.39	112	3984	0.41	ng	0.00
5) Phenol-d6	6.98	99	5401	0.41	ng	0.00
8) Nitrobenzene-d5	8.97	82	4326	0.46	ng	0.00
11) 2-Methylnaphthalene-d10	12.20	152	10119	0.42	ng	0.00
14) 2,4,6-Tribromophenol	15.94	330	1684	0.39	ng	0.00
15) 2-Fluorobiphenyl	13.09	172	15966	0.44	ng	0.00
25) Fluoranthene-d10	19.22	212	151792	0.42	ng	0.00
29) Terphenyl-d14	19.82	244	31992	0.44	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.32	88	2187	0.441	ng	100
3) n-Nitrosodimethylamine	3.65	42	996	0.340	ng	100
6) bis(2-Chloroethyl)ether	7.24	93	4905	0.412	ng	100
9) Naphthalene	10.65	128	63356	0.426	ng	100
10) Hexachlorobutadiene	10.94	225	4238	0.438	ng	100
12) 2-Methylnaphthalene	12.28	142	10623	0.419	ng	100
16) Acenaphthylene	14.18	152	17482	0.396	ng	100
17) Acenaphthene	14.53	154	11108	0.426	ng	100
18) Fluorene	15.49	166	15735	0.418	ng	100
20) 4-Bromophenyl-phenylether	16.38	248	6572	0.421	ng	100
21) Hexachlorobenzene	16.49	284	6539	0.440	ng	100
22) Pentachlorophenol	16.84	266	3120	0.506	ng	100
23) Phenanthrene	17.23	178	31665	0.445	ng	100
24) Anthracene	17.32	178	27326	0.407	ng	100
26) Fluoranthene	19.25	202	44796	0.427	ng	100
28) Pyrene	19.61	202	46115	0.434	ng	100
30) Benzo(a)anthracene	21.34	228	51823	0.409	ng	100
31) Chrysene	21.40	228	53004	0.427	ng	100
32) Bis(2-ethylhexyl)phthalate	21.27	149	49796	0.308	ng	100
33) Indeno(1,2,3-cd)pyrene	26.50	276	58461	0.412	ng	100
35) Benzo(b)fluoranthene	23.09	252	52095	0.420	ng	100
36) Benzo(k)fluoranthene	23.14	252	51827	0.429	ng	100
37) Benzo(a)pyrene	23.75	252	47734	0.410	ng	100
38) Dibenzo(a,h)anthracene	26.52	278	48727	0.420	ng	100
39) Benzo(g,h,i)perylene	27.31	276	47850	0.414	ng	100

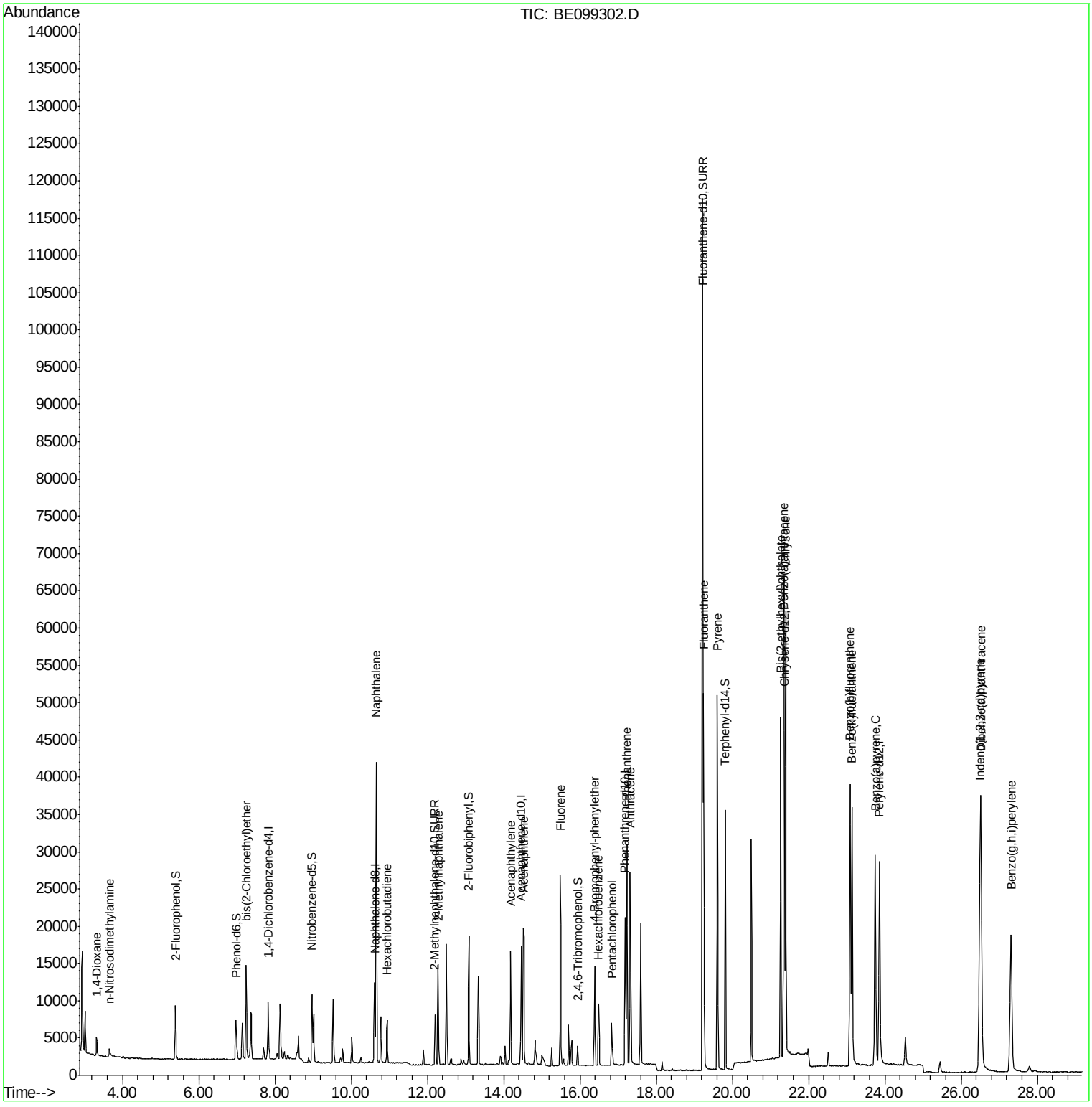
(#) = qualifier out of range (m) = manual integration (+) = signals summed

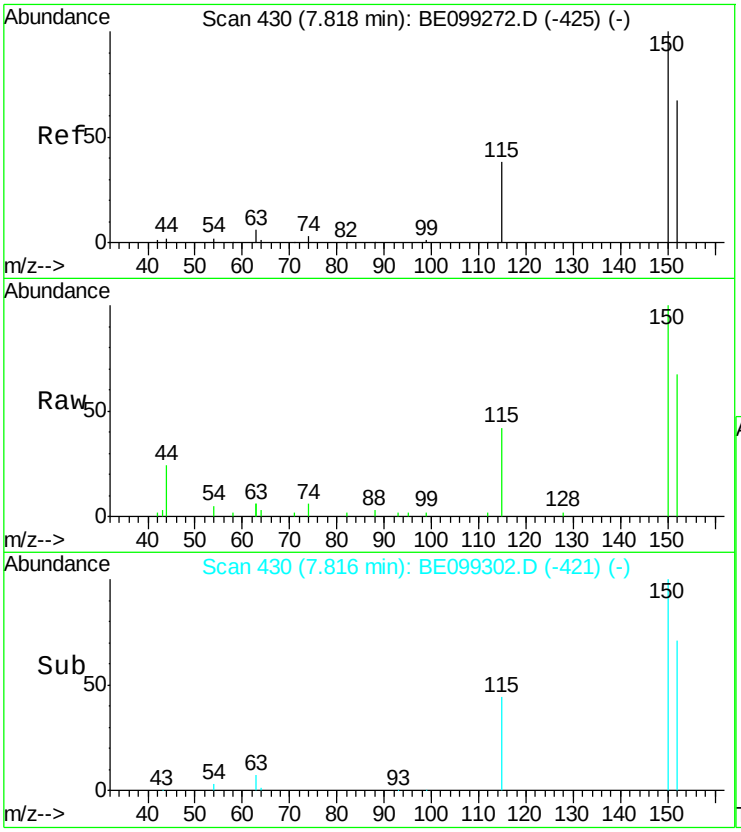
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040519\
Data File : BE099302.D
Acq On : 5 Apr 2019 10:18
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 05 14:59:55 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



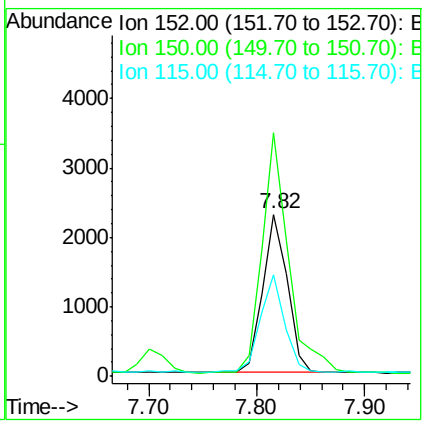


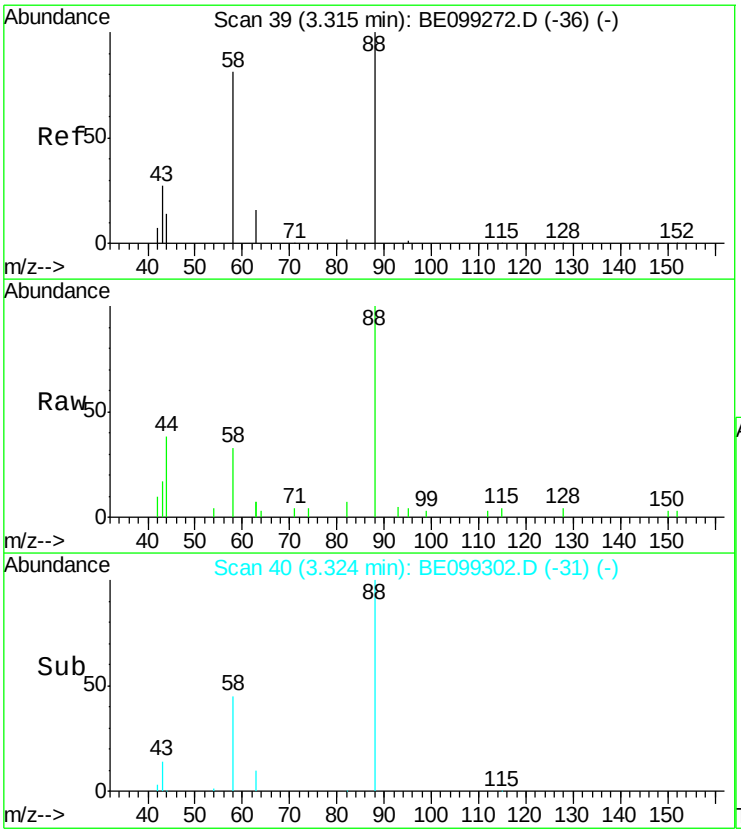
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3638

Ion	Ratio	Lower	Upper
152	100		
150	150.2	120.2	180.2
115	62.7	50.2	75.2

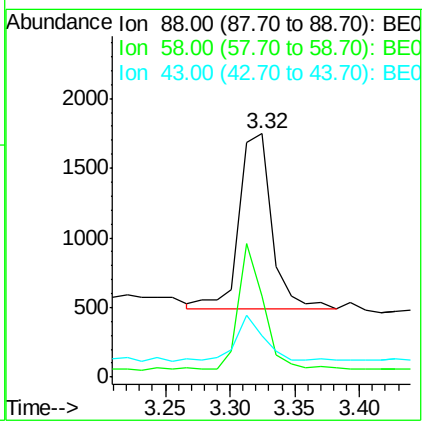


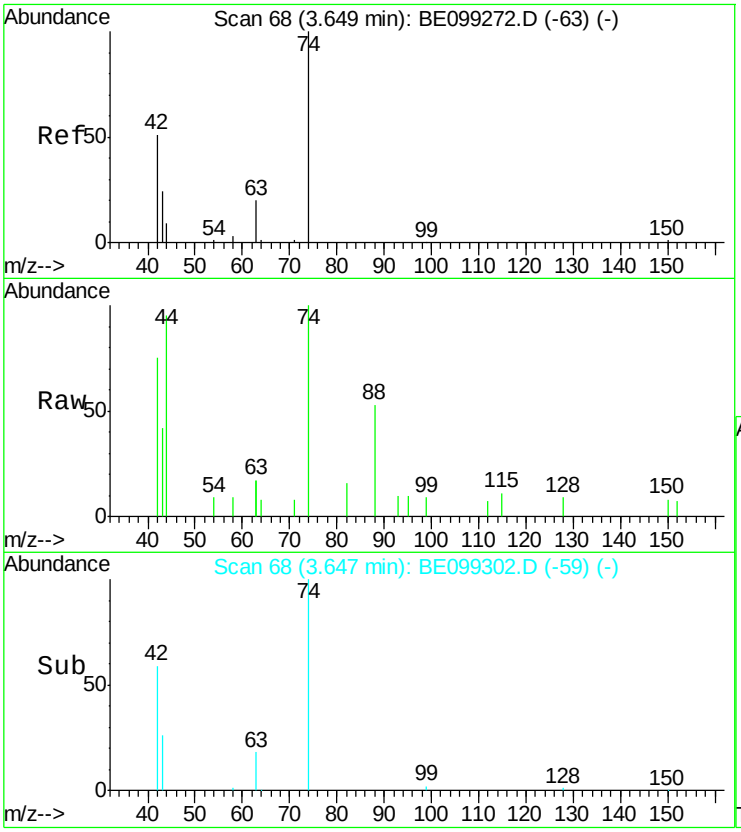


#2
1,4-Dioxane
Concen: 0.441 ng
RT: 3.32 min Scan# 40
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion: 88 Resp: 2187

Ion	Ratio	Lower	Upper
88	100		
58	55.0	43.8	65.8
43	23.3	18.6	28.0



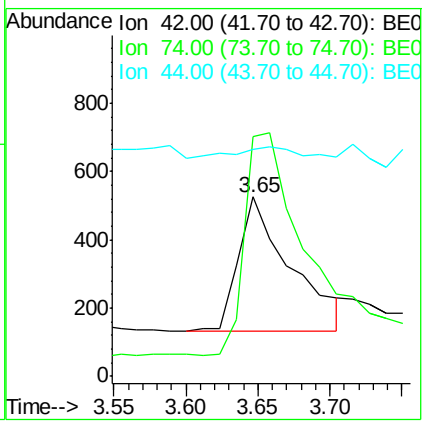


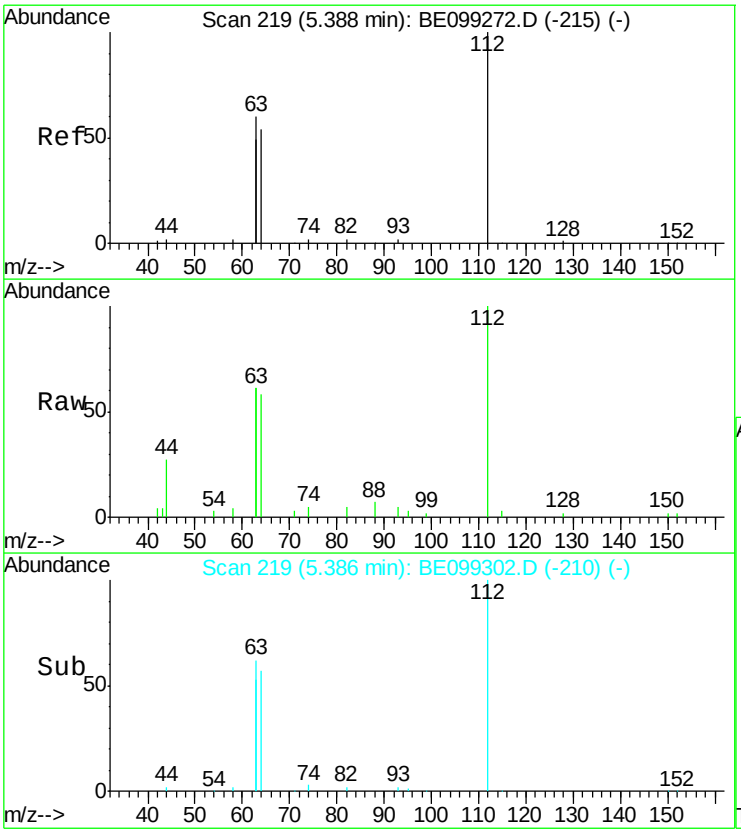
#3
n-Nitrosodimethylamine
Concen: 0.340 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 996

Ion	Ratio	Lower	Upper
42	100		
74	178.2	142.6	214.0
44	5.4	4.1	6.1

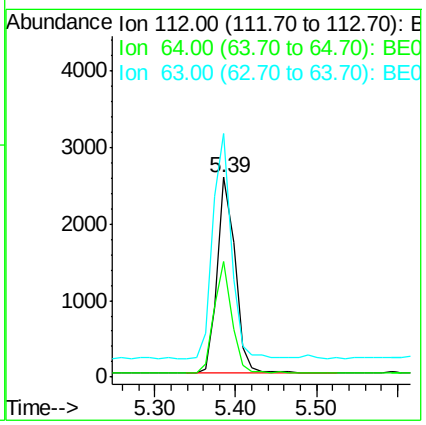


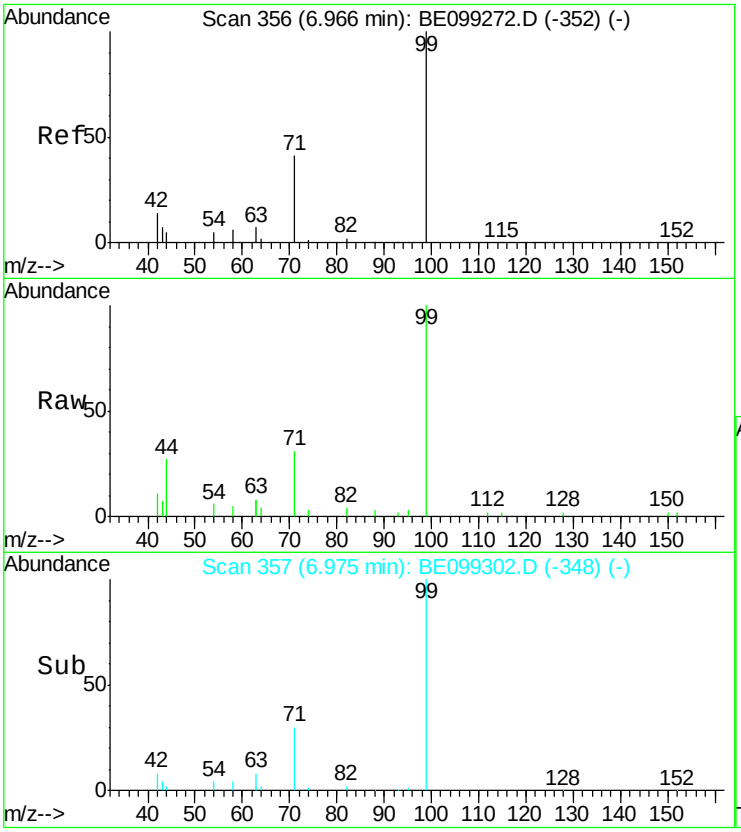


#4
2-Fluorophenol
Concen: 0.412 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:112 Resp: 3984

Ion	Ratio	Lower	Upper
112	100		
64	56.0	44.8	67.2
63	118.5	94.8	142.2



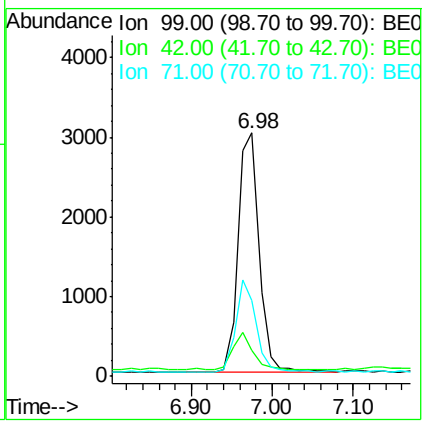


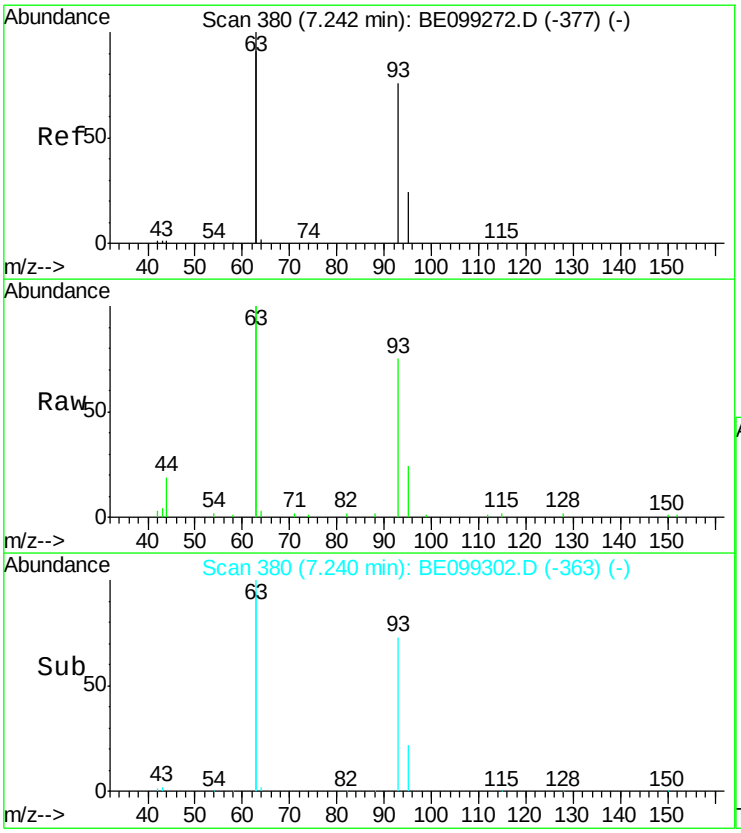
#5
Phenol-d6
Concen: 0.406 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5401

Ion	Ratio	Lower	Upper
99	100		
42	15.5	12.4	18.6
71	37.5	30.0	45.0

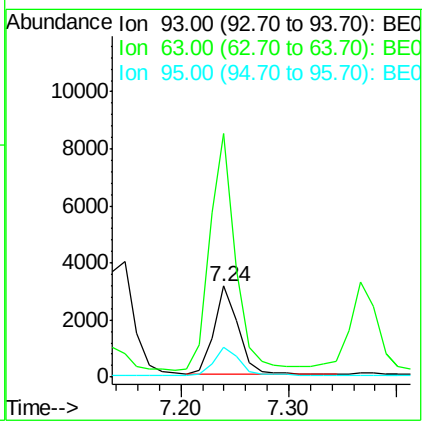


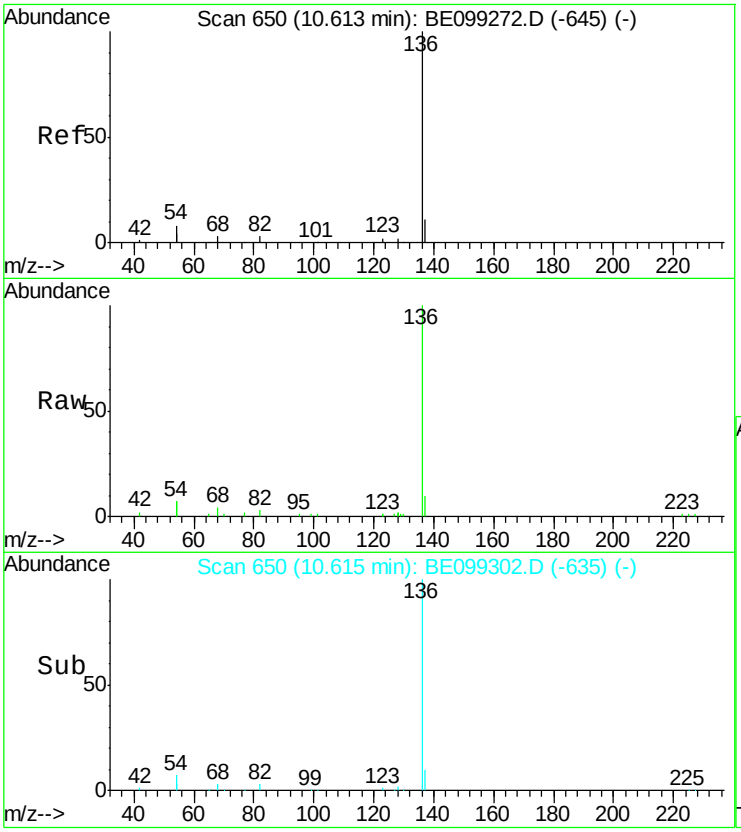


#6
bis(2-Chloroethyl)ether
Concen: 0.412 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion: 93 Resp: 4905

Ion	Ratio	Lower	Upper
93	100		
63	278.3	222.6	334.0
95	32.5	26.0	39.0



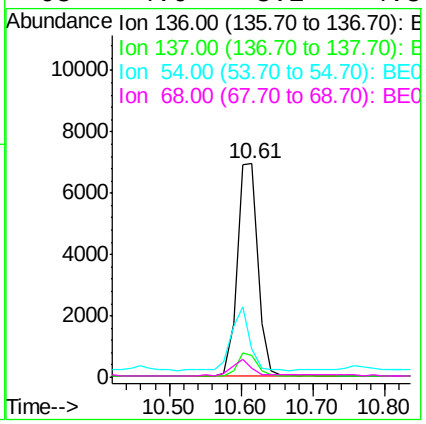


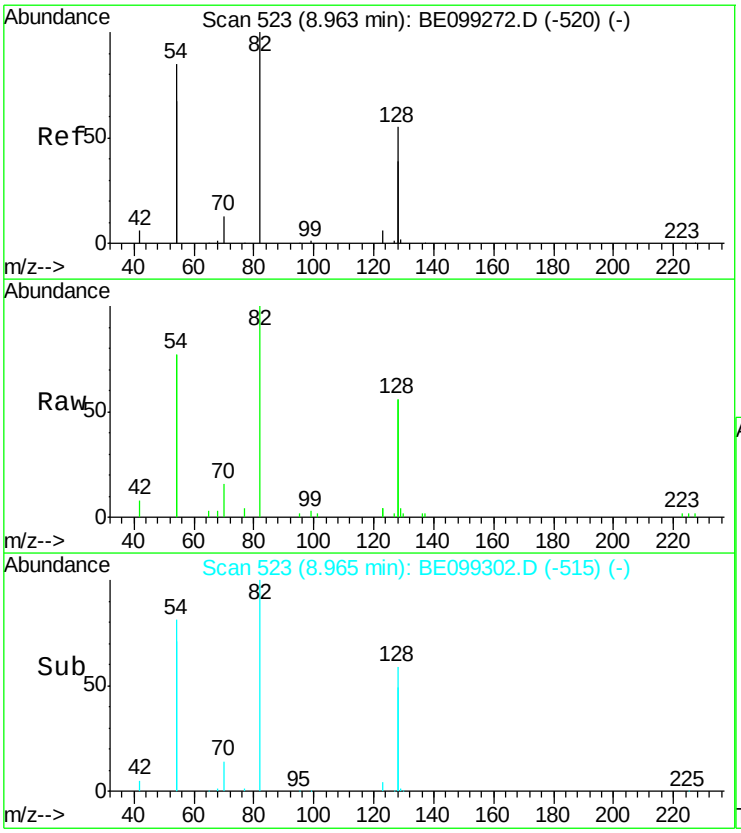
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 13686

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.3	12.5
54	13.5	10.8	16.2
68	4.0	3.2	4.8

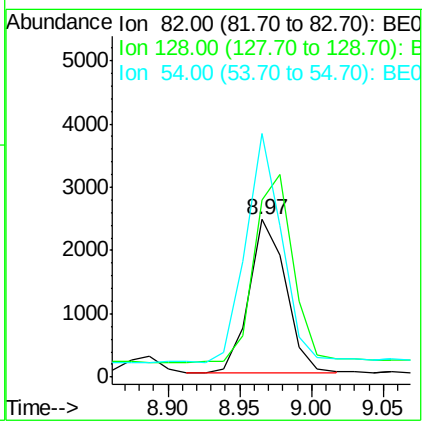


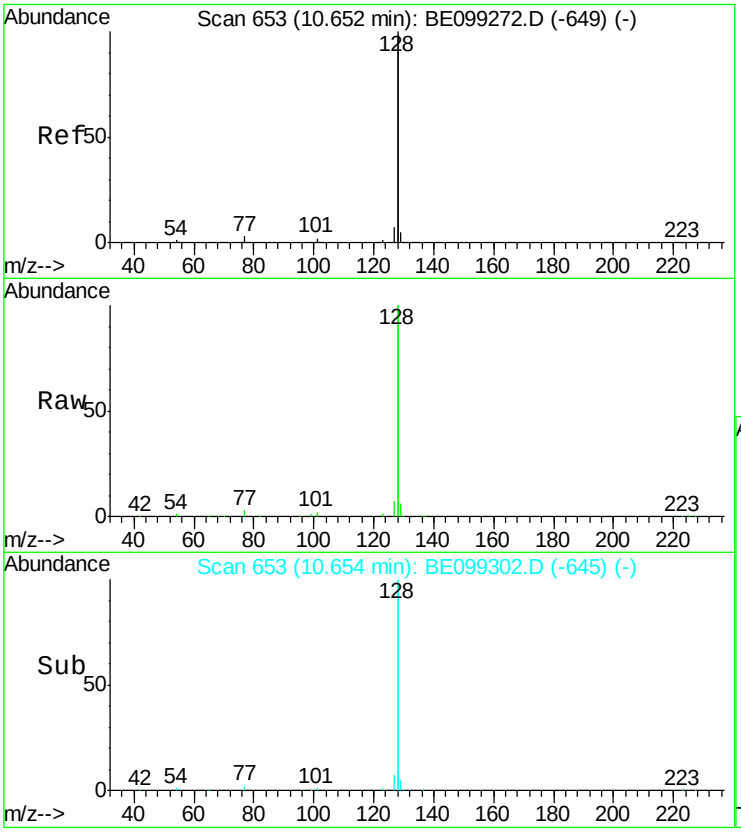


#8
Nitrobenzene-d5
Concen: 0.460 ng
RT: 8.97 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion: 82 Resp: 4326

Ion	Ratio	Lower	Upper
82	100		
128	112.6	90.1	135.1
54	154.5	123.6	185.4



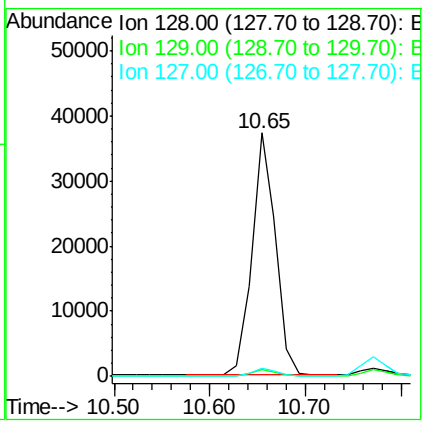


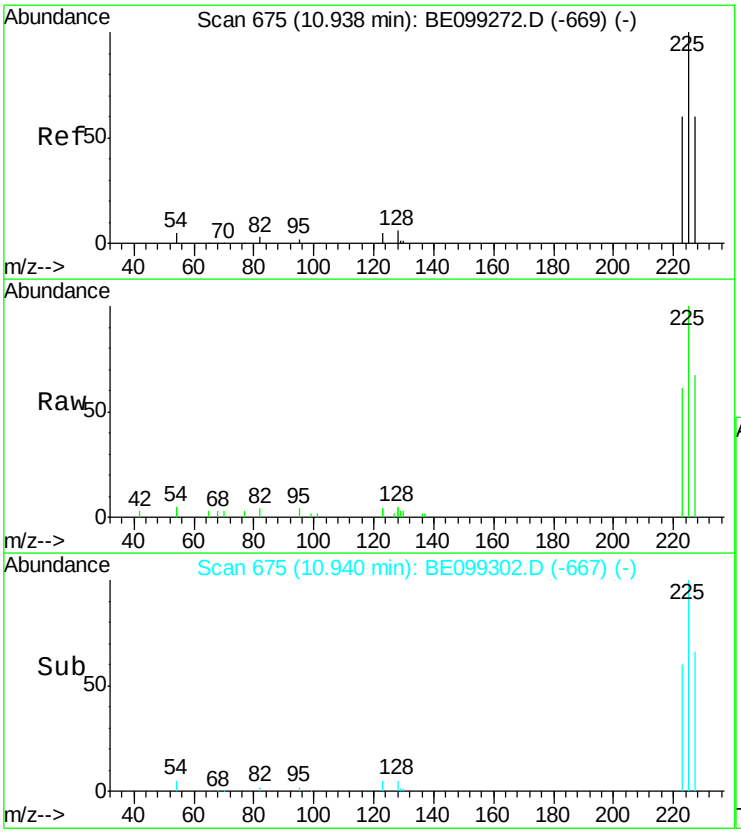
#9
Naphthalene
Concen: 0.426 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 63356

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.3	3.5
127	3.6	2.9	4.3

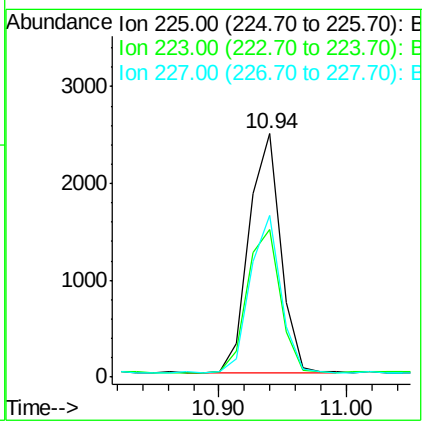


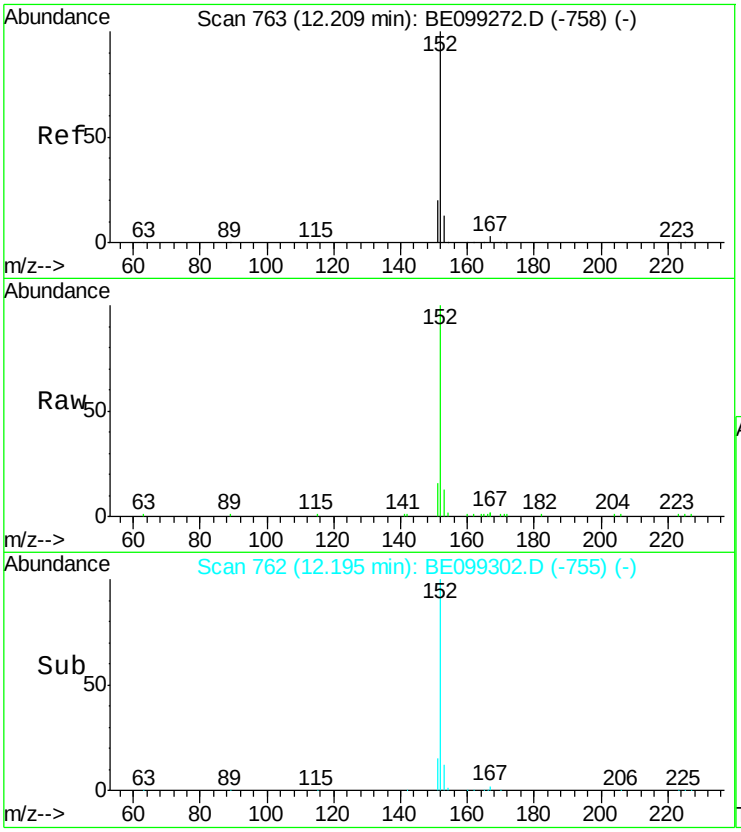


#10
Hexachlorobutadiene
Concen: 0.438 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:225 Resp: 4238

Ion	Ratio	Lower	Upper
225	100		
223	62.1	49.7	74.5
227	63.6	50.9	76.3



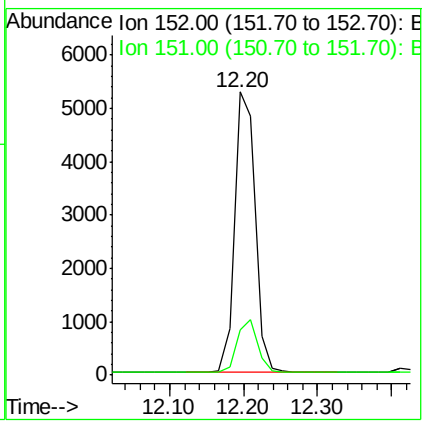


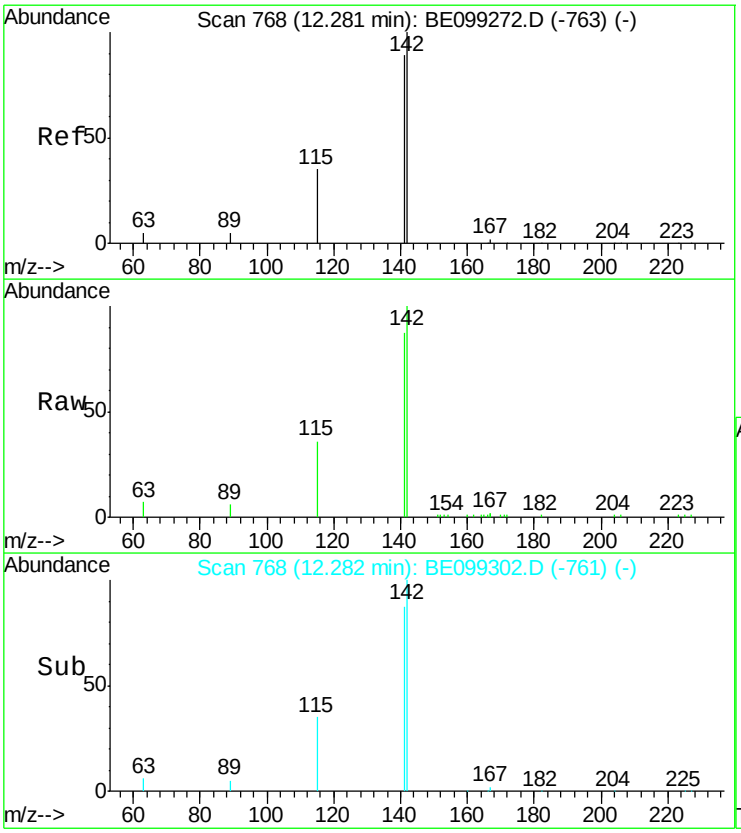
#11
2-Methylnaphthalene-d10
Concen: 0.424 ng
RT: 12.20 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 10119

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.1	22.7

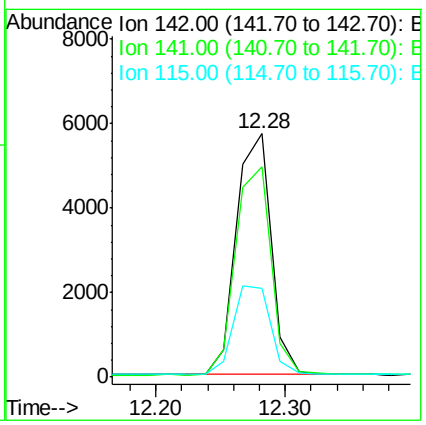


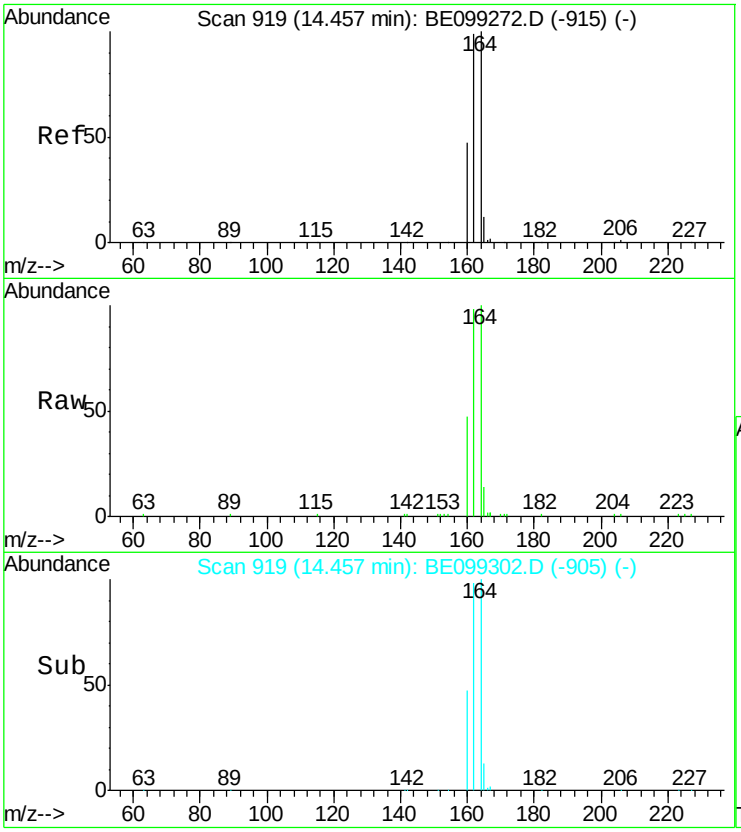


#12
2-Methylnaphthalene
Concen: 0.419 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:142 Resp: 10623

Ion	Ratio	Lower	Upper
142	100		
141	86.6	69.3	103.9
115	36.4	29.1	43.7



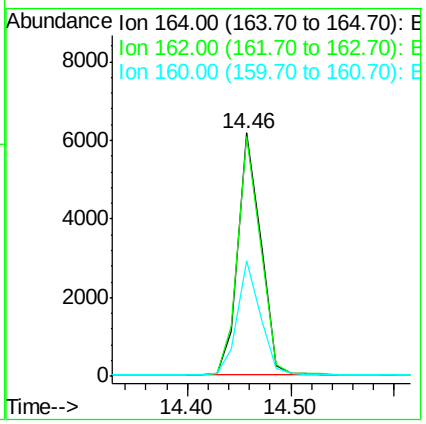


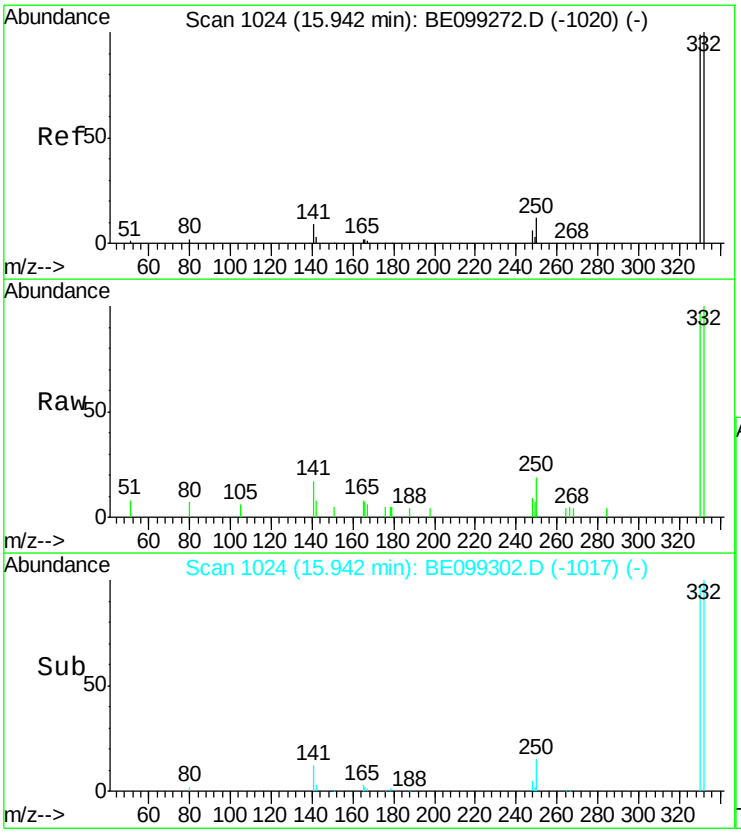
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 9318

Ion	Ratio	Lower	Upper
164	100		
162	98.4	78.7	118.1
160	47.3	37.8	56.8

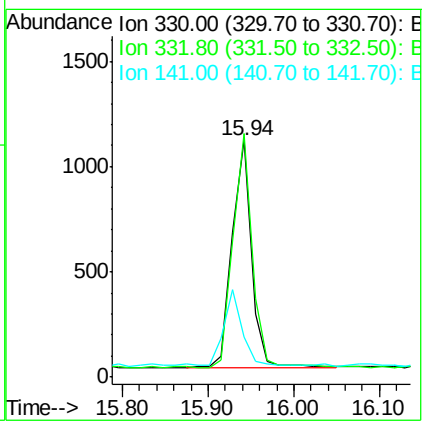


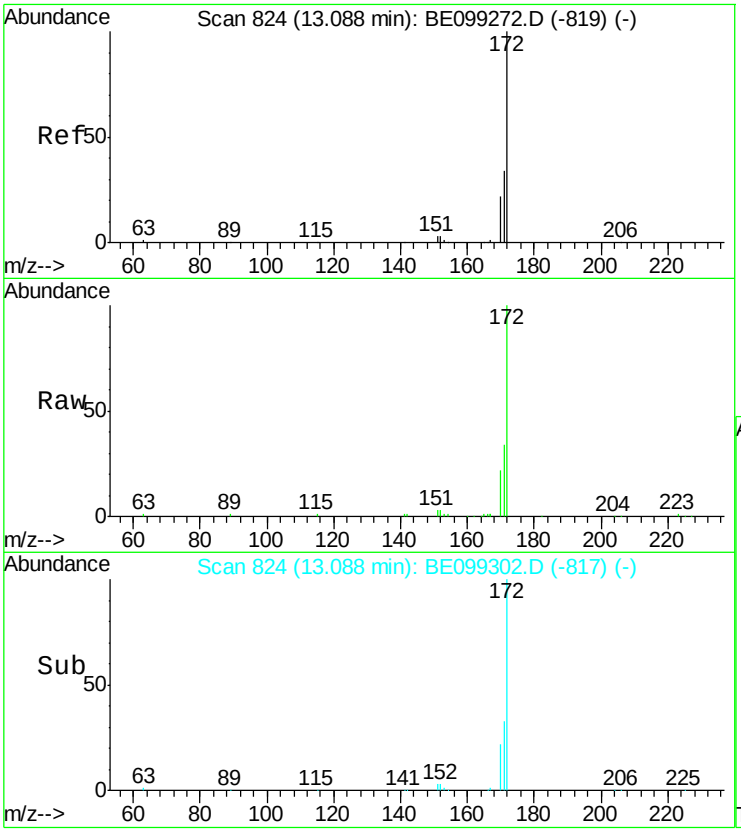


#14
2,4,6-Tribromophenol
Concen: 0.392 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:330 Resp: 1684

Ion	Ratio	Lower	Upper
330	100		
332	103.2	82.0	123.0
141	31.7	25.4	38.2



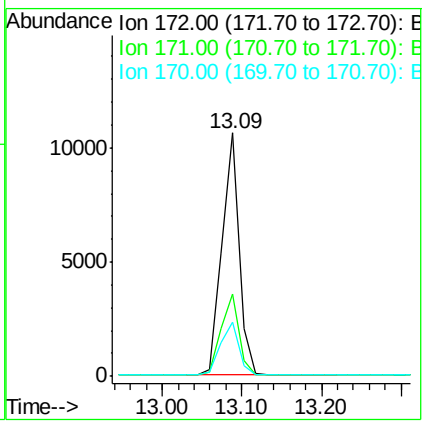


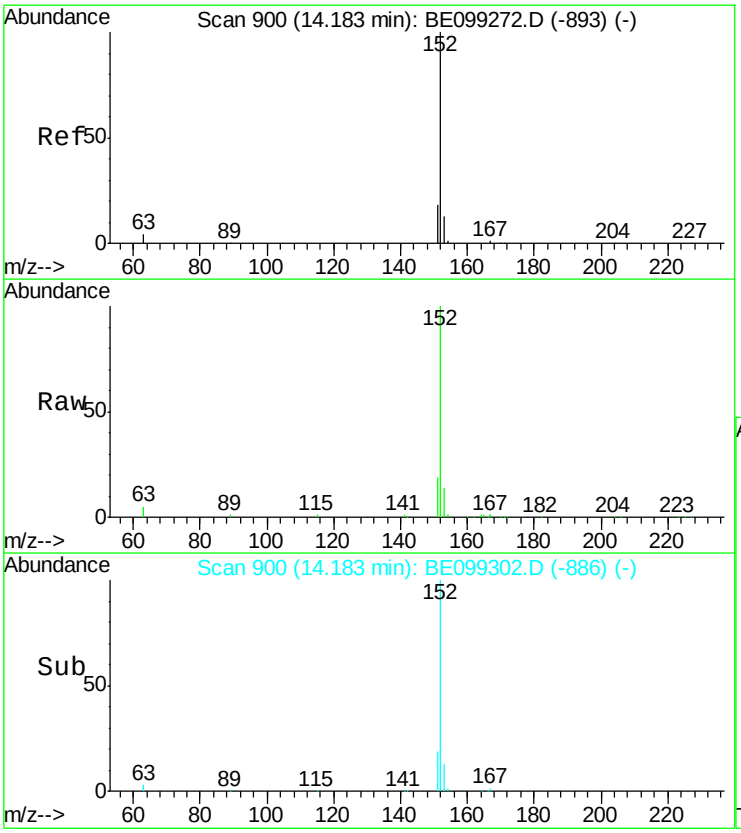
#15
2-Fluorobiphenyl
Concen: 0.436 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 15966

Ion	Ratio	Lower	Upper
172	100		
171	33.7	27.0	40.4
170	22.2	17.8	26.6

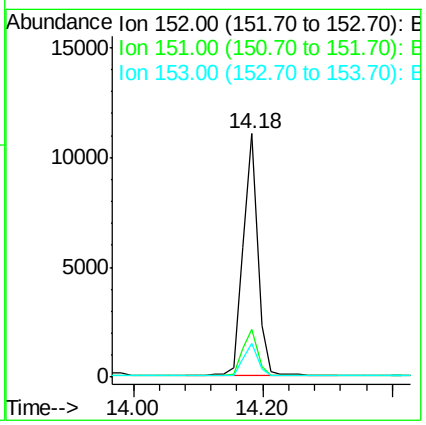


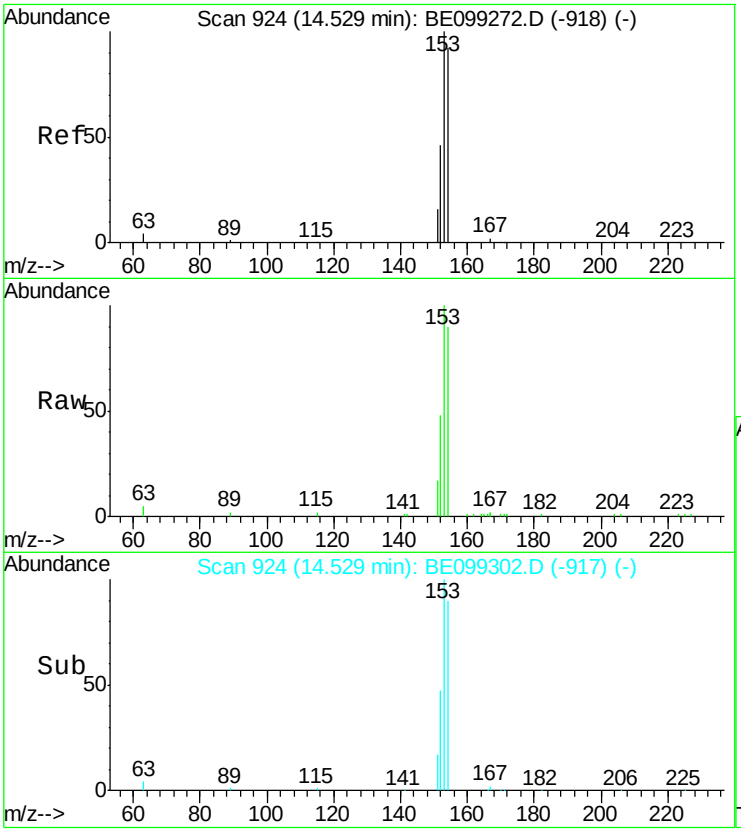


#16
Acenaphthylene
Concen: 0.396 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:152 Resp: 17482

Ion	Ratio	Lower	Upper
152	100		
151	19.1	15.3	22.9
153	13.5	10.8	16.2



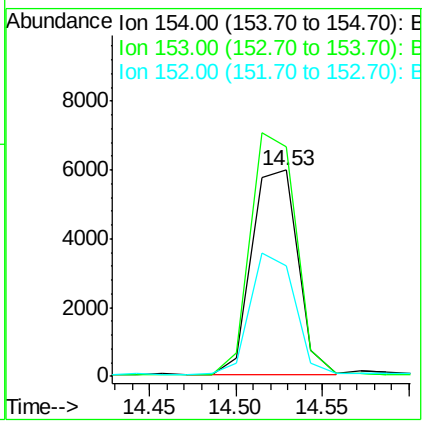


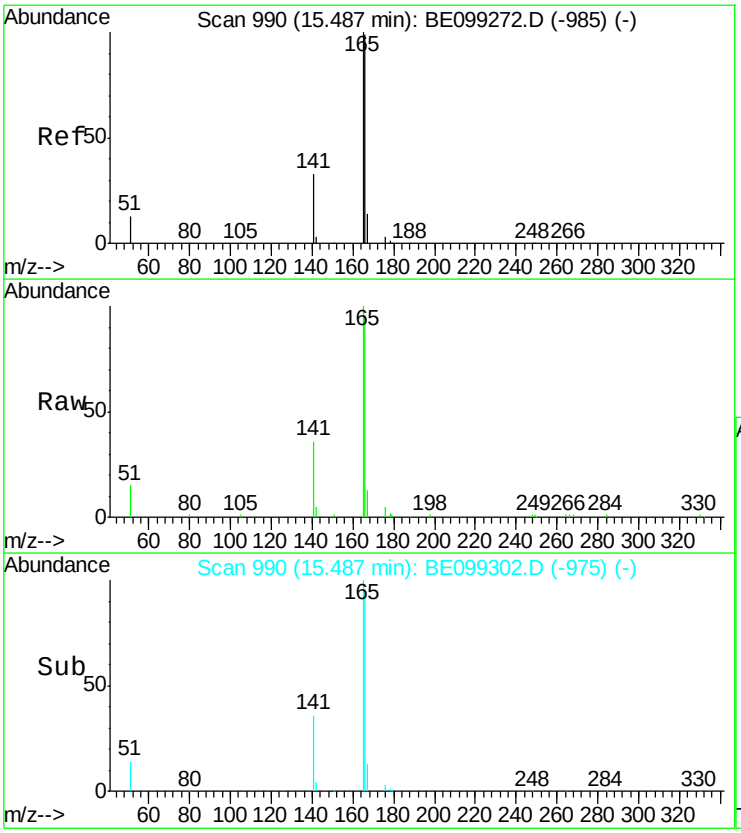
#17
Acenaphthene
Concen: 0.426 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 11108

Ion	Ratio	Lower	Upper
154	100		
153	116.5	93.3	139.9
152	57.3	45.6	68.4

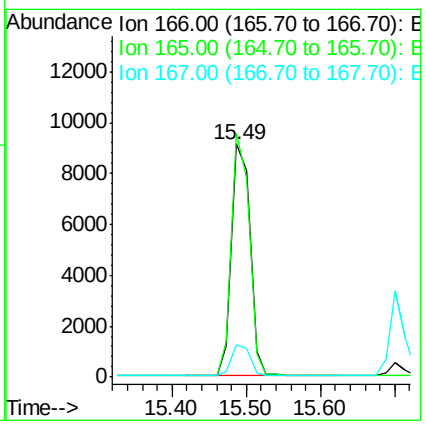


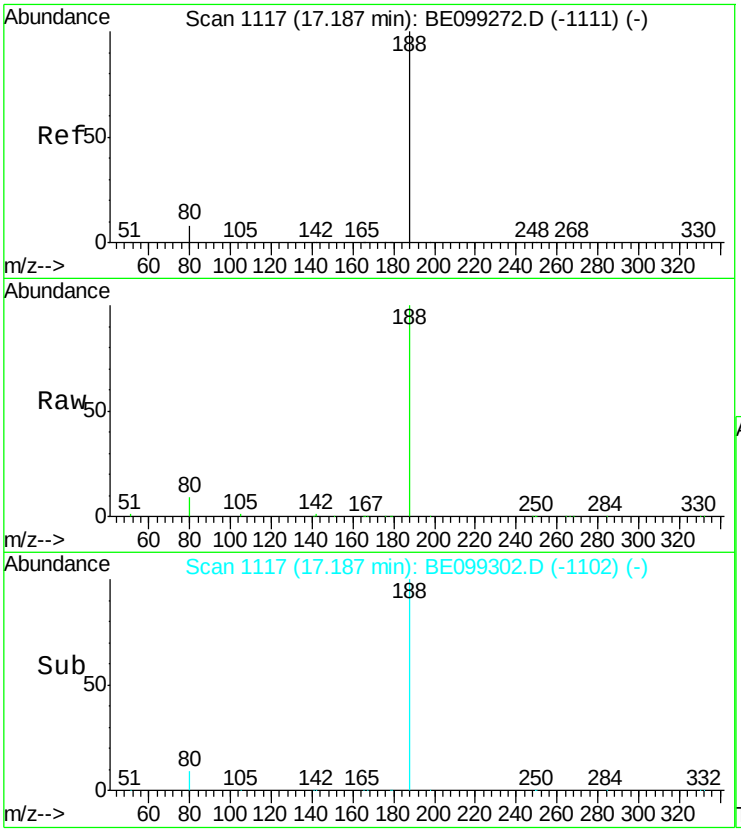


#18
Fluorene
Concen: 0.418 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:166 Resp: 15735

Ion	Ratio	Lower	Upper
166	100		
165	100.7	80.6	120.8
167	13.4	10.7	16.1



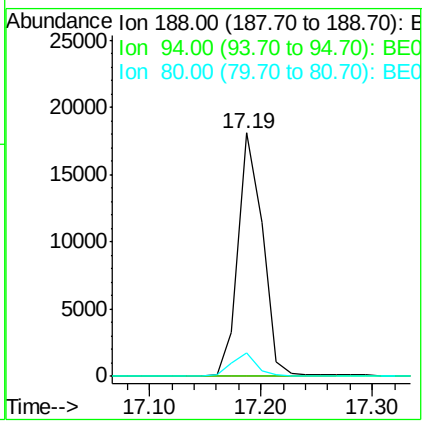


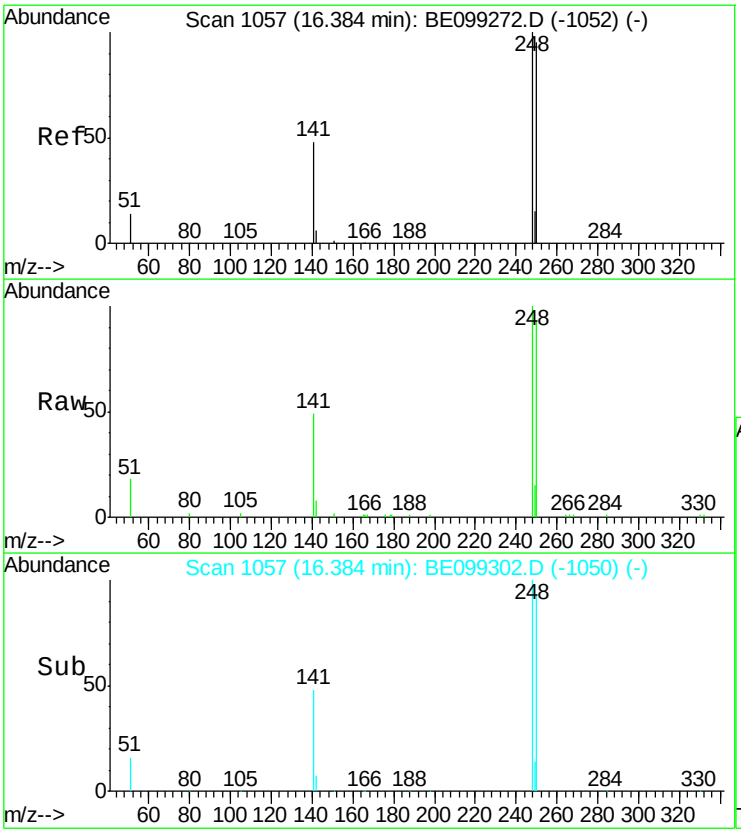
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 27492

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.4	7.5	11.3

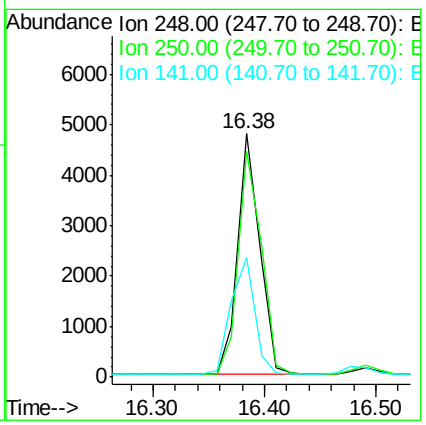


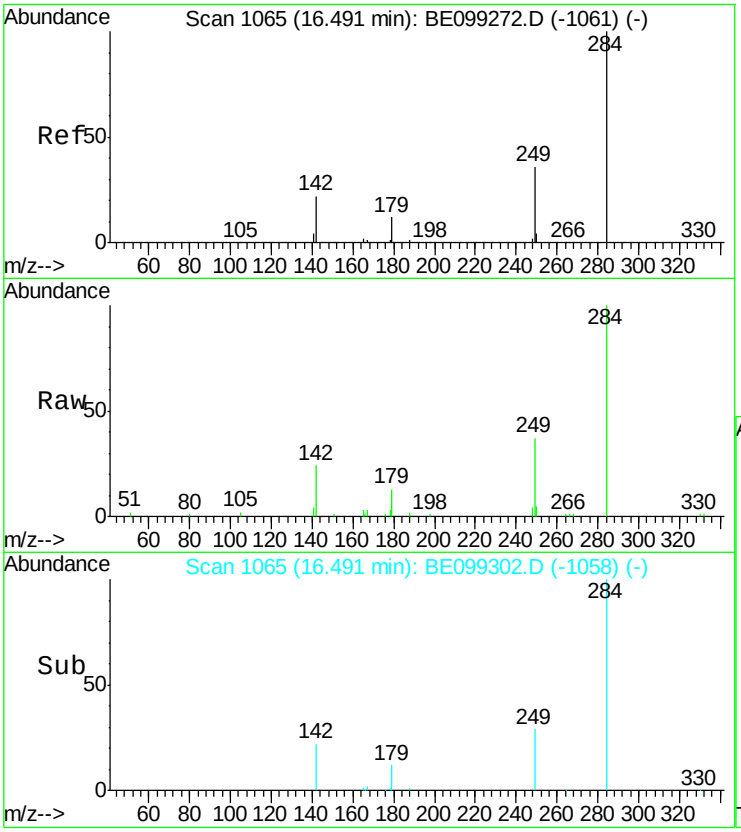


#20
4-Bromophenyl-phenylether
Concen: 0.421 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:248 Resp: 6572

Ion	Ratio	Lower	Upper
248	100		
250	92.9	74.3	111.5
141	48.9	39.1	58.7



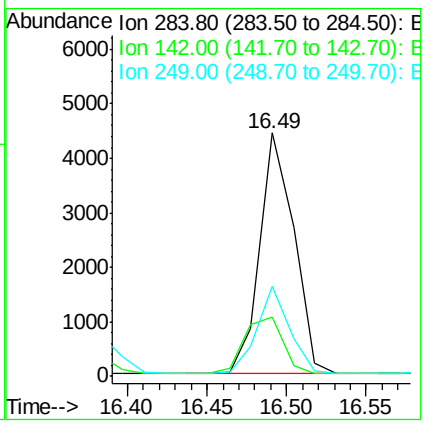


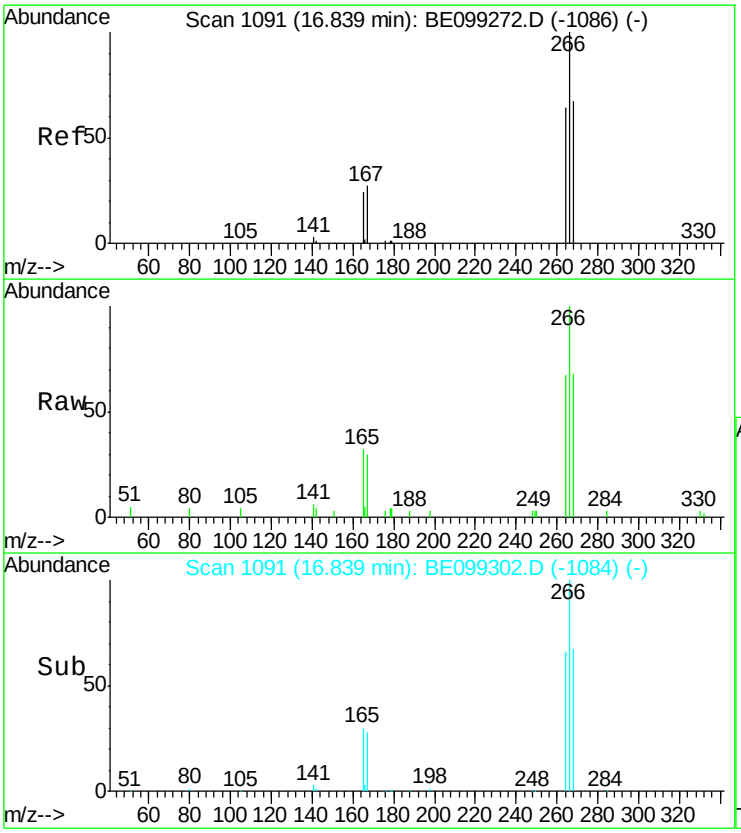
#21
Hexachlorobenzene
Concen: 0.440 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 6539

Ion	Ratio	Lower	Upper
284	100		
142	26.5	21.2	31.8
249	34.3	27.4	41.2

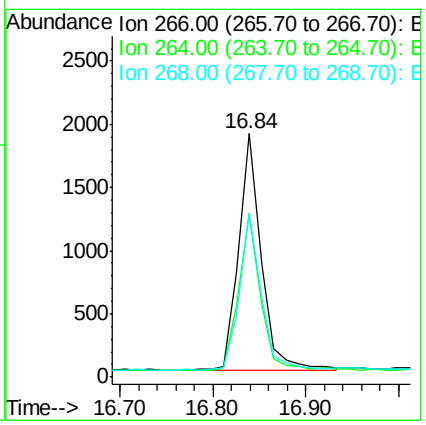


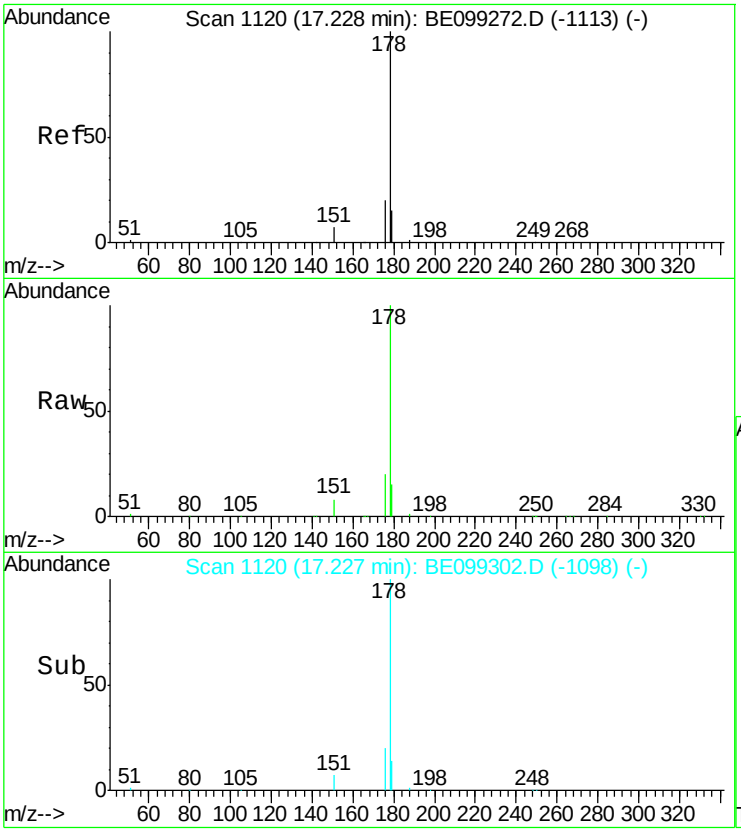


#22
Pentachlorophenol
Concen: 0.506 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:266 Resp: 3120

Ion	Ratio	Lower	Upper
266	100		
264	67.0	53.6	80.4
268	67.7	54.2	81.2



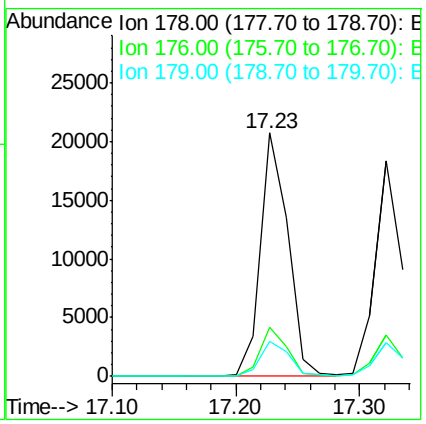


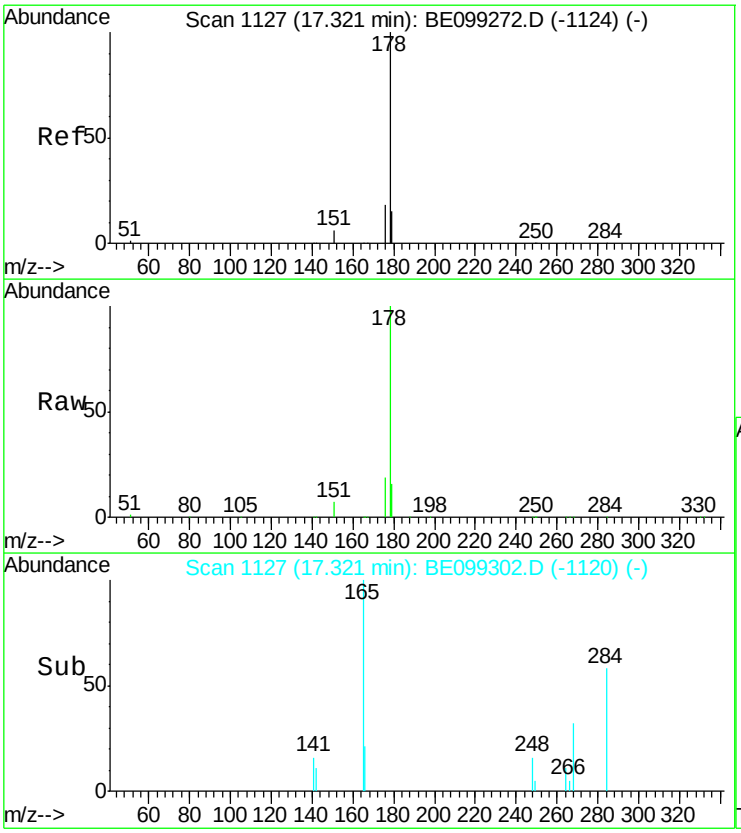
#23
Phenanthrene
Concen: 0.445 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 31665

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.0
179	14.8	11.8	17.8

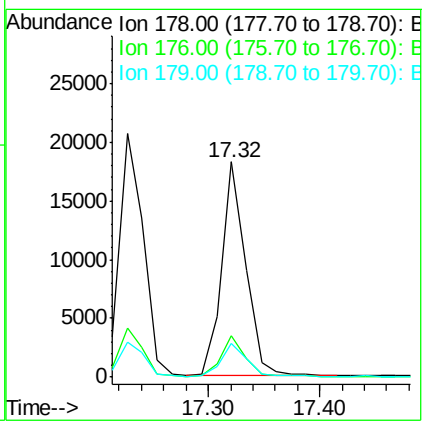


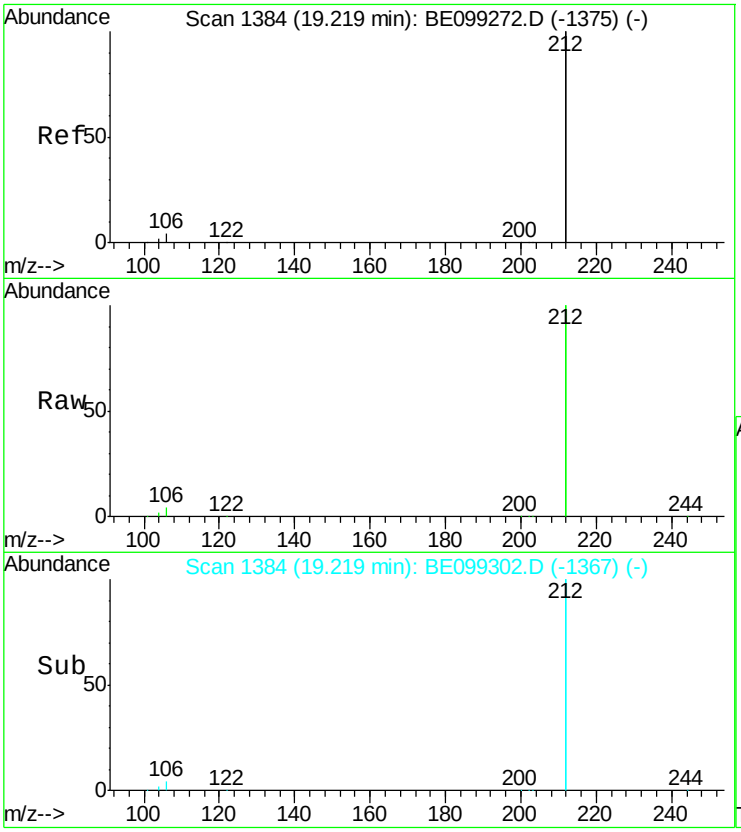


#24
Anthracene
Concen: 0.407 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:178 Resp: 27326

Ion	Ratio	Lower	Upper
178	100		
176	18.4	14.6	22.0
179	15.4	12.3	18.5



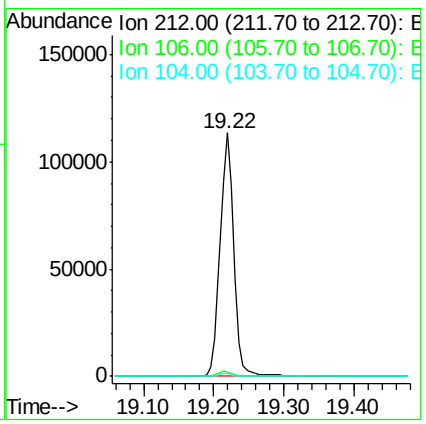


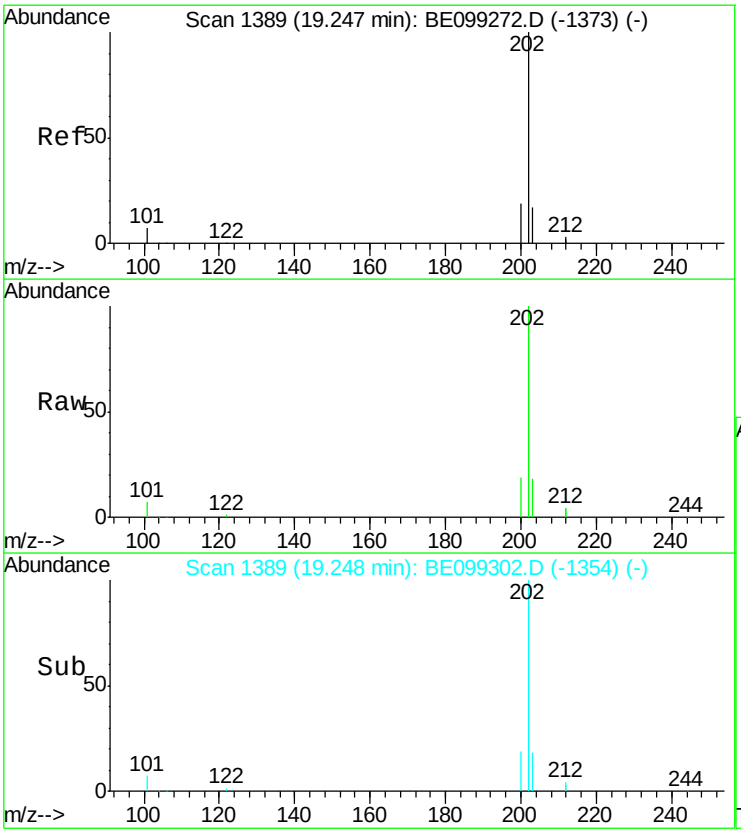
#25
Fluoranthene-d10
Concen: 0.418 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 151792

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

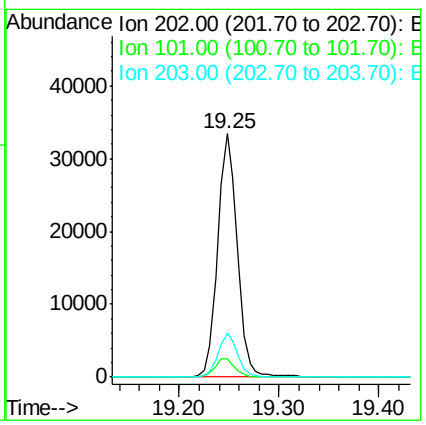


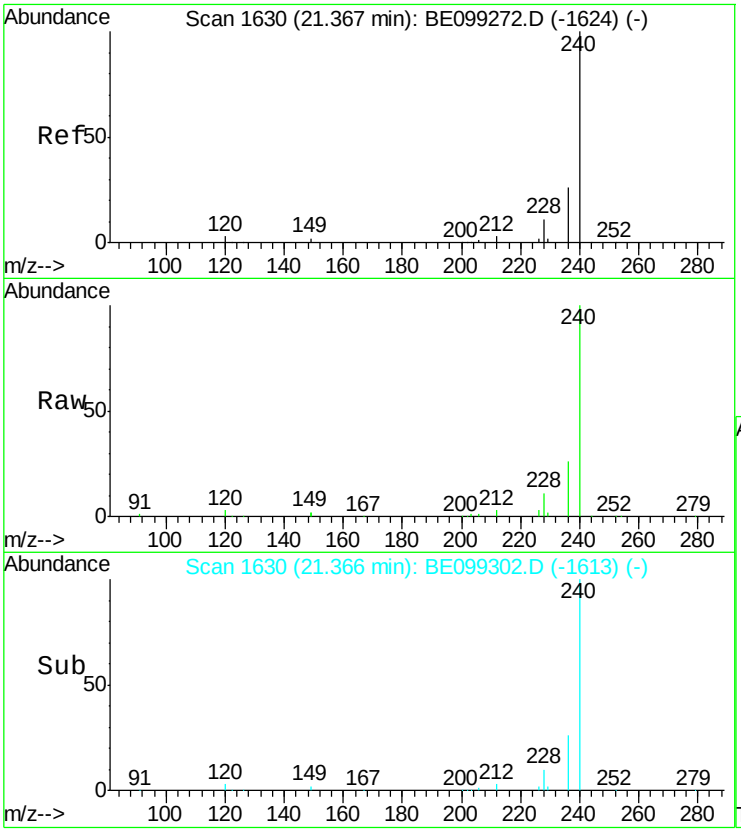


#26
Fluoranthene
Concen: 0.427 ng
RT: 19.25 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:202 Resp: 44796

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



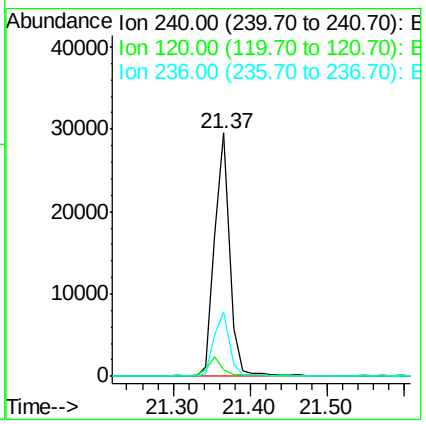


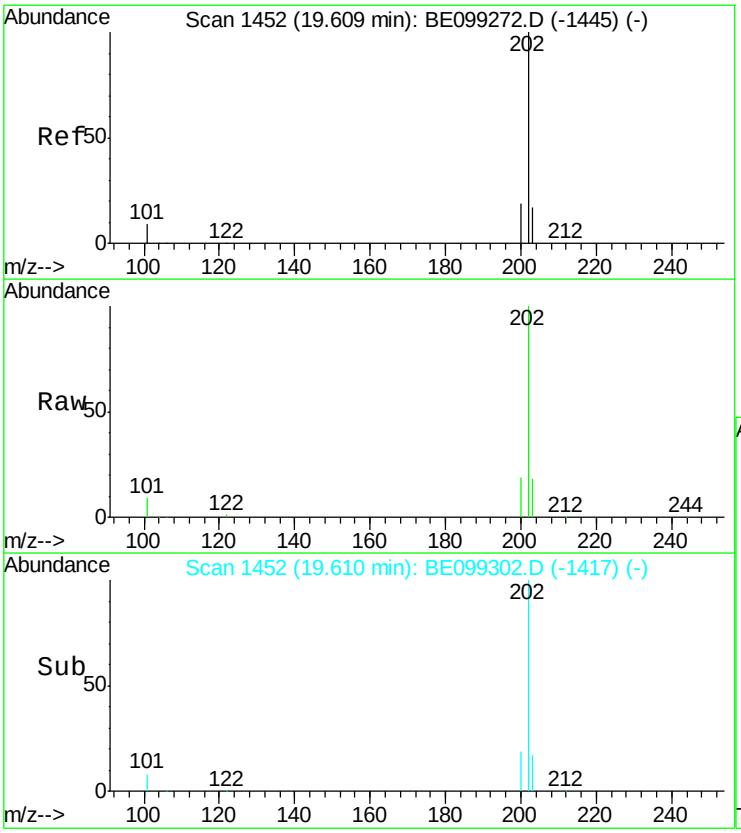
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 40238

Ion	Ratio	Lower	Upper
240	100		
120	2.9	2.3	3.5
236	26.3	21.0	31.6

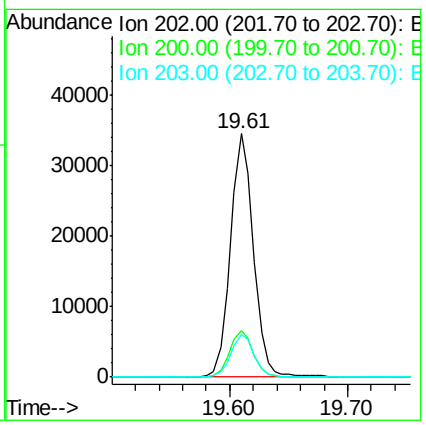


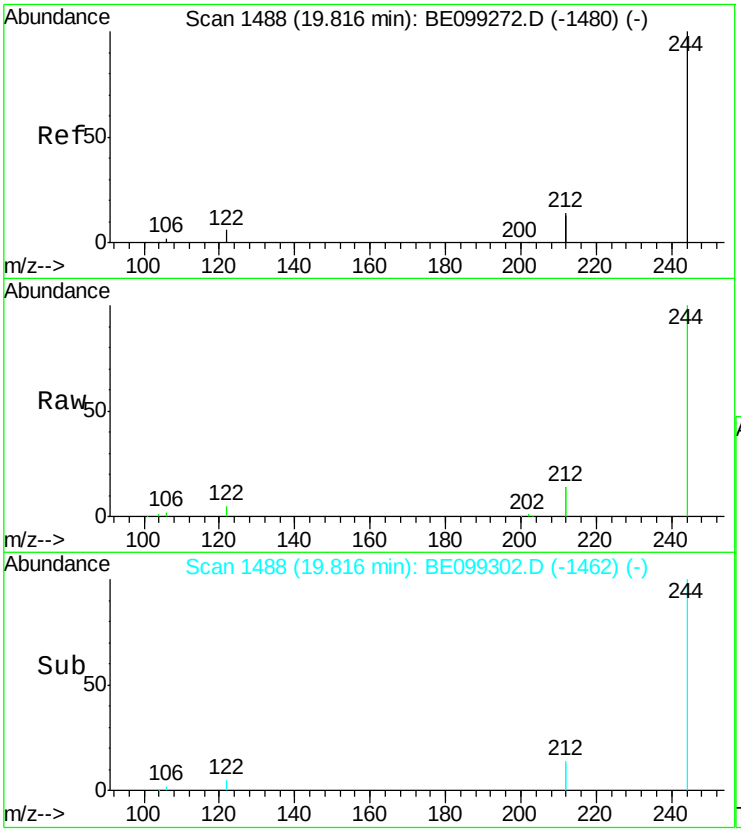


#28
Pyrene
Concen: 0.434 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:202 Resp: 46115

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.5	23.3
203	17.5	14.0	21.0



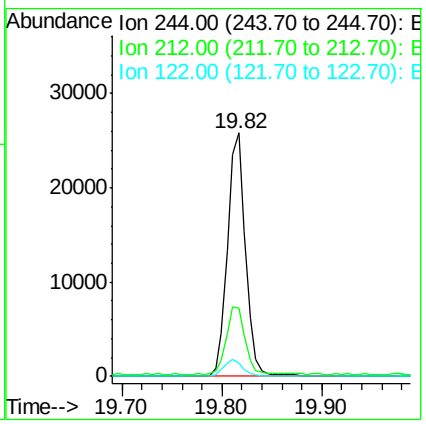


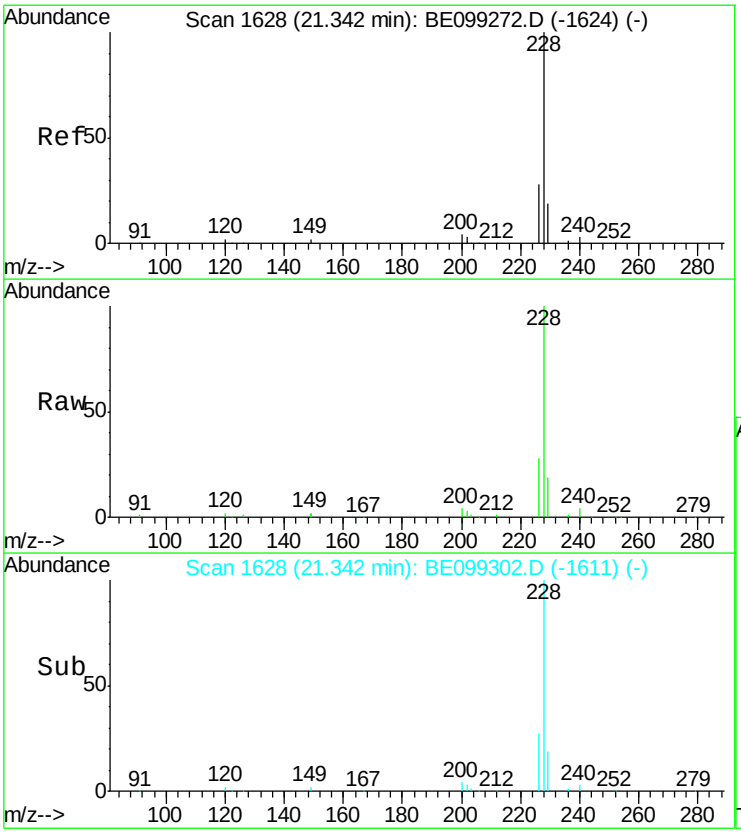
#29
Terphenyl-d14
Concen: 0.436 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 31992

Ion	Ratio	Lower	Upper
244	100		
212	28.0	22.4	33.6
122	5.5	4.4	6.6

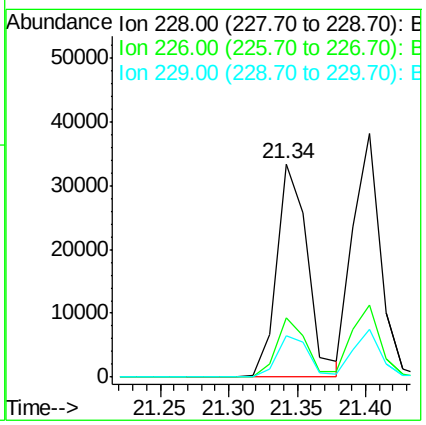


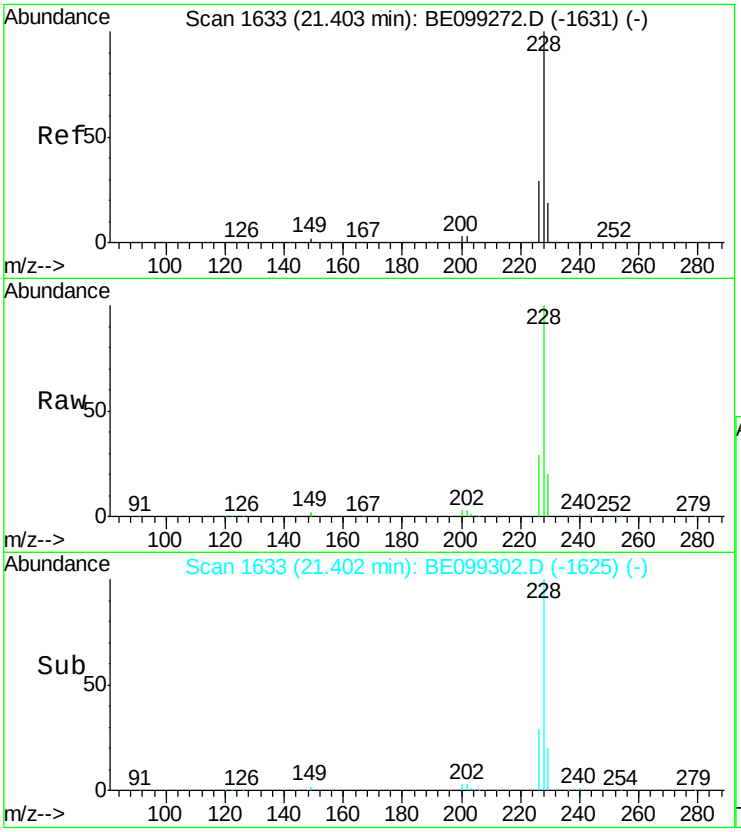


#30
Benzo(a)anthracene
Concen: 0.409 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:228 Resp: 51823

Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	19.2	15.4	23.0



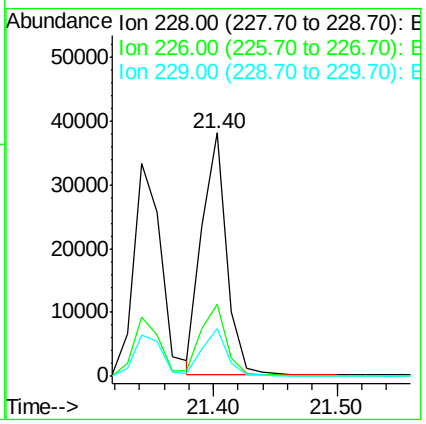


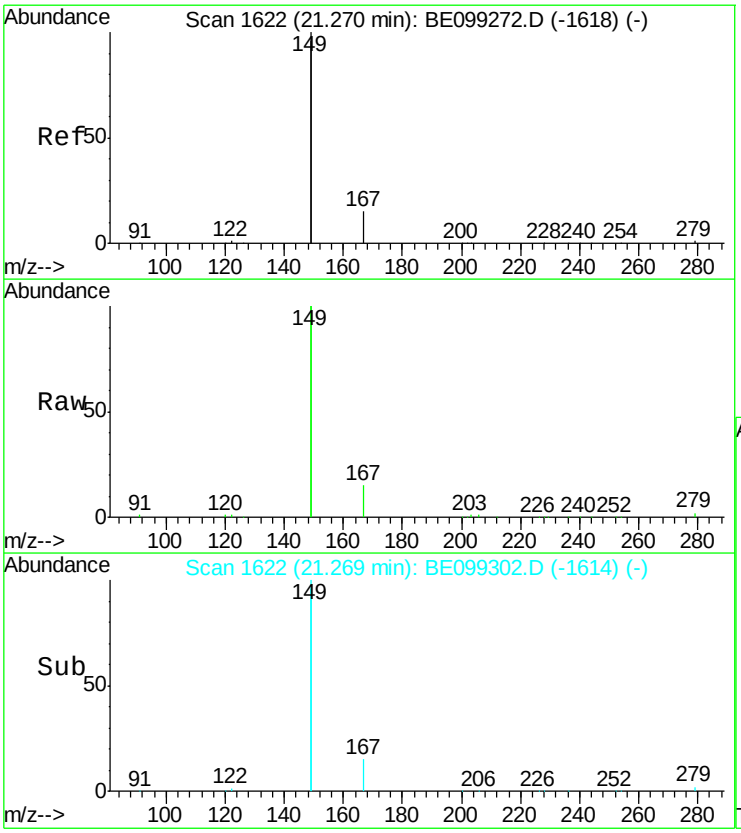
#31
Chrysene
Concen: 0.427 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 53004

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.6	35.4
229	19.8	15.8	23.8

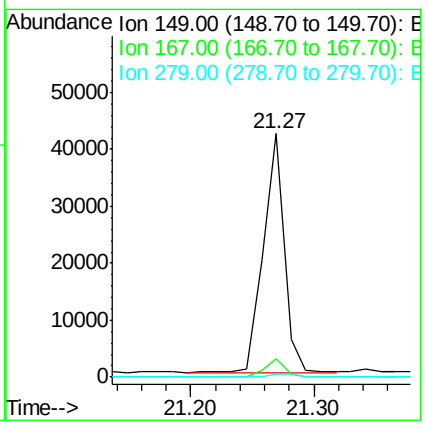


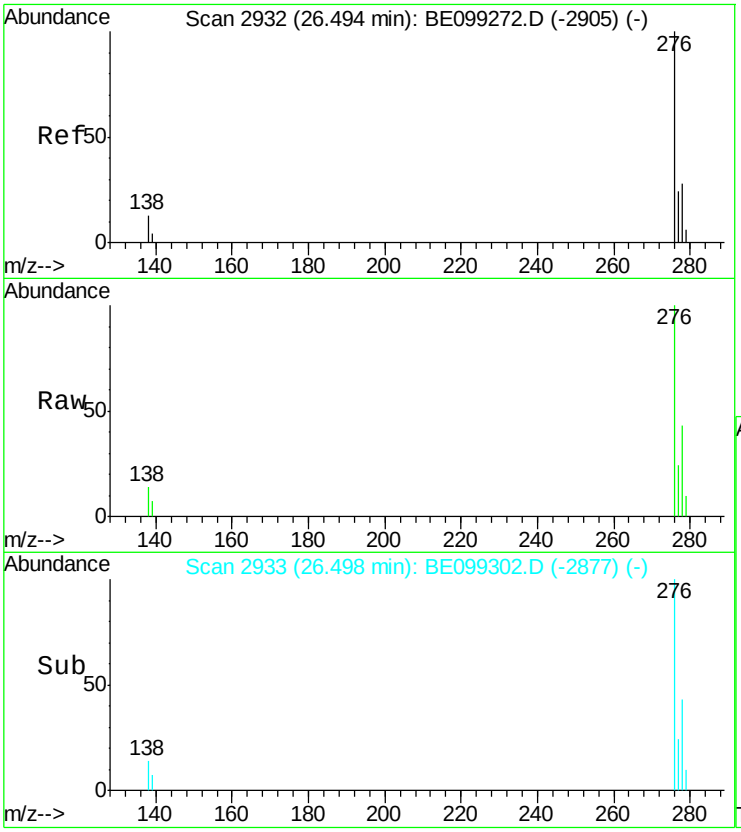


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.308 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:149 Resp: 49796

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



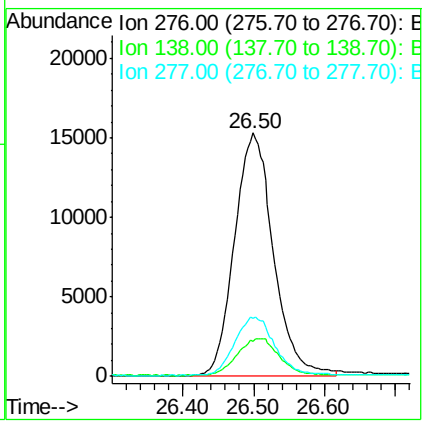


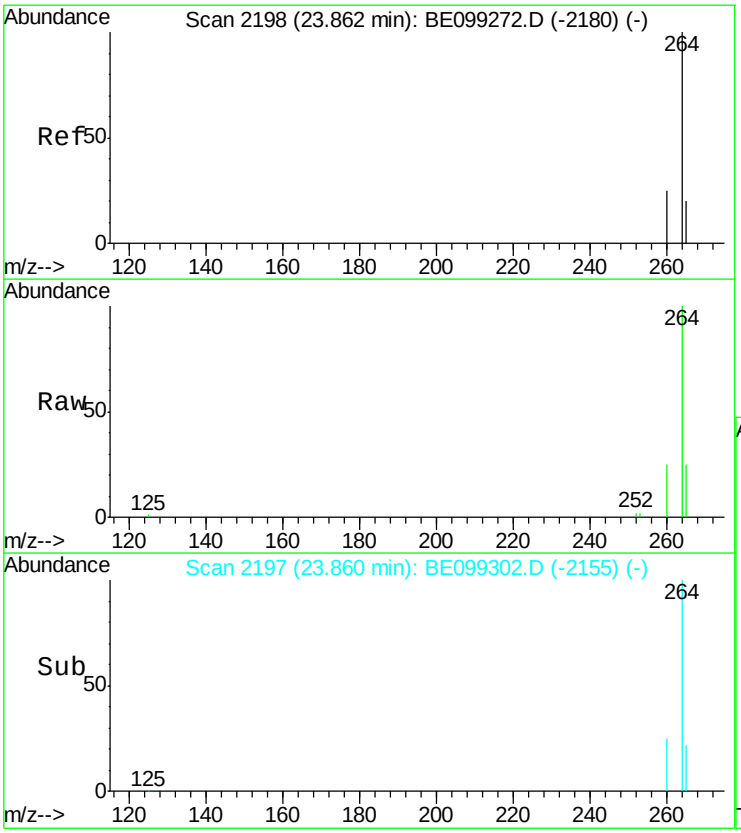
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.412 ng
RT: 26.50 min Scan# 2933
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 58461

Ion	Ratio	Lower	Upper
276	100		
138	16.6	13.3	19.9
277	24.8	19.8	29.8

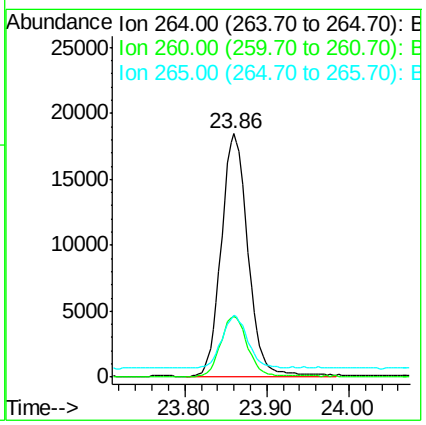


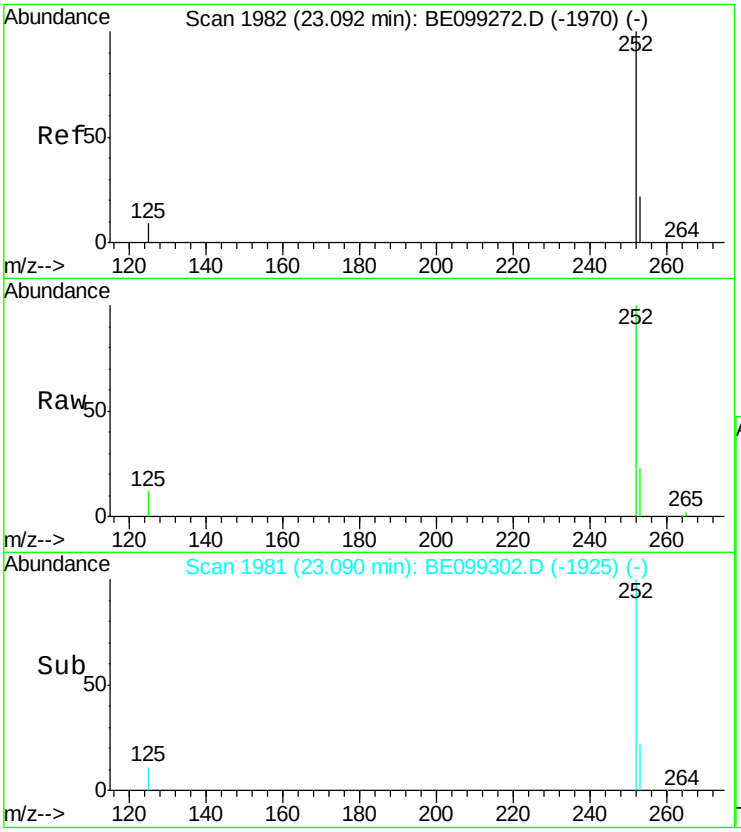


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:264 Resp: 41557

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.9	29.9
265	25.4	20.3	30.5



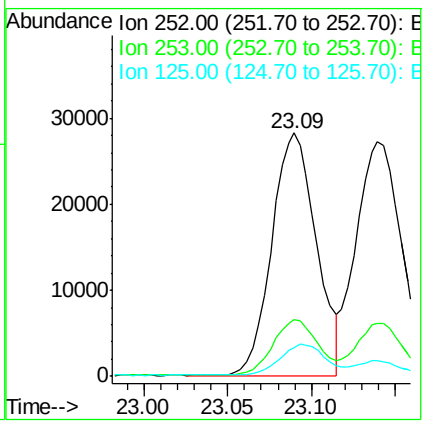


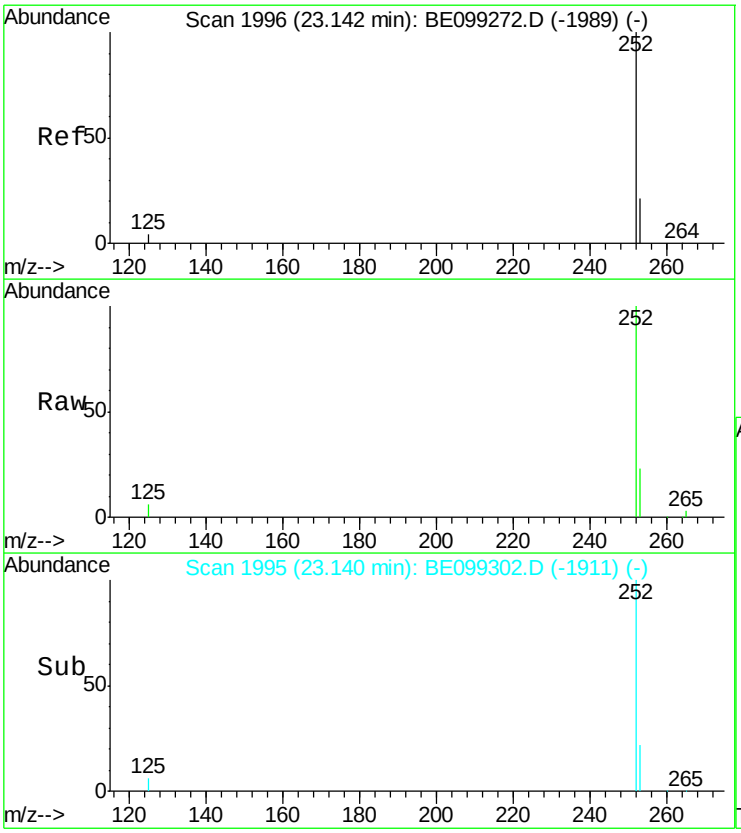
#35
Benzo(b)fluoranthene
Concen: 0.420 ng
RT: 23.09 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 52095

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.5	27.7
125	11.8	9.4	14.2

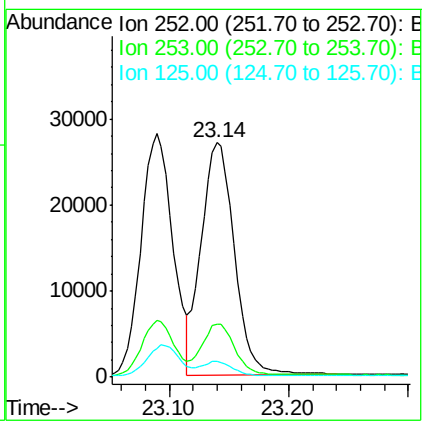


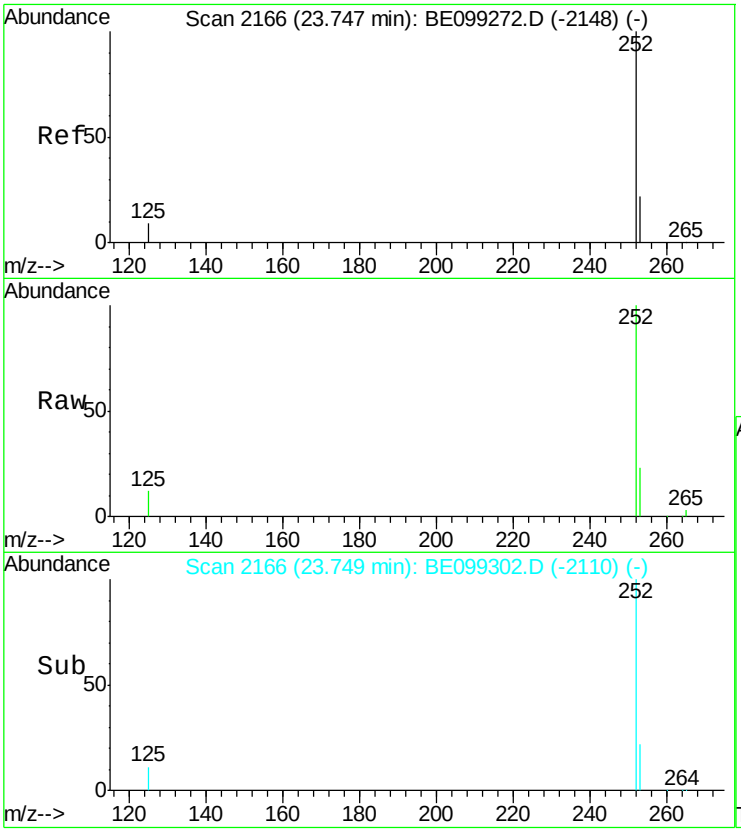


#36
Benzo(k)fluoranthene
Concen: 0.429 ng
RT: 23.14 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:252 Resp: 51827

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	6.5	5.2	7.8



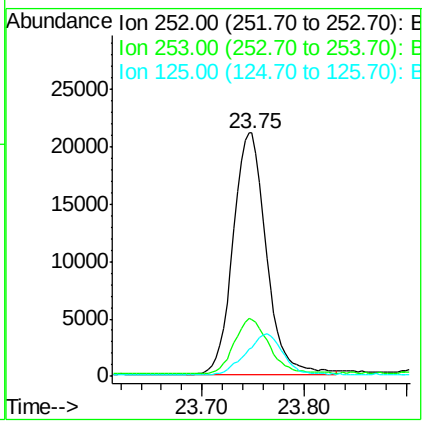


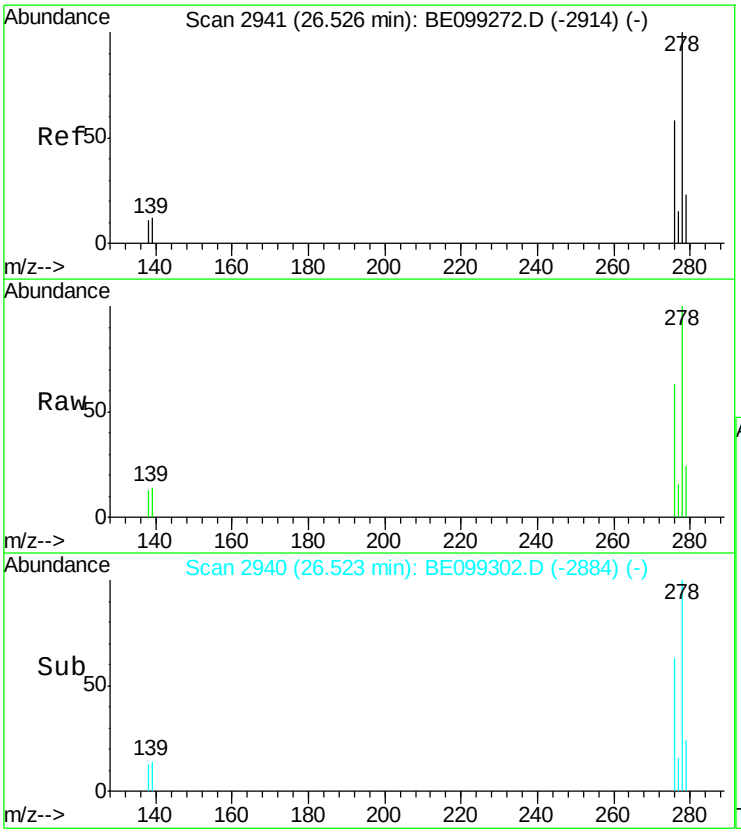
#37
Benzo(a)pyrene
Concen: 0.410 ng
RT: 23.75 min Scan# 2166
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 47734

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.6	28.0
125	11.9	9.5	14.3

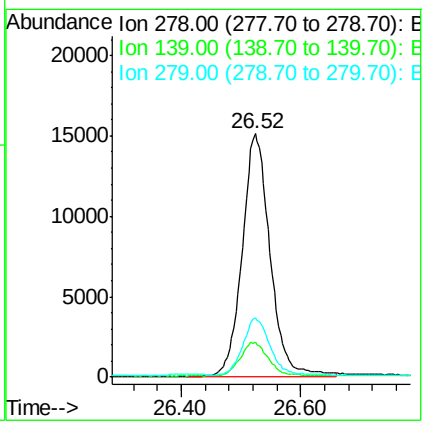


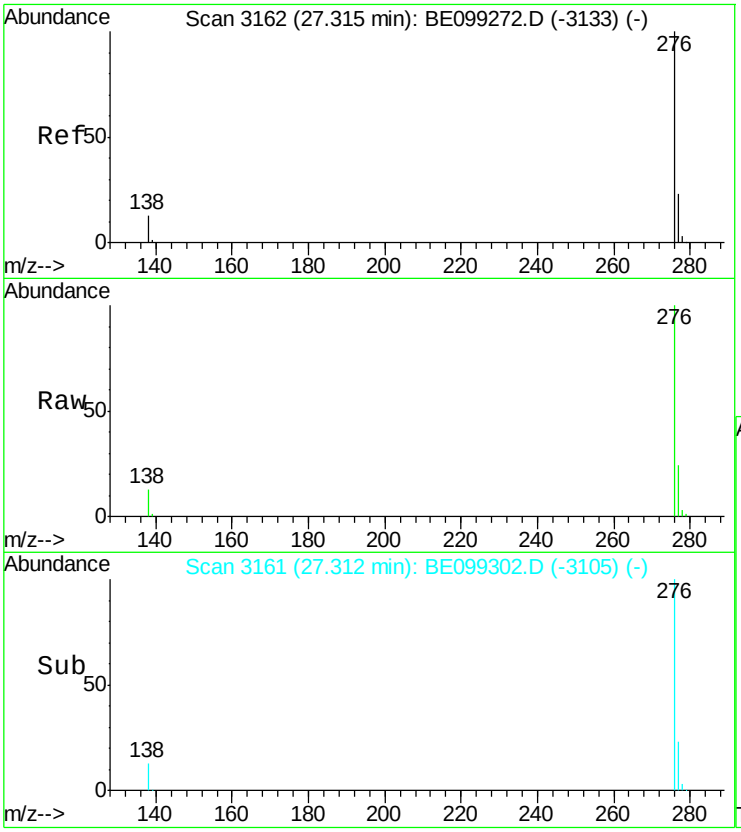


#38
Dibenzo(a,h)anthracene
Concen: 0.420 ng
RT: 26.52 min Scan# 2940
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Tgt Ion:278 Resp: 48727

Ion	Ratio	Lower	Upper
278	100		
139	14.1	11.3	16.9
279	24.3	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.414 ng
RT: 27.31 min Scan# 3161
Delta R.T. 0.00 min
Lab File: BE099302.D
Acq: 5 Apr 2019 10:18

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 47850

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	13.4	10.7	16.1