Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041219\
Data File : BE099309.D
Acq On : 12 Apr 2019 14:01
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Apr 12 17:55:14 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 12 17:51:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	4031	0.40	ng		0.00
7) Naphthalene-d8	10.61	136	15596	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	10820	0.40	ng		0.00
19) Phenanthrene-d10	17.19	188	33097	0.40	ng		0.00
27) Chrysene-d12	21.37	240	45442	0.40	ng		0.00
34) Perylene-d12	23.86	264	46203	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.38	112	3938	0.37	ng		0.00
5) Phenol-d6	6.97	99	5827	0.40	ng		0.00
8) Nitrobenzene-d5	8.96	82	4201	0.39	ng		0.00
11) 2-Methylnaphthalene-d10	12.19	152	11492	0.42	ng		0.00
14) 2,4,6-Tribromophenol	15.94	330	1552	0.31	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	18467	0.43	ng		0.00
25) Fluoranthene-d10	19.22	212	175506	0.40	ng		0.00
29) Terphenyl-d14	19.82	244	36041	0.43	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	2290	0.417	ng		100
3) n-Nitrosodimethylamine	3.65	42	1138	0.351	ng	#	87
6) bis(2-Chloroethyl)ether	7.24	93	5851	0.443	ng		100
9) Naphthalene	10.65	128	71864	0.424	ng		100
10) Hexachlorobutadiene	10.94	225	4590	0.416	ng		100
12) 2-Methylnaphthalene	12.28	142	12645	0.438	ng		100
16) Acenaphthylene	14.18	152	19745	0.385	ng		100
17) Acenaphthene	14.53	154	12795	0.423	ng		99
18) Fluorene	15.49	166	18247	0.418	ng		100
20) 4-Bromophenyl-phenylether	16.39	248	7370	0.392	ng		100
21) Hexachlorobenzene	16.49	284	7092	0.397	ng		100
22) Pentachlorophenol	16.84	266	2937	0.395	ng		100
23) Phenanthrene	17.23	178	36669	0.428	ng		100
24) Anthracene	17.32	178	32442	0.402	ng		100
26) Fluoranthene	19.25	202	52218	0.413	ng		100
28) Pyrene	19.61	202	53650	0.447	ng		100
30) Benzo(a)anthracene	21.34	228	57409	0.401	ng		100
31) Chrysene	21.40	228	59039	0.421	ng		100
32) Bis(2-ethylhexyl)phthalate	21.27	149	48616	0.267	ng		100
33) Indeno(1,2,3-cd)pyrene	26.49	276	63967	0.399	ng		100
35) Benzo(b)fluoranthene	23.09	252	57232	0.415	ng		100
36) Benzo(k)fluoranthene	23.14	252	58299	0.435	ng		100
37) Benzo(a)pyrene	23.74	252	53455	0.412	ng		100
38) Dibenzo(a,h)anthracene	26.52	278	52746	0.409	ng		100
39) Benzo(g,h,i)perylene	27.31	276	53130	0.414	ng		100

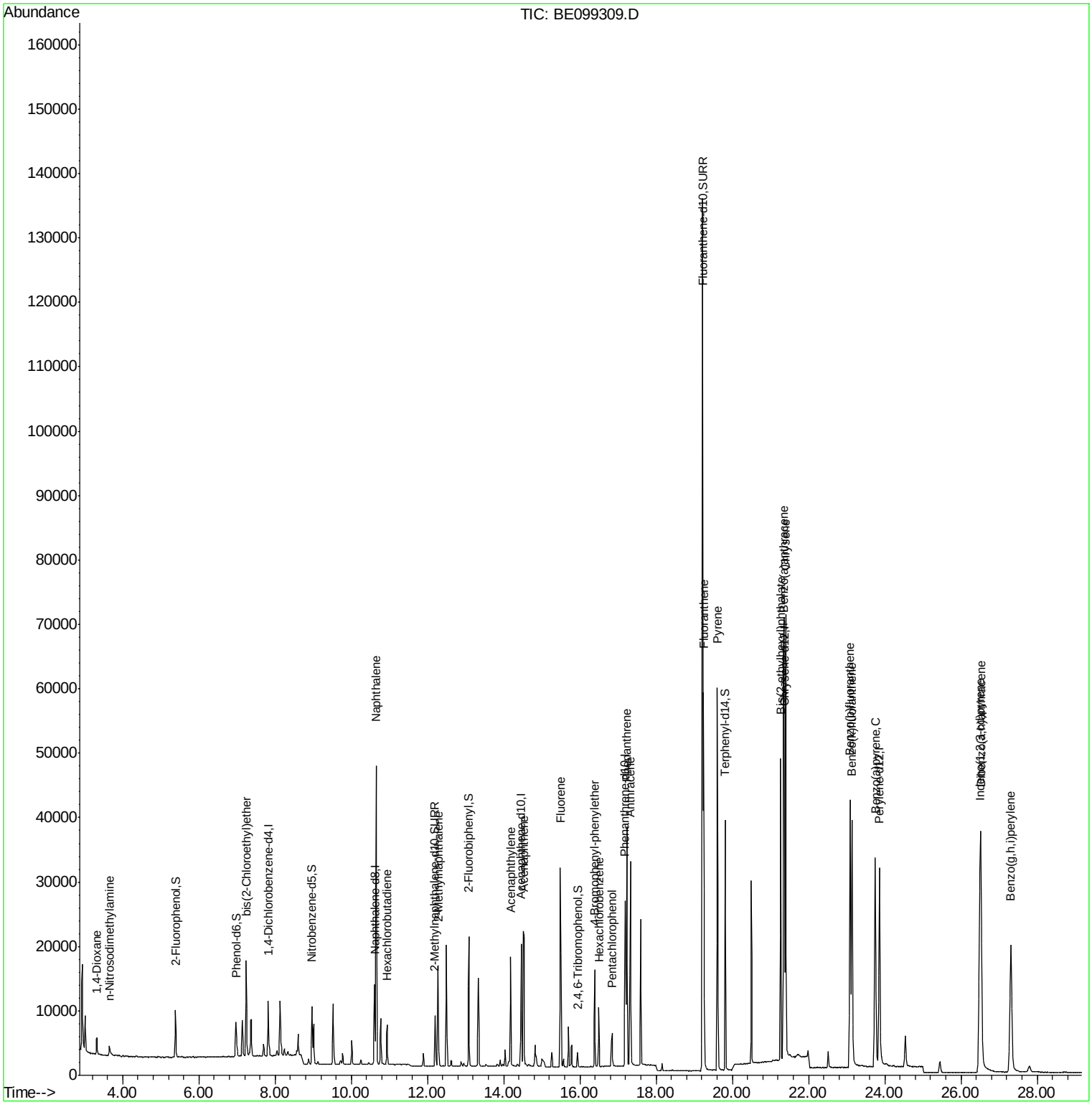
(#) = qualifier out of range (m) = manual integration (+) = signals summed

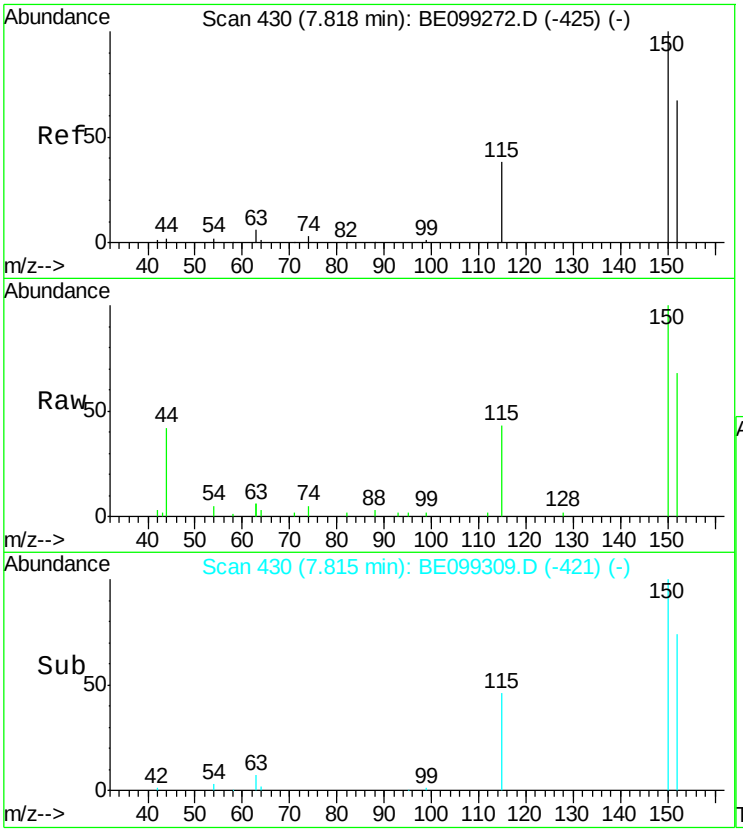
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE041219\
Data File : BE099309.D
Acq On : 12 Apr 2019 14:01
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Apr 12 17:55:14 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 12 17:51:18 2019
Response via : Initial Calibration



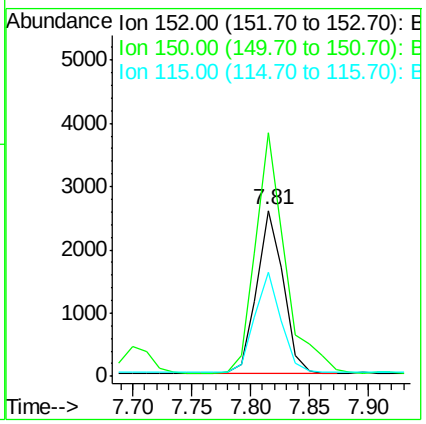


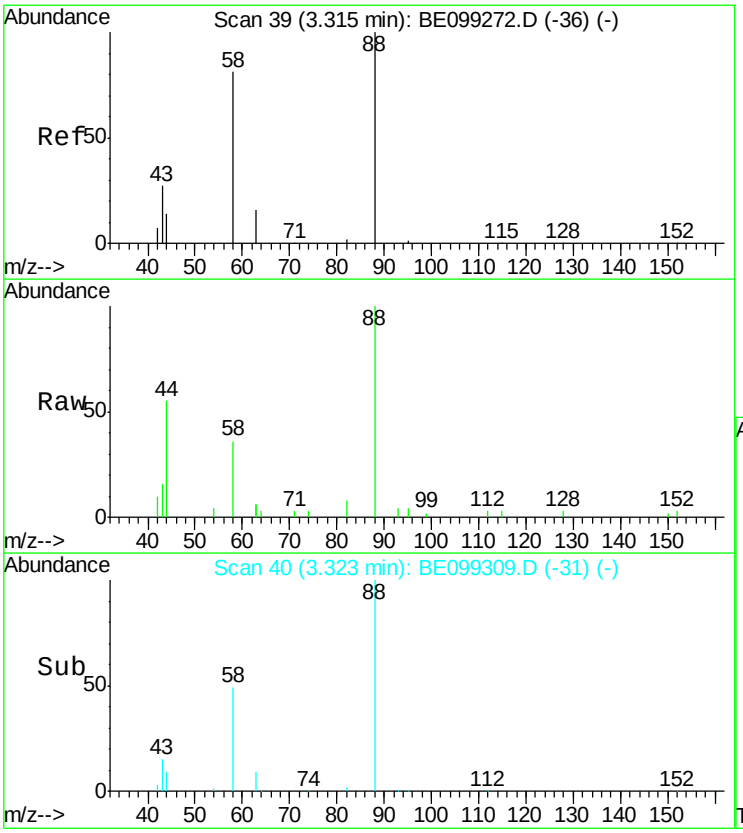
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.81 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 4031

Ion	Ratio	Lower	Upper
152	100		
150	146.6	117.3	175.9
115	62.8	50.2	75.4

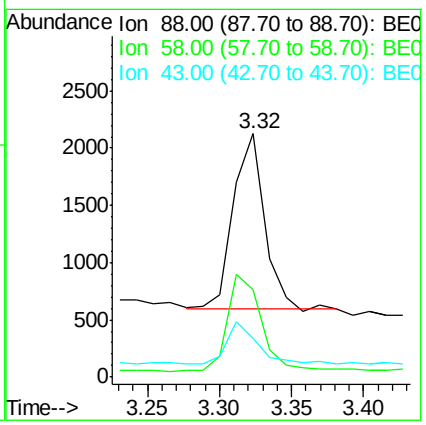


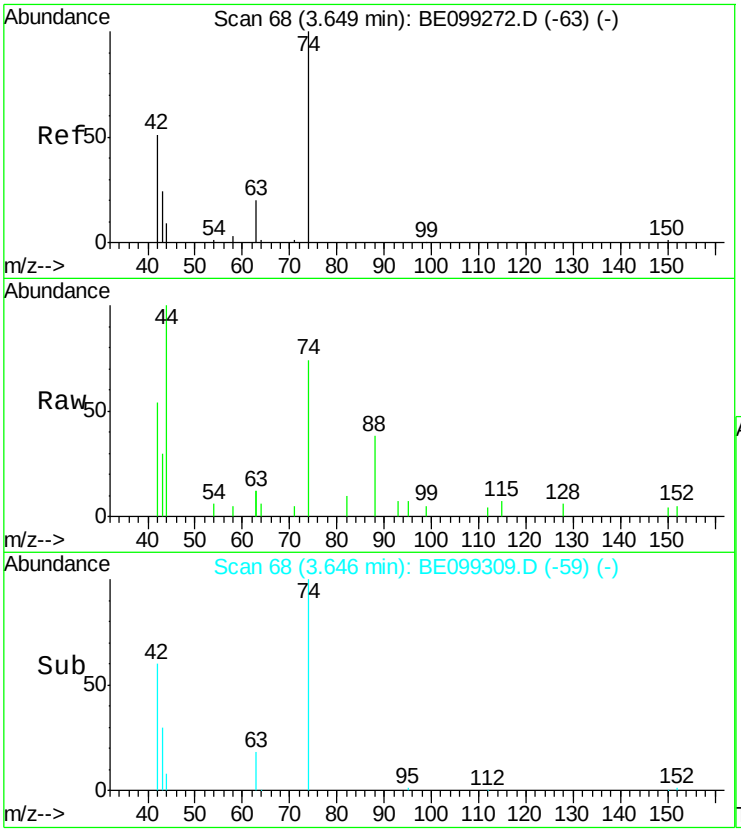


#2
1,4-Dioxane
Concen: 0.417 ng
RT: 3.32 min Scan# 40
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion: 88 Resp: 2290

Ion	Ratio	Lower	Upper
88	100		
58	60.0	48.0	72.0
43	23.2	18.6	27.8



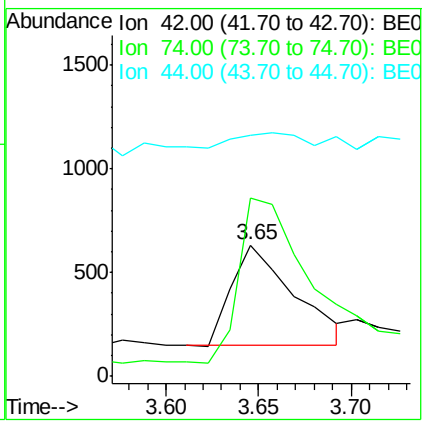


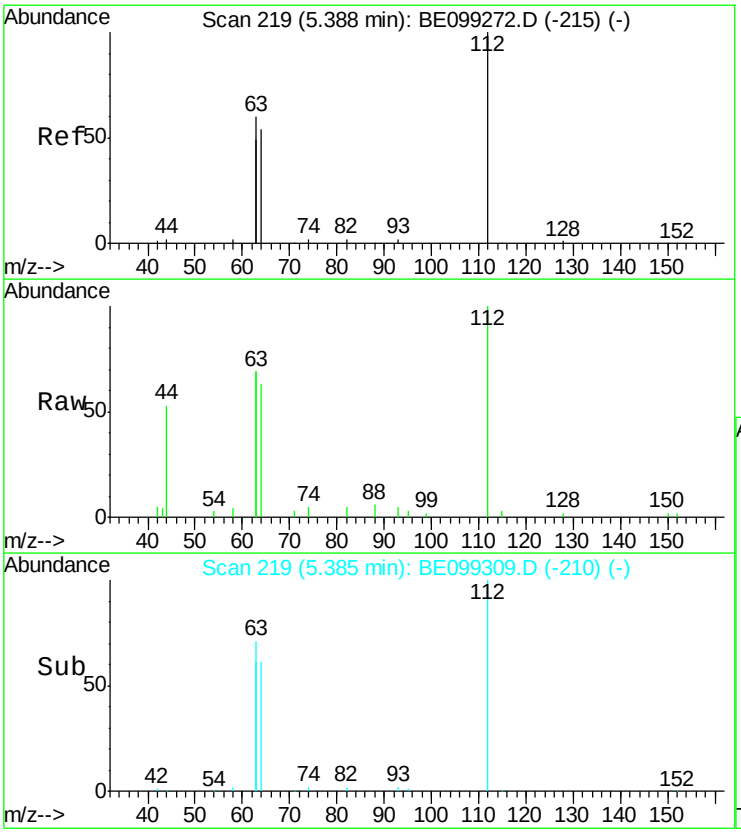
#3
n-Nitrosodimethylamine
Concen: 0.351 ng
RT: 3.65 min Scan# 68
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 1138

Ion	Ratio	Lower	Upper
42	100		
74	191.2	138.7	208.1
44	25.8	15.4	23.0#

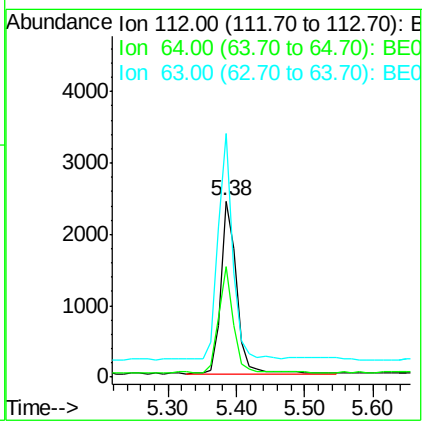


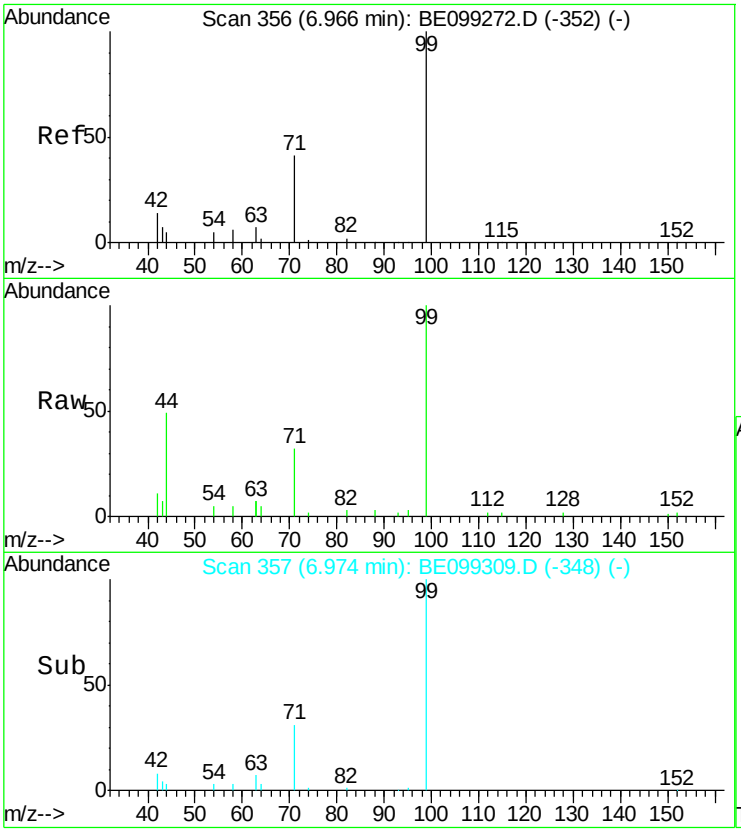


#4
2-Fluorophenol
Concen: 0.368 ng
RT: 5.38 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:112 Resp: 3938

Ion	Ratio	Lower	Upper
112	100		
64	56.7	45.4	68.0
63	121.6	97.3	145.9



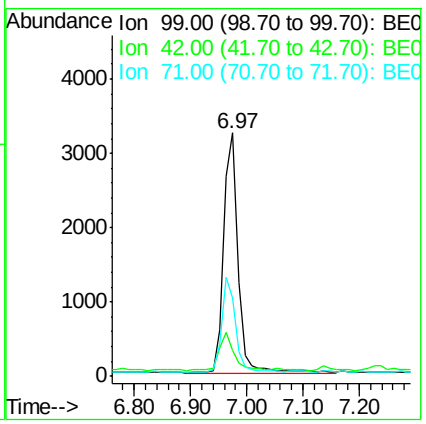


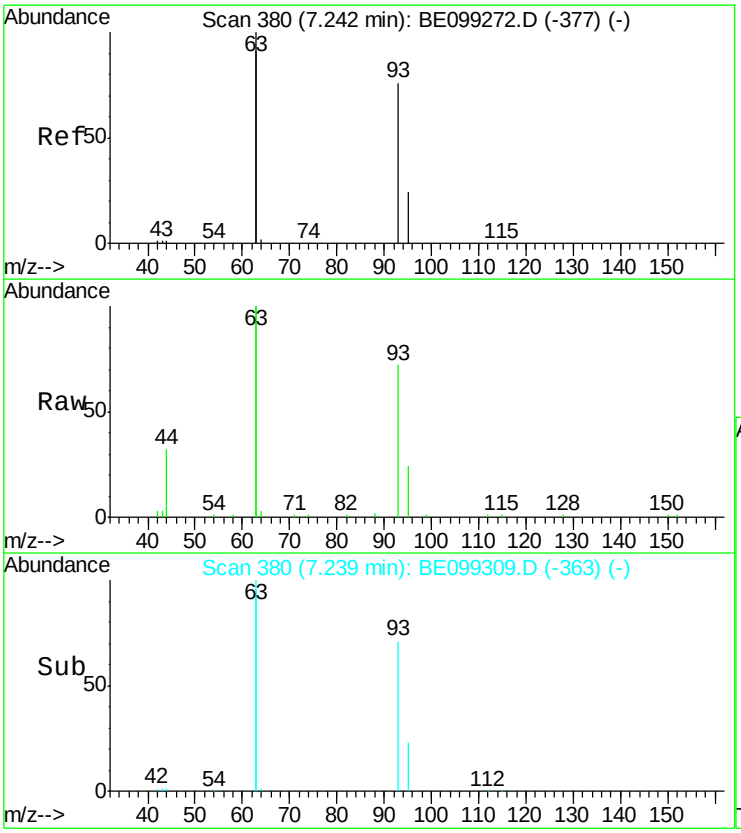
#5
Phenol-d6
Concen: 0.396 ng
RT: 6.97 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 5827

Ion	Ratio	Lower	Upper
99	100		
42	16.7	13.4	20.0
71	38.0	30.4	45.6

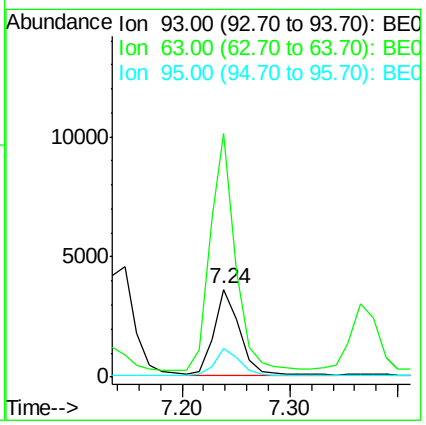


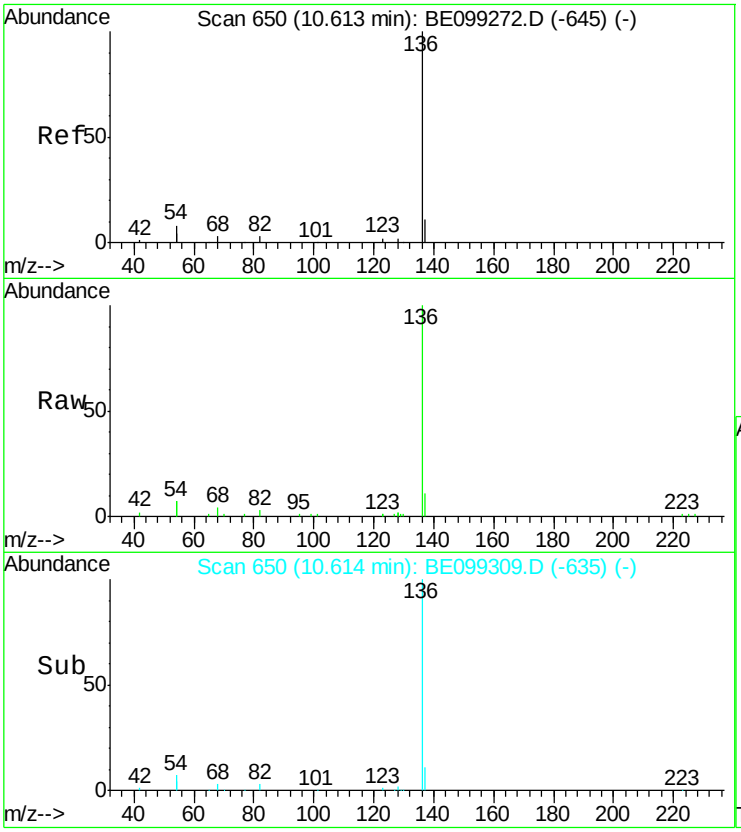


#6
bis(2-Chloroethyl)ether
Concen: 0.443 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion: 93 Resp: 5851

Ion	Ratio	Lower	Upper
93	100		
63	271.3	217.0	325.6
95	32.1	25.7	38.5



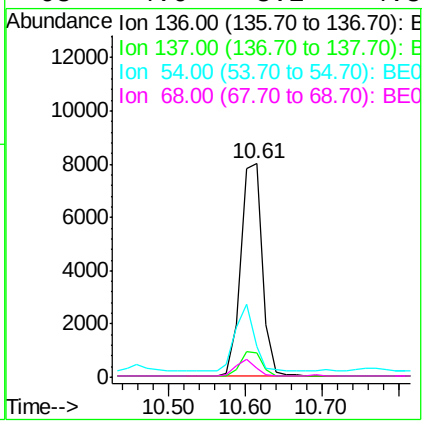


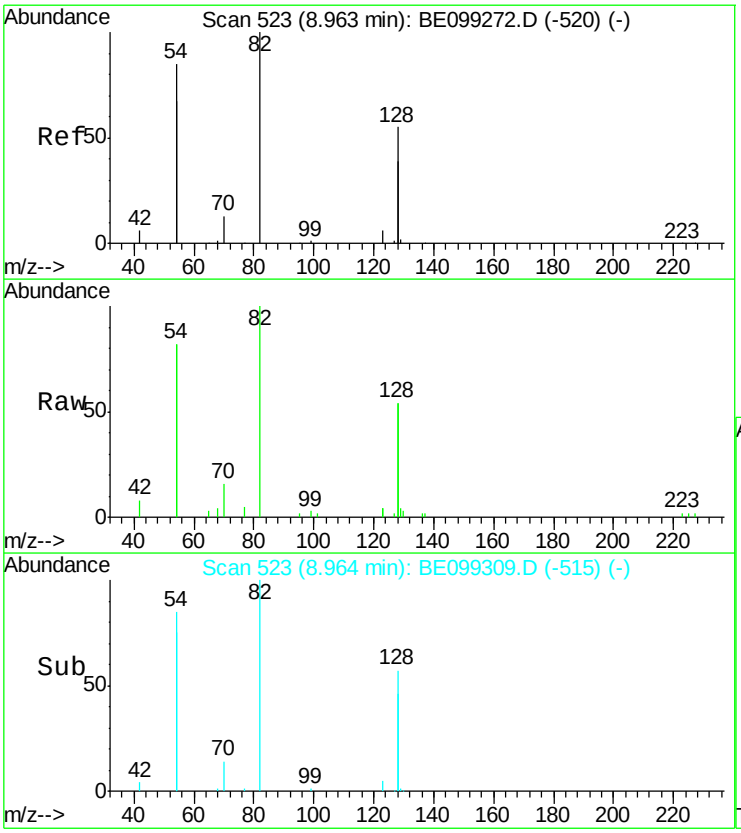
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 15596

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.2	13.8
54	14.2	11.4	17.0
68	4.0	3.2	4.8

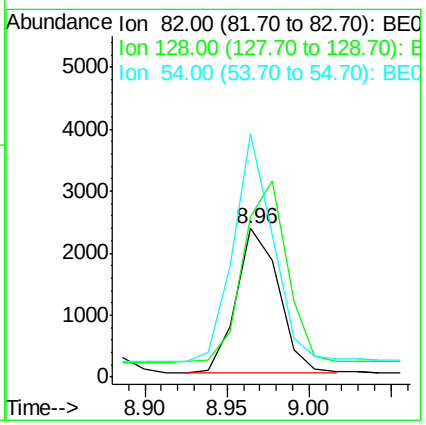


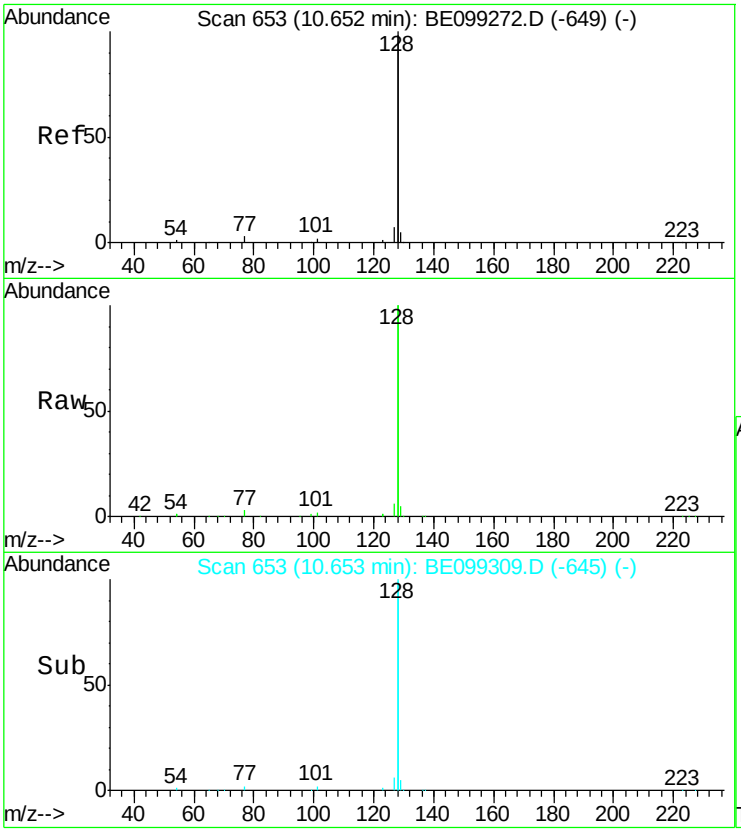


#8
Nitrobenzene-d5
Concen: 0.392 ng
RT: 8.96 min Scan# 523
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion: 82 Resp: 4201

Ion	Ratio	Lower	Upper
82	100		
128	108.3	86.6	130.0
54	163.9	131.1	196.7



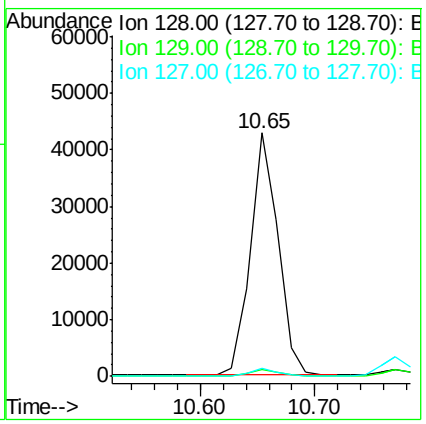


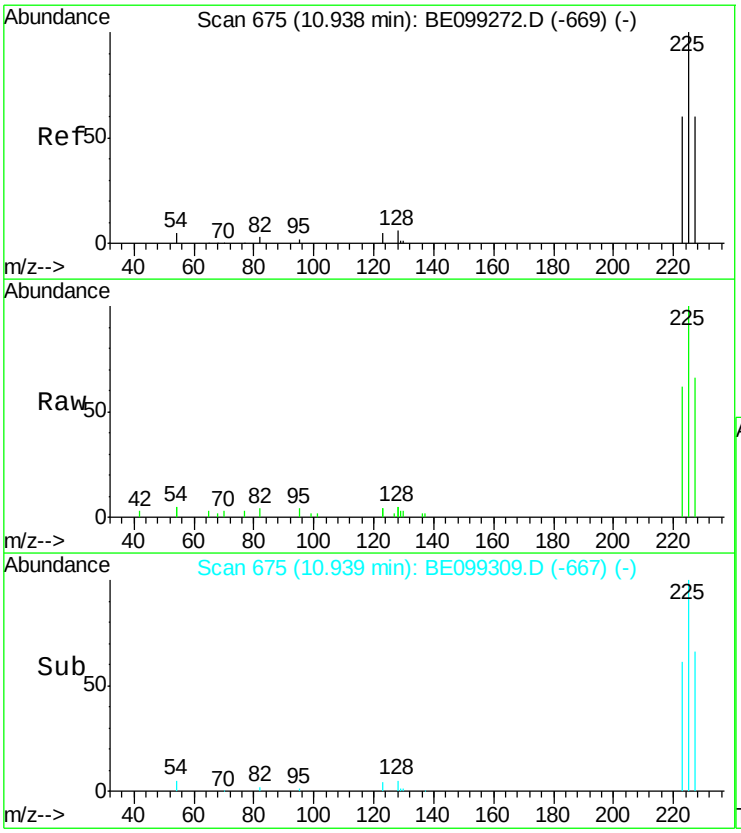
#9
Naphthalene
Concen: 0.424 ng
RT: 10.65 min Scan# 653
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 71864

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.2	3.2
127	3.2	2.6	3.8

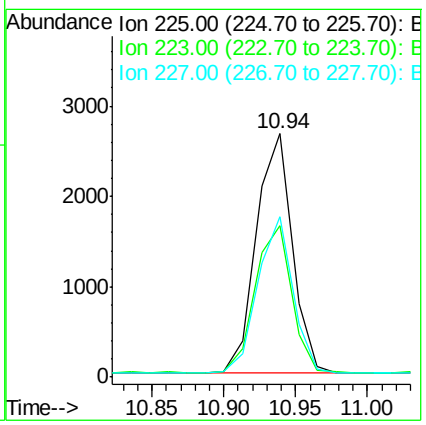


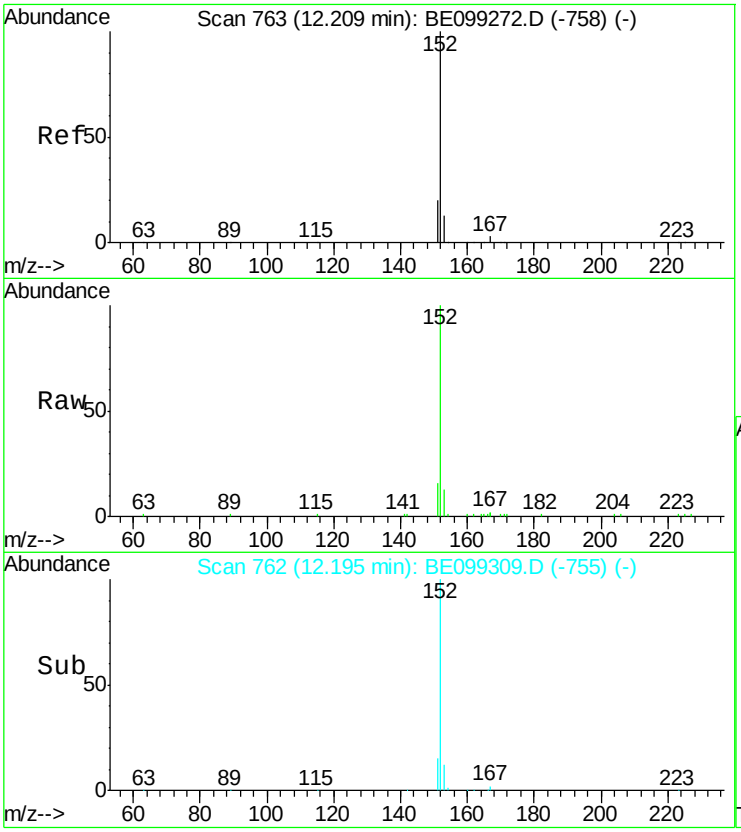


#10
Hexachlorobutadiene
Concen: 0.416 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:225 Resp: 4590

Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	64.3	51.4	77.2



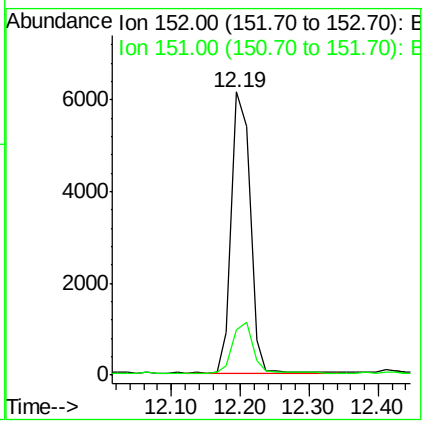


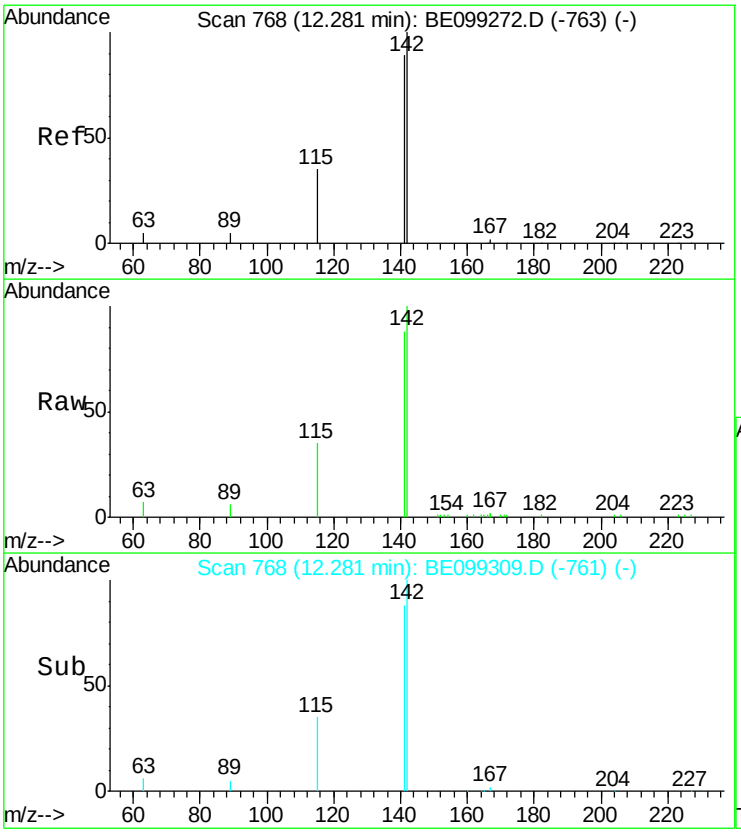
#11
2-Methylnaphthalene-d10
Concen: 0.422 ng
RT: 12.19 min Scan# 762
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 11492

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.4	23.2

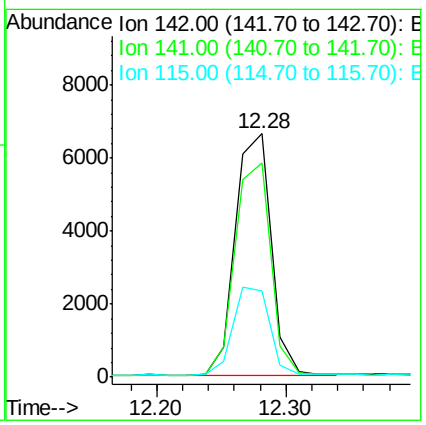


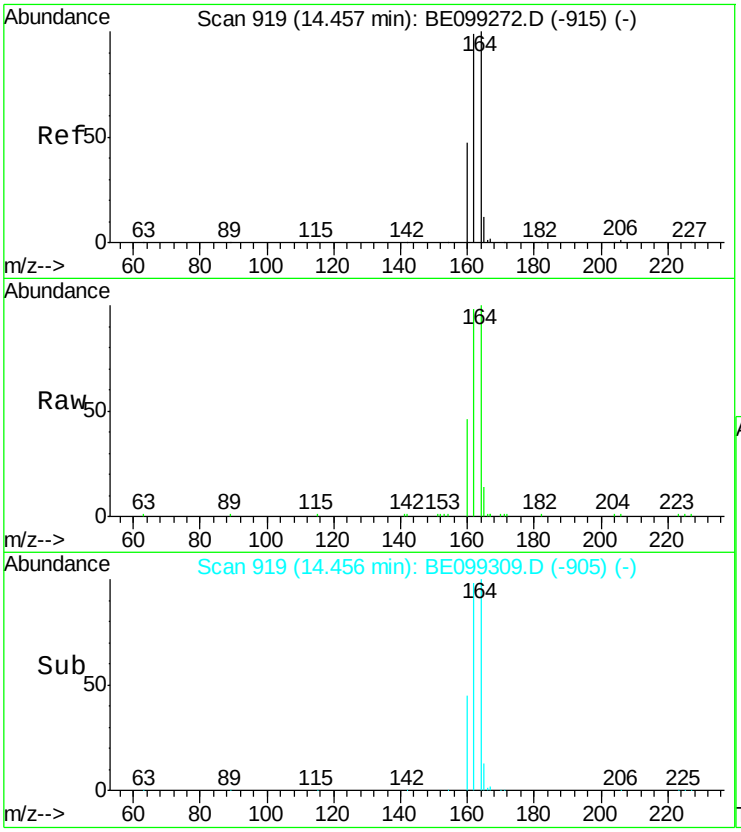


#12
2-Methylnaphthalene
Concen: 0.438 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:142 Resp: 12645

Ion	Ratio	Lower	Upper
142	100		
141	88.0	70.4	105.6
115	35.3	28.2	42.4



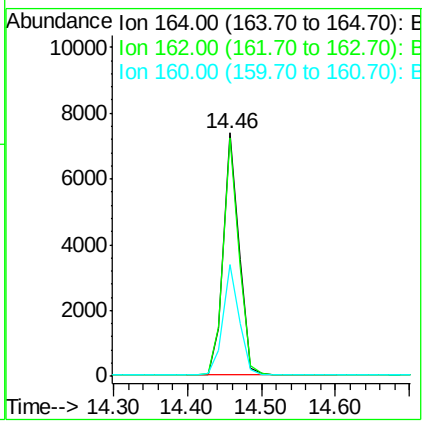


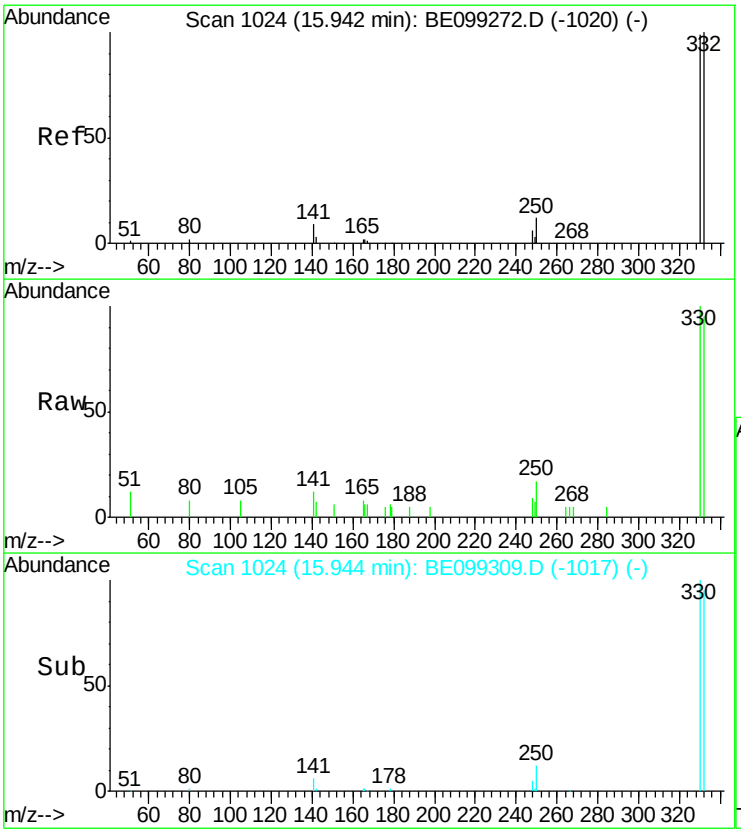
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 10820

Ion	Ratio	Lower	Upper
164	100		
162	97.9	78.3	117.5
160	45.7	36.6	54.8

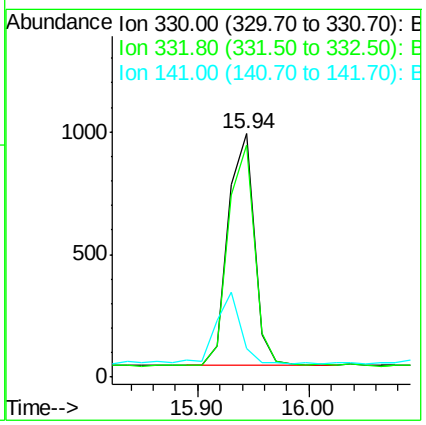


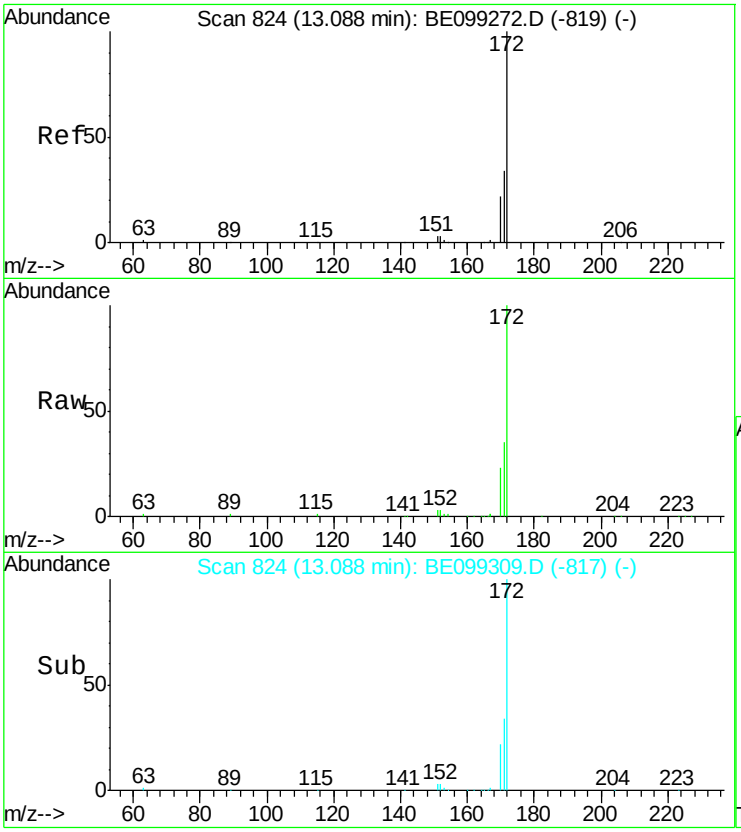


#14
2,4,6-Tribromophenol
Concen: 0.311 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:330 Resp: 1552

Ion	Ratio	Lower	Upper
330	100		
332	94.6	77.0	115.6
141	30.2	25.0	37.4



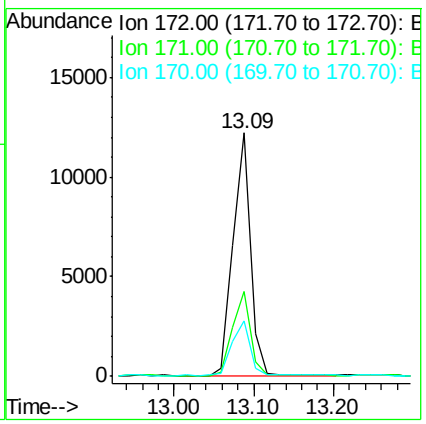


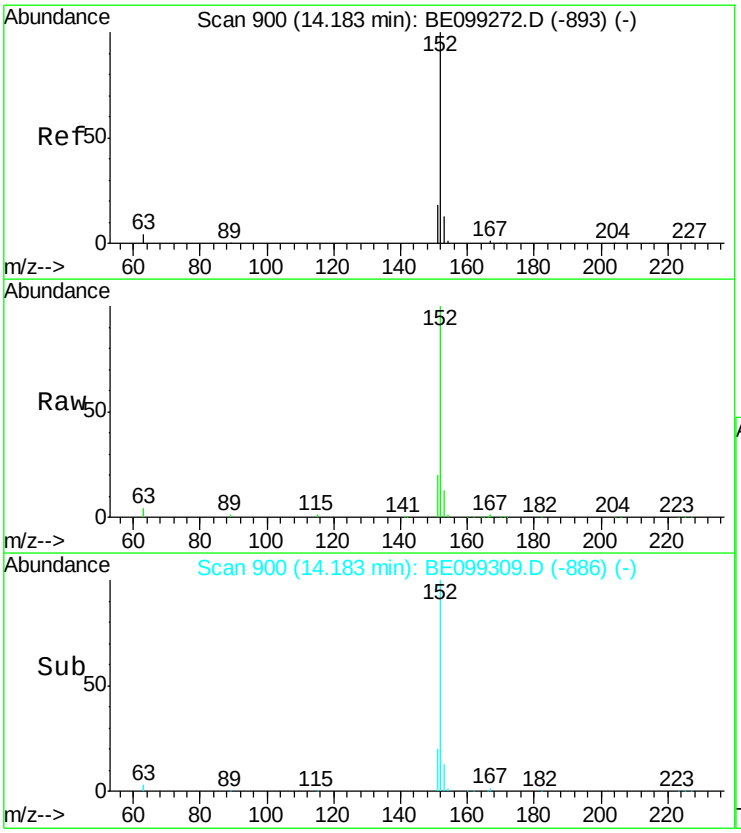
#15
2-Fluorobiphenyl
Concen: 0.434 ng
RT: 13.09 min Scan# 824
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 18467

Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.8	41.6
170	22.7	18.2	27.2

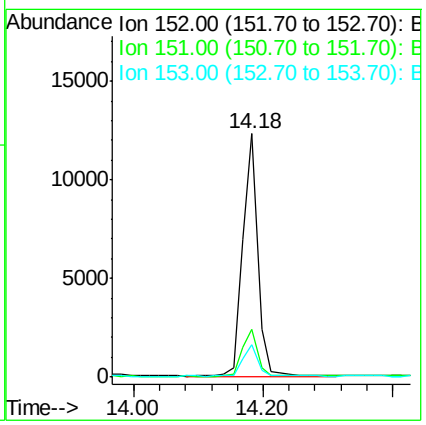


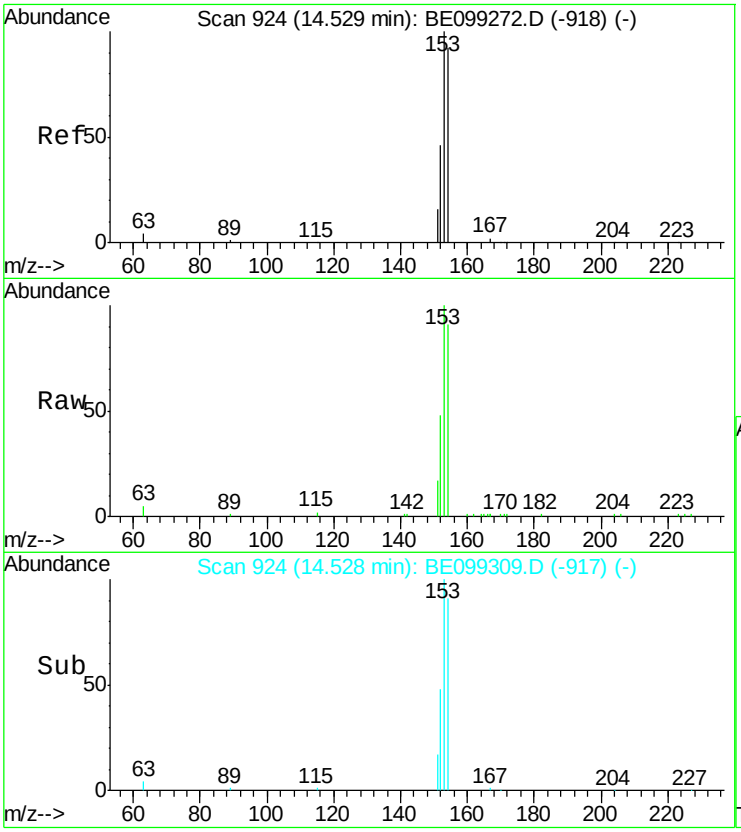


#16
Acenaphthylene
Concen: 0.385 ng
RT: 14.18 min Scan# 900
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:152 Resp: 19745

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.0	10.4	15.6



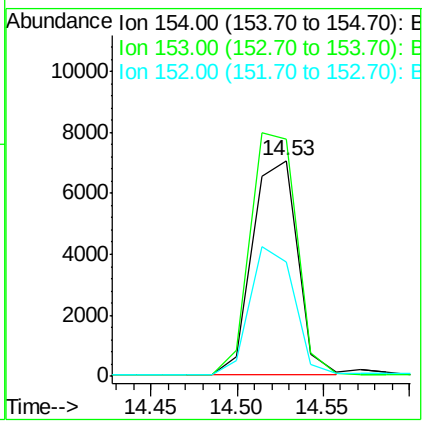


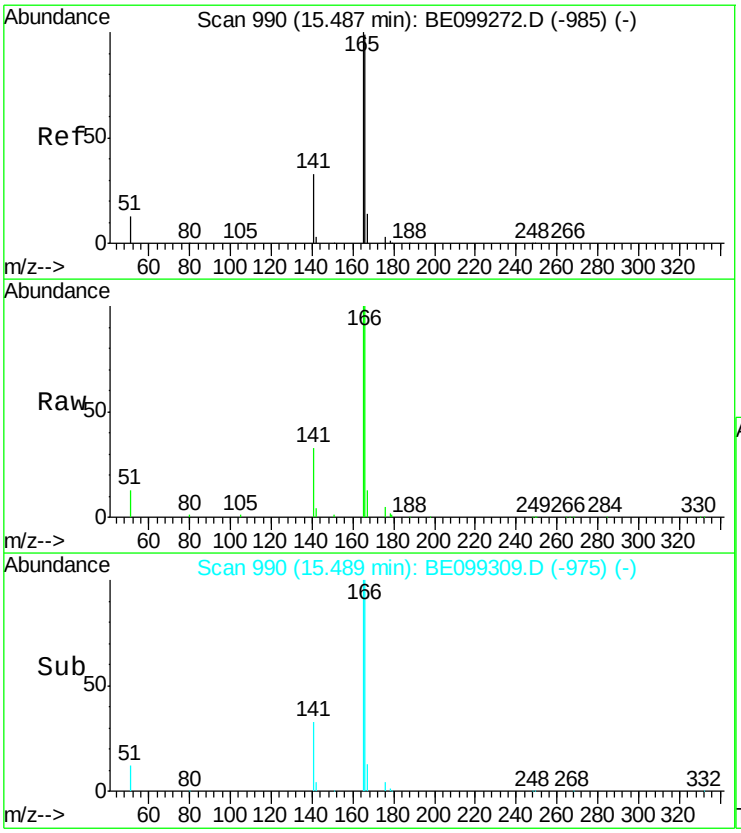
#17
Acenaphthene
Concen: 0.423 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 12795

Ion	Ratio	Lower	Upper
154	100		
153	116.2	92.3	138.5
152	58.4	46.3	69.5

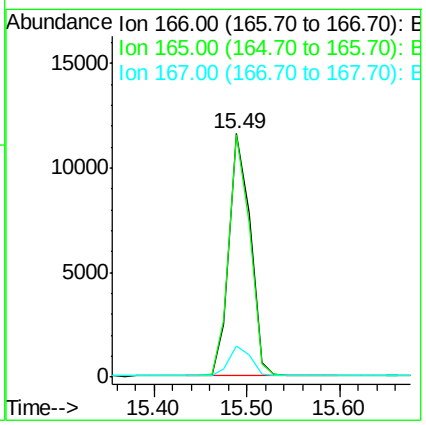


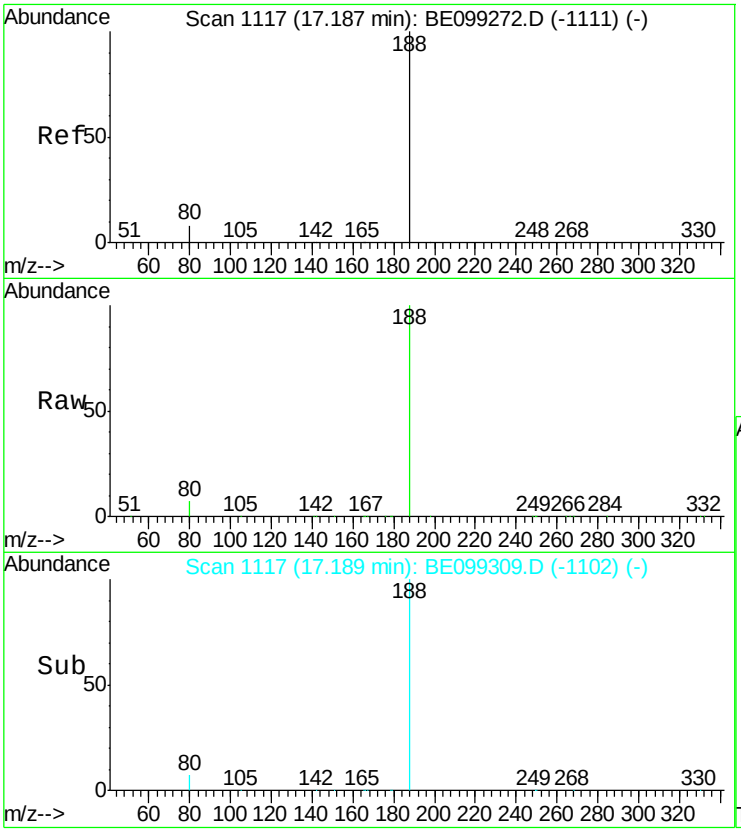


#18
Fluorene
Concen: 0.418 ng
RT: 15.49 min Scan# 990
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:166 Resp: 18247

Ion	Ratio	Lower	Upper
166	100		
165	98.5	78.8	118.2
167	13.1	10.5	15.7



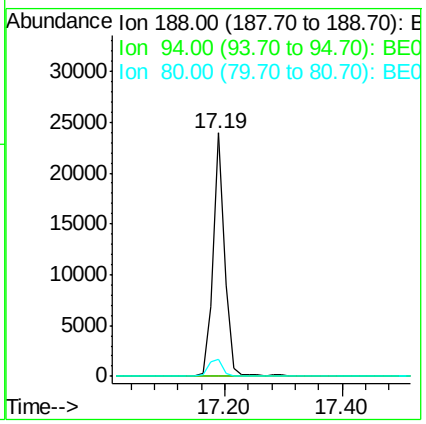


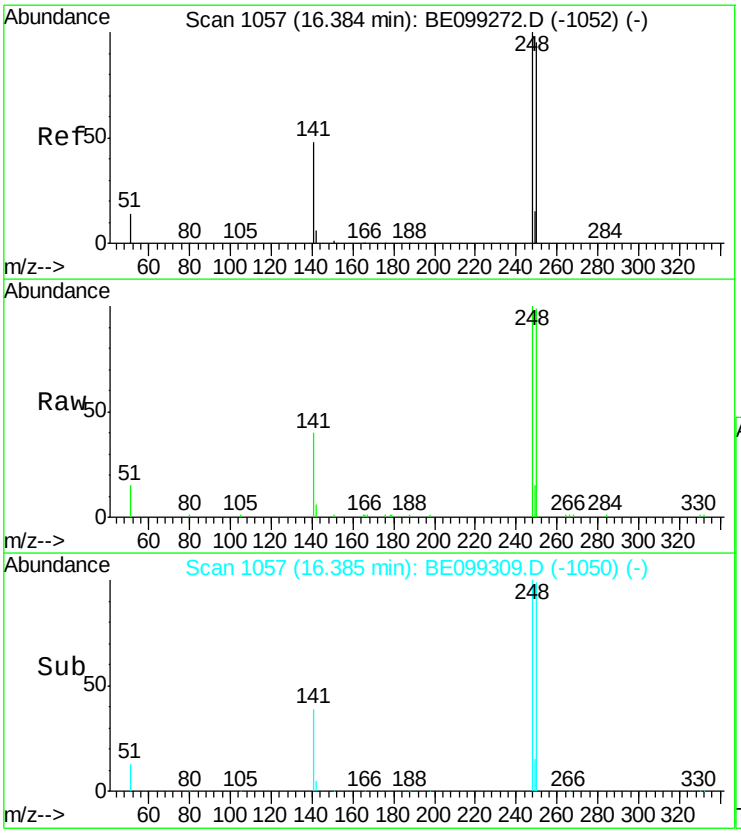
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 33097

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.1	5.7	8.5

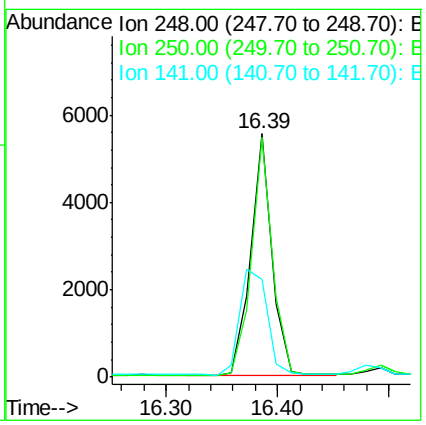


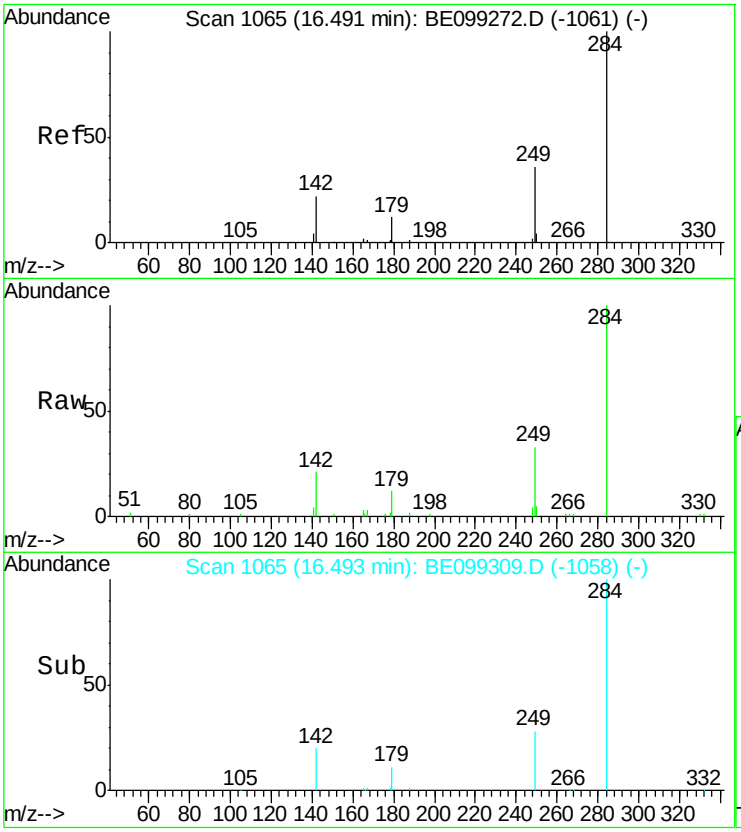


#20
4-Bromophenyl-phenylether
Concen: 0.392 ng
RT: 16.39 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:248 Resp: 7370

Ion	Ratio	Lower	Upper
248	100		
250	98.7	79.0	118.4
141	40.1	32.1	48.1



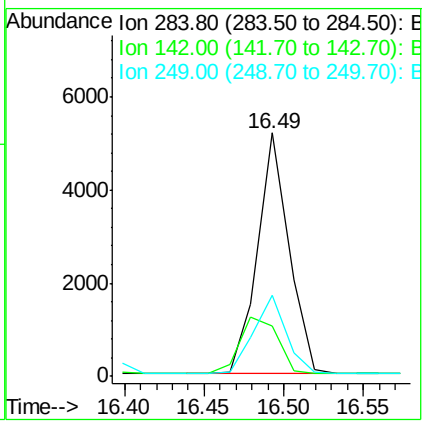


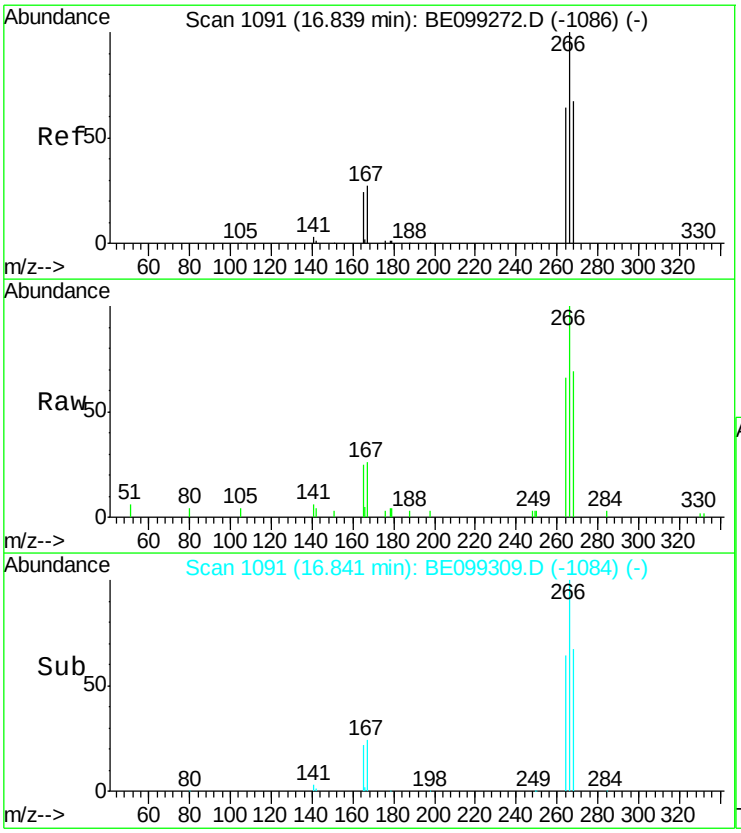
#21
Hexachlorobenzene
Concen: 0.397 ng
RT: 16.49 min Scan# 1065
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 7092

Ion	Ratio	Lower	Upper
284	100		
142	29.0	23.2	34.8
249	33.7	27.0	40.4

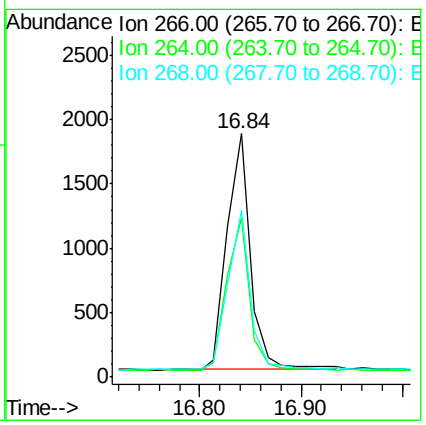


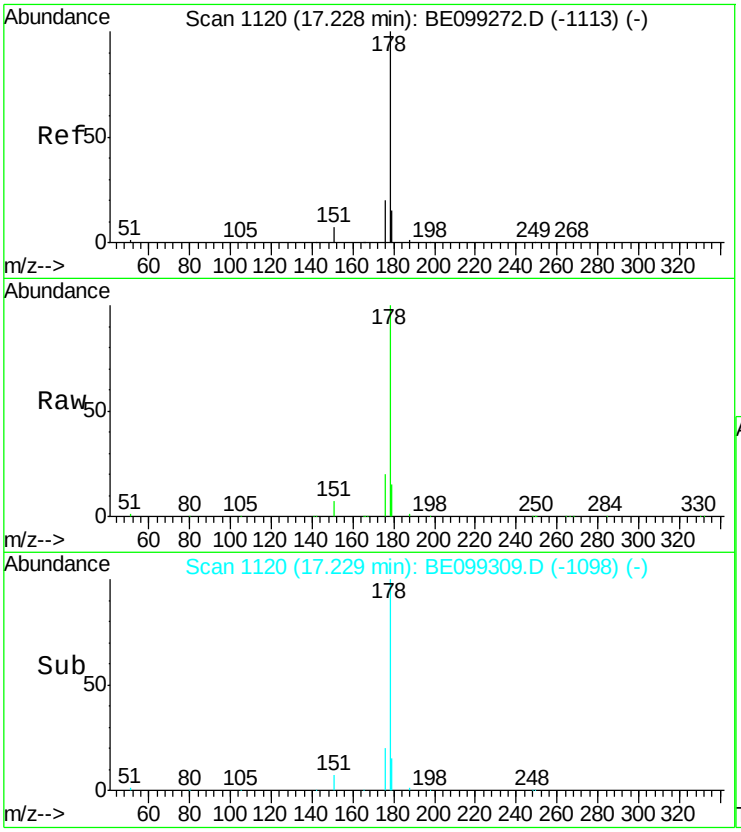


#22
Pentachlorophenol
Concen: 0.395 ng
RT: 16.84 min Scan# 1091
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:266 Resp: 2937

Ion	Ratio	Lower	Upper
266	100		
264	65.6	52.5	78.7
268	68.6	54.9	82.3



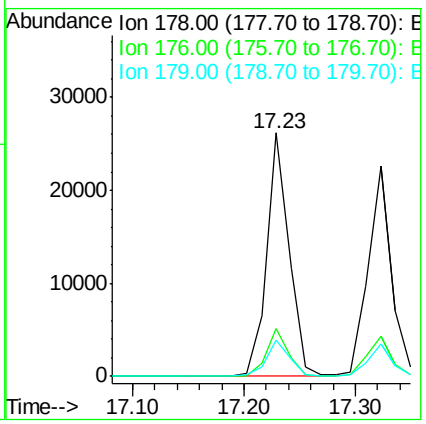


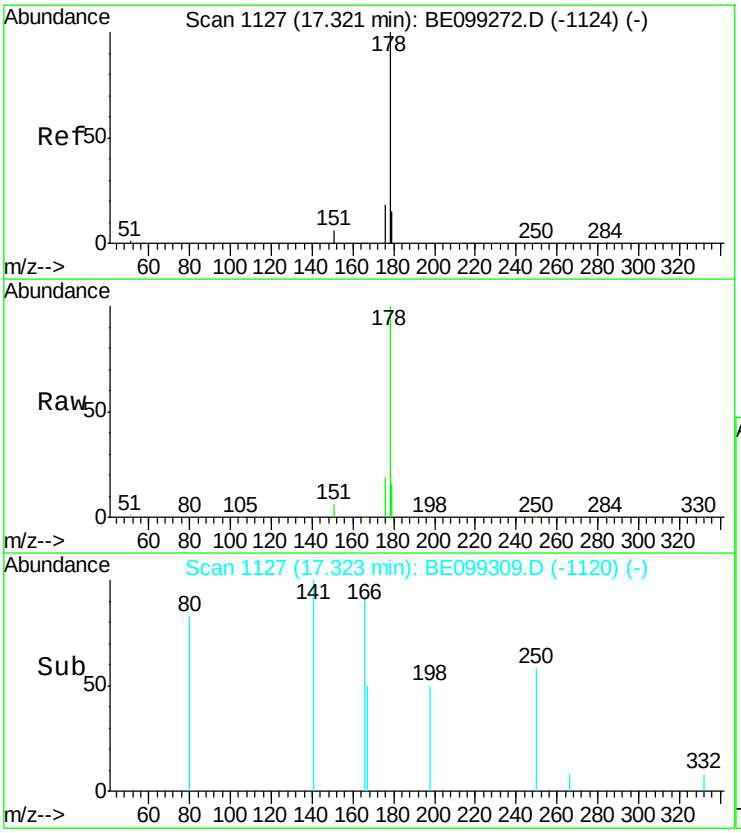
#23
Phenanthrene
Concen: 0.428 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 36669

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.1	12.1	18.1

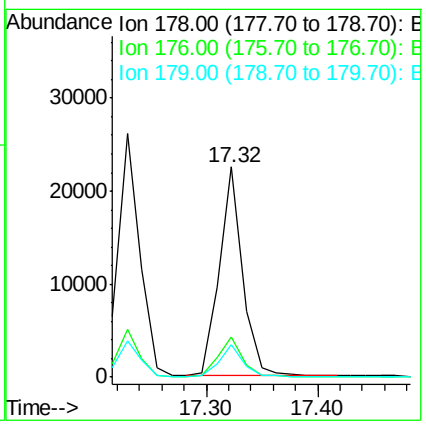


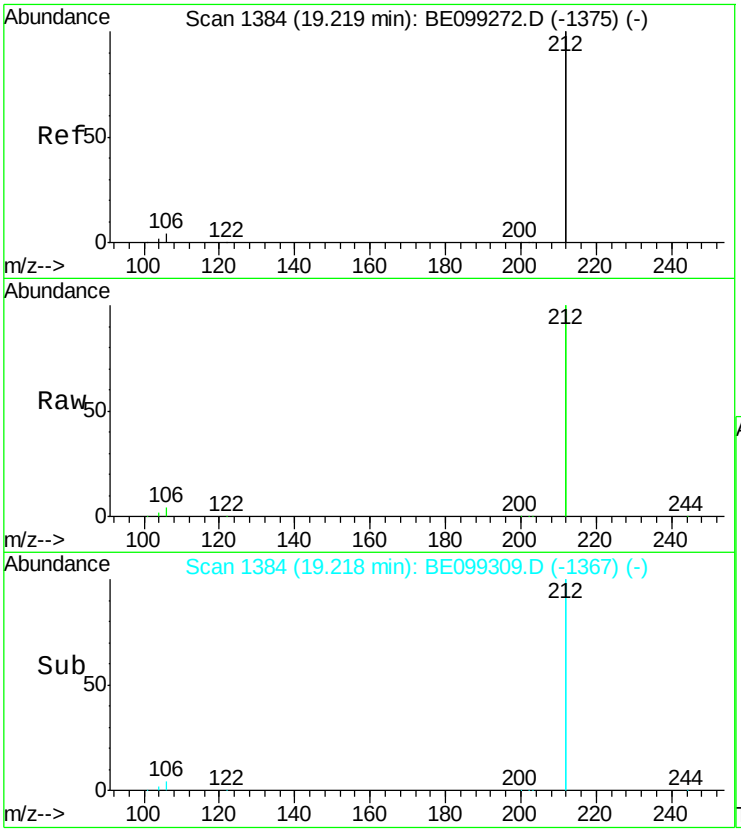


#24
Anthracene
Concen: 0.402 ng
RT: 17.32 min Scan# 1127
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:178 Resp: 32442

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.0
179	15.2	12.2	18.2



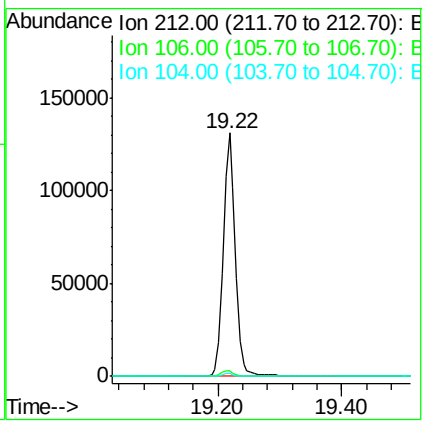


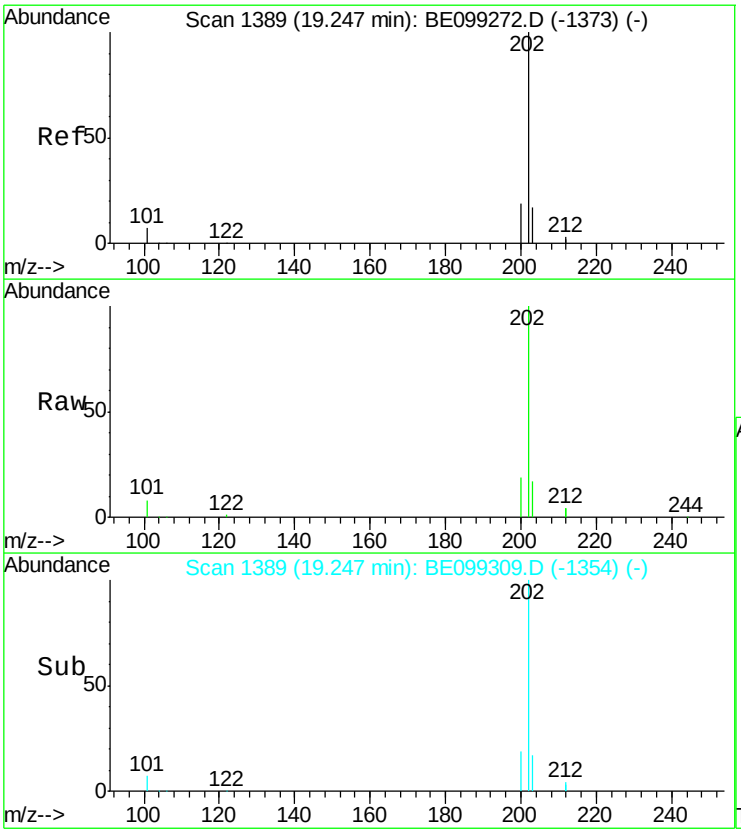
#25
Fluoranthene-d10
Concen: 0.402 ng
RT: 19.22 min Scan# 1384
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 175506

Ion	Ratio	Lower	Upper
212	100		
106	2.2	1.8	2.6
104	1.3	1.0	1.6

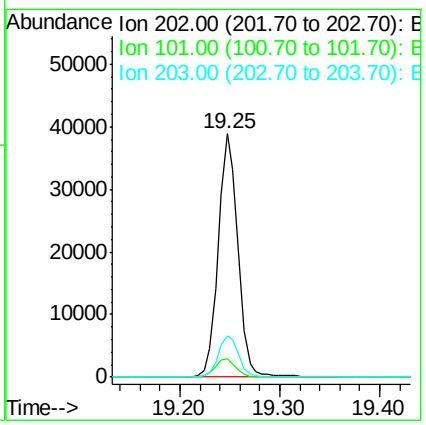


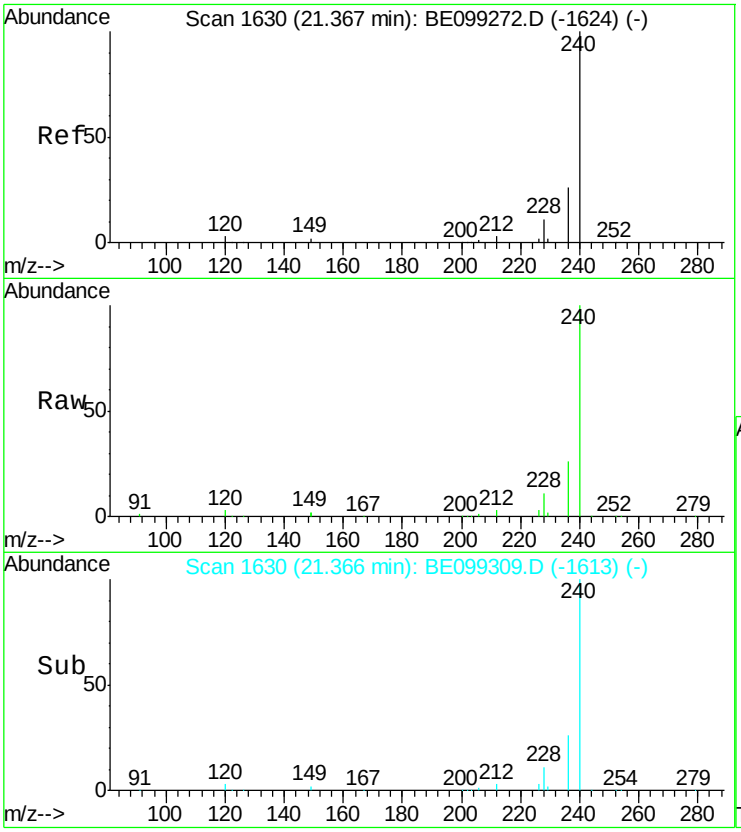


#26
Fluoranthene
Concen: 0.413 ng
RT: 19.25 min Scan# 1389
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:202 Resp: 52218

Ion	Ratio	Lower	Upper
202	100		
101	8.0	6.4	9.6
203	17.2	13.8	20.6



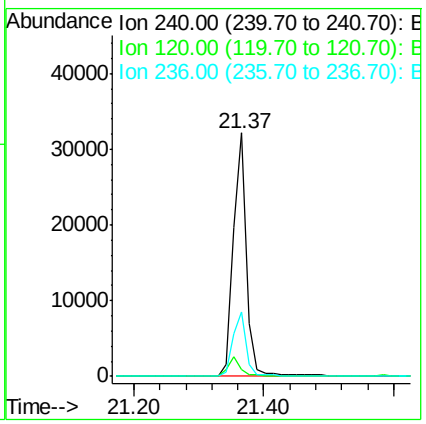


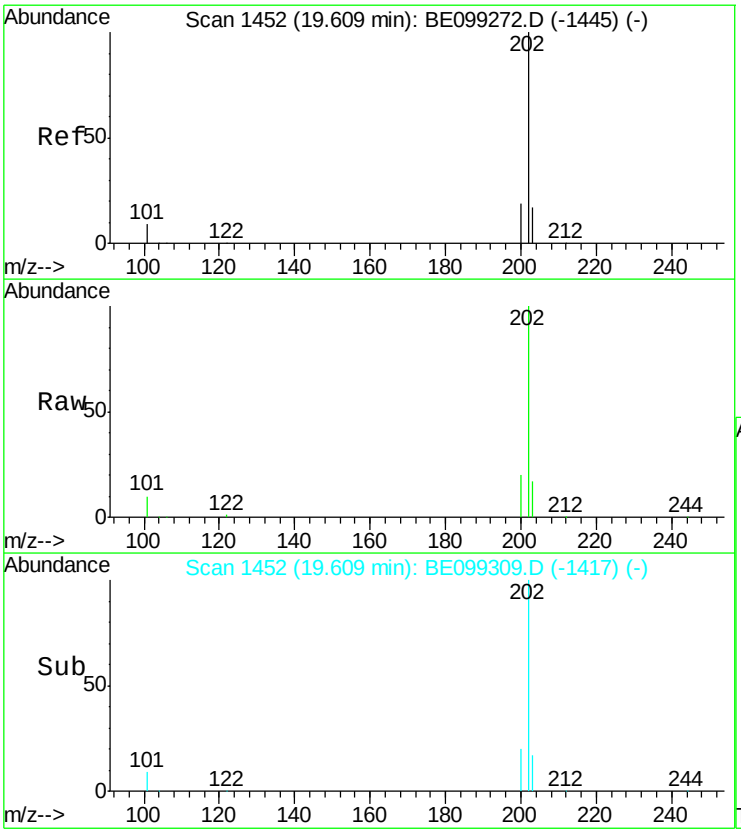
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1630
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 45442

Ion	Ratio	Lower	Upper
240	100		
120	3.0	2.4	3.6
236	26.2	21.0	31.4

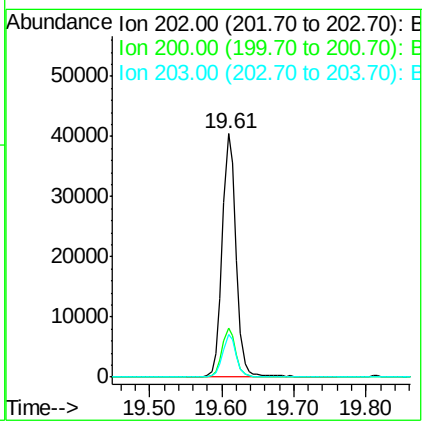


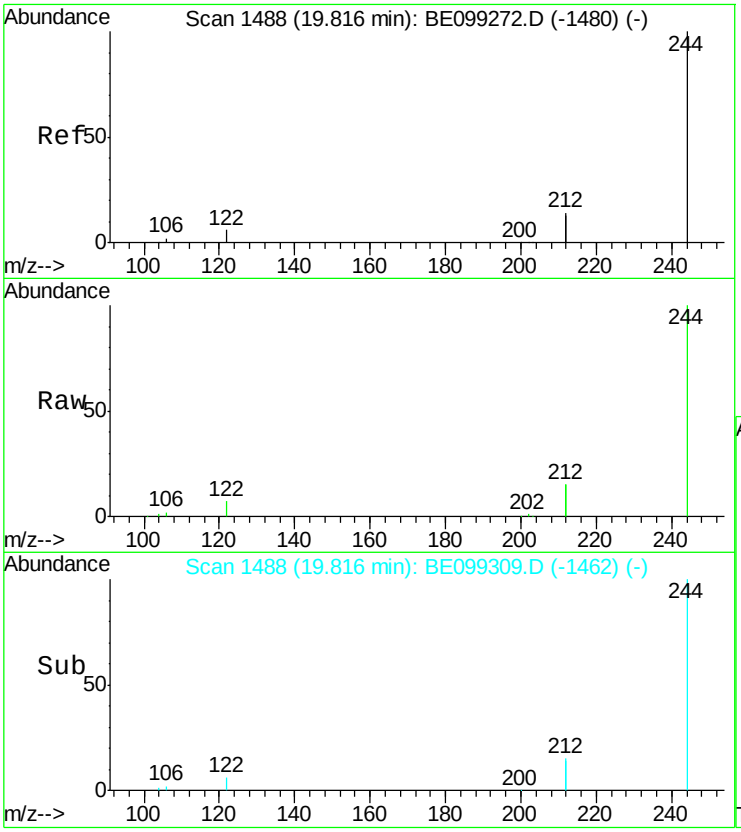


#28
Pyrene
Concen: 0.447 ng
RT: 19.61 min Scan# 1452
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:202 Resp: 53650

Ion	Ratio	Lower	Upper
202	100		
200	19.6	15.7	23.5
203	17.1	13.7	20.5



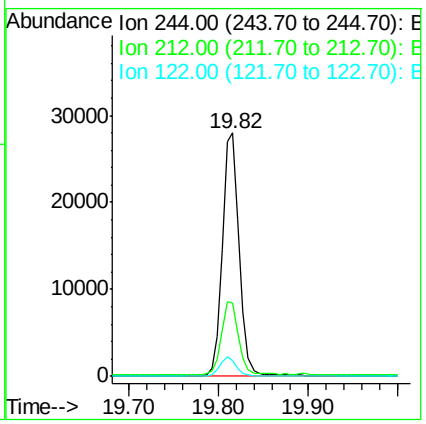


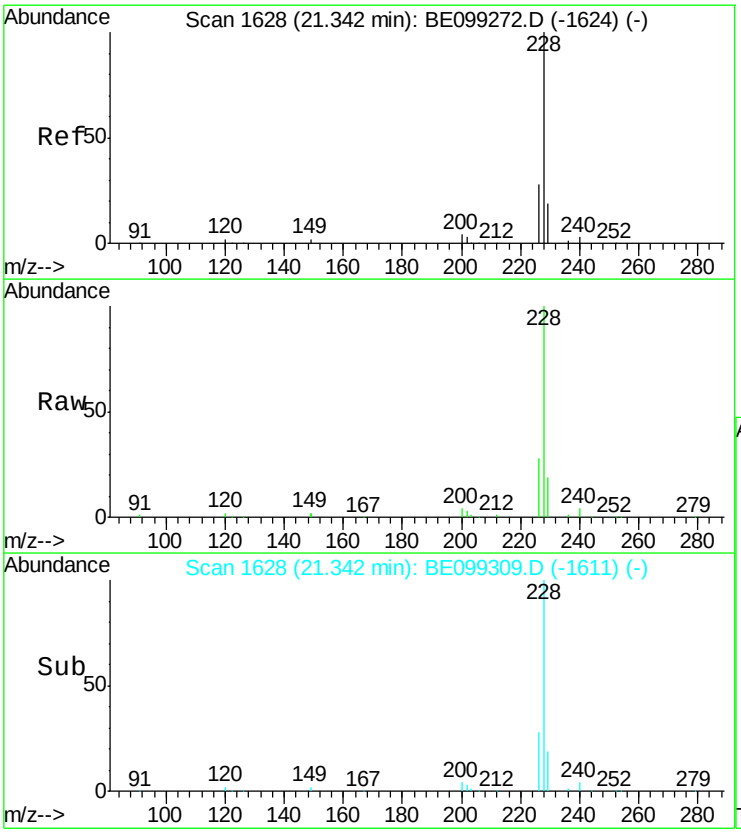
#29
Terphenyl-d14
Concen: 0.435 ng
RT: 19.82 min Scan# 1488
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 36041

Ion	Ratio	Lower	Upper
244	100		
212	30.0	24.0	36.0
122	6.5	5.2	7.8

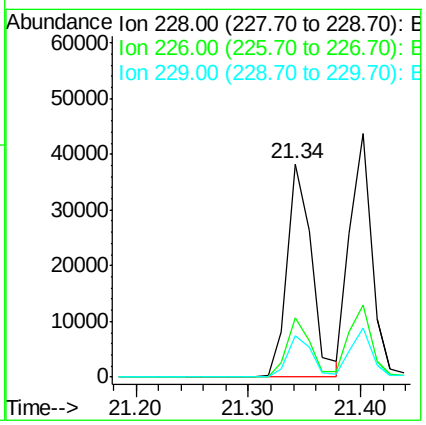


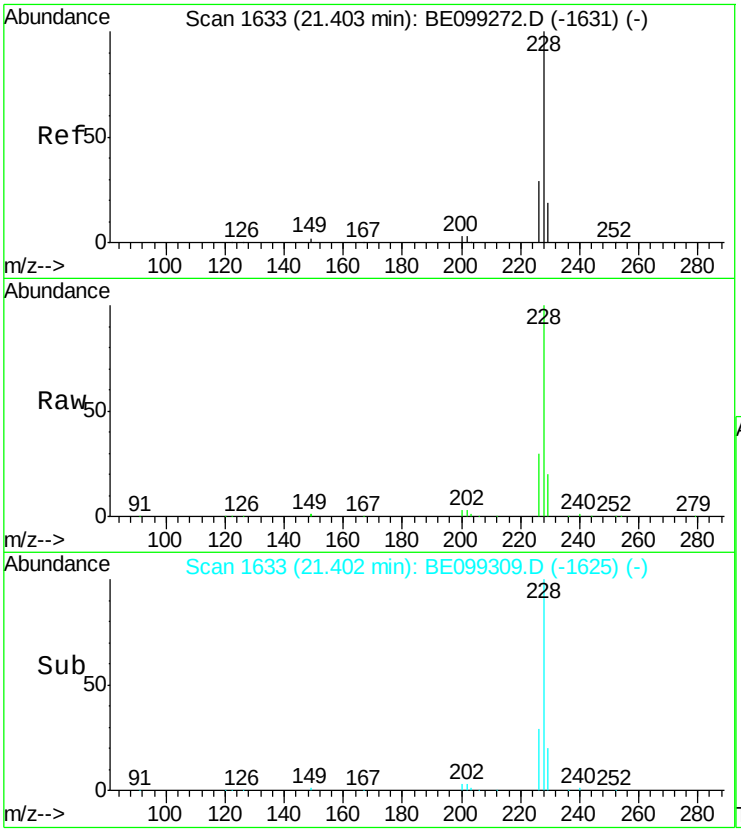


#30
Benzo(a)anthracene
Concen: 0.401 ng
RT: 21.34 min Scan# 1628
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:228 Resp: 57409

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.3	33.5
229	19.5	15.6	23.4



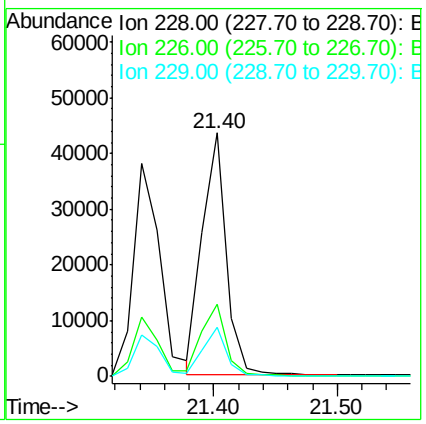


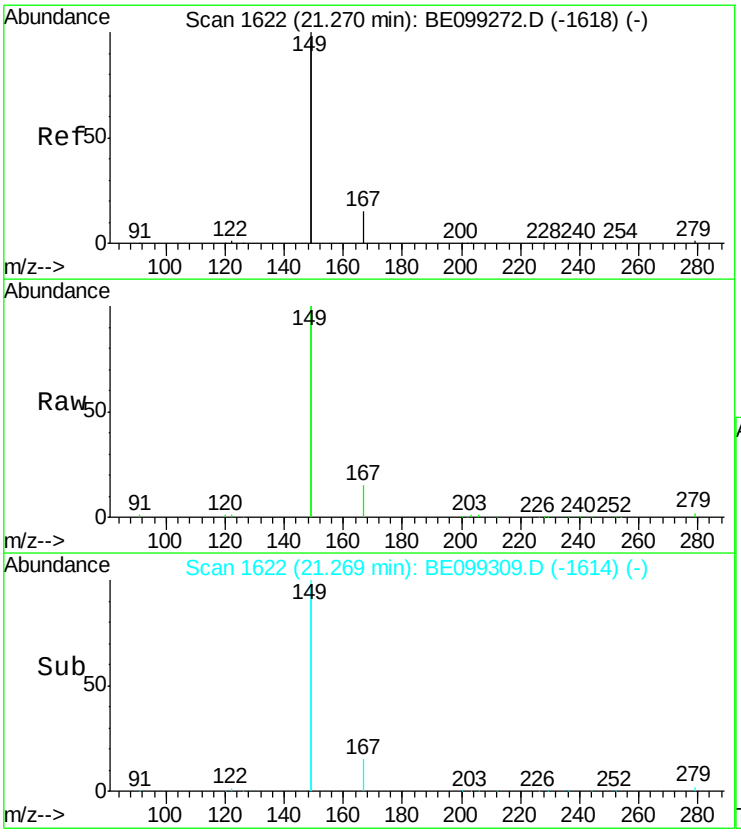
#31
Chrysene
Concen: 0.421 ng
RT: 21.40 min Scan# 1633
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 59039

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.6	35.4
229	20.0	16.0	24.0

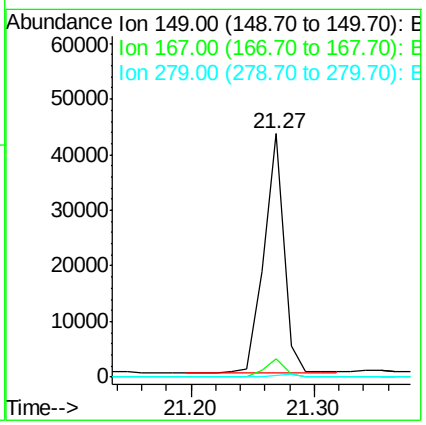


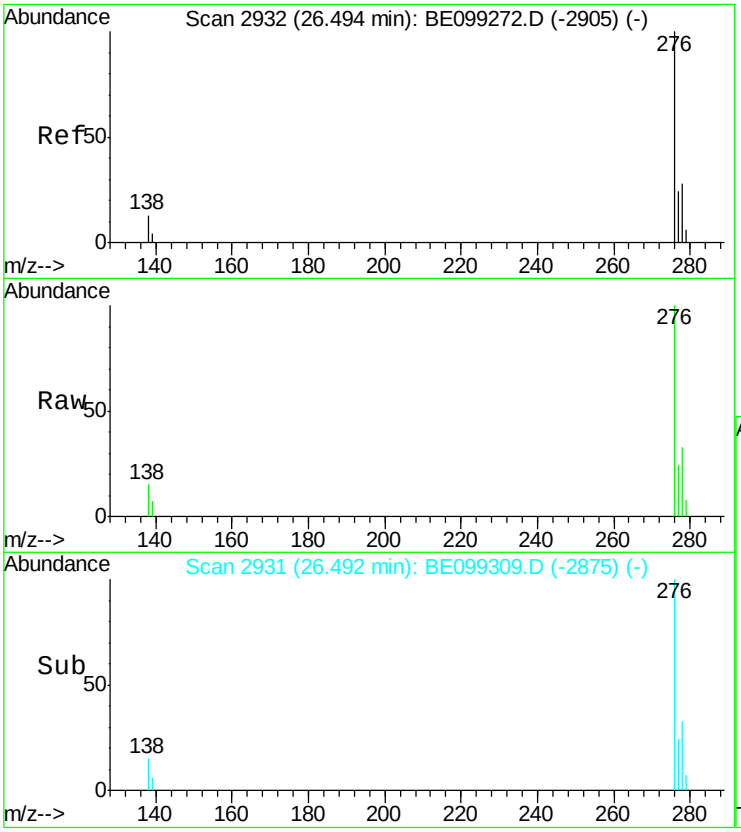


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.267 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:149 Resp: 48616

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.1	9.1
279	1.2	1.0	1.4



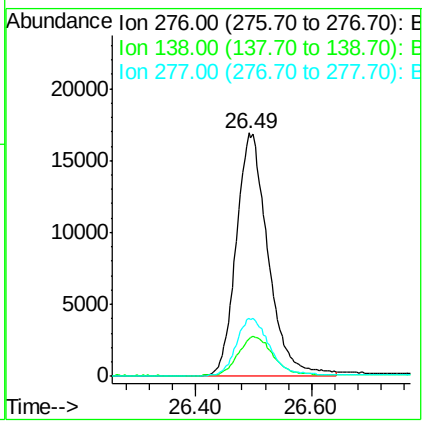


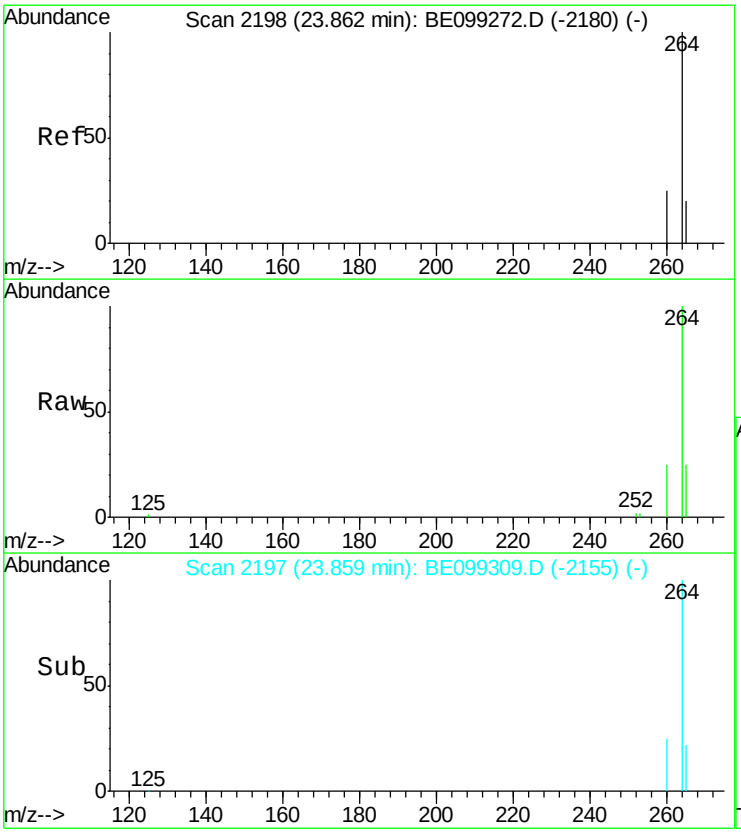
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.399 ng
RT: 26.49 min Scan# 2931
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 63967

Ion	Ratio	Lower	Upper
276	100		
138	17.6	14.1	21.1
277	24.6	19.7	29.5

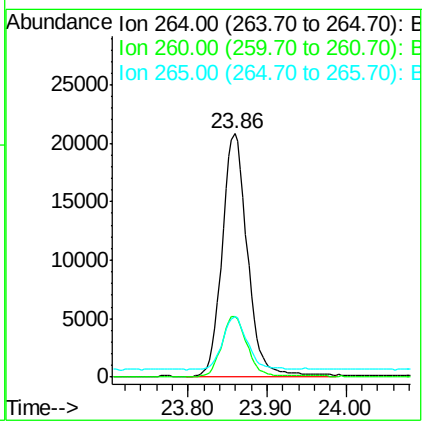


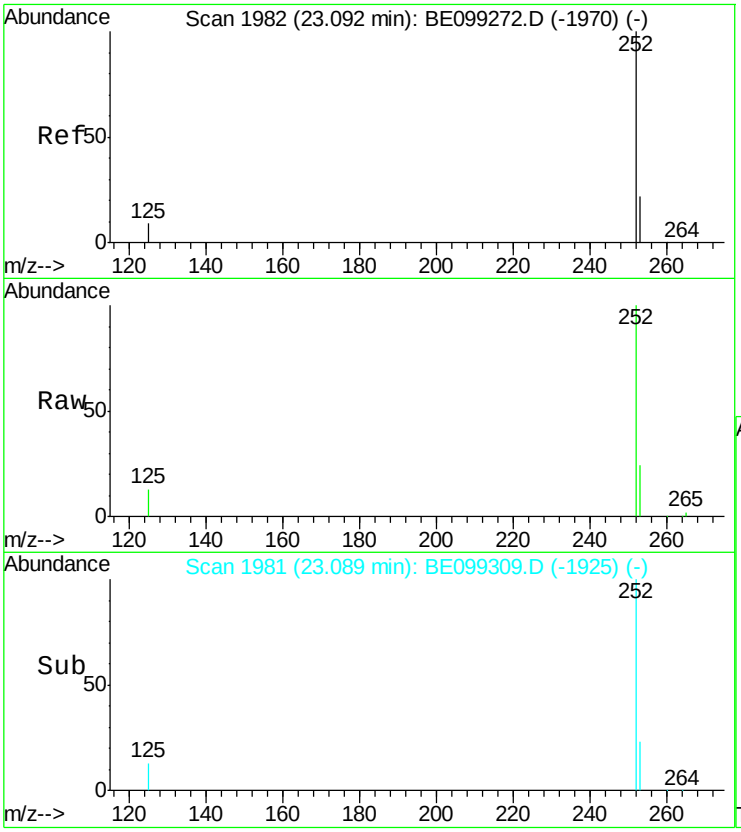


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:264 Resp: 46203

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.9	29.9
265	24.7	19.8	29.6



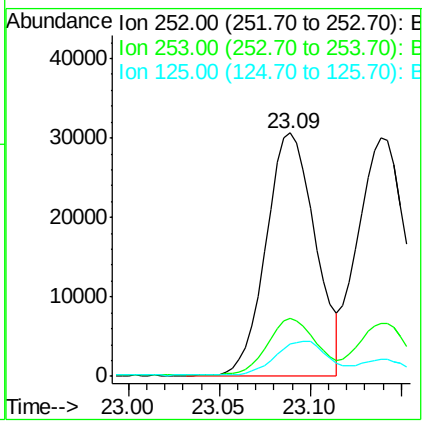


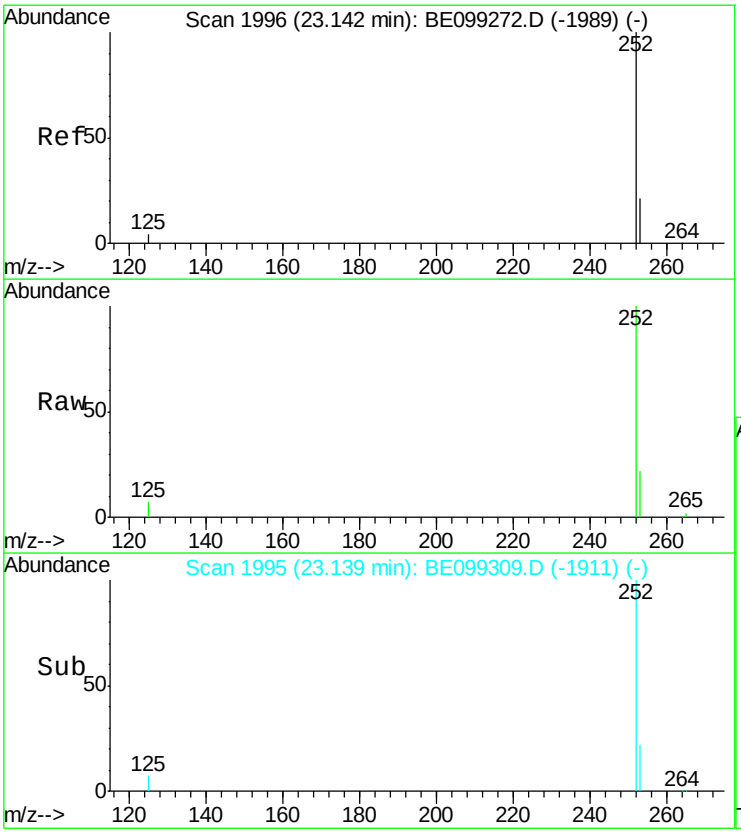
#35
Benzo(b)fluoranthene
Concen: 0.415 ng
RT: 23.09 min Scan# 1981
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 57232

Ion	Ratio	Lower	Upper
252	100		
253	23.8	19.0	28.6
125	13.1	10.5	15.7

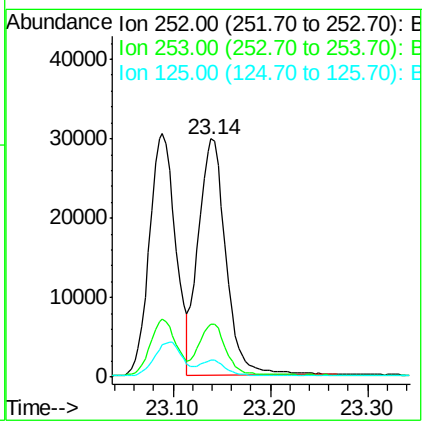


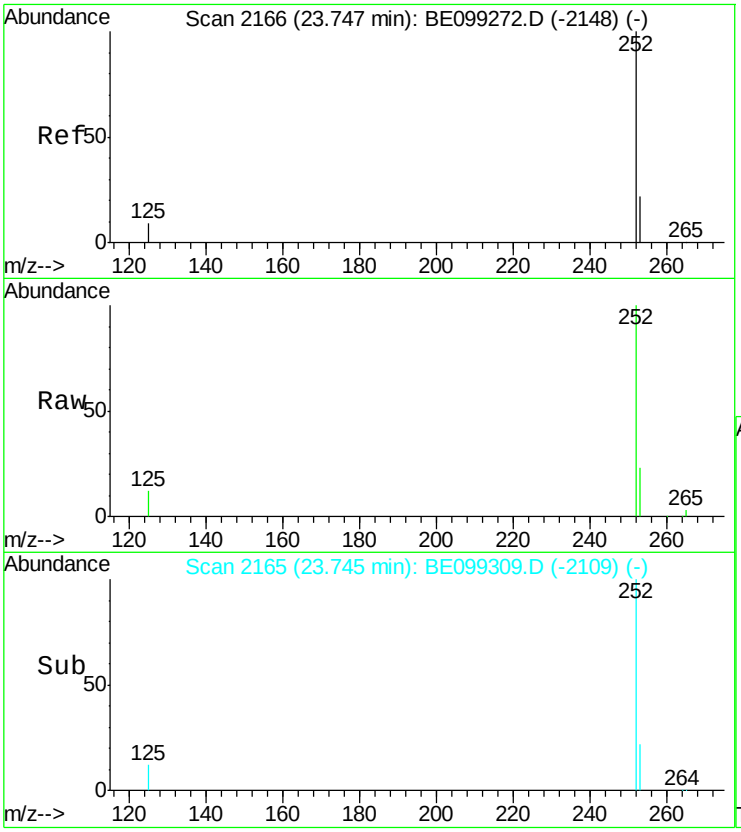


#36
Benzo(k)fluoranthene
Concen: 0.435 ng
RT: 23.14 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:252 Resp: 58299

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.9	26.9
125	7.1	5.7	8.5



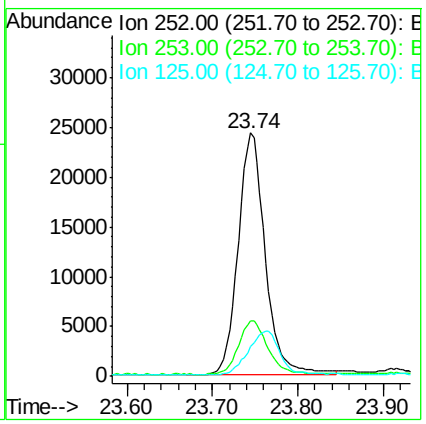


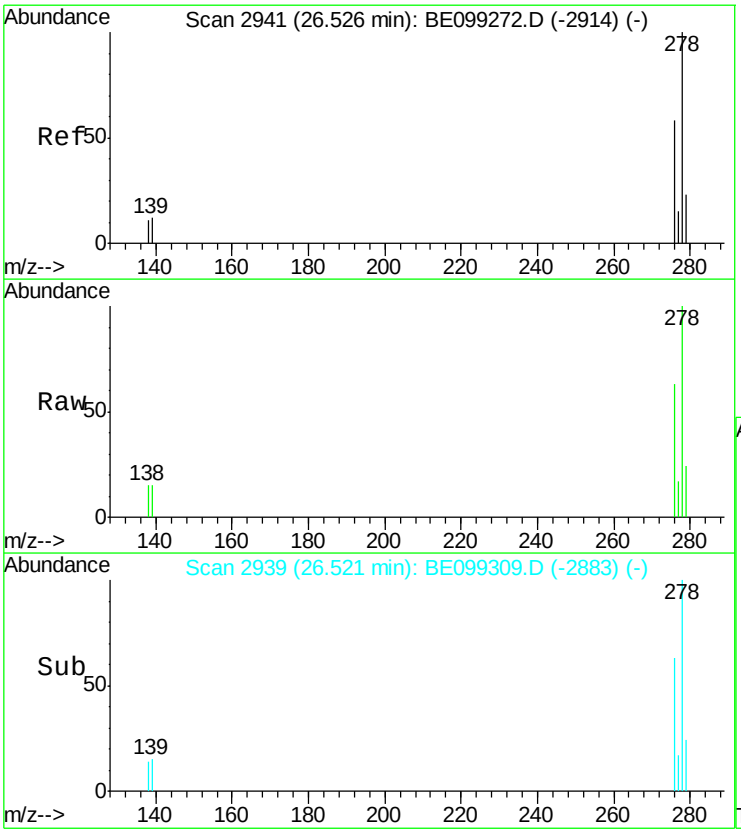
#37
Benzo(a)pyrene
Concen: 0.412 ng
RT: 23.74 min Scan# 2165
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 53455

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.2	27.2
125	12.2	9.8	14.6

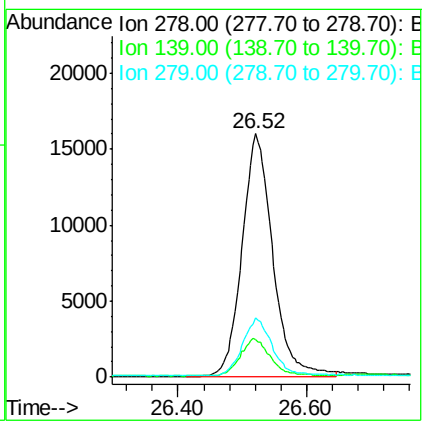


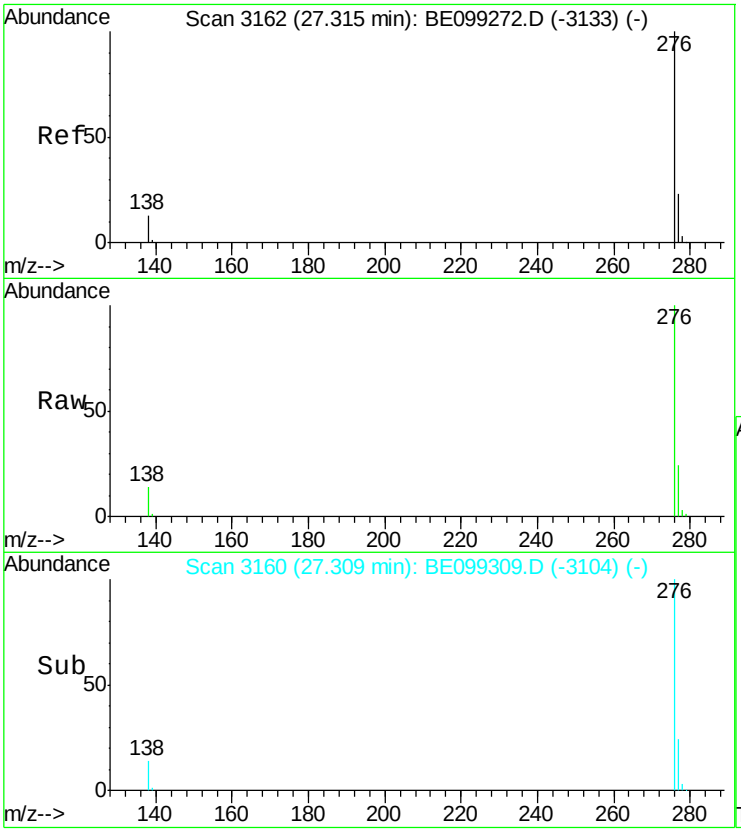


#38
Dibenzo(a,h)anthracene
Concen: 0.409 ng
RT: 26.52 min Scan# 2939
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Tgt Ion:278 Resp: 52746

Ion	Ratio	Lower	Upper
278	100		
139	15.2	12.2	18.2
279	24.3	19.4	29.2





#39
Benzo(g,h,i)perylene
Concen: 0.414 ng
RT: 27.31 min Scan# 3160
Delta R.T. 0.00 min
Lab File: BE099309.D
Acq: 12 Apr 2019 14:01

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 53130

Ion	Ratio	Lower	Upper
276	100		
277	24.3	19.4	29.2
138	14.3	11.4	17.2