Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099084.D
Acq On : 22 Mar 2019 17:27
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4

Quant Time: Mar 23 01:14:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 00:46:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	3192	0.40	ng		0.00
7) Naphthalene-d8	10.64	136	12680	0.40	ng		0.00
13) Acenaphthene-d10	14.49	164	8780	0.40	ng		0.00
19) Phenanthrene-d10	17.21	188	26274	0.40	ng		0.00
27) Chrysene-d12	21.39	240	32163	0.40	ng		0.00
34) Perylene-d12	23.91	264	32292	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.41	112	3254	0.34	ng		0.00
5) Phenol-d6	6.99	99	4844	0.35	ng		0.00
8) Nitrobenzene-d5	8.99	82	2453	0.44	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	8296	0.36	ng		-0.01
14) 2,4,6-Tribromophenol	15.96	330	929	0.36	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	12371	0.35	ng		0.00
25) Fluoranthene-d10	19.24	212	126020	0.36	ng		0.00
29) Terphenyl-d14	19.84	244	24994	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.35	88	1989	0.402	ng		90
3) n-Nitrosodimethylamine	3.68	42	779	0.305	ng	#	77
6) bis(2-Chloroethyl)ether	7.27	93	4234	0.381	ng		84
9) Naphthalene	10.68	128	53940	0.361	ng		98
10) Hexachlorobutadiene	10.96	225	2697	0.369	ng		99
12) 2-Methylnaphthalene	12.31	142	9244	0.361	ng	#	89
16) Acenaphthylene	14.20	152	15197	0.324	ng		98
17) Acenaphthene	14.54	154	9629	0.346	ng		98
18) Fluorene	15.51	166	14133	0.349	ng		99
20) 4-Bromophenyl-phenylether	16.41	248	5208	0.358	ng	#	79
21) Hexachlorobenzene	16.52	284	4702	0.348	ng		97
22) Pentachlorophenol	16.85	266	1373	0.499	ng	#	75
23) Phenanthrene	17.26	178	27217	0.349	ng		100
24) Anthracene	17.35	178	25158	0.341	ng		99
26) Fluoranthene	19.27	202	38397	0.350	ng		99
28) Pyrene	19.63	202	38933	0.357	ng		99
30) Benzo(a)anthracene	21.37	228	39860	0.352	ng		98
31) Chrysene	21.43	228	41328	0.365	ng		99
32) Bis(2-ethylhexyl)phthalate	21.31	149	38750	0.264	ng		99
33) Indeno(1,2,3-cd)pyrene	26.56	276	41806	0.343	ng	#	91
35) Benzo(b)fluoranthene	23.13	252	38528	0.345	ng		100
36) Benzo(k)fluoranthene	23.18	252	38583	0.352	ng		99
37) Benzo(a)pyrene	23.79	252	35097	0.340	ng		98
38) Dibenzo(a,h)anthracene	26.59	278	34542	0.344	ng		95
39) Benzo(g,h,i)perylene	27.38	276	35866	0.348	ng		98

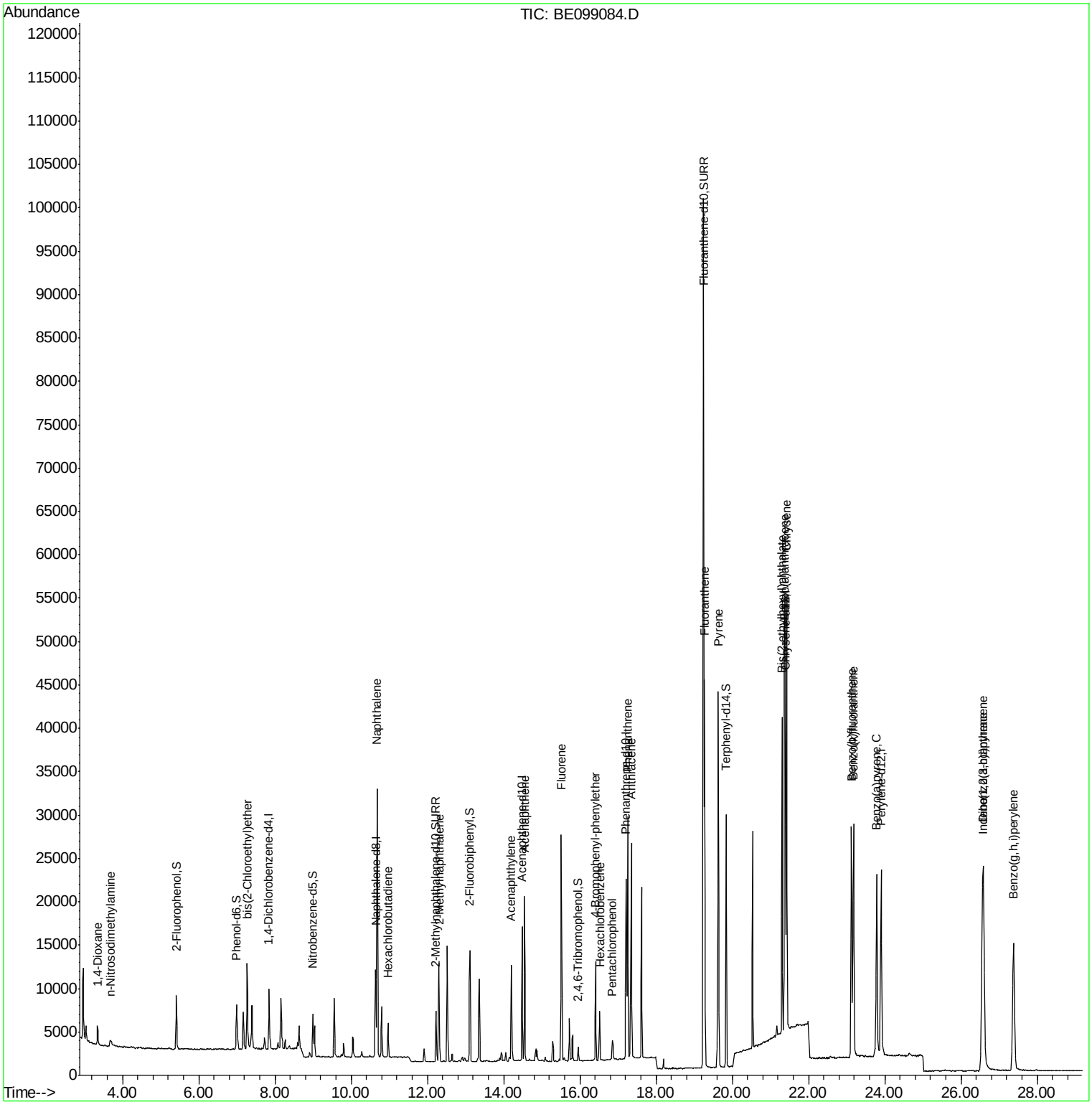
(#) = qualifier out of range (m) = manual integration (+) = signals summed

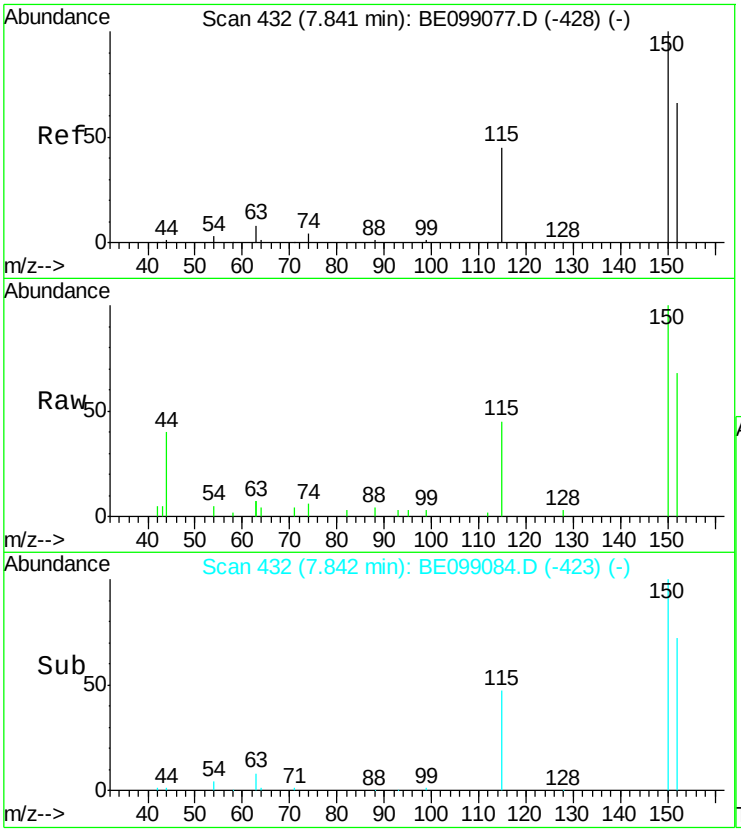
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE032219\
Data File : BE099084.D
Acq On : 22 Mar 2019 17:27
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Quant Time: Mar 23 01:14:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE032219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Mar 23 00:46:37 2019
Response via : Initial Calibration



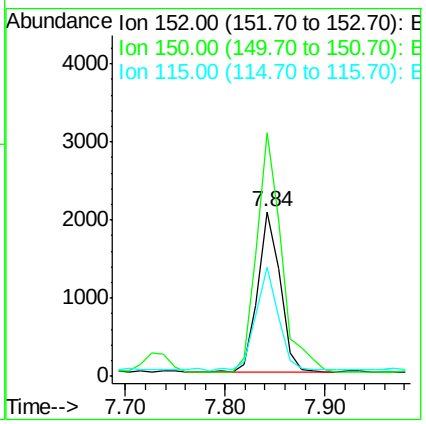


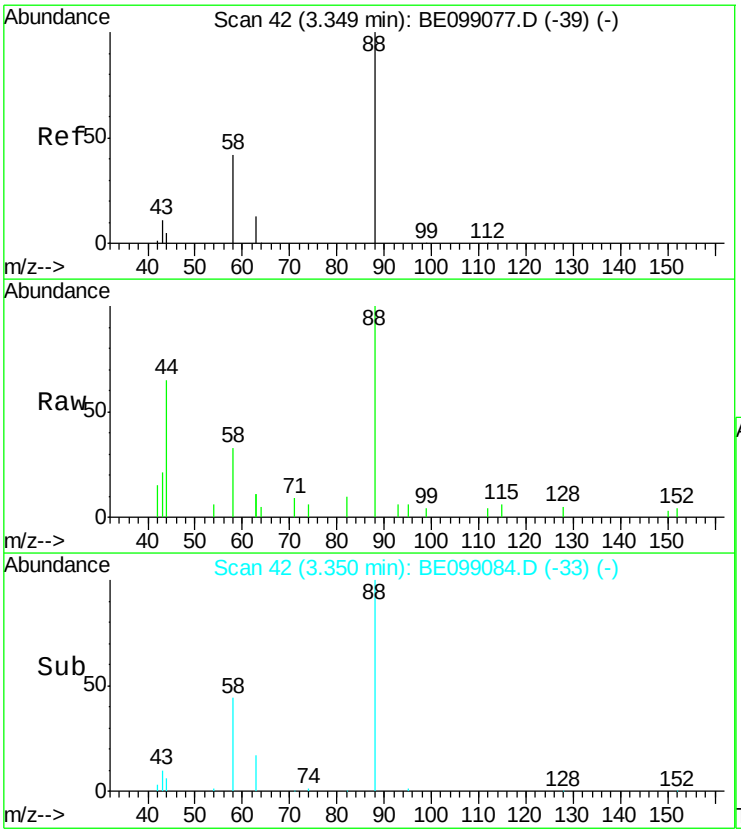
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.84 min Scan# 432
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 3192

Ion	Ratio	Lower	Upper
152	100		
150	147.7	122.5	183.7
115	66.4	57.4	86.2

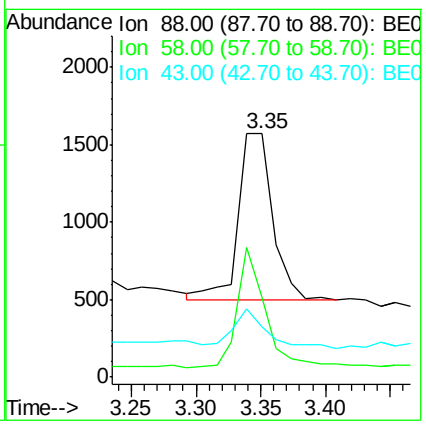


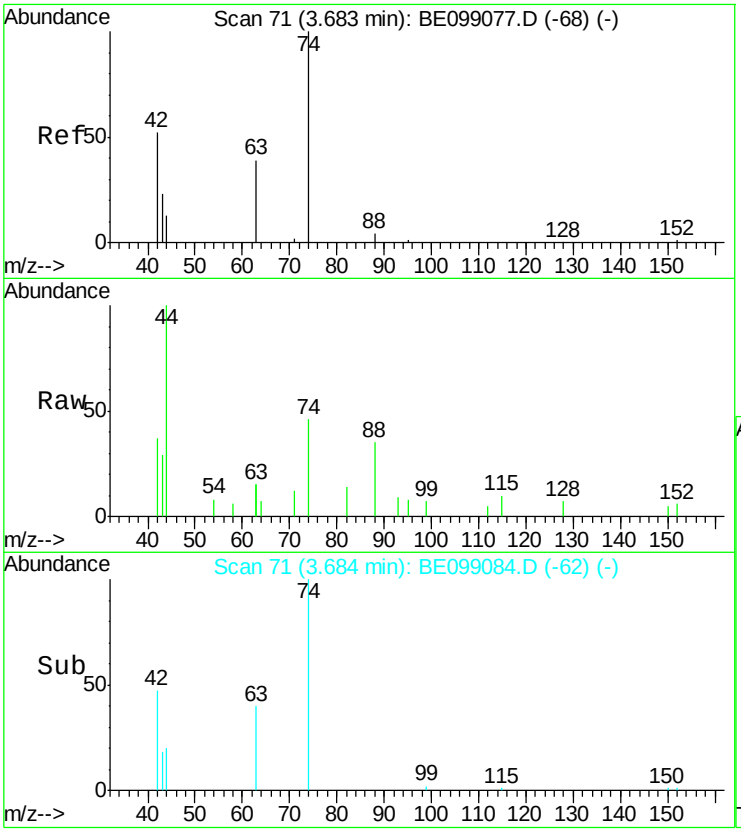


#2
1,4-Dioxane
Concen: 0.402 ng
RT: 3.35 min Scan# 42
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion: 88 Resp: 1989

Ion	Ratio	Lower	Upper
88	100		
58	57.6	52.0	78.0
43	24.1	24.0	36.0



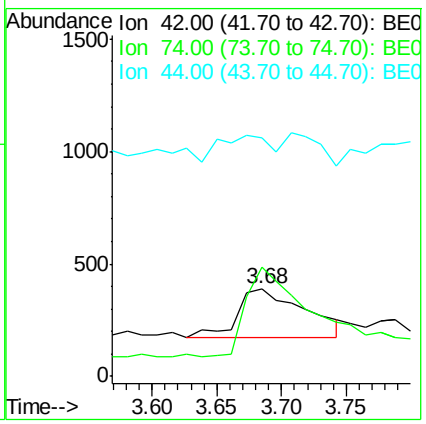


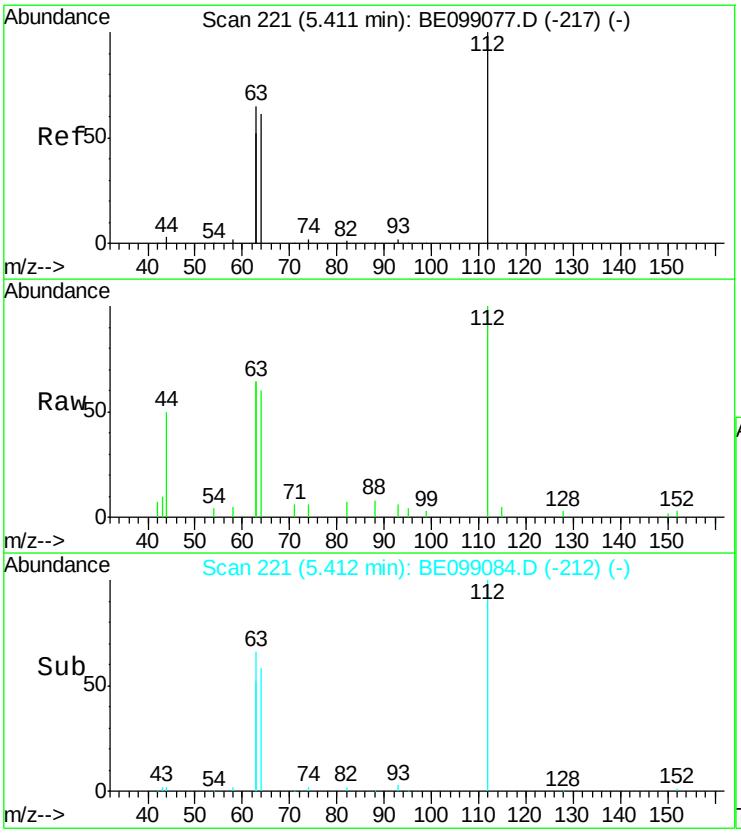
#3
n-Nitrosodimethylamine
Concen: 0.305 ng
RT: 3.68 min Scan# 71
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 42 Resp: 779

Ion	Ratio	Lower	Upper
42	100		
74	164.4	160.0	240.0
44	43.8	0.0	0.0#

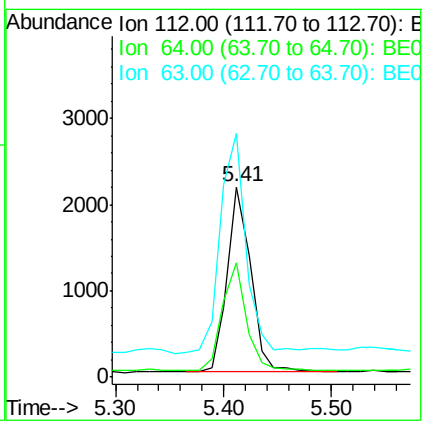


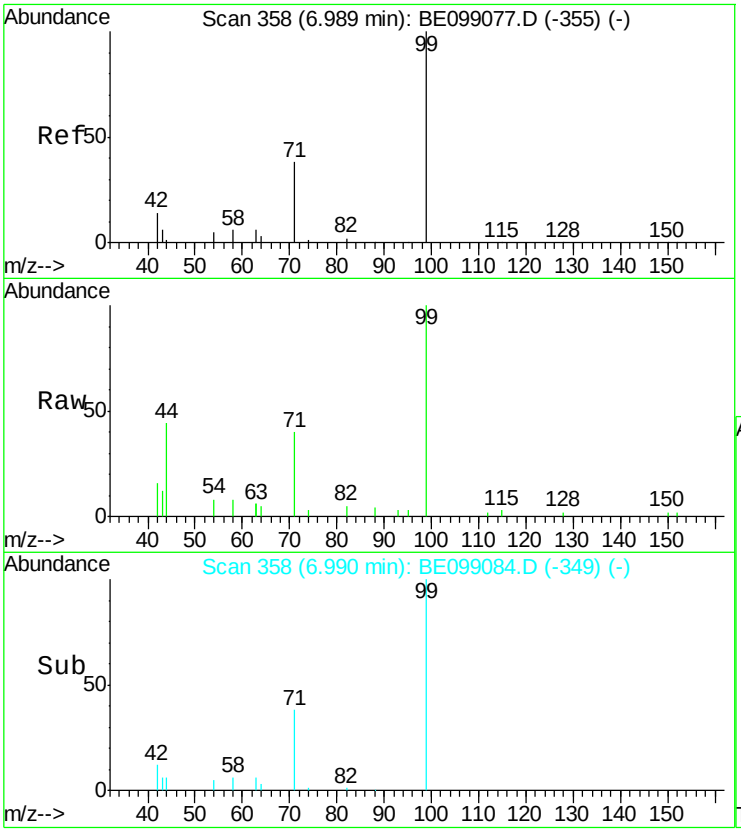


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.41 min Scan# 221
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:112 Resp: 3254

Ion	Ratio	Lower	Upper
112	100		
64	60.2	57.9	86.9
63	130.5	158.3	237.5#



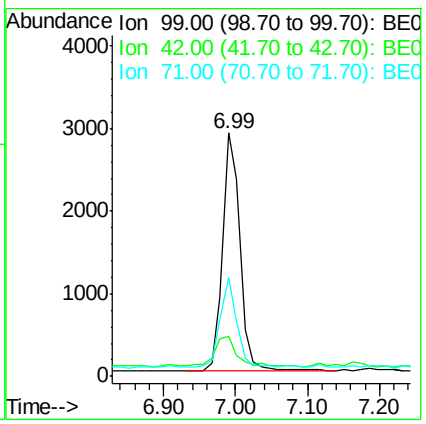


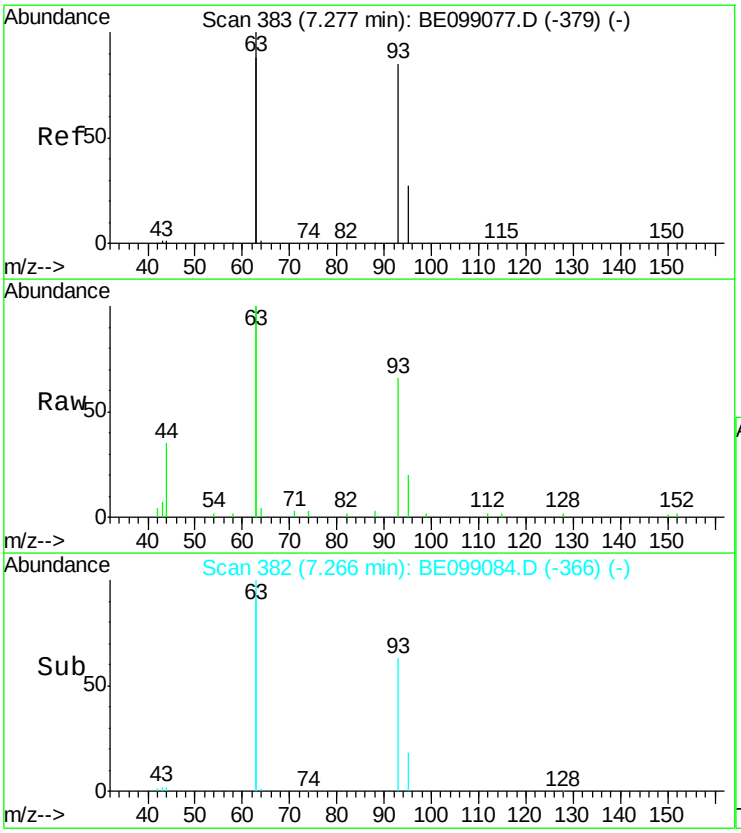
#5
Phenol-d6
Concen: 0.354 ng
RT: 6.99 min Scan# 358
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion: 99 Resp: 4844

Ion	Ratio	Lower	Upper
99	100		
42	16.8	24.2	36.2#
71	35.9	35.7	53.5

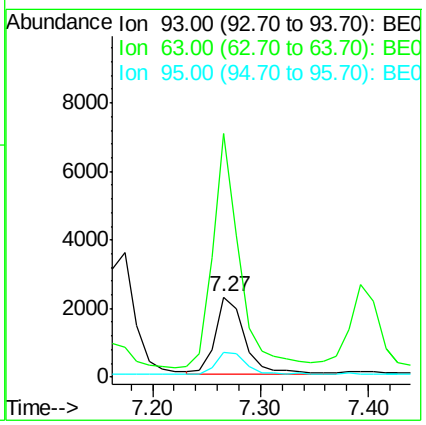


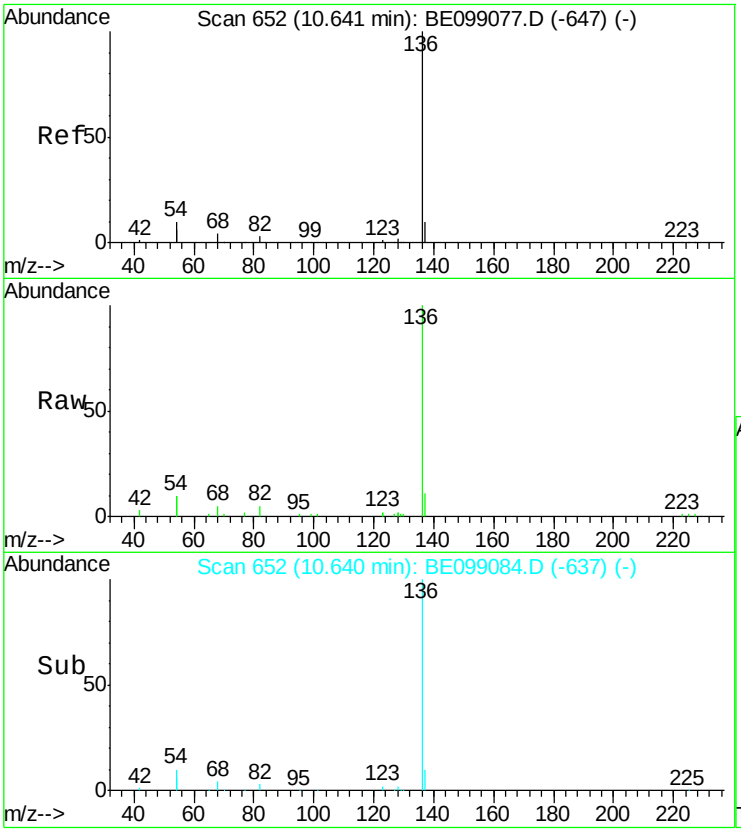


#6
bis(2-Chloroethyl)ether
Concen: 0.381 ng
RT: 7.27 min Scan# 382
Delta R.T. -0.01 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion: 93 Resp: 4234

Ion	Ratio	Lower	Upper
93	100		
63	274.4	247.5	371.3
95	29.5	21.8	32.8



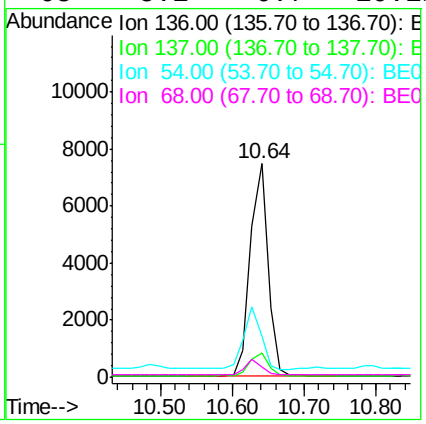


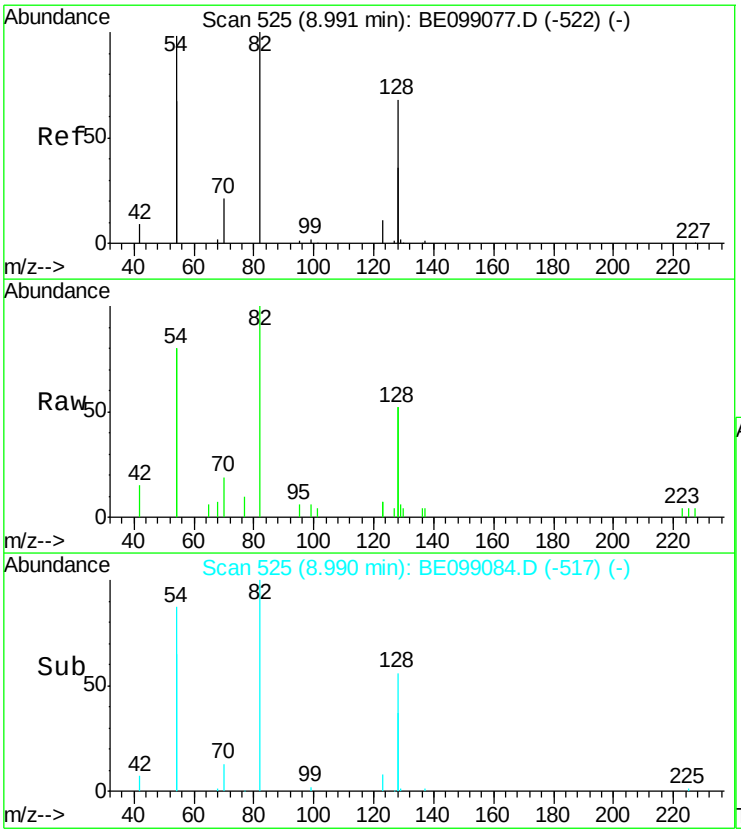
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.64 min Scan# 652
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:136 Resp: 12680

Ion	Ratio	Lower	Upper
136	100		
137	11.3	11.4	17.0#
54	19.5	39.3	58.9#
68	5.1	6.7	10.1#

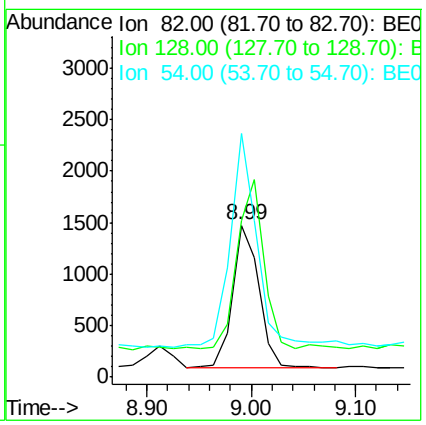


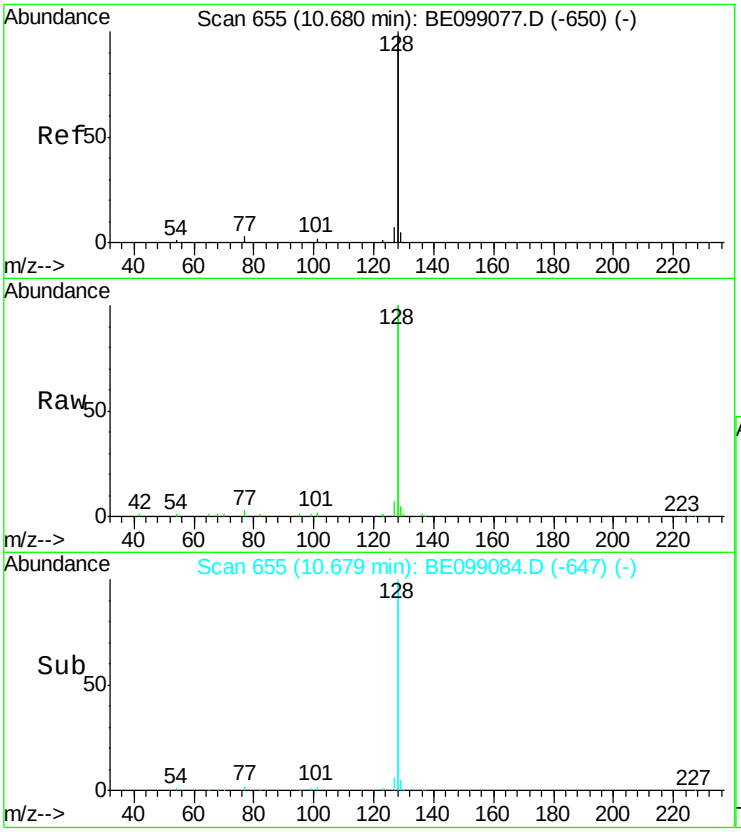


#8
Nitrobenzene-d5
Concen: 0.443 ng
RT: 8.99 min Scan# 525
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion: 82 Resp: 2453

Ion	Ratio	Lower	Upper
82	100		
128	103.5	123.8	185.8#
54	160.6	203.4	305.2#



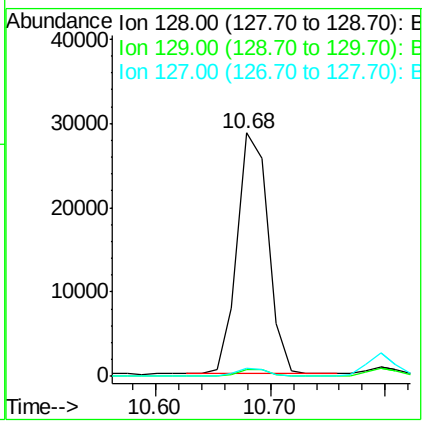


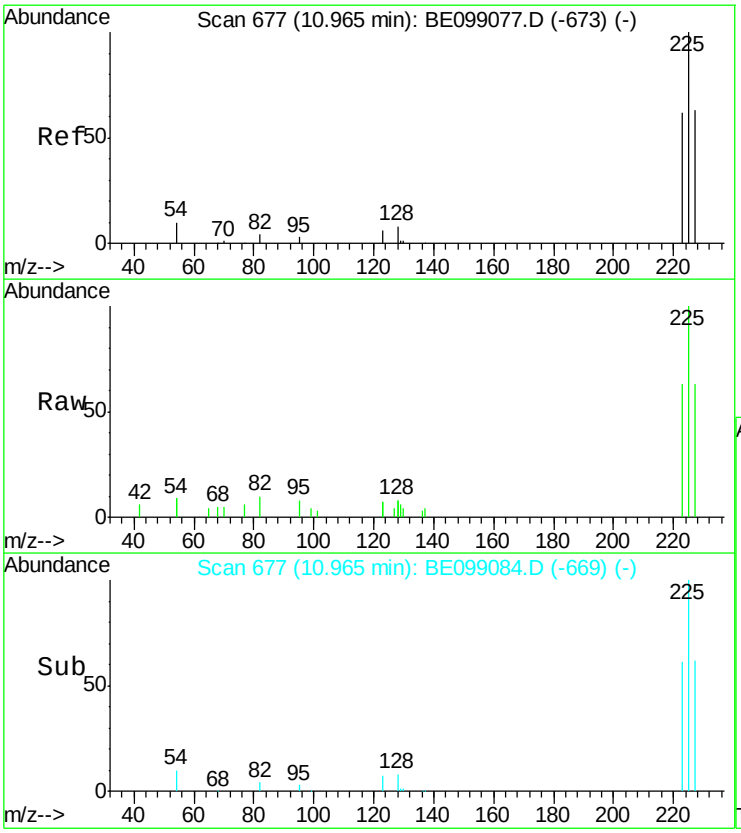
#9
Naphthalene
Concen: 0.361 ng
RT: 10.68 min Scan# 655
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:128 Resp: 53940

Ion	Ratio	Lower	Upper
128	100		
129	2.7	2.6	4.0
127	3.4	3.1	4.7

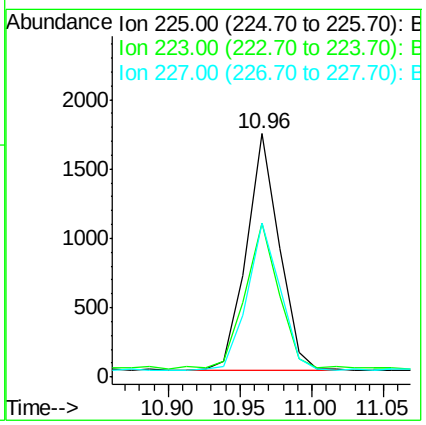


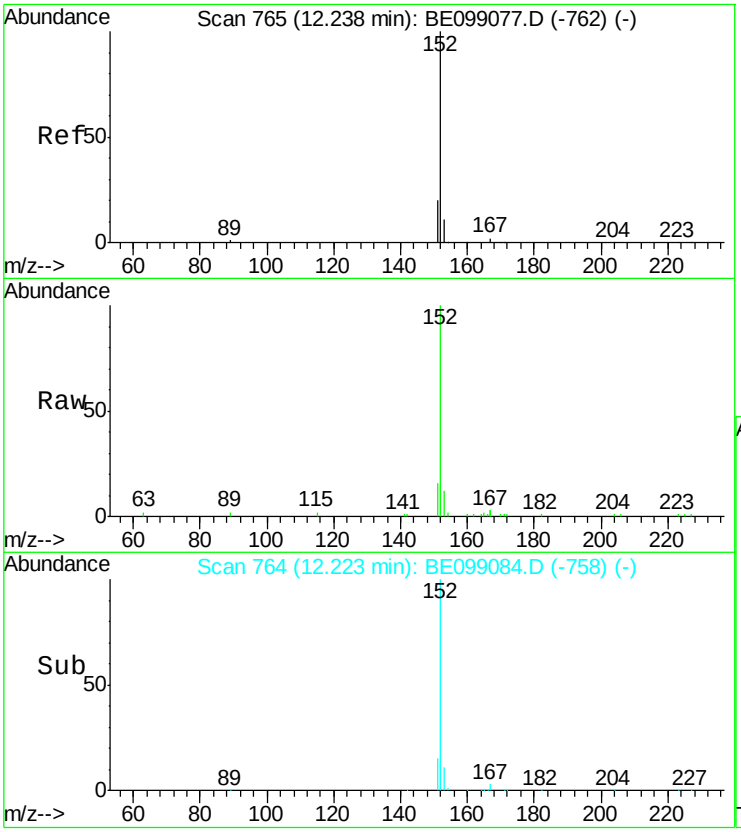


#10
Hexachlorobutadiene
Concen: 0.369 ng
RT: 10.96 min Scan# 677
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:225 Resp: 2697

Ion	Ratio	Lower	Upper
225	100		
223	63.1	51.1	76.7
227	63.4	51.6	77.4



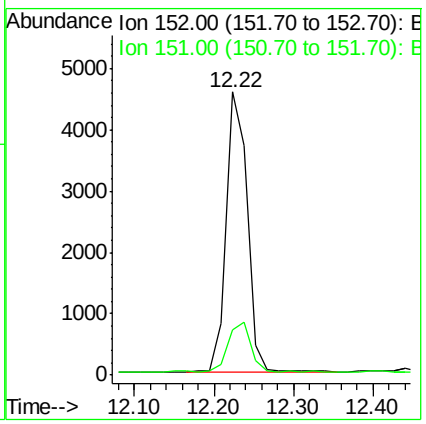


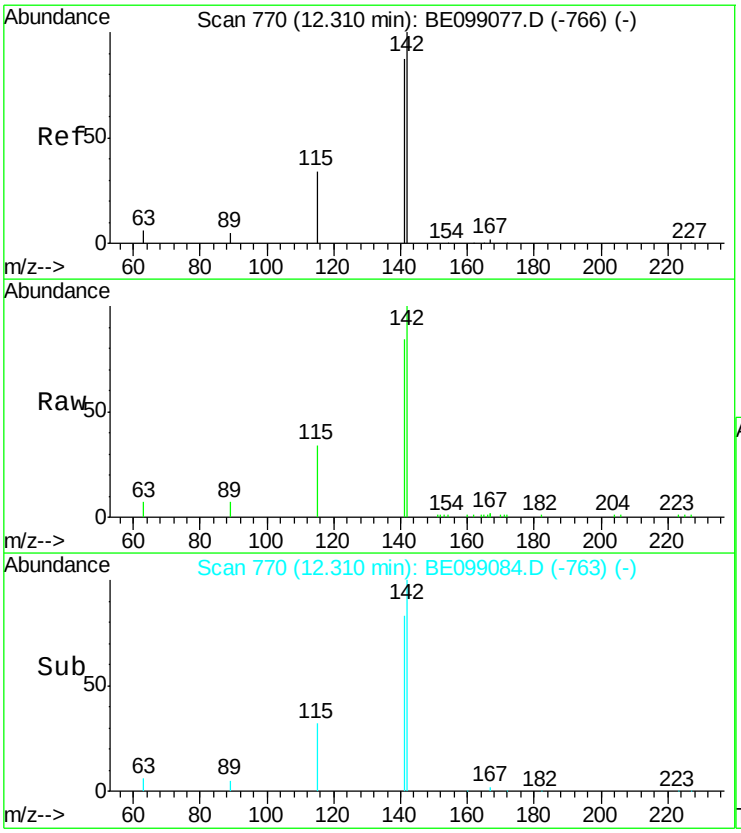
#11
2-Methylnaphthalene-d10
Concen: 0.363 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.01 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:152 Resp: 8296

Ion	Ratio	Lower	Upper
152	100		
151	19.3	16.5	24.7

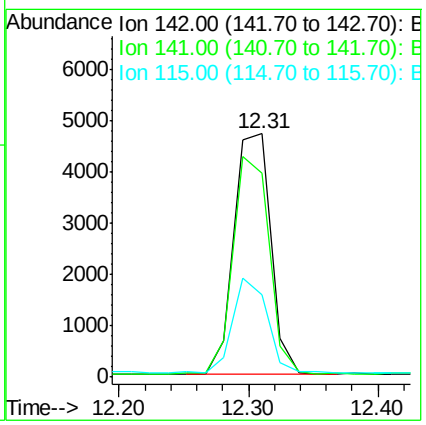


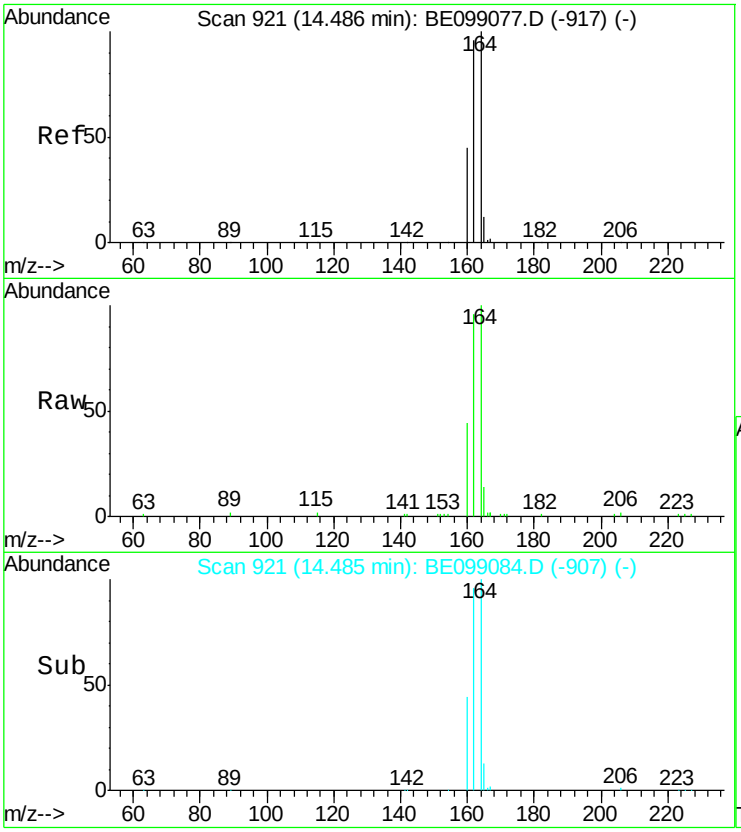


#12
2-Methylnaphthalene
Concen: 0.361 ng
RT: 12.31 min Scan# 770
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:142 Resp: 9244

Ion	Ratio	Lower	Upper
142	100		
141	83.7	72.6	108.8
115	33.9	37.4	56.2#



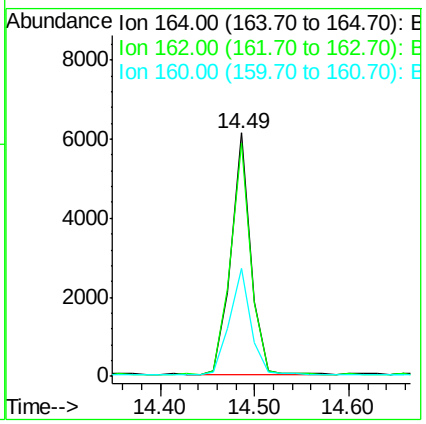


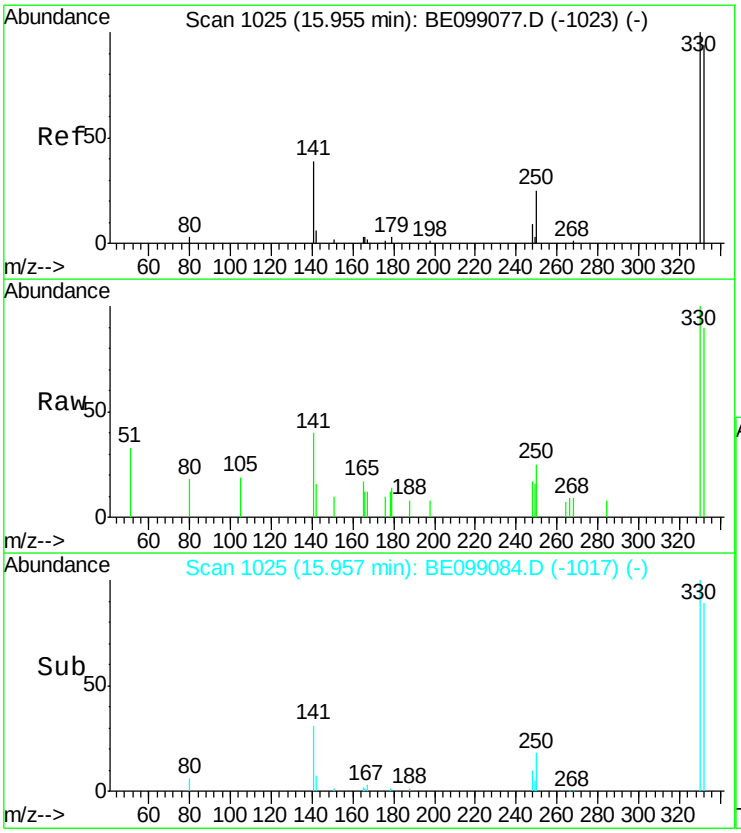
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.49 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:164 Resp: 8780

Ion	Ratio	Lower	Upper
164	100		
162	95.6	80.2	120.2
160	44.5	37.8	56.8

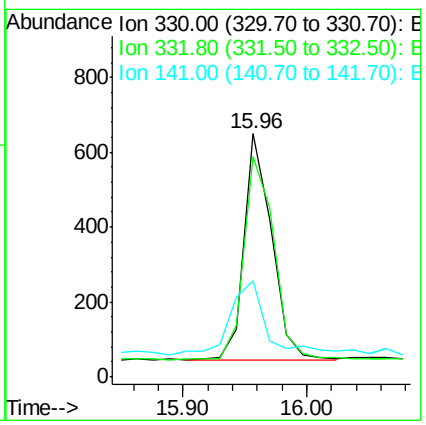


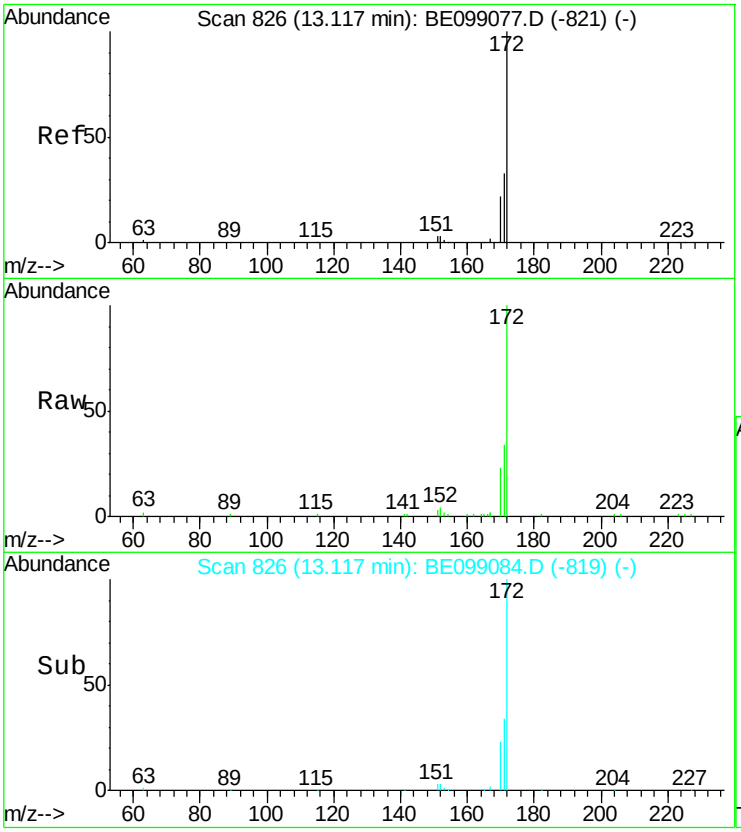


#14
2,4,6-Tribromophenol
Concen: 0.360 ng
RT: 15.96 min Scan# 1025
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:330 Resp: 929

Ion	Ratio	Lower	Upper
330	100		
332	99.6	77.6	116.4
141	42.2	31.0	46.4



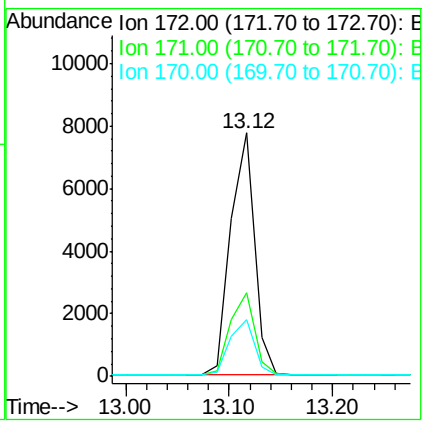


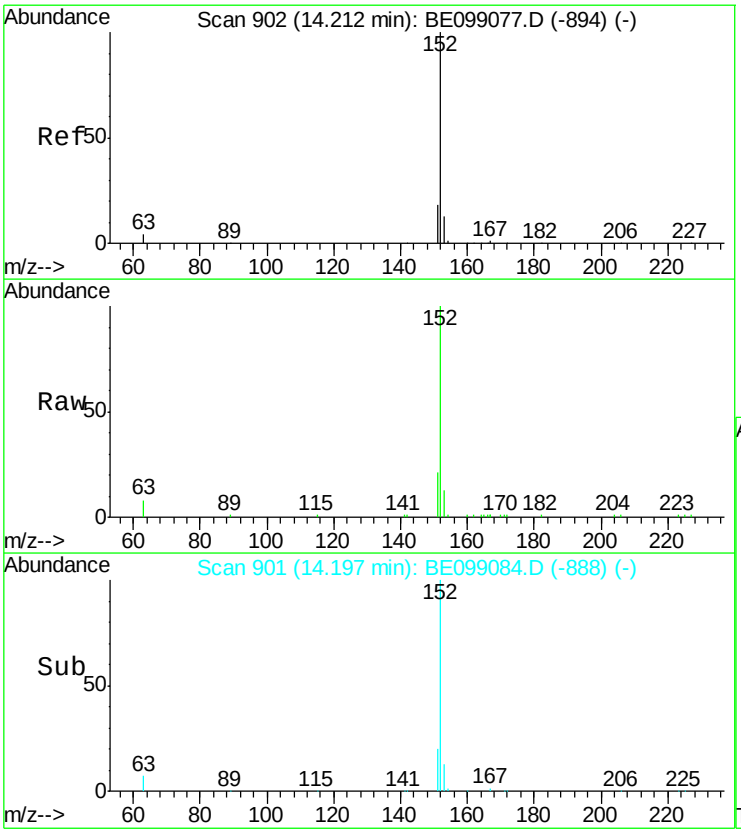
#15
2-Fluorobiphenyl
Concen: 0.354 ng
RT: 13.12 min Scan# 826
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:172 Resp: 12371

Ion	Ratio	Lower	Upper
172	100		
171	34.4	28.0	42.0
170	23.3	17.7	26.5

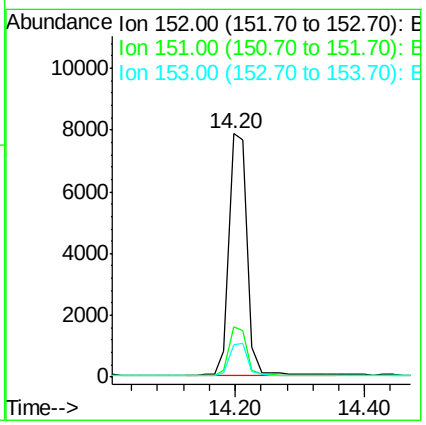


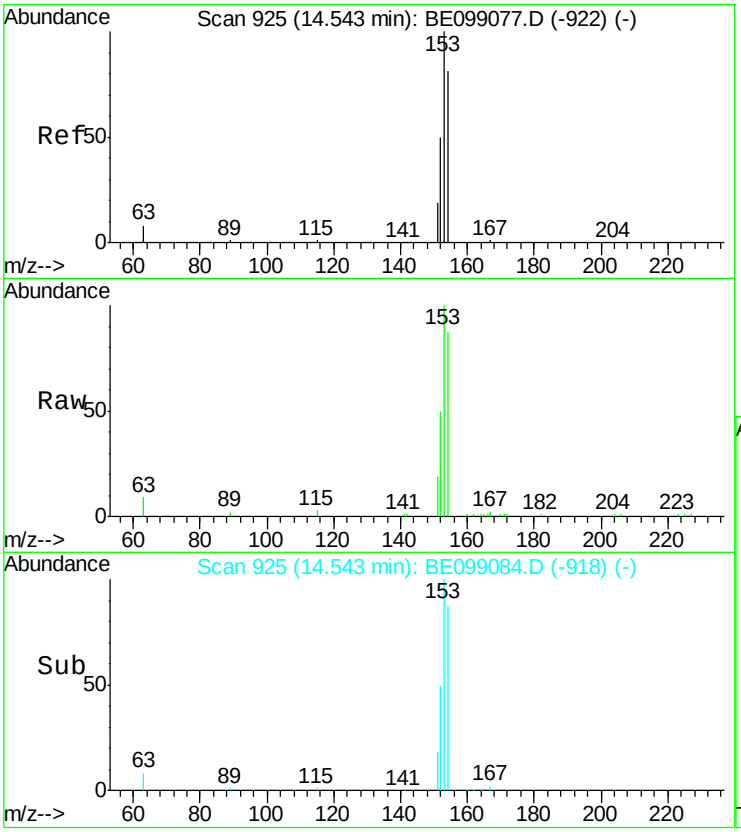


#16
Acenaphthylene
Concen: 0.324 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:152 Resp: 15197

Ion	Ratio	Lower	Upper
152	100		
151	20.0	17.0	25.6
153	13.5	11.2	16.8



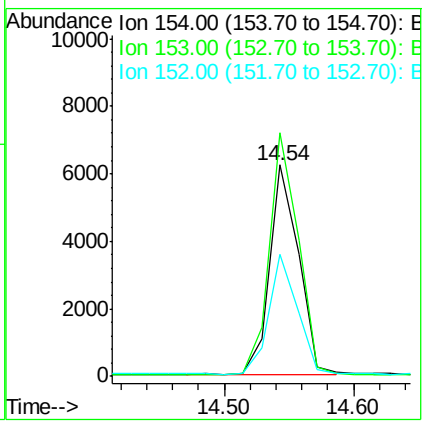


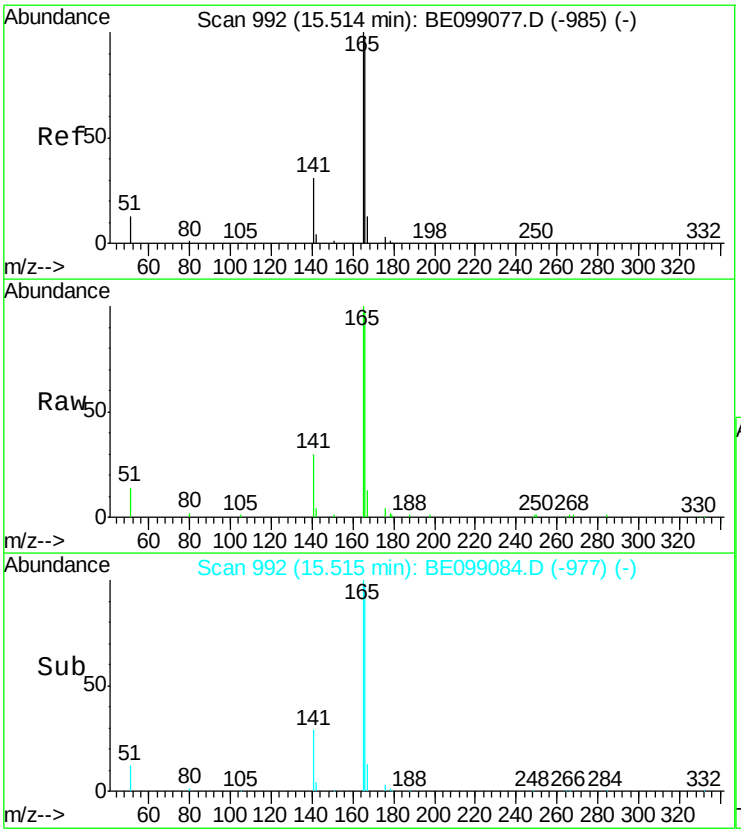
#17
Acenaphthene
Concen: 0.346 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:154 Resp: 9629

Ion	Ratio	Lower	Upper
154	100		
153	115.1	94.2	141.4
152	56.4	45.0	67.4

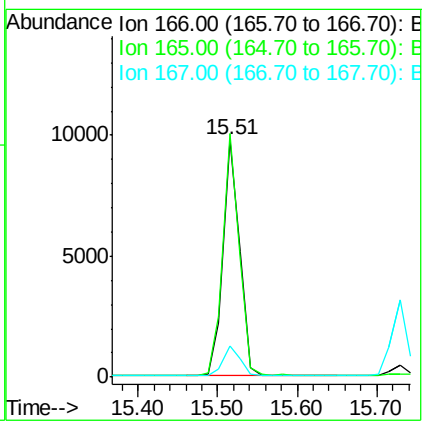


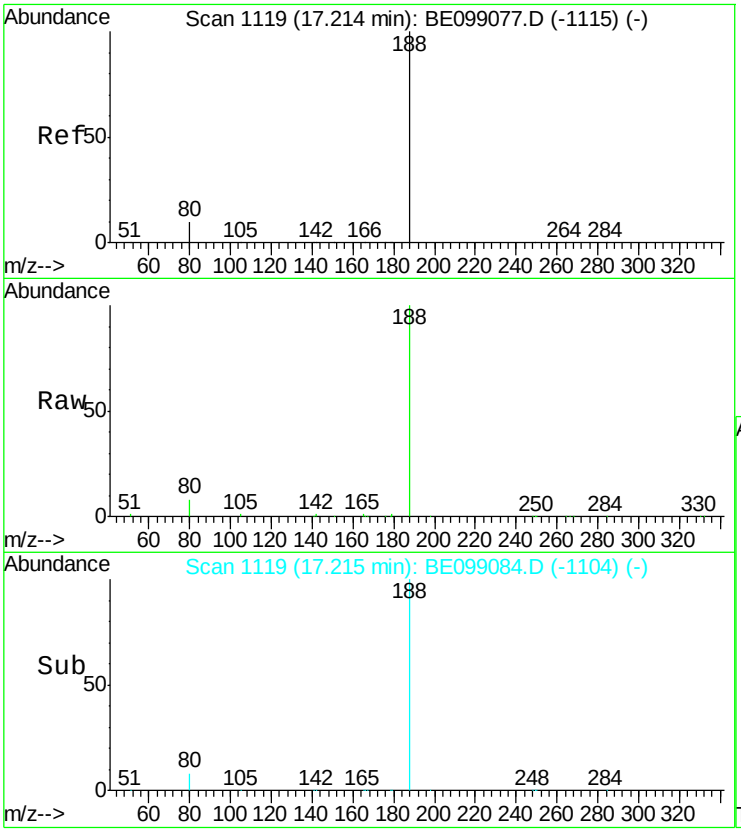


#18
Fluorene
Concen: 0.349 ng
RT: 15.51 min Scan# 992
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:166 Resp: 14133

Ion	Ratio	Lower	Upper
166	100		
165	100.4	79.3	118.9
167	13.2	10.5	15.7



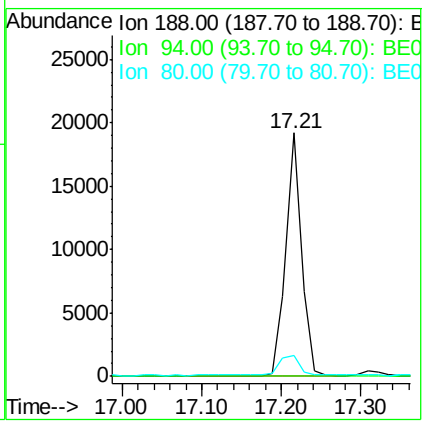


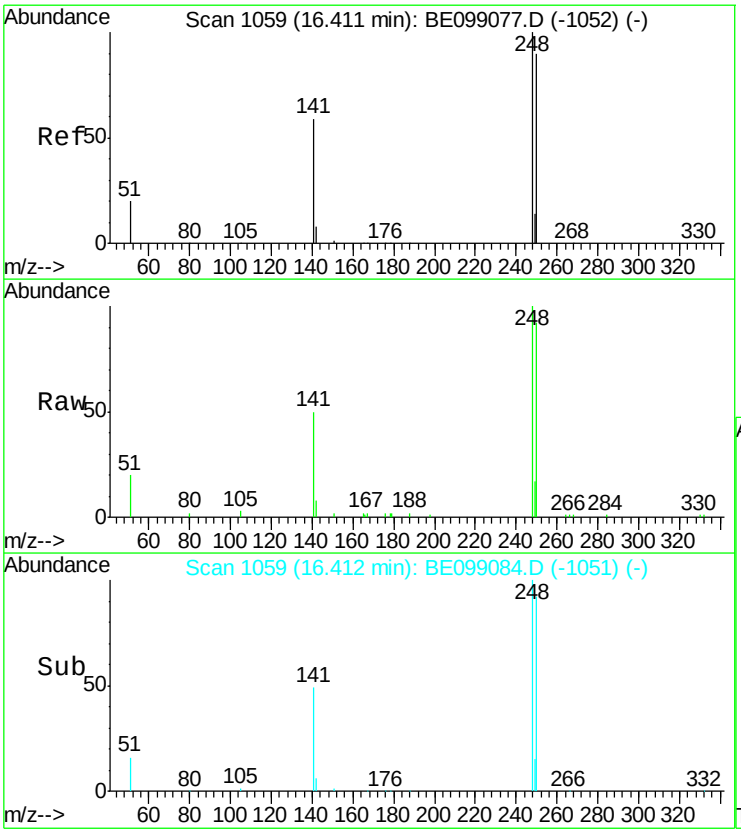
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:188 Resp: 26274

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.3	6.3	9.5

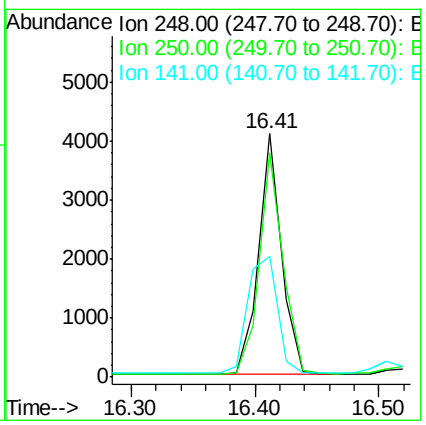


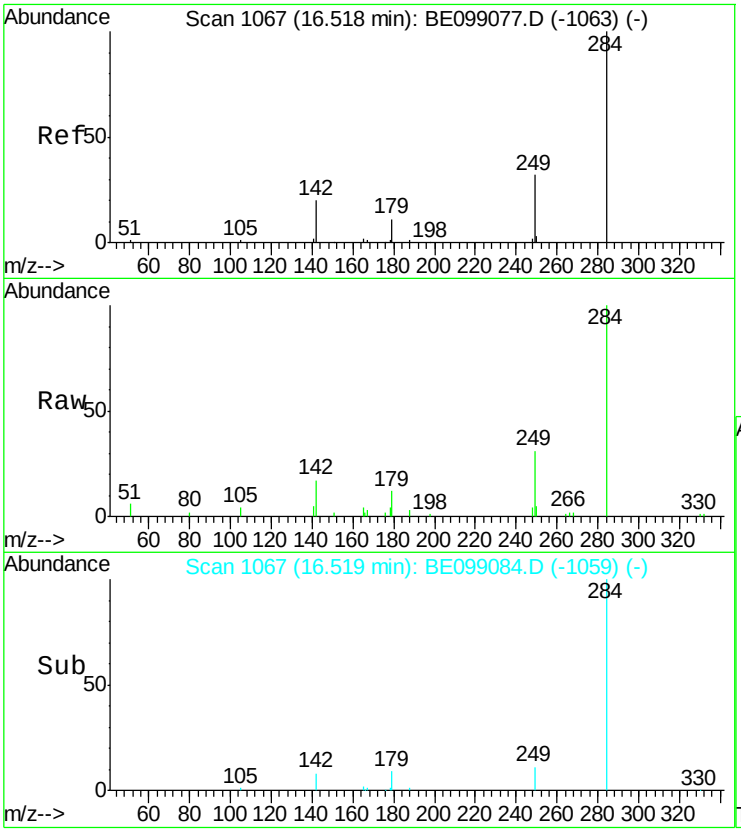


#20
4-Bromophenyl-phenylether
Concen: 0.358 ng
RT: 16.41 min Scan# 1059
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:248 Resp: 5208

Ion	Ratio	Lower	Upper
248	100		
250	92.0	70.6	105.8
141	49.8	68.6	102.8#



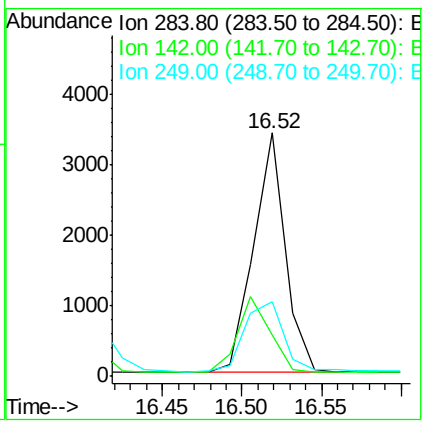


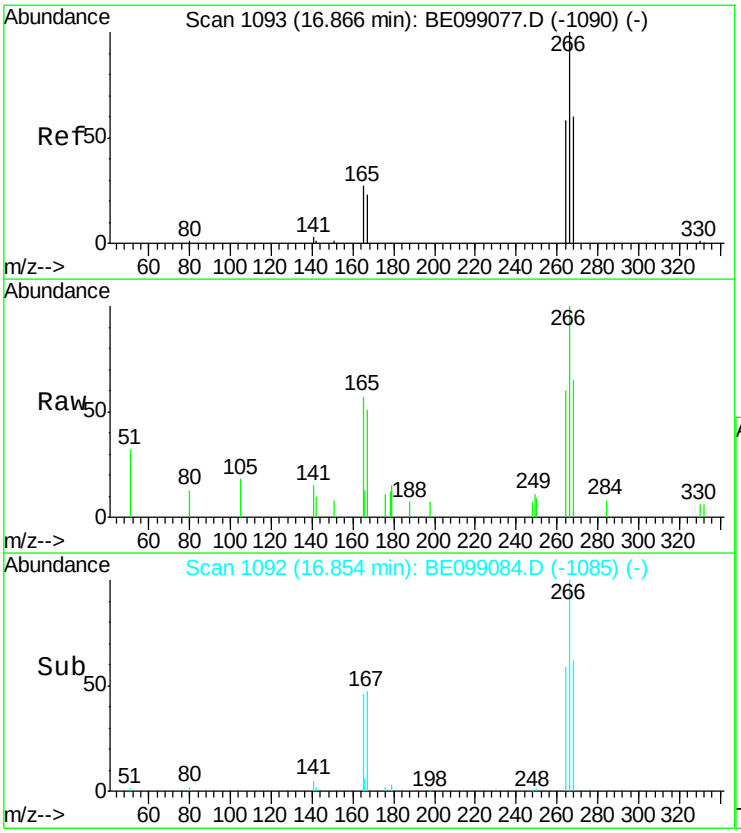
#21
Hexachlorobenzene
Concen: 0.348 ng
RT: 16.52 min Scan# 1067
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:284 Resp: 4702

Ion	Ratio	Lower	Upper
284	100		
142	32.9	28.7	43.1
249	36.8	29.6	44.4

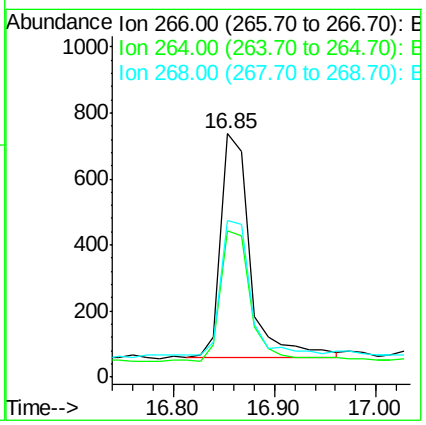


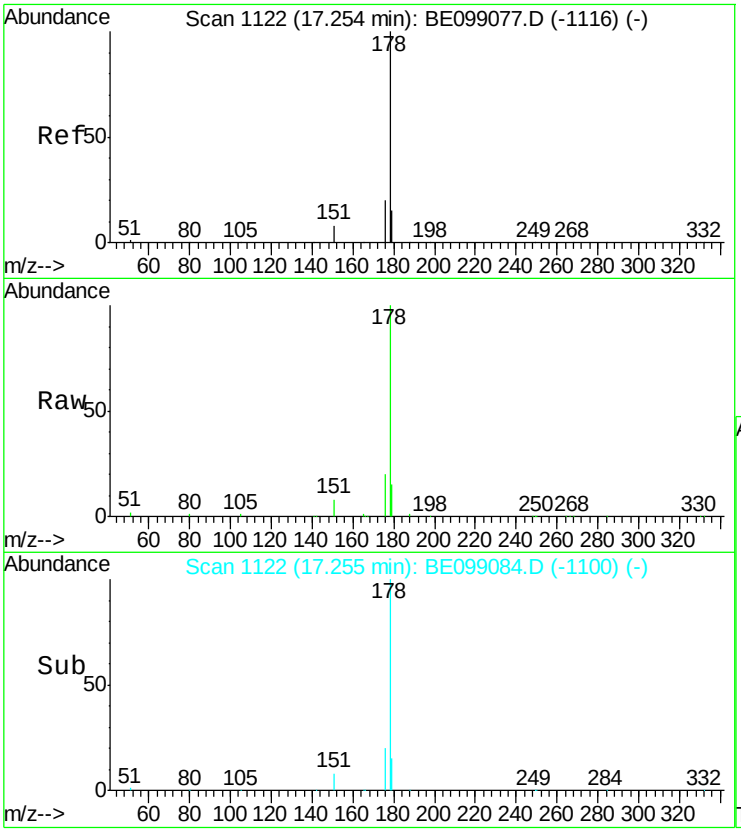


#22
Pentachlorophenol
Concen: 0.499 ng
RT: 16.85 min Scan# 1092
Delta R.T. -0.01 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:266 Resp: 1373

Ion	Ratio	Lower	Upper
266	100		
264	60.1	66.6	100.0#
268	64.6	69.8	104.8#



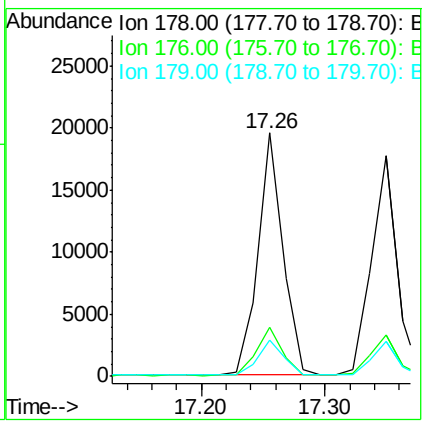


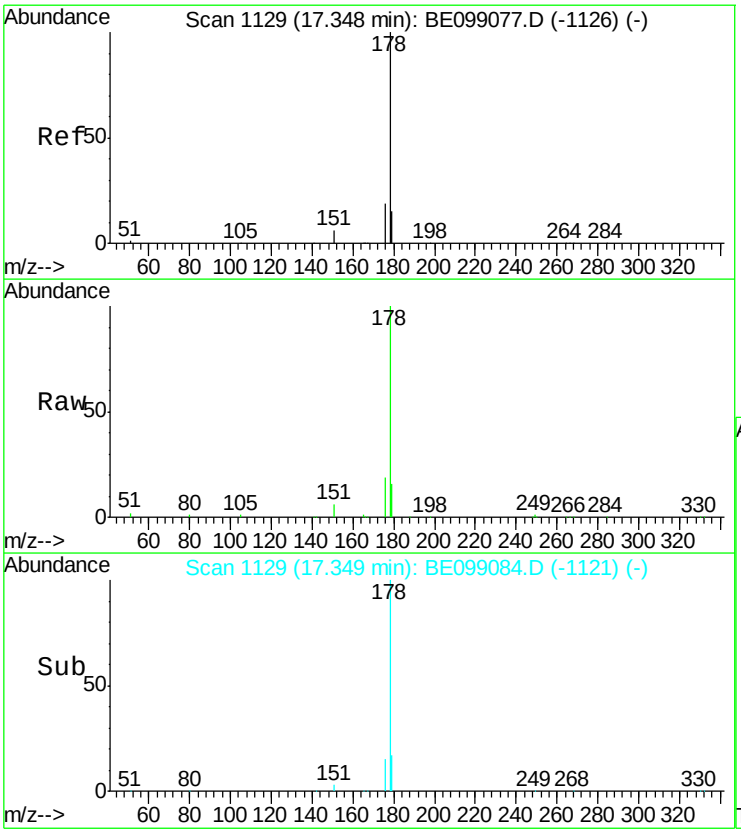
#23
Phenanthrene
Concen: 0.349 ng
RT: 17.26 min Scan# 1122
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:178 Resp: 27217

Ion	Ratio	Lower	Upper
178	100		
176	20.2	16.0	24.0
179	15.1	12.1	18.1

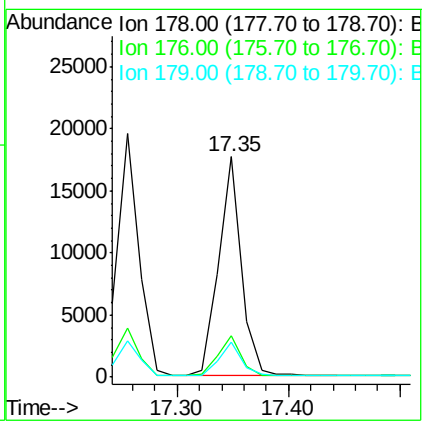


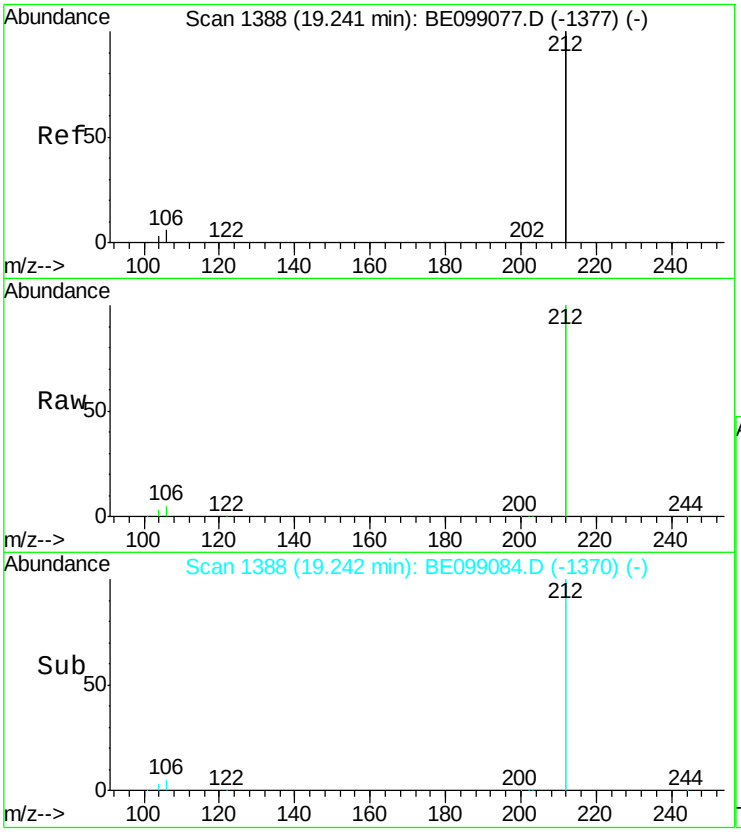


#24
Anthracene
Concen: 0.341 ng
RT: 17.35 min Scan# 1129
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:178 Resp: 25158

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.0
179	15.5	12.2	18.4



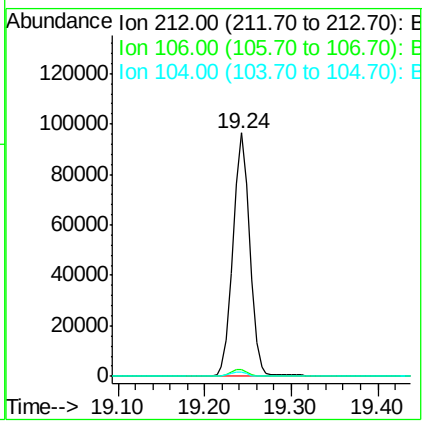


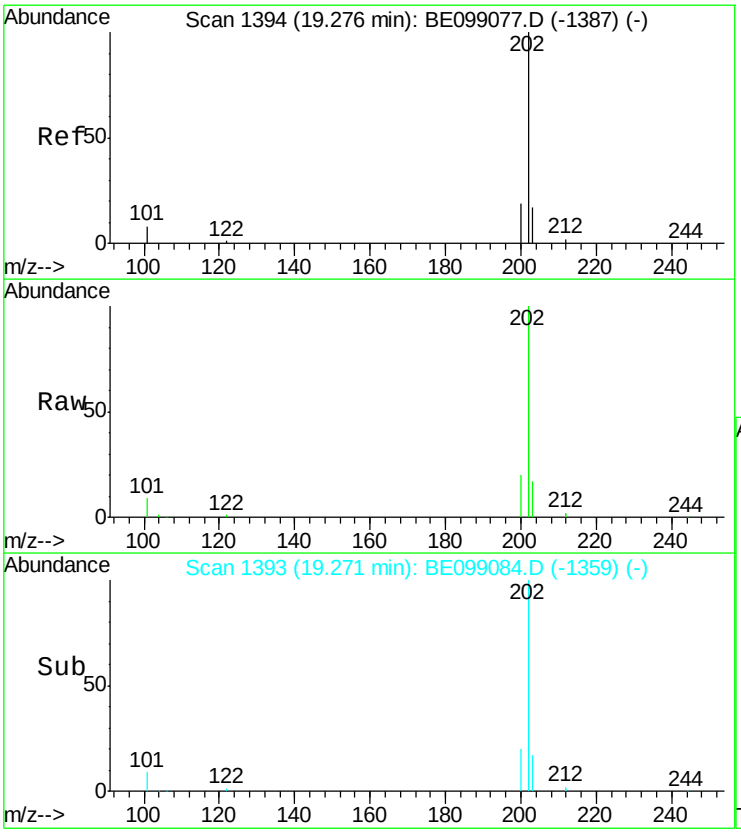
#25
Fluoranthene-d10
Concen: 0.360 ng
RT: 19.24 min Scan# 1388
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:212 Resp: 126020

Ion	Ratio	Lower	Upper
212	100		
106	2.7	1.8	2.8
104	1.6	1.0	1.6#

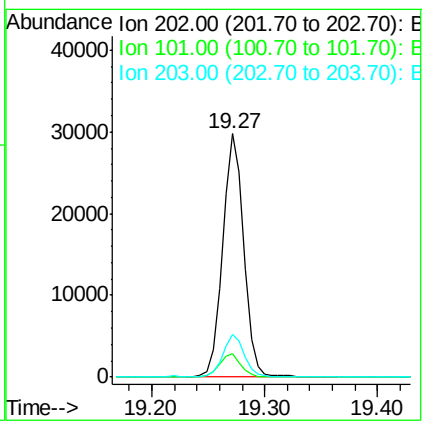


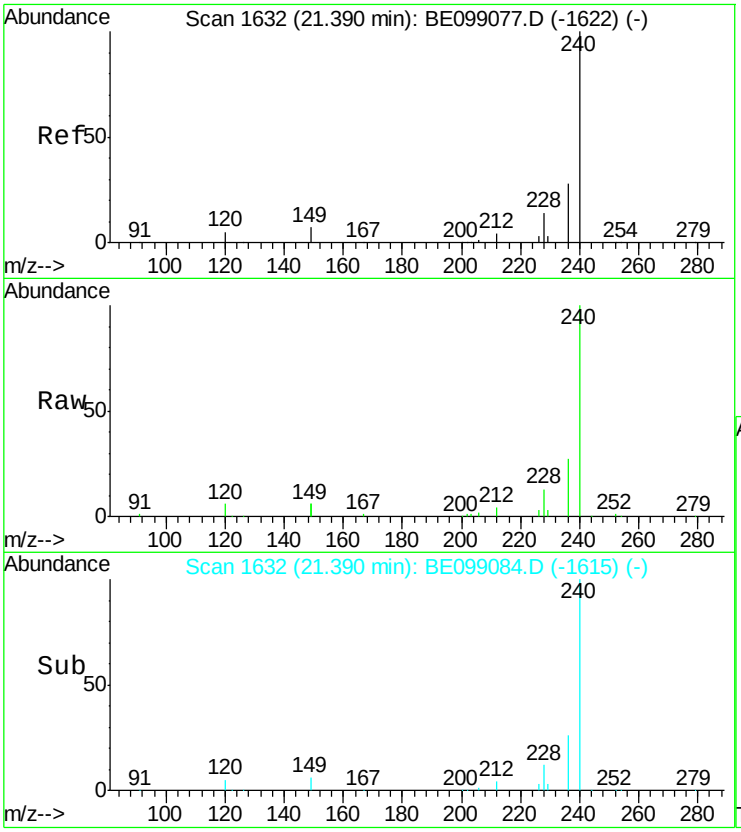


#26
Fluoranthene
Concen: 0.350 ng
RT: 19.27 min Scan# 1393
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:202 Resp: 38397

Ion	Ratio	Lower	Upper
202	100		
101	9.5	7.3	10.9
203	17.2	13.4	20.2



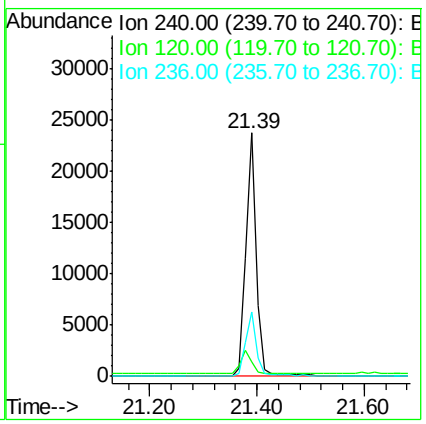


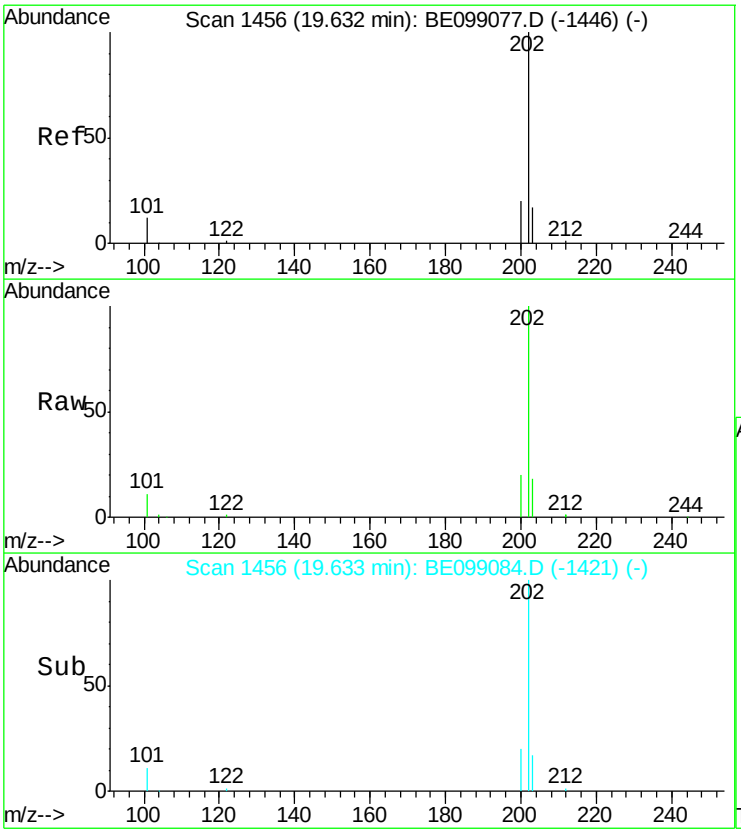
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:240 Resp: 32163

Ion	Ratio	Lower	Upper
240	100		
120	5.9	5.0	7.4
236	26.7	22.7	34.1

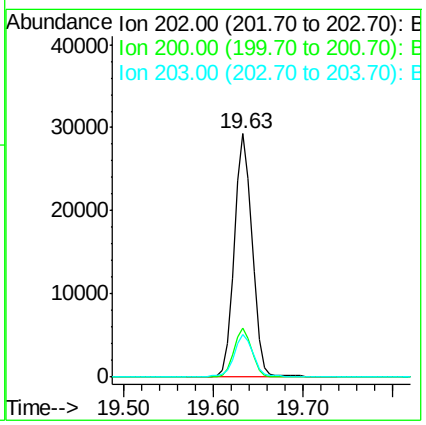


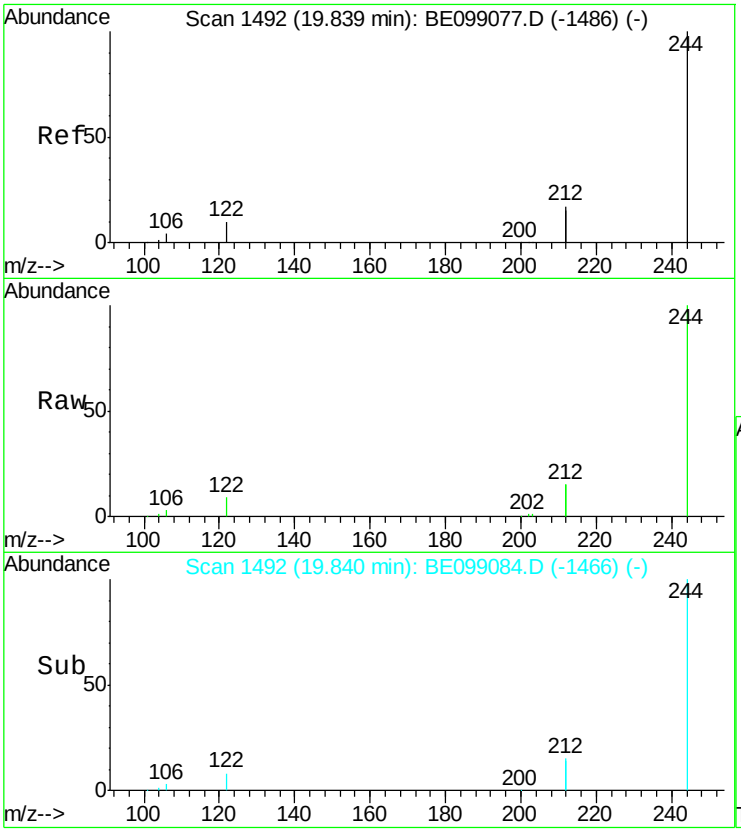


#28
Pyrene
Concen: 0.357 ng
RT: 19.63 min Scan# 1456
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:202 Resp: 38933

Ion	Ratio	Lower	Upper
202	100		
200	20.1	17.0	25.6
203	17.7	14.2	21.2



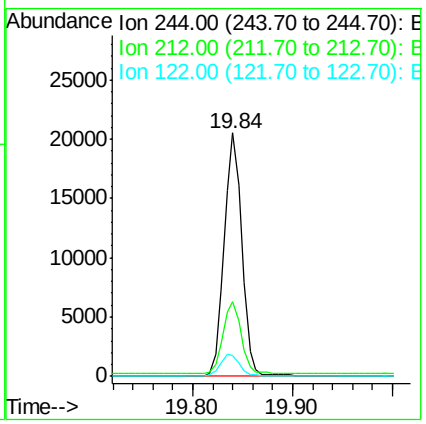


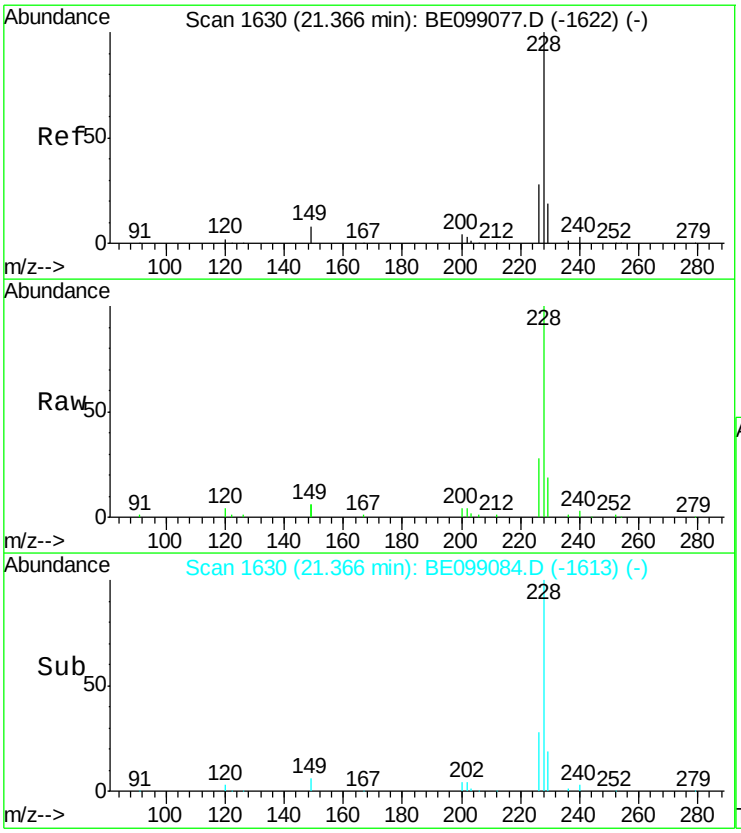
#29
Terphenyl-d14
Concen: 0.367 ng
RT: 19.84 min Scan# 1492
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:244 Resp: 24994

Ion	Ratio	Lower	Upper
244	100		
212	30.7	29.4	44.2
122	8.6	7.1	10.7

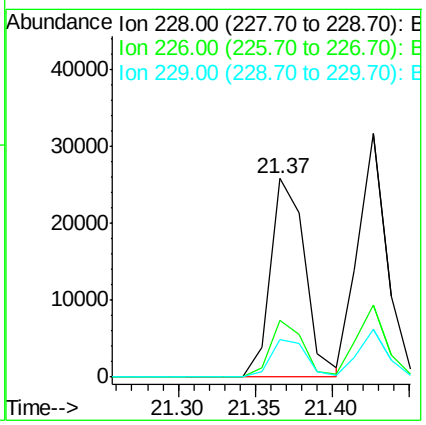


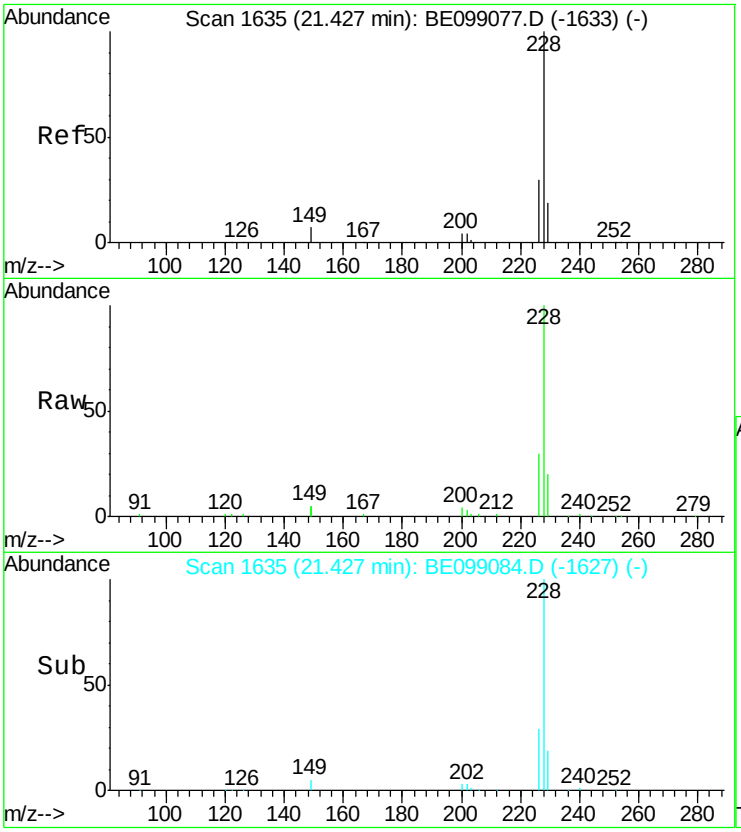


#30
Benzo(a)anthracene
Concen: 0.352 ng
RT: 21.37 min Scan# 1630
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:228 Resp: 39860

Ion	Ratio	Lower	Upper
228	100		
226	28.3	23.0	34.4
229	18.7	16.5	24.7



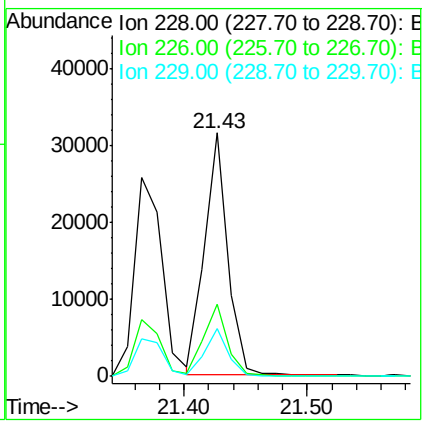


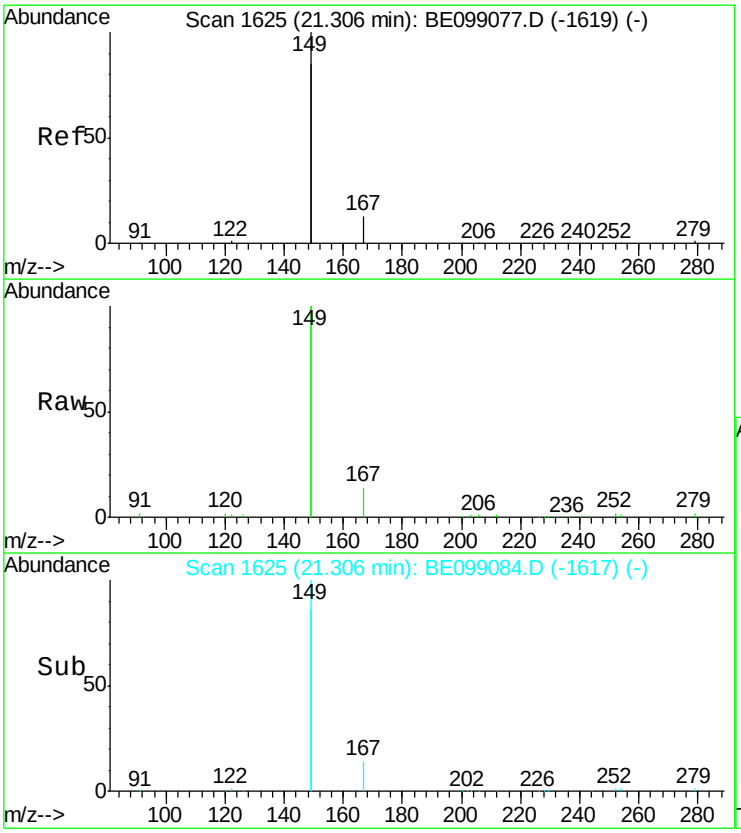
#31
Chrysene
Concen: 0.365 ng
RT: 21.43 min Scan# 1635
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:228 Resp: 41328

Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.7	35.5
229	19.6	16.1	24.1

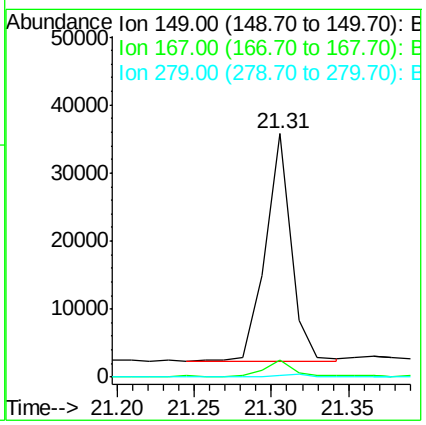


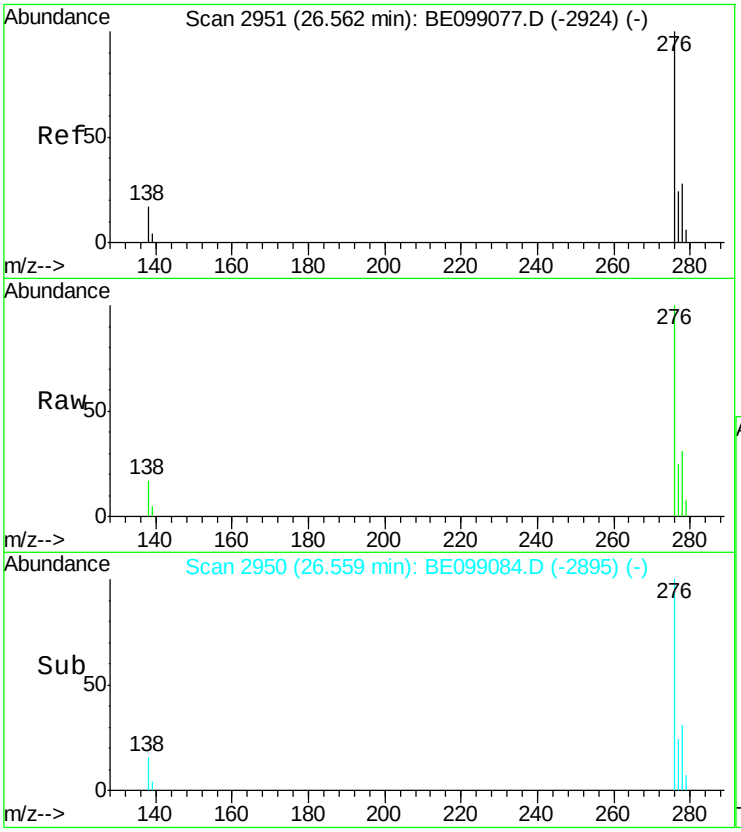


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.264 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:149 Resp: 38750

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.4	8.0
279	1.0	1.0	1.4



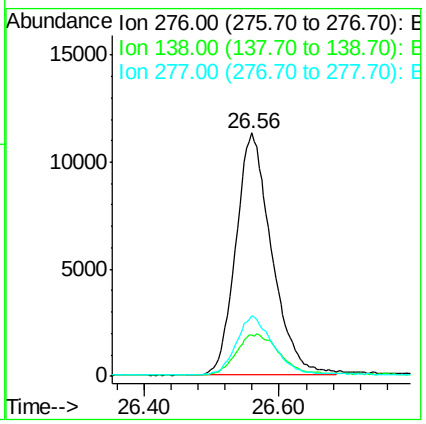


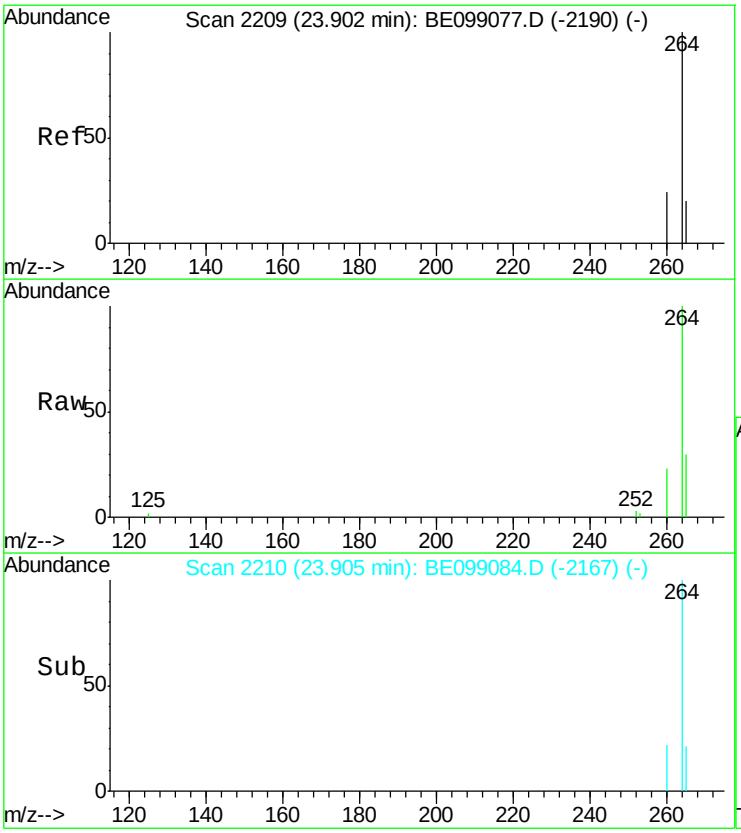
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.343 ng
RT: 26.56 min Scan# 2950
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 41806

Ion	Ratio	Lower	Upper
276	100		
138	8.7	13.8	20.8#
277	24.9	19.5	29.3

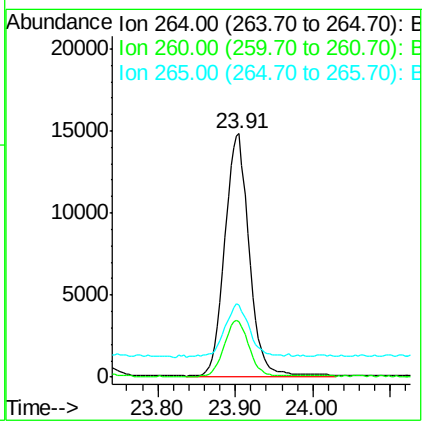


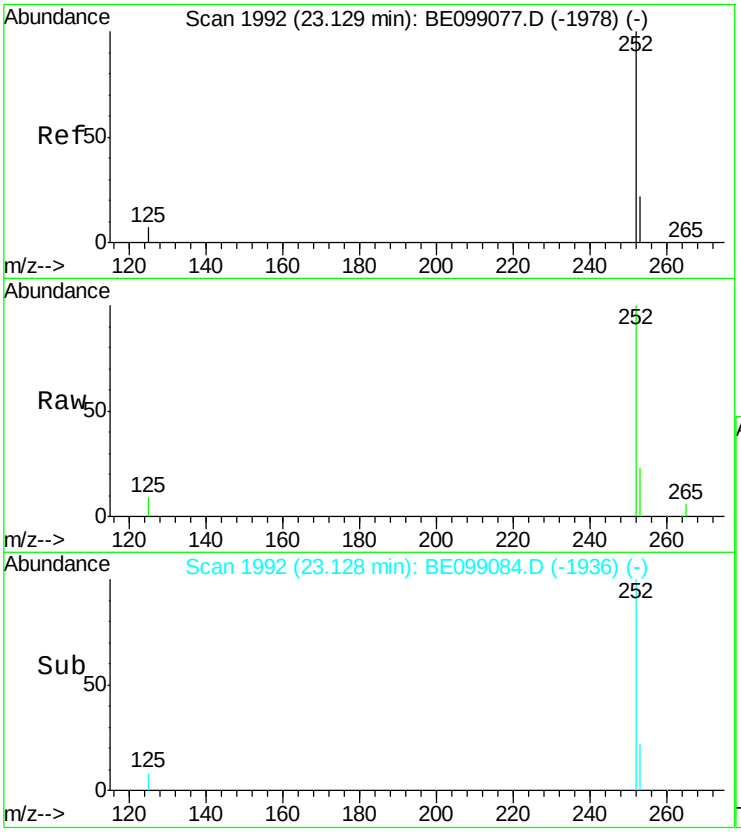


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.91 min Scan# 2210
Delta R.T. 0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:264 Resp: 32292

Ion	Ratio	Lower	Upper
264	100		
260	22.7	21.2	31.8
265	29.6	24.6	36.8



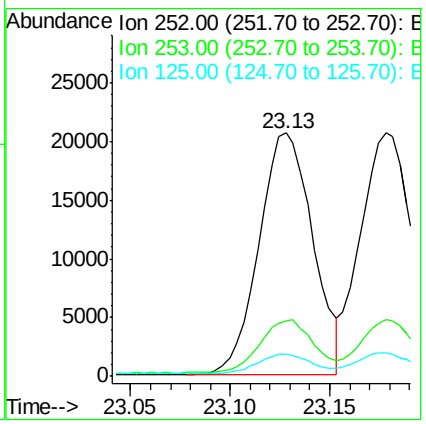


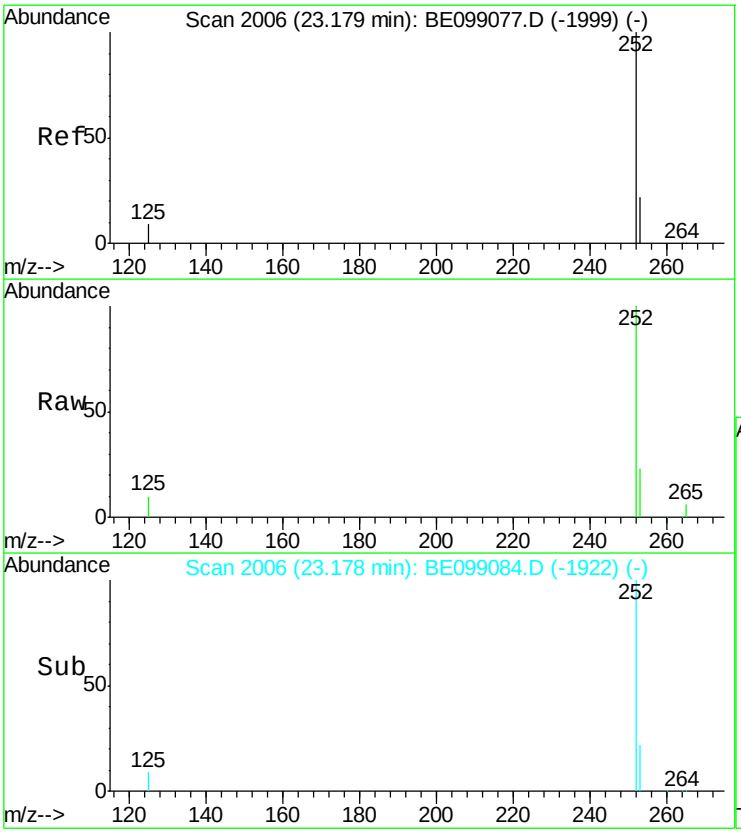
#35
Benzo(b)fluoranthene
Concen: 0.345 ng
RT: 23.13 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 38528

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.2
125	9.0	7.3	10.9

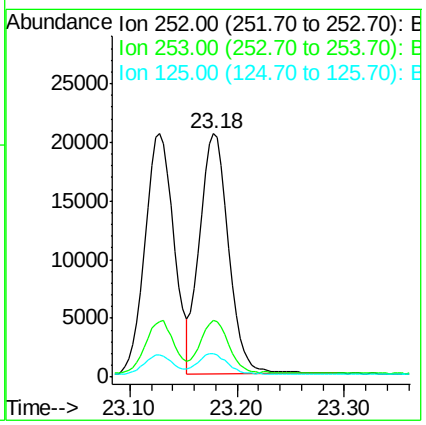


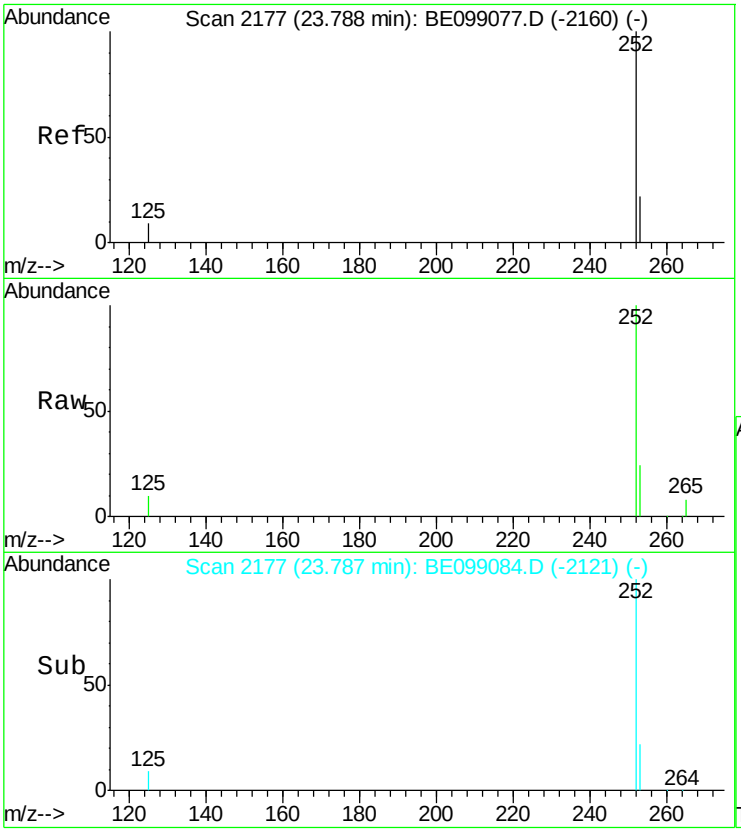


#36
Benzo(k)fluoranthene
Concen: 0.352 ng
RT: 23.18 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:252 Resp: 38583

Ion	Ratio	Lower	Upper
252	100		
253	23.4	19.3	28.9
125	9.5	7.5	11.3



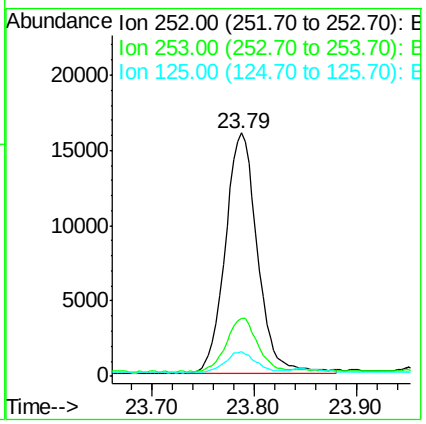


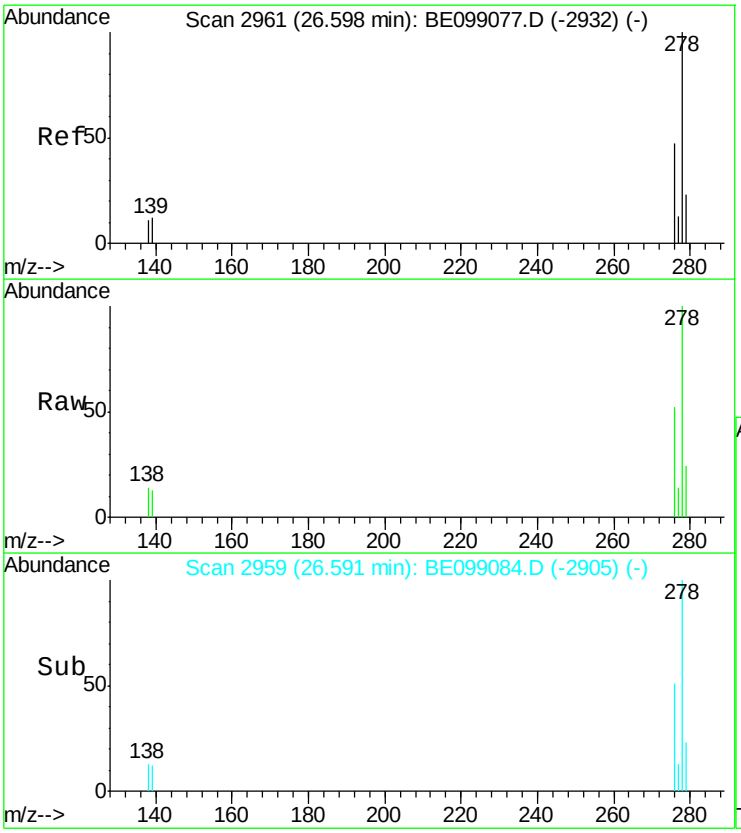
#37
Benzo(a)pyrene
Concen: 0.340 ng
RT: 23.79 min Scan# 2177
Delta R.T. -0.00 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:252 Resp: 35097

Ion	Ratio	Lower	Upper
252	100		
253	24.0	19.9	29.9
125	10.1	9.0	13.4

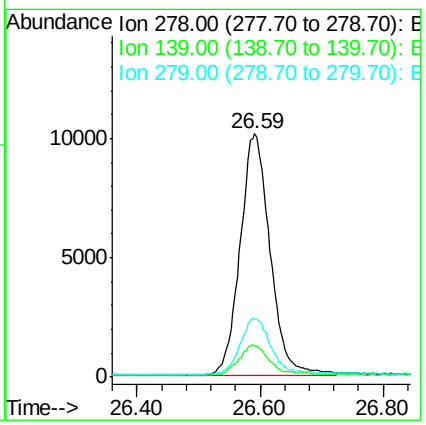


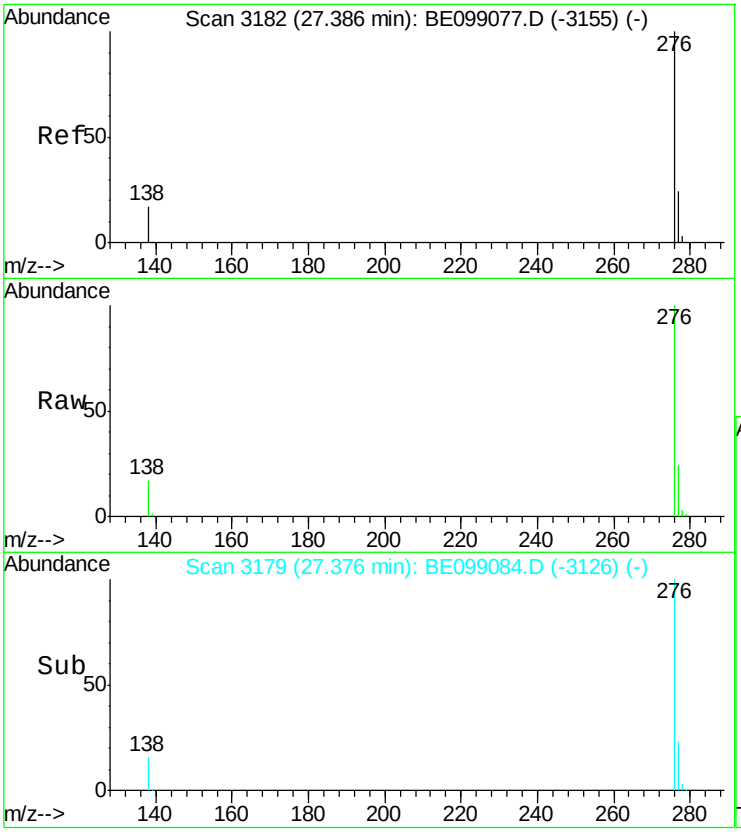


#38
Dibenzo(a,h)anthracene
Concen: 0.344 ng
RT: 26.59 min Scan# 2959
Delta R.T. -0.01 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Tgt Ion:278 Resp: 34542

Ion	Ratio	Lower	Upper
278	100		
139	12.6	11.8	17.6
279	24.0	21.1	31.7





#39
Benzo(g,h,i)perylene
Concen: 0.348 ng
RT: 27.38 min Scan# 3179
Delta R.T. -0.01 min
Lab File: BE099084.D
Acq: 22 Mar 2019 17:27

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4

Tgt Ion:276 Resp: 35866

Ion	Ratio	Lower	Upper
276	100		
277	23.6	20.4	30.6
138	17.2	13.6	20.4