Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE040219\
Data File : BE099284.D
Acq On : 2 Apr 2019 21:21
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc : LOQ 0.2 PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: Apr 03 05:18:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	3211	0.40	ng		-0.02
7) Naphthalene-d8	10.61	136	11413	0.40	ng		-0.01
13) Acenaphthene-d10	14.46	164	7747	0.40	ng		-0.03
19) Phenanthrene-d10	17.19	188	22908	0.40	ng		-0.03
27) Chrysene-d12	21.37	240	32275	0.40	ng		-0.02
34) Perylene-d12	23.86	264	34049	0.40	ng		-0.03
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	3239	0.38	ng		-0.02
5) Phenol-d6	6.97	99	4493	0.38	ng		-0.02
8) Nitrobenzene-d5	8.96	82	3265	0.42	ng		-0.03
11) 2-Methylnaphthalene-d10	12.21	152	7910	0.40	ng		-0.01
14) 2,4,6-Tribromophenol	15.94	330	1249	0.35	ng		-0.01
15) 2-Fluorobiphenyl	13.09	172	12937	0.42	ng		-0.01
25) Fluoranthene-d10	19.22	212	114216	0.38	ng		-0.02
29) Terphenyl-d14	19.82	244	23883	0.41	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.32	88	1817	0.415	ng		95
3) n-Nitrosodimethylamine	3.65	42	878	0.340	ng	#	88
6) bis(2-Chloroethyl)ether	7.24	93	4120	0.392	ng		99
9) Naphthalene	10.65	128	51124	0.412	ng		99
10) Hexachlorobutadiene	10.94	225	3260	0.404	ng		97
12) 2-Methylnaphthalene	12.28	142	8421	0.399	ng		96
16) Acenaphthylene	14.18	152	13492	0.368	ng		100
17) Acenaphthene	14.53	154	8676	0.401	ng		99
18) Fluorene	15.49	166	12377	0.396	ng		99
20) 4-Bromophenyl-phenylether	16.38	248	4920	0.378	ng	#	84
21) Hexachlorobenzene	16.49	284	5088	0.411	ng		98
22) Pentachlorophenol	16.84	266	1479	0.288	ng		94
23) Phenanthrene	17.23	178	23837	0.402	ng		100
24) Anthracene	17.32	178	20743	0.371	ng		100
26) Fluoranthene	19.25	202	33274	0.380	ng		99
28) Pyrene	19.61	202	33969	0.399	ng		100
30) Benzo(a)anthracene	21.34	228	38981	0.384	ng		99
31) Chrysene	21.40	228	40366	0.405	ng		97
32) Bis(2-ethylhexyl)phthalate	21.27	149	36219	0.280	ng		99
33) Indeno(1,2,3-cd)pyrene	26.50	276	45913	0.403	ng		98
35) Benzo(b)fluoranthene	23.09	252	40955	0.403	ng		99
36) Benzo(k)fluoranthene	23.14	252	40280	0.407	ng		99
37) Benzo(a)pyrene	23.75	252	36830	0.386	ng		98
38) Dibenzo(a,h)anthracene	26.52	278	38075	0.401	ng		99
39) Benzo(g,h,i)perylene	27.31	276	37858	0.400	ng		99

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

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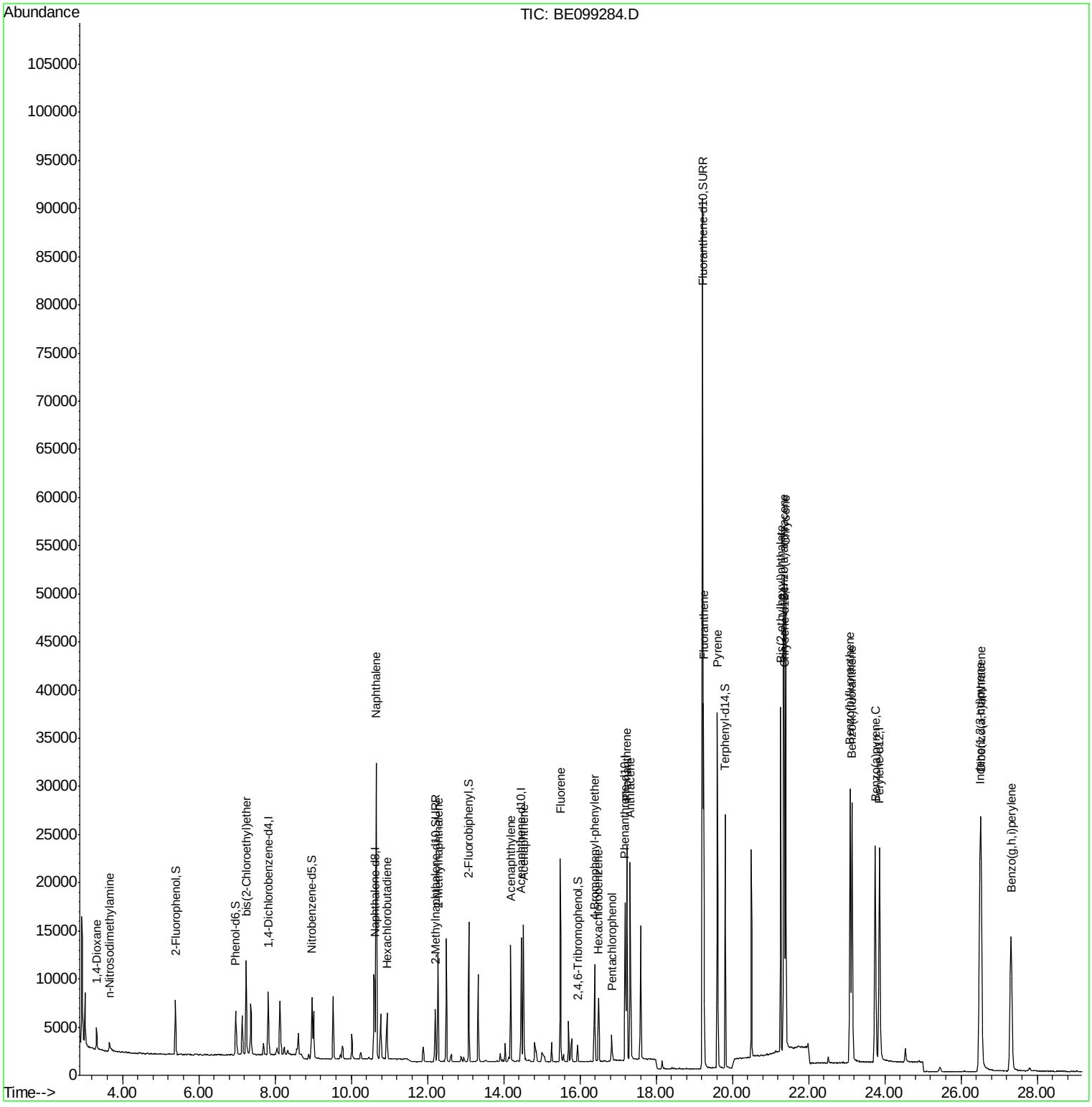
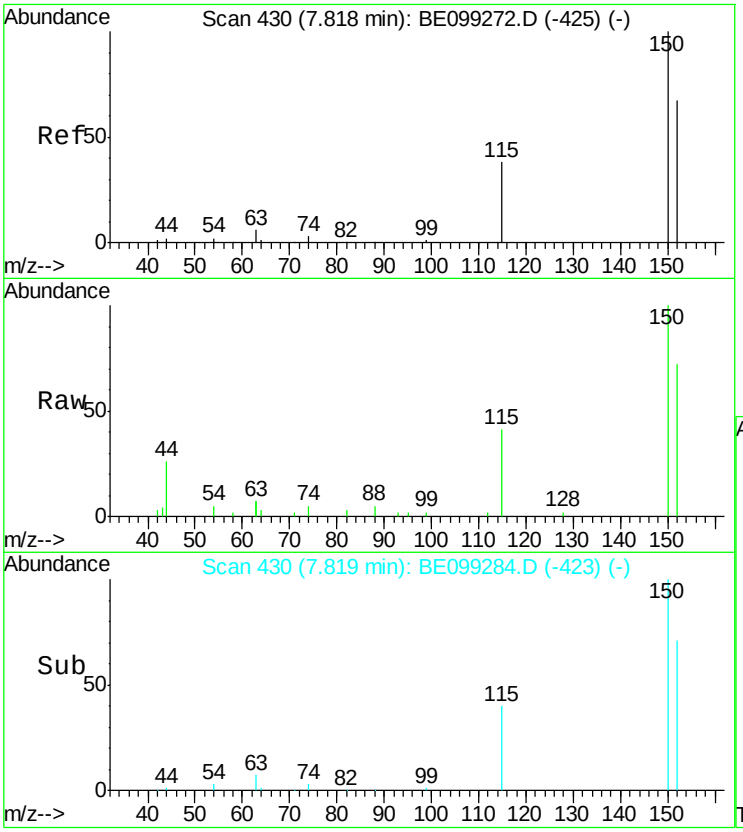
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc : LOQ 0.2 PPM
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: Apr 03 05:18:31 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE040219.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Apr 02 17:16:42 2019
Response via : Initial Calibration



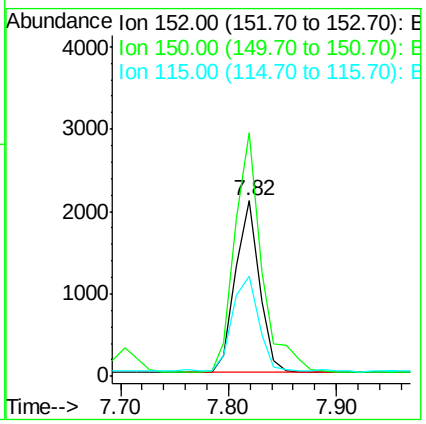


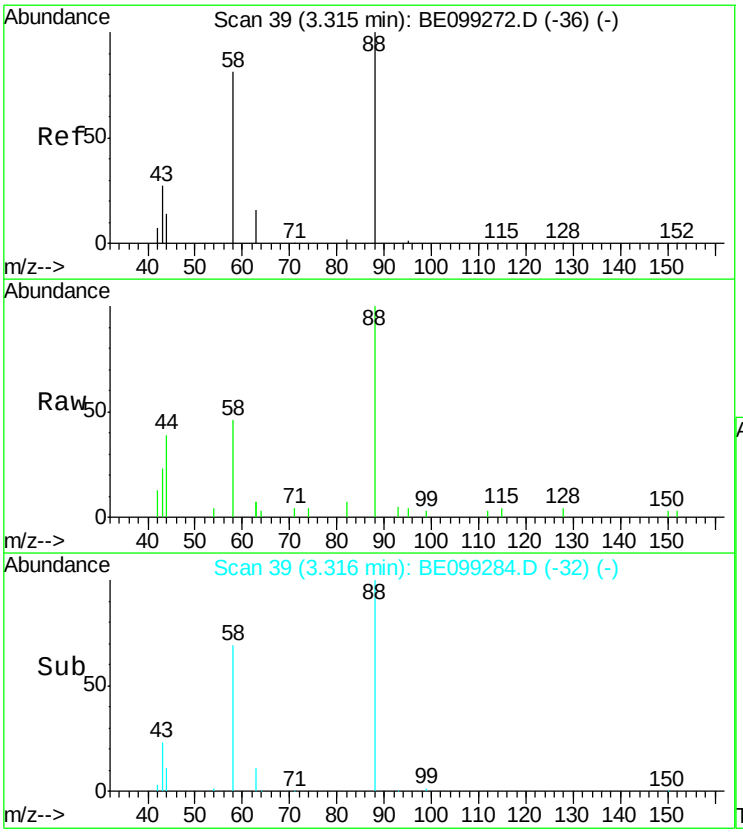
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 3211

Ion	Ratio	Lower	Upper
152	100		
150	138.9	112.8	169.2
115	56.9	45.1	67.7

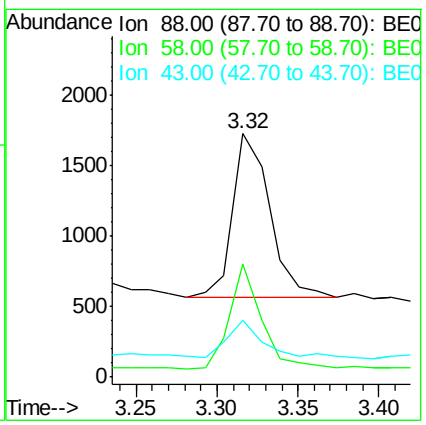


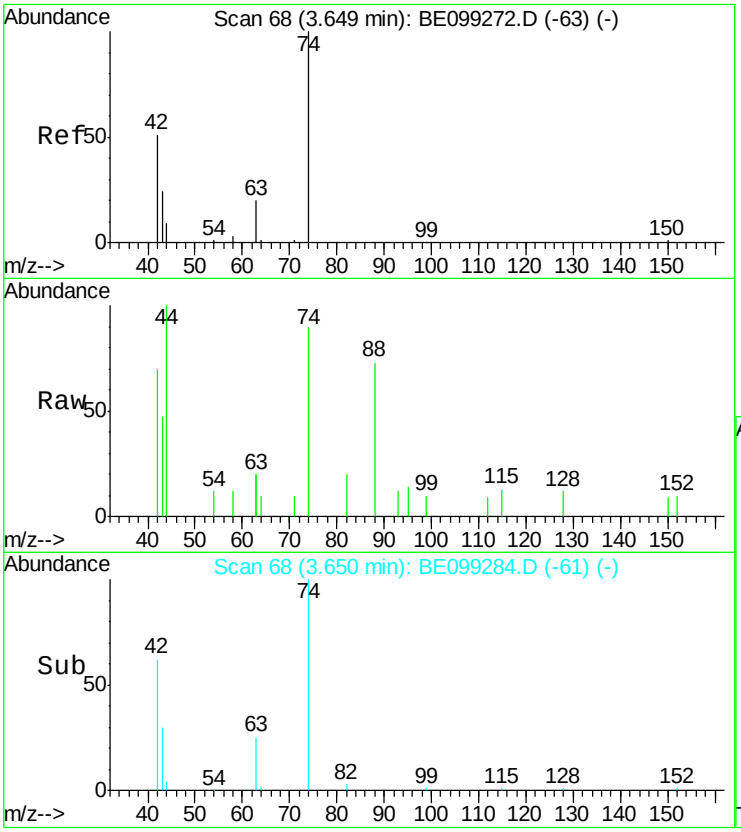


#2
1,4-Dioxane
Concen: 0.415 ng
RT: 3.32 min Scan# 39
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion: 88 Resp: 1817

Ion	Ratio	Lower	Upper
88	100		
58	54.8	47.4	71.0
43	20.9	15.6	23.4



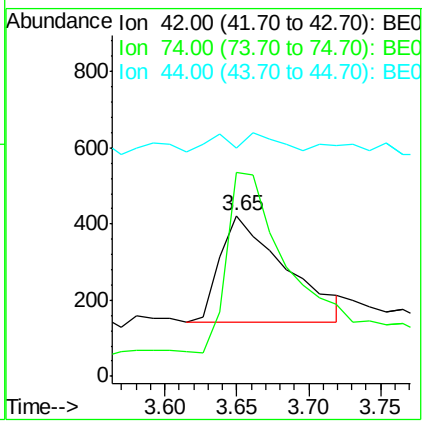


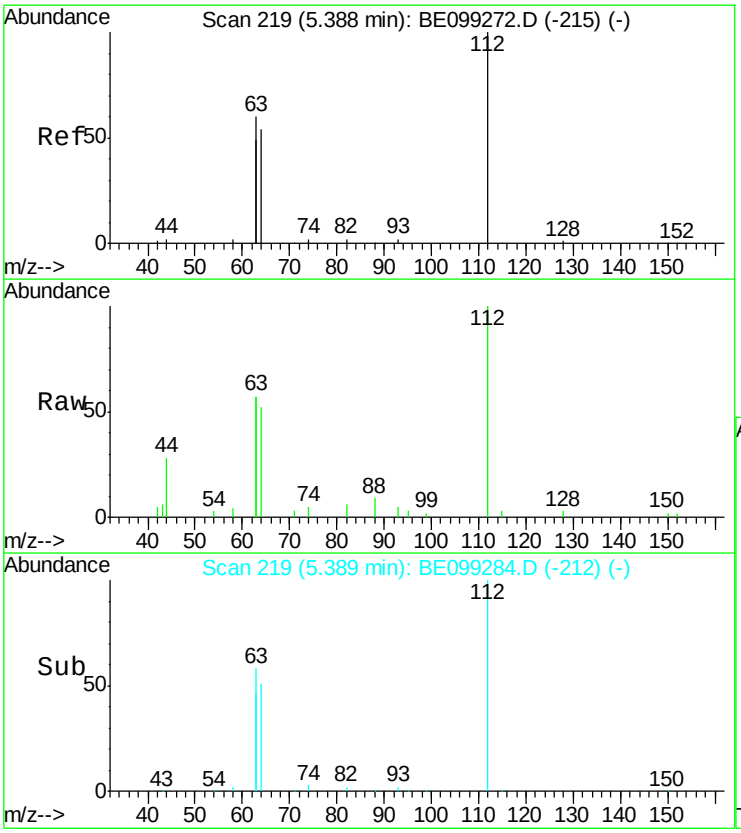
#3
n-Nitrosodimethylamine
Concen: 0.340 ng
RT: 3.65 min Scan# 68
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 878

Ion	Ratio	Lower	Upper
42	100		
74	159.2	138.6	207.8
44	7.7	15.0	22.6#

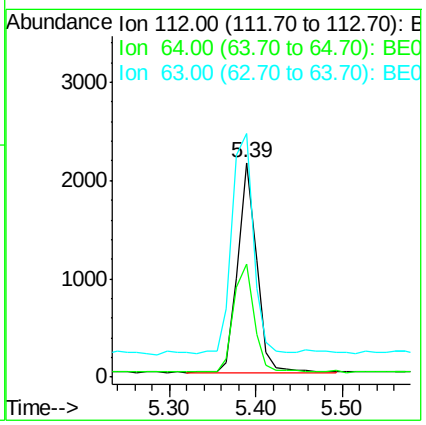


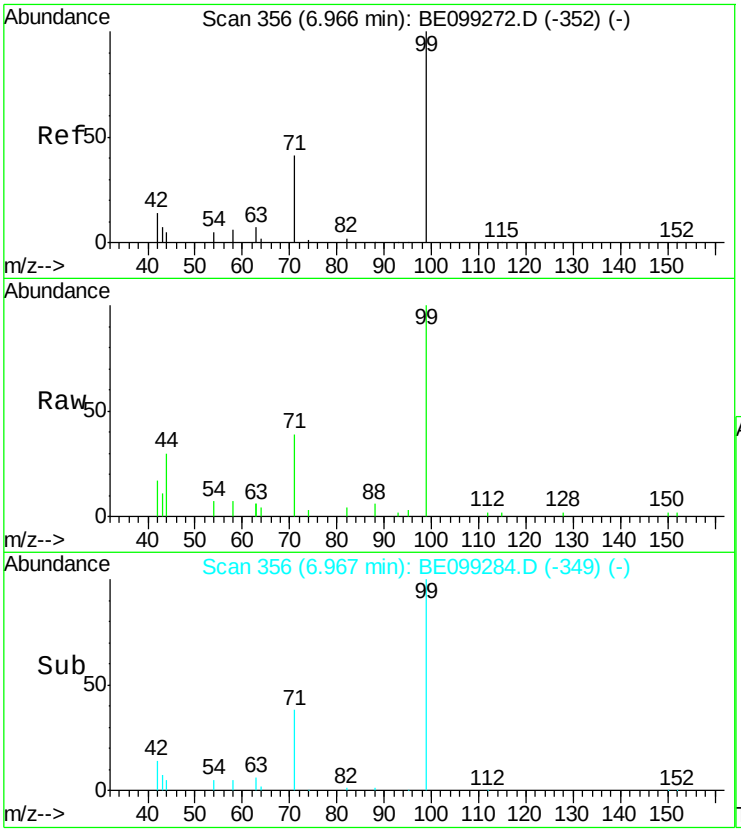


#4
2-Fluorophenol
Concen: 0.380 ng
RT: 5.39 min Scan# 219
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:112 Resp: 3239

Ion	Ratio	Lower	Upper
112	100		
64	56.0	46.2	69.2
63	119.6	89.9	134.9



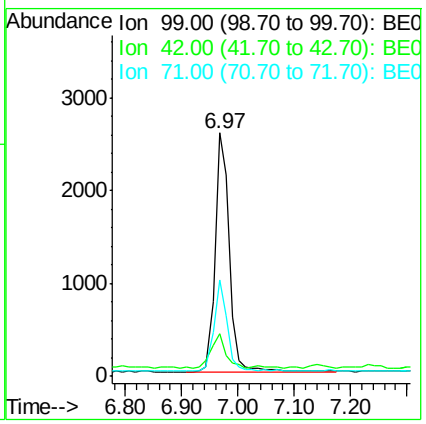


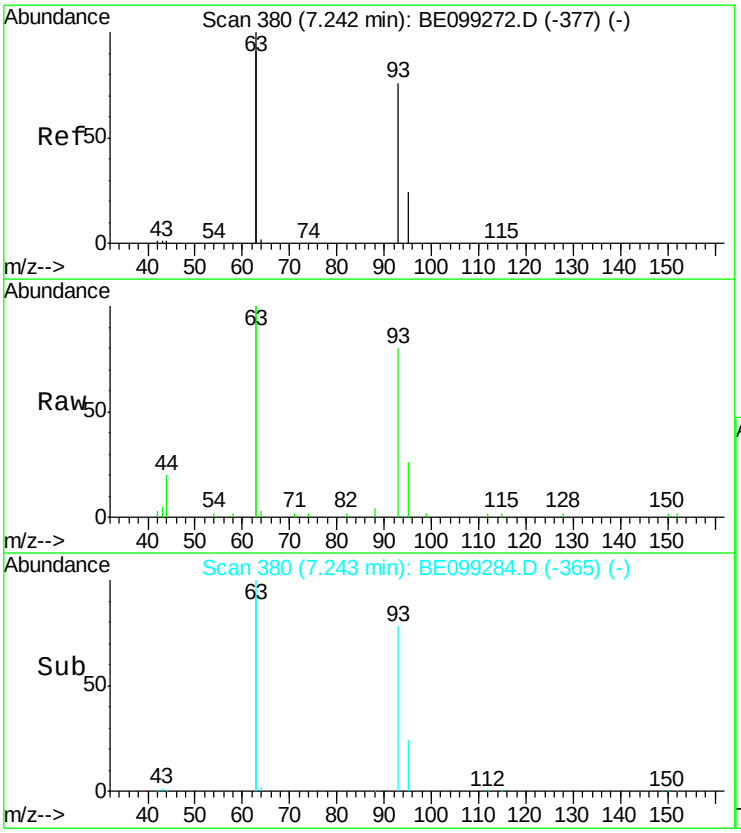
#5
Phenol-d6
Concen: 0.383 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 4493

Ion	Ratio	Lower	Upper
99	100		
42	14.0	12.4	18.6
71	34.1	28.4	42.6

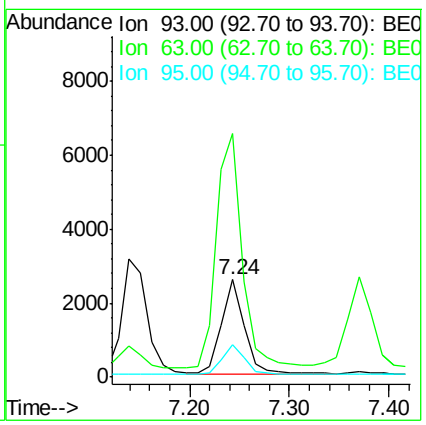


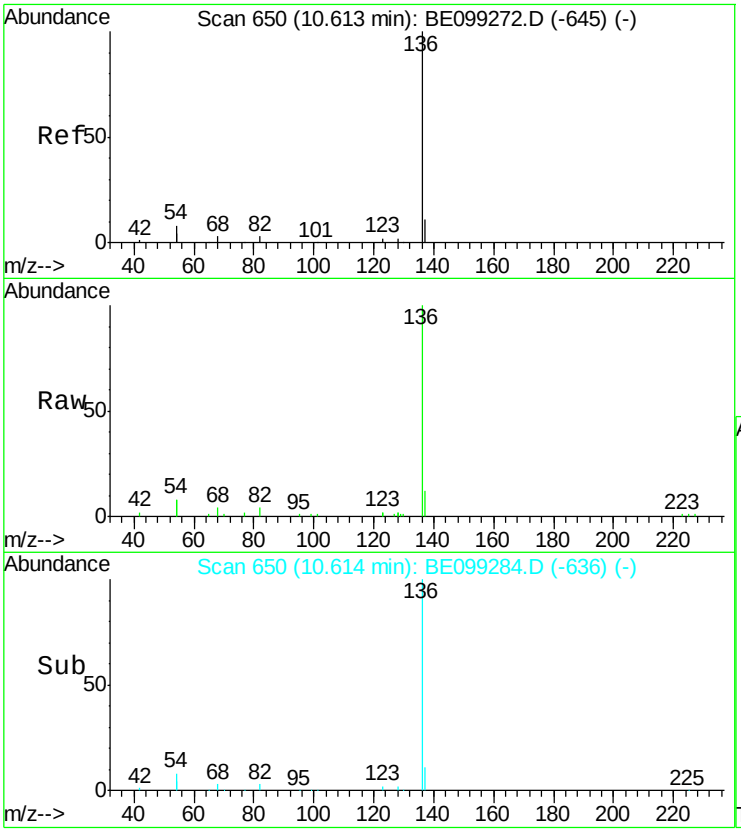


#6
bis(2-Chloroethyl)ether
Concen: 0.392 ng
RT: 7.24 min Scan# 380
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion: 93 Resp: 4120

Ion	Ratio	Lower	Upper
93	100		
63	275.5	221.4	332.0
95	31.1	25.8	38.8



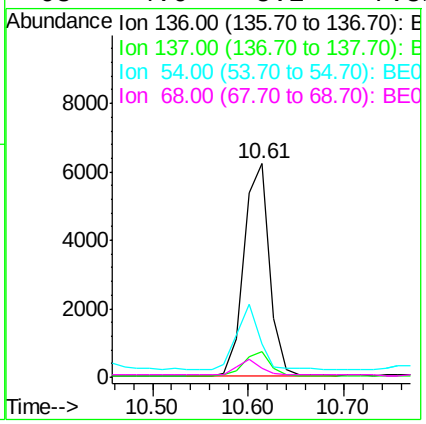


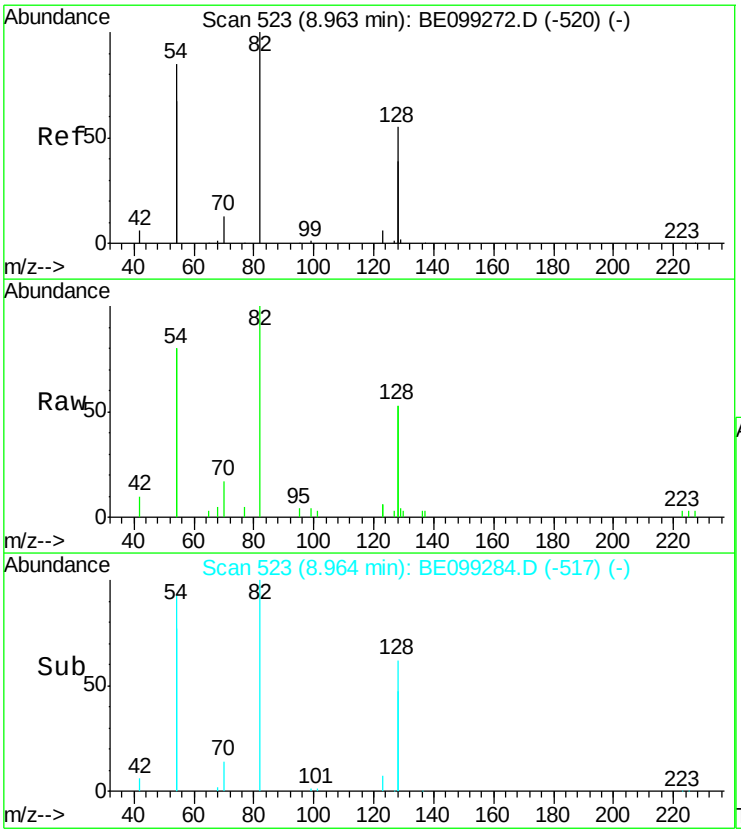
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.61 min Scan# 650
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 11413

Ion	Ratio	Lower	Upper
136	100		
137	12.1	8.7	13.1
54	15.7	18.7	28.1#
68	4.0	5.2	7.8#

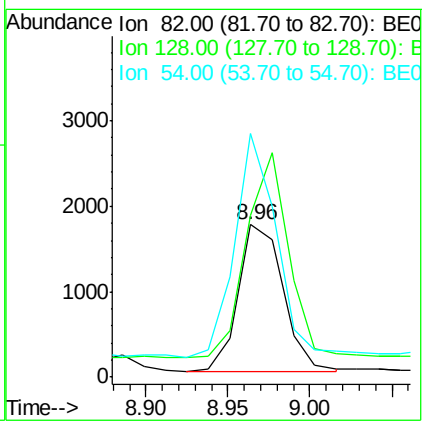


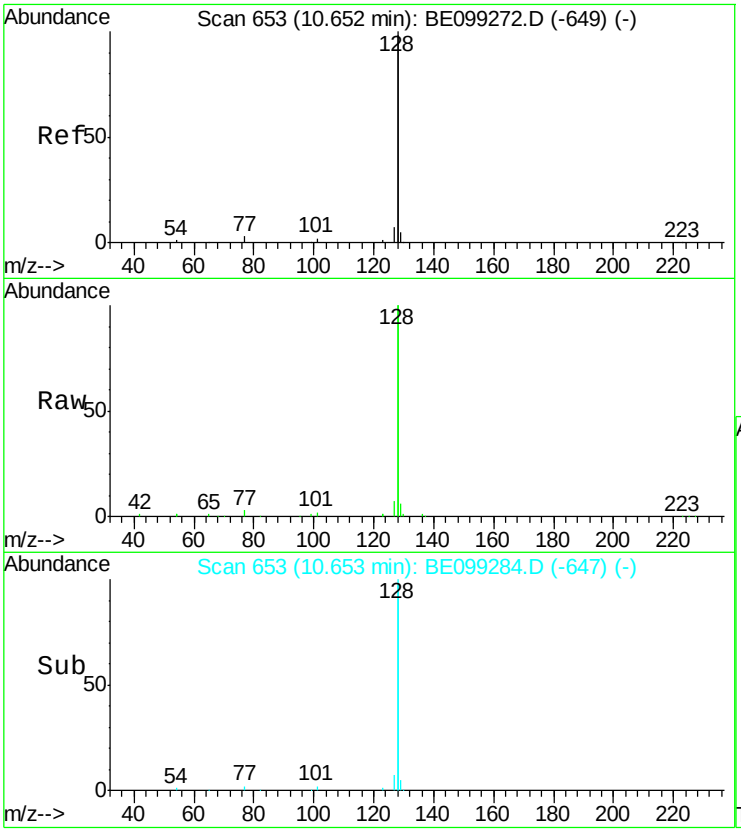


#8
Nitrobenzene-d5
Concen: 0.417 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion: 82 Resp: 3265

Ion	Ratio	Lower	Upper
82	100		
128	105.8	107.5	161.3#
54	159.5	106.3	159.5#



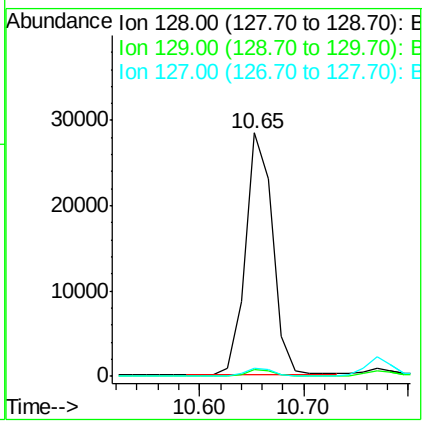


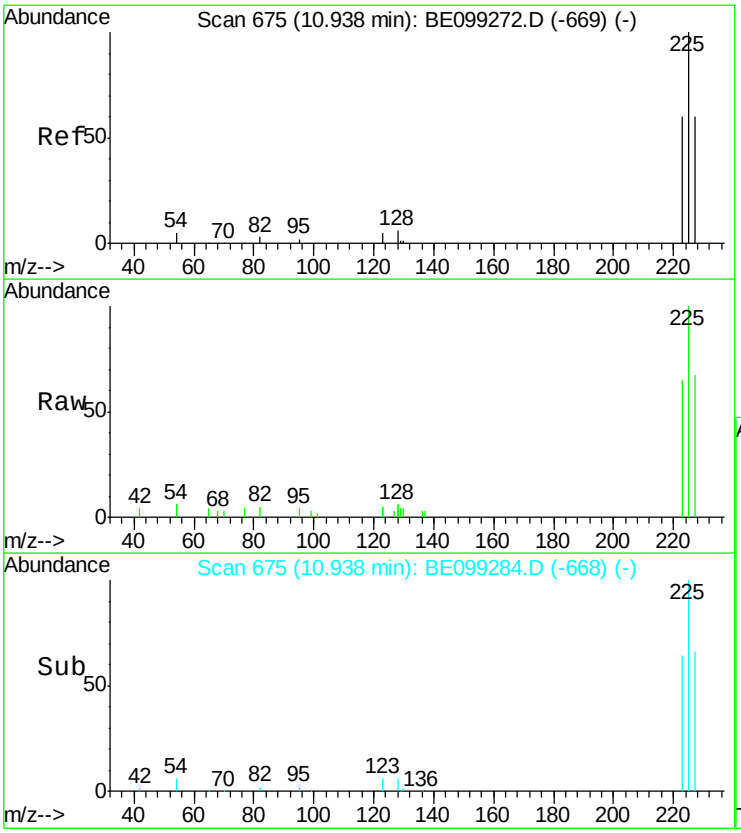
#9
Naphthalene
Concen: 0.412 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 51124

Ion	Ratio	Lower	Upper
128	100		
129	2.8	2.3	3.5
127	3.5	2.6	3.8

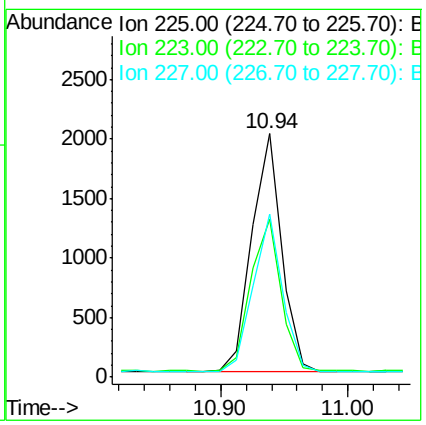


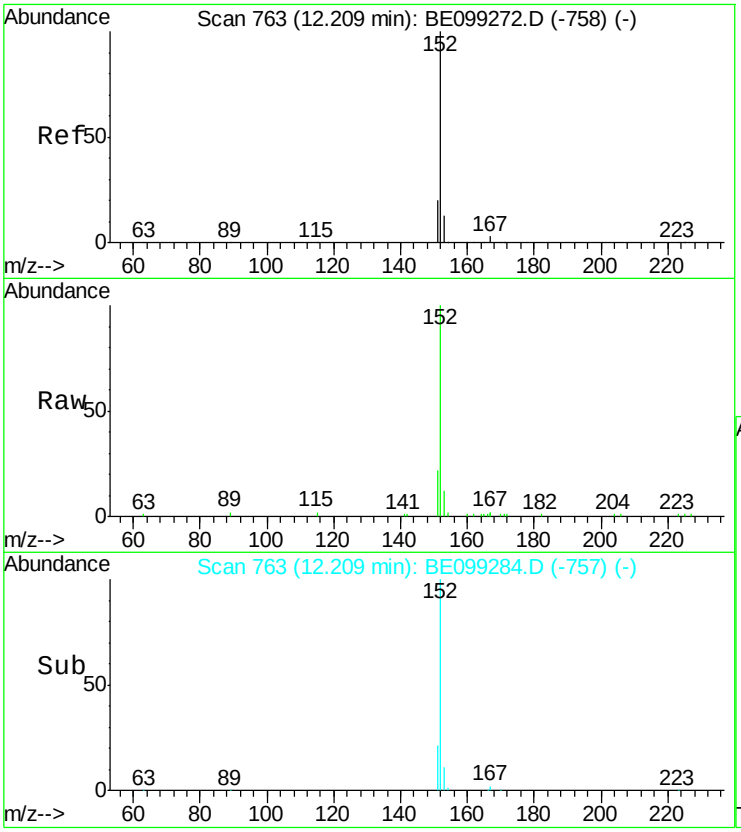


#10
Hexachlorobutadiene
Concen: 0.404 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:225 Resp: 3260

Ion	Ratio	Lower	Upper
225	100		
223	64.2	51.3	76.9
227	65.1	48.6	73.0



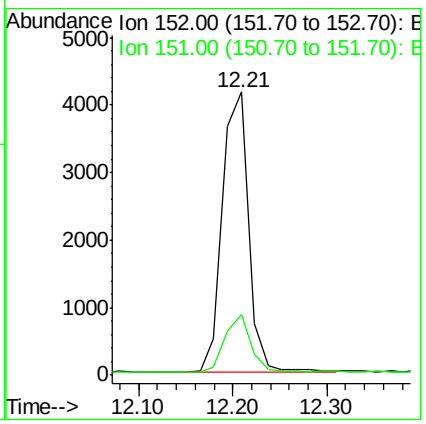


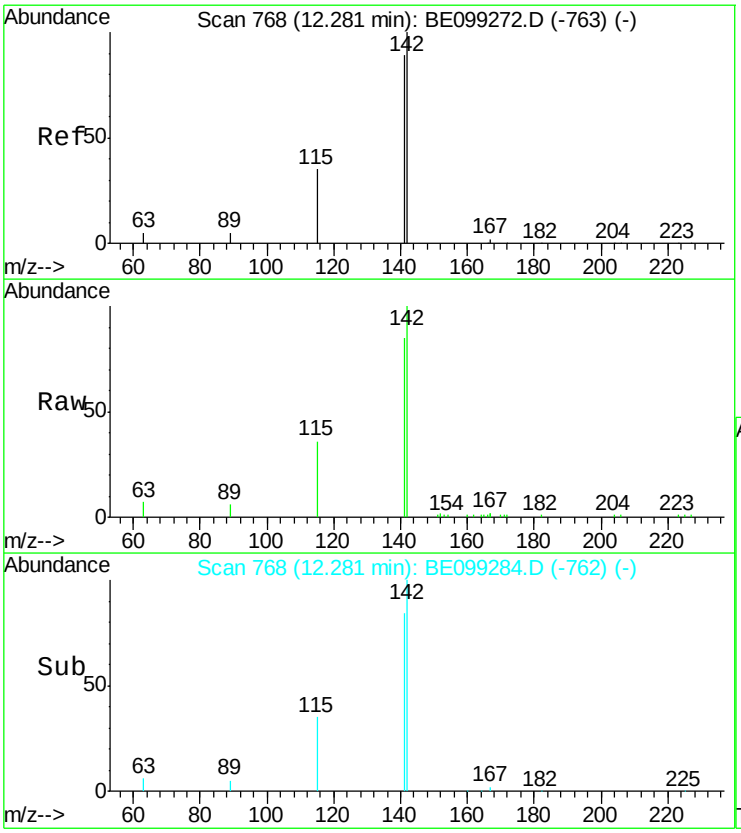
#11
2-Methylnaphthalene-d10
Concen: 0.397 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 7910

Ion	Ratio	Lower	Upper
152	100		
151	20.9	15.0	22.6

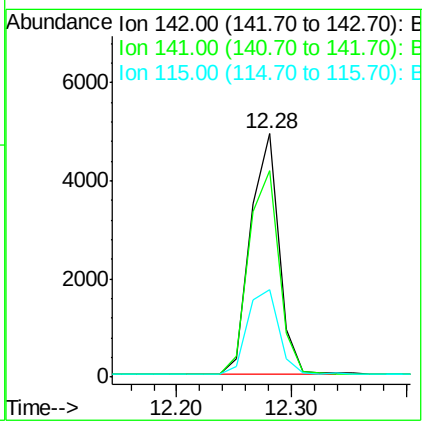


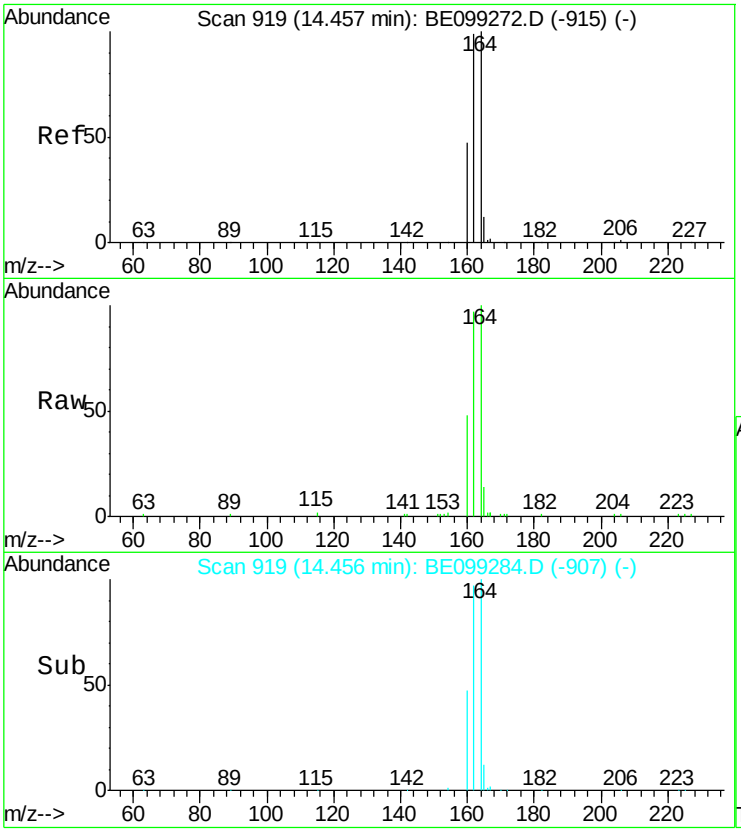


#12
2-Methylnaphthalene
Concen: 0.399 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:142 Resp: 8421

Ion	Ratio	Lower	Upper
142	100		
141	84.6	71.3	106.9
115	35.9	30.4	45.6



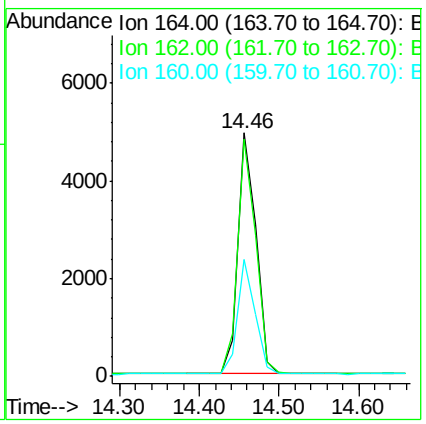


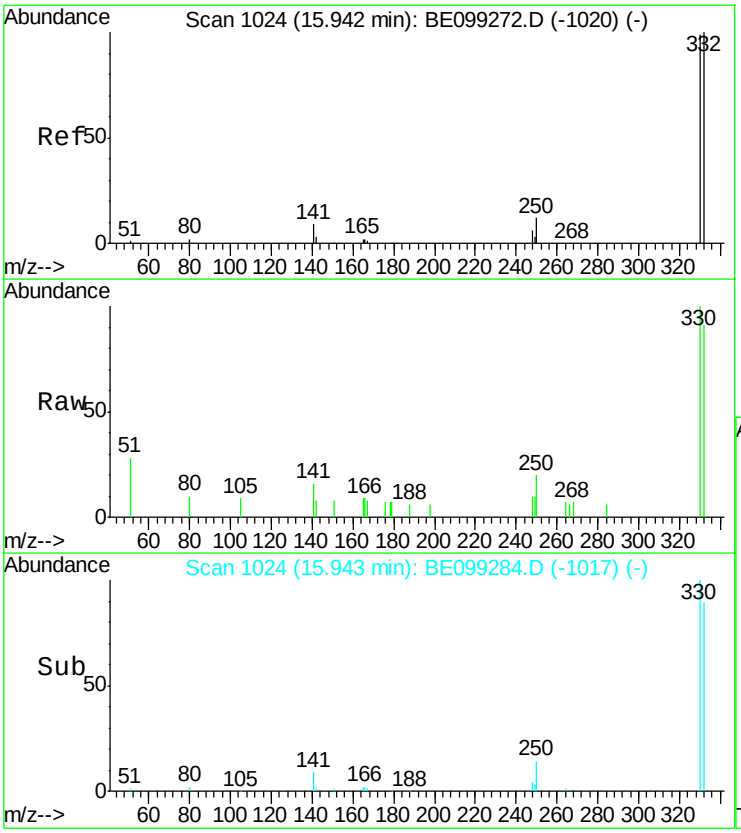
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 7747

Ion	Ratio	Lower	Upper
164	100		
162	97.5	79.2	118.8
160	47.9	36.7	55.1

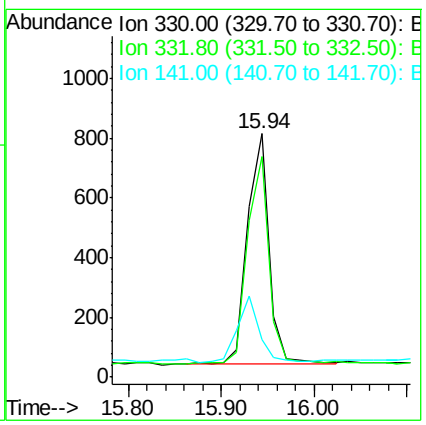


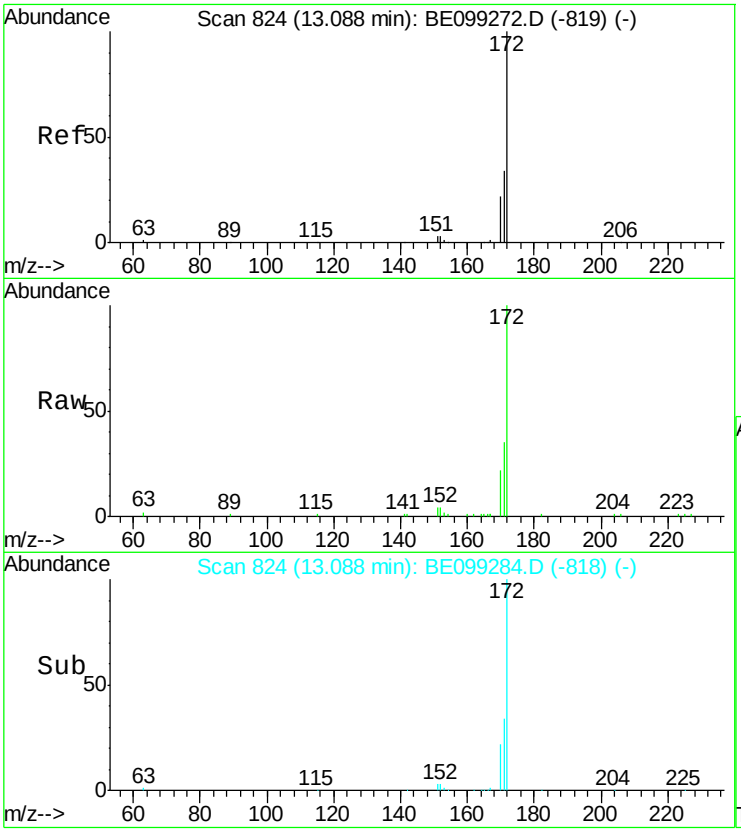


#14
2,4,6-Tribromophenol
Concen: 0.350 ng
RT: 15.94 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:330 Resp: 1249

Ion	Ratio	Lower	Upper
330	100		
332	90.1	71.3	106.9
141	28.0	21.7	32.5



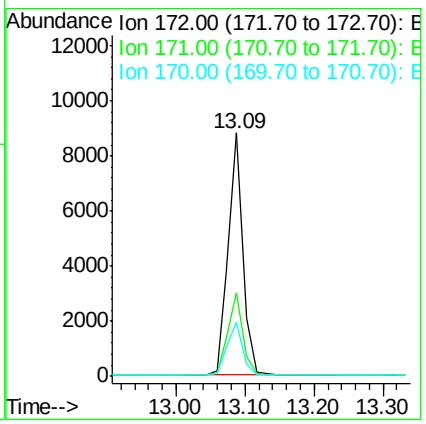


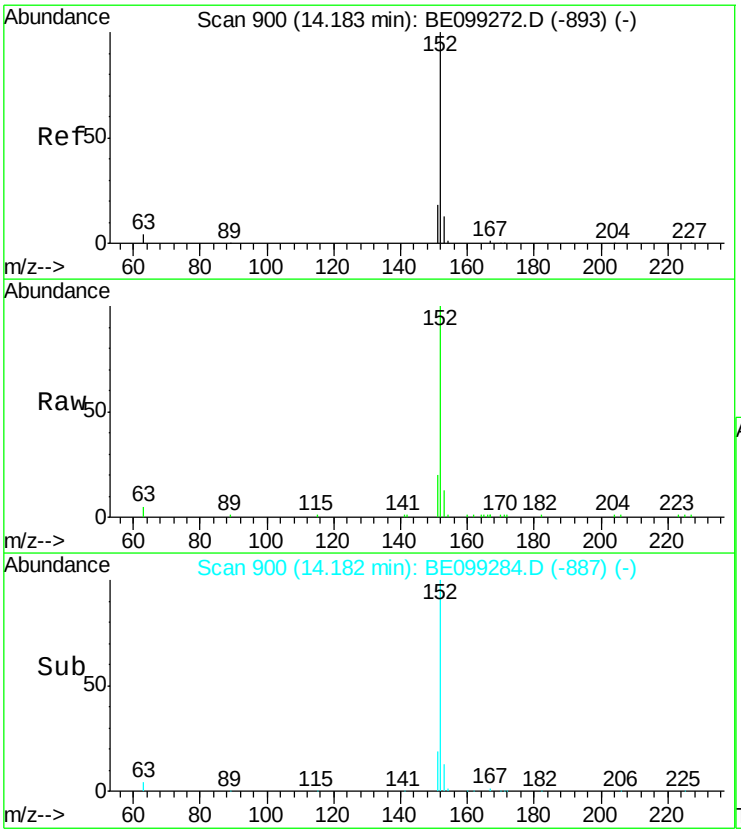
#15
2-Fluorobiphenyl
Concen: 0.425 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 12937

Ion	Ratio	Lower	Upper
172	100		
171	34.5	27.4	41.0
170	22.2	19.1	28.7

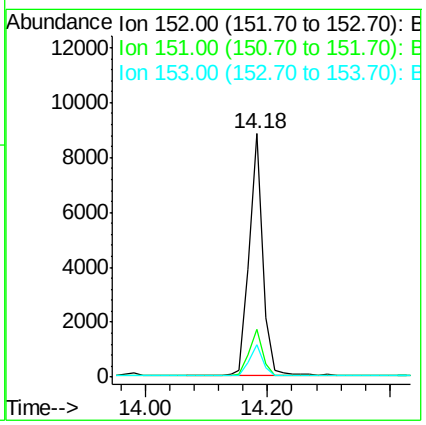


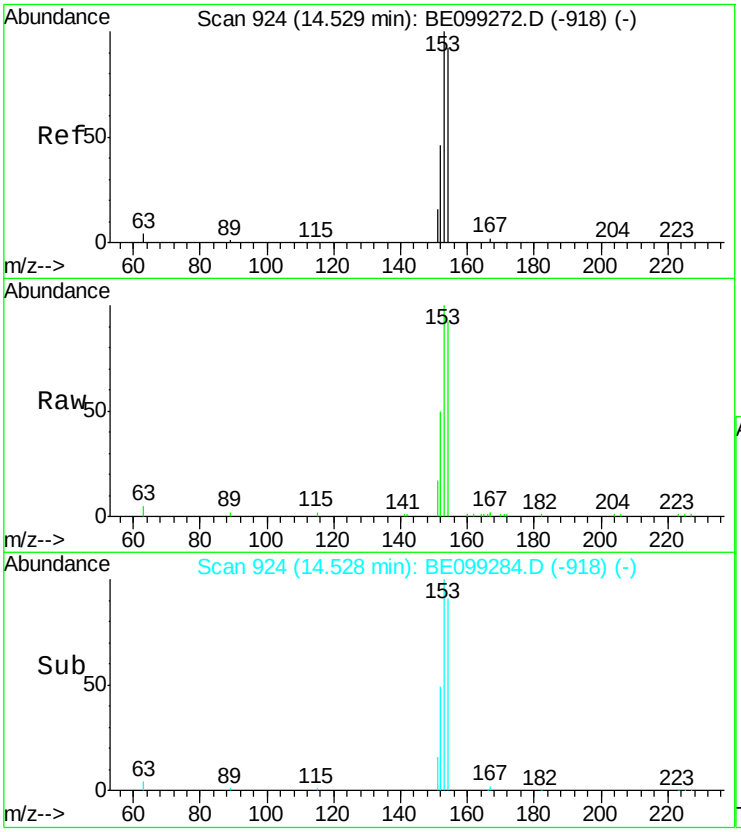


#16
Acenaphthylene
Concen: 0.368 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:152 Resp: 13492

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	13.0	10.6	15.8



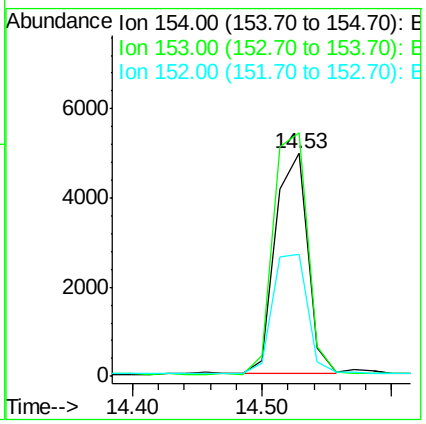


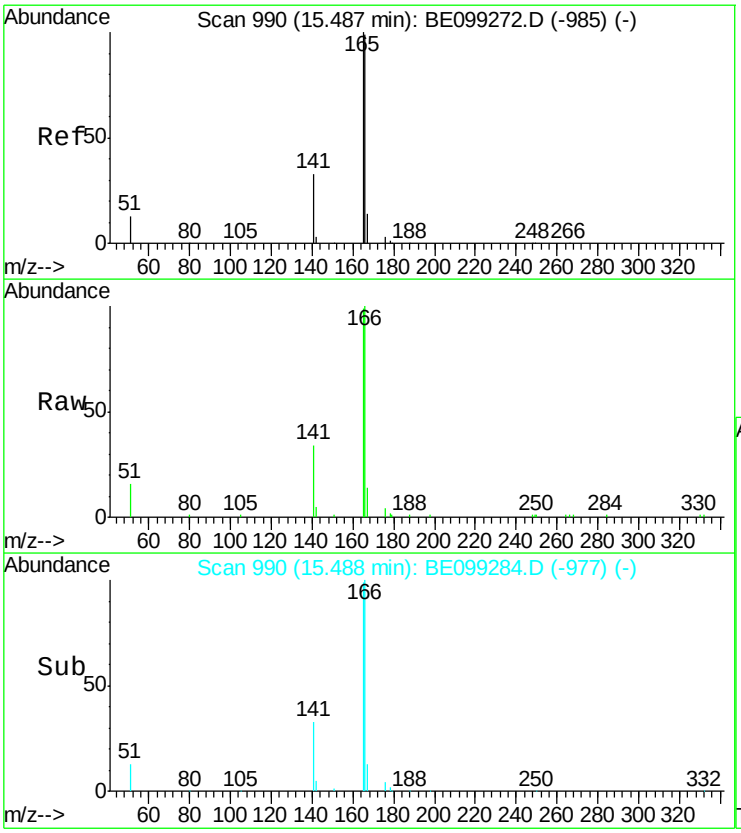
#17
Acenaphthene
Concen: 0.401 ng
RT: 14.53 min Scan# 924
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 8676

Ion	Ratio	Lower	Upper
154	100		
153	115.5	93.4	140.0
152	57.7	46.6	69.8

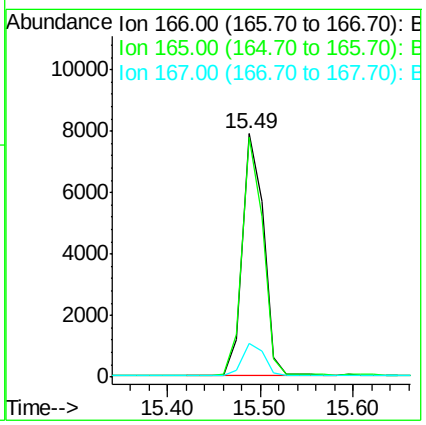


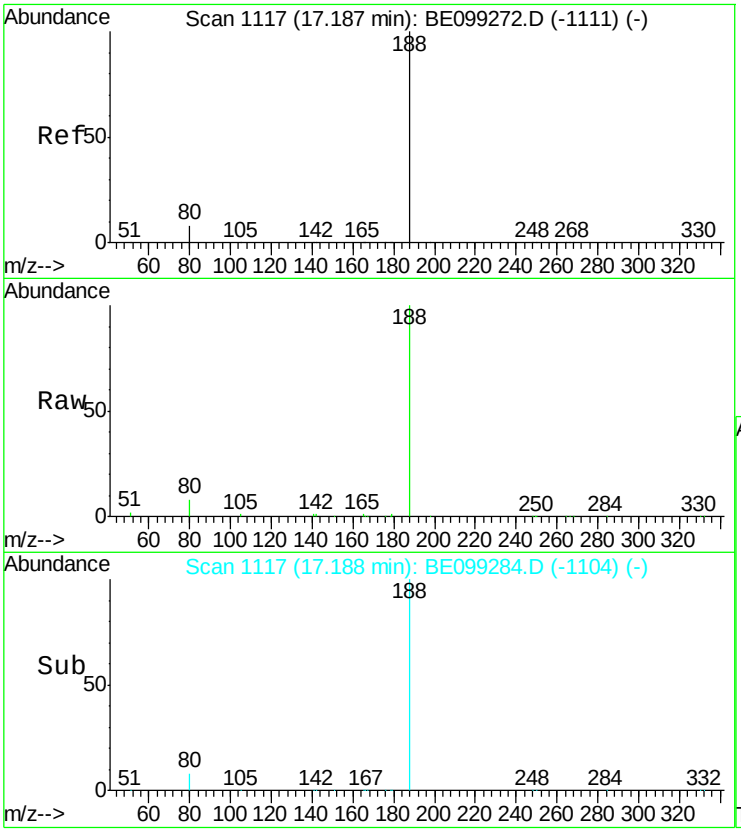


#18
Fluorene
Concen: 0.396 ng
RT: 15.49 min Scan# 990
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:166 Resp: 12377

Ion	Ratio	Lower	Upper
166	100		
165	97.3	78.9	118.3
167	14.1	10.9	16.3



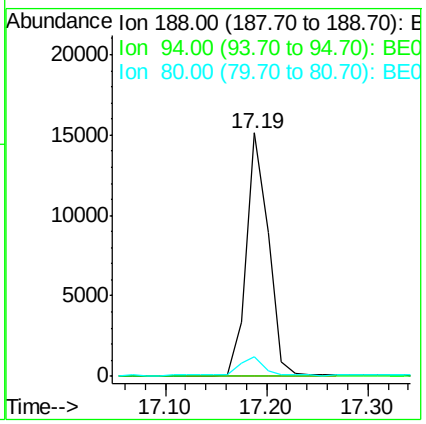


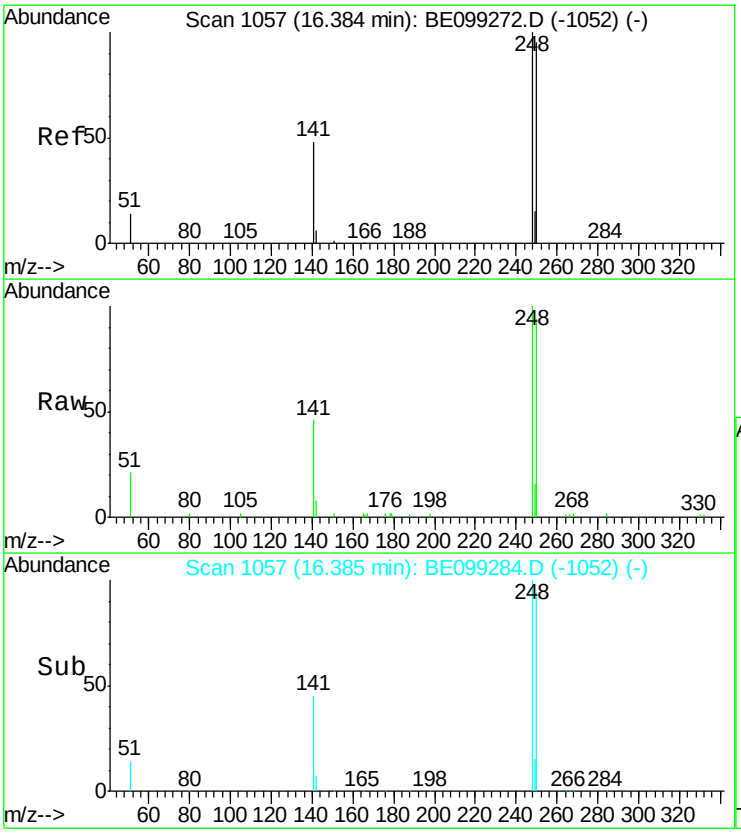
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.19 min Scan# 1117
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 22908

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.1	4.5	6.7#

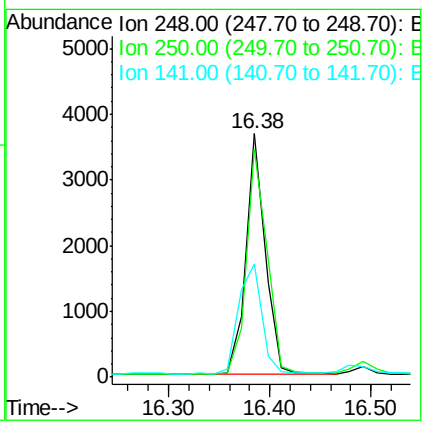


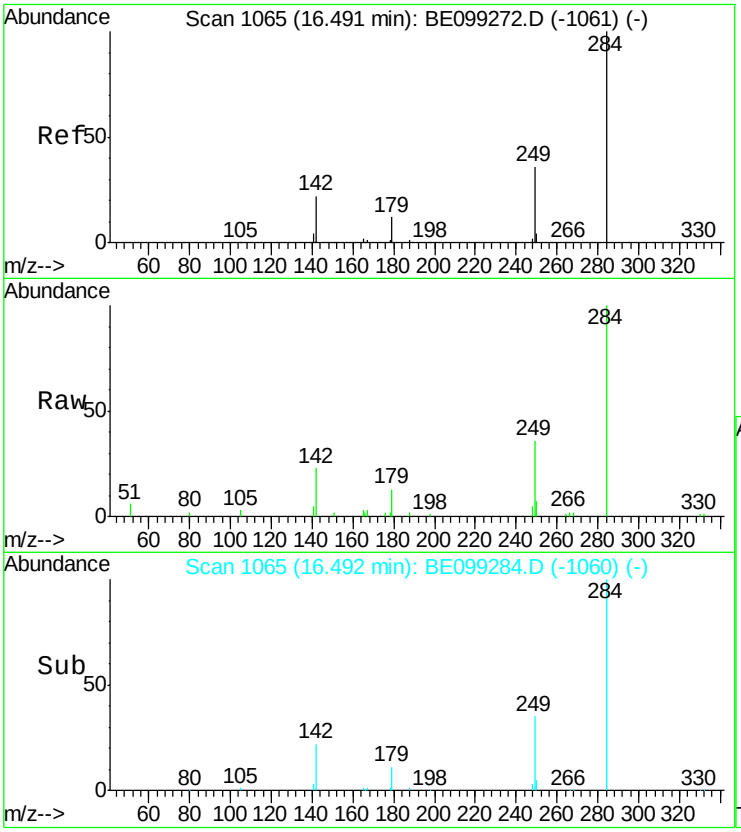


#20
4-Bromophenyl-phenylether
Concen: 0.378 ng
RT: 16.38 min Scan# 1057
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:248 Resp: 4920

Ion	Ratio	Lower	Upper
248	100		
250	94.0	84.2	126.2
141	46.4	21.8	32.6#



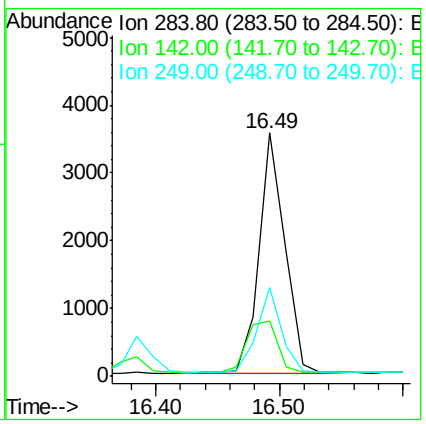


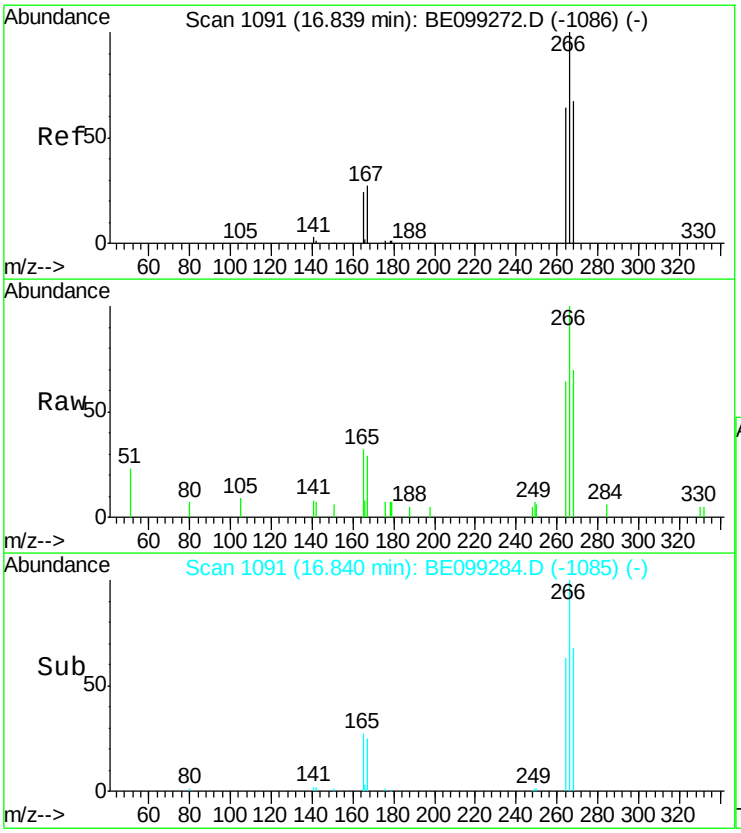
#21
Hexachlorobenzene
Concen: 0.411 ng
RT: 16.49 min Scan# 1065
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 5088

Ion	Ratio	Lower	Upper
284	100		
142	26.3	22.7	34.1
249	33.1	26.9	40.3

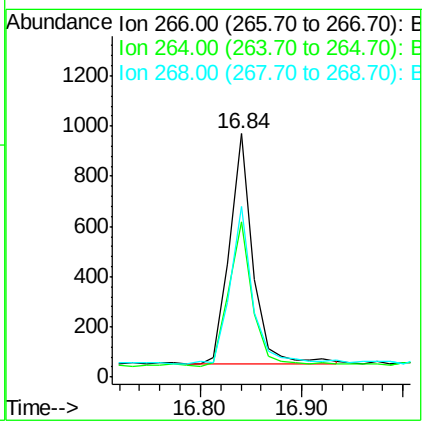


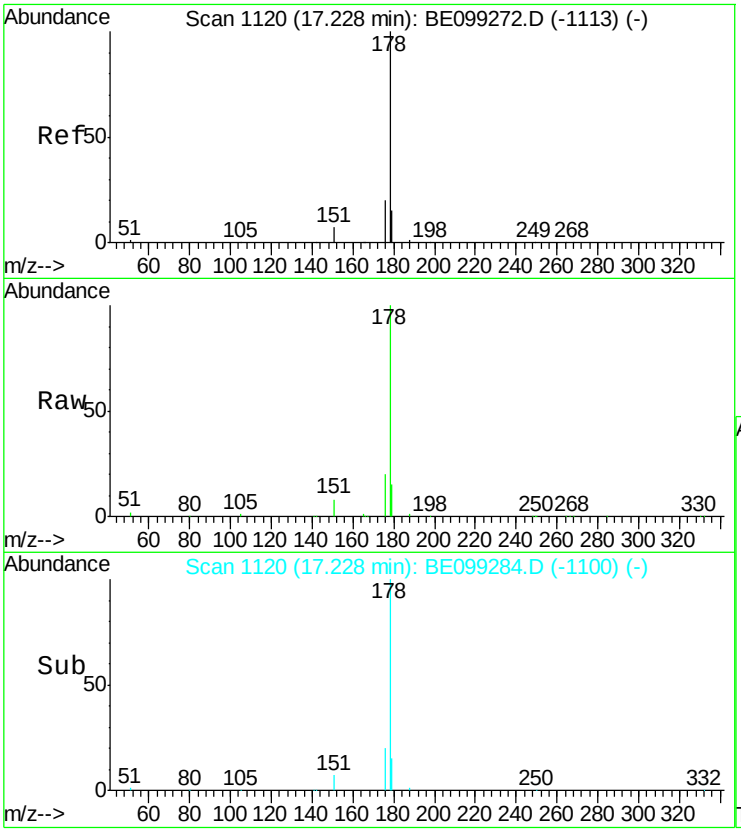


#22
Pentachlorophenol
Concen: 0.288 ng
RT: 16.84 min Scan# 1091
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:266 Resp: 1479

Ion	Ratio	Lower	Upper
266	100		
264	63.8	54.4	81.6
268	70.0	61.3	91.9



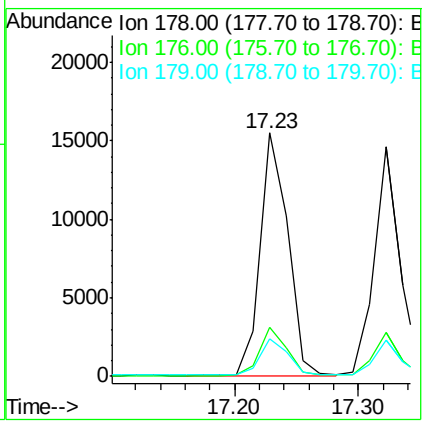


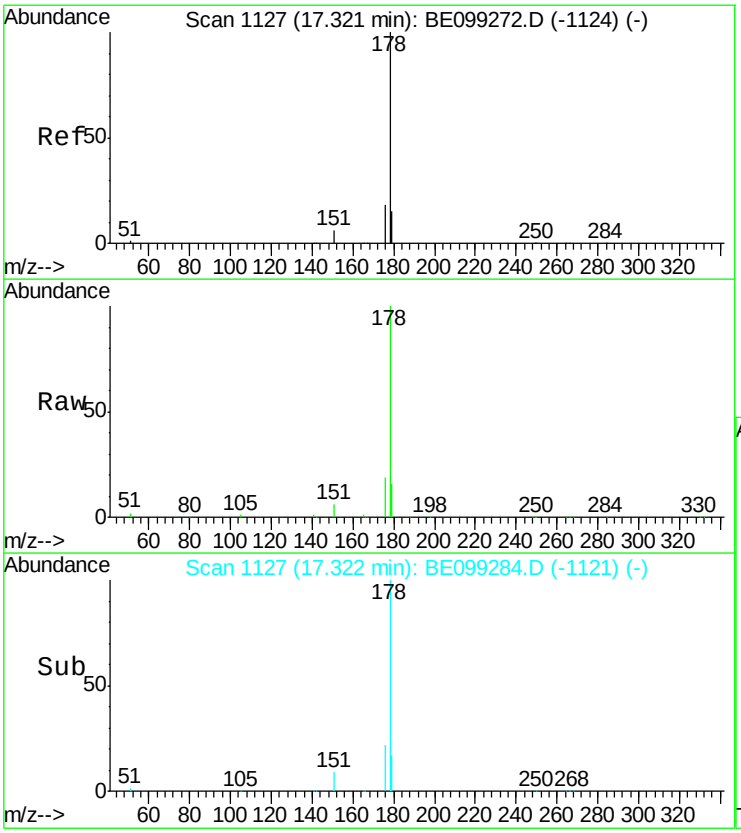
#23
Phenanthrene
Concen: 0.402 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 23837

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.2	12.3	18.5

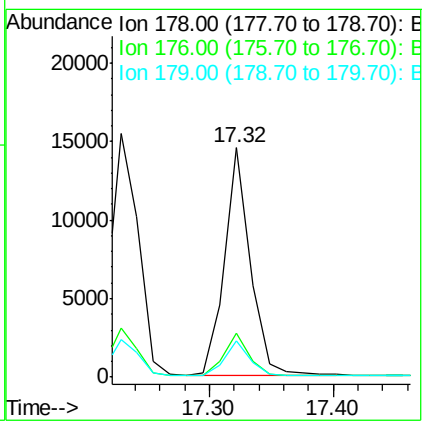


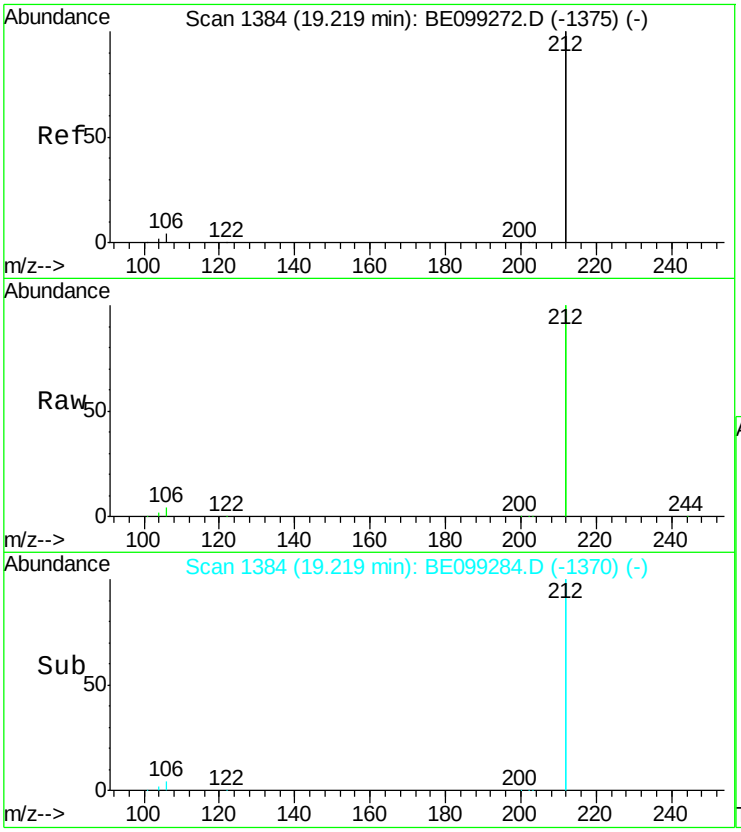


#24
Anthracene
Concen: 0.371 ng
RT: 17.32 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:178 Resp: 20743

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.1	22.7
179	15.2	12.4	18.6



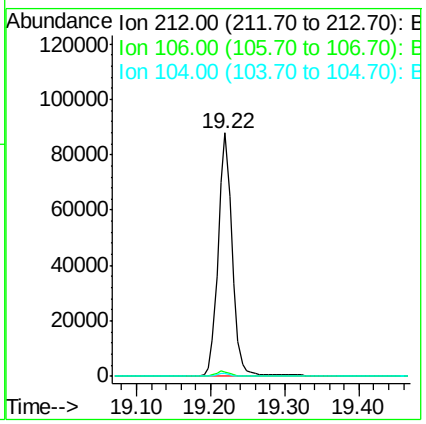


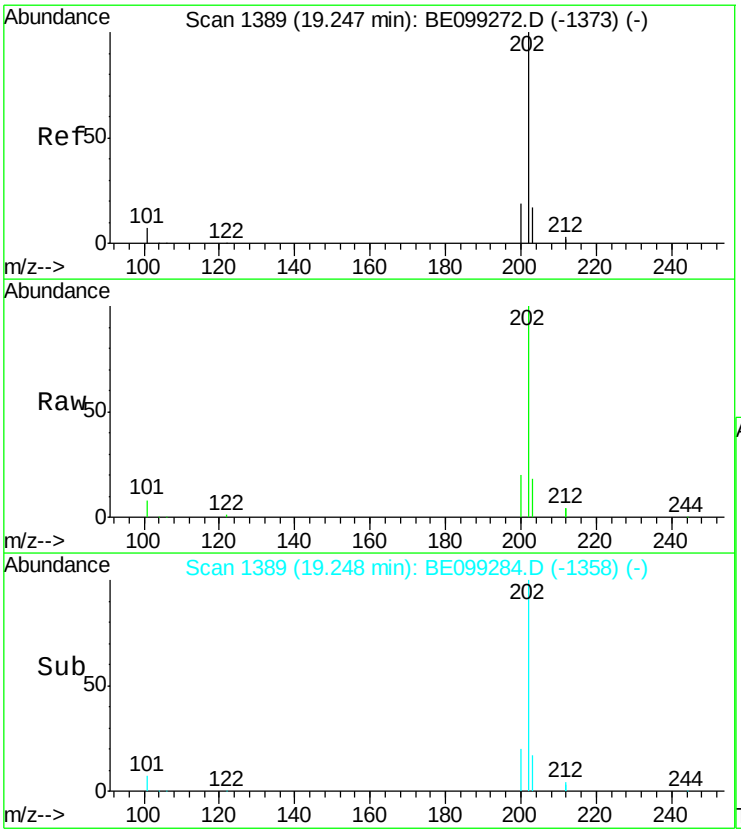
#25
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.22 min Scan# 1384
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 114216

Ion	Ratio	Lower	Upper
212	100		
106	2.2	1.8	2.8
104	1.2	1.1	1.7

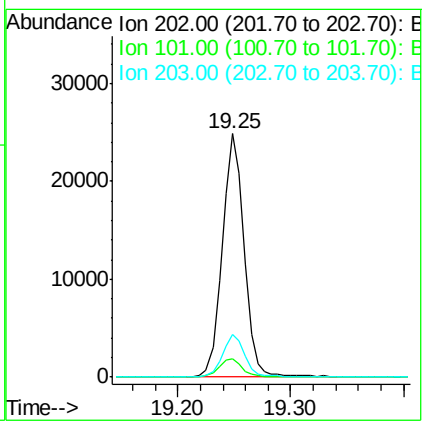


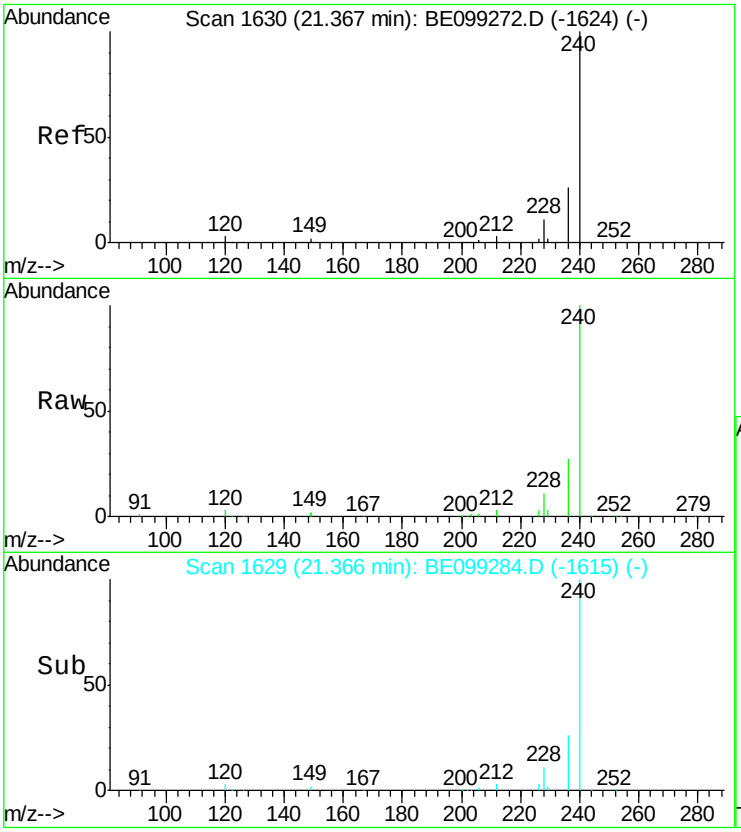


#26
Fluoranthene
Concen: 0.380 ng
RT: 19.25 min Scan# 1389
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:202 Resp: 33274

Ion	Ratio	Lower	Upper
202	100		
101	7.7	7.0	10.4
203	17.2	13.8	20.6



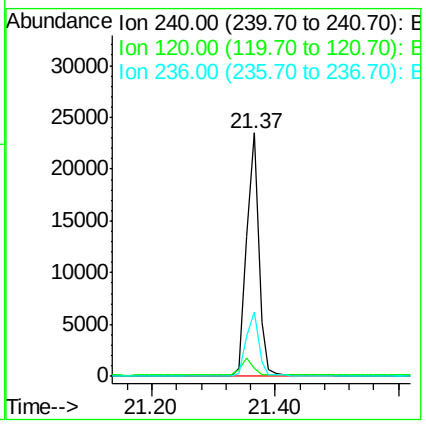


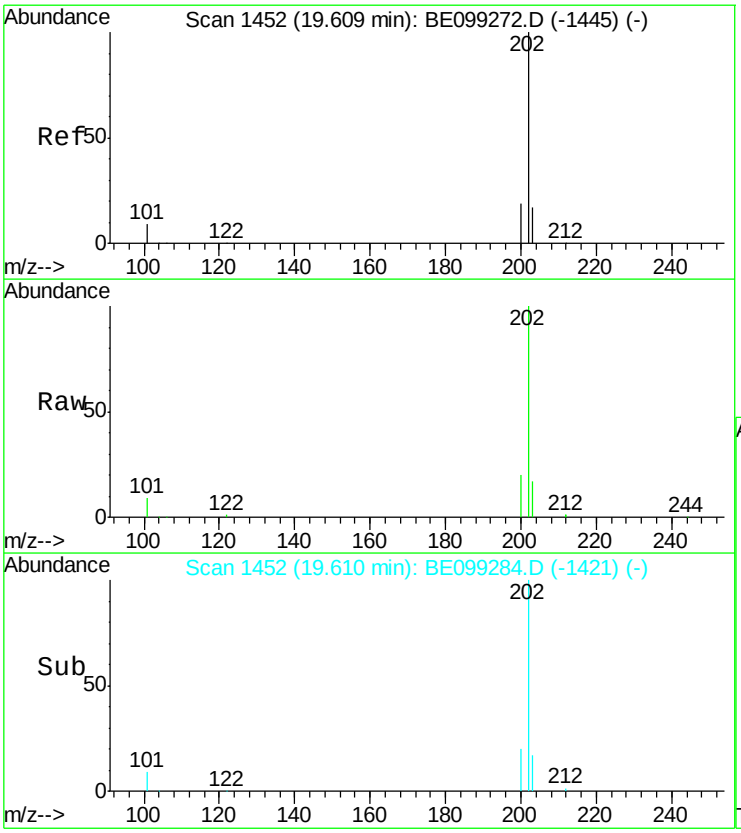
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.37 min Scan# 1629
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 32275

Ion	Ratio	Lower	Upper
240	100		
120	3.5	2.6	3.8
236	26.5	20.9	31.3

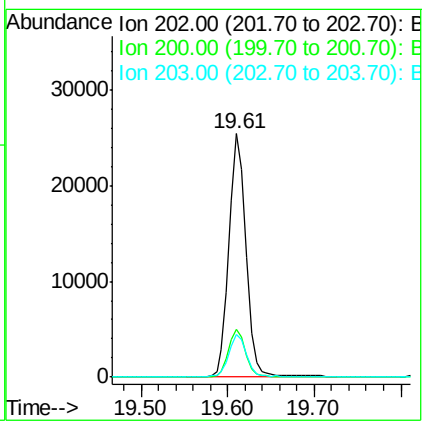


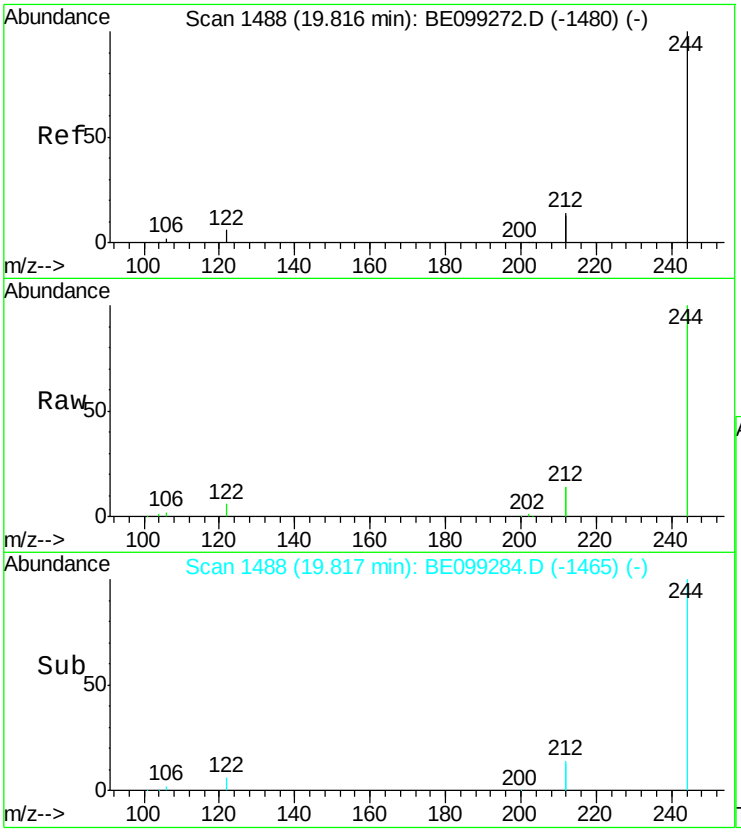


#28
Pyrene
Concen: 0.399 ng
RT: 19.61 min Scan# 1452
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:202 Resp: 33969

Ion	Ratio	Lower	Upper
202	100		
200	19.7	15.8	23.8
203	17.7	14.1	21.1



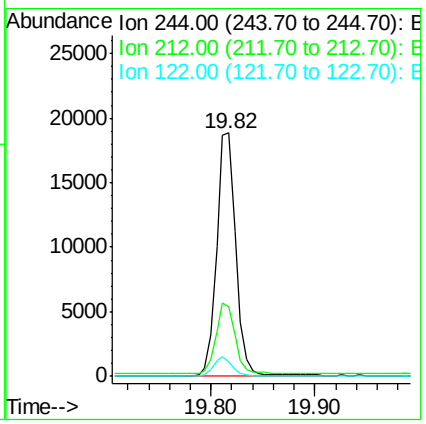


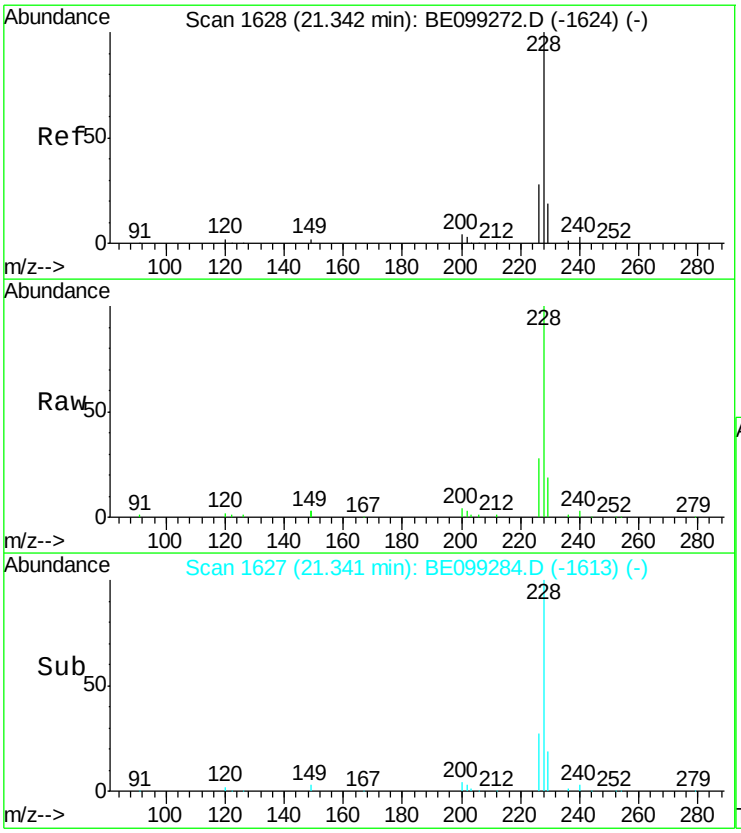
#29
Terphenyl-d14
Concen: 0.406 ng
RT: 19.82 min Scan# 1488
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 23883

Ion	Ratio	Lower	Upper
244	100		
212	28.3	22.7	34.1
122	6.1	5.8	8.6

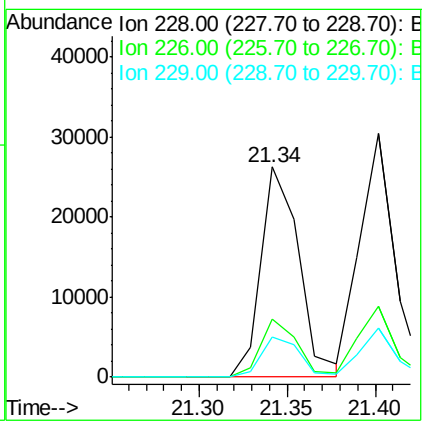


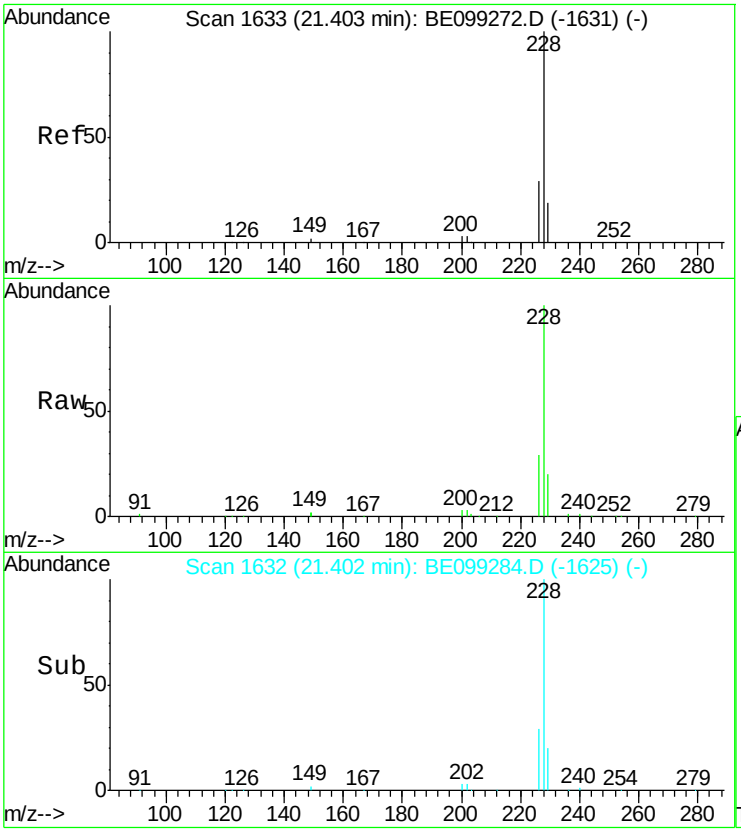


#30
Benzo(a)anthracene
Concen: 0.384 ng
RT: 21.34 min Scan# 1627
Delta R.T. -0.02 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:228 Resp: 38981

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.7	32.5
229	18.9	15.9	23.9



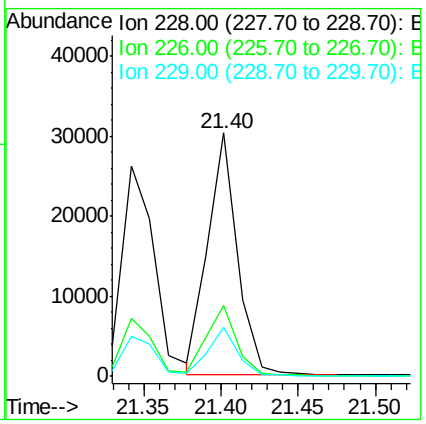


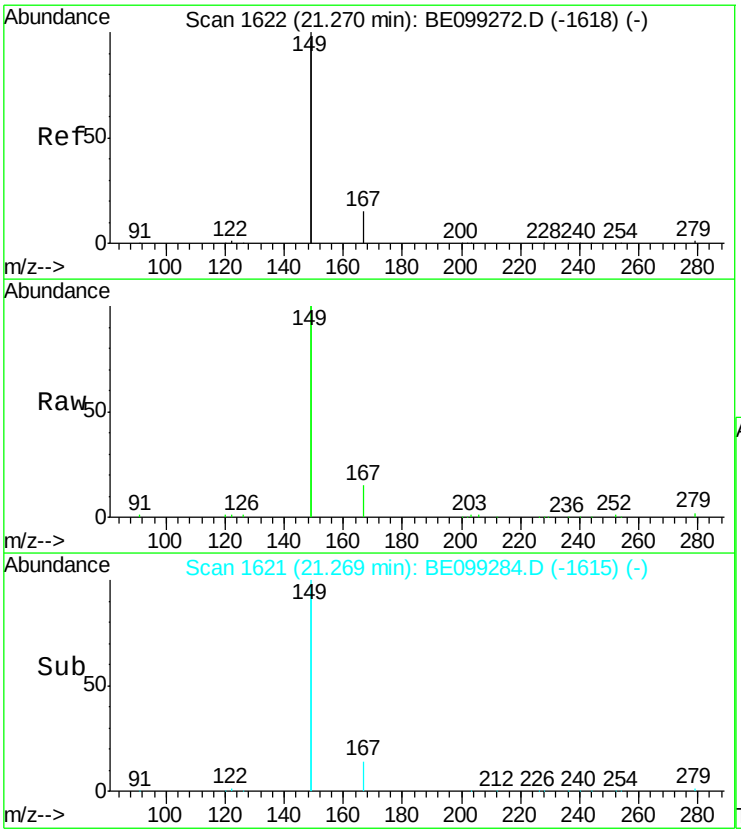
#31
Chrysene
Concen: 0.405 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 40366

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.8	37.2
229	19.9	15.4	23.0

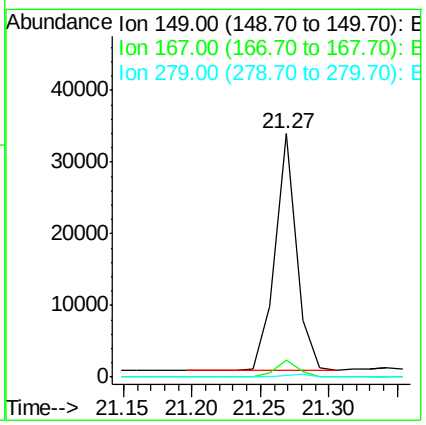


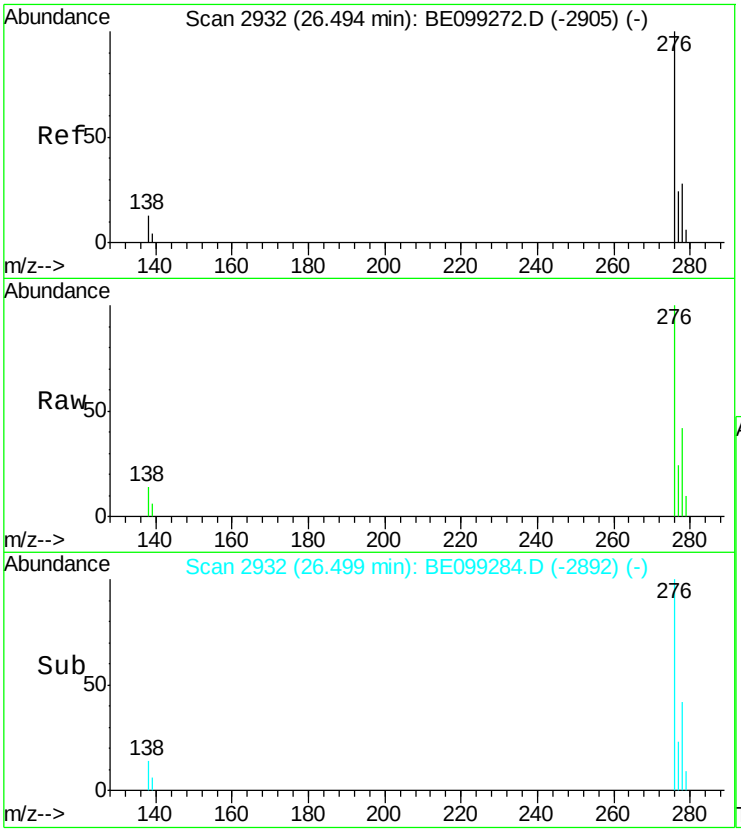


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.280 ng
RT: 21.27 min Scan# 1621
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:149 Resp: 36219

Ion	Ratio	Lower	Upper
149	100		
167	7.2	5.9	8.9
279	1.4	1.0	1.6



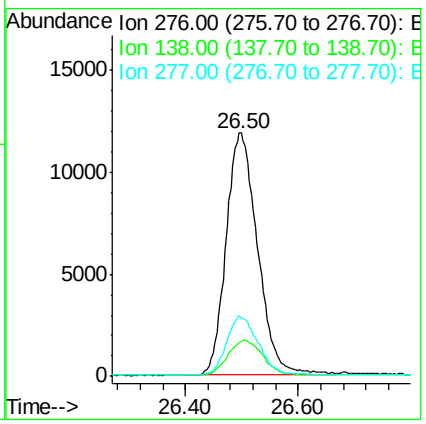


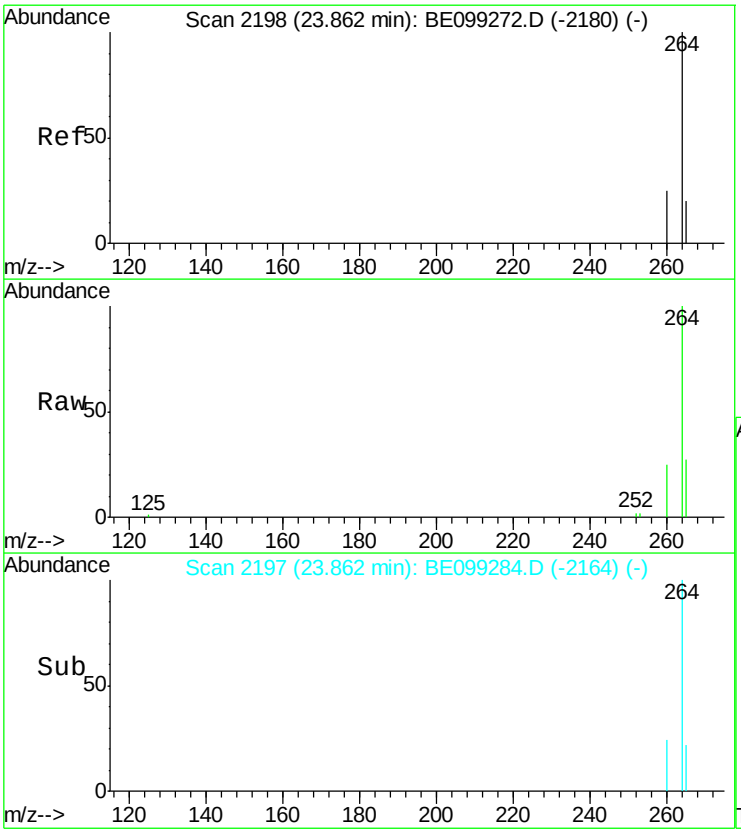
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.403 ng
RT: 26.50 min Scan# 2932
Delta R.T. -0.06 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 45913

Ion	Ratio	Lower	Upper
276	100		
138	15.6	12.9	19.3
277	24.2	18.3	27.5

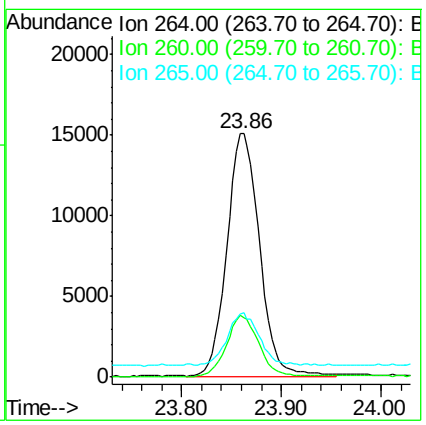


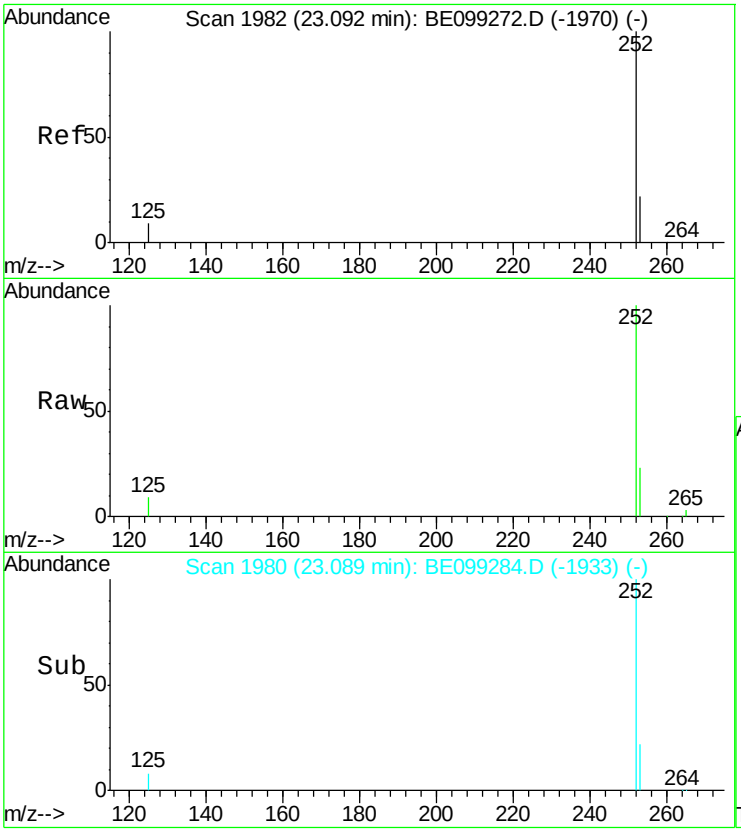


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.86 min Scan# 2197
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:264 Resp: 34049

Ion	Ratio	Lower	Upper
264	100		
260	24.5	18.2	27.2
265	26.6	21.8	32.8



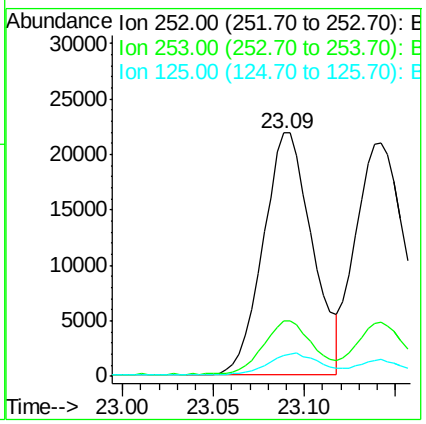


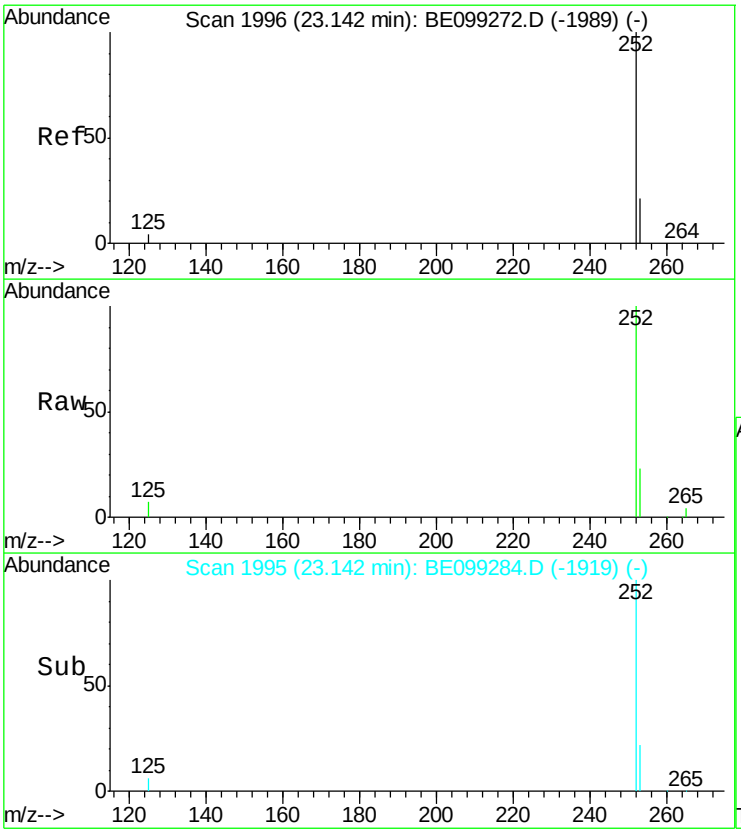
#35
Benzo(b)fluoranthene
Concen: 0.403 ng
RT: 23.09 min Scan# 1980
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 40955

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.8
125	8.6	6.1	9.1

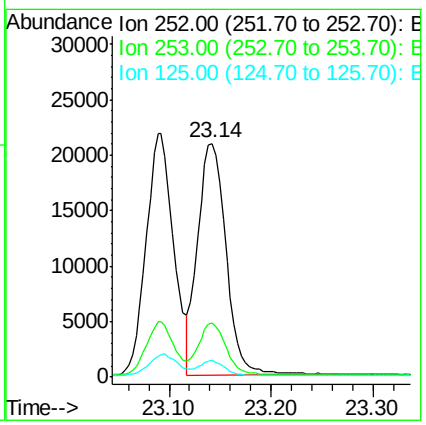


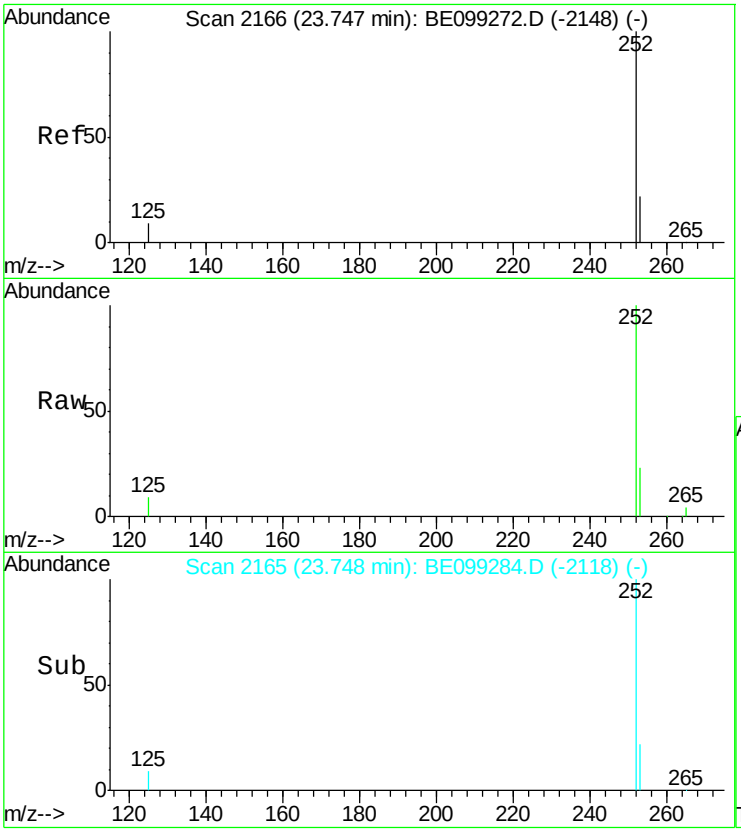


#36
Benzo(k)fluoranthene
Concen: 0.407 ng
RT: 23.14 min Scan# 1995
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:252 Resp: 40280

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	7.2	5.9	8.9



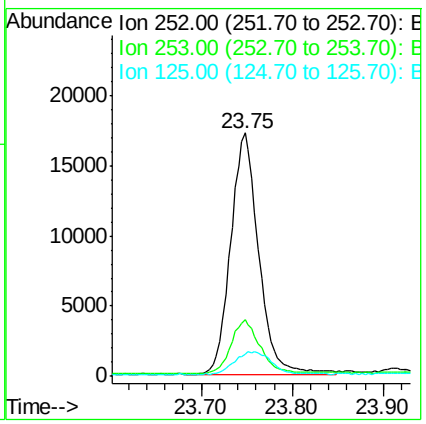


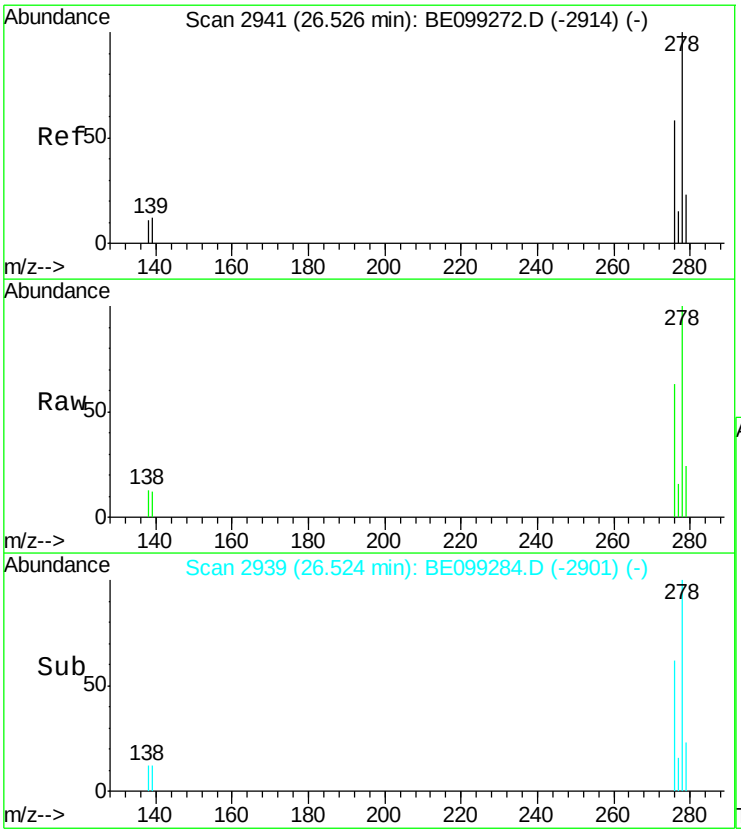
#37
Benzo(a)pyrene
Concen: 0.386 ng
RT: 23.75 min Scan# 2165
Delta R.T. -0.03 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 36830

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.1	27.1
125	9.4	6.8	10.2

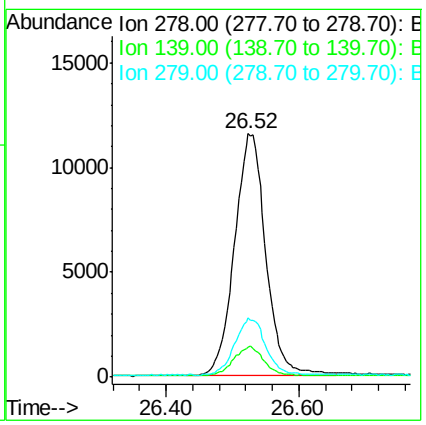


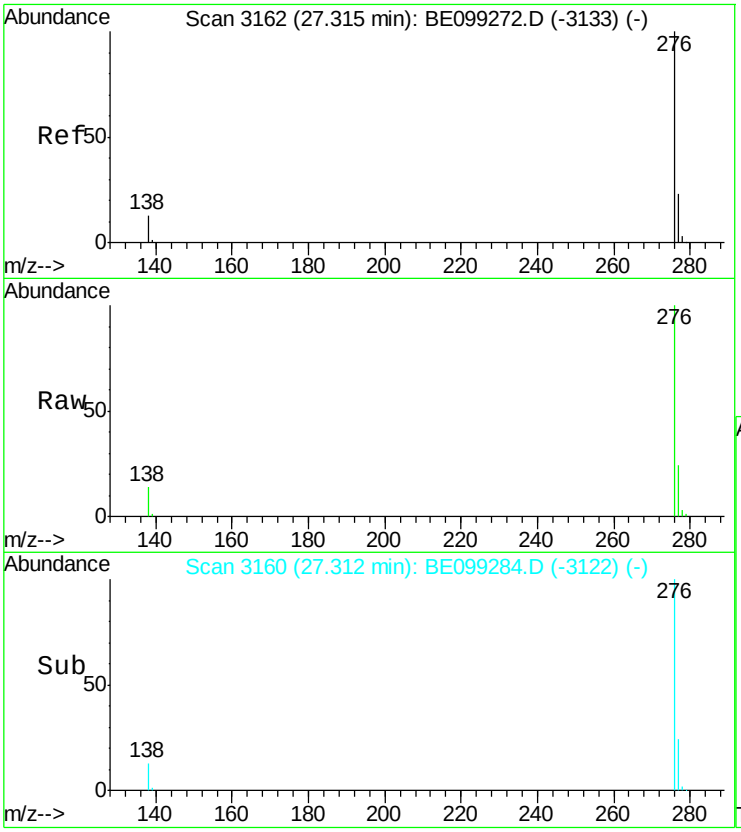


#38
Dibenzo(a,h)anthracene
Concen: 0.401 ng
RT: 26.52 min Scan# 2939
Delta R.T. -0.06 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Tgt Ion:278 Resp: 38075

Ion	Ratio	Lower	Upper
278	100		
139	12.4	9.5	14.3
279	24.1	19.1	28.7





#39
Benzo(g,h,i)perylene
Concen: 0.400 ng
RT: 27.31 min Scan# 3160
Delta R.T. -0.06 min
Lab File: BE099284.D
Acq: 2 Apr 2019 21:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 37858

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.0	28.4
138	14.0	11.1	16.7