Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
Data File : BE099691.D
Acq On : 21 May 2019 16:21
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: May 21 18:54:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1819	0.40	ng		0.00
7) Naphthalene-d8	10.63	136	6703	0.40	ng		0.01
13) Acenaphthene-d10	14.48	164	4870	0.40	ng		0.00
19) Phenanthrene-d10	17.23	188	14311	0.40	ng		0.00
27) Chrysene-d12	21.43	240	21416	0.40	ng		0.01
34) Perylene-d12	23.96	264	25035	0.40	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1769	0.38	ng		0.00
5) Phenol-d6	6.98	99	2273	0.37	ng		0.00
8) Nitrobenzene-d5	8.98	82	2147	0.37	ng		0.00
11) 2-Methylnaphthalene-d10	12.22	152	4107	0.36	ng		0.00
14) 2,4,6-Tribromophenol	15.98	330	1108	0.43	ng		0.00
15) 2-Fluorobiphenyl	13.12	172	6436	0.35	ng		0.01
25) Fluoranthene-d10	19.27	212	70129	0.36	ng		0.00
29) Terphenyl-d14	19.86	244	14275	0.37	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	815	0.303	ng	#	89
3) n-Nitrosodimethylamine	3.64	42	406	0.273	ng	#	83
6) bis(2-Chloroethyl)ether	7.24	93	1915	0.354	ng		93
9) Naphthalene	10.67	128	25044	0.349	ng		100
10) Hexachlorobutadiene	10.95	225	1834	0.347	ng		99
12) 2-Methylnaphthalene	12.29	142	4262	0.365	ng		97
16) Acenaphthylene	14.21	152	8289	0.365	ng		98
17) Acenaphthene	14.56	154	4608	0.362	ng		100
18) Fluorene	15.53	166	6634	0.354	ng		100
20) 4-Bromophenyl-phenylether	16.42	248	2877	0.349	ng		97
21) Hexachlorobenzene	16.53	284	3121	0.370	ng		100
22) Pentachlorophenol	16.91	266	818	0.492	ng		97
23) Phenanthrene	17.28	178	12836	0.367	ng		99
24) Anthracene	17.36	178	11329	0.357	ng		99
26) Fluoranthene	19.30	202	19857	0.359	ng		99
28) Pyrene	19.66	202	20881	0.388	ng		100
30) Benzo(a)anthracene	21.40	228	24790	0.407	ng		100
31) Chrysene	21.46	228	26042	0.400	ng		97
32) Bis(2-ethylhexyl)phthalate	21.32	149	35885	0.512	ng		99
33) Indeno(1,2,3-cd)pyrene	26.66	276	30326	0.386	ng		99
35) Benzo(b)fluoranthene	23.23	252	24767	0.361	ng		99
36) Benzo(k)fluoranthene	23.23	252	25309	0.354	ng		99
37) Benzo(a)pyrene	23.85	252	23760	0.360	ng	#	99
38) Dibenzo(a,h)anthracene	26.68	278	24627	0.355	ng		98
39) Benzo(g,h,i)perylene	27.49	276	24737	0.353	ng		99

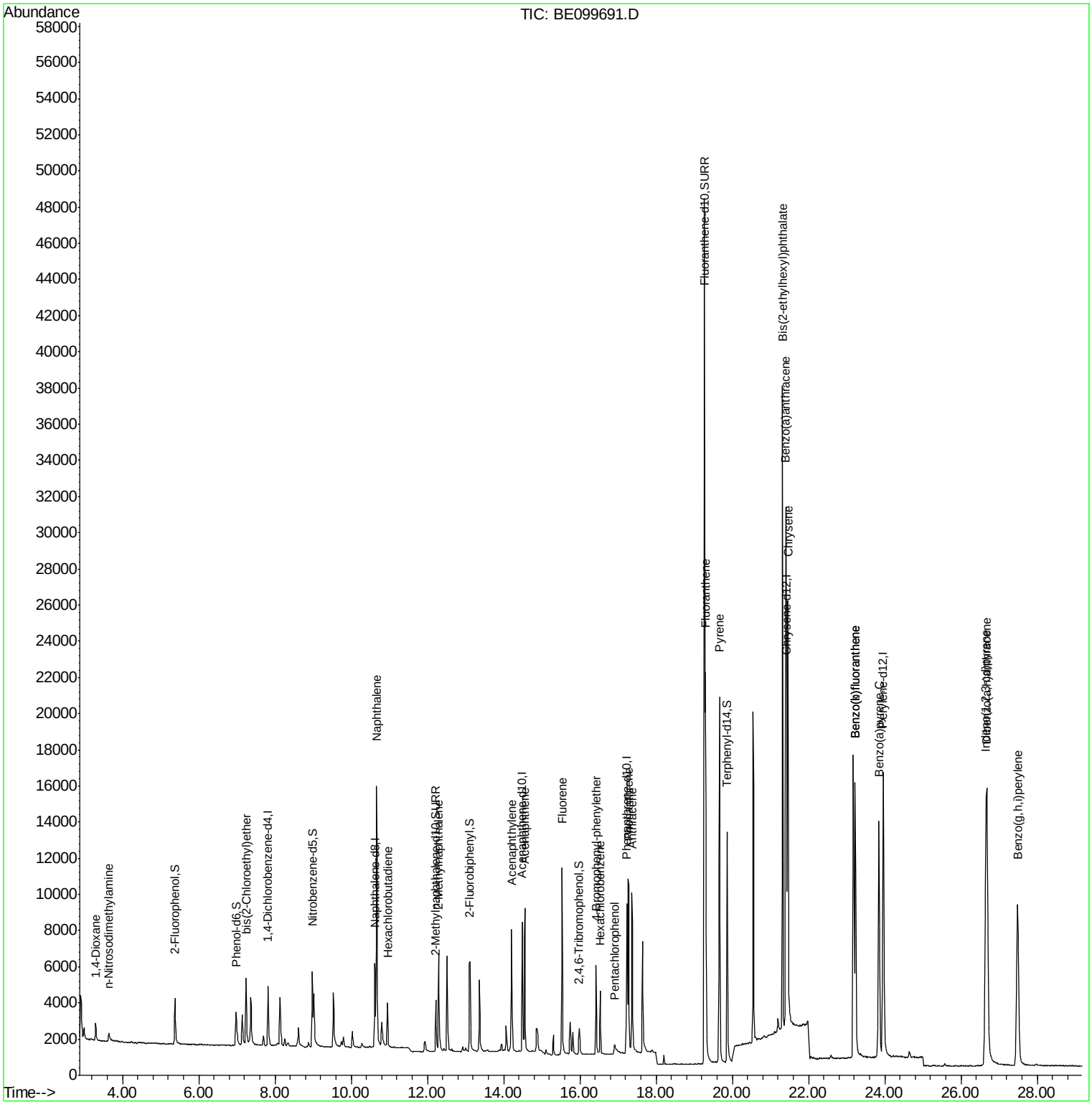
(#) = qualifier out of range (m) = manual integration (+) = signals summed

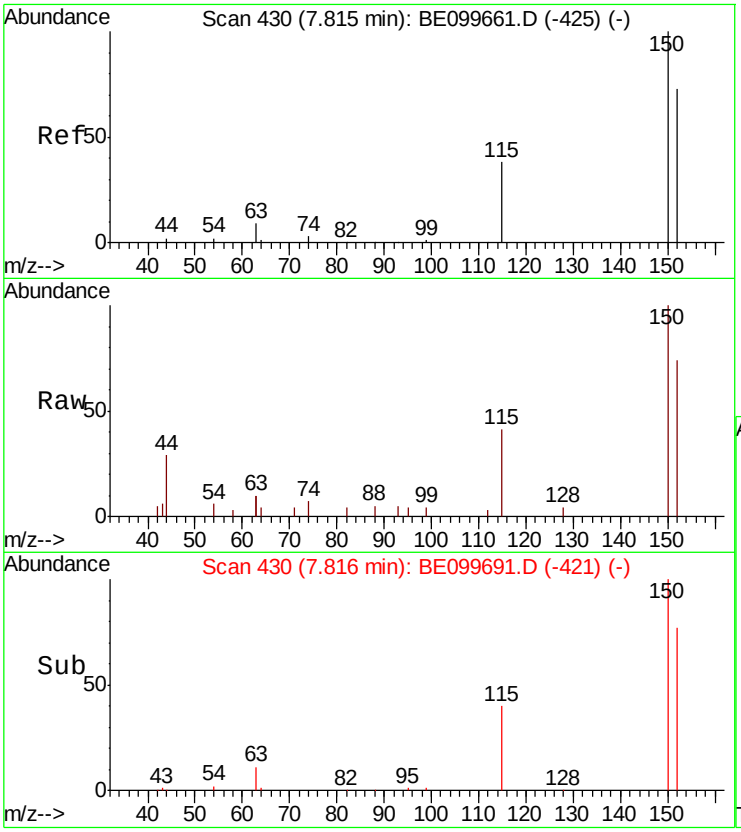
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052119\
Data File : BE099691.D
Acq On : 21 May 2019 16:21
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 21 18:54:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA E\METHODS\8270-SIM-BE052019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 20 19:29:40 2019
Response via : Initial Calibration



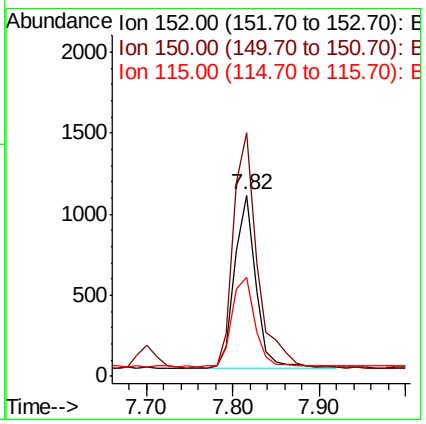


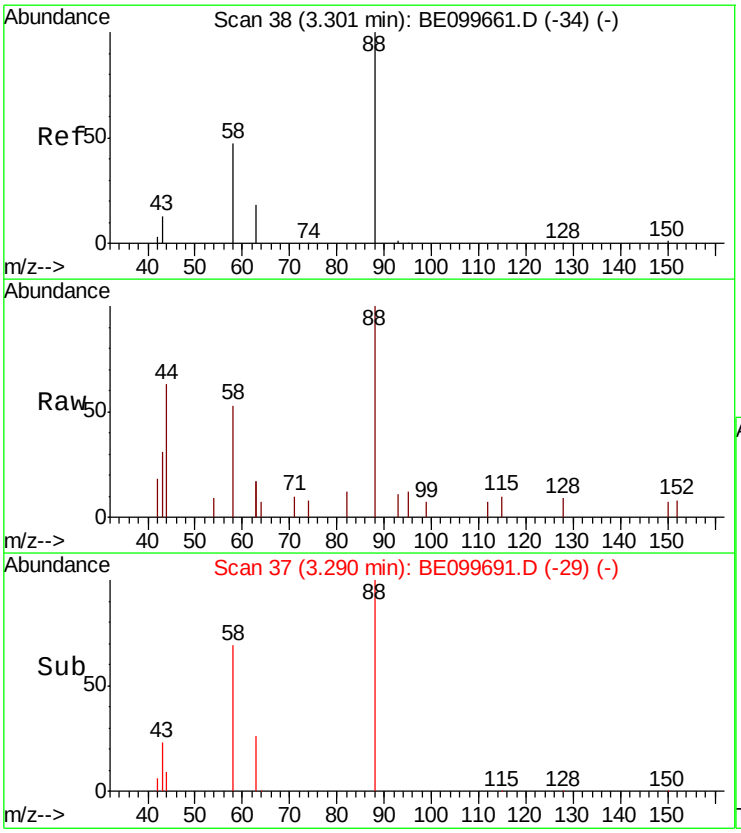
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 1819

Ion	Ratio	Lower	Upper
152	100		
150	134.6	109.2	163.8
115	55.0	43.7	65.5

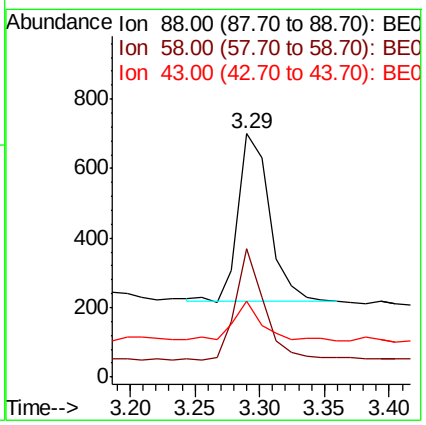


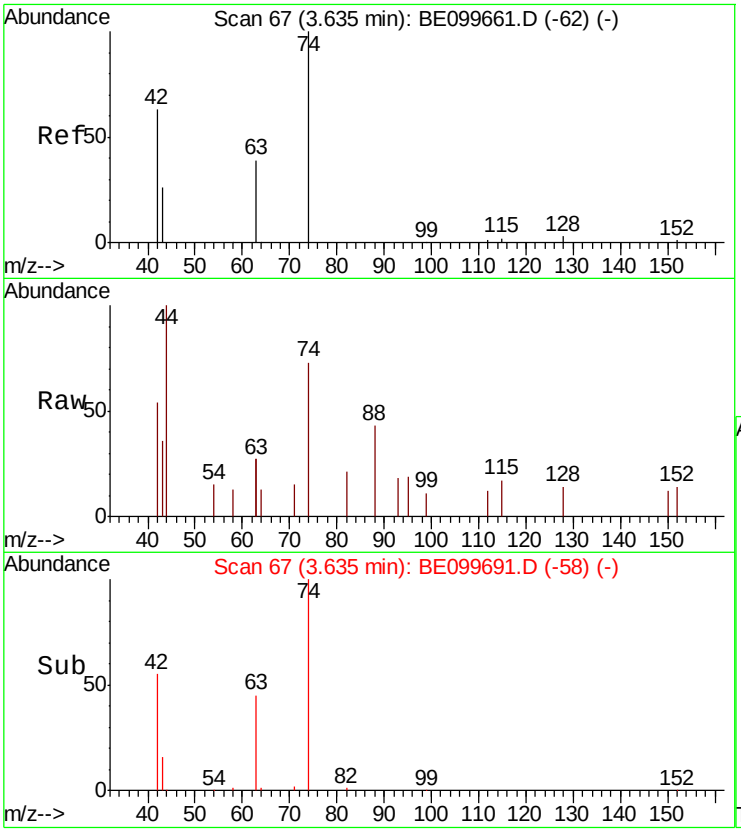


#2
1,4-Dioxane
Concen: 0.303 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion: 88 Resp: 815

Ion	Ratio	Lower	Upper
88	100		
58	60.1	41.8	62.8
43	23.3	15.0	22.4#



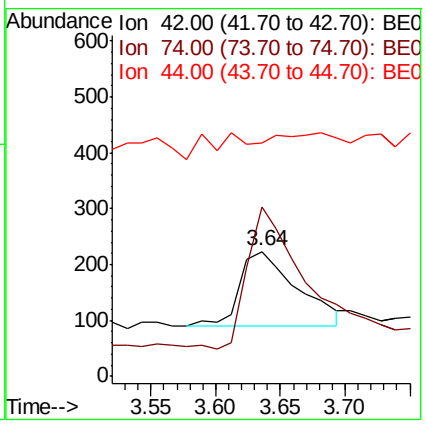


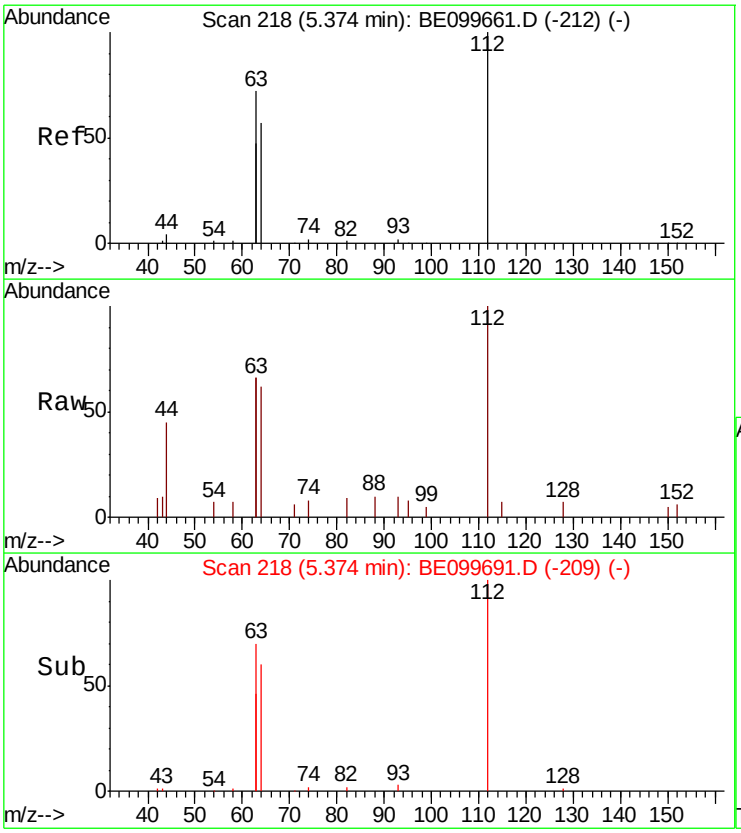
#3
n-Nitrosodimethylamine
Concen: 0.273 ng
RT: 3.64 min Scan# 67
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 406

Ion	Ratio	Lower	Upper
42	100		
74	184.5	129.2	193.8
44	0.0	0.0	0.0

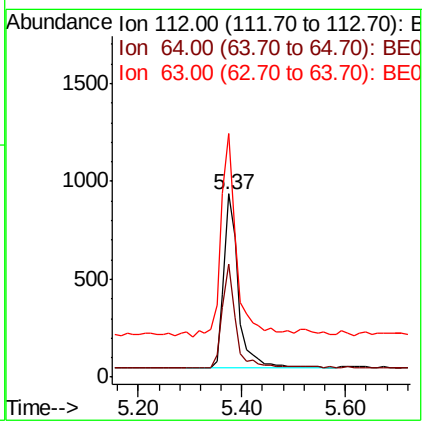


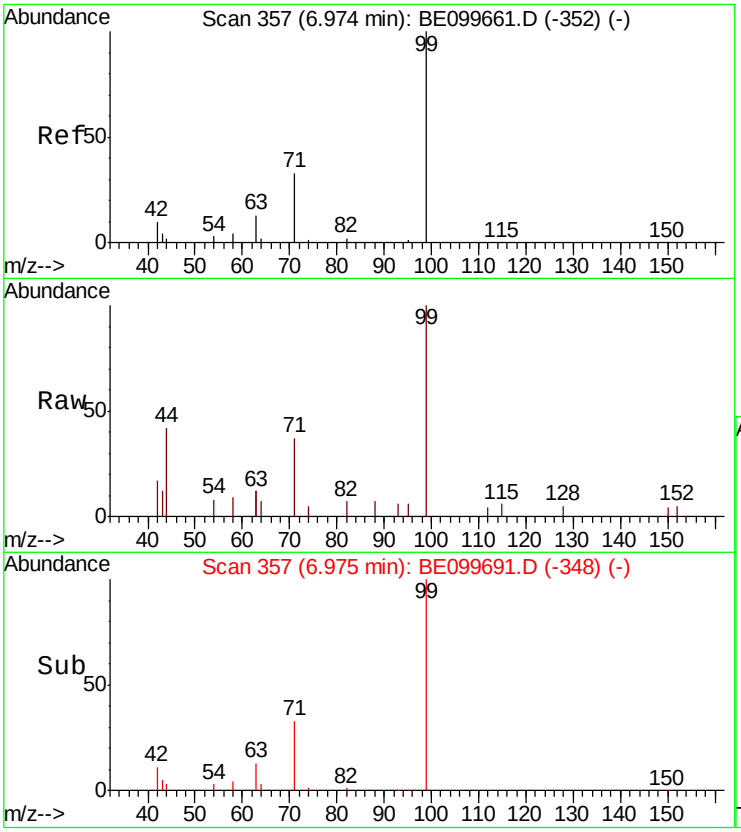


#4
2-Fluorophenol
Concen: 0.385 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:112 Resp: 1769

Ion	Ratio	Lower	Upper
112	100		
64	54.8	43.4	65.2
63	121.0	96.9	145.3



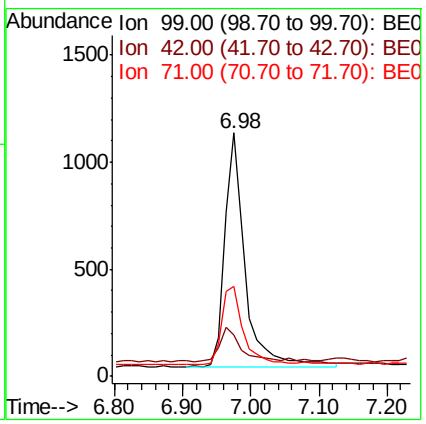


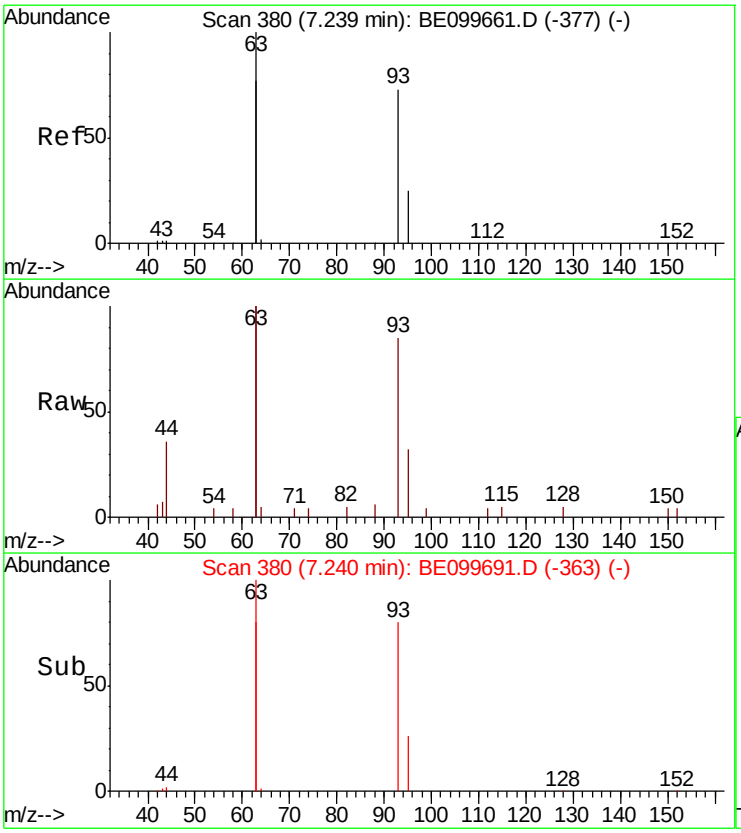
#5
Phenol-d6
Concen: 0.374 ng
RT: 6.98 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 2273

Ion	Ratio	Lower	Upper
99	100		
42	15.3	12.2	18.2
71	37.8	28.9	43.3

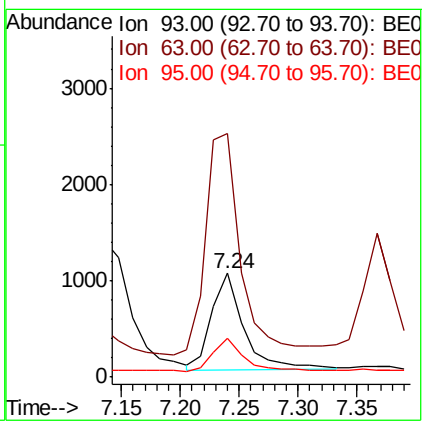


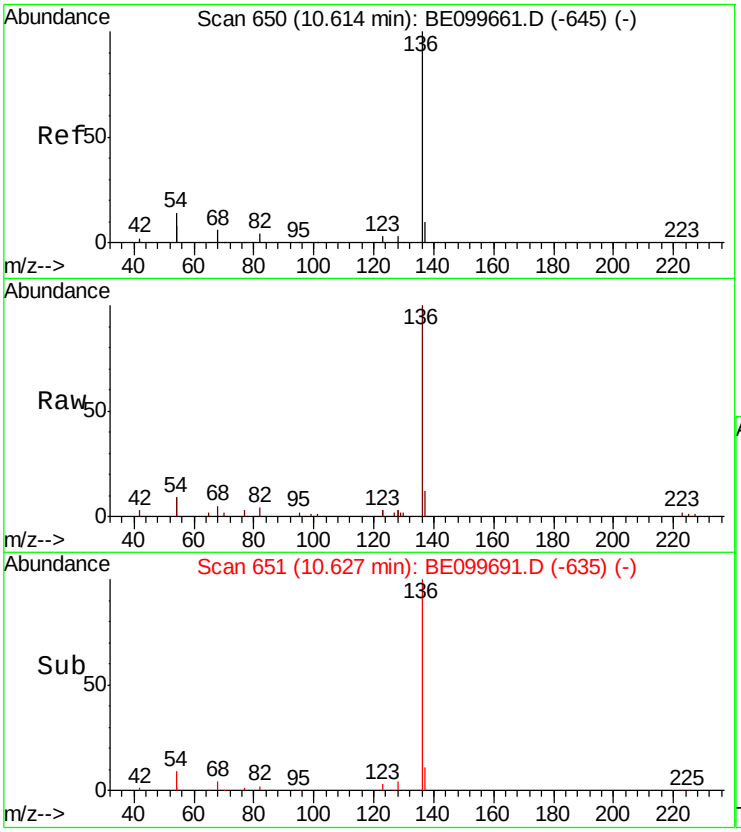


#6
bis(2-Chloroethyl)ether
Concen: 0.354 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion: 93 Resp: 1915

Ion	Ratio	Lower	Upper
93	100		
63	245.9	207.8	311.6
95	32.0	25.9	38.9



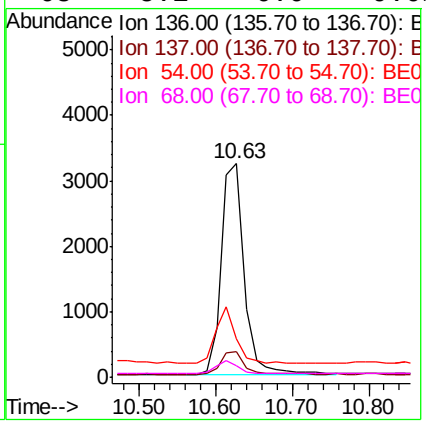


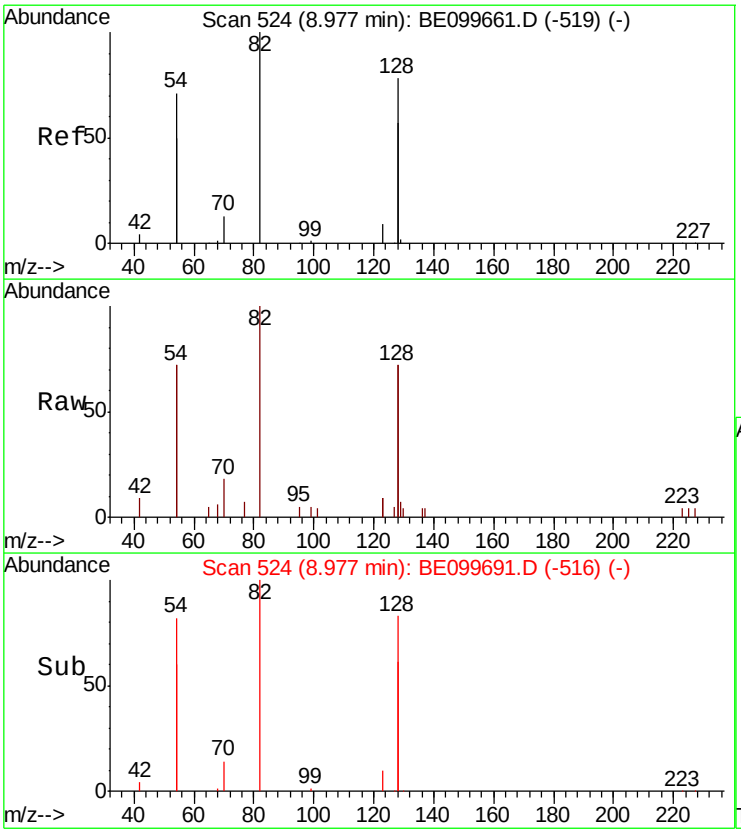
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.63 min Scan# 651
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 6703

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.0	13.6
54	17.8	22.3	33.5#
68	5.1	6.0	9.0#

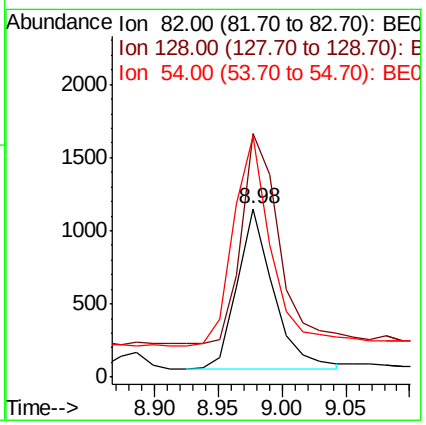


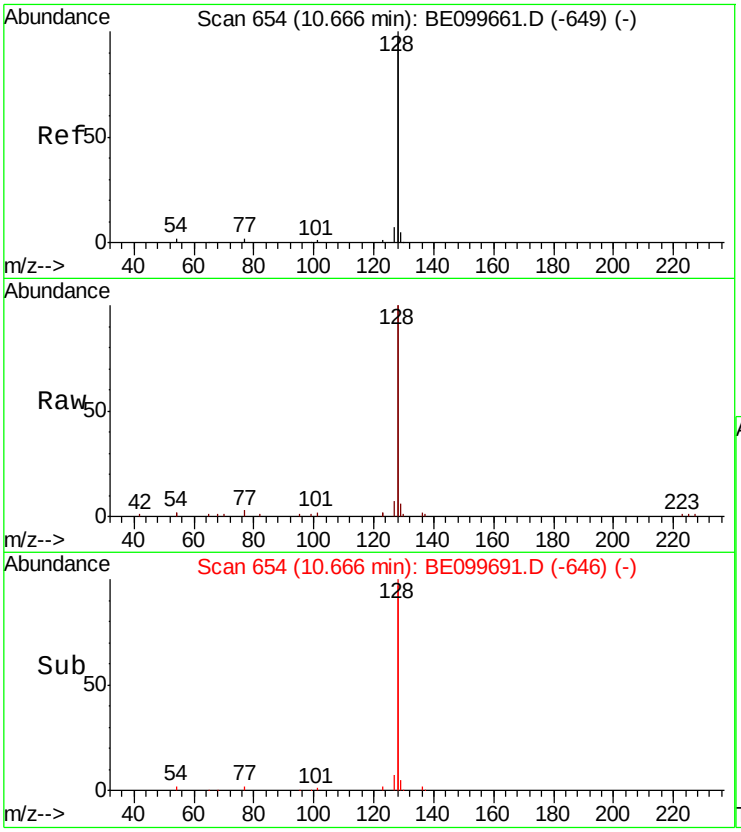


#8
Nitrobenzene-d5
Concen: 0.370 ng
RT: 8.98 min Scan# 524
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion: 82 Resp: 2147

Ion	Ratio	Lower	Upper
82	100		
128	144.7	117.7	176.5
54	143.7	106.6	160.0



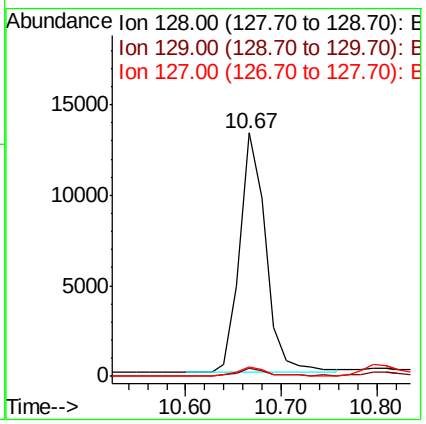


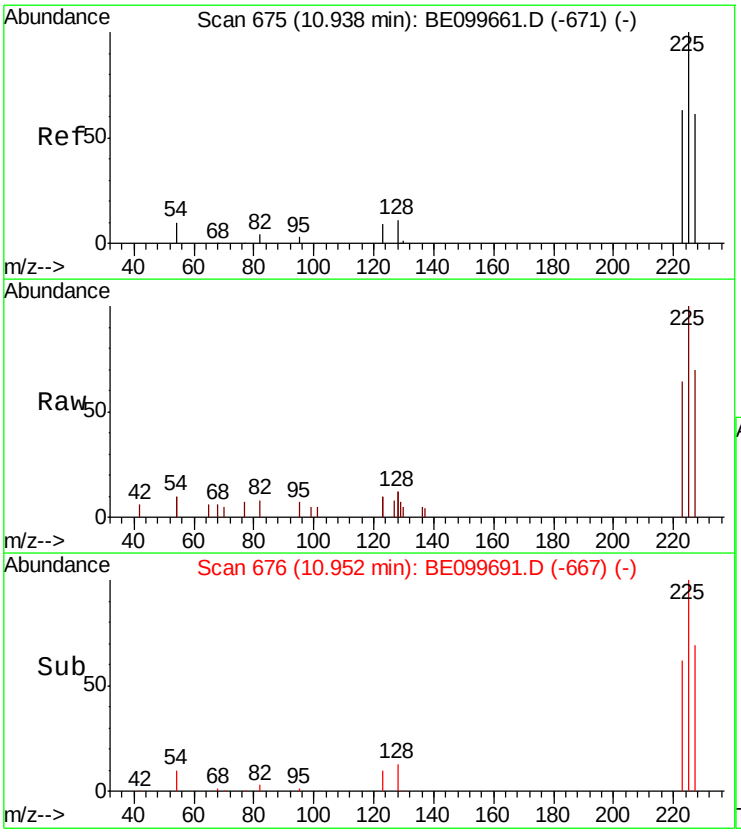
#9
Naphthalene
Concen: 0.349 ng
RT: 10.67 min Scan# 654
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 25044

Ion	Ratio	Lower	Upper
128	100		
129	3.1	2.4	3.6
127	3.7	2.9	4.3

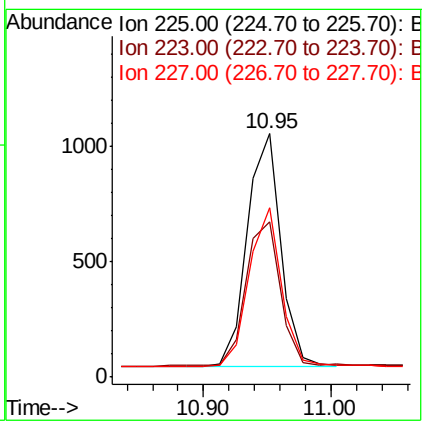


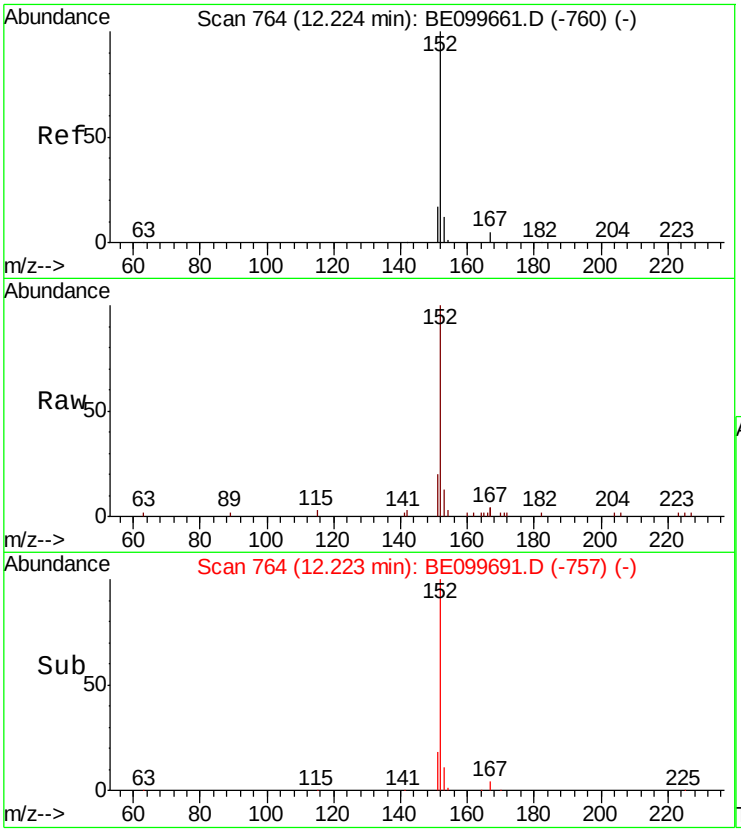


#10
Hexachlorobutadiene
Concen: 0.347 ng
RT: 10.95 min Scan# 676
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:225 Resp: 1834

Ion	Ratio	Lower	Upper
225	100		
223	63.2	51.8	77.6
227	65.6	52.6	79.0



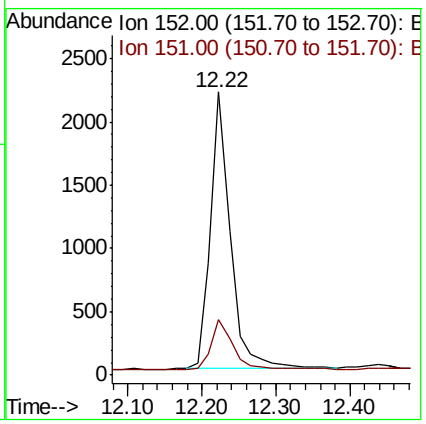


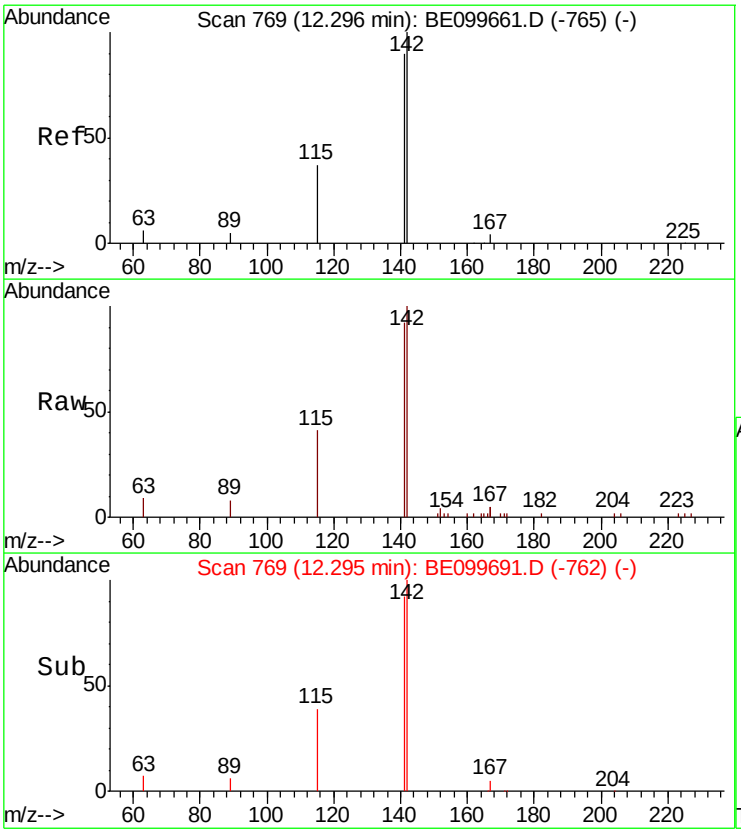
#11
2-Methylnaphthalene-d10
Concen: 0.355 ng
RT: 12.22 min Scan# 764
Delta R.T. -0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 4107

Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.0	22.4

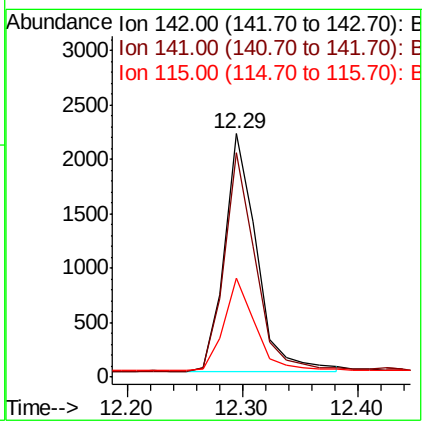


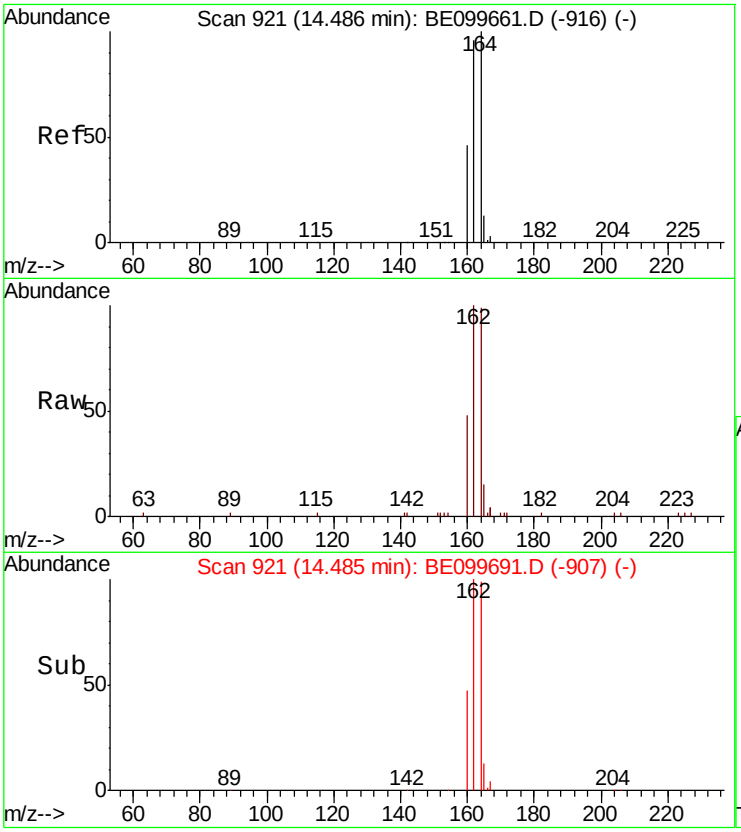


#12
2-Methylnaphthalene
Concen: 0.365 ng
RT: 12.29 min Scan# 769
Delta R.T. -0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:142 Resp: 4262

Ion	Ratio	Lower	Upper
142	100		
141	92.2	72.0	108.0
115	40.9	31.0	46.4



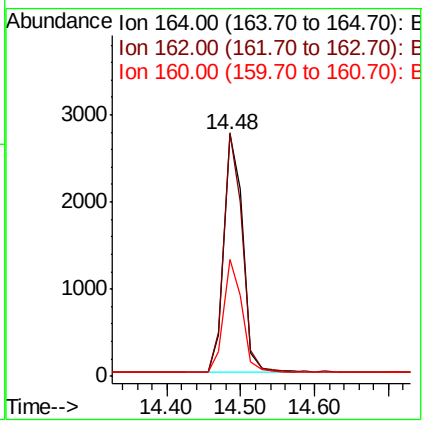


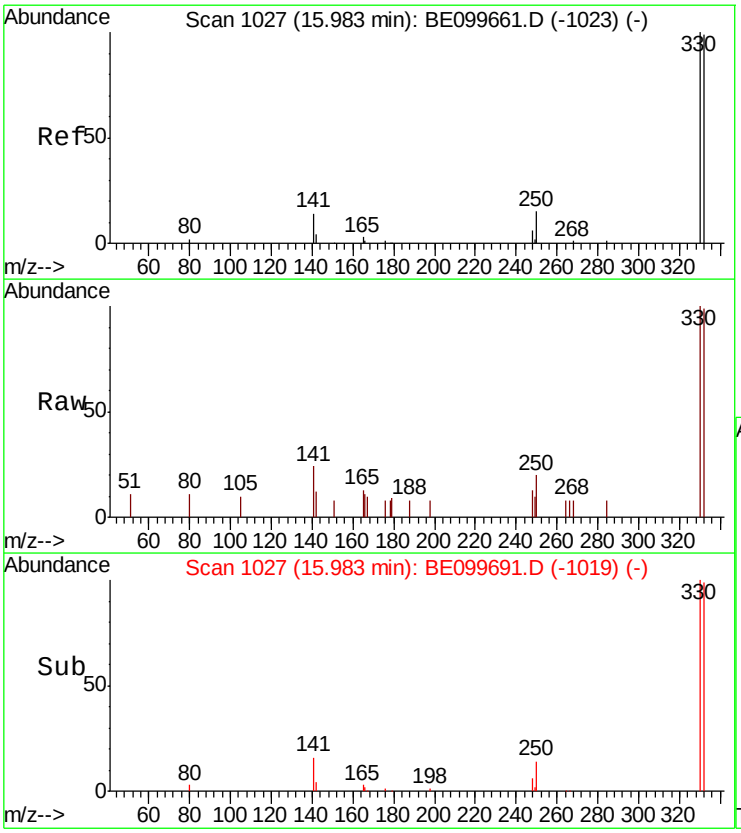
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.48 min Scan# 921
Delta R.T. -0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 4870

Ion	Ratio	Lower	Upper
164	100		
162	100.6	76.5	114.7
160	48.2	37.4	56.2

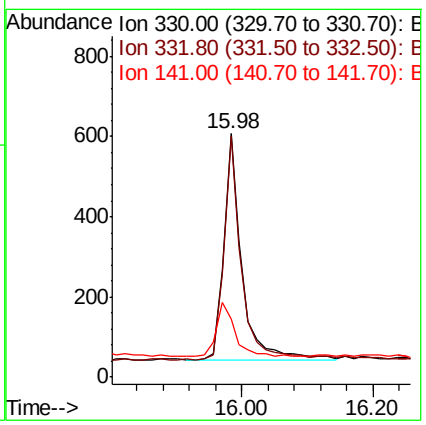


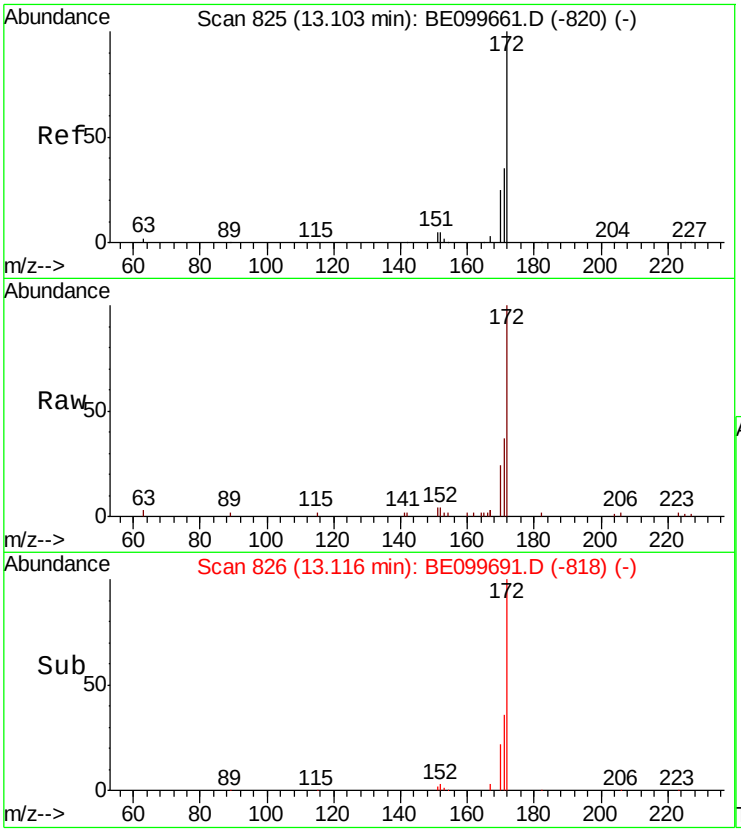


#14
2,4,6-Tribromophenol
Concen: 0.429 ng
RT: 15.98 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:330 Resp: 1108

Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.3	115.9
141	24.5	18.9	28.3



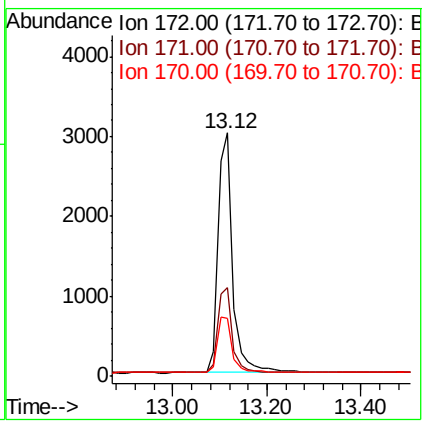


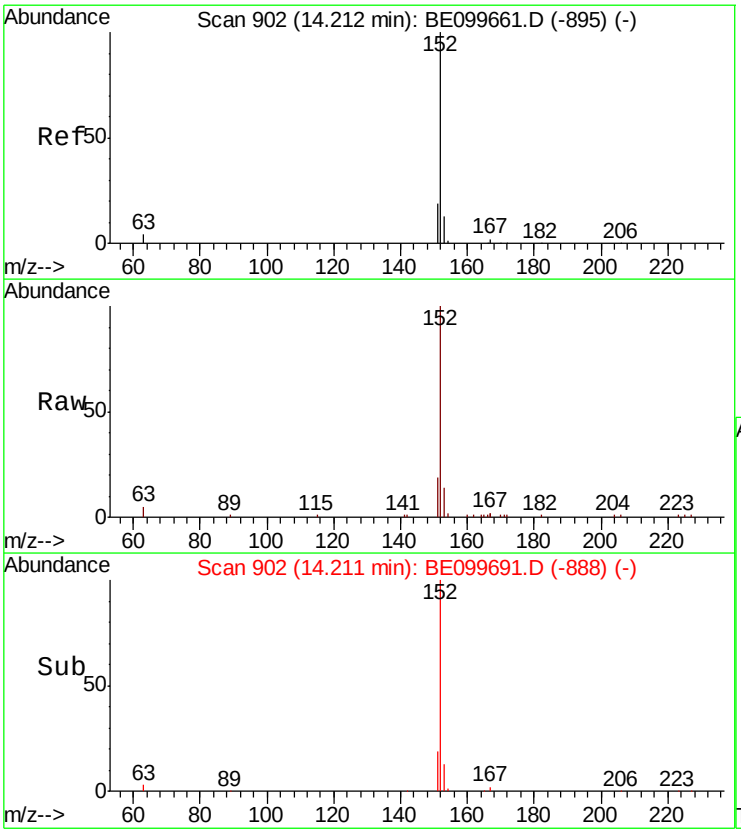
#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 13.12 min Scan# 826
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 6436

Ion	Ratio	Lower	Upper
172	100		
171	36.7	28.7	43.1
170	23.6	20.9	31.3

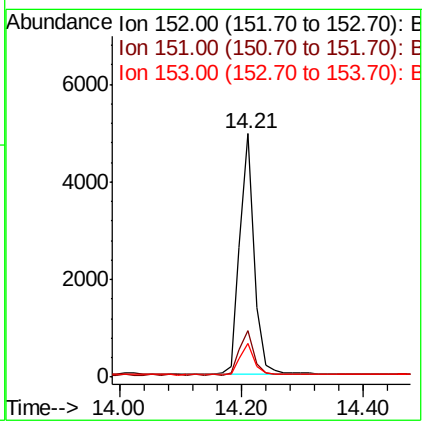


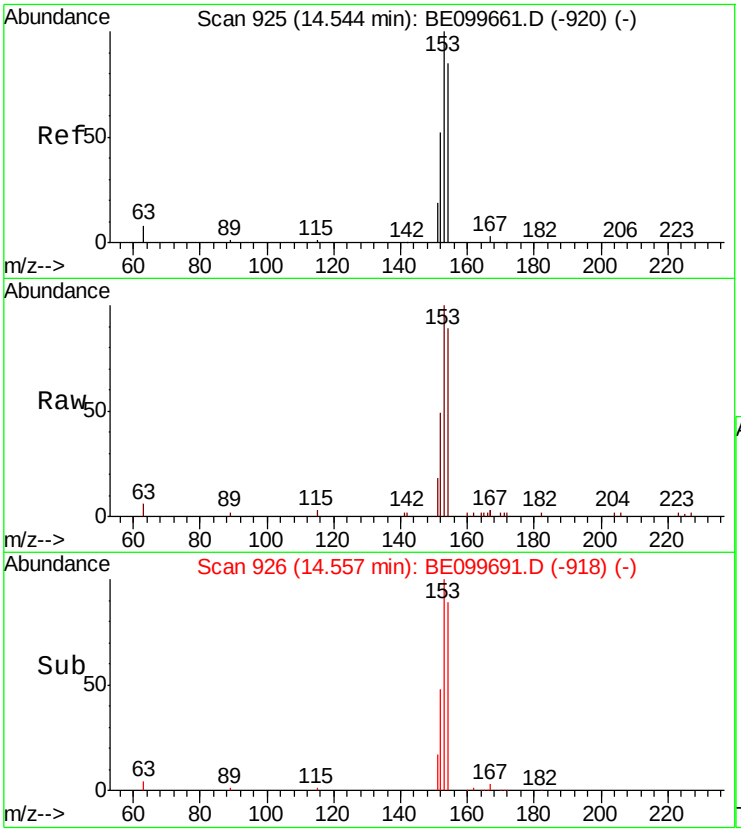


#16
Acenaphthylene
Concen: 0.365 ng
RT: 14.21 min Scan# 902
Delta R.T. -0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:152 Resp: 8289

Ion	Ratio	Lower	Upper
152	100		
151	18.9	15.9	23.9
153	12.9	10.6	16.0



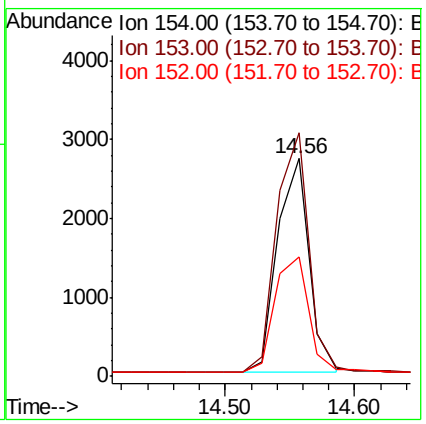


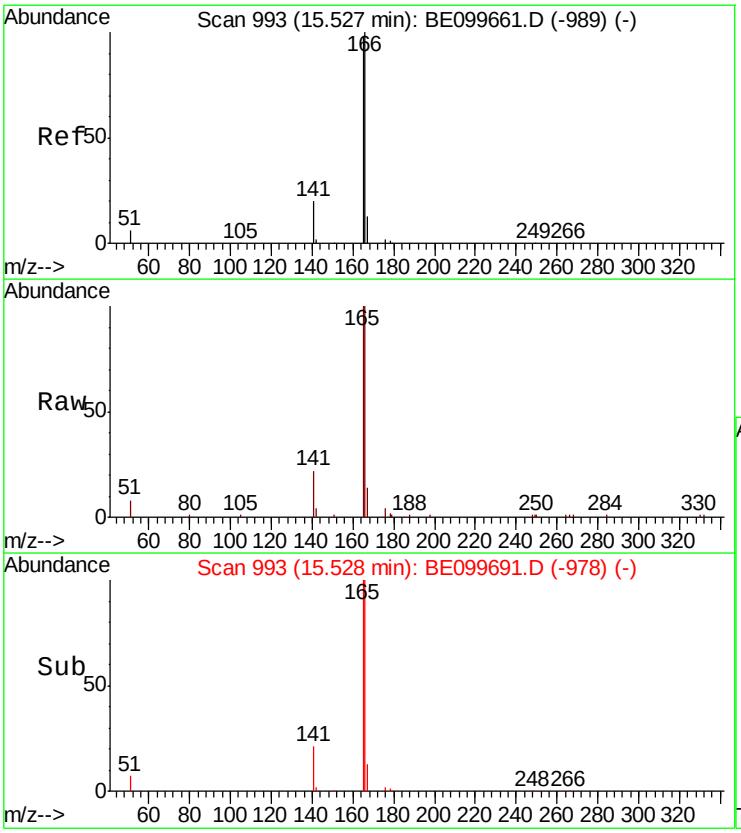
#17
Acenaphthene
Concen: 0.362 ng
RT: 14.56 min Scan# 926
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 4608

Ion	Ratio	Lower	Upper
154	100		
153	114.8	91.8	137.6
152	57.6	46.0	69.0

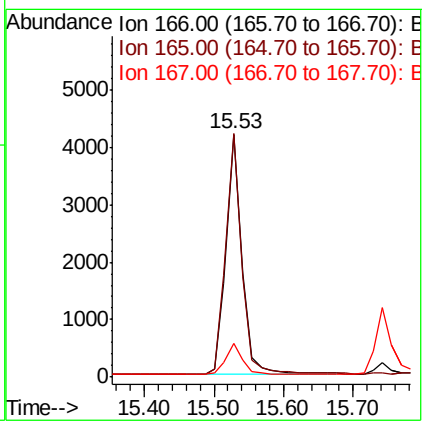


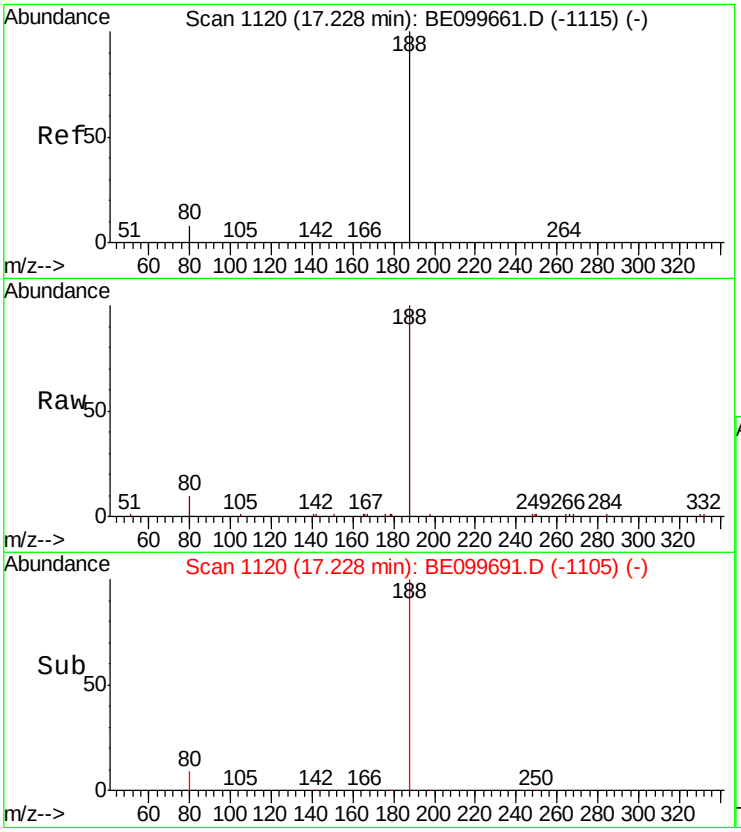


#18
Fluorene
Concen: 0.354 ng
RT: 15.53 min Scan# 993
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:166 Resp: 6634

Ion	Ratio	Lower	Upper
166	100		
165	100.8	80.3	120.5
167	13.4	10.6	16.0



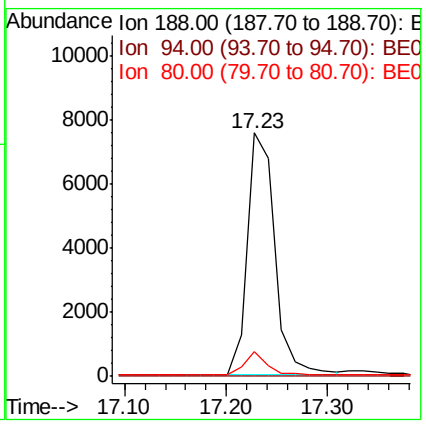


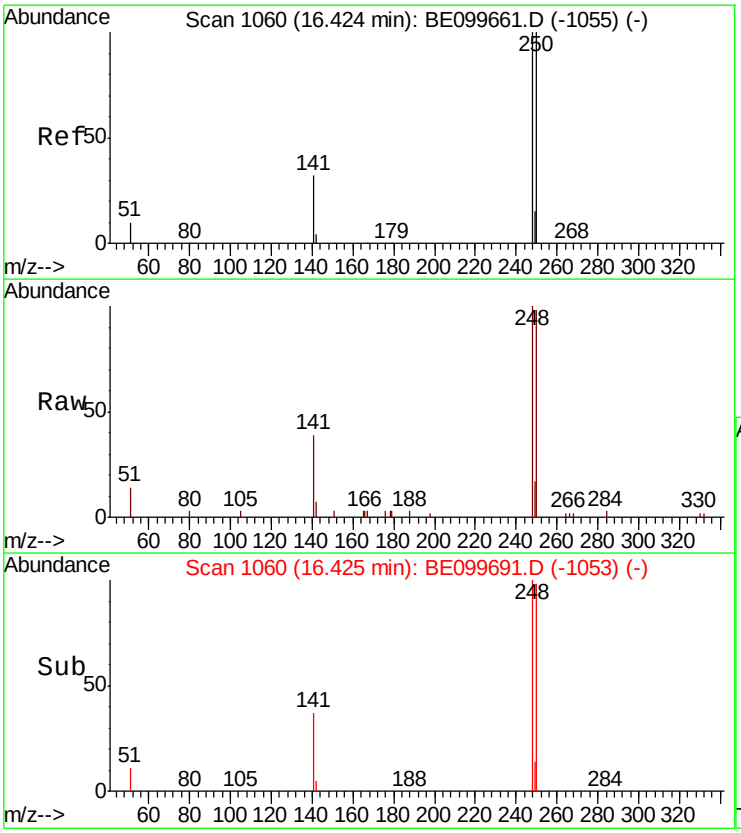
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 14311

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.0	6.7	10.1

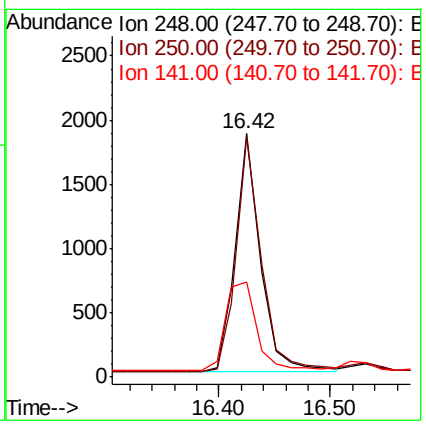


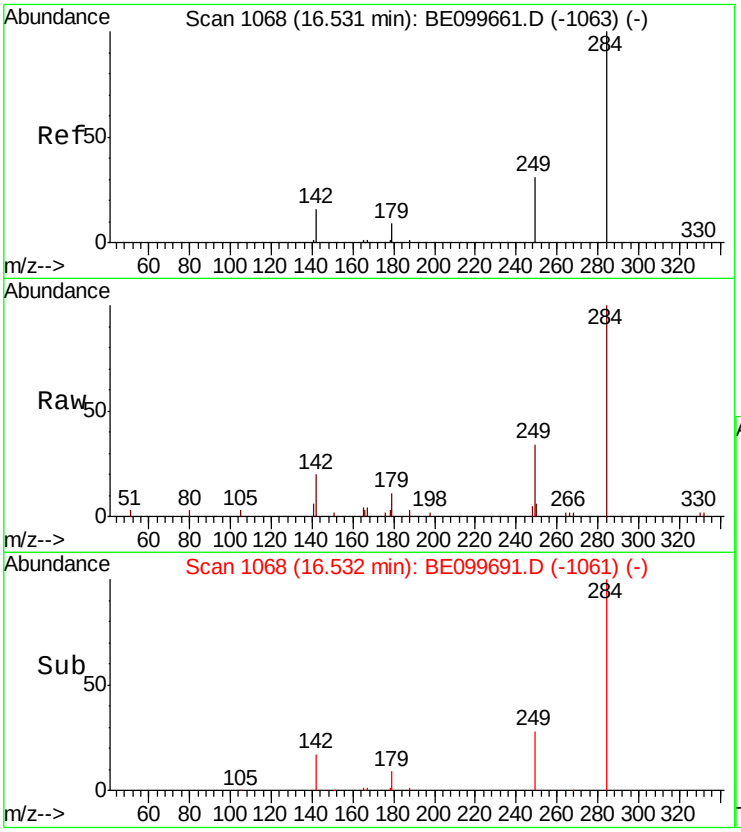


#20
4-Bromophenyl-phenylether
Concen: 0.349 ng
RT: 16.42 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:248 Resp: 2877

Ion	Ratio	Lower	Upper
248	100		
250	98.2	79.8	119.8
141	38.8	27.0	40.6



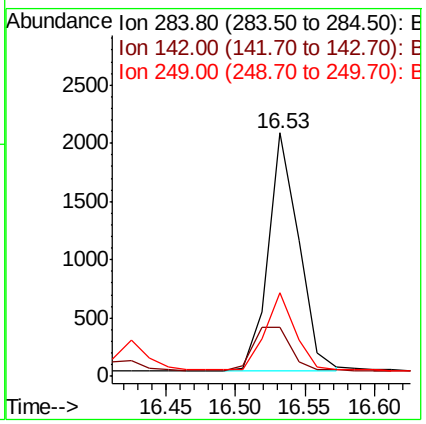


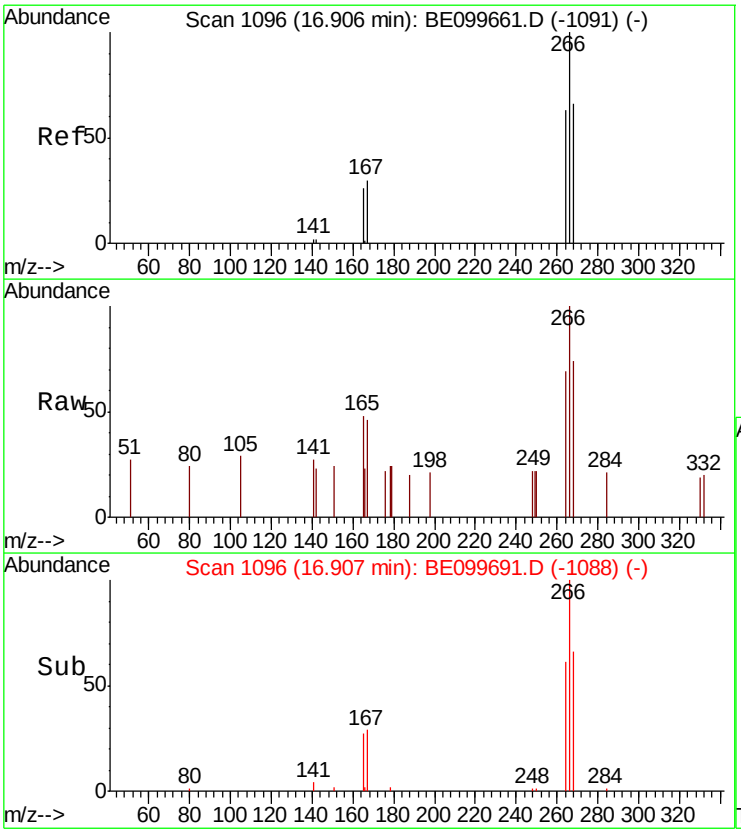
#21
Hexachlorobenzene
Concen: 0.370 ng
RT: 16.53 min Scan# 1068
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 3121

Ion	Ratio	Lower	Upper
284	100		
142	22.4	17.8	26.6
249	31.1	24.8	37.2

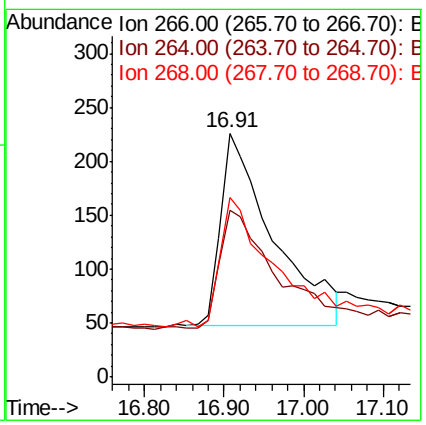


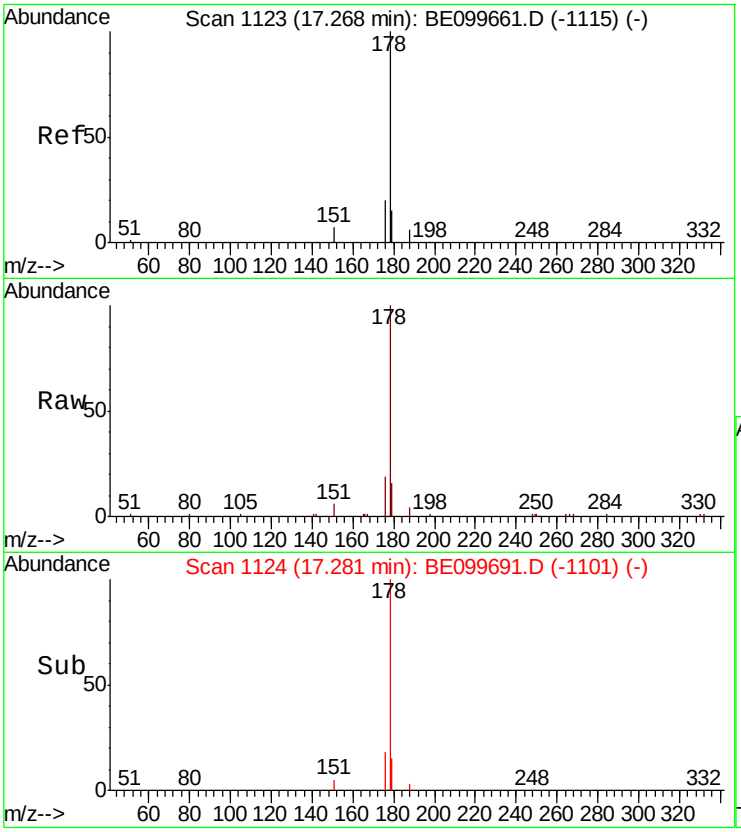


#22
Pentachlorophenol
Concen: 0.492 ng
RT: 16.91 min Scan# 1096
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:266 Resp: 818

Ion	Ratio	Lower	Upper
266	100		
264	68.6	57.2	85.8
268	73.9	60.5	90.7



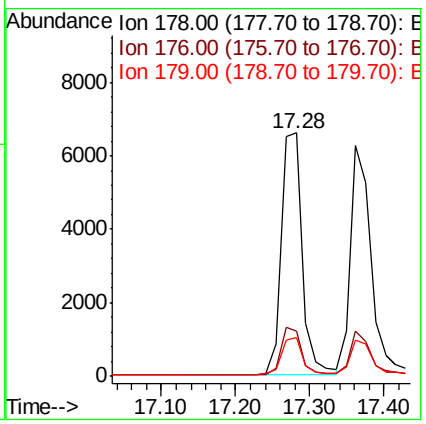


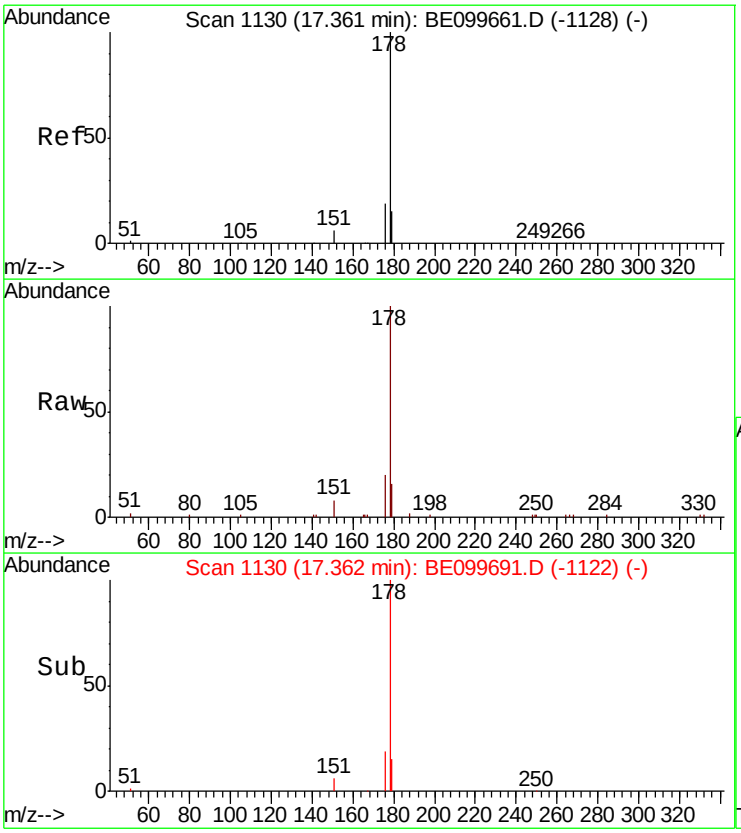
#23
Phenanthrene
Concen: 0.367 ng
RT: 17.28 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 12836

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.6	23.4
179	14.9	12.2	18.4

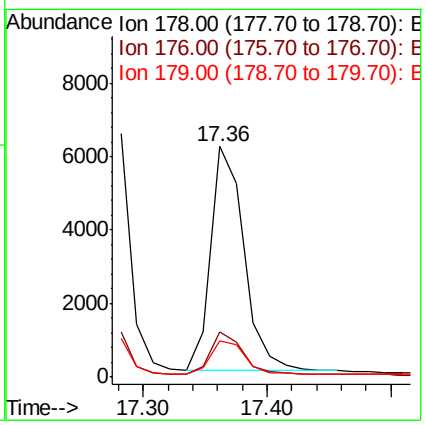


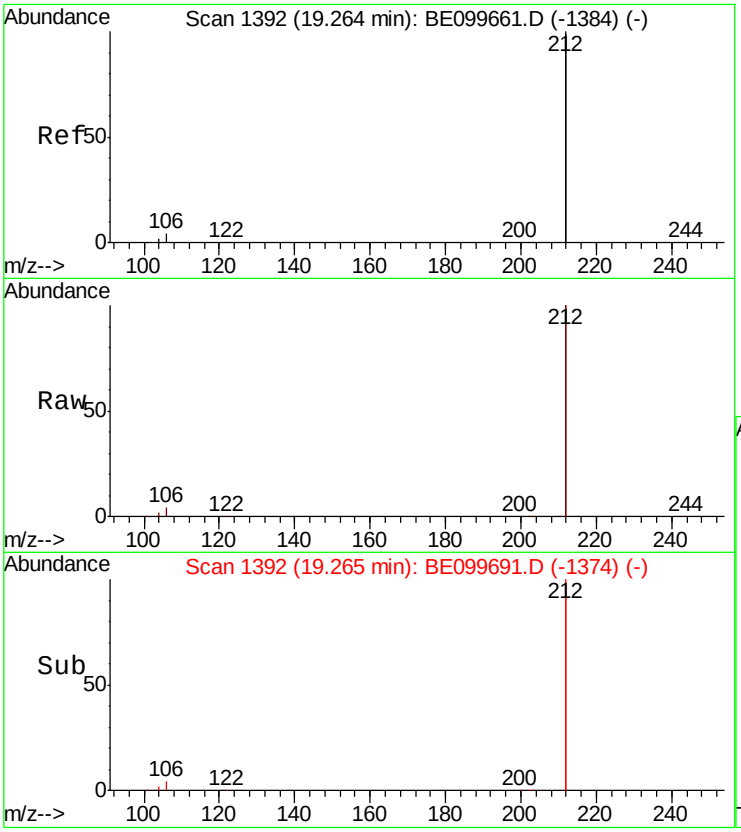


#24
Anthracene
Concen: 0.357 ng
RT: 17.36 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:178 Resp: 11329

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.7	22.1
179	15.7	12.0	18.0



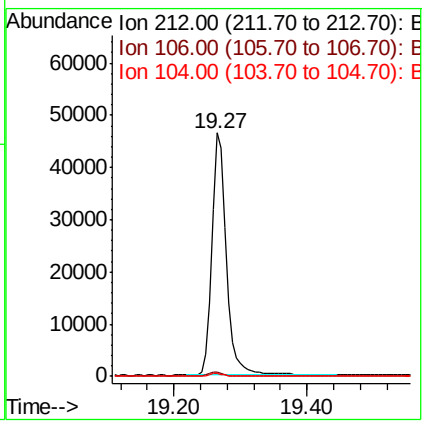


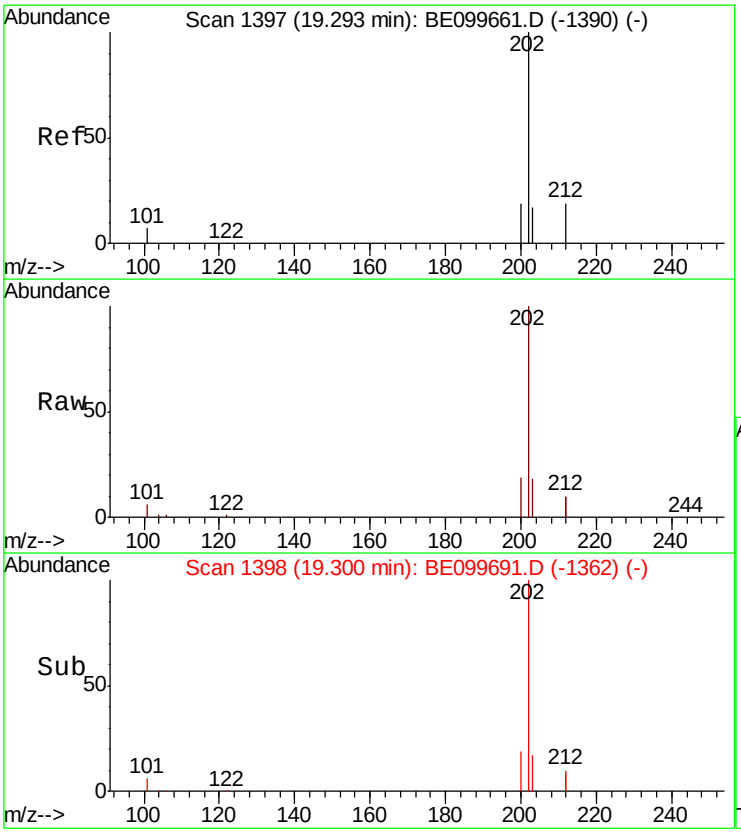
#25
Fluoranthene-d10
Concen: 0.359 ng
RT: 19.27 min Scan# 1392
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 70129

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.0	0.8	1.2

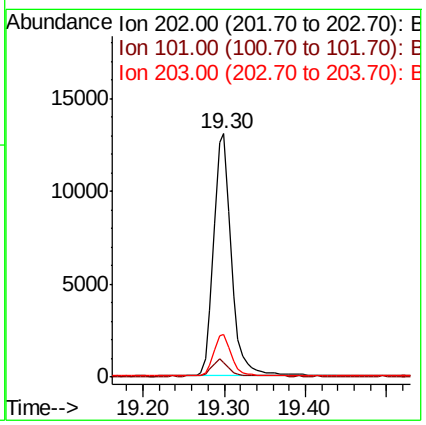


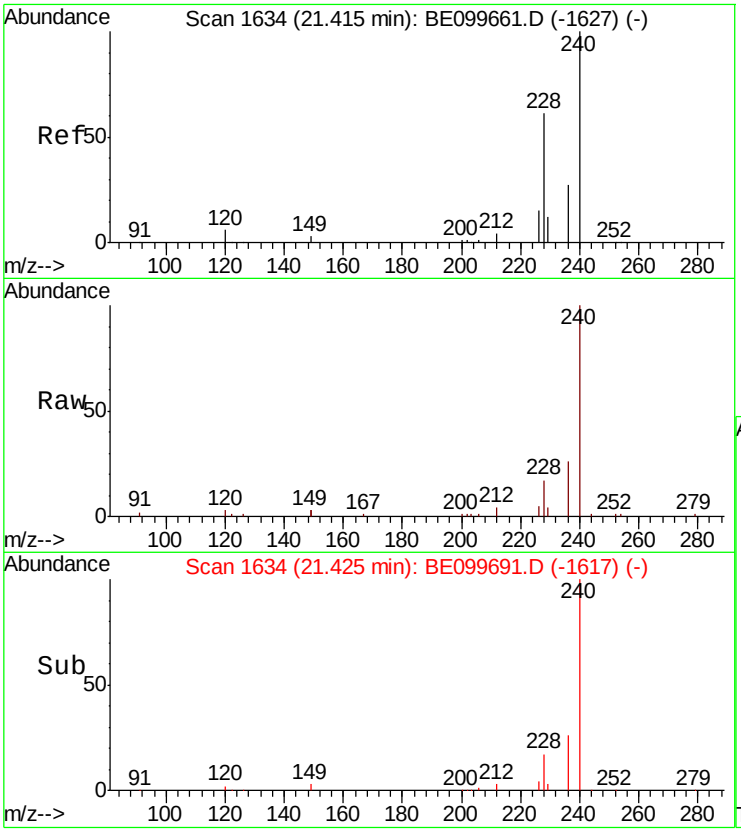


#26
Fluoranthene
Concen: 0.359 ng
RT: 19.30 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:202 Resp: 19857

Ion	Ratio	Lower	Upper
202	100		
101	6.7	5.2	7.8
203	17.0	13.8	20.6



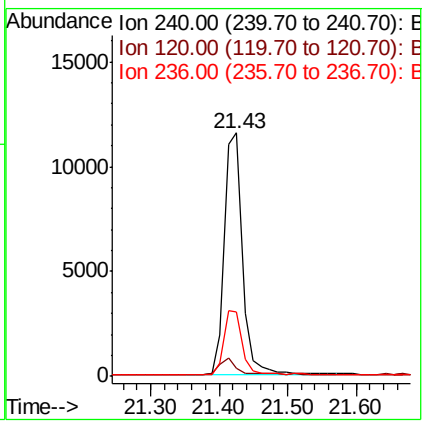


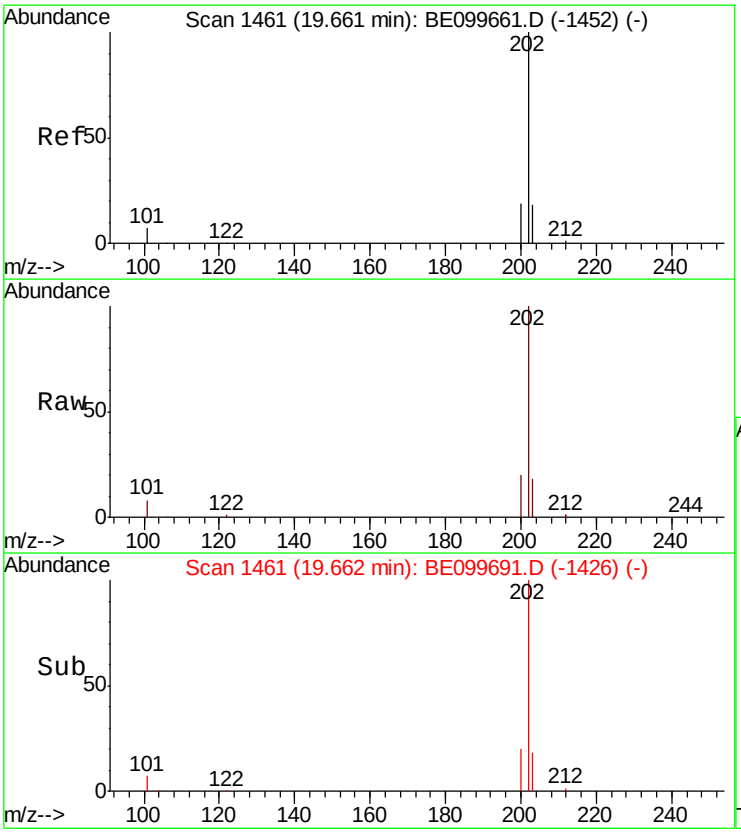
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.43 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 21416

Ion	Ratio	Lower	Upper
240	100		
120	3.2	5.4	8.0#
236	26.3	21.7	32.5

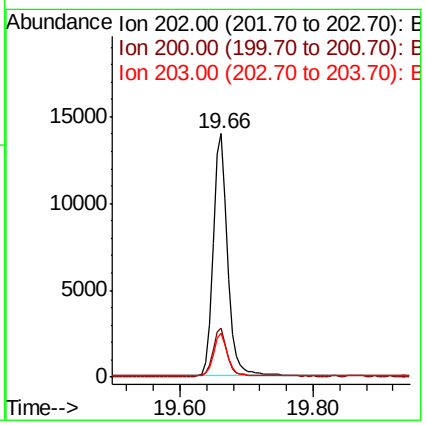


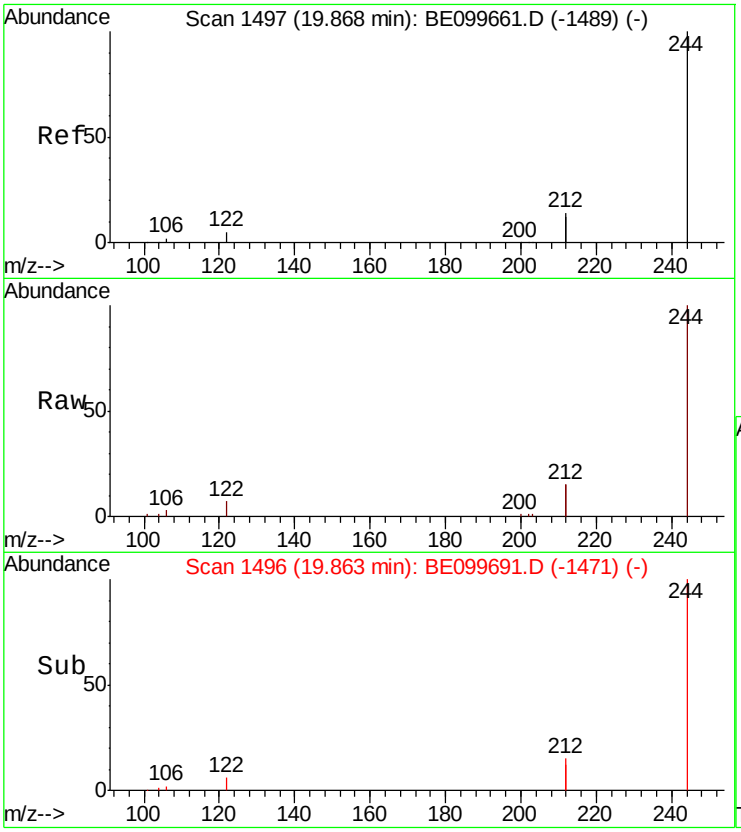


#28
Pyrene
Concen: 0.388 ng
RT: 19.66 min Scan# 1461
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:202 Resp: 20881

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.4	23.2
203	17.7	13.8	20.8



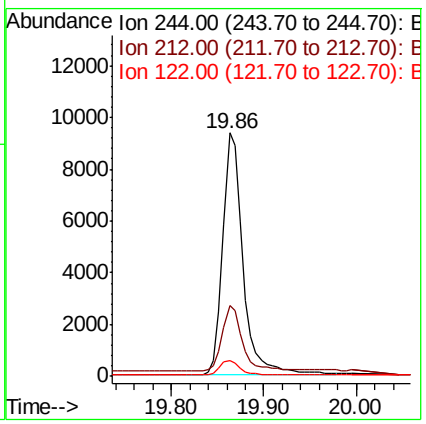


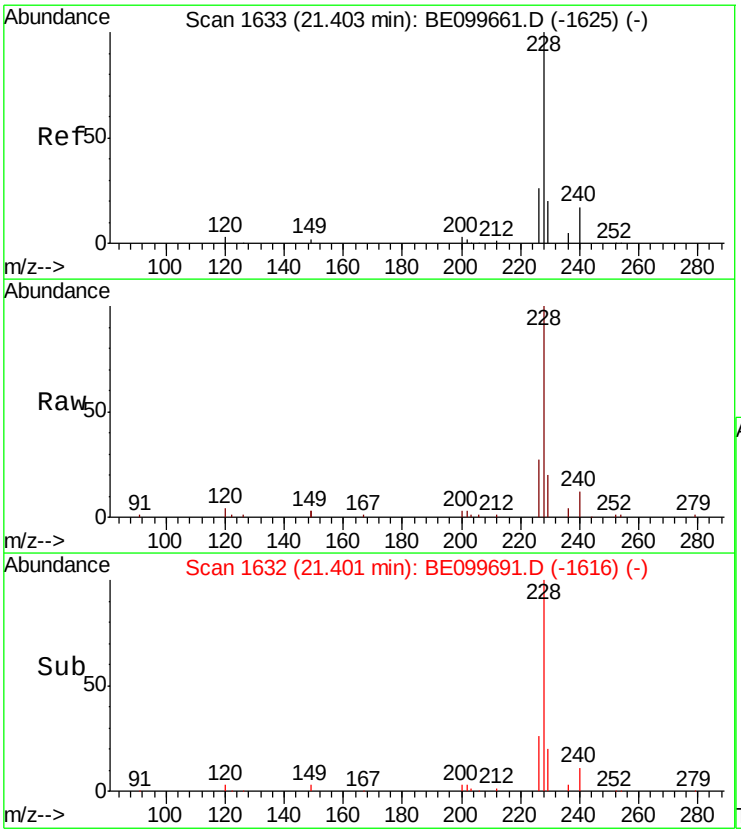
#29
Terphenyl-d14
Concen: 0.373 ng
RT: 19.86 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 14275

Ion	Ratio	Lower	Upper
244	100		
212	29.3	22.5	33.7
122	6.6	4.3	6.5#

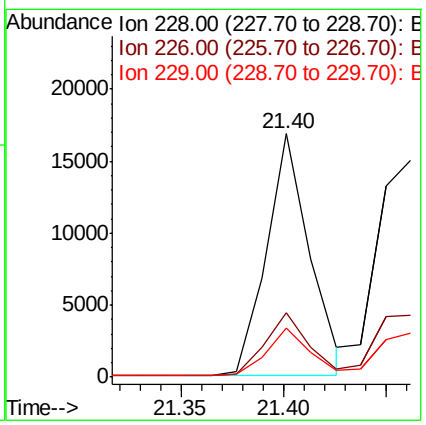


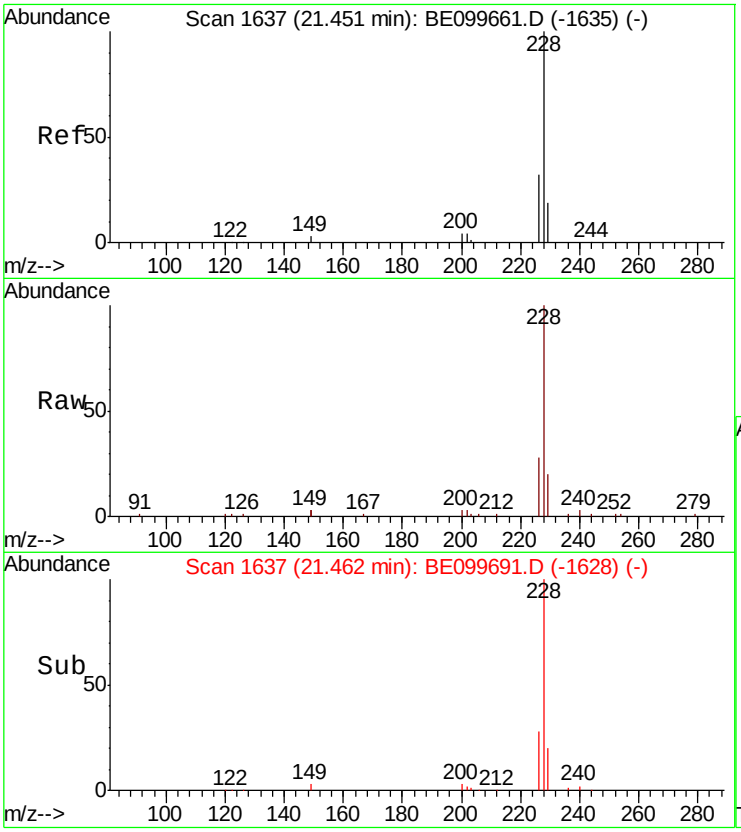


#30
Benzo(a)anthracene
Concen: 0.407 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:228 Resp: 24790

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	20.0	16.1	24.1



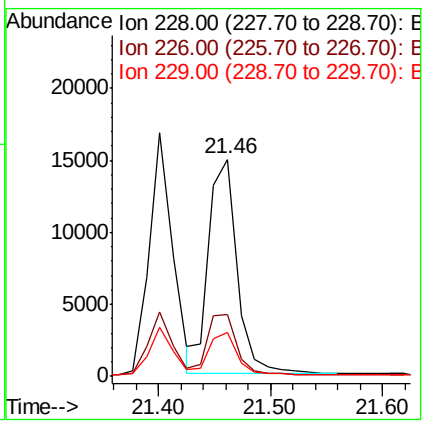


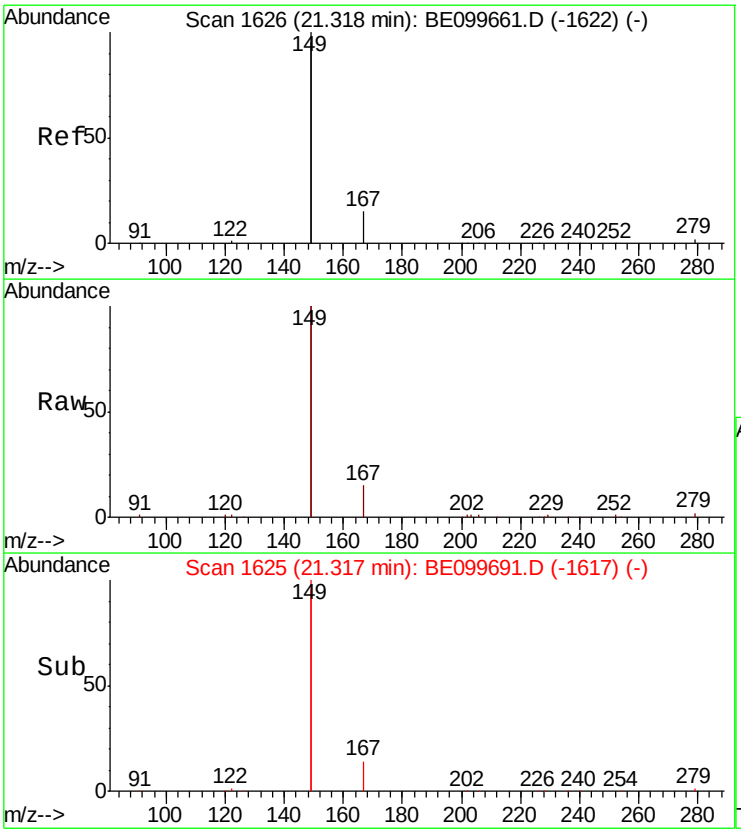
#31
Chrysene
Concen: 0.400 ng
RT: 21.46 min Scan# 1637
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 26042

Ion	Ratio	Lower	Upper
228	100		
226	28.4	24.7	37.1
229	20.1	15.8	23.6

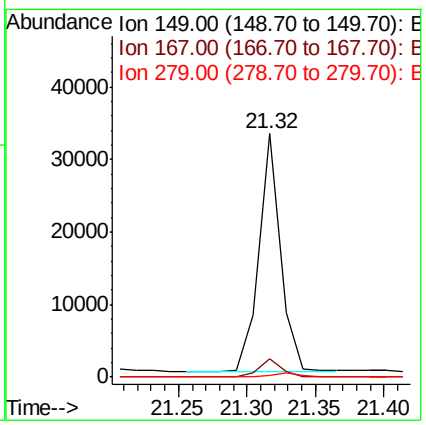


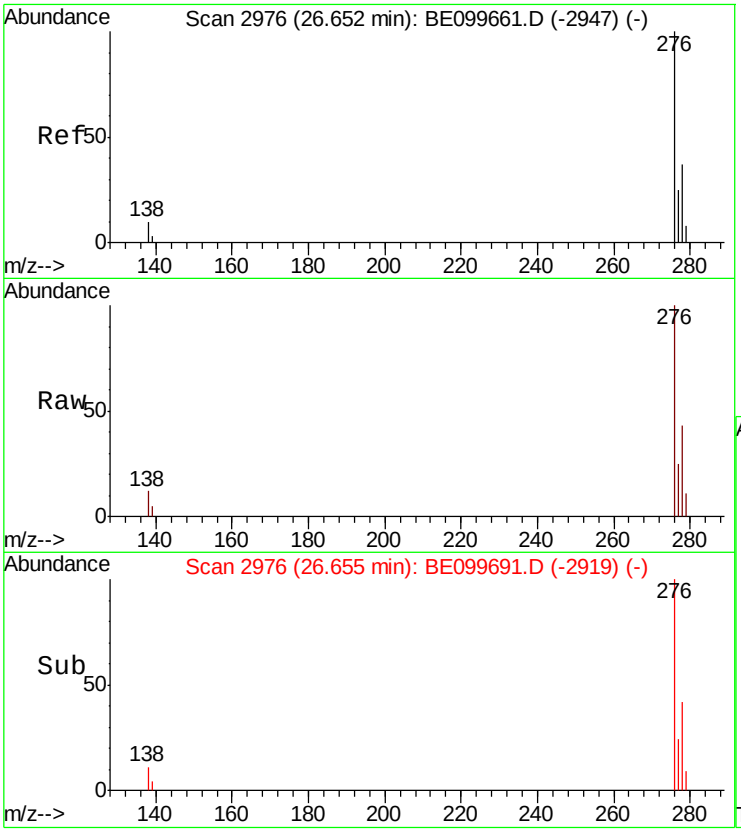


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.512 ng
RT: 21.32 min Scan# 1625
Delta R.T. -0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:149 Resp: 35885

Ion	Ratio	Lower	Upper
149	100		
167	7.4	6.2	9.4
279	1.5	1.2	1.8



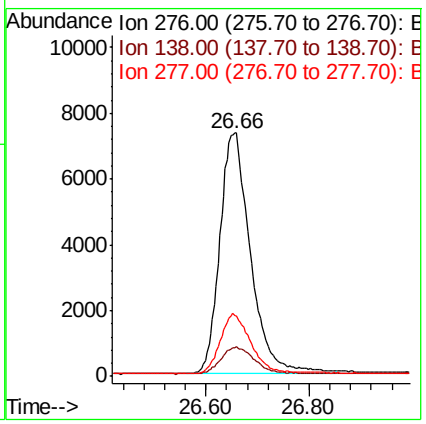


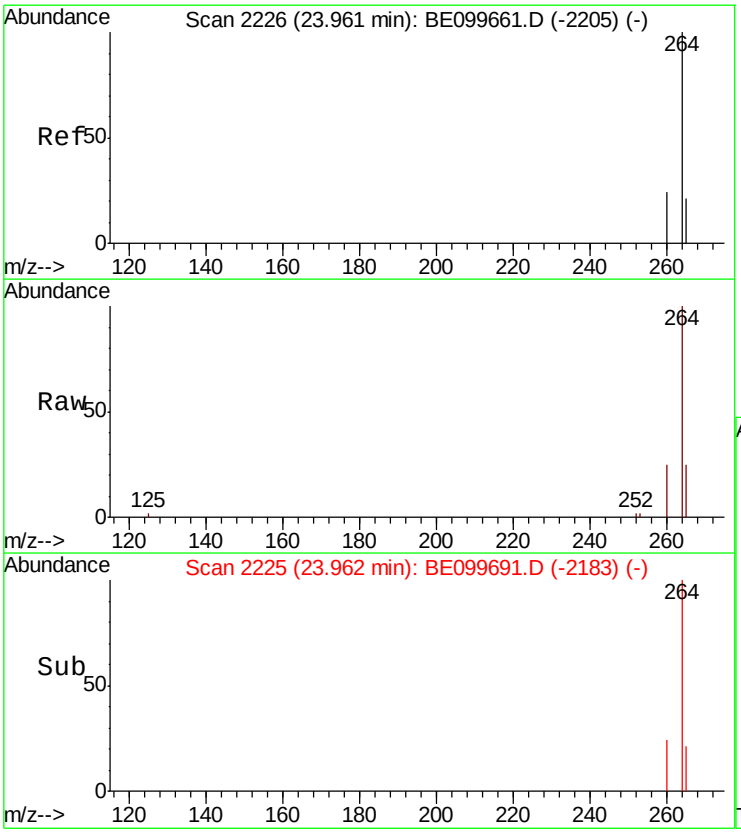
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.386 ng
RT: 26.66 min Scan# 2976
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 30326

Ion	Ratio	Lower	Upper
276	100		
138	11.8	9.6	14.4
277	24.7	19.2	28.8

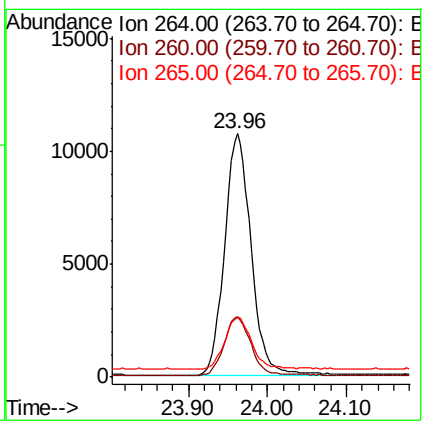


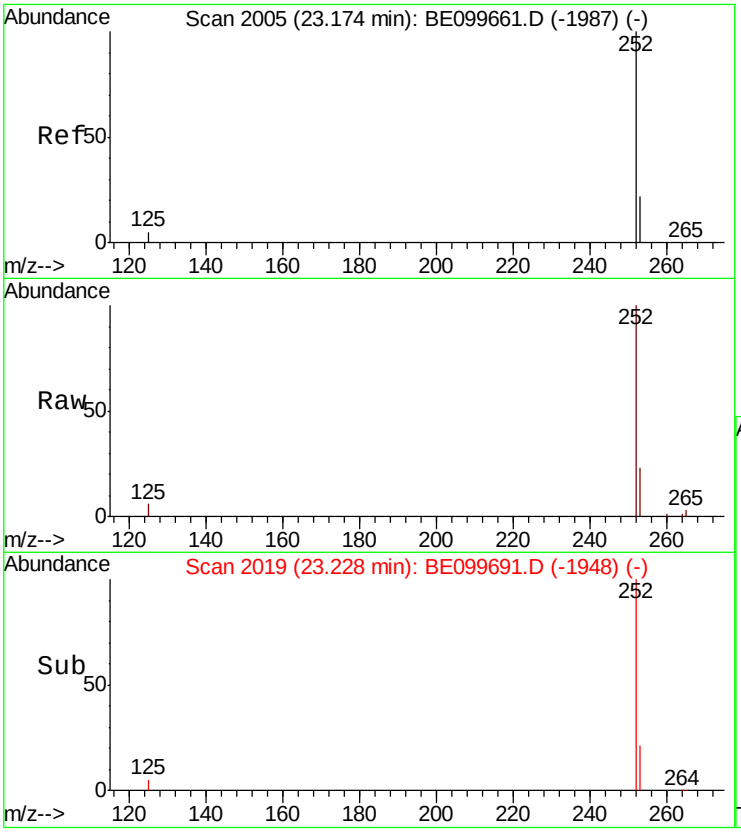


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.96 min Scan# 2225
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:264 Resp: 25035

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.6	29.4
265	24.5	19.1	28.7



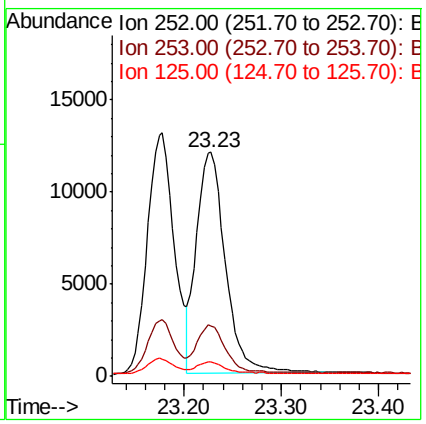


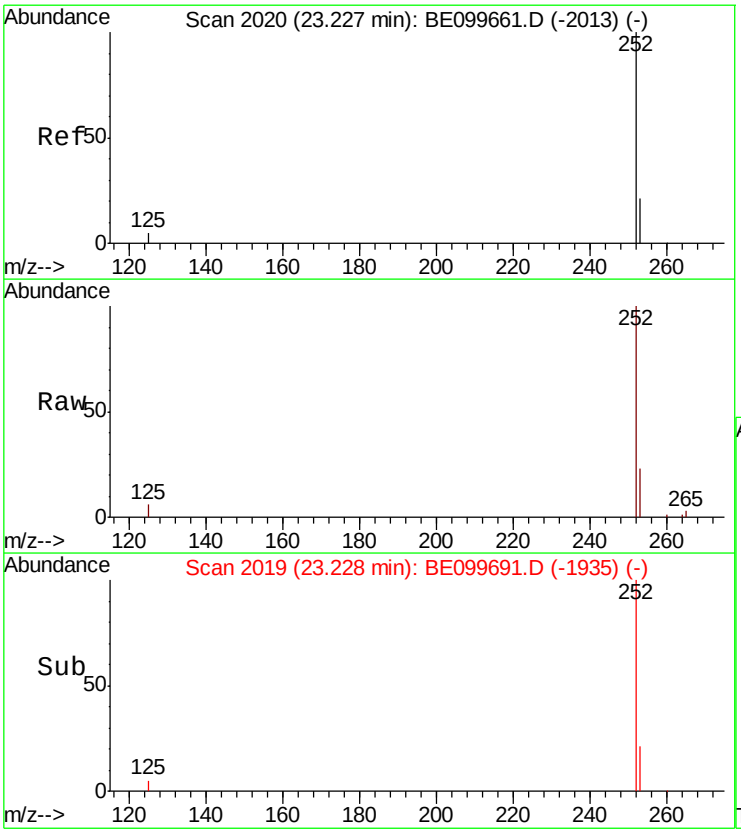
#35
Benzo(b)fluoranthene
Concen: 0.361 ng
RT: 23.23 min Scan# 2019
Delta R.T. 0.05 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 24767

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	6.2	4.5	6.7

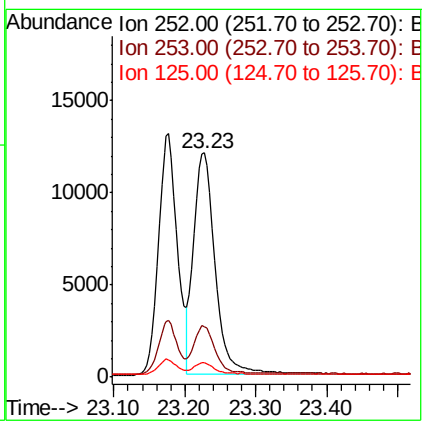


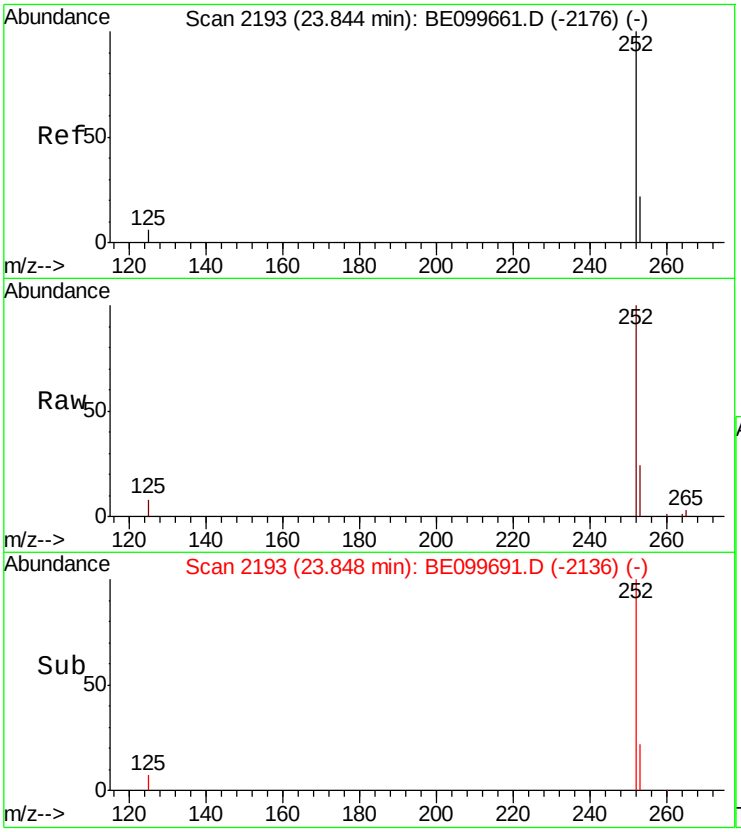


#36
Benzo(k)fluoranthene
Concen: 0.354 ng
RT: 23.23 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:252 Resp: 25309

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	6.2	4.6	6.8



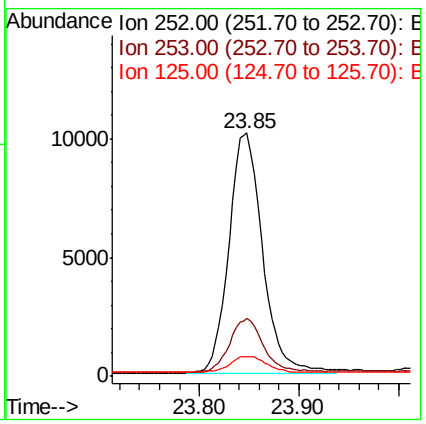


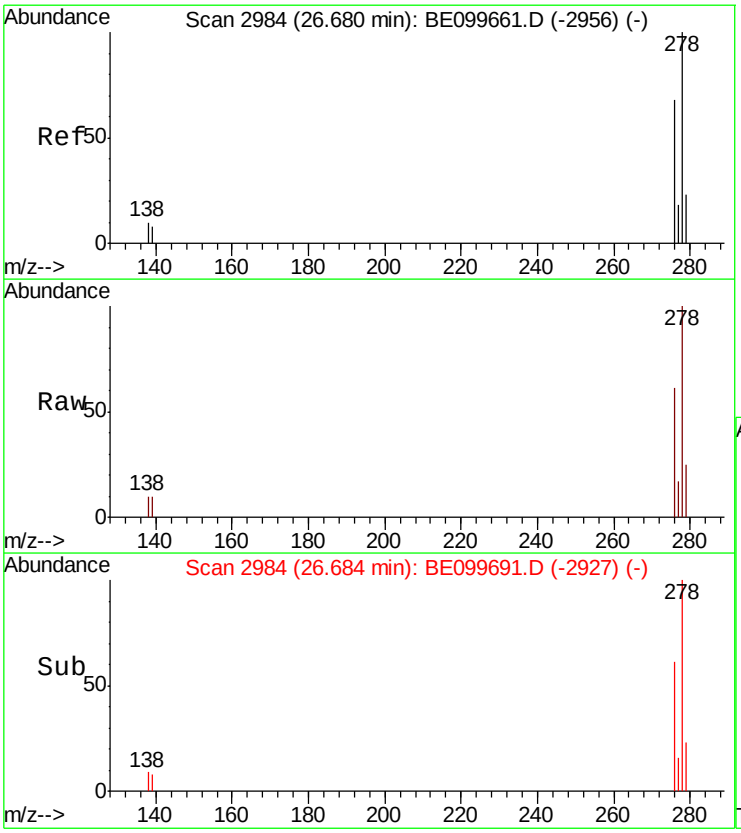
#37
Benzo(a)pyrene
Concen: 0.360 ng
RT: 23.85 min Scan# 2193
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 23760

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	8.3	5.4	8.0#

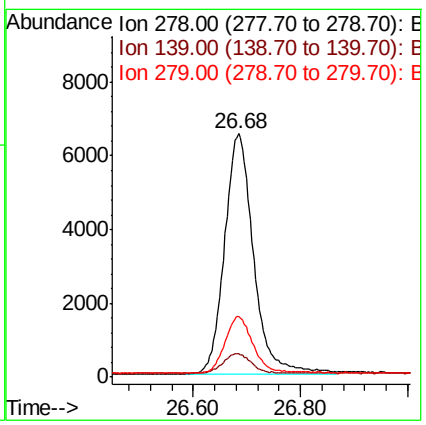


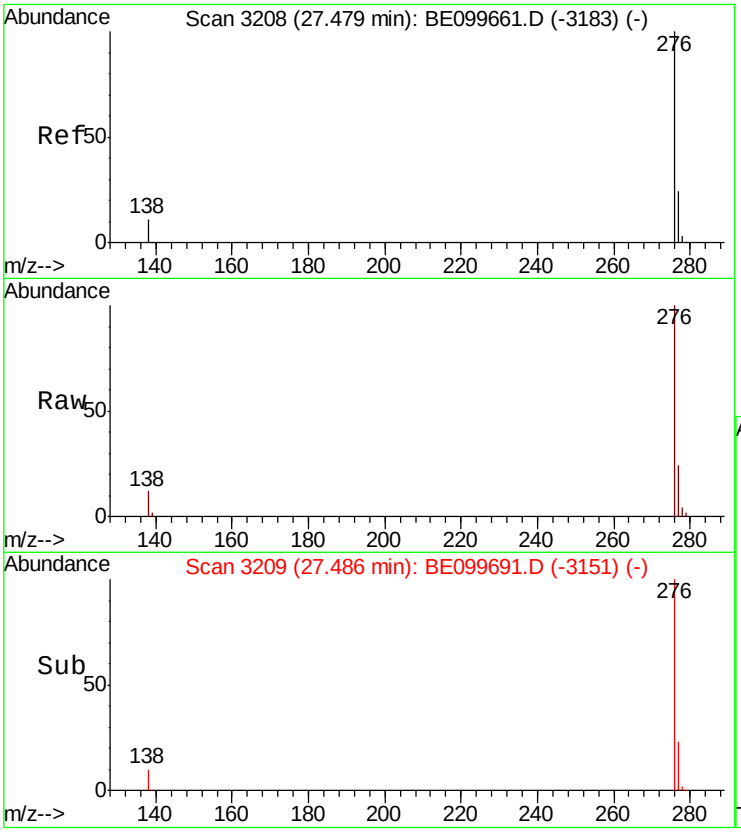


#38
Dibenzo(a,h)anthracene
Concen: 0.355 ng
RT: 26.68 min Scan# 2984
Delta R.T. 0.00 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Tgt Ion:278 Resp: 24627

Ion	Ratio	Lower	Upper
278	100		
139	9.5	6.9	10.3
279	24.7	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.353 ng
RT: 27.49 min Scan# 3209
Delta R.T. 0.01 min
Lab File: BE099691.D
Acq: 21 May 2019 16:21

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 24737

Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.8	29.6
138	11.6	9.2	13.8