Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
Data File : BE099545.D
Acq On : 4 May 2019 00:20
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : SSTDCCC0.4EC

Quant Time: May 04 01:05:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	2402	0.40	ng		0.00
7) Naphthalene-d8	10.60	136	9336	0.40	ng		0.00
13) Acenaphthene-d10	14.46	164	7249	0.40	ng		0.00
19) Phenanthrene-d10	17.20	188	19970	0.40	ng		0.01
27) Chrysene-d12	21.38	240	22773	0.40	ng		0.01
34) Perylene-d12	23.89	264	27407	0.40	ng		0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.39	112	2926	0.44	ng		0.00
5) Phenol-d6	6.97	99	4306	0.49	ng		0.00
8) Nitrobenzene-d5	8.96	82	3992	0.46	ng		0.00
11) 2-Methylnaphthalene-d10	12.21	152	6976	0.41	ng		0.01
14) 2,4,6-Tribromophenol	15.94	330	2162	0.47	ng		0.00
15) 2-Fluorobiphenyl	13.09	172	11113	0.40	ng		0.00
25) Fluoranthene-d10	19.23	212	100844	0.37	ng		0.01
29) Terphenyl-d14	19.82	244	21776	0.52	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.31	88	1146	0.347	ng		95
3) n-Nitrosodimethylamine	3.63	42	873	0.438	ng	#	91
6) bis(2-Chloroethyl)ether	7.24	93	3002	0.394	ng		99
9) Naphthalene	10.65	128	43035	0.423	ng		100
10) Hexachlorobutadiene	10.93	225	3017	0.426	ng		99
12) 2-Methylnaphthalene	12.28	142	7433	0.420	ng		93
16) Acenaphthylene	14.18	152	14400	0.406	ng		98
17) Acenaphthene	14.53	154	8188	0.404	ng		99
18) Fluorene	15.50	166	11913	0.399	ng		100
20) 4-Bromophenyl-phenylether	16.38	248	4937	0.425	ng	#	90
21) Hexachlorobenzene	16.51	284	4803	0.433	ng		98
22) Pentachlorophenol	16.85	266	2363	0.570	ng		98
23) Phenanthrene	17.24	178	20707	0.402	ng		99
24) Anthracene	17.34	178	20923	0.426	ng		99
26) Fluoranthene	19.26	202	29650	0.384	ng		99
28) Pyrene	19.62	202	30846	0.520	ng		100
30) Benzo(a)anthracene	21.35	228	34358	0.474	ng		96
31) Chrysene	21.42	228	32653	0.460	ng		96
32) Bis(2-ethylhexyl)phthalate	21.27	149	56475	0.480	ng	#	98
33) Indeno(1,2,3-cd)pyrene	26.54	276	33628	0.401	ng		97
35) Benzo(b)fluoranthene	23.11	252	32185	0.407	ng	#	90
36) Benzo(k)fluoranthene	23.16	252	32009	0.420	ng	#	94
37) Benzo(a)pyrene	23.77	252	31064	0.416	ng	#	86
38) Dibenzo(a,h)anthracene	26.57	278	28107	0.368	ng	#	90
39) Benzo(g,h,i)perylene	27.37	276	23249	0.304	ng	#	90

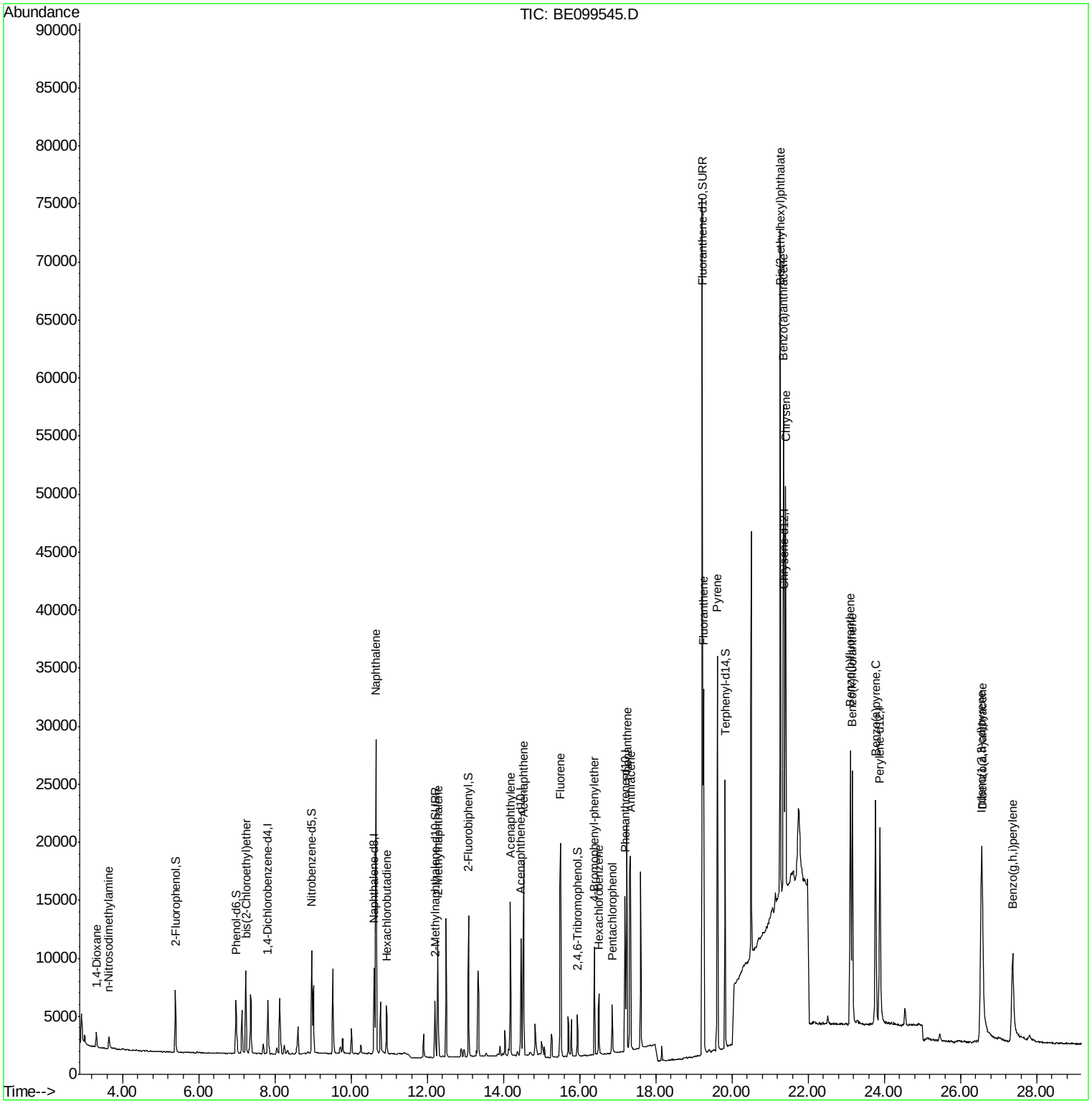
(#) = qualifier out of range (m) = manual integration (+) = signals summed

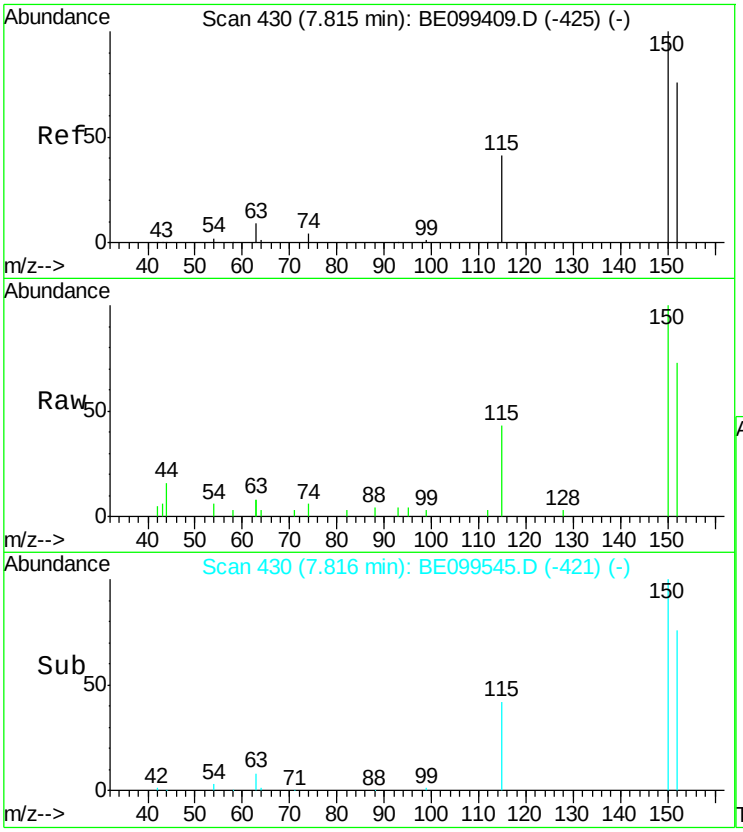
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_E\DATA\BE050319\
Data File : BE099545.D
Acq On : 4 May 2019 00:20
Operator : JU/SJ
Sample : SSTDCCC0.4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Quant Time: May 04 01:05:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_E\METHODS\8270-SIM-BE042919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 29 18:36:43 2019
Response via : Initial Calibration



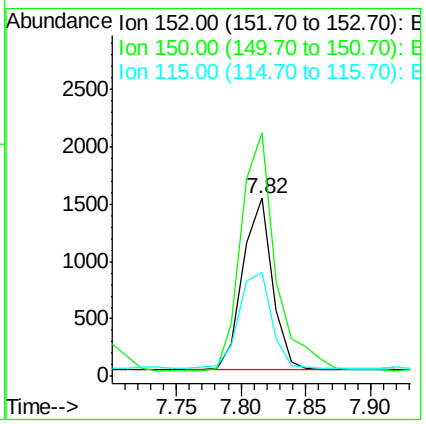


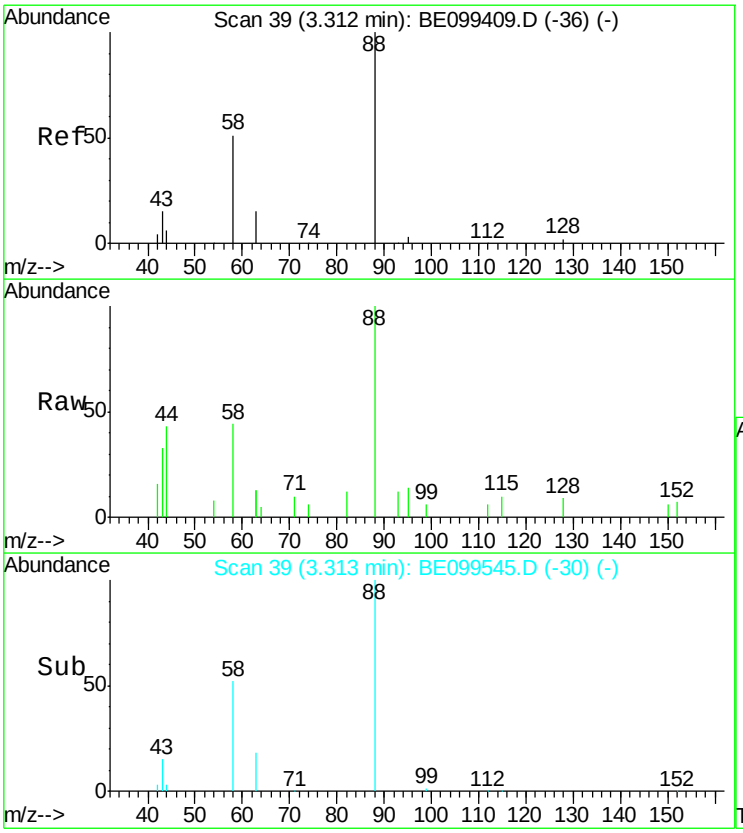
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.82 min Scan# 430
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 2402

Ion	Ratio	Lower	Upper
152	100		
150	136.7	104.8	157.2
115	58.2	46.6	69.8

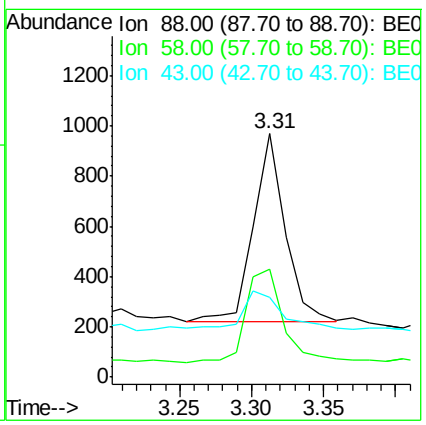


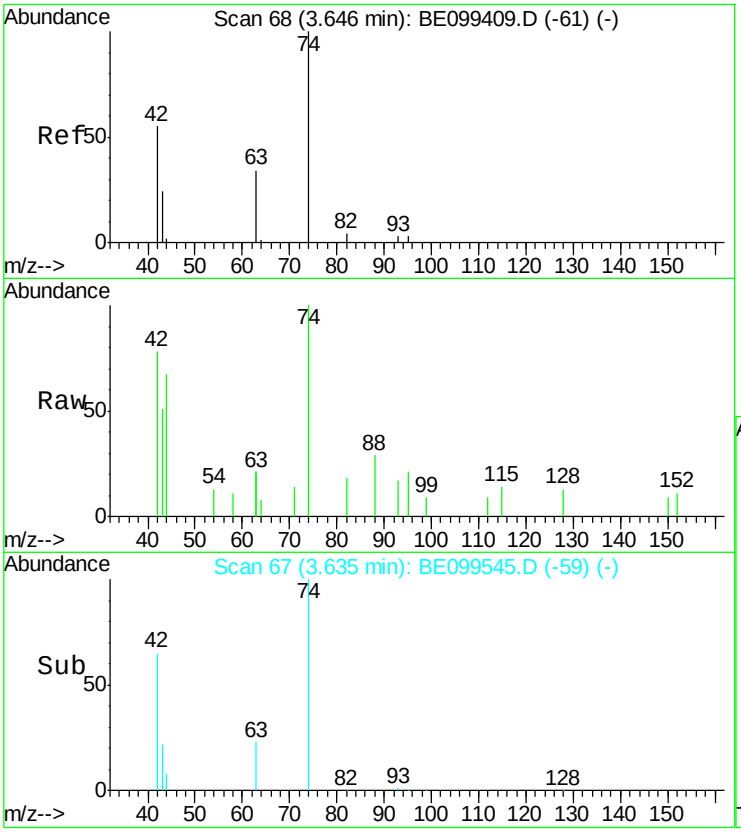


#2
1,4-Dioxane
Concen: 0.347 ng
RT: 3.31 min Scan# 39
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion: 88 Resp: 1146

Ion	Ratio	Lower	Upper
88	100		
58	58.6	51.0	76.6
43	26.2	20.6	30.8



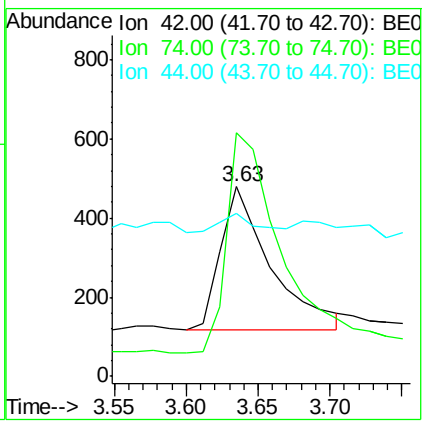


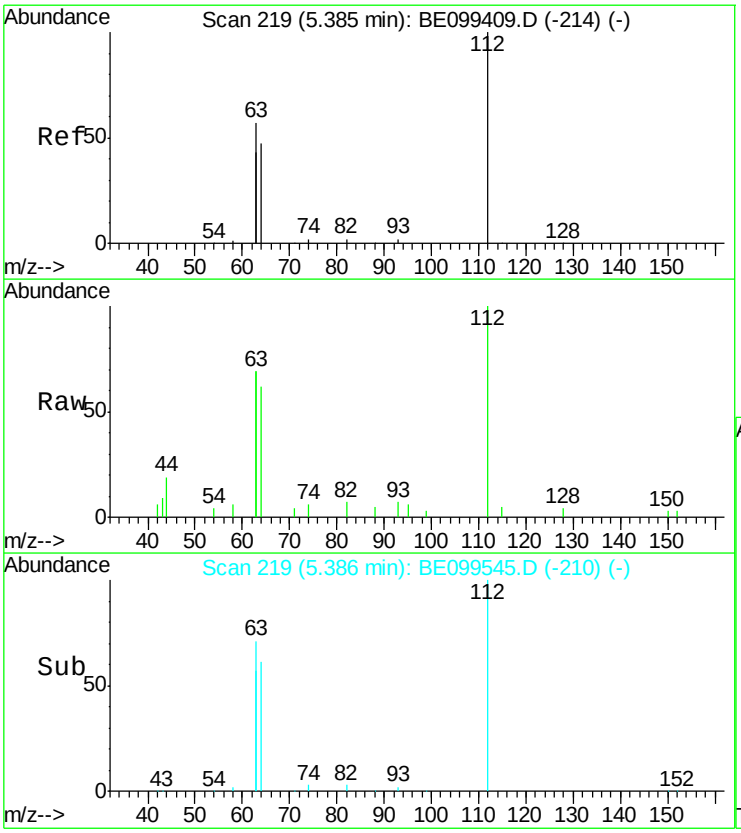
#3
n-Nitrosodimethylamine
Concen: 0.438 ng
RT: 3.63 min Scan# 67
Delta R.T. -0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 42 Resp: 873

Ion	Ratio	Lower	Upper
42	100		
74	164.6	141.6	212.4
44	8.4	0.0	0.0#

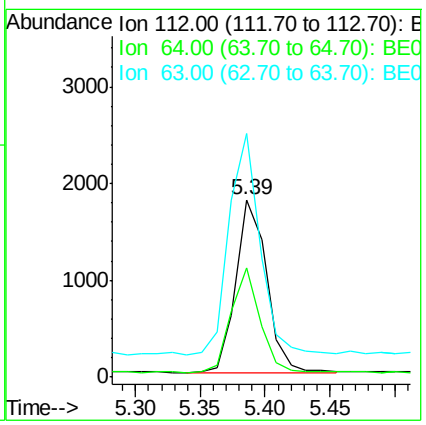


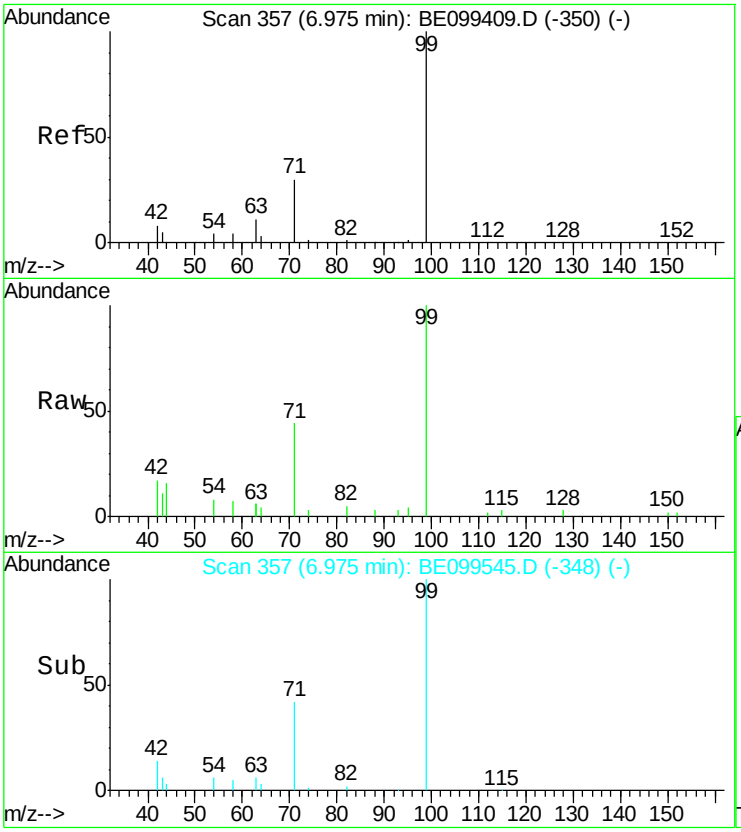


#4
2-Fluorophenol
Concen: 0.441 ng
RT: 5.39 min Scan# 219
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:112 Resp: 2926

Ion	Ratio	Lower	Upper
112	100		
64	57.3	47.4	71.0
63	128.0	104.3	156.5



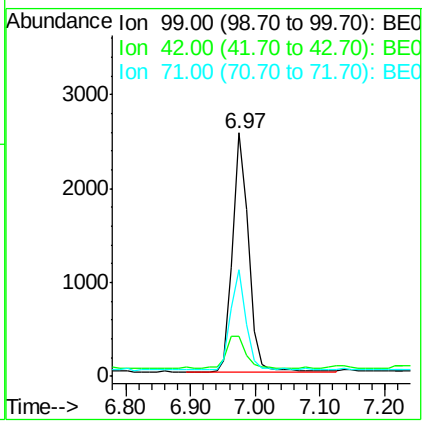


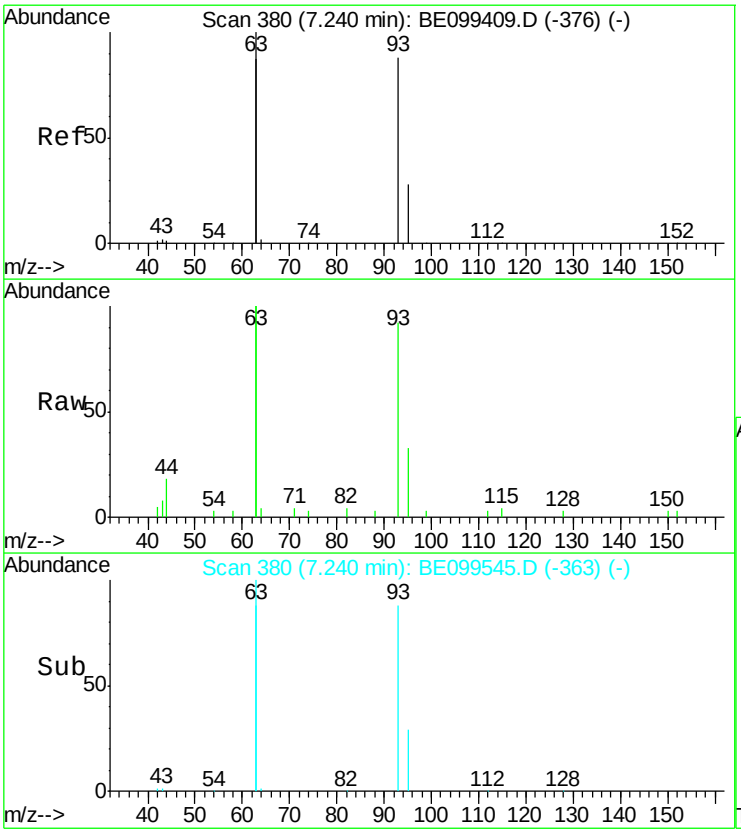
#5
Phenol-d6
Concen: 0.487 ng
RT: 6.97 min Scan# 357
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion: 99 Resp: 4306

Ion	Ratio	Lower	Upper
99	100		
42	17.2	14.9	22.3
71	40.0	33.0	49.6

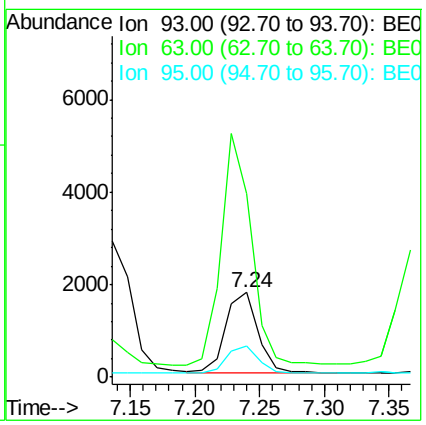


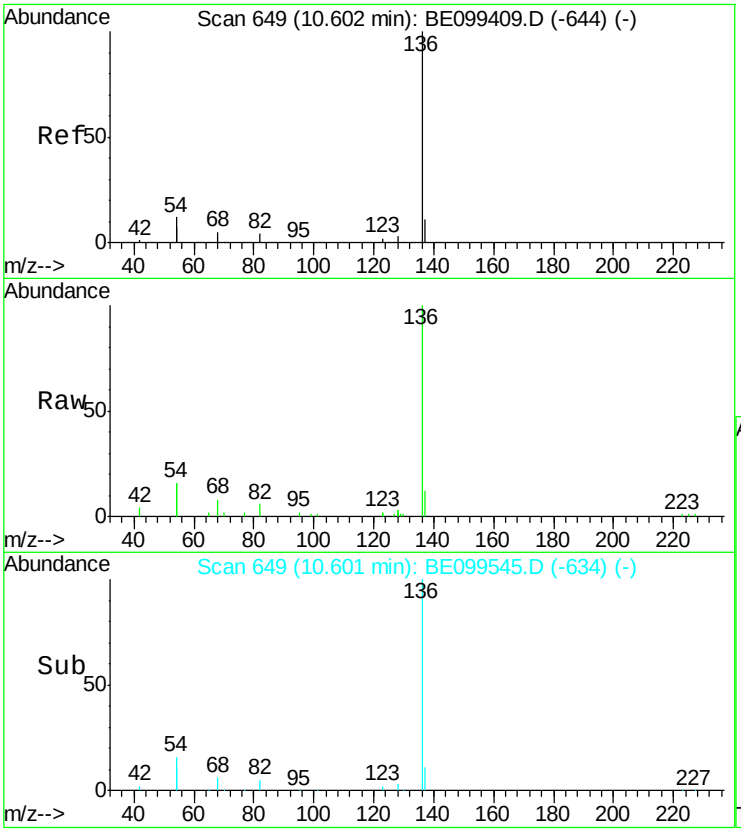


#6
bis(2-Chloroethyl)ether
Concen: 0.394 ng
RT: 7.24 min Scan# 380
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion: 93 Resp: 3002

Ion	Ratio	Lower	Upper
93	100		
63	269.1	215.6	323.4
95	34.9	26.2	39.2



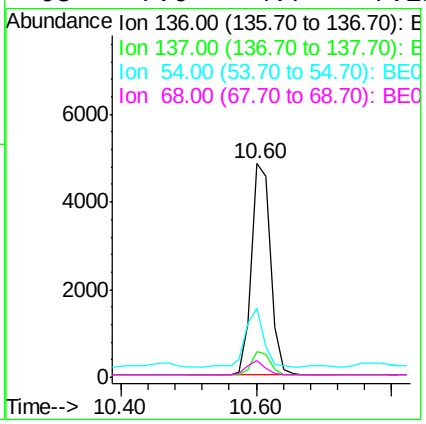


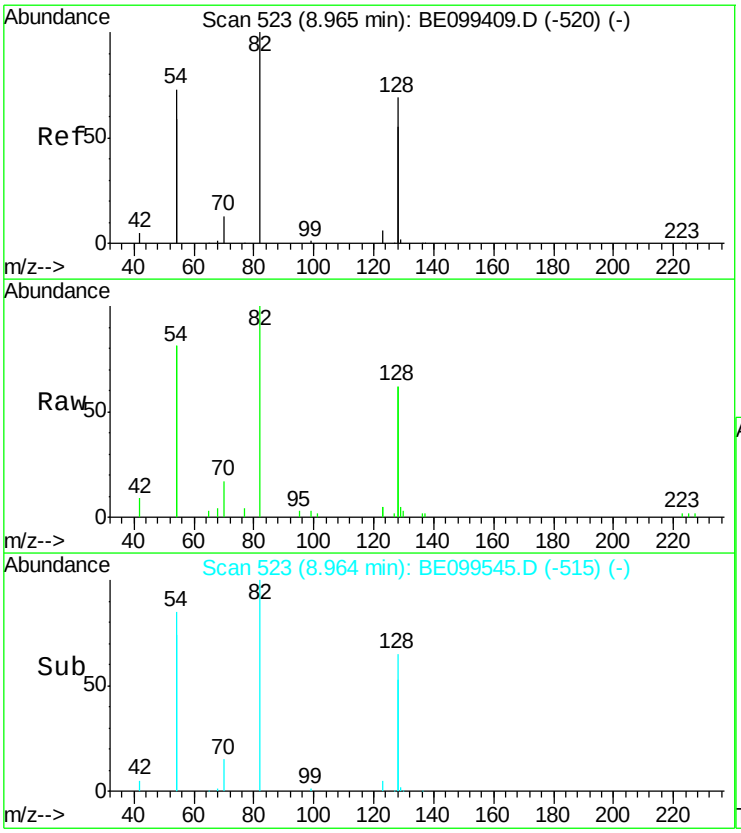
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:136 Resp: 9336

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.8	14.8
54	32.4	18.5	27.7#
68	7.6	4.7	7.1#

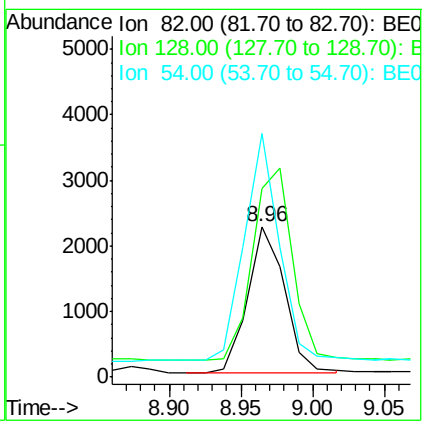


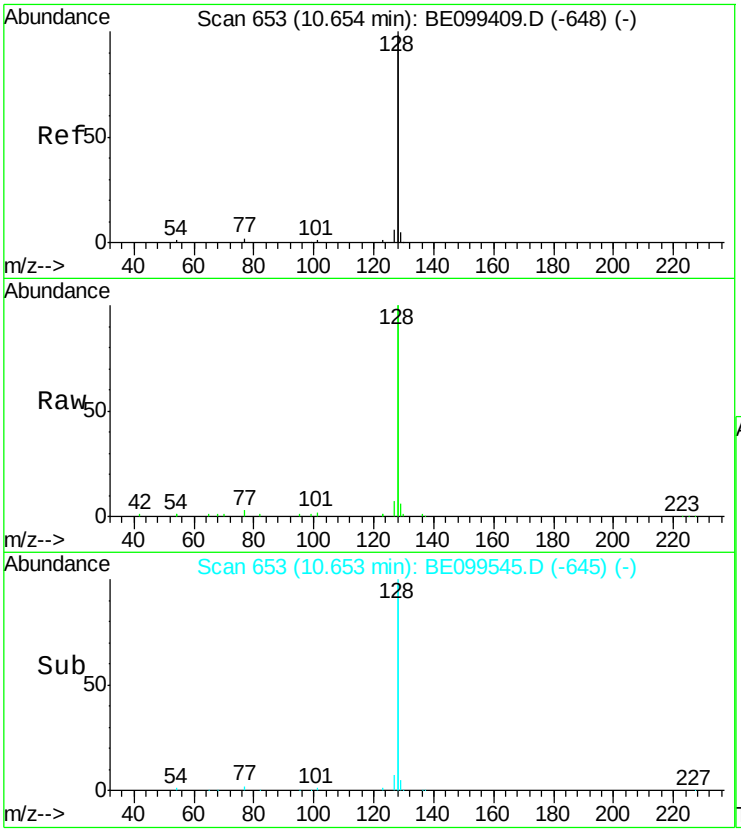


#8
Nitrobenzene-d5
Concen: 0.456 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion: 82 Resp: 3992

Ion	Ratio	Lower	Upper
82	100		
128	124.8	107.0	160.4
54	161.6	113.1	169.7



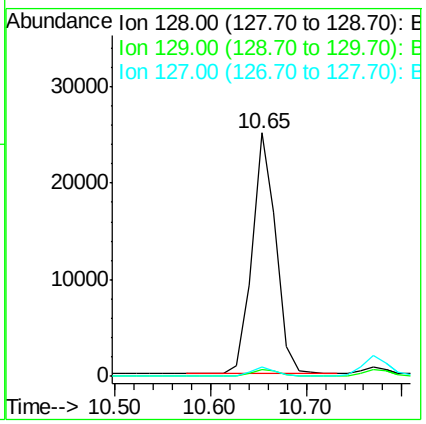


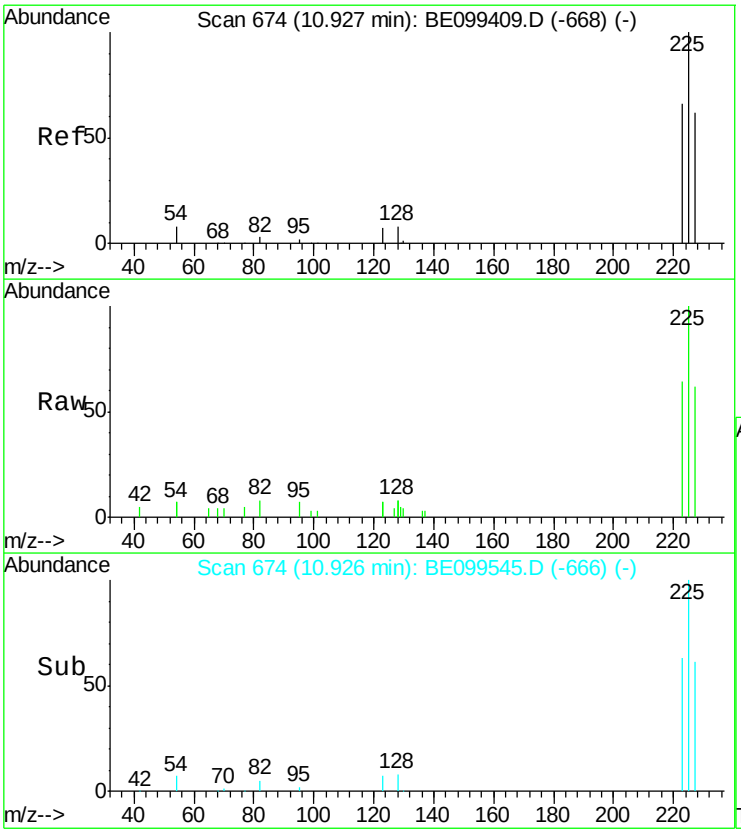
#9
Naphthalene
Concen: 0.423 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:128 Resp: 43035

Ion	Ratio	Lower	Upper
128	100		
129	2.9	2.4	3.6
127	3.6	2.8	4.2

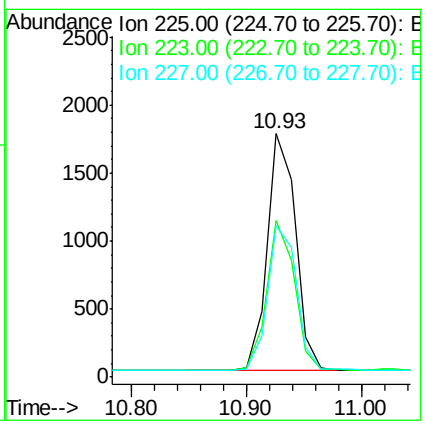


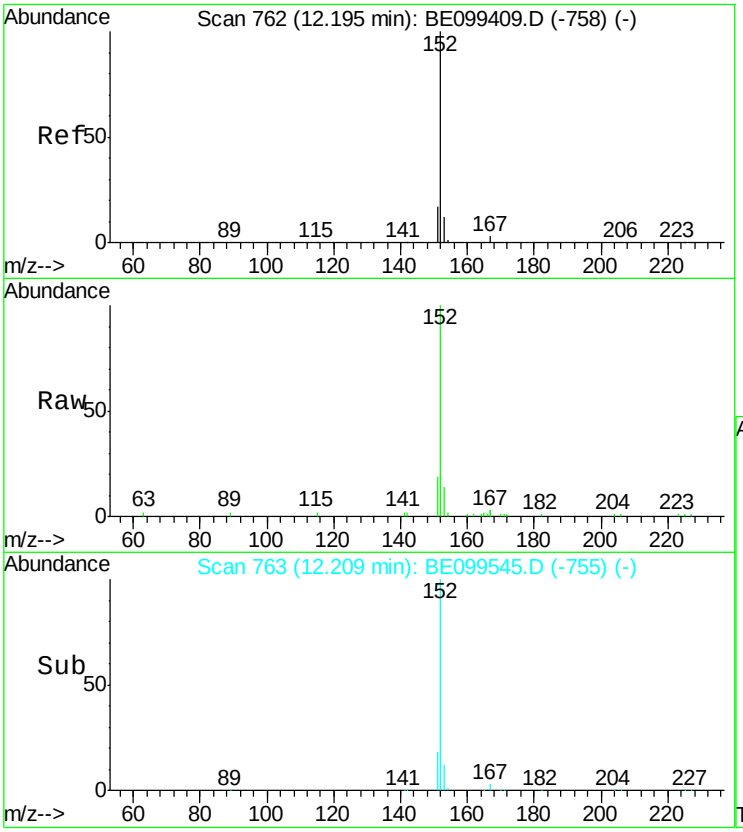


#10
Hexachlorobutadiene
Concen: 0.426 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:225 Resp: 3017

Ion	Ratio	Lower	Upper
225	100		
223	63.0	51.0	76.6
227	62.7	50.9	76.3



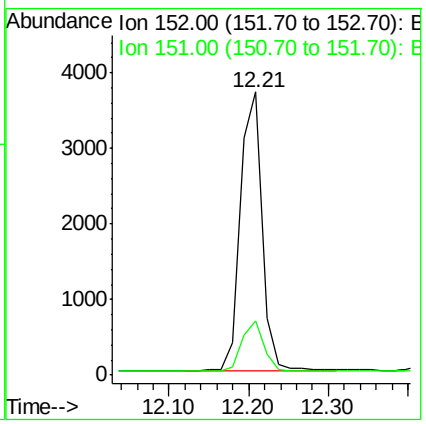


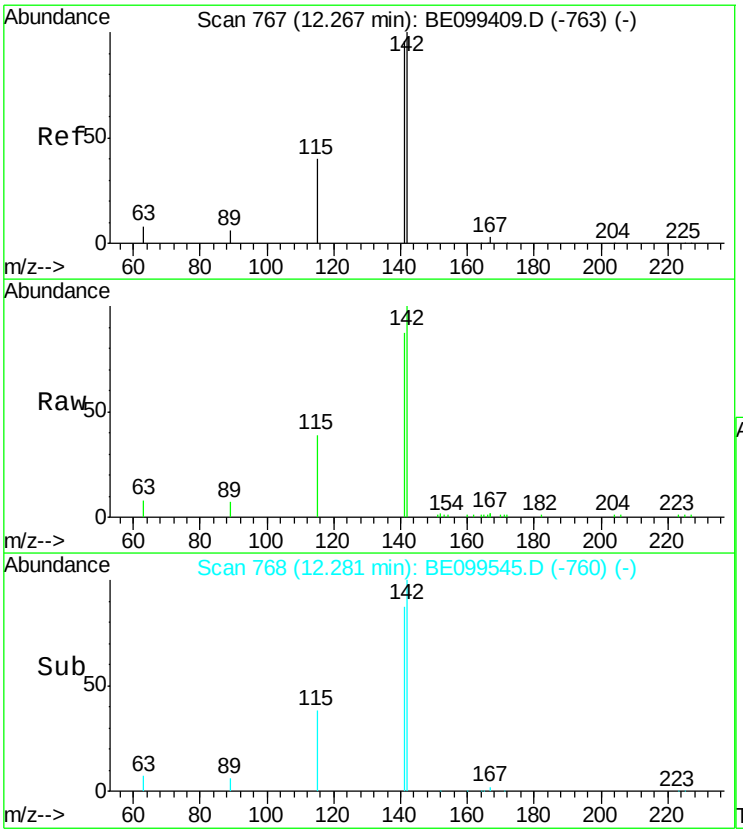
#11
2-Methylnaphthalene-d10
Concen: 0.415 ng
RT: 12.21 min Scan# 763
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:152 Resp: 6976

Ion	Ratio	Lower	Upper
152	100		
151	18.6	15.5	23.3

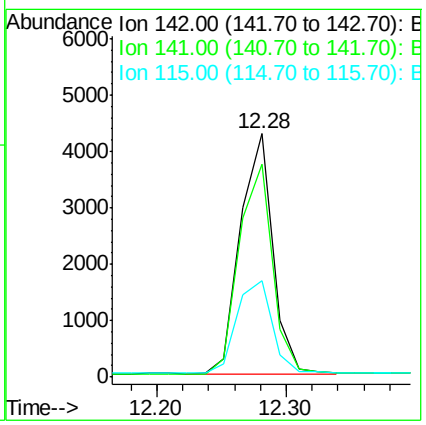


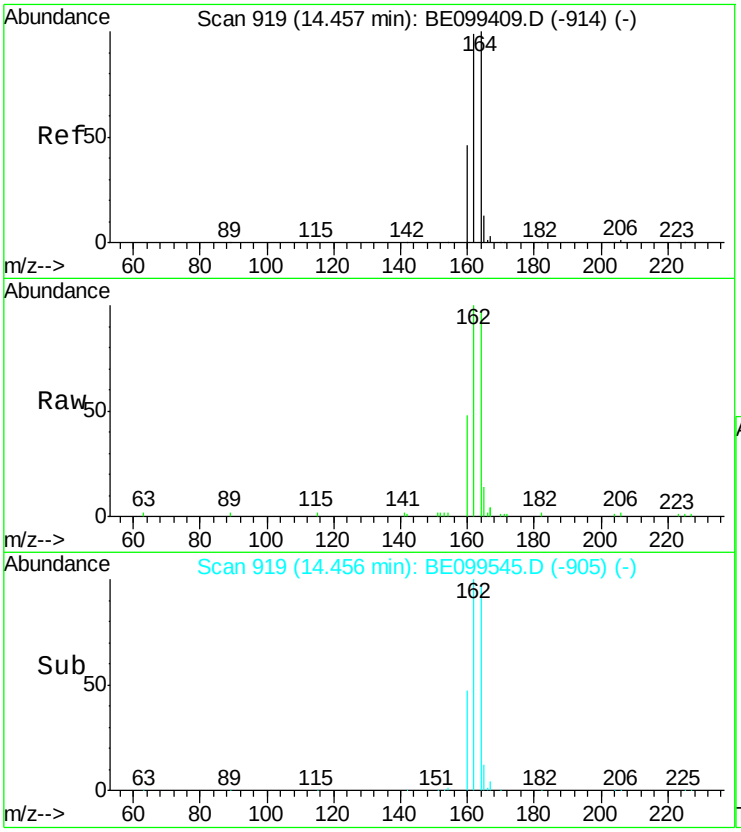


#12
2-Methylnaphthalene
Concen: 0.420 ng
RT: 12.28 min Scan# 768
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:142 Resp: 7433

Ion	Ratio	Lower	Upper
142	100		
141	87.3	77.0	115.4
115	39.4	33.4	50.0



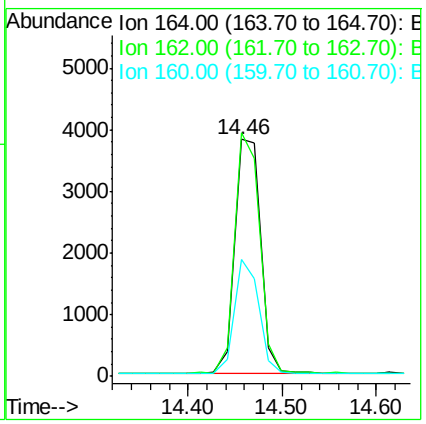


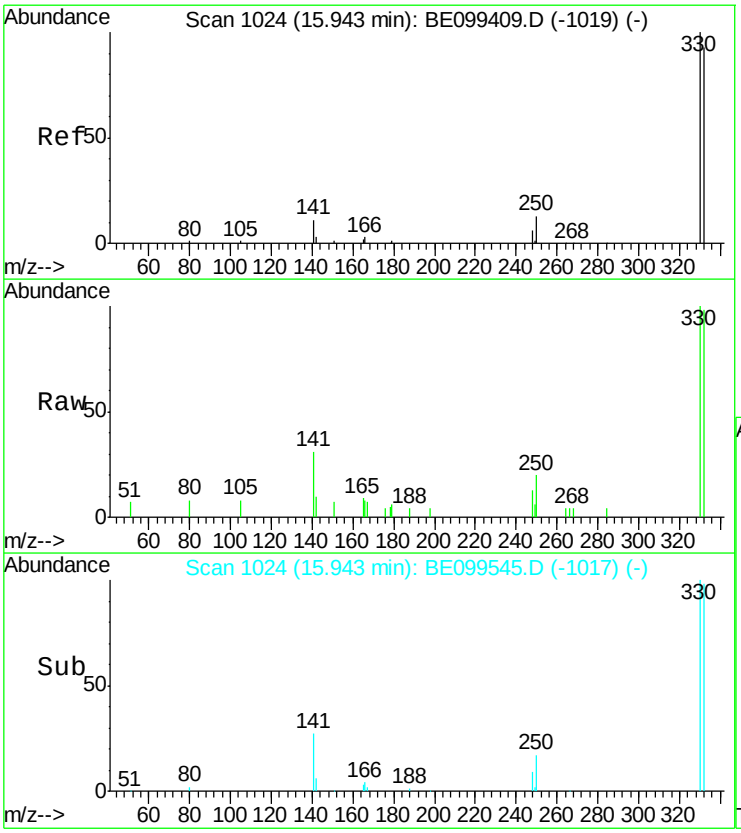
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.46 min Scan# 919
Delta R.T. -0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:164 Resp: 7249

Ion	Ratio	Lower	Upper
164	100		
162	102.7	79.0	118.4
160	49.3	37.0	55.4

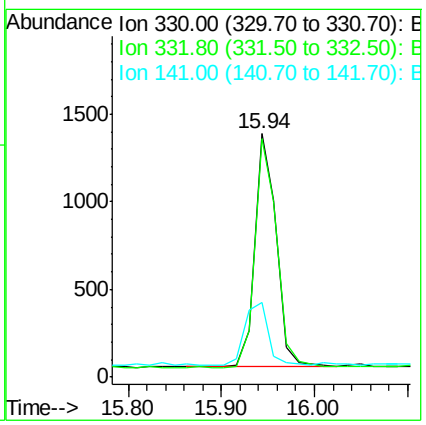


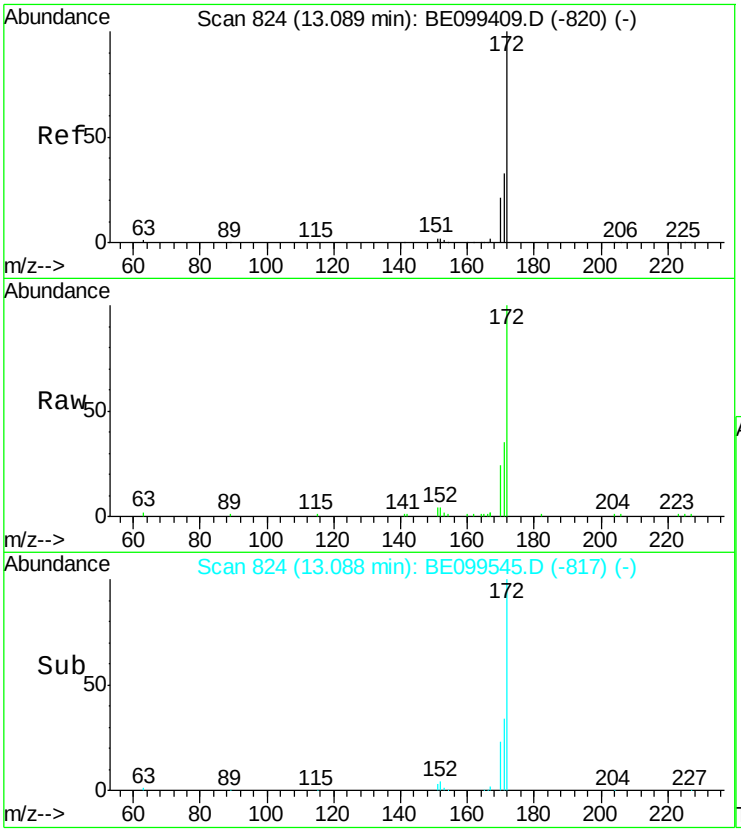


#14
2,4,6-Tribromophenol
Concen: 0.473 ng
RT: 15.94 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:330 Resp: 2162

Ion	Ratio	Lower	Upper
330	100		
332	100.7	71.5	107.3
141	29.6	24.0	36.0



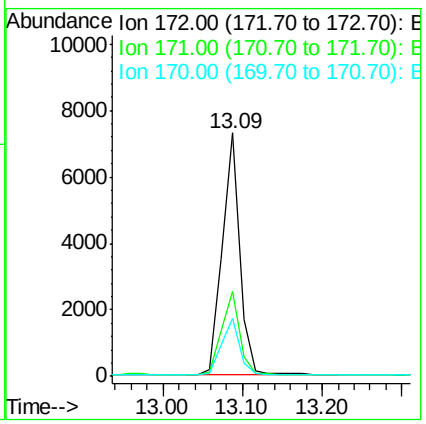


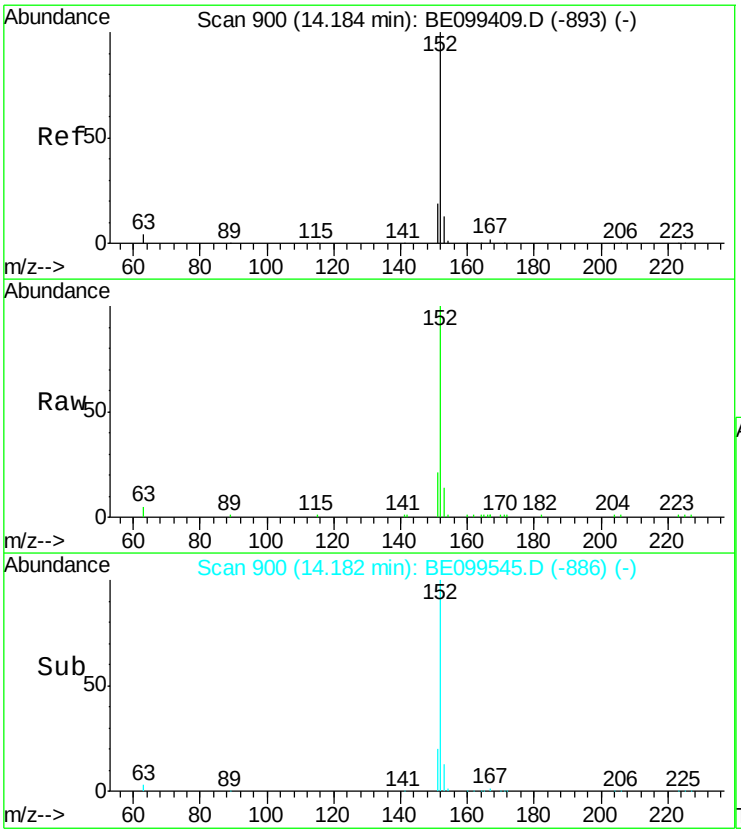
#15
2-Fluorobiphenyl
Concen: 0.402 ng
RT: 13.09 min Scan# 824
Delta R.T. -0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:172 Resp: 11113

Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.6	39.8
170	23.9	17.0	25.6

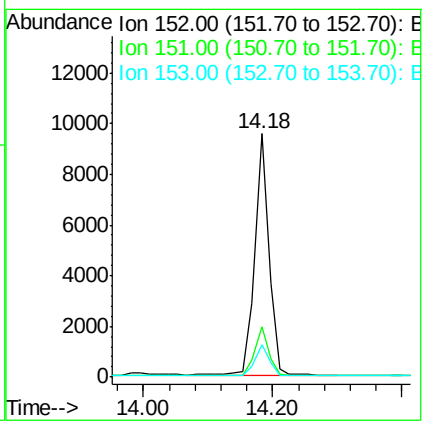


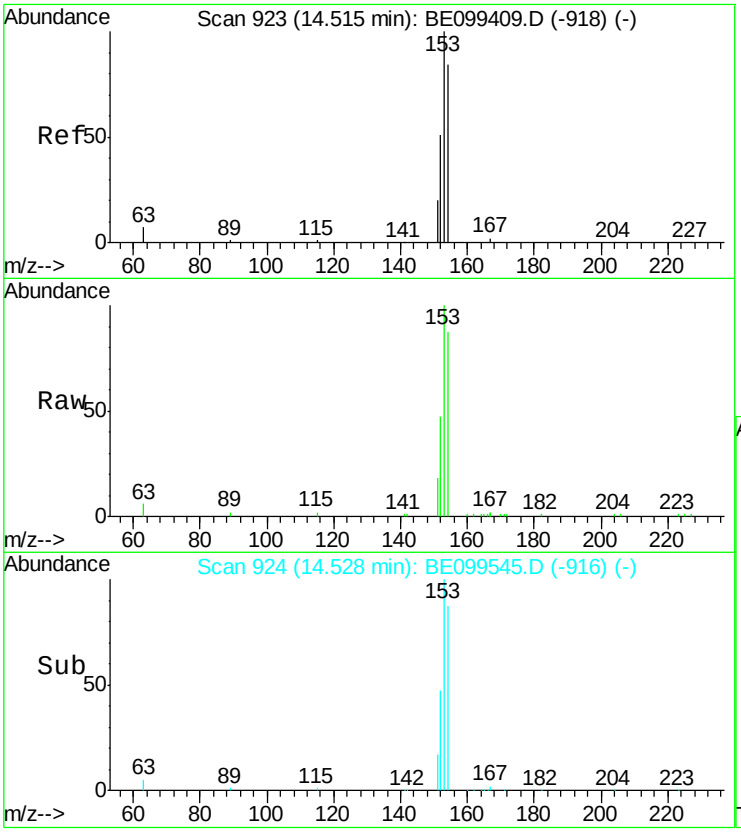


#16
Acenaphthylene
Concen: 0.406 ng
RT: 14.18 min Scan# 900
Delta R.T. -0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:152 Resp: 14400

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.4	23.2
153	13.1	9.8	14.6



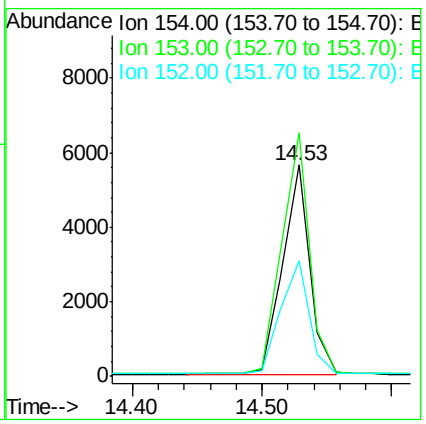


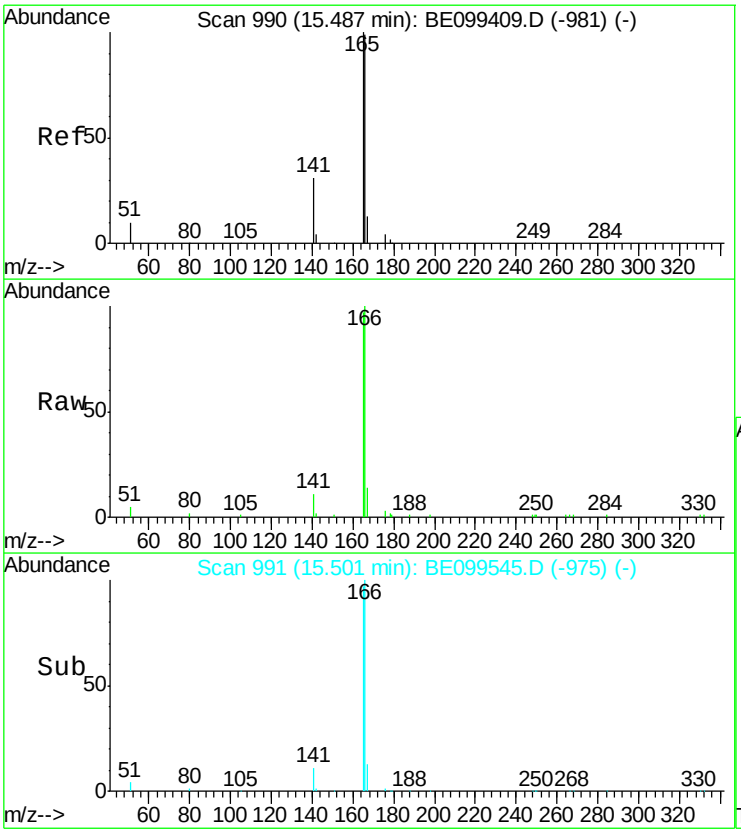
#17
Acenaphthene
Concen: 0.404 ng
RT: 14.53 min Scan# 924
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:154 Resp: 8188

Ion	Ratio	Lower	Upper
154	100		
153	116.6	92.6	138.8
152	56.5	45.8	68.8

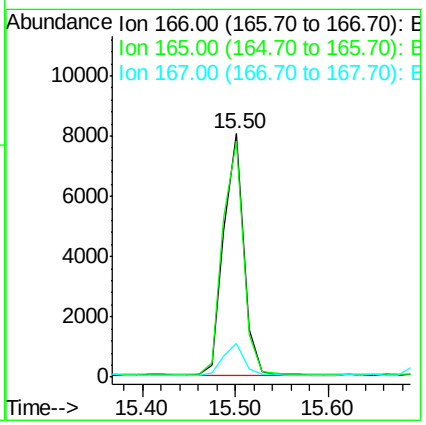


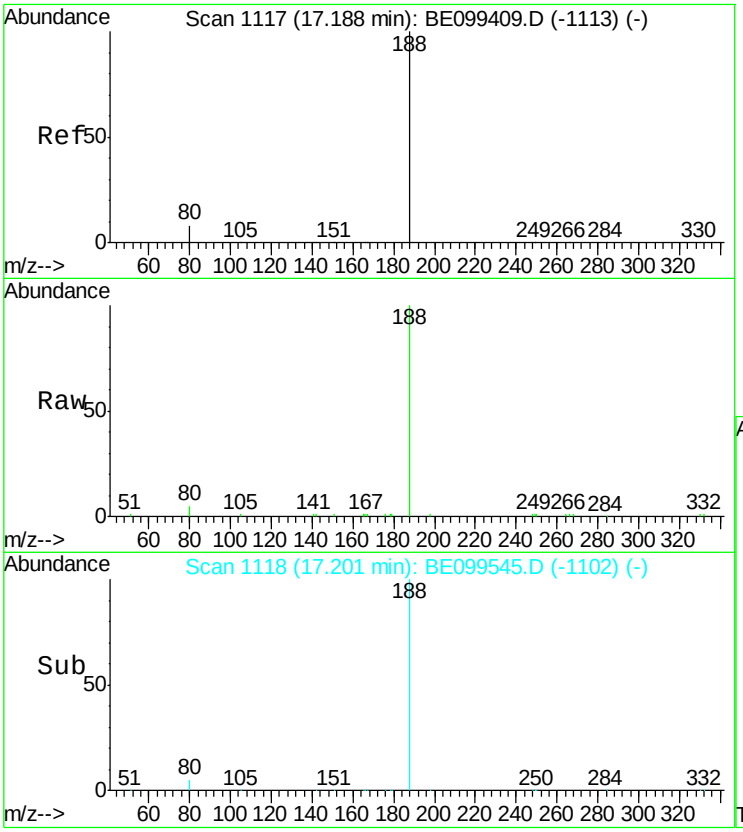


#18
Fluorene
Concen: 0.399 ng
RT: 15.50 min Scan# 991
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:166 Resp: 11913

Ion	Ratio	Lower	Upper
166	100		
165	100.6	80.3	120.5
167	13.1	10.7	16.1



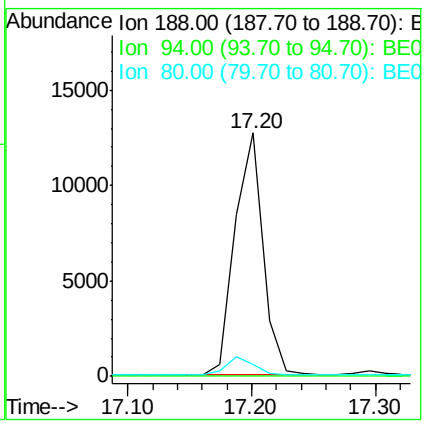


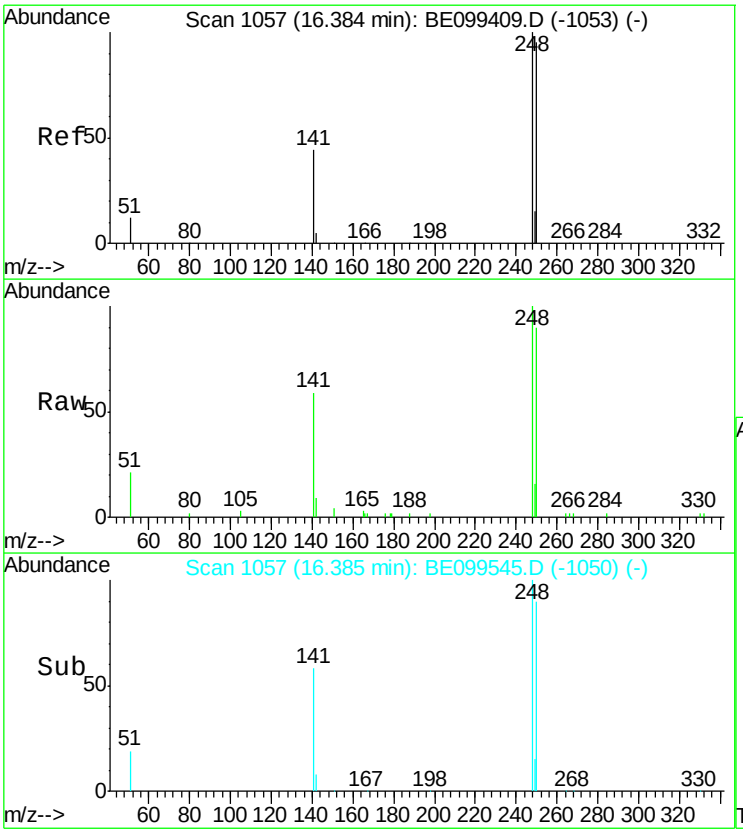
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.20 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:188 Resp: 19970

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.1	6.7	10.1#

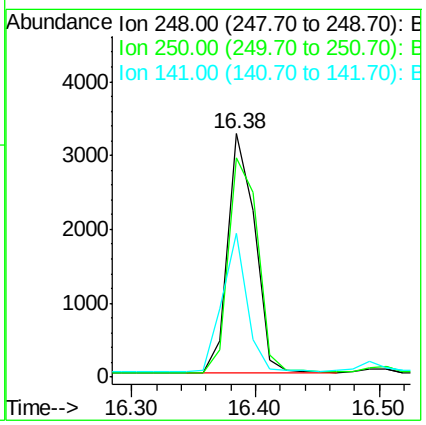


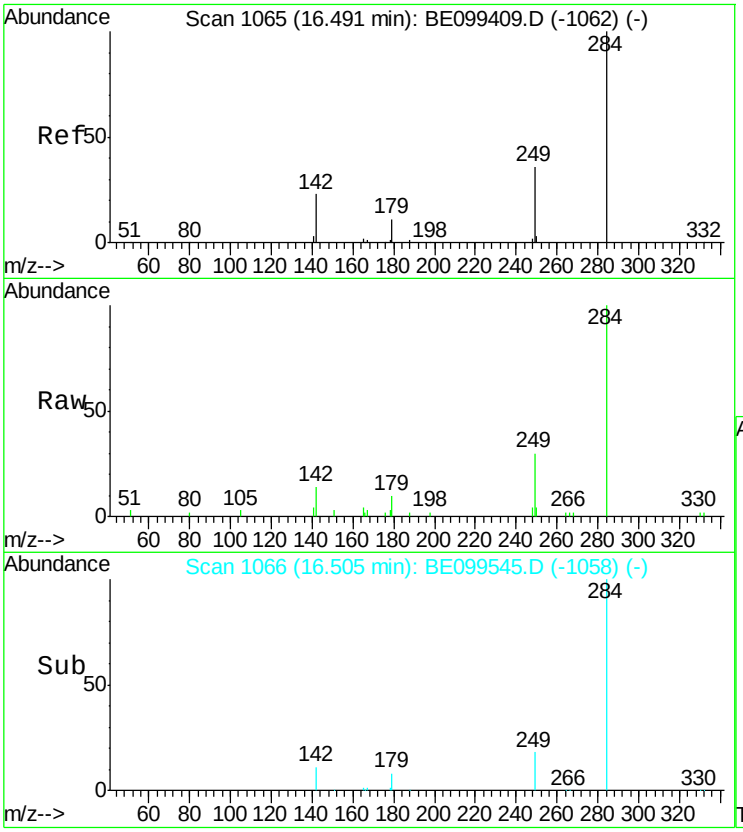


#20
4-Bromophenyl-phenylether
Concen: 0.425 ng
RT: 16.38 min Scan# 1057
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:248 Resp: 4937

Ion	Ratio	Lower	Upper
248	100		
250	90.1	75.8	113.8
141	59.0	35.7	53.5#



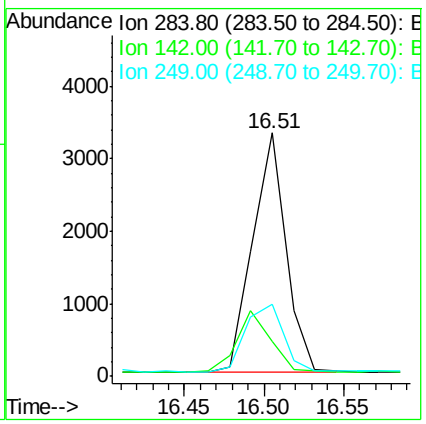


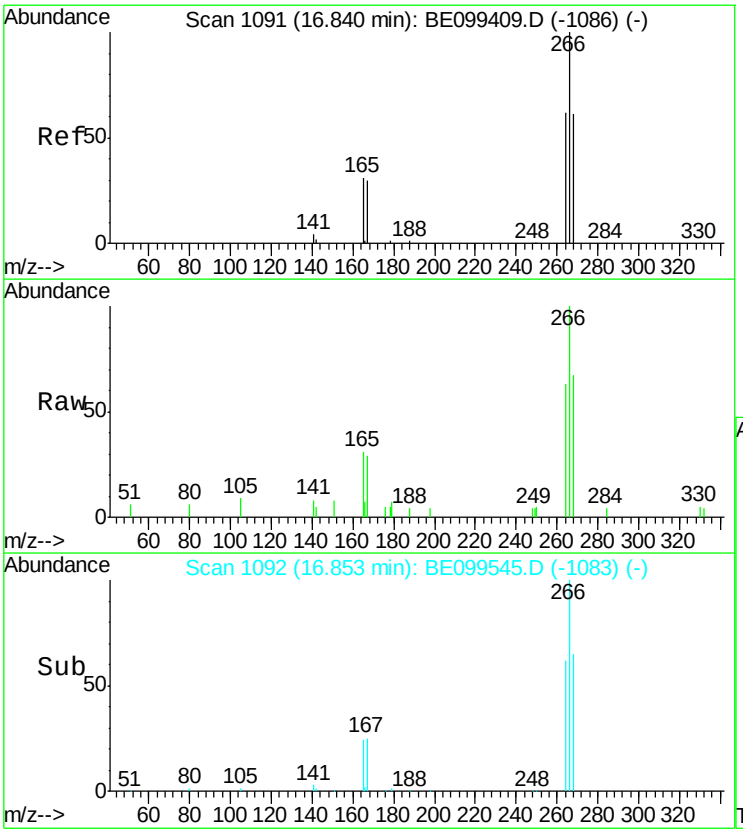
#21
Hexachlorobenzene
Concen: 0.433 ng
RT: 16.51 min Scan# 1066
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:284 Resp: 4803

Ion	Ratio	Lower	Upper
284	100		
142	26.1	21.0	31.6
249	31.8	26.7	40.1

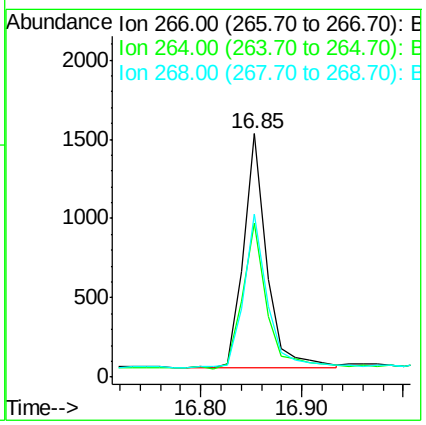


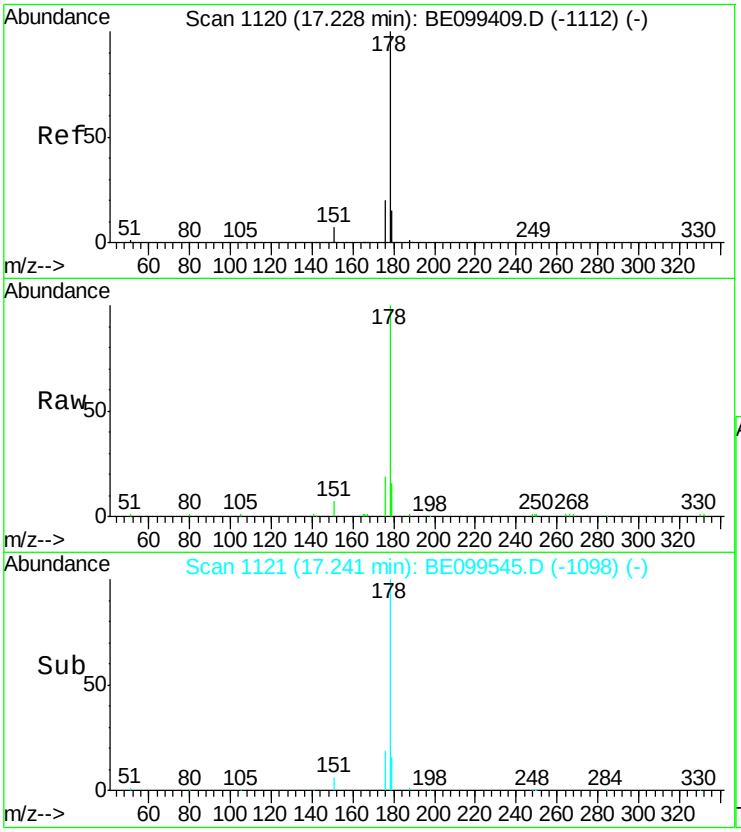


#22
Pentachlorophenol
Concen: 0.570 ng
RT: 16.85 min Scan# 1092
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:266 Resp: 2363

Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.8	76.2
268	66.7	50.5	75.7



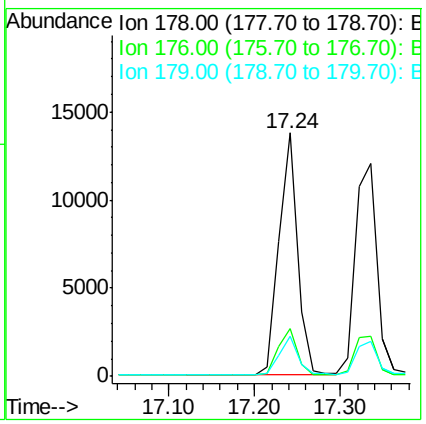


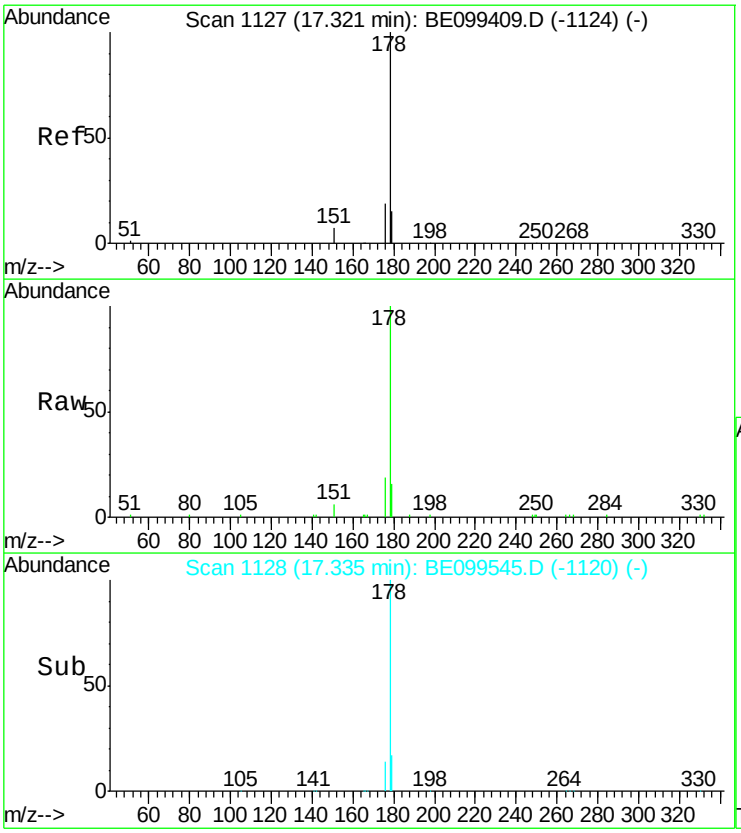
#23
Phenanthrene
Concen: 0.402 ng
RT: 17.24 min Scan# 1121
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:178 Resp: 20707

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.9	12.0	18.0

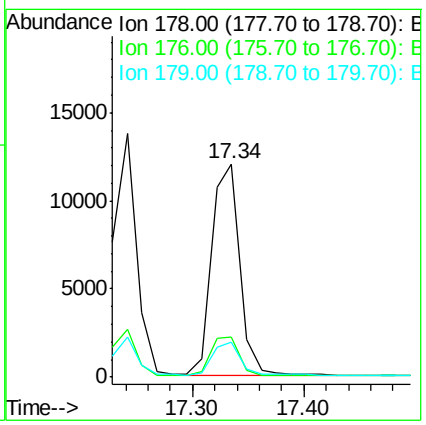


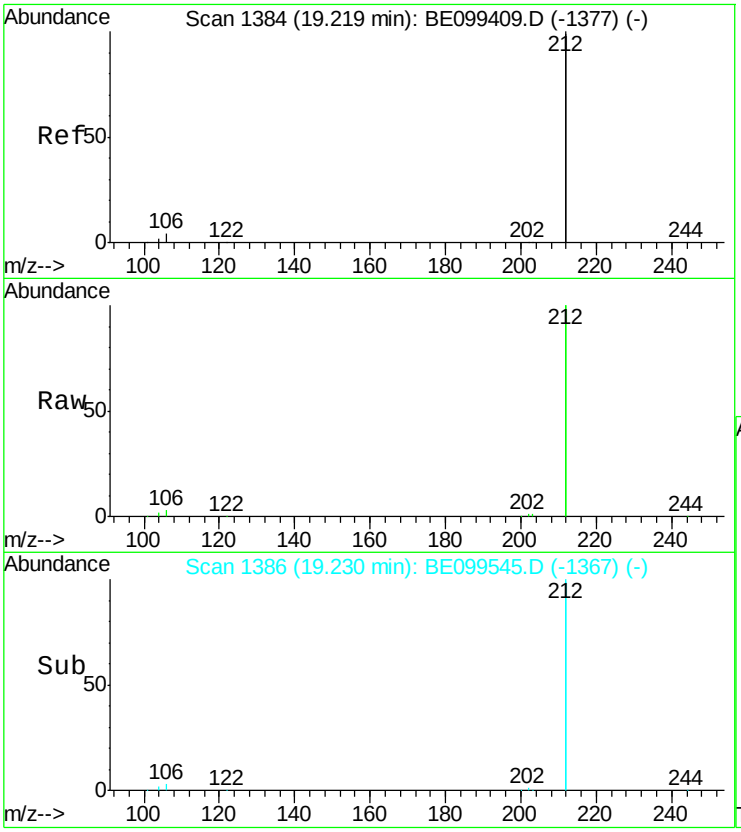


#24
Anthracene
Concen: 0.426 ng
RT: 17.34 min Scan# 1128
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:178 Resp: 20923

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.9	11.9	17.9



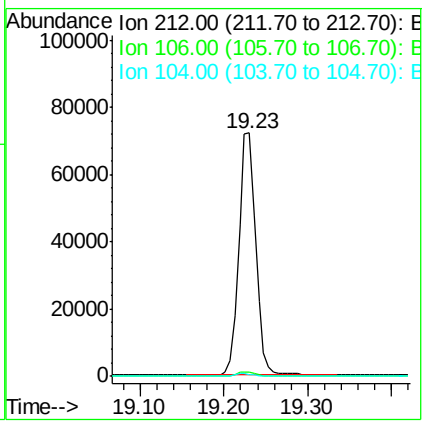


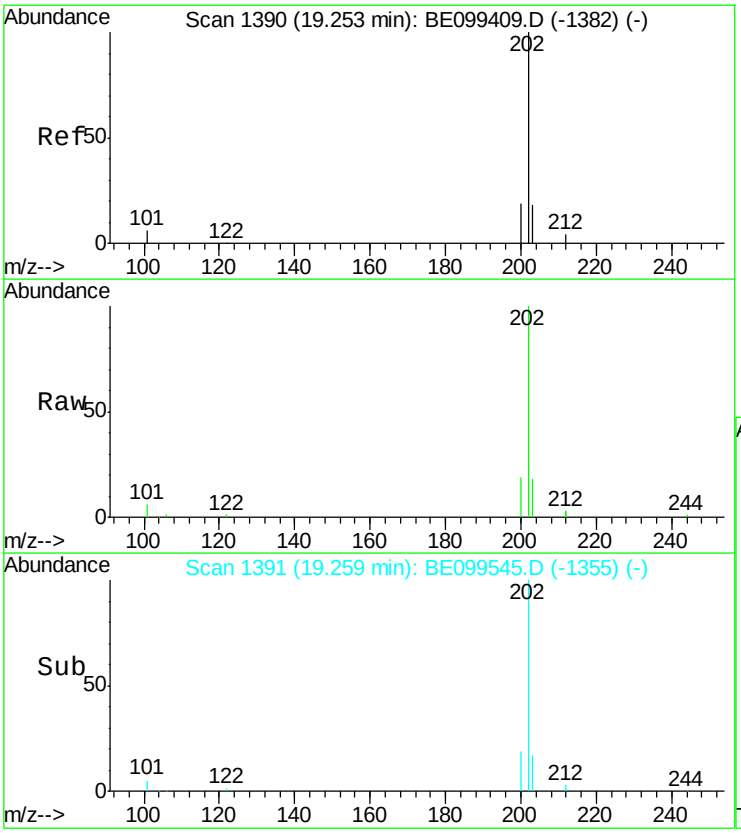
#25
Fluoranthene-d10
Concen: 0.375 ng
RT: 19.23 min Scan# 1386
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:212 Resp: 100844

Ion	Ratio	Lower	Upper
212	100		
106	1.7	1.5	2.3
104	1.0	0.9	1.3

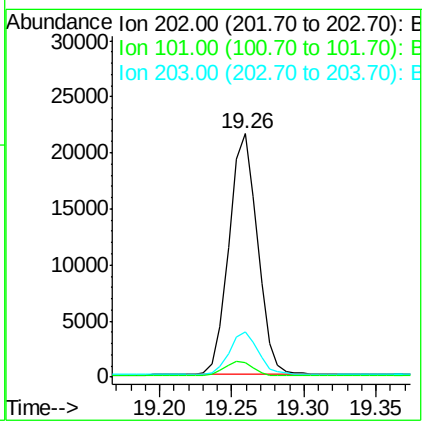


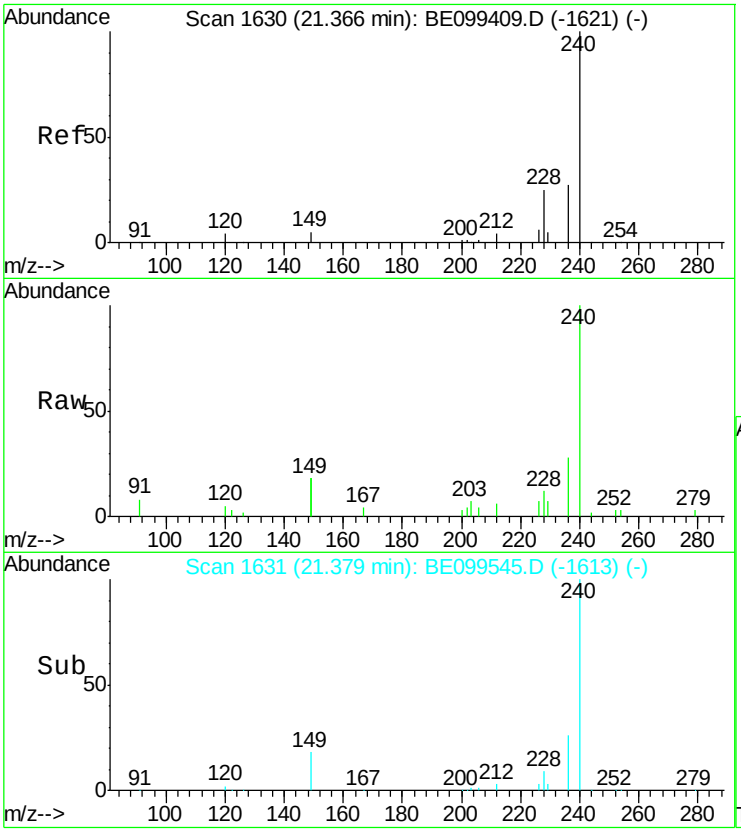


#26
Fluoranthene
Concen: 0.384 ng
RT: 19.26 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:202 Resp: 29650

Ion	Ratio	Lower	Upper
202	100		
101	6.2	5.4	8.0
203	17.2	13.9	20.9



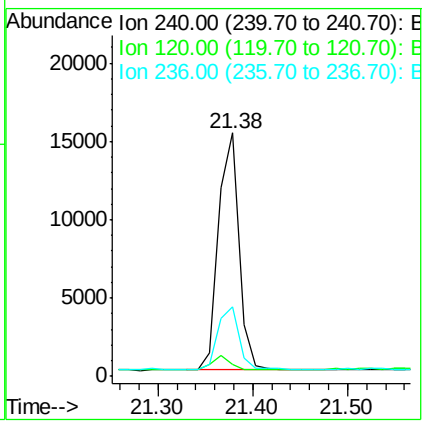


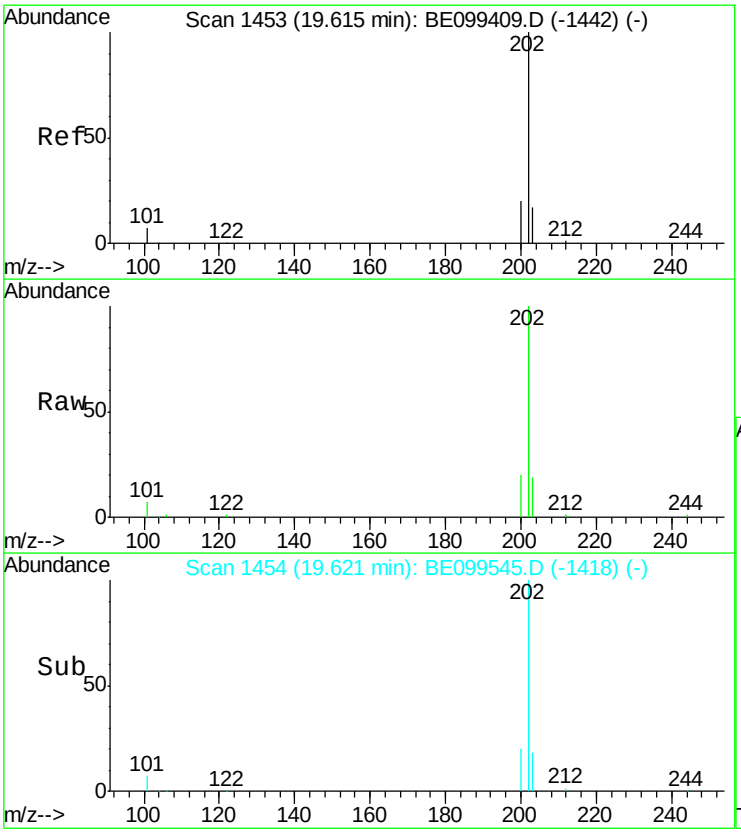
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.38 min Scan# 1631
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:240 Resp: 22773

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.0	6.0
236	28.3	22.0	33.0

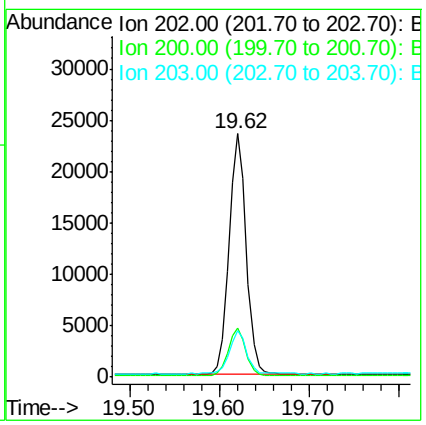


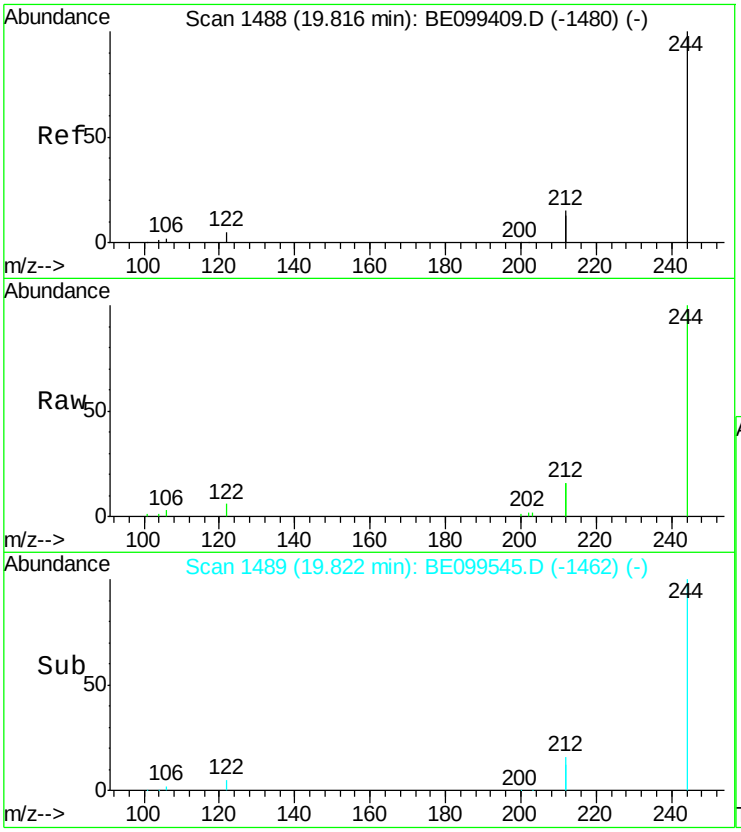


#28
Pyrene
Concen: 0.520 ng
RT: 19.62 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:202 Resp: 30846

Ion	Ratio	Lower	Upper
202	100		
200	19.9	15.7	23.5
203	17.5	13.9	20.9



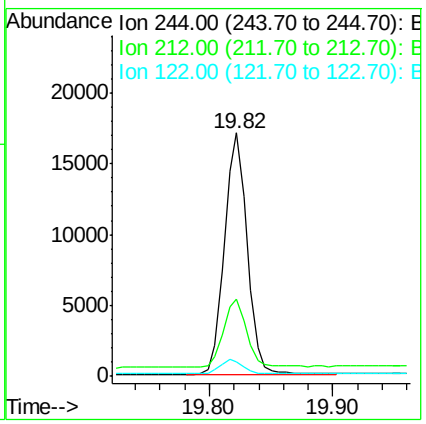


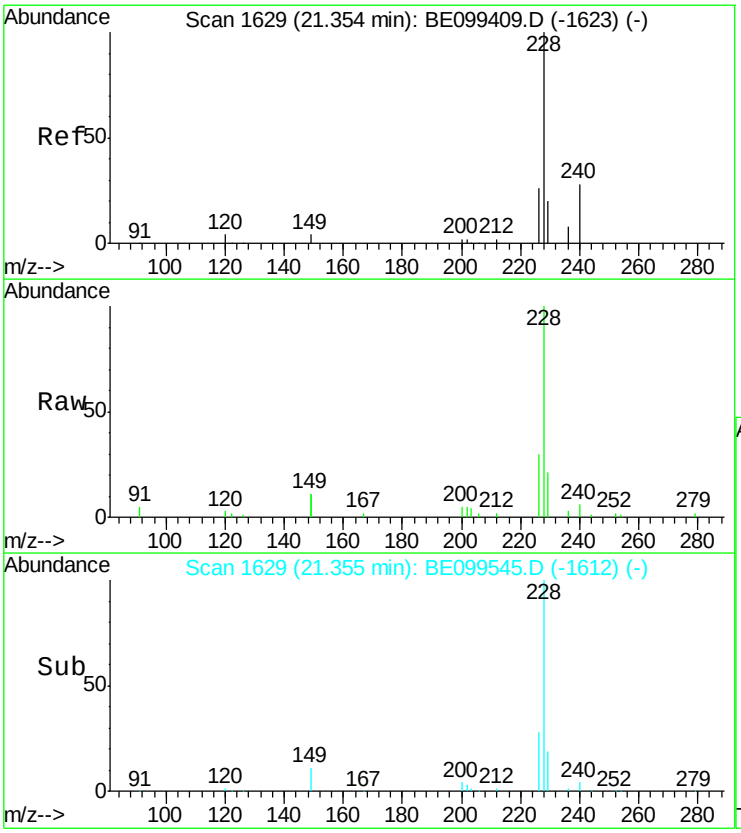
#29
Terphenyl-d14
Concen: 0.522 ng
RT: 19.82 min Scan# 1489
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:244 Resp: 21776

Ion	Ratio	Lower	Upper
244	100		
212	31.9	23.2	34.8
122	6.1	4.2	6.4

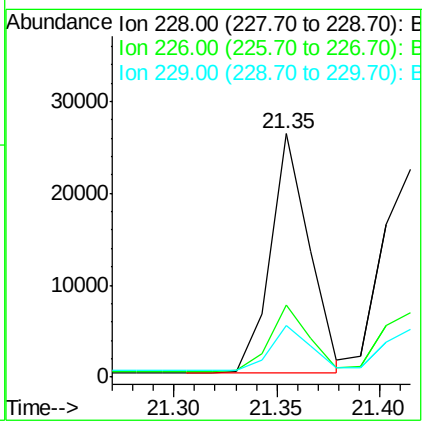


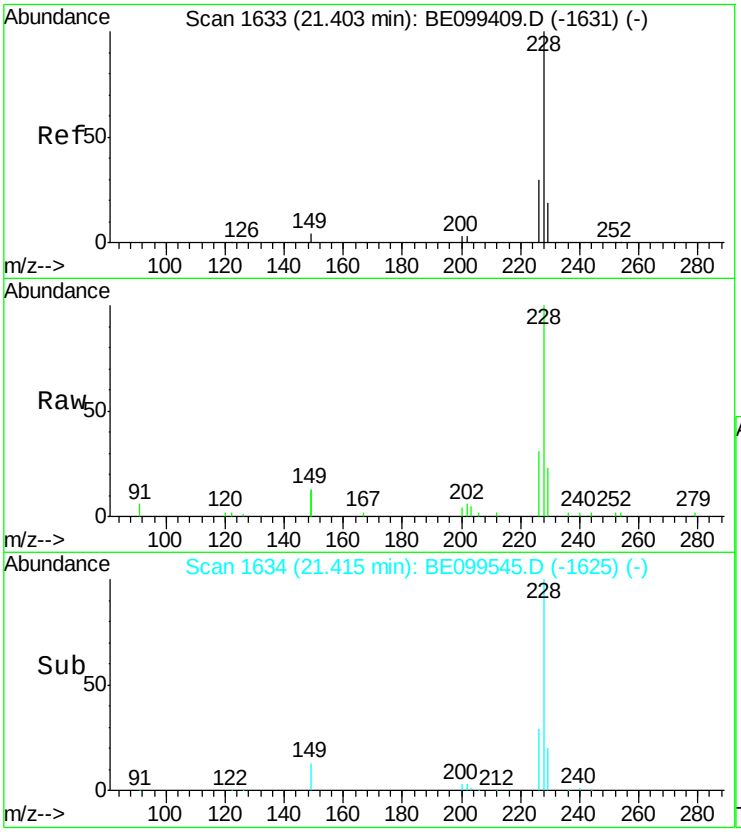


#30
Benzo(a)anthracene
Concen: 0.474 ng
RT: 21.35 min Scan# 1629
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:228 Resp: 34358

Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.0	31.6
229	21.4	16.6	25.0



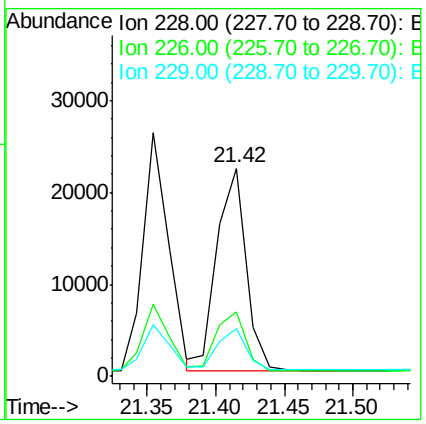


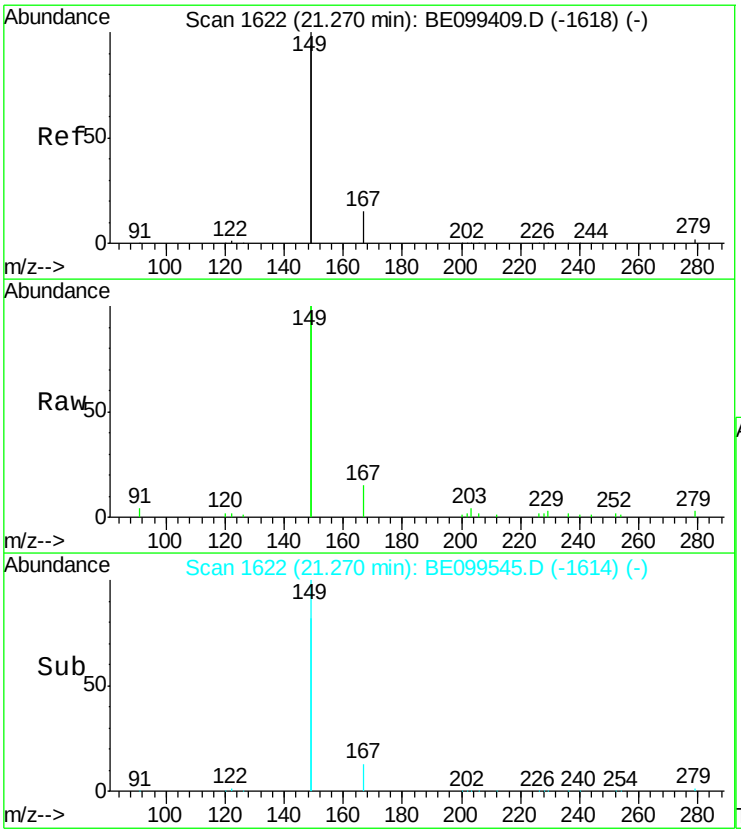
#31
Chrysene
Concen: 0.460 ng
RT: 21.42 min Scan# 1634
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:228 Resp: 32653

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.0	36.0
229	23.2	15.8	23.8

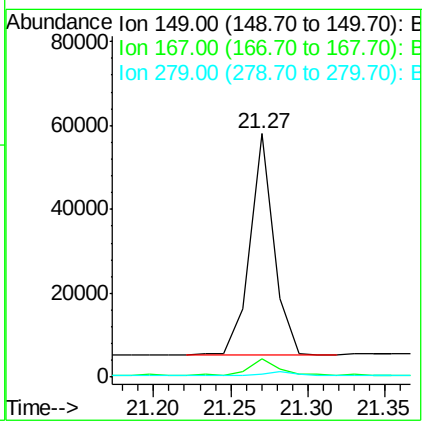


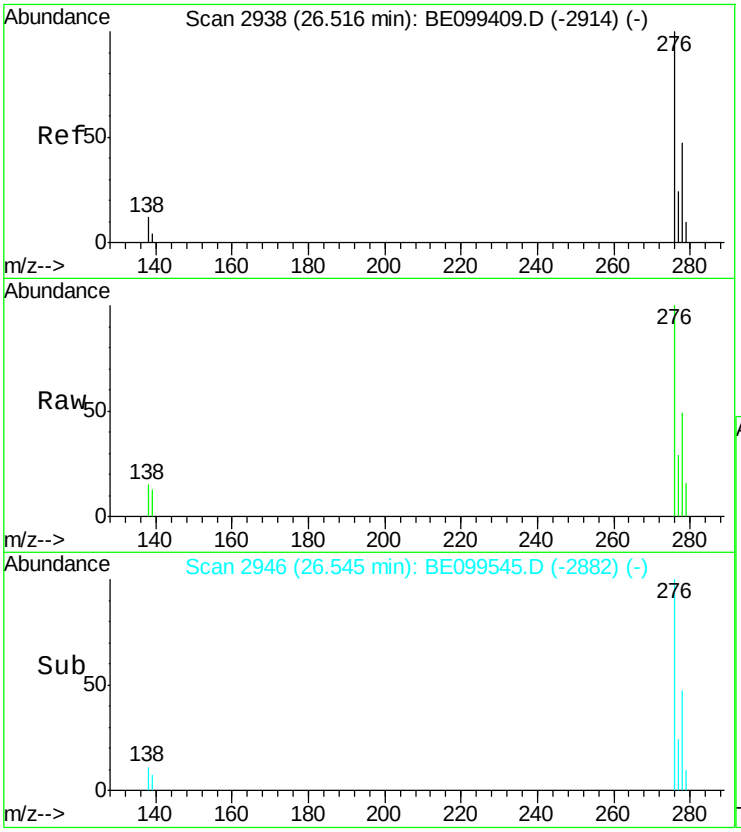


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.480 ng
RT: 21.27 min Scan# 1622
Delta R.T. 0.00 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:149 Resp: 56475

Ion	Ratio	Lower	Upper
149	100		
167	7.9	5.8	8.6
279	1.6	1.0	1.6#



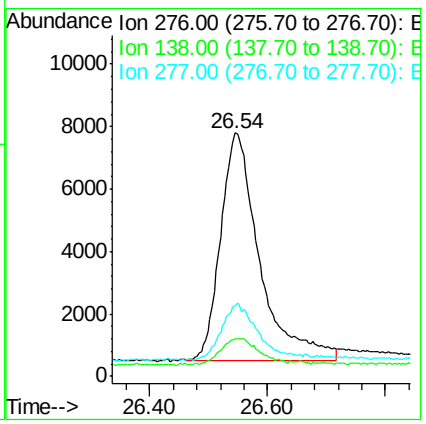


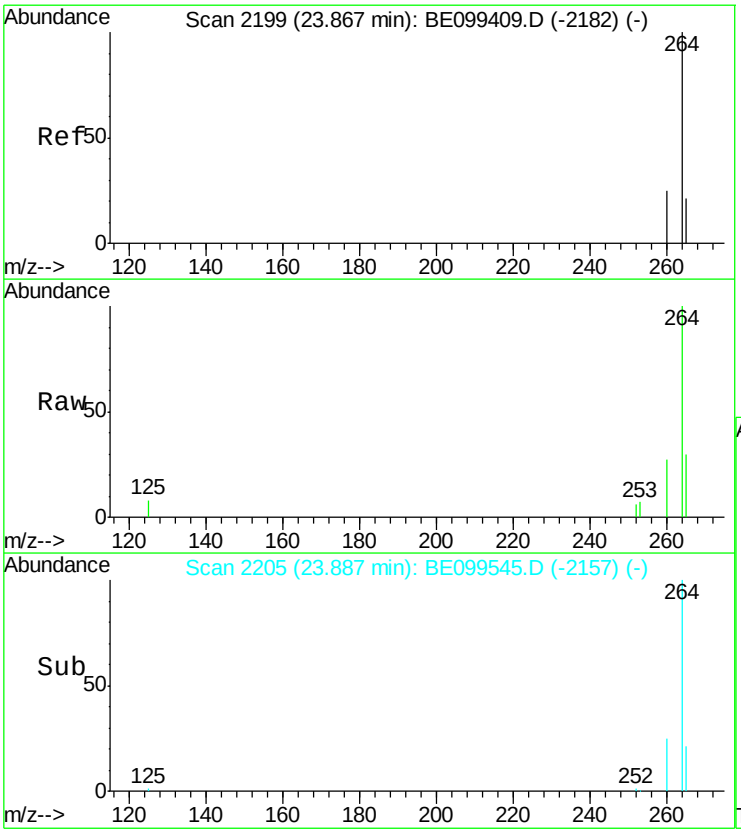
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.401 ng
RT: 26.54 min Scan# 2946
Delta R.T. 0.03 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 33628

Ion	Ratio	Lower	Upper
276	100		
138	10.9	10.2	15.2
277	23.3	19.2	28.8

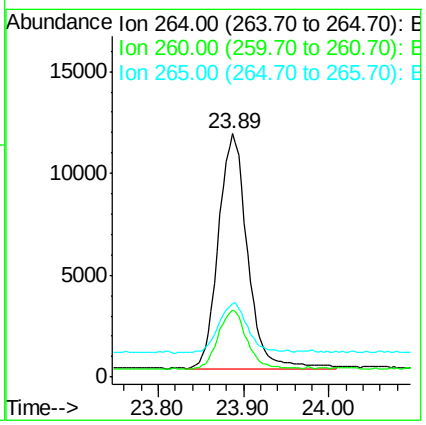


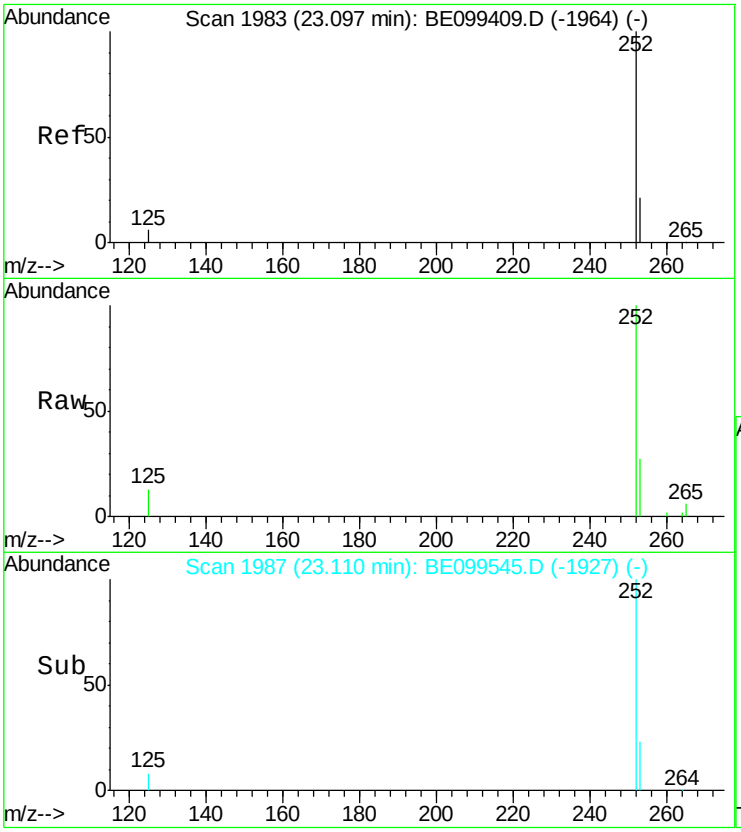


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.89 min Scan# 2205
Delta R.T. 0.02 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:264 Resp: 27407

Ion	Ratio	Lower	Upper
264	100		
260	27.3	20.2	30.2
265	30.3	21.3	31.9



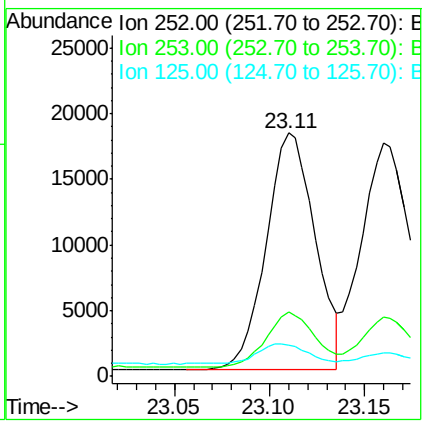


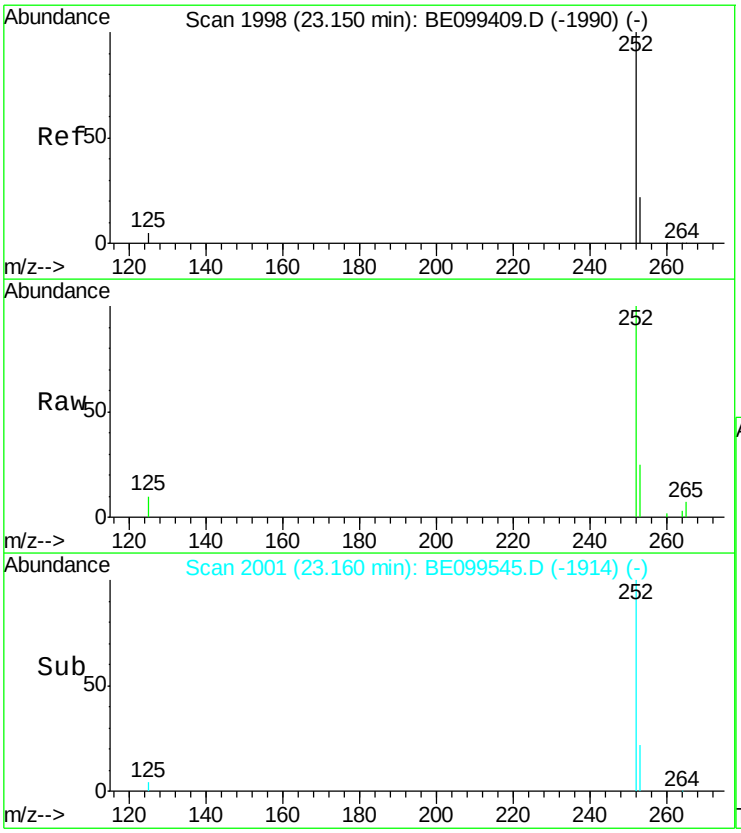
#35
Benzo(b)fluoranthene
Concen: 0.407 ng
RT: 23.11 min Scan# 1987
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 32185

Ion	Ratio	Lower	Upper
252	100		
253	26.6	18.1	27.1
125	12.9	5.6	8.4#

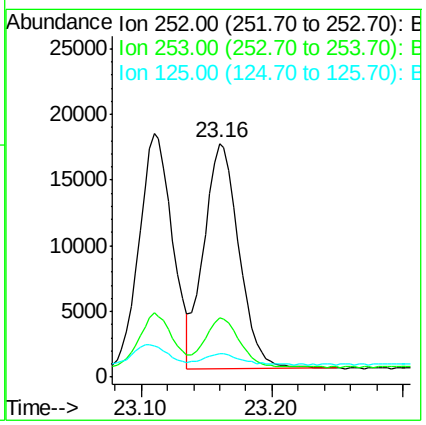


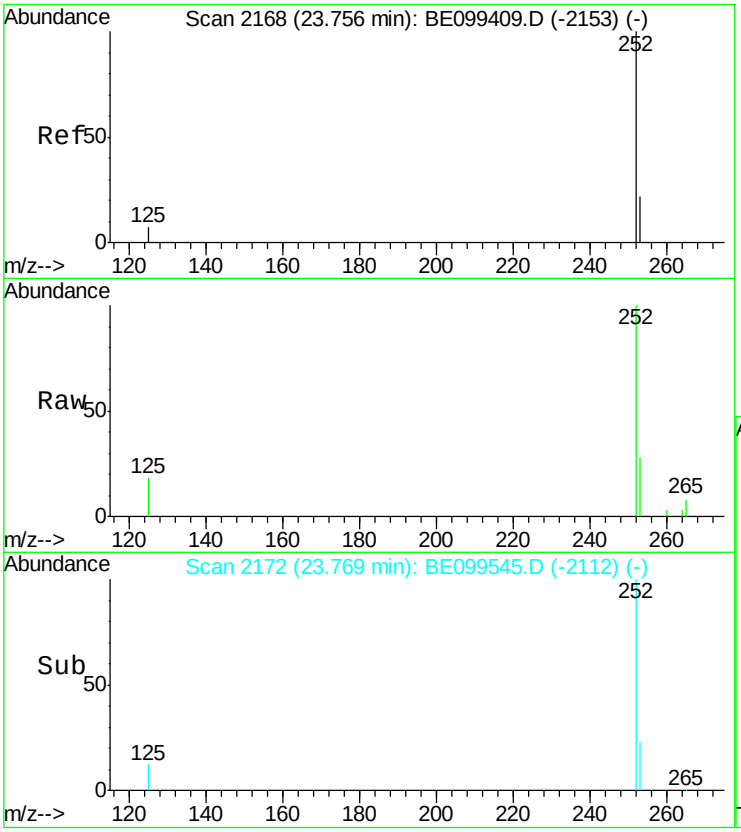


#36
Benzo(k)fluoranthene
Concen: 0.420 ng
RT: 23.16 min Scan# 2001
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:252 Resp: 32009

Ion	Ratio	Lower	Upper
252	100		
253	25.4	18.4	27.6
125	9.8	5.0	7.4#



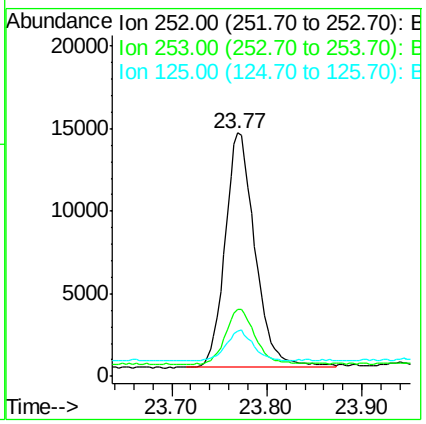


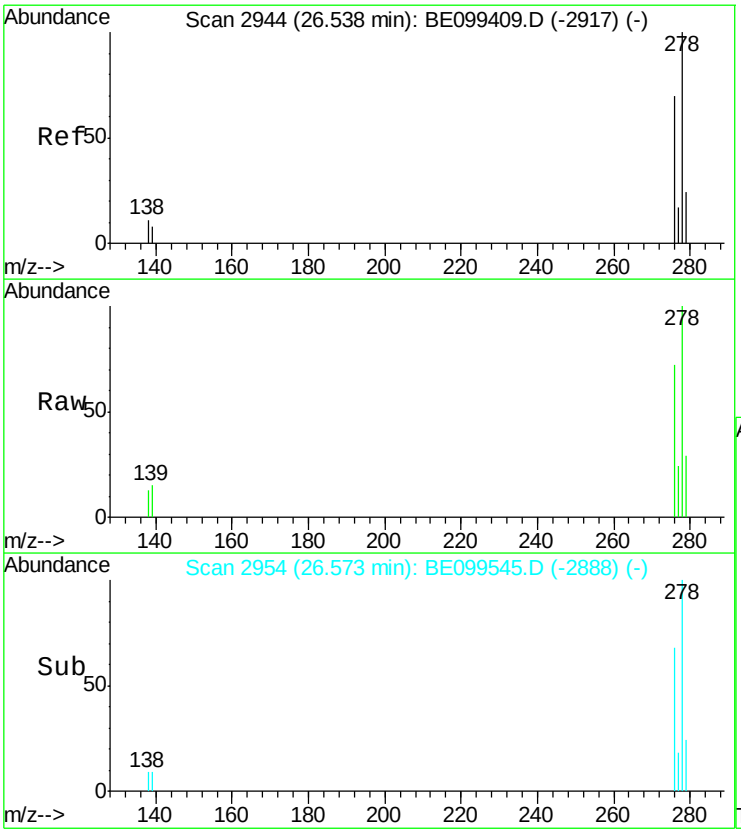
#37
Benzo(a)pyrene
Concen: 0.416 ng
RT: 23.77 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:252 Resp: 31064

Ion	Ratio	Lower	Upper
252	100		
253	27.7	18.9	28.3
125	18.4	6.7	10.1#

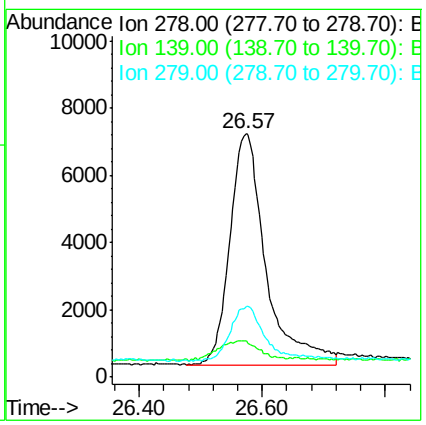


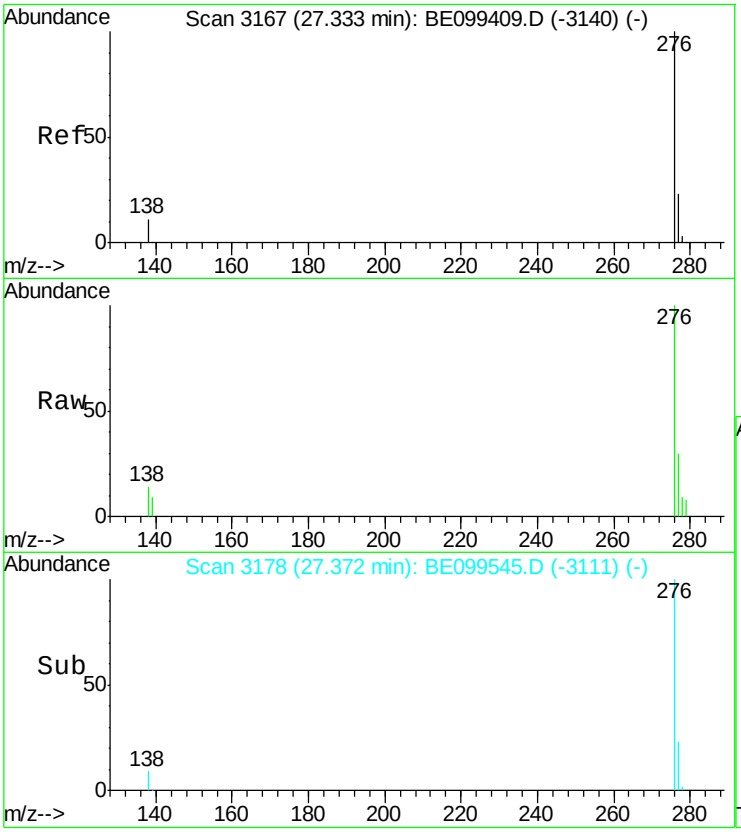


#38
Dibenzo(a,h)anthracene
Concen: 0.368 ng
RT: 26.57 min Scan# 2954
Delta R.T. 0.04 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Tgt Ion:278 Resp: 28107

Ion	Ratio	Lower	Upper
278	100		
139	14.7	7.7	11.5#
279	29.3	20.2	30.2





#39
Benzo(g,h,i)perylene
Concen: 0.304 ng
RT: 27.37 min Scan# 3178
Delta R.T. 0.04 min
Lab File: BE099545.D
Acq: 4 May 2019 00:20

Instrument :
BNA_E
ClientSampleId :
SSTDCCC0.4EC

Tgt Ion:276 Resp: 23249

Ion	Ratio	Lower	Upper
276	100		
277	29.9	19.5	29.3#
138	14.4	9.6	14.4#