Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099747.D
Acq On : 24 May 2019 17:57
Operator : JU/SJ
Sample : PB120039BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB120039BS

Quant Time: May 24 21:34:25 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	7.80	152	1246	0.40	ng		-0.02
7) Naphthalene-d8	10.60	136	4272	0.40	ng		-0.01
13) Acenaphthene-d10	14.47	164	2827	0.40	ng		-0.02
19) Phenanthrene-d10	17.21	188	8262	0.40	ng		-0.01
27) Chrysene-d12	21.40	240	14078	0.40	ng		-0.01
34) Perylene-d12	23.94	264	17454	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1496	0.48	ng		0.00
5) Phenol-d6	6.97	99	1828	0.44	ng		0.00
8) Nitrobenzene-d5	8.96	82	1634	0.44	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	4017	0.54	ng		-0.02
14) 2,4,6-Tribromophenol	15.97	330	749	0.48	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	4553	0.42	ng		0.00
25) Fluoranthene-d10	19.25	212	45855	0.41	ng		-0.01
29) Terphenyl-d14	19.85	244	10571	0.42	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	520	0.282	ng	#	82
3) n-Nitrosodimethylamine	3.60	42	564	0.554	ng	#	91
6) bis(2-Chloroethyl)ether	7.22	93	1466	0.395	ng		100
9) Naphthalene	10.65	128	18249	0.399	ng		100
10) Hexachlorobutadiene	10.94	225	1344	0.400	ng		96
12) 2-Methylnaphthalene	12.28	142	2979	0.400	ng		98
16) Acenaphthylene	14.20	152	5324	0.404	ng		100
17) Acenaphthene	14.54	154	2916	0.394	ng		97
18) Fluorene	15.51	166	4322	0.397	ng		98
20) 4-Bromophenyl-phenylether	16.41	248	1850	0.388	ng	#	90
21) Hexachlorobenzene	16.52	284	1904	0.391	ng		97
22) Pentachlorophenol	16.88	266	1741	1.221	ng		93
23) Phenanthrene	17.27	178	7933	0.393	ng		100
24) Anthracene	17.35	178	7202	0.393	ng		98
26) Fluoranthene	19.29	202	12856	0.403	ng		100
28) Pyrene	19.65	202	13496	0.382	ng		99
30) Benzo(a)anthracene	21.39	228	18849	0.471	ng		99
31) Chrysene	21.44	228	19052	0.445	ng		99
32) Bis(2-ethylhexyl)phthalate	21.31	149	23744	0.515	ng		99
33) Indeno(1,2,3-cd)pyrene	26.63	276	24162	0.468	ng		98
35) Benzo(b)fluoranthene	23.16	252	19490	0.408	ng		98
36) Benzo(k)fluoranthene	23.21	252	20618	0.414	ng		99
37) Benzo(a)pyrene	23.82	252	19919	0.433	ng		98
38) Dibenzo(a,h)anthracene	26.66	278	20082	0.416	ng		98
39) Benzo(g,h,i)perylene	27.45	276	20655	0.423	ng		98

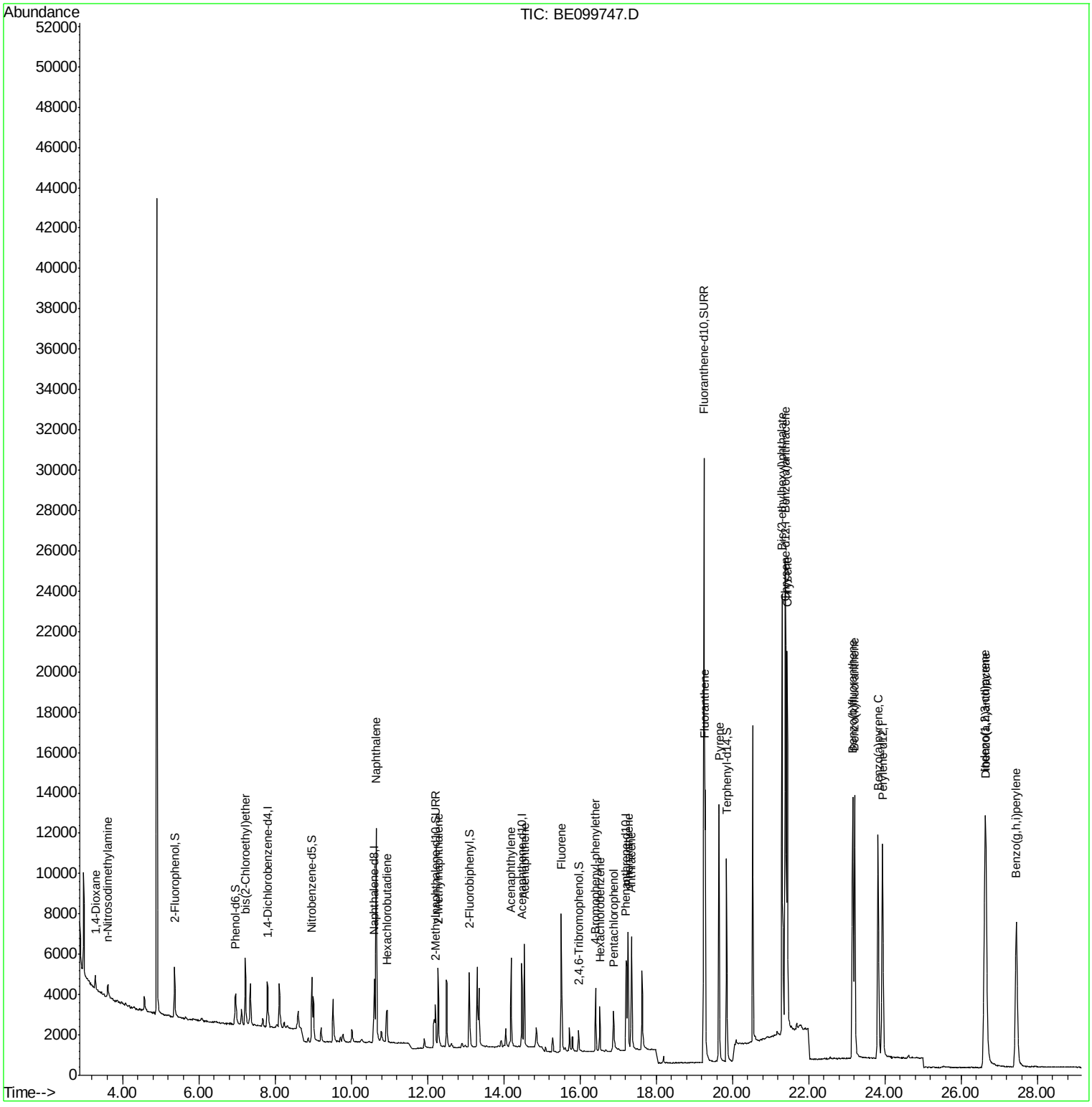
(#) = qualifier out of range (m) = manual integration (+) = signals summed

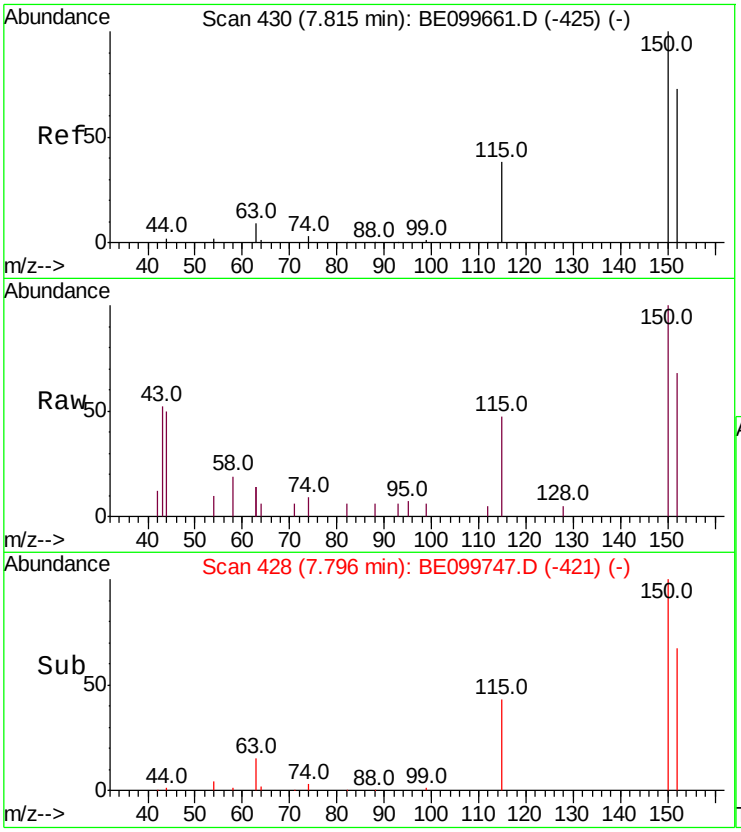
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099747.D
Acq On : 24 May 2019 17:57
Operator : JU/SJ
Sample : PB120039BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Quant Time: May 24 21:34:25 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



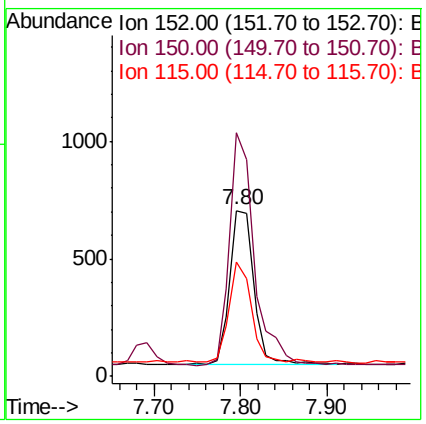


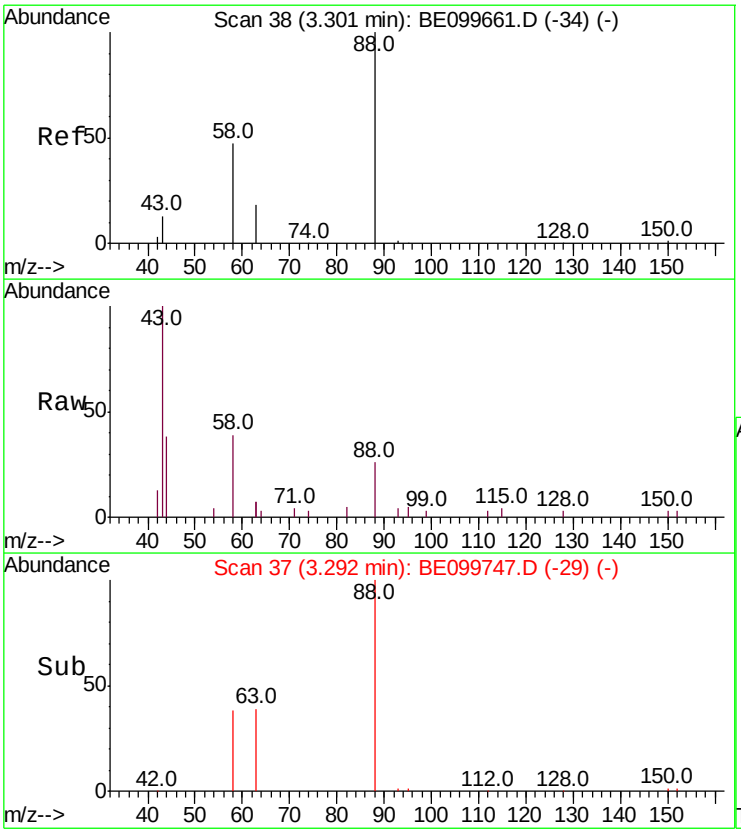
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 428
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:152 Resp: 1246

Ion	Ratio	Lower	Upper
152	100		
150	147.0	109.2	163.8
115	68.7	43.7	65.5#

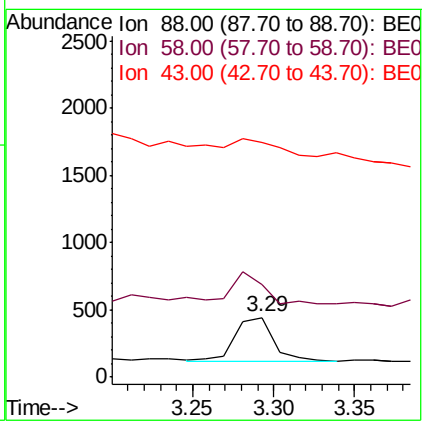


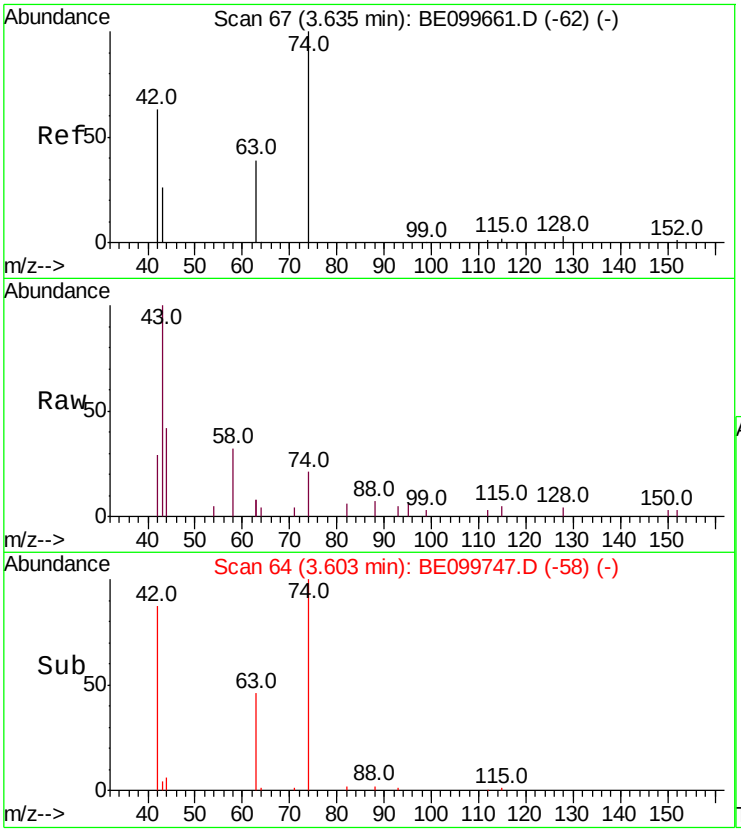


#2
1,4-Dioxane
Concen: 0.282 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion: 88 Resp: 520

Ion	Ratio	Lower	Upper
88	100		
58	58.7	41.8	62.8
43	0.0	15.0	22.4#



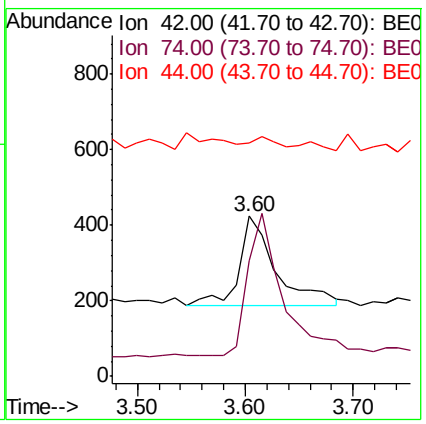


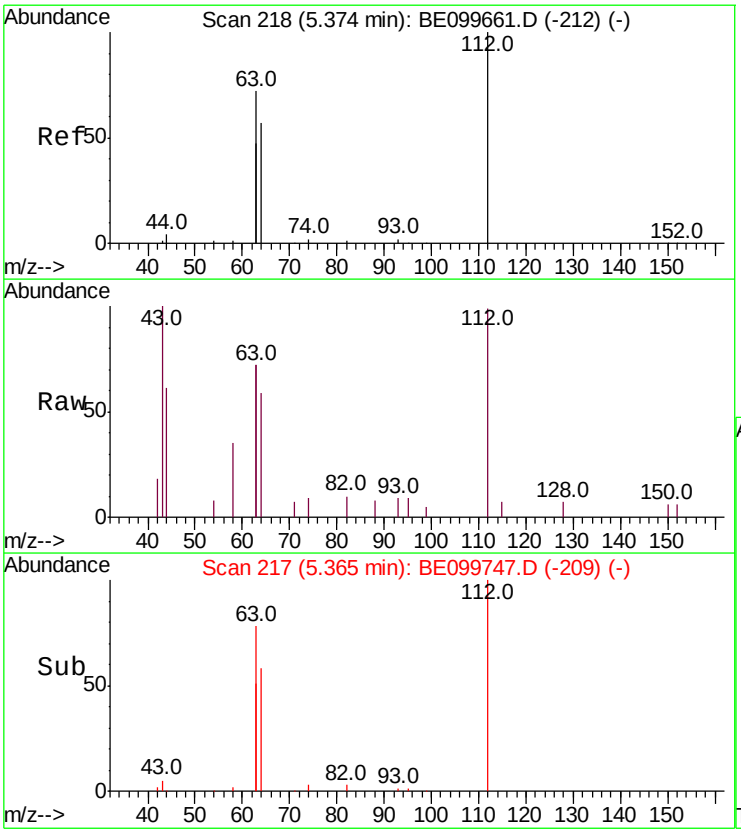
#3
n-Nitrosodimethylamine
Concen: 0.554 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.03 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion: 42 Resp: 564

Ion	Ratio	Lower	Upper
42	100		
74	149.3	129.2	193.8
44	5.0	0.0	0.0#

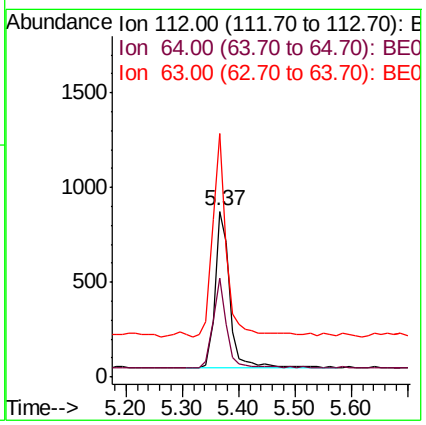


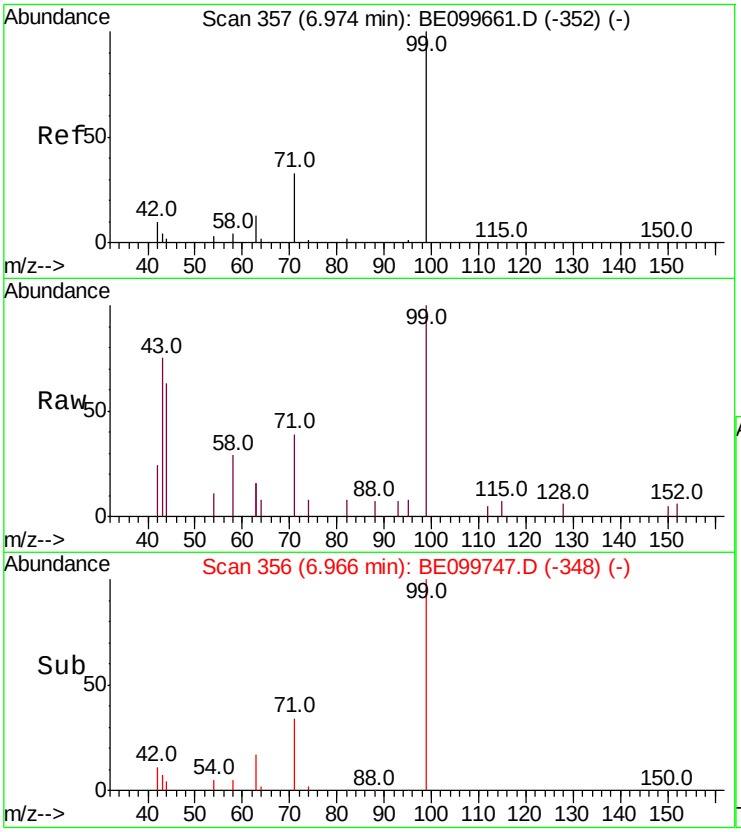


#4
2-Fluorophenol
Concen: 0.475 ng
RT: 5.37 min Scan# 217
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:112 Resp: 1496

Ion	Ratio	Lower	Upper
112	100		
64	52.1	43.4	65.2
63	117.3	96.9	145.3



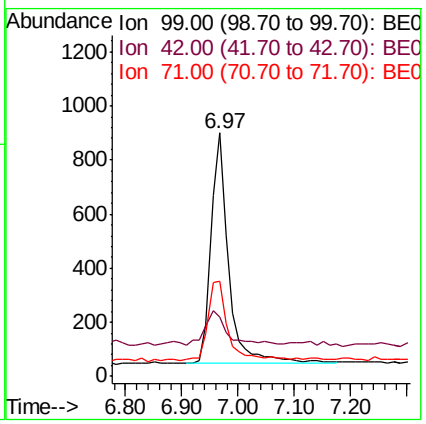


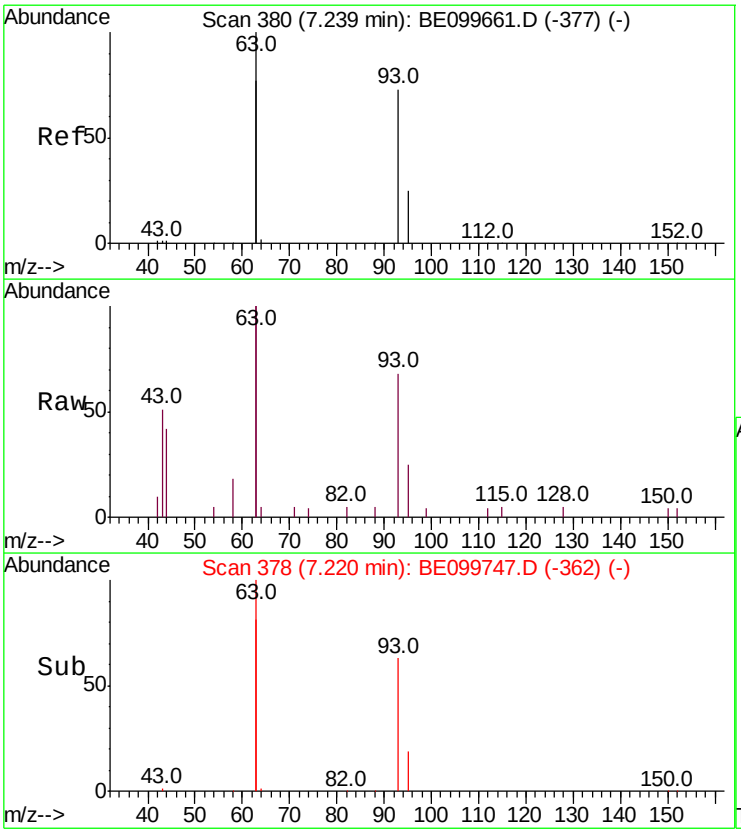
#5
Phenol-d6
Concen: 0.439 ng
RT: 6.97 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion: 99 Resp: 1828

Ion	Ratio	Lower	Upper
99	100		
42	19.7	12.2	18.2#
71	37.5	28.9	43.3

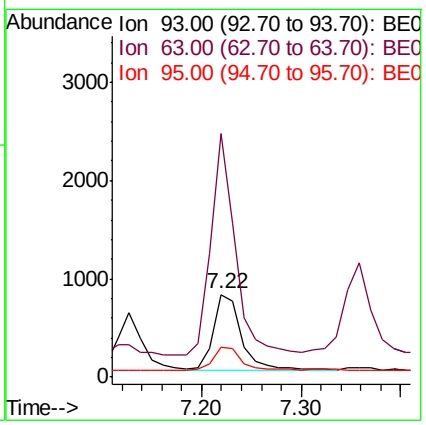


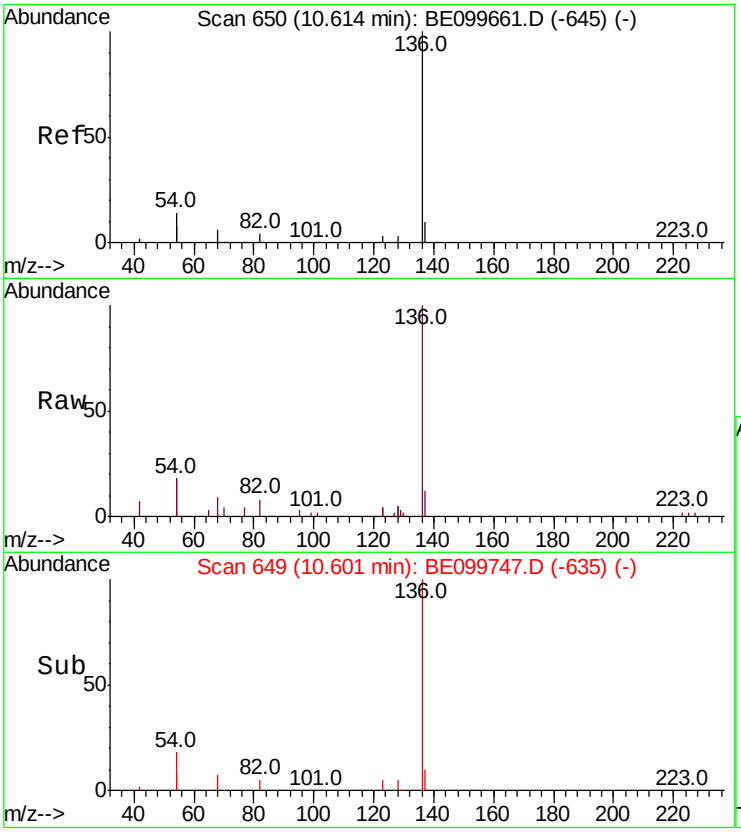


#6
bis(2-Chloroethyl)ether
Concen: 0.395 ng
RT: 7.22 min Scan# 378
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion: 93 Resp: 1466

Ion	Ratio	Lower	Upper
93	100		
63	260.2	207.8	311.6
95	32.9	25.9	38.9



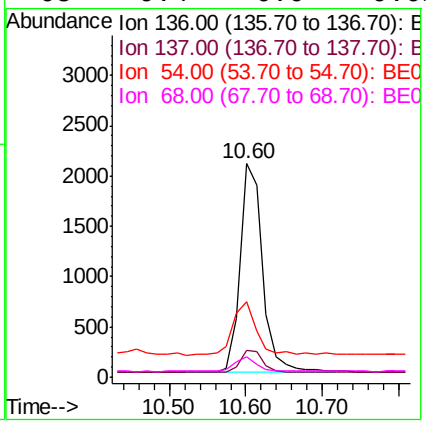


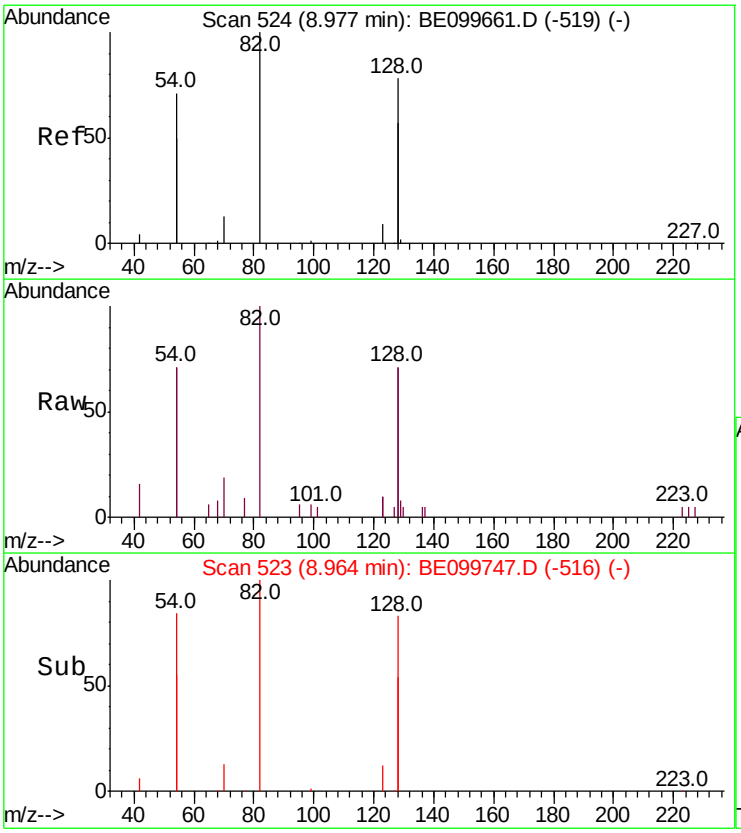
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:136 Resp: 4272

Ion	Ratio	Lower	Upper
136	100		
137	12.4	9.0	13.6
54	35.6	22.3	33.5#
68	9.4	6.0	9.0#

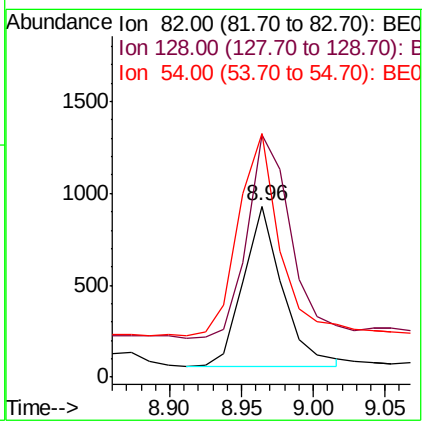


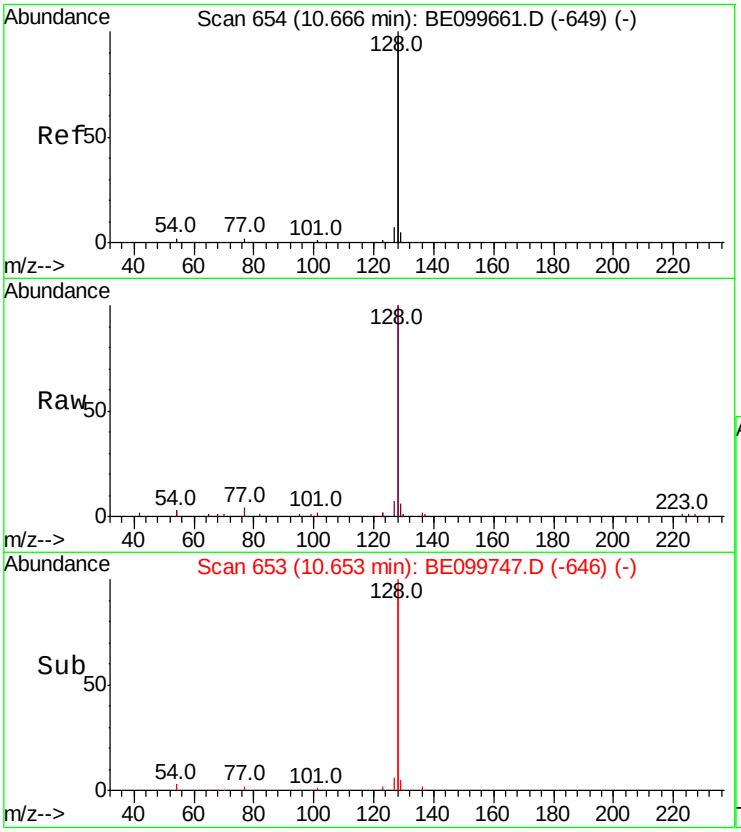


#8
Nitrobenzene-d5
Concen: 0.442 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion: 82 Resp: 1634

Ion	Ratio	Lower	Upper
82	100		
128	141.7	117.7	176.5
54	142.7	106.6	160.0



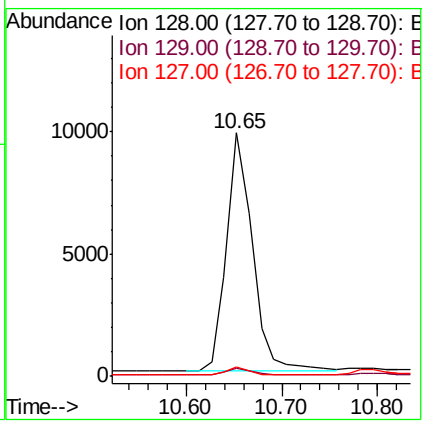


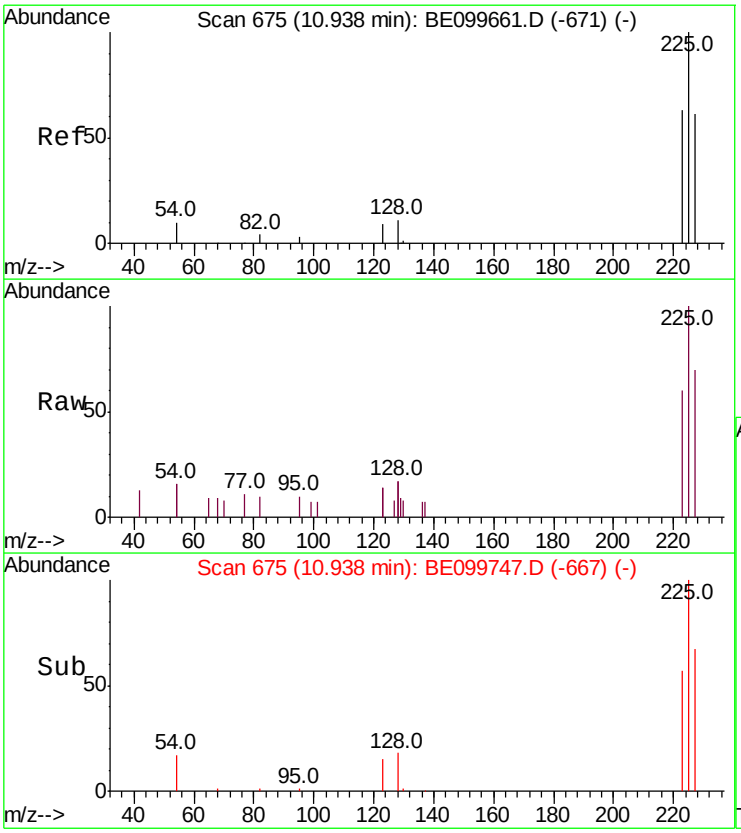
#9
Naphthalene
Concen: 0.399 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:128 Resp: 18249

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

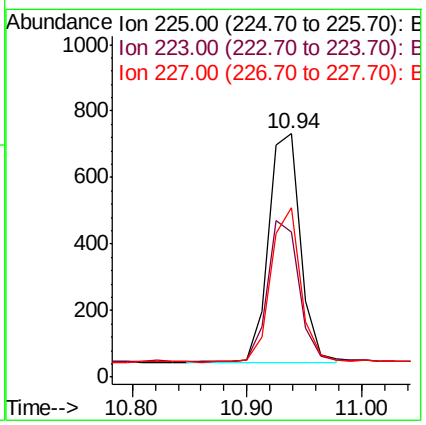


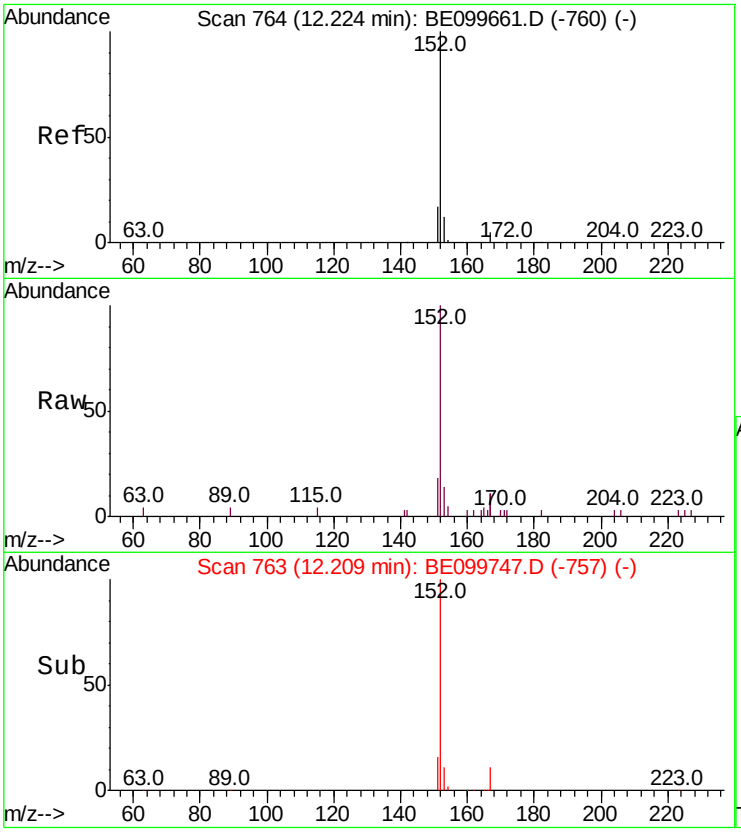


#10
Hexachlorobutadiene
Concen: 0.400 ng
RT: 10.94 min Scan# 675
Delta R.T. 0.00 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:225 Resp: 1344

Ion	Ratio	Lower	Upper
225	100		
223	60.9	51.8	77.6
227	63.1	52.6	79.0



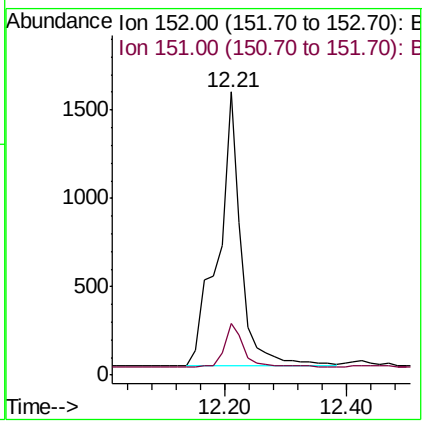


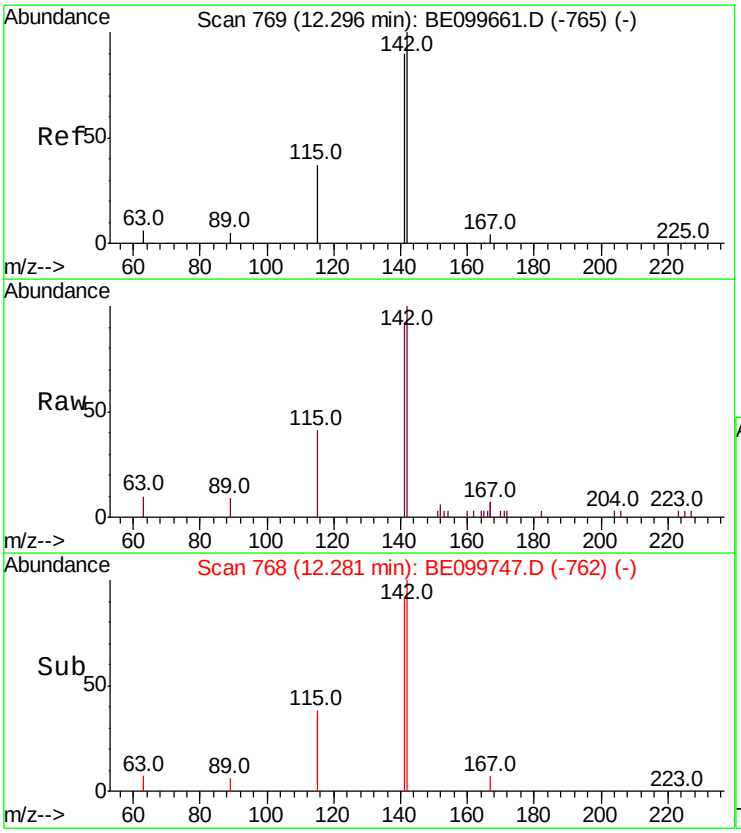
#11
2-Methylnaphthalene-d10
Concen: 0.545 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:152 Resp: 4017

Ion	Ratio	Lower	Upper
152	100		
151	13.4	15.0	22.4#

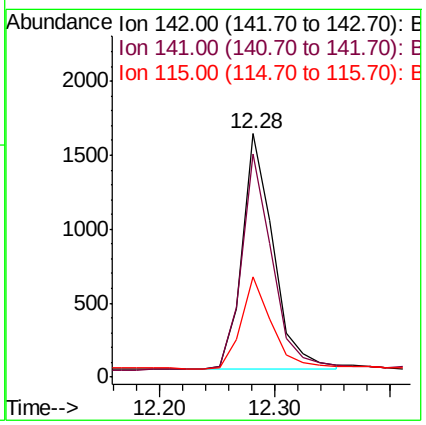


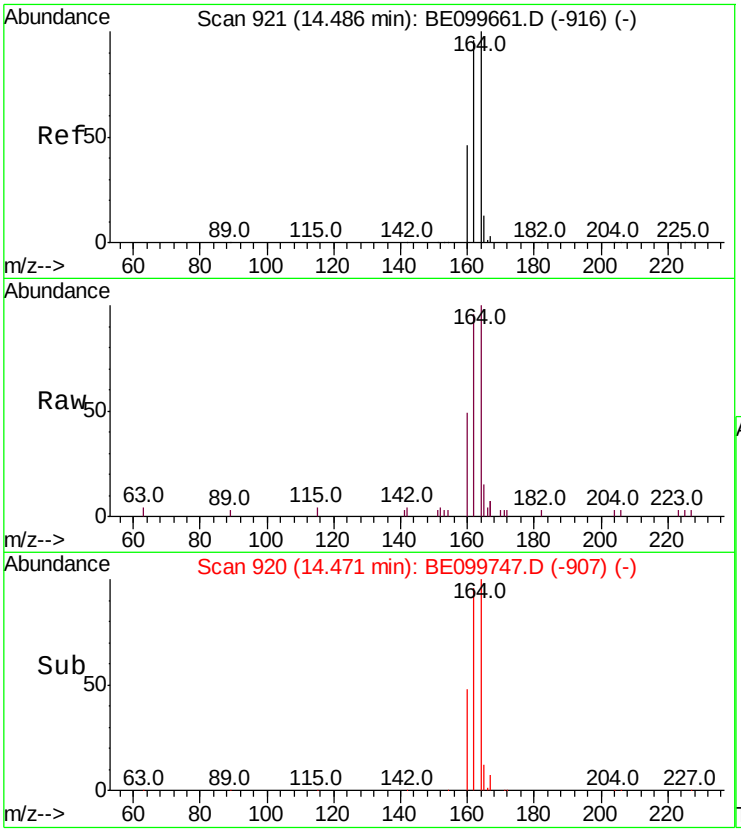


#12
2-Methylnaphthalene
Concen: 0.400 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:142 Resp: 2979

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.0	108.0
115	40.9	31.0	46.4



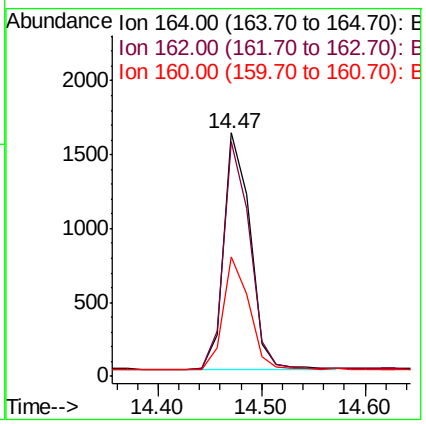


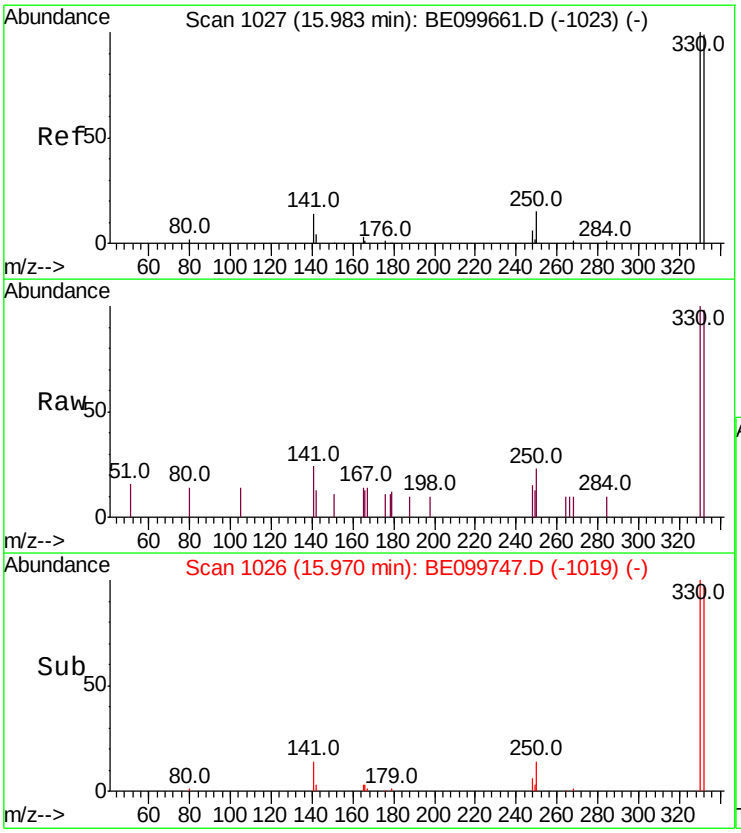
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:164 Resp: 2827

Ion	Ratio	Lower	Upper
164	100		
162	96.2	76.5	114.7
160	49.1	37.4	56.2

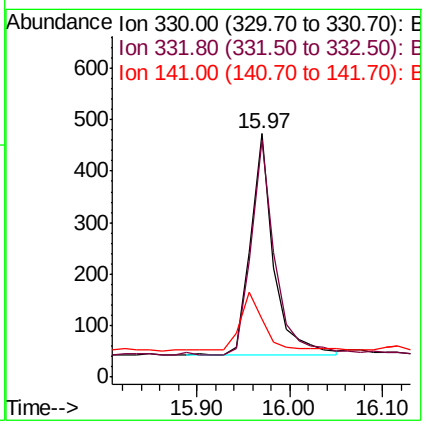


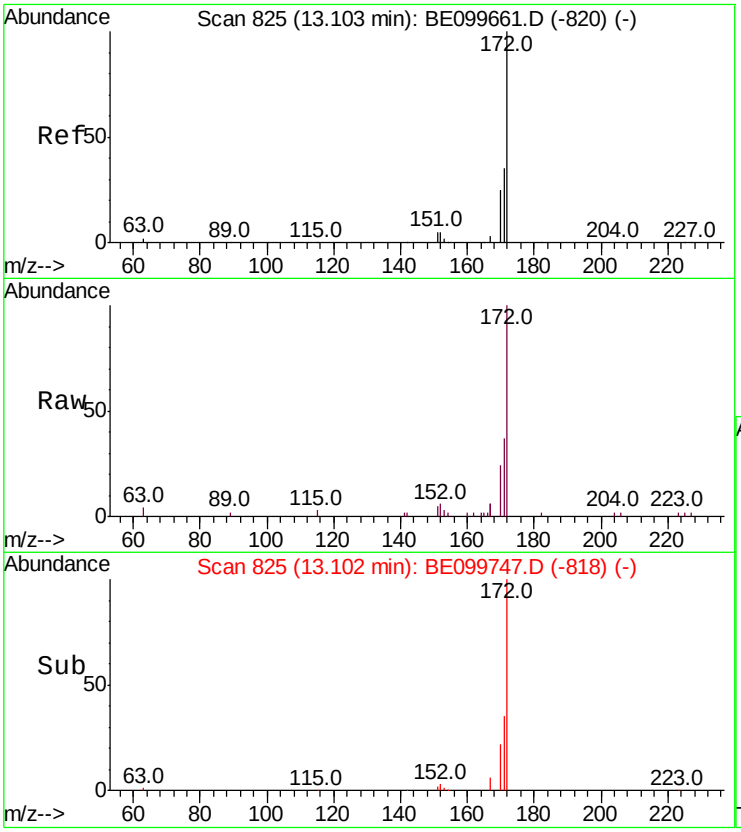


#14
2,4,6-Tribromophenol
Concen: 0.476 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:330 Resp: 749

Ion	Ratio	Lower	Upper
330	100		
332	104.1	77.3	115.9
141	26.4	18.9	28.3



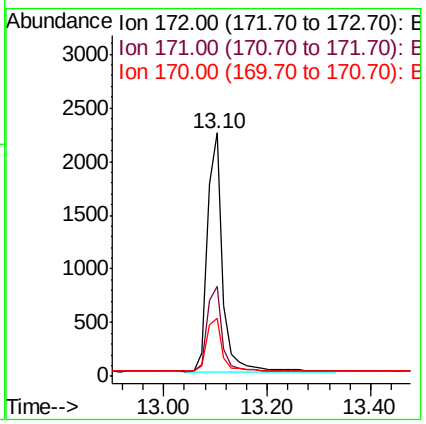


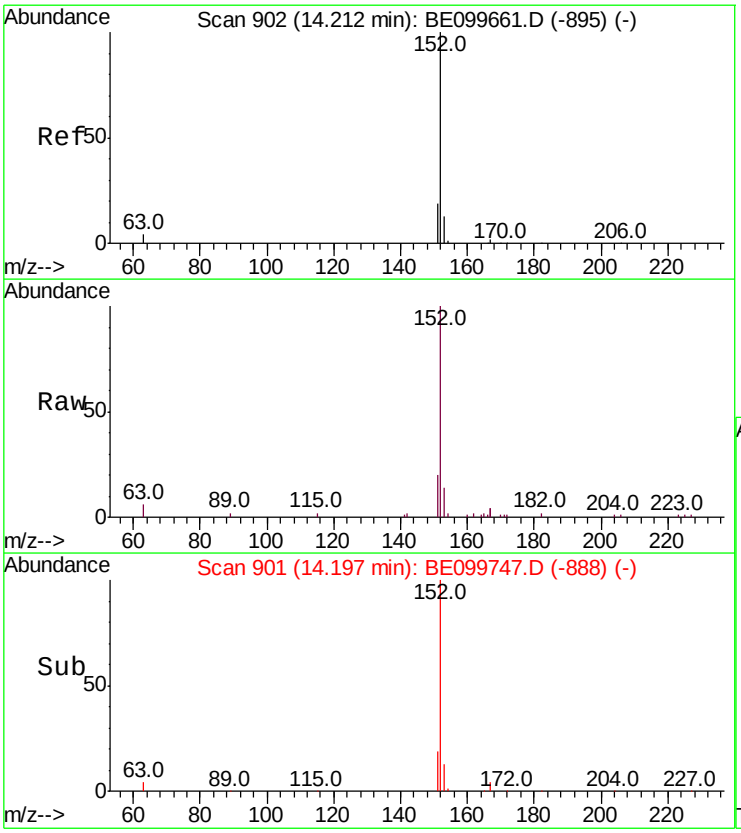
#15
2-Fluorobiphenyl
Concen: 0.424 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:172 Resp: 4553

Ion	Ratio	Lower	Upper
172	100		
171	36.9	28.7	43.1
170	23.9	20.9	31.3

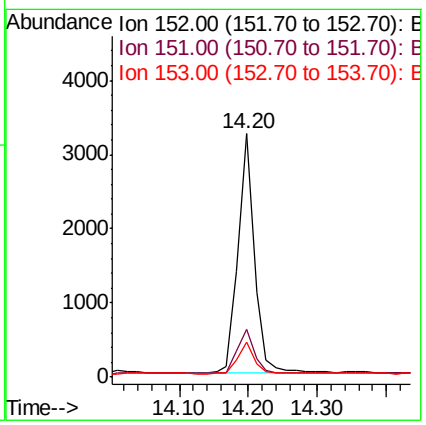


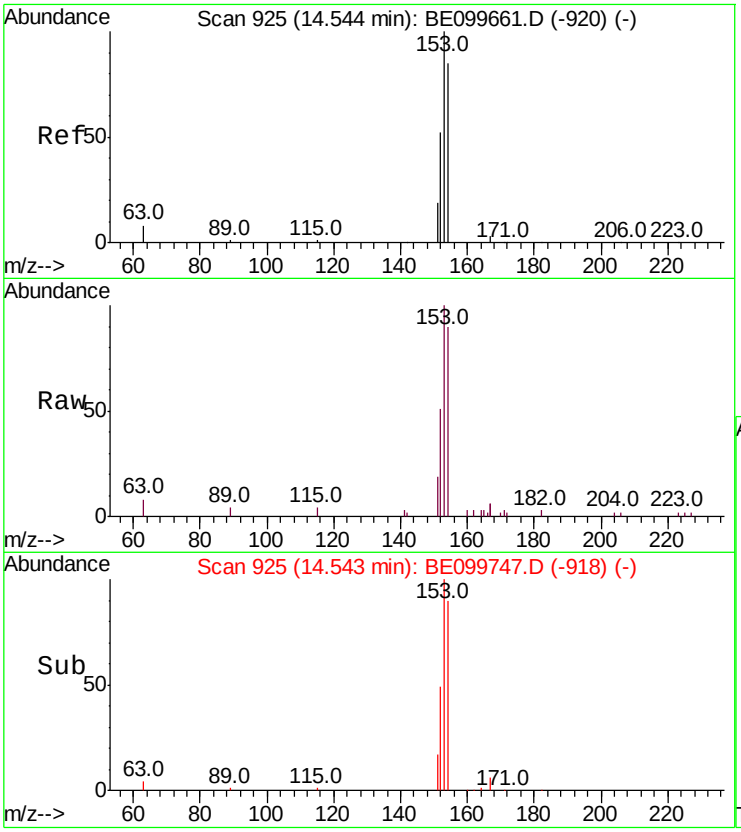


#16
Acenaphthylene
Concen: 0.404 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:152 Resp: 5324

Ion	Ratio	Lower	Upper
152	100		
151	19.7	15.9	23.9
153	13.4	10.6	16.0



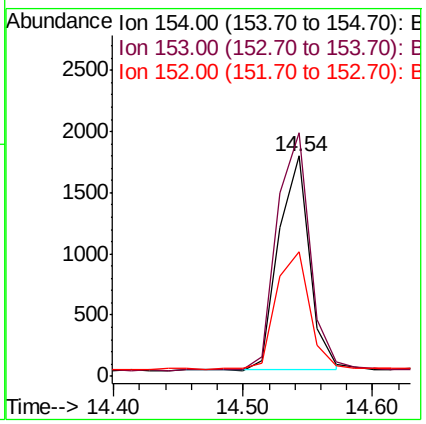


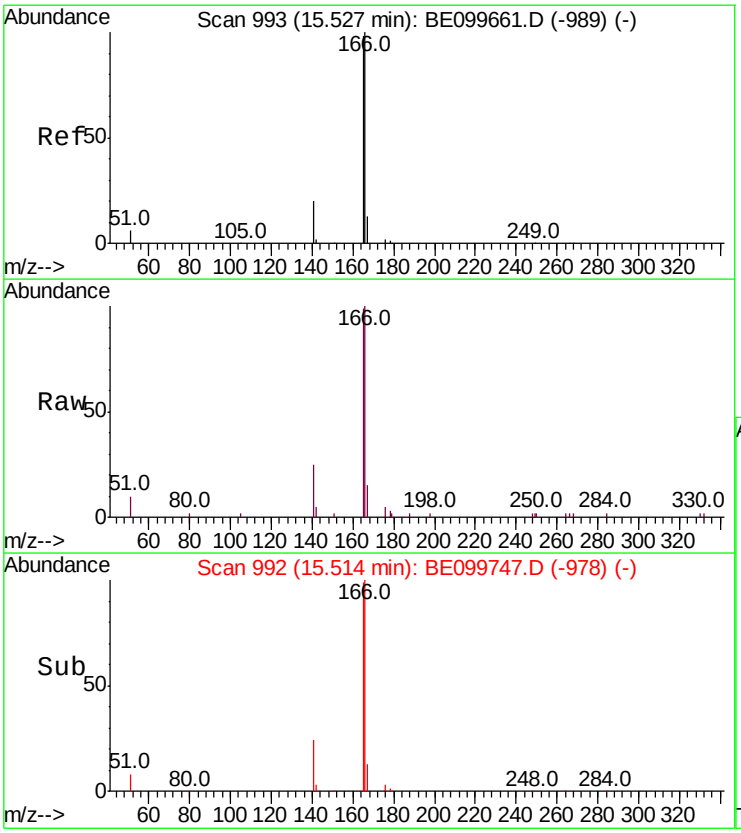
#17
Acenaphthene
Concen: 0.394 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:154 Resp: 2916

Ion	Ratio	Lower	Upper
154	100		
153	117.9	91.8	137.6
152	59.2	46.0	69.0

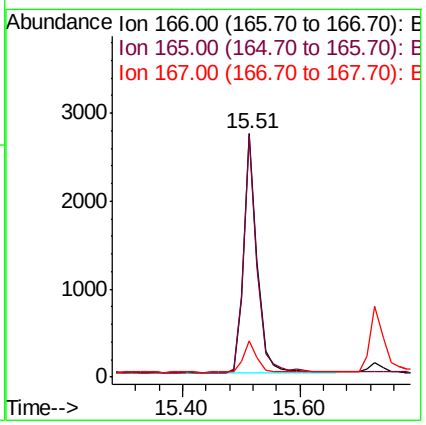


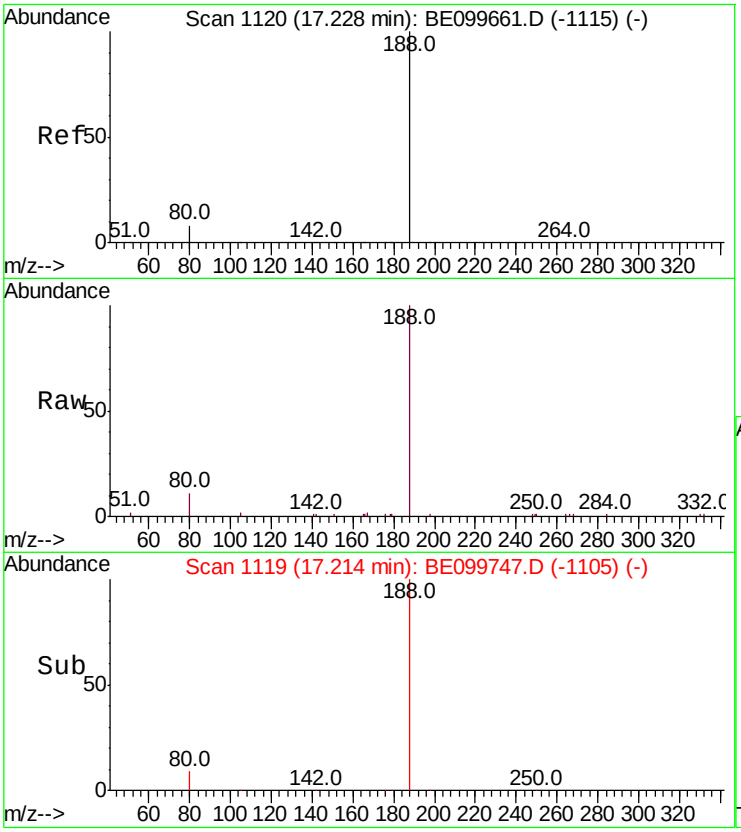


#18
Fluorene
Concen: 0.397 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:166 Resp: 4322

Ion	Ratio	Lower	Upper
166	100		
165	98.2	80.3	120.5
167	13.9	10.6	16.0



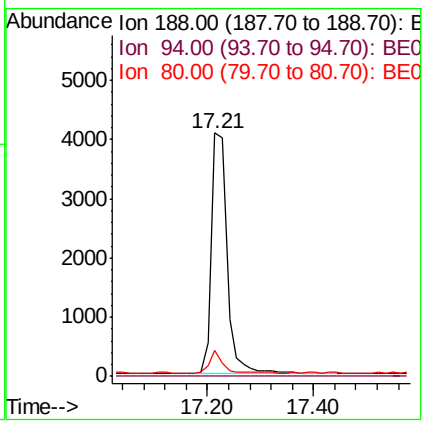


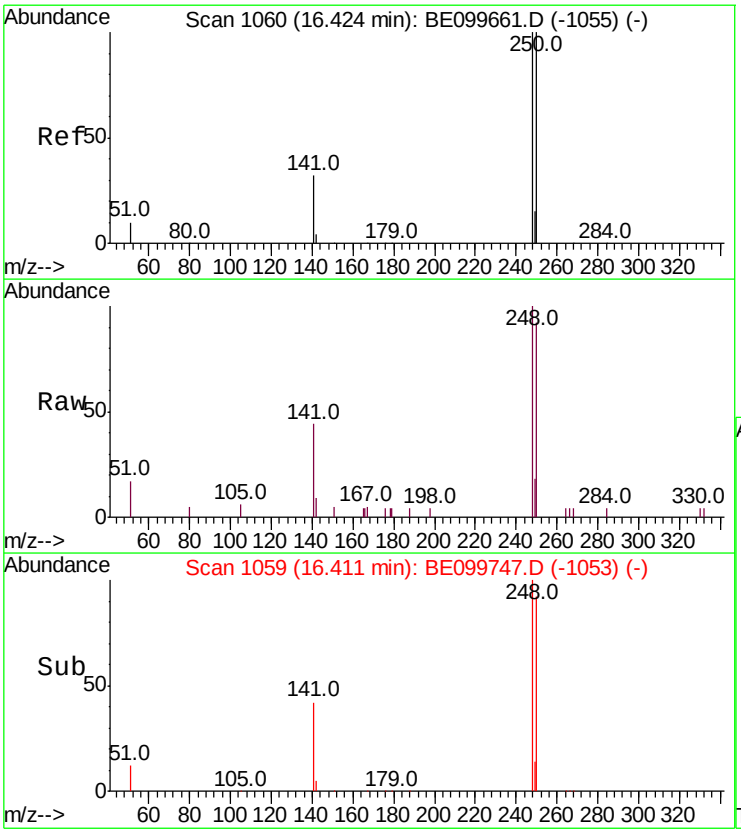
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:188 Resp: 8262

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.6	6.7	10.1#

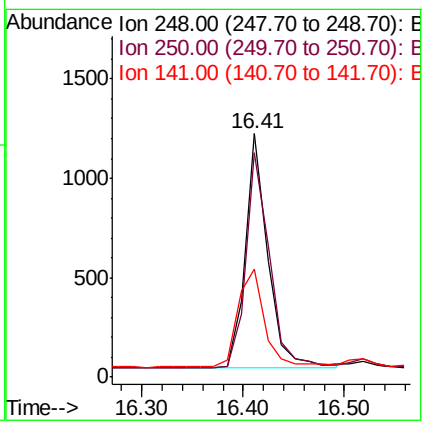


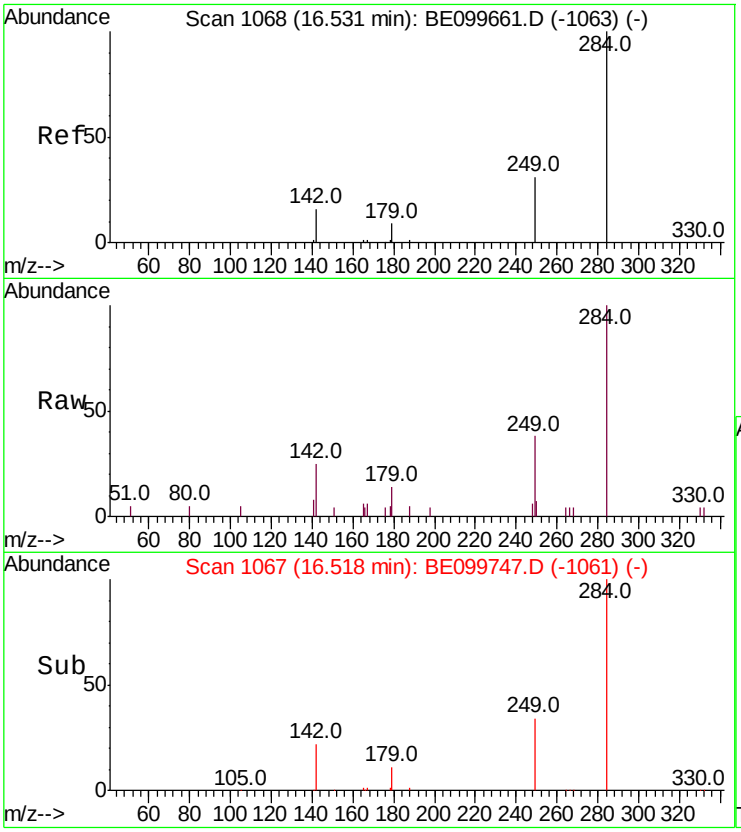


#20
4-Bromophenyl-phenylether
Concen: 0.388 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:248 Resp: 1850

Ion	Ratio	Lower	Upper
248	100		
250	92.2	79.8	119.8
141	44.4	27.0	40.6#



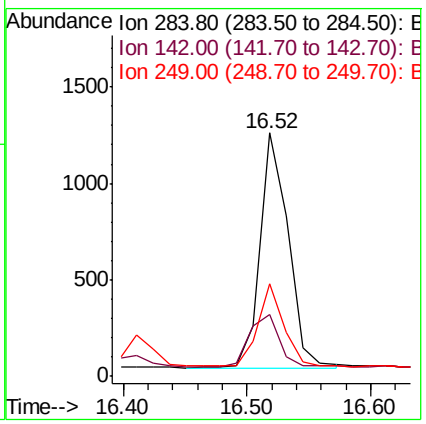


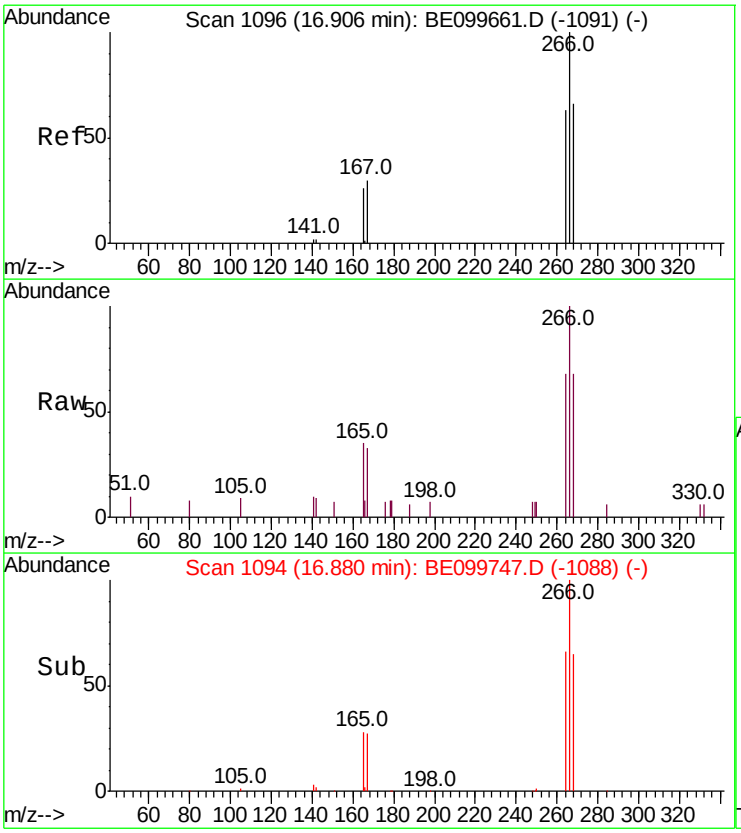
#21
Hexachlorobenzene
Concen: 0.391 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:284 Resp: 1904

Ion	Ratio	Lower	Upper
284	100		
142	23.9	17.8	26.6
249	32.4	24.8	37.2

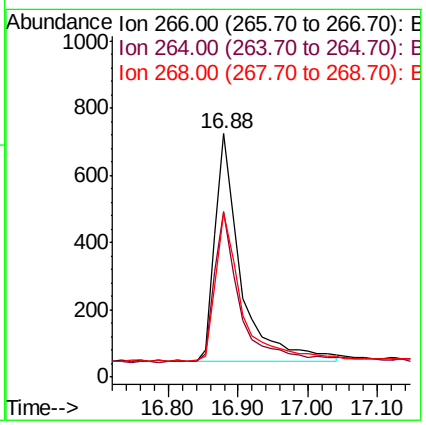


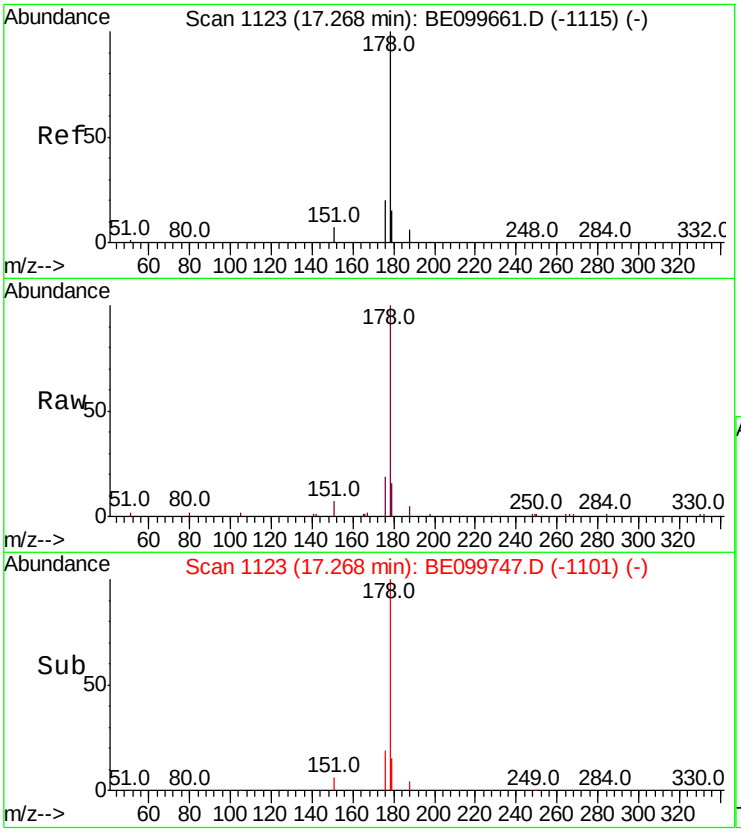


#22
Pentachlorophenol
Concen: 1.221 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:266 Resp: 1741

Ion	Ratio	Lower	Upper
266	100		
264	68.2	57.2	85.8
268	67.5	60.5	90.7



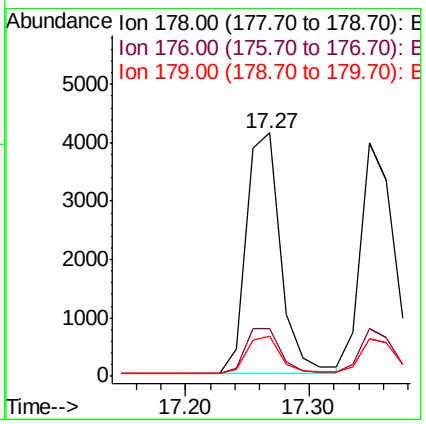


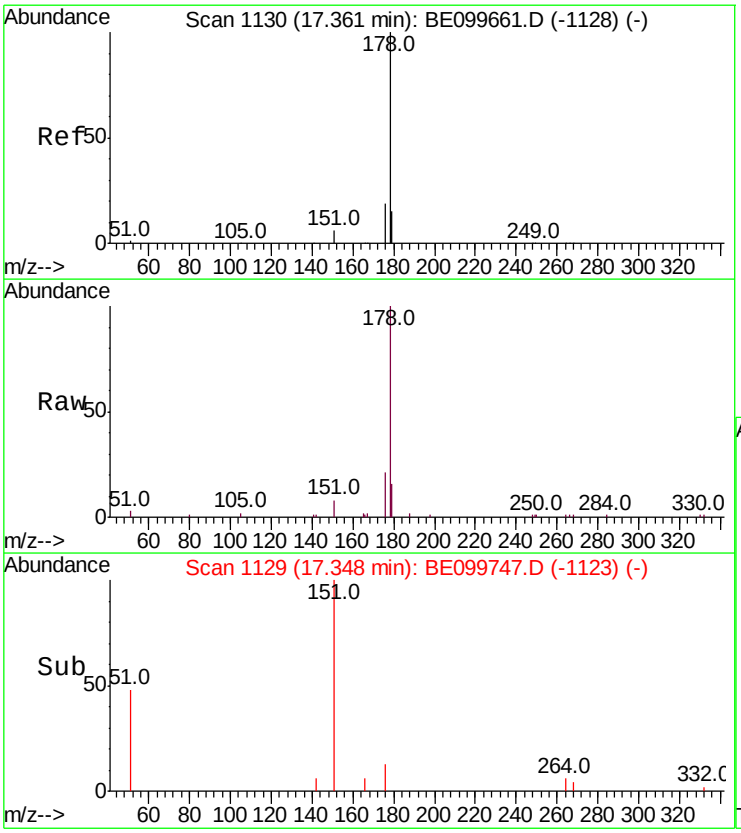
#23
Phenanthrene
Concen: 0.393 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:178 Resp: 7933

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.6	23.4
179	15.3	12.2	18.4

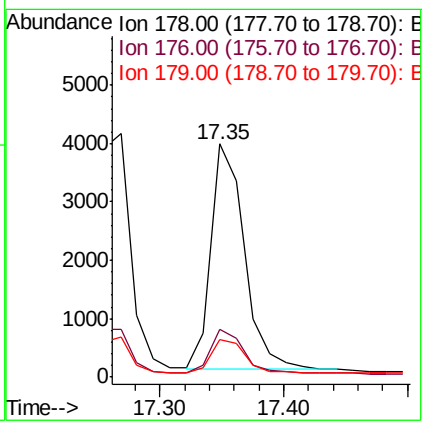


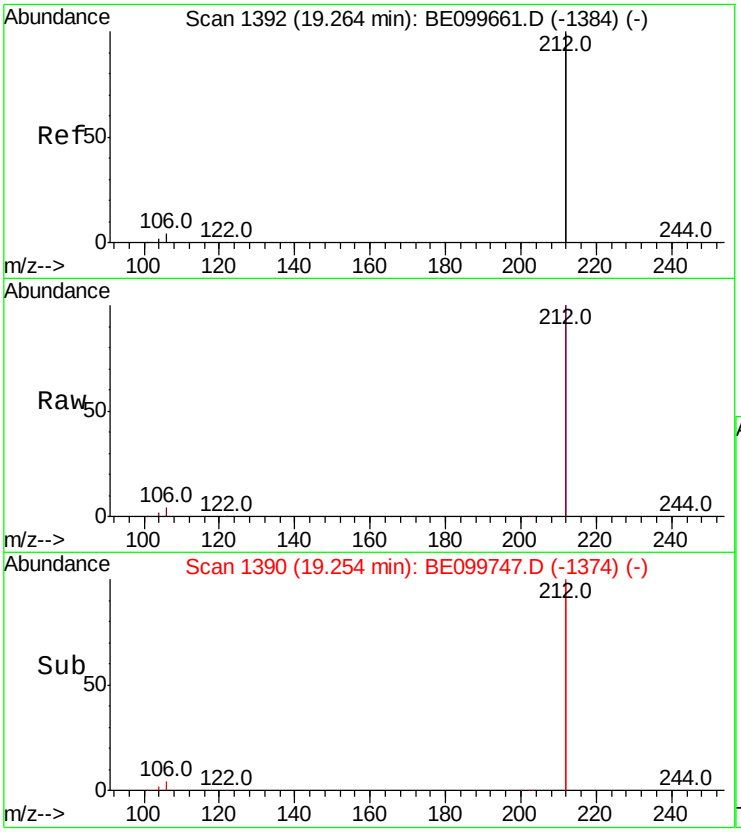


#24
Anthracene
Concen: 0.393 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:178 Resp: 7202

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.7	22.1
179	15.6	12.0	18.0



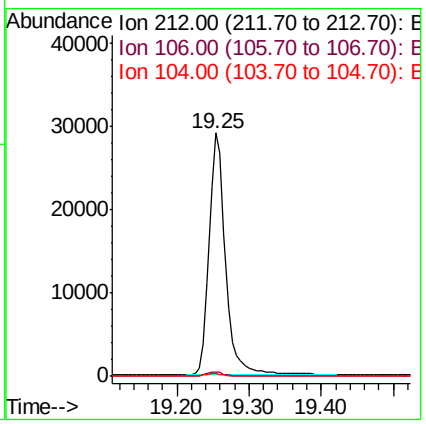


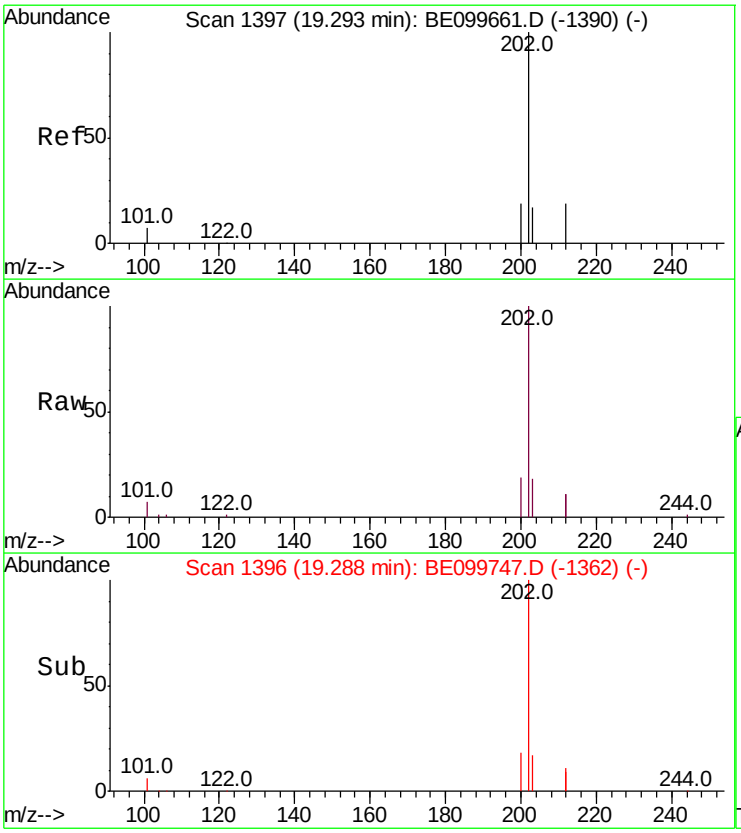
#25
Fluoranthene-d10
Concen: 0.406 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:212 Resp: 45855

Ion	Ratio	Lower	Upper
212	100		
106	1.8	1.4	2.2
104	1.1	0.8	1.2

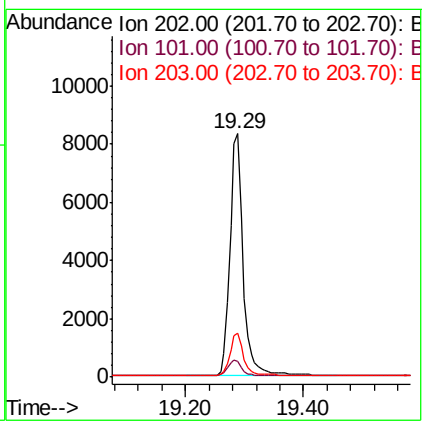


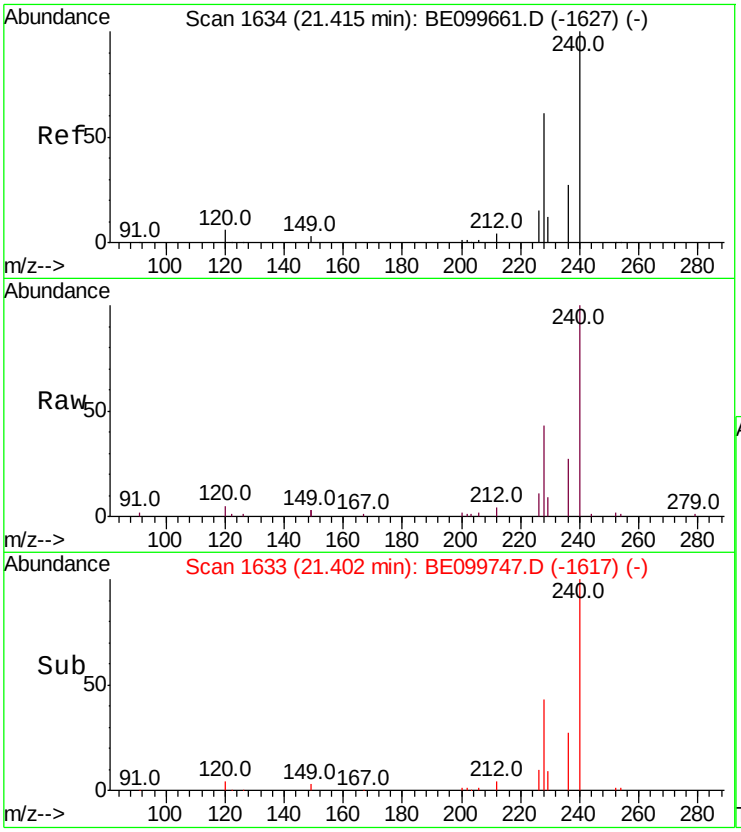


#26
Fluoranthene
Concen: 0.403 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.00 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:202 Resp: 12856

Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.2	7.8
203	17.1	13.8	20.6



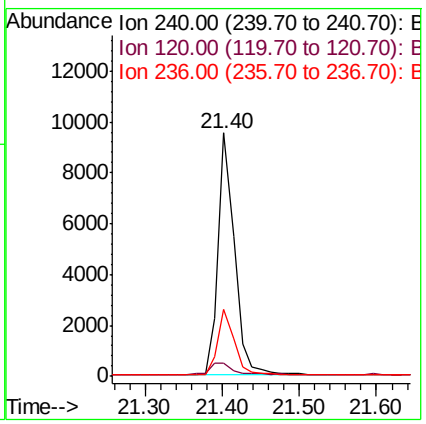


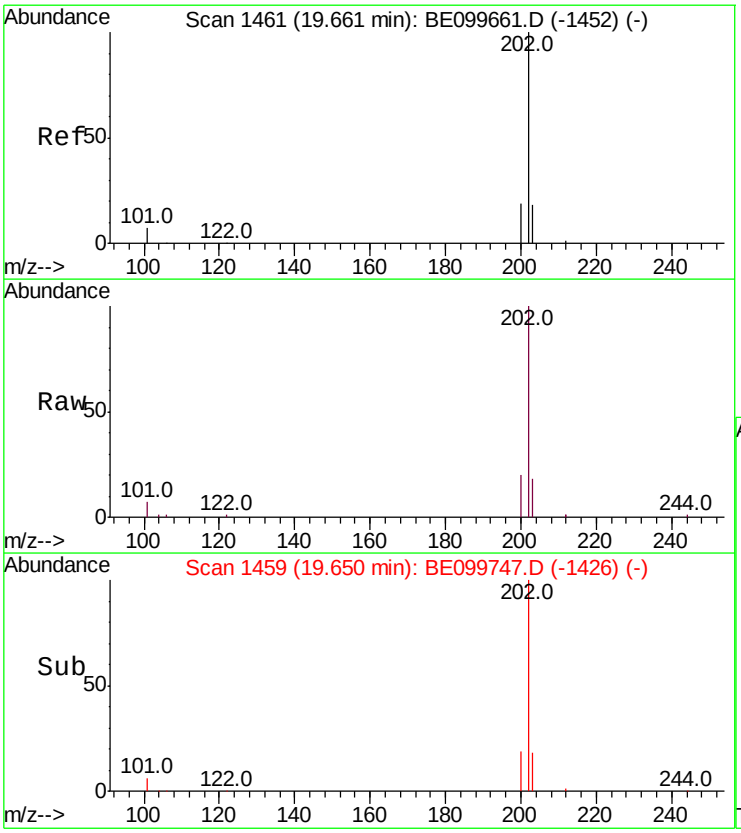
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:240 Resp: 14078

Ion	Ratio	Lower	Upper
240	100		
120	5.3	5.4	8.0#
236	27.4	21.7	32.5

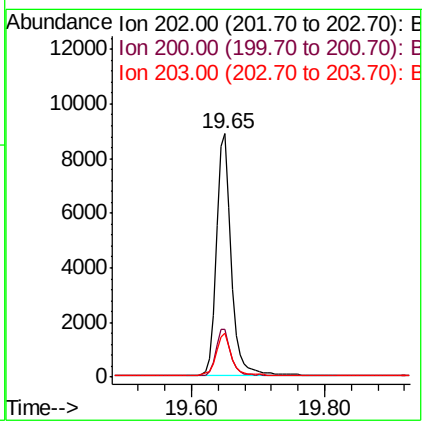


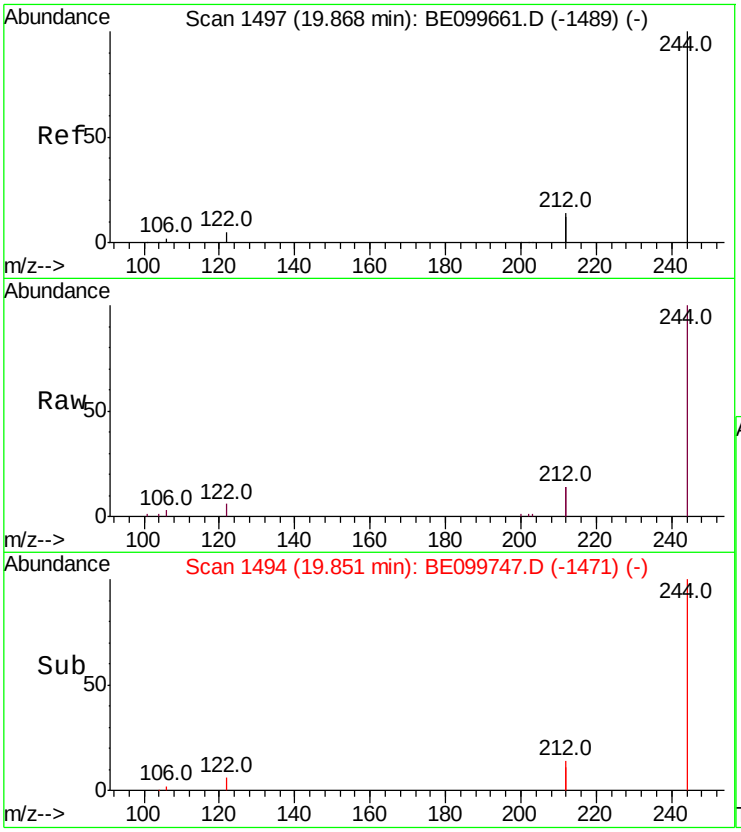


#28
Pyrene
Concen: 0.382 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:202 Resp: 13496

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.4	23.2
203	17.6	13.8	20.8



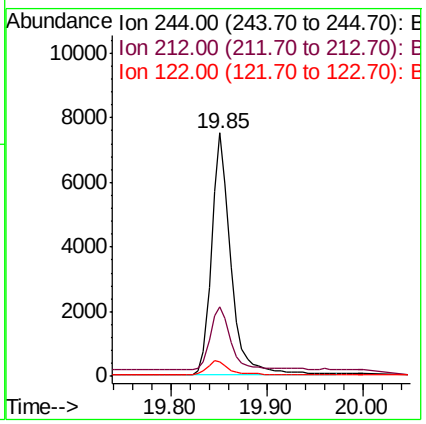


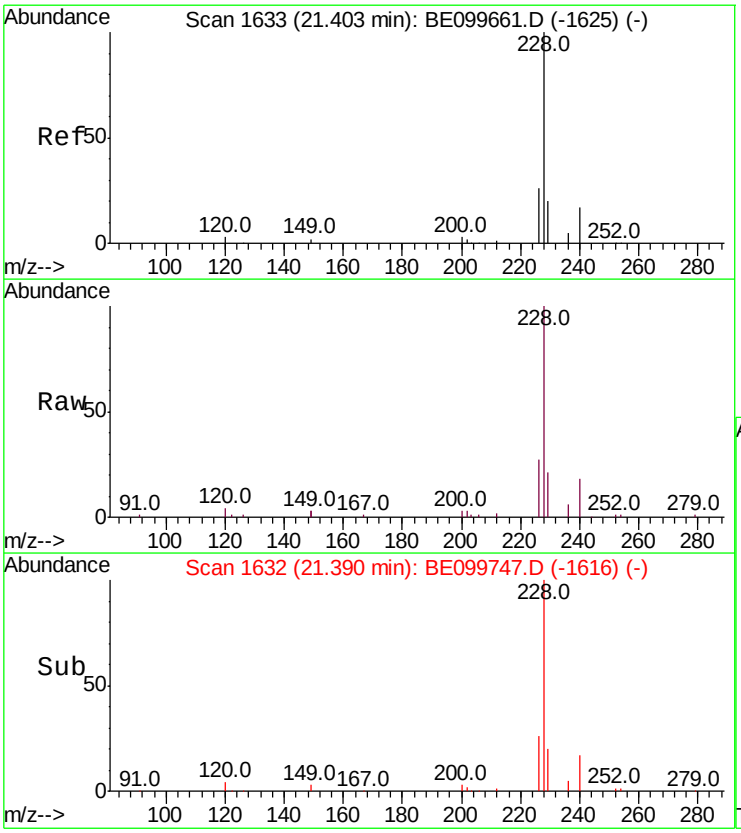
#29
Terphenyl-d14
Concen: 0.421 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:244 Resp: 10571

Ion	Ratio	Lower	Upper
244	100		
212	28.5	22.5	33.7
122	6.2	4.3	6.5

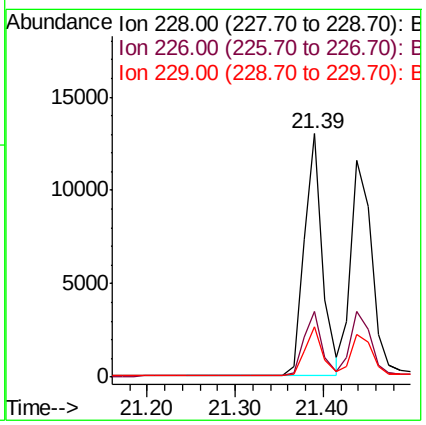


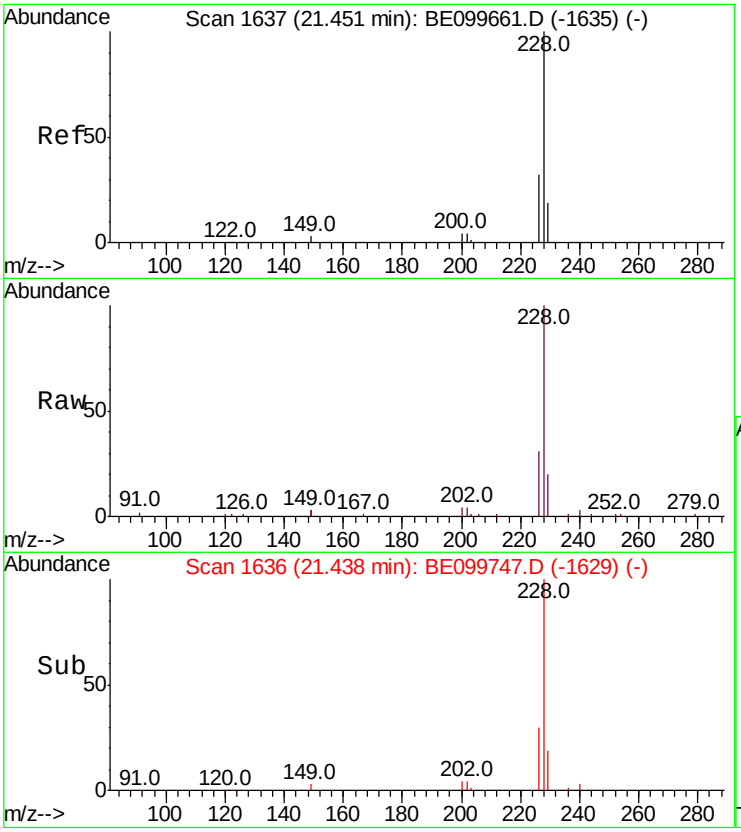


#30
Benzo(a)anthracene
Concen: 0.471 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:228 Resp: 18849

Ion	Ratio	Lower	Upper
228	100		
226	26.7	21.3	31.9
229	20.5	16.1	24.1



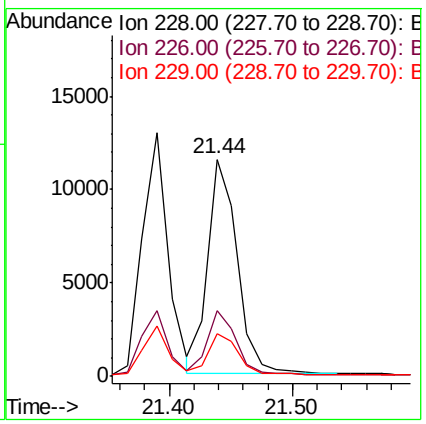


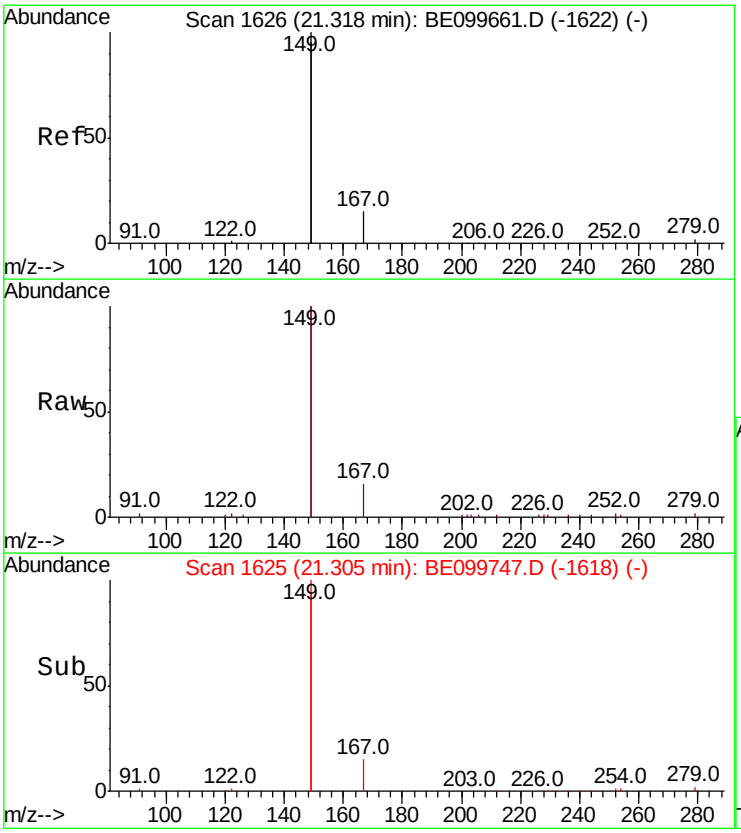
#31
Chrysene
Concen: 0.445 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:228 Resp: 19052

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.7	37.1
229	19.8	15.8	23.6

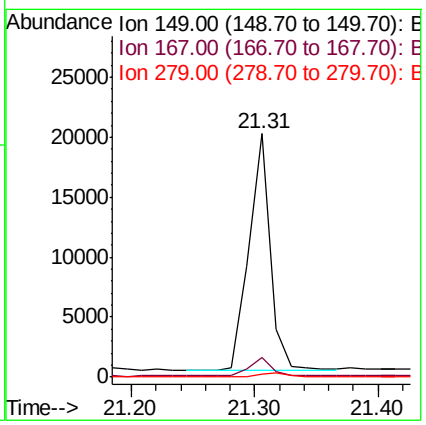


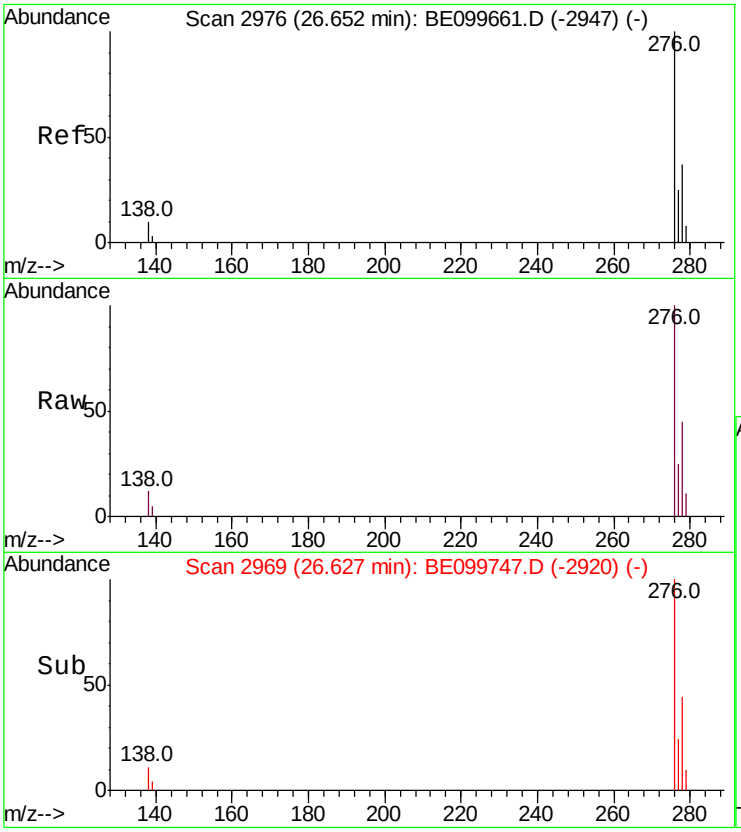


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.515 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:149 Resp: 23744

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.2	9.4
279	1.6	1.2	1.8



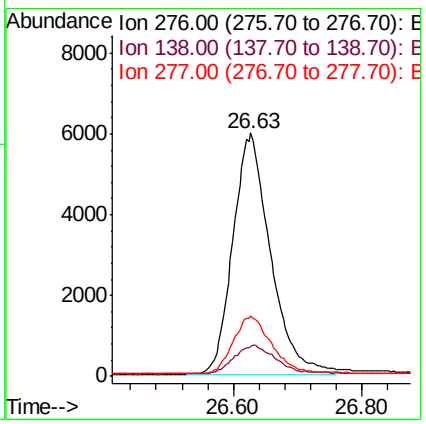


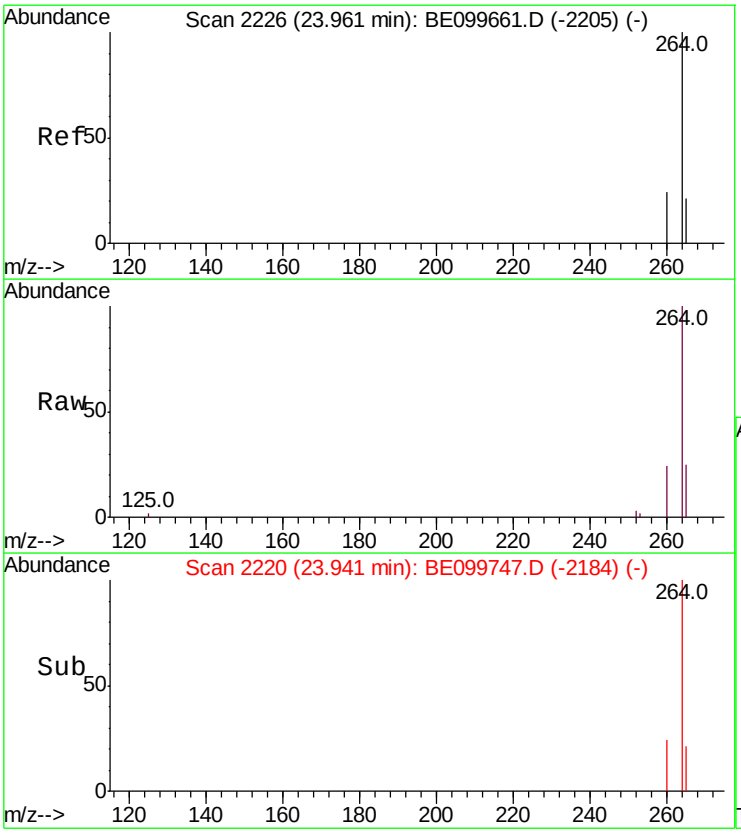
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.468 ng
RT: 26.63 min Scan# 2969
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:276 Resp: 24162

Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.6	14.4
277	24.8	19.2	28.8

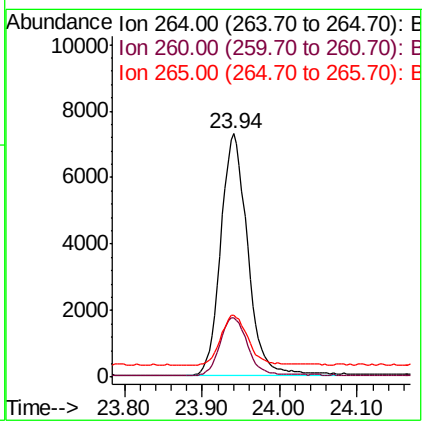


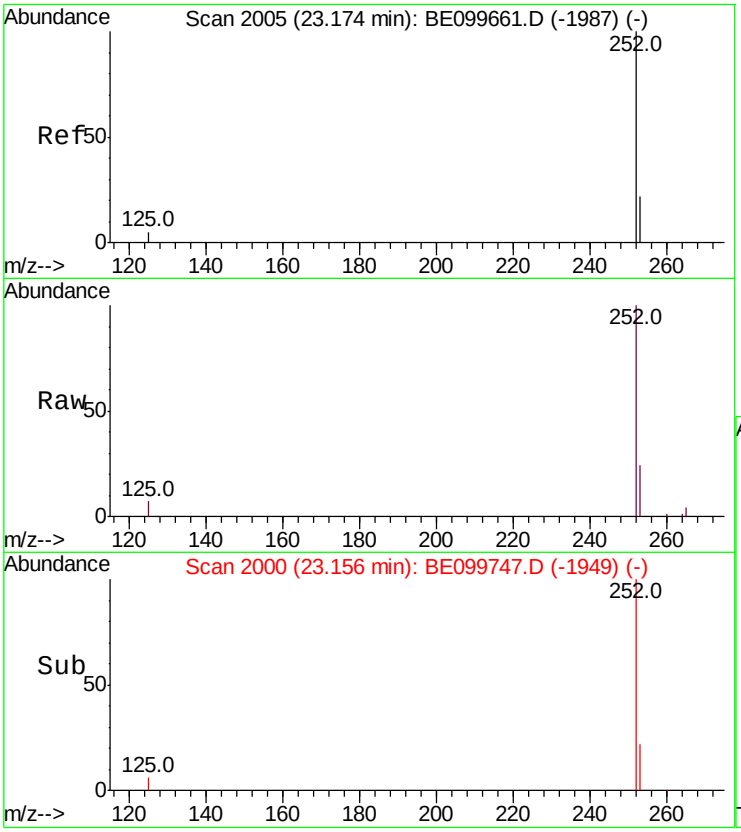


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:264 Resp: 17454

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.6	29.4
265	25.3	19.1	28.7



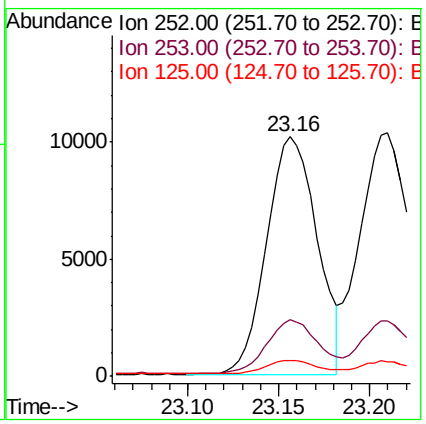


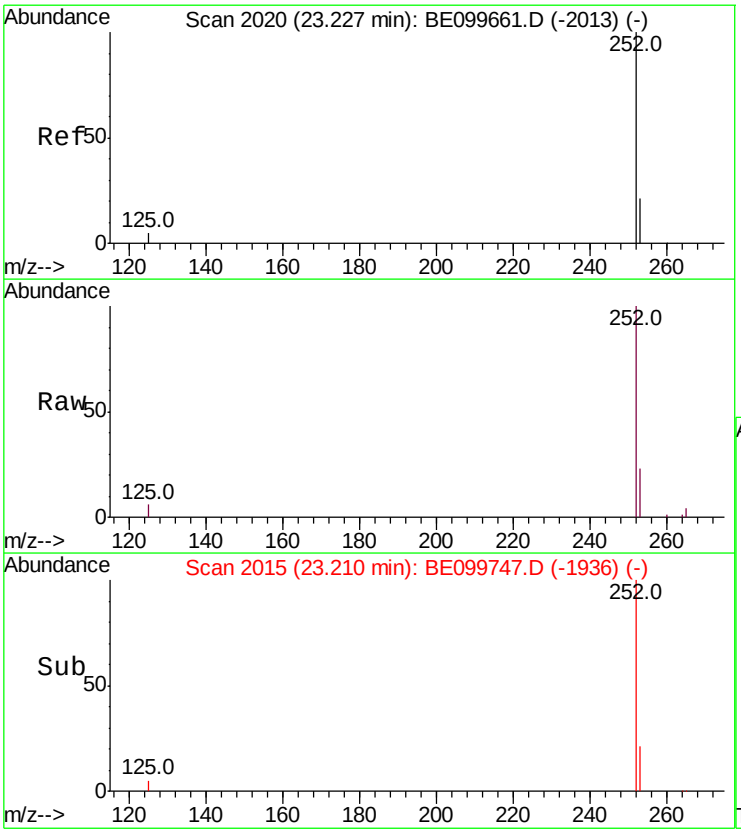
#35
Benzo(b)fluoranthene
Concen: 0.408 ng
RT: 23.16 min Scan# 2000
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:252 Resp: 19490

Ion	Ratio	Lower	Upper
252	100		
253	23.6	18.2	27.4
125	6.6	4.5	6.7

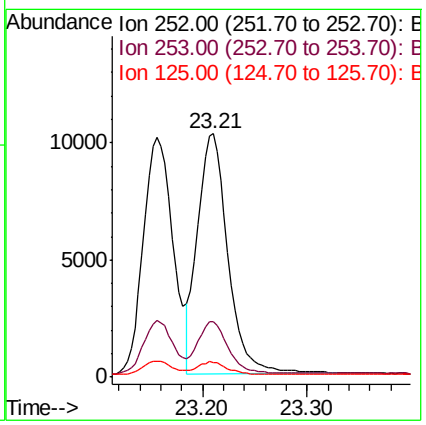


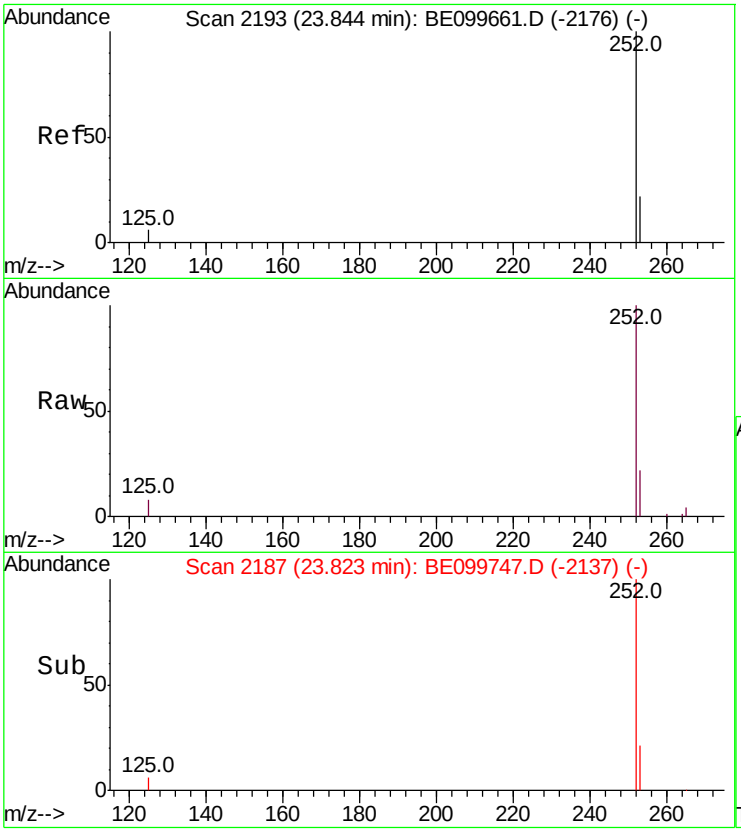


#36
Benzo(k)fluoranthene
Concen: 0.414 ng
RT: 23.21 min Scan# 2015
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:252 Resp: 20618

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	6.1	4.6	6.8



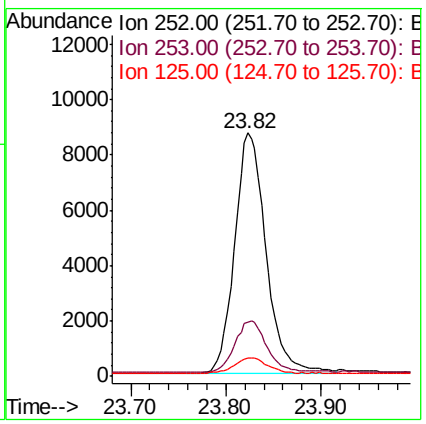


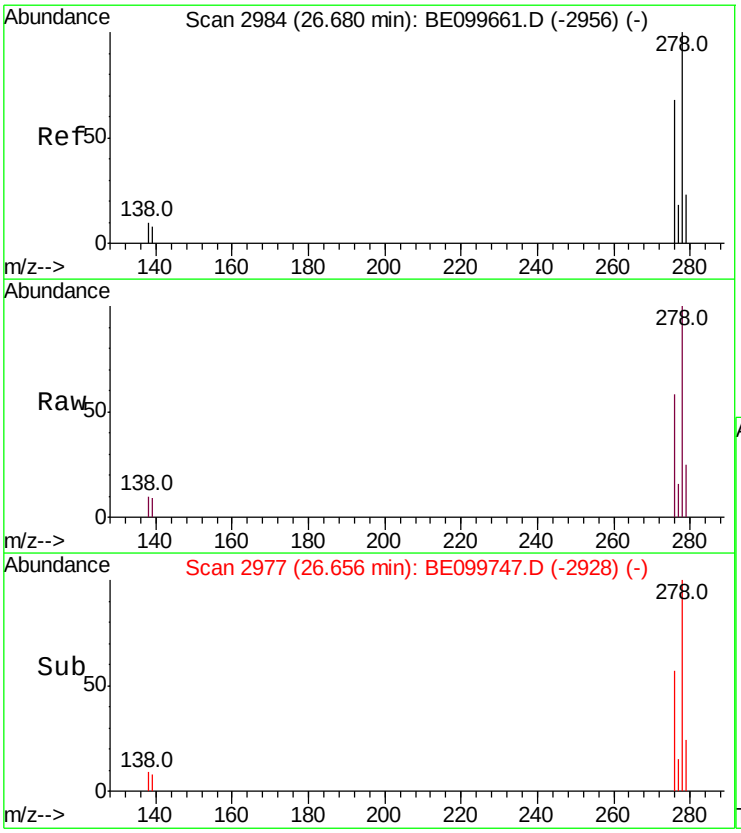
#37
Benzo(a)pyrene
Concen: 0.433 ng
RT: 23.82 min Scan# 2187
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:252 Resp: 19919

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.9	28.3
125	7.6	5.4	8.0

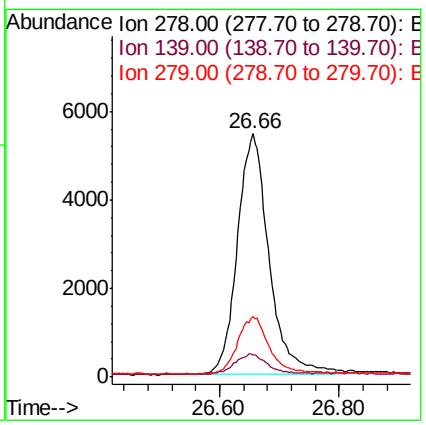


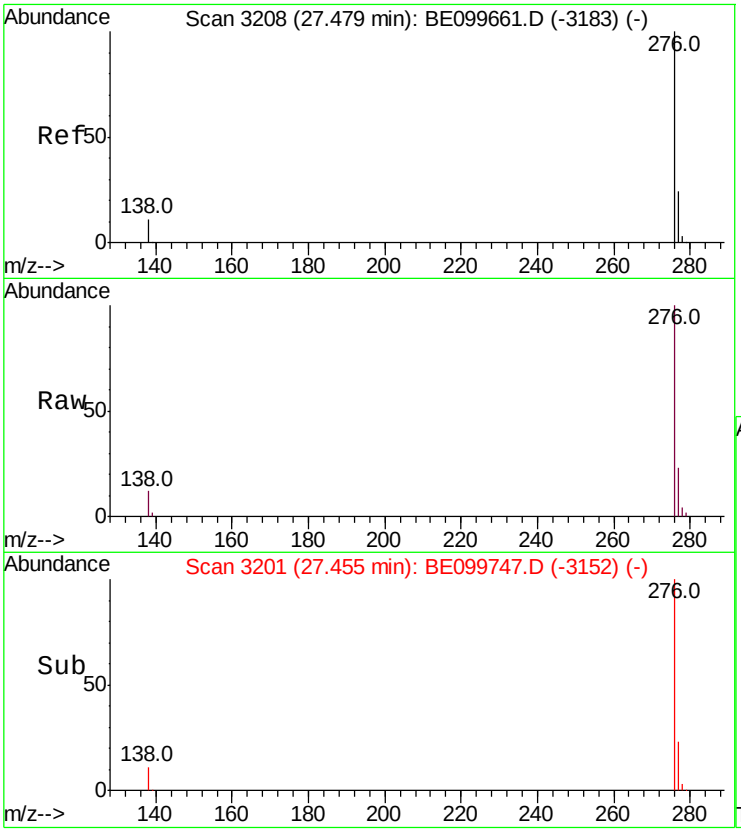


#38
Dibenzo(a,h)anthracene
Concen: 0.416 ng
RT: 26.66 min Scan# 2977
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Tgt Ion:278 Resp: 20082

Ion	Ratio	Lower	Upper
278	100		
139	9.1	6.9	10.3
279	24.8	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.423 ng
RT: 27.45 min Scan# 3201
Delta R.T. -0.02 min
Lab File: BE099747.D
Acq: 24 May 2019 17:57

Instrument :
BNA_E
ClientSampleId :
PB120039BS

Tgt Ion:276 Resp: 20655

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.8	29.6
138	11.9	9.2	13.8