Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099737.D
Acq On : 24 May 2019 11:59
Operator : JU/SJ
Sample : PB119877BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId :

Quant Time: May 24 21:33:02 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	1703	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	5742	0.40	ng		-0.01
13) Acenaphthene-d10	14.47	164	3868	0.40	ng		-0.01
19) Phenanthrene-d10	17.23	188	11018	0.40	ng		0.00
27) Chrysene-d12	21.40	240	16875	0.40	ng		-0.01
34) Perylene-d12	23.94	264	21362	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1581	0.37	ng		0.00
5) Phenol-d6	6.96	99	2093	0.37	ng		-0.01
8) Nitrobenzene-d5	8.96	82	1803	0.36	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	4640	0.47	ng		-0.01
14) 2,4,6-Tribromophenol	15.97	330	769	0.39	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	5069	0.35	ng		0.00
25) Fluoranthene-d10	19.26	212	49427	0.33	ng		0.00
29) Terphenyl-d14	19.86	244	10825	0.36	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	815	0.323	ng	#	59
3) n-Nitrosodimethylamine	3.60	42	553	0.397	ng	#	96
6) bis(2-Chloroethyl)ether	7.23	93	1775	0.350	ng		95
9) Naphthalene	10.65	128	21968	0.358	ng		100
10) Hexachlorobutadiene	10.94	225	1552	0.343	ng		99
12) 2-Methylnaphthalene	12.28	142	3574	0.357	ng		98
16) Acenaphthylene	14.20	152	6248	0.347	ng		99
17) Acenaphthene	14.54	154	3523	0.348	ng		100
18) Fluorene	15.51	166	5050	0.339	ng		99
20) 4-Bromophenyl-phenylether	16.41	248	2197	0.346	ng	#	87
21) Hexachlorobenzene	16.52	284	2231	0.343	ng		99
22) Pentachlorophenol	16.89	266	700	0.525	ng		95
23) Phenanthrene	17.27	178	9340	0.347	ng		99
24) Anthracene	17.36	178	8666	0.355	ng		99
26) Fluoranthene	19.29	202	14543	0.342	ng		99
28) Pyrene	19.65	202	15095	0.356	ng		99
30) Benzo(a)anthracene	21.39	228	20064	0.418	ng		100
31) Chrysene	21.44	228	20090	0.392	ng		99
32) Bis(2-ethylhexyl)phthalate	21.31	149	26630	0.482	ng		99
33) Indeno(1,2,3-cd)pyrene	26.63	276	27070	0.437	ng		99
35) Benzo(b)fluoranthene	23.21	252	23069	0.394	ng		99
36) Benzo(k)fluoranthene	23.21	252	23218	0.380	ng		100
37) Benzo(a)pyrene	23.83	252	21683	0.385	ng	#	98
38) Dibenzo(a,h)anthracene	26.66	278	22373	0.378	ng	#	98
39) Benzo(g,h,i)perylene	27.46	276	22751	0.381	ng		99

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

Quantitation Report (Not Reviewed)

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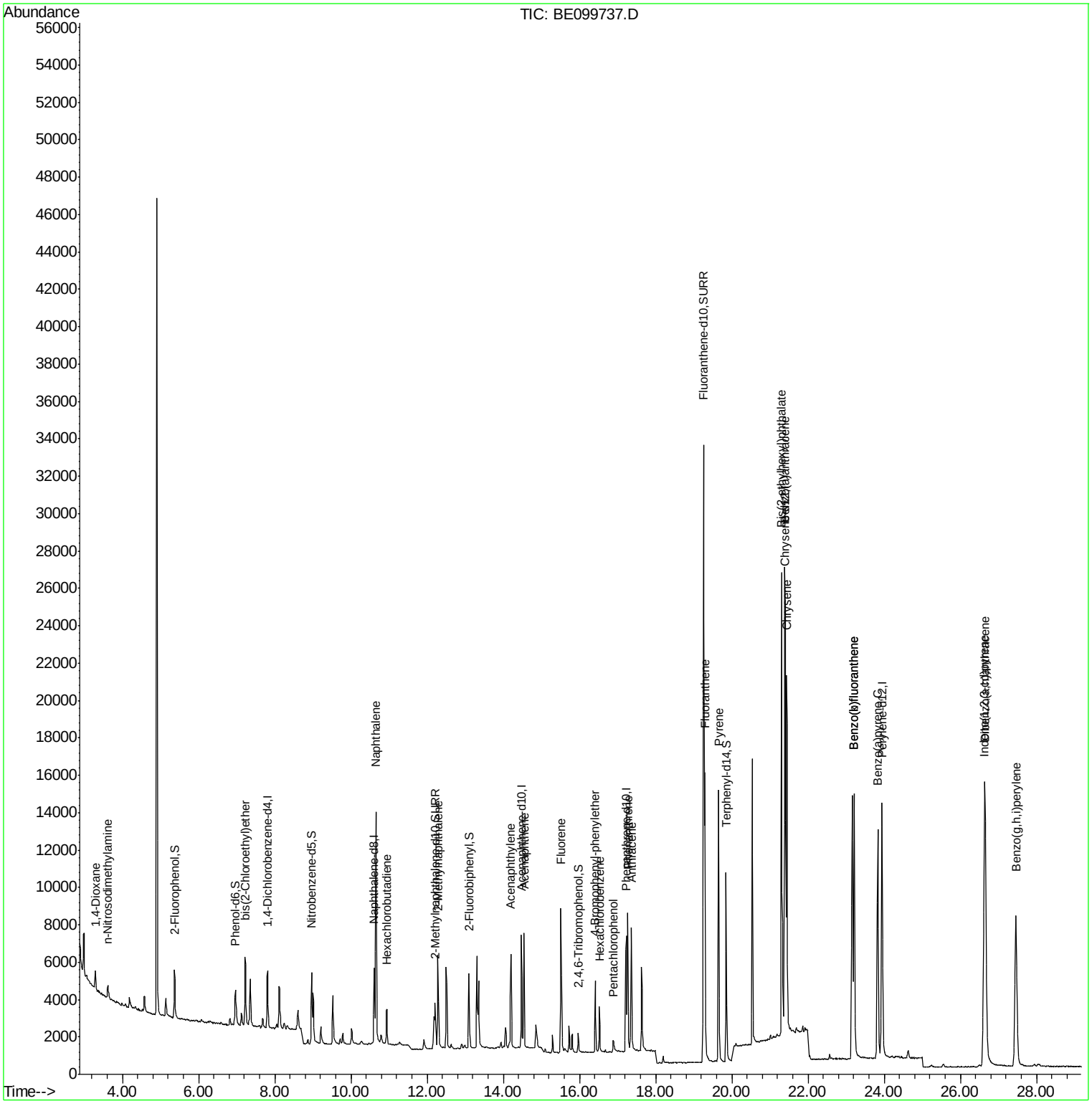
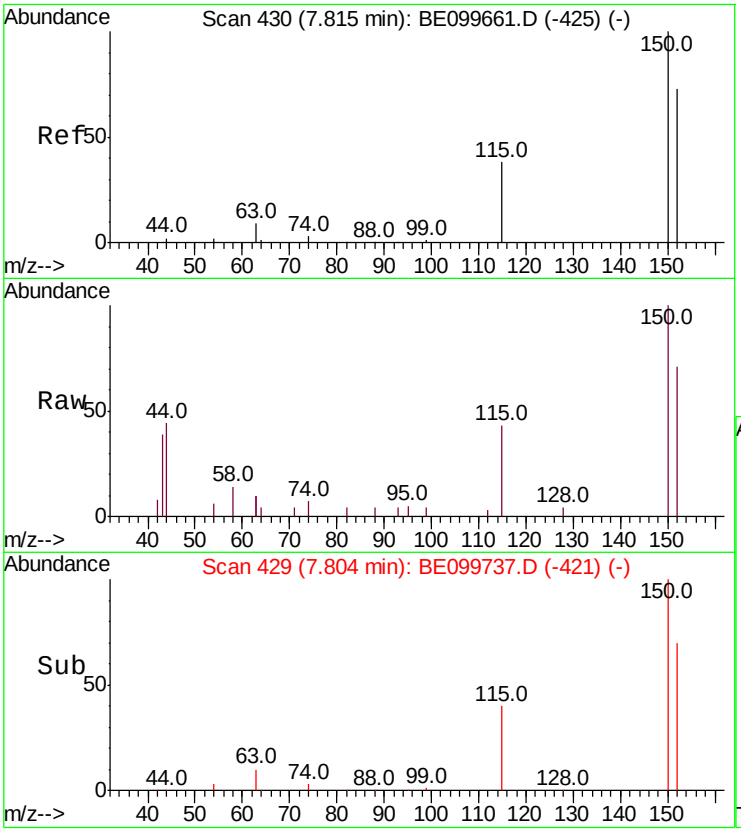
Acq On : 24 May 2019 11:59
Operator : JU/SJ
Sample : PB119877BS
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :

Quant Time: May 24 21:33:02 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



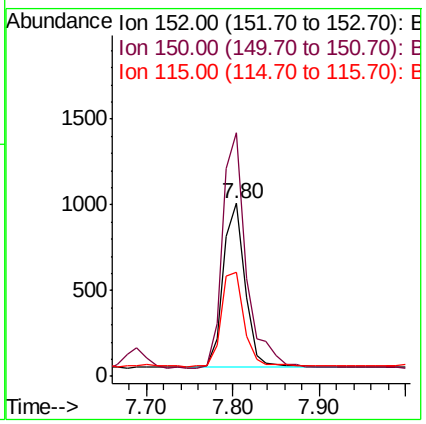


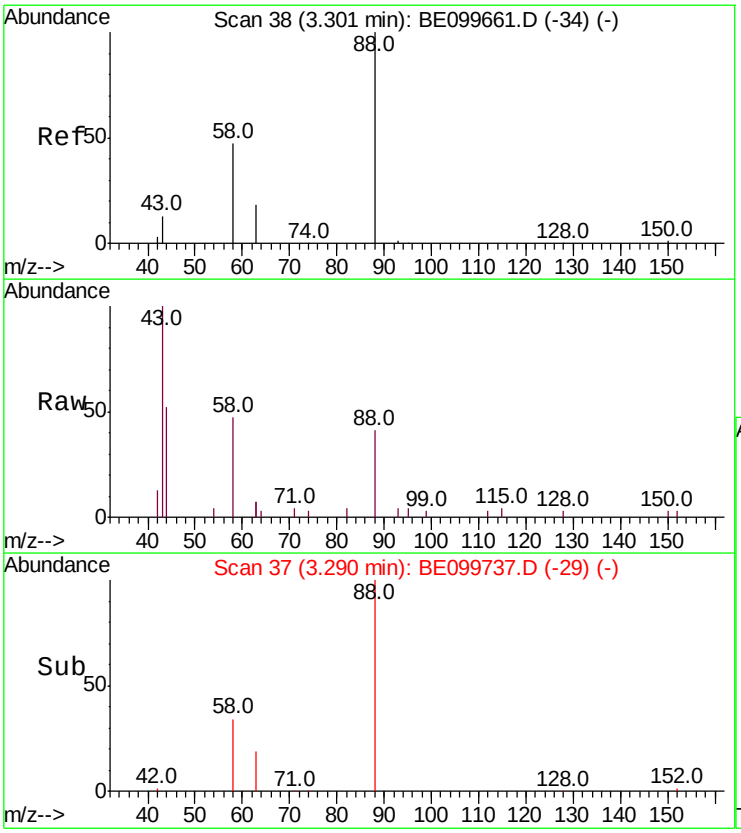
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 1703

Ion	Ratio	Lower	Upper
152	100		
150	141.1	109.2	163.8
115	60.2	43.7	65.5

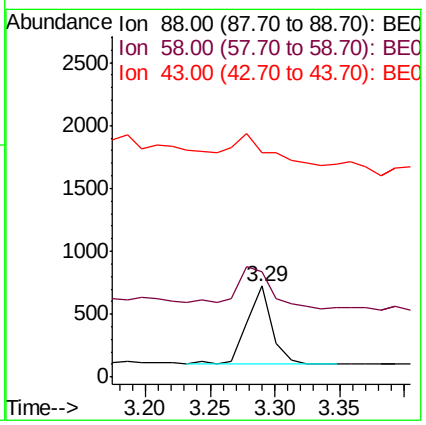


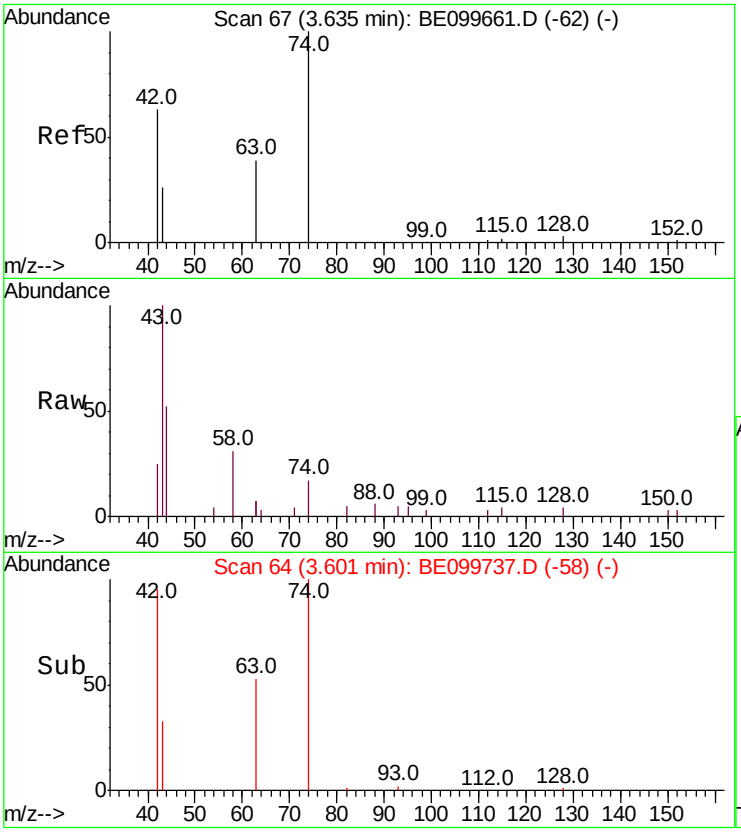


#2
1,4-Dioxane
Concen: 0.323 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion: 88 Resp: 815

Ion	Ratio	Lower	Upper
88	100		
58	71.4	41.8	62.8#
43	54.5	15.0	22.4#



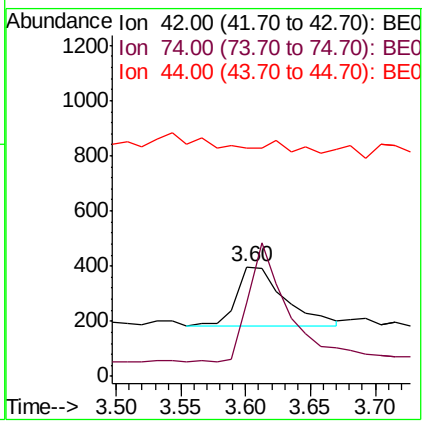


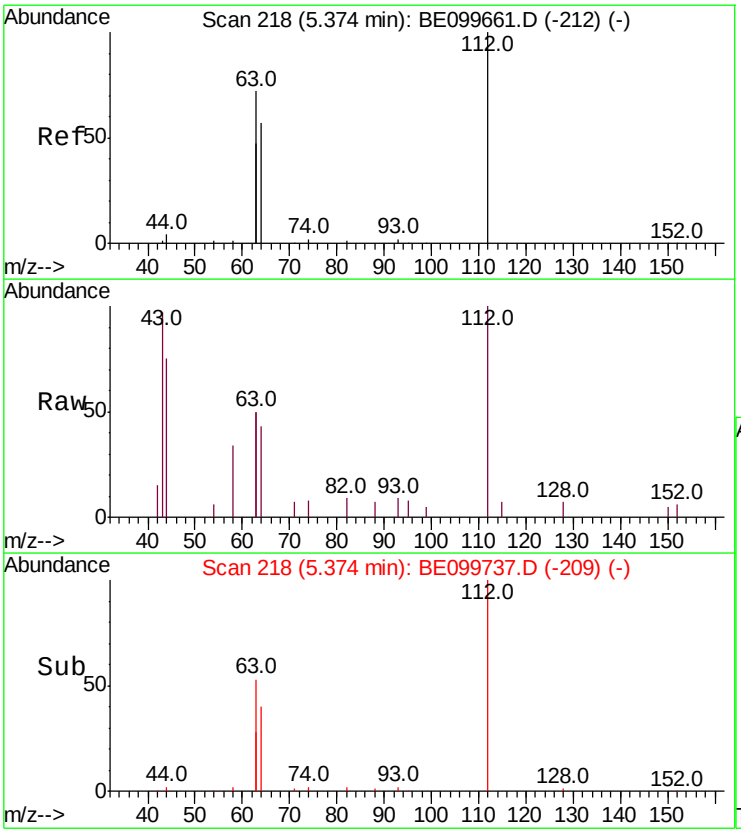
#3
n-Nitrosodimethylamine
Concen: 0.397 ng
RT: 3.60 min Scan# 64
Delta R.T. -0.03 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 42 Resp: 553

Ion	Ratio	Lower	Upper
42	100		
74	167.1	129.2	193.8
44	0.0	0.0	0.0

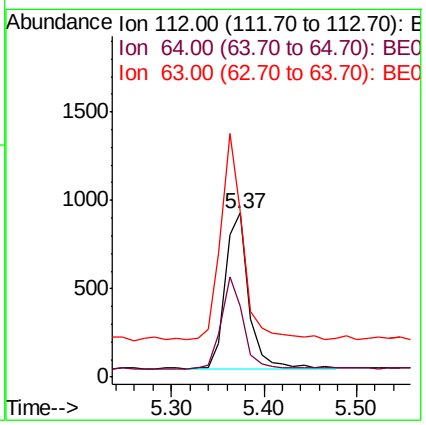


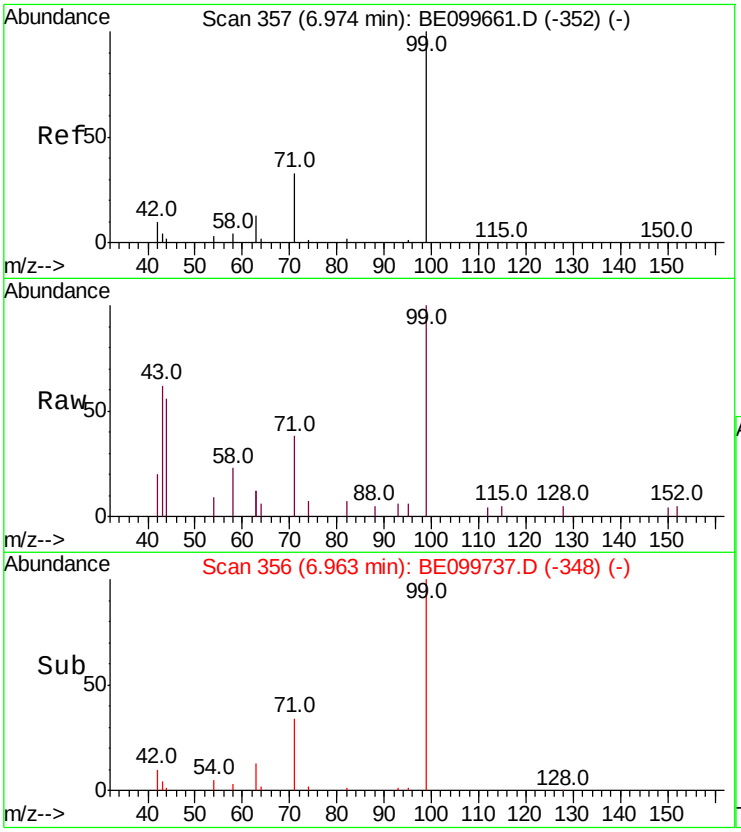


#4
2-Fluorophenol
Concen: 0.367 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:112 Resp: 1581

Ion	Ratio	Lower	Upper
112	100		
64	53.5	43.4	65.2
63	121.1	96.9	145.3



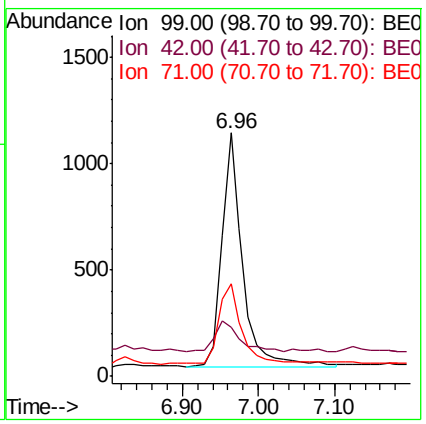


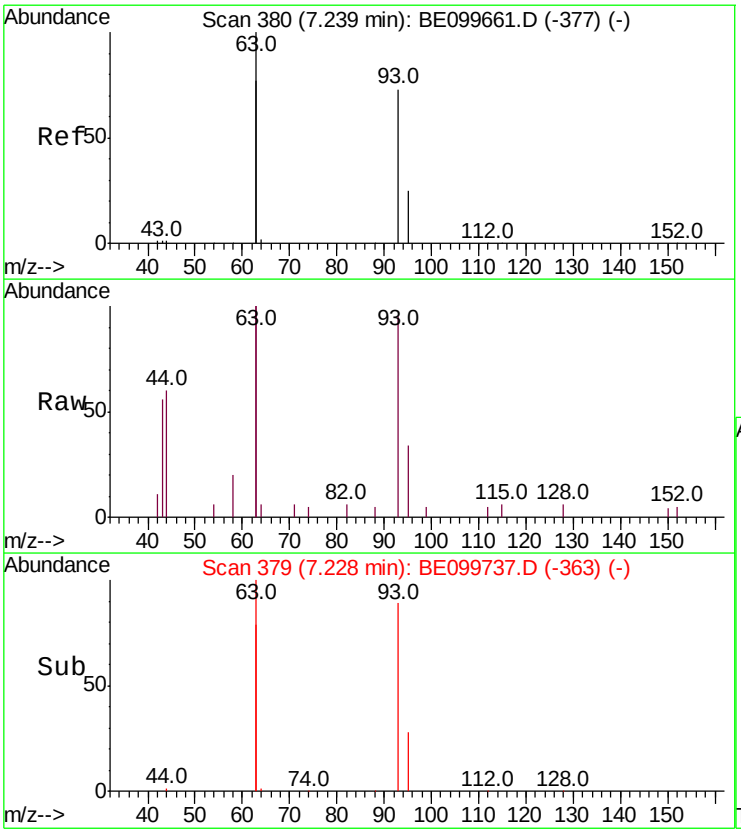
#5
Phenol-d6
Concen: 0.367 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion: 99 Resp: 2093

Ion	Ratio	Lower	Upper
99	100		
42	15.1	12.2	18.2
71	37.2	28.9	43.3

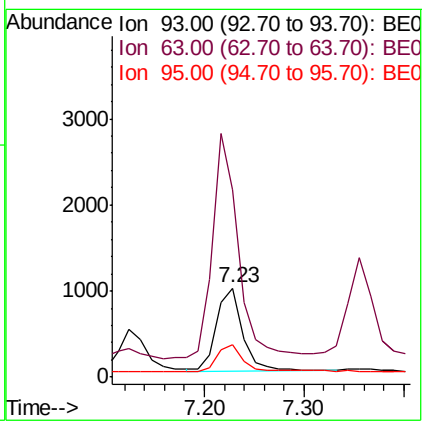


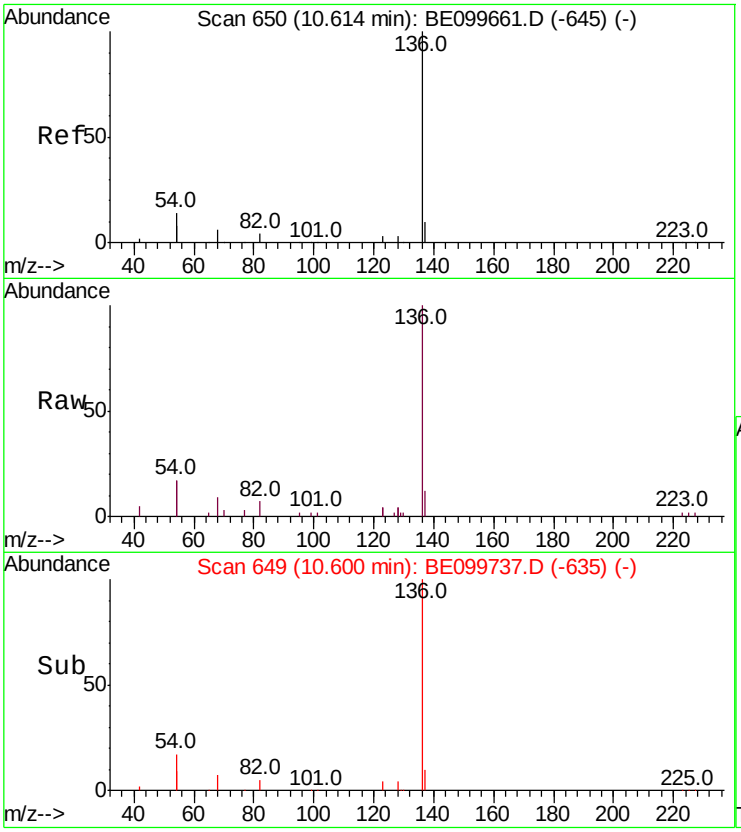


#6
bis(2-Chloroethyl)ether
Concen: 0.350 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion: 93 Resp: 1775

Ion	Ratio	Lower	Upper
93	100		
63	268.1	207.8	311.6
95	36.1	25.9	38.9



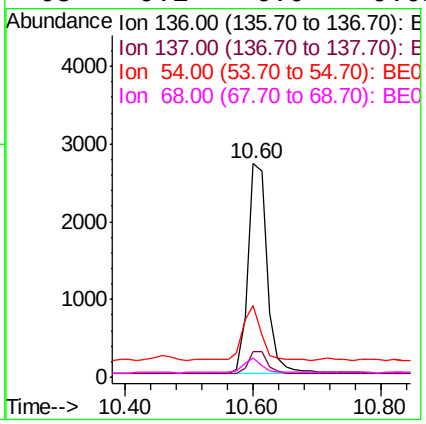


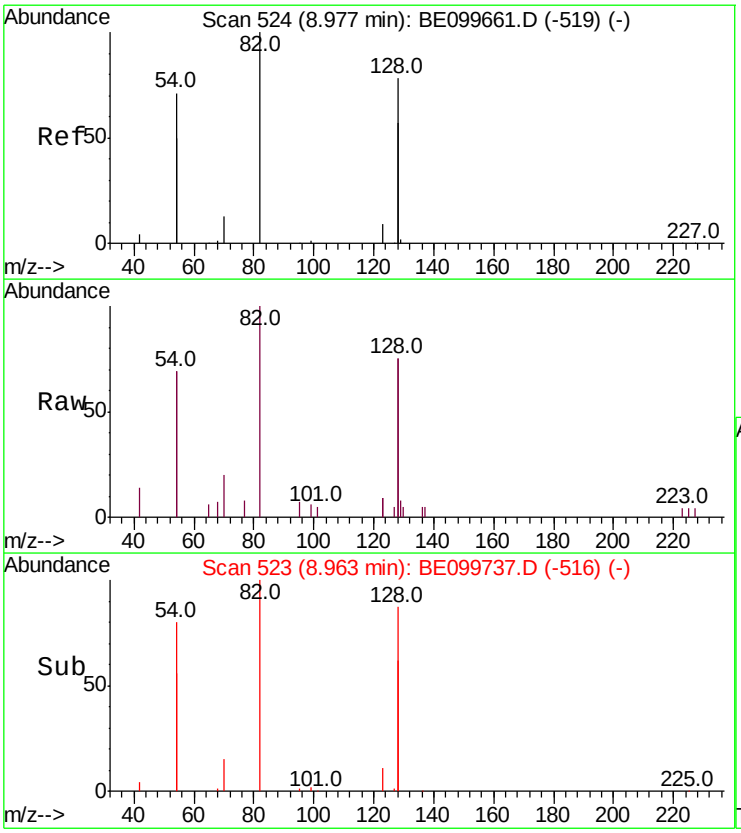
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:136 Resp: 5742

Ion	Ratio	Lower	Upper
136	100		
137	11.8	9.0	13.6
54	33.3	22.3	33.5
68	9.1	6.0	9.0#

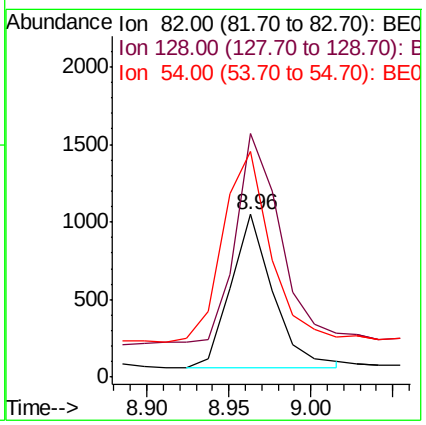


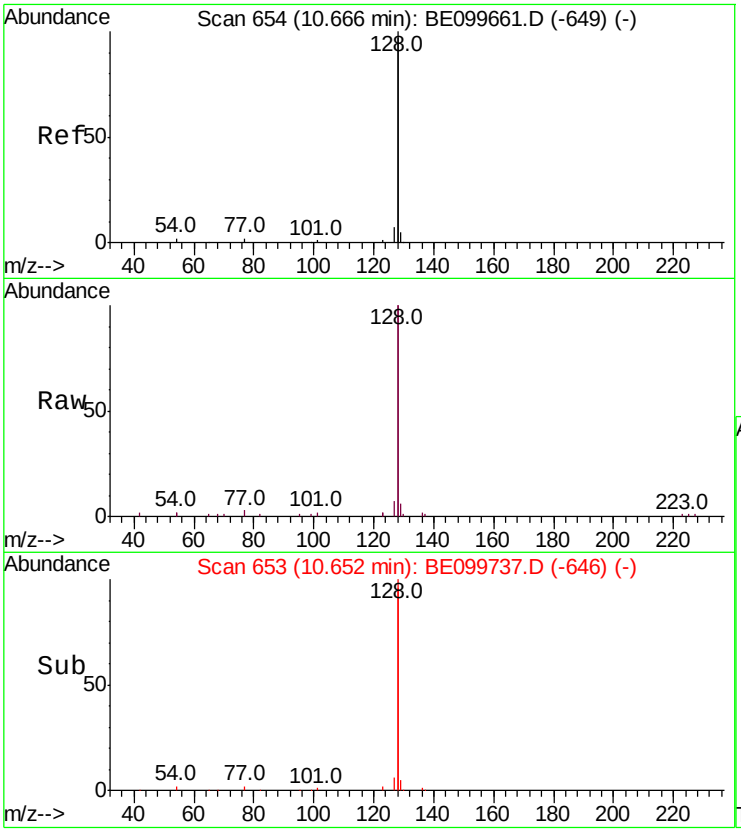


#8
Nitrobenzene-d5
Concen: 0.363 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion: 82 Resp: 1803

Ion	Ratio	Lower	Upper
82	100		
128	149.7	117.7	176.5
54	138.6	106.6	160.0



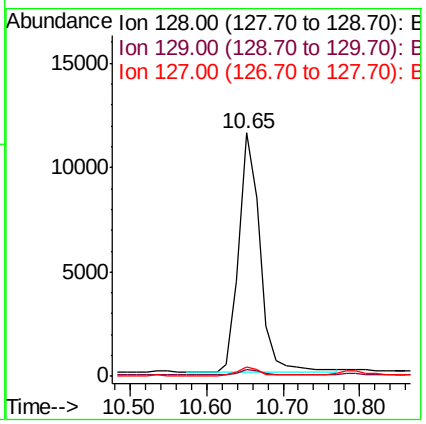


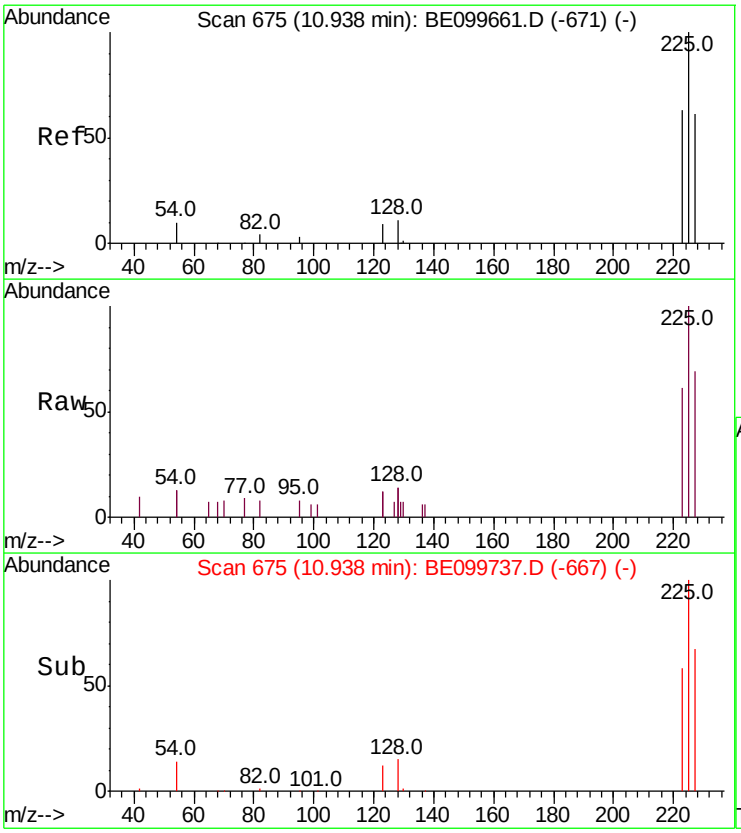
#9
Naphthalene
Concen: 0.358 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:128 Resp: 21968

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

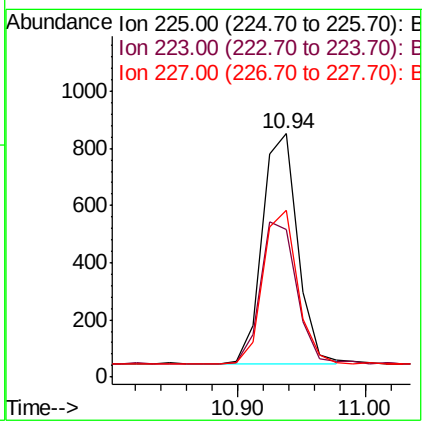


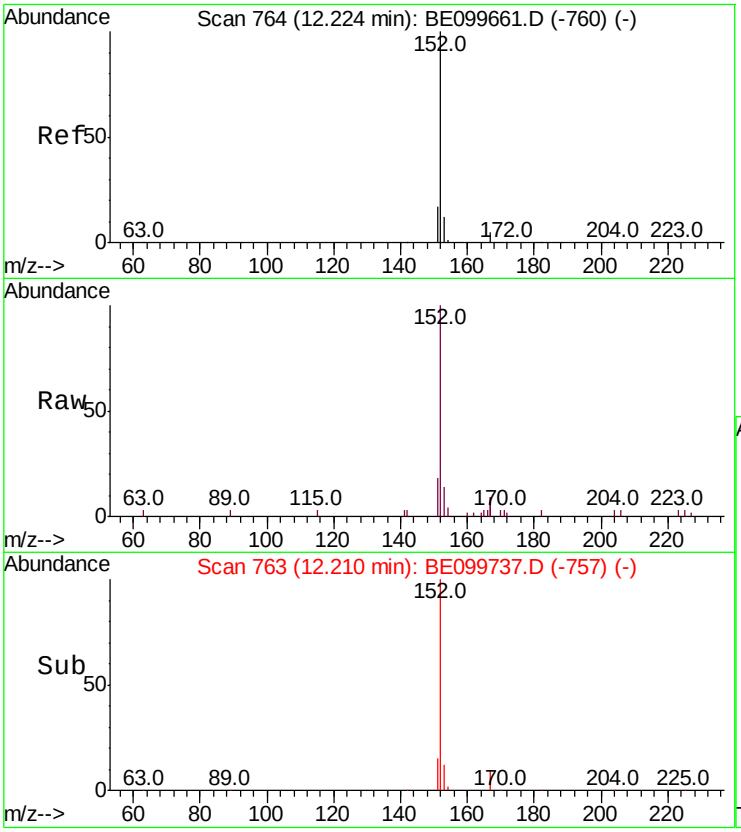


#10
Hexachlorobutadiene
Concen: 0.343 ng
RT: 10.94 min Scan# 675
Delta R.T. -0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:225 Resp: 1552

Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.8	77.6
227	65.6	52.6	79.0



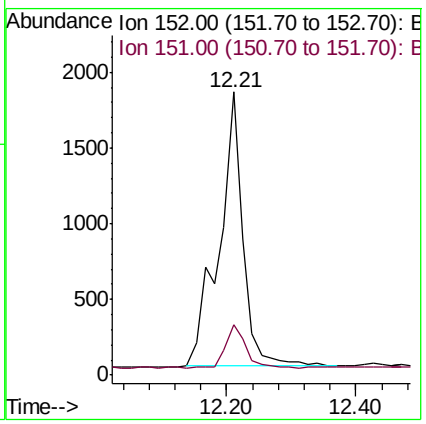


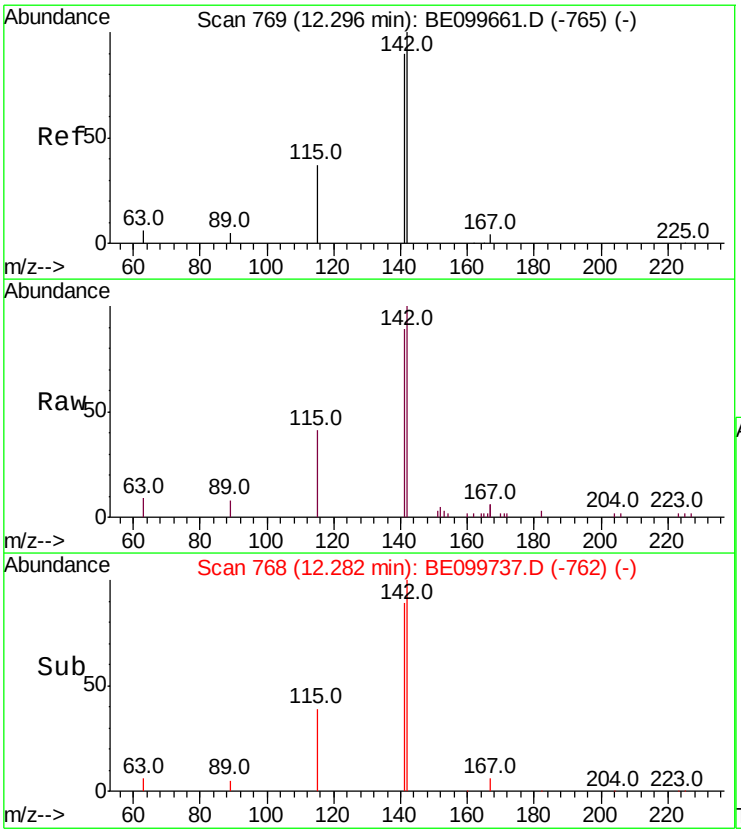
#11
2-Methylnaphthalene-d10
Concen: 0.468 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:152 Resp: 4640

Ion	Ratio	Lower	Upper
152	100		
151	13.6	15.0	22.4#

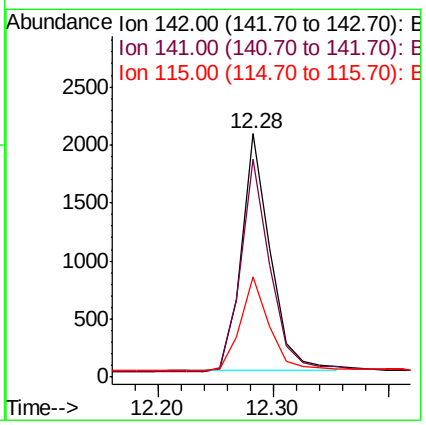


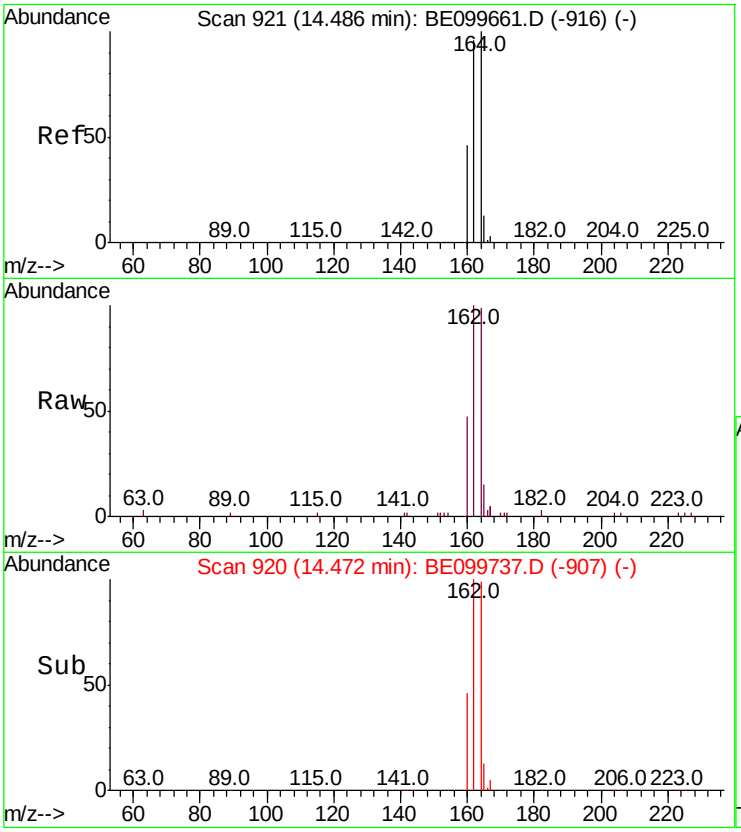


#12
2-Methylnaphthalene
Concen: 0.357 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:142 Resp: 3574

Ion	Ratio	Lower	Upper
142	100		
141	89.4	72.0	108.0
115	41.2	31.0	46.4



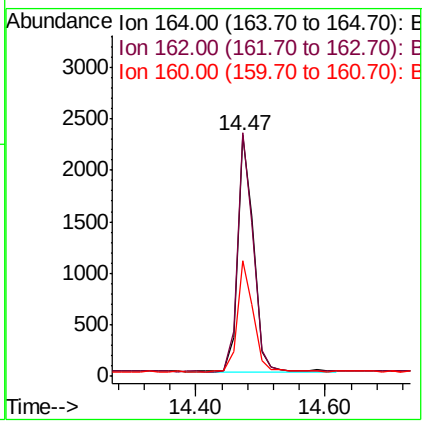


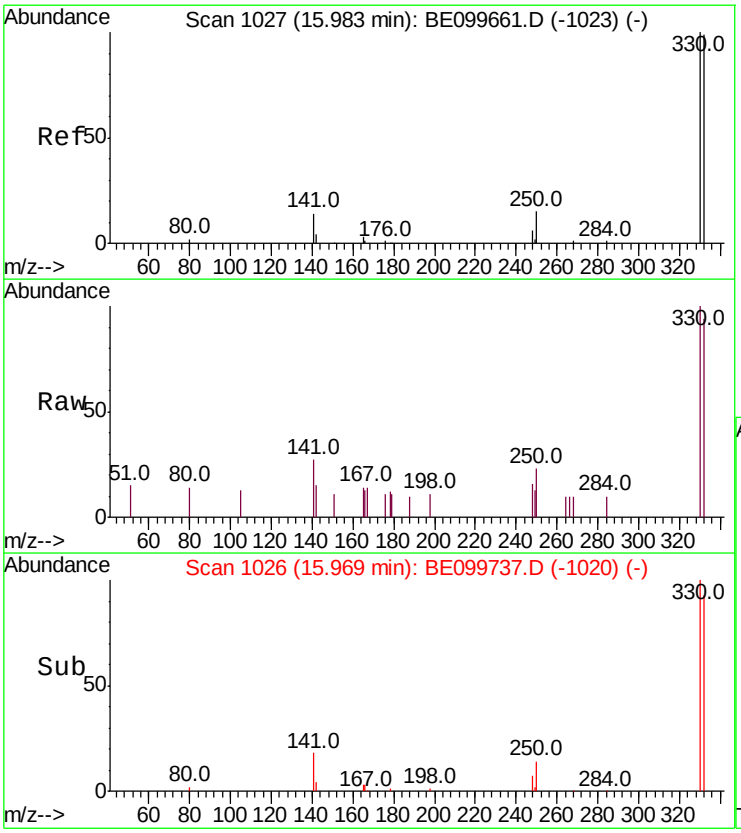
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:164 Resp: 3868

Ion	Ratio	Lower	Upper
164	100		
162	101.0	76.5	114.7
160	47.7	37.4	56.2

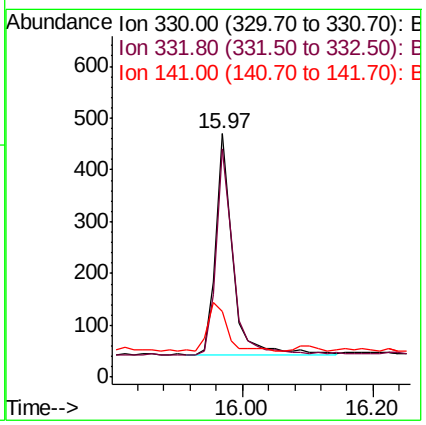


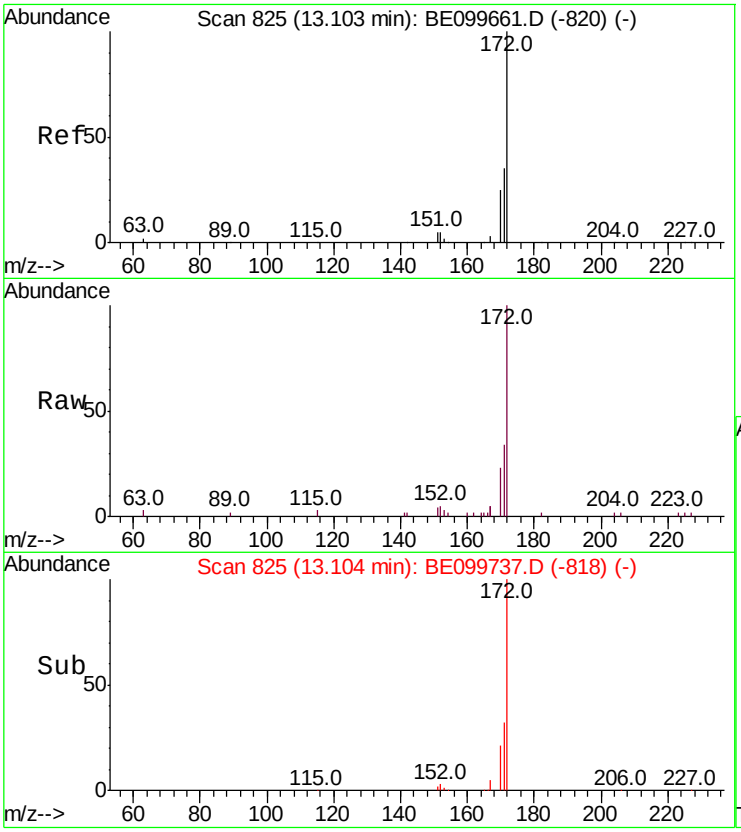


#14
2,4,6-Tribromophenol
Concen: 0.393 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:330 Resp: 769

Ion	Ratio	Lower	Upper
330	100		
332	92.6	77.3	115.9
141	24.4	18.9	28.3



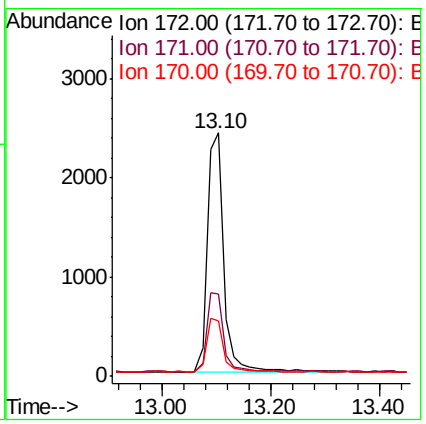


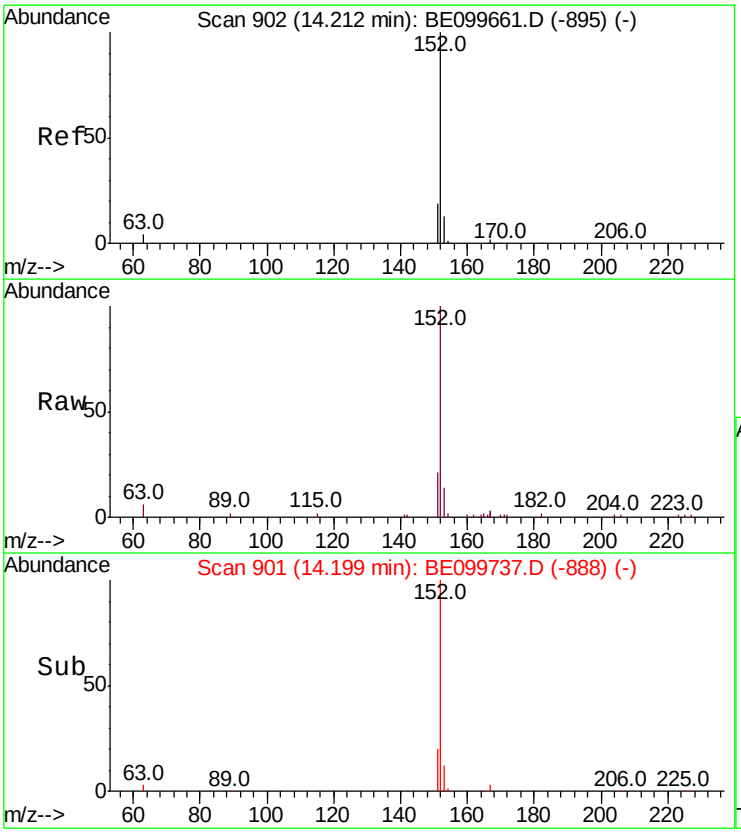
#15
2-Fluorobiphenyl
Concen: 0.345 ng
RT: 13.10 min Scan# 825
Delta R.T. 0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:172 Resp: 5069

Ion	Ratio	Lower	Upper
172	100		
171	33.7	28.7	43.1
170	22.7	20.9	31.3

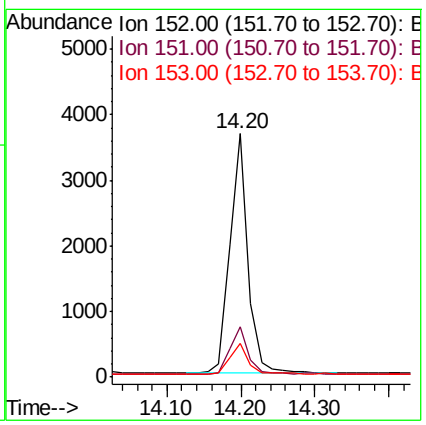


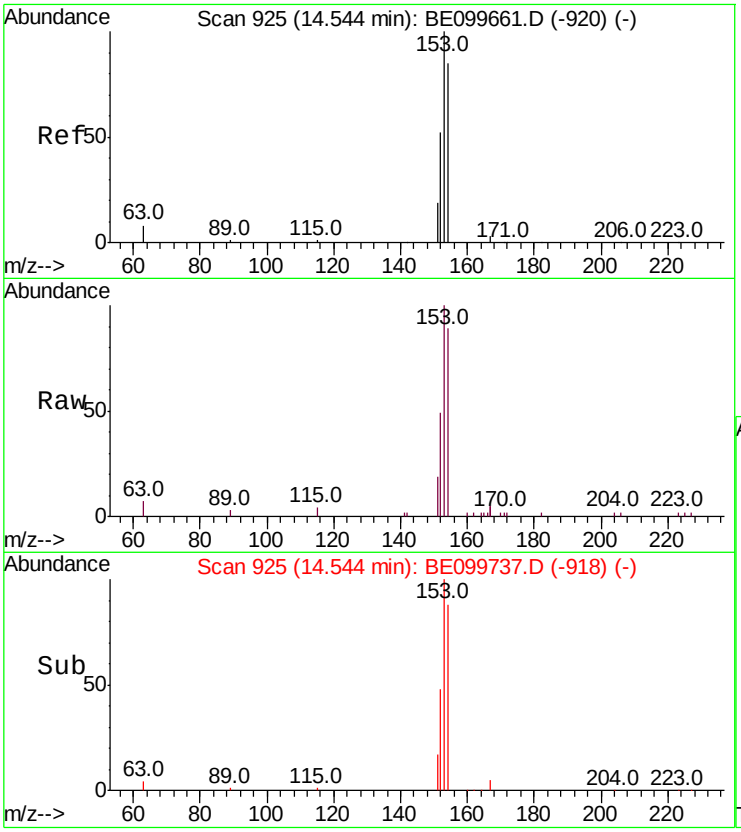


#16
Acenaphthylene
Concen: 0.347 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:152 Resp: 6248

Ion	Ratio	Lower	Upper
152	100		
151	19.6	15.9	23.9
153	12.5	10.6	16.0



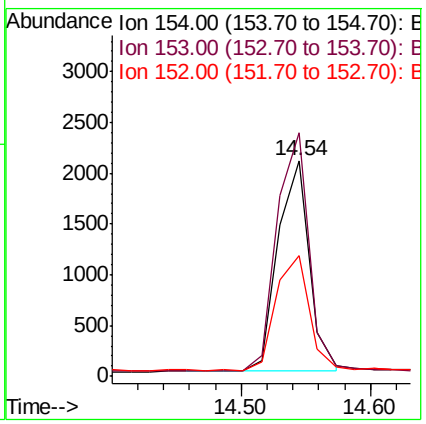


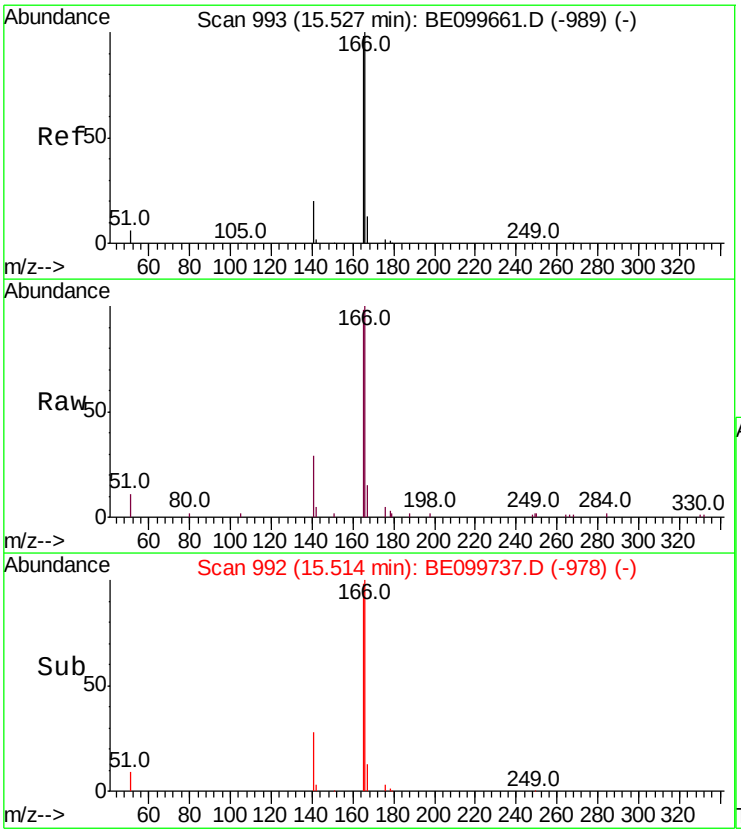
#17
Acenaphthene
Concen: 0.348 ng
RT: 14.54 min Scan# 925
Delta R.T. 0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:154 Resp: 3523

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.8	137.6
152	57.9	46.0	69.0

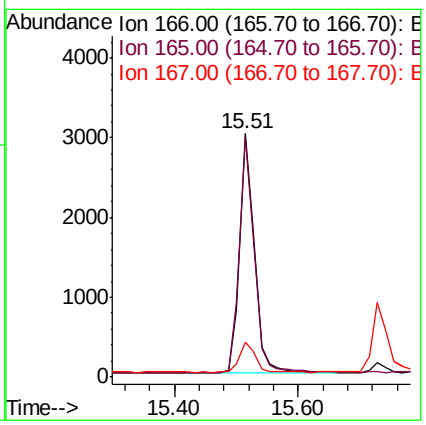


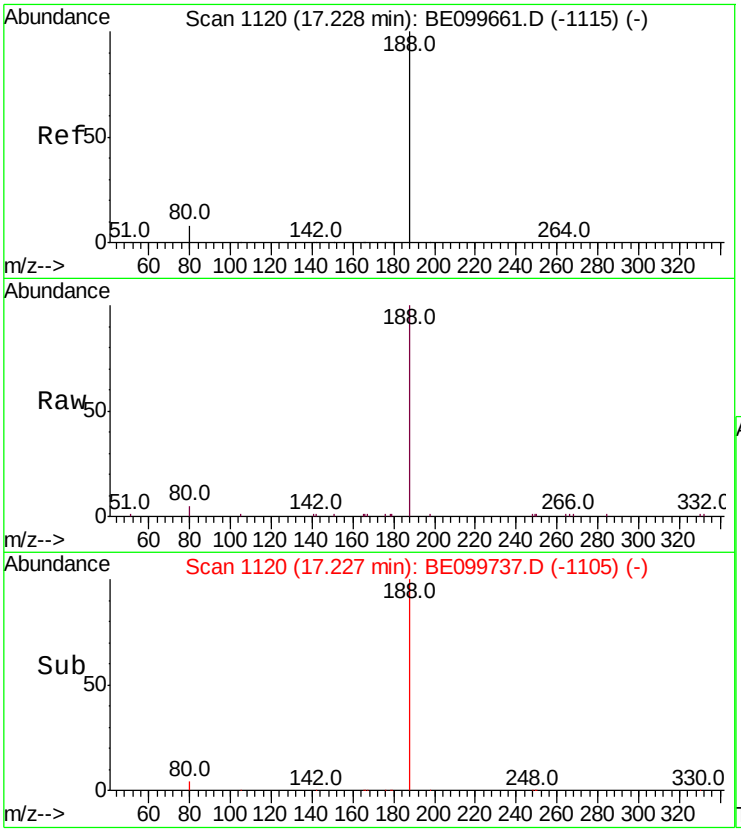


#18
Fluorene
Concen: 0.339 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:166 Resp: 5050

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.3	120.5
167	14.0	10.6	16.0



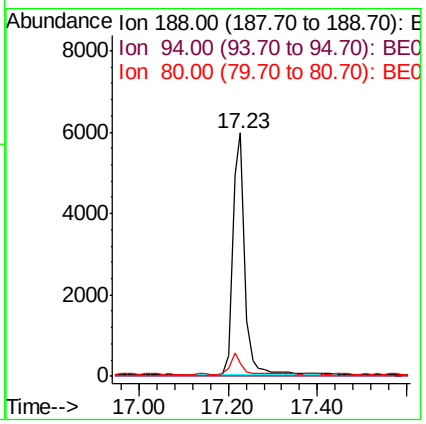


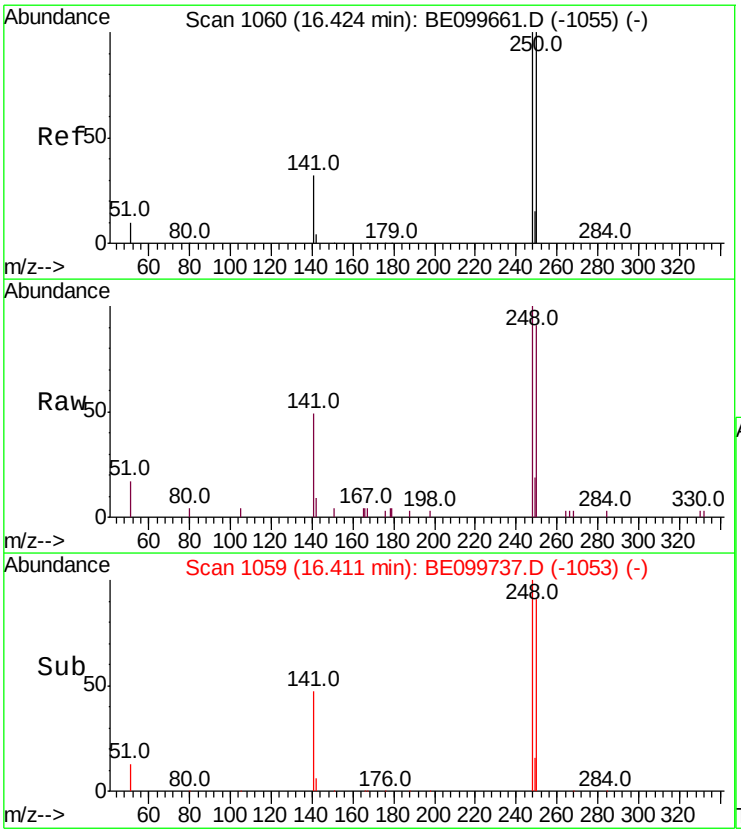
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.23 min Scan# 1120
Delta R.T. -0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:188 Resp: 11018

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.3	6.7	10.1#

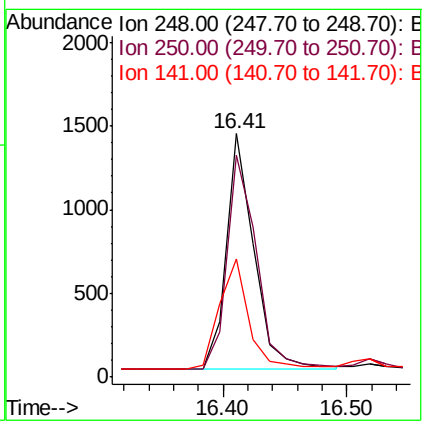


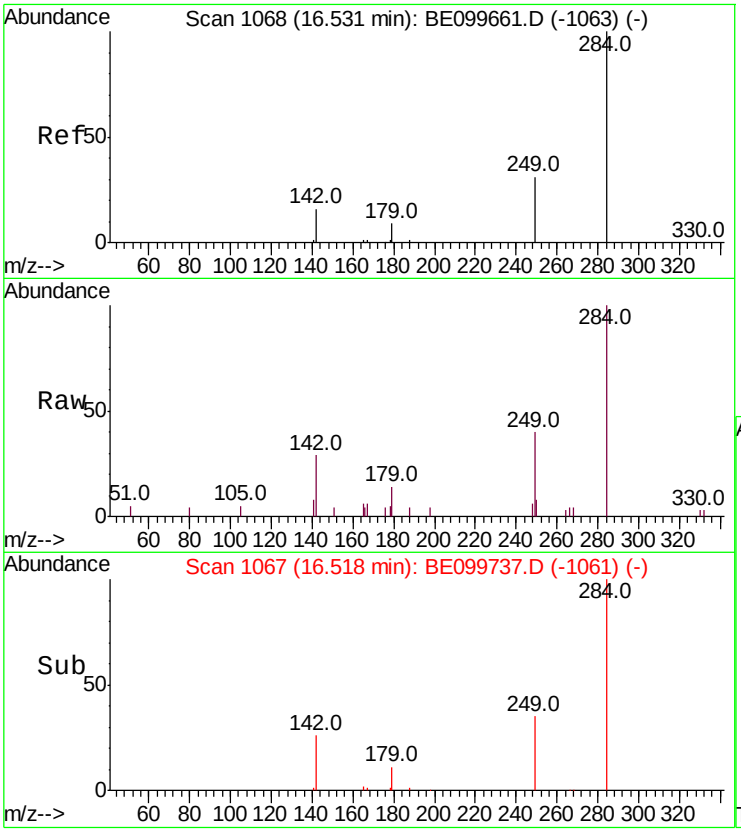


#20
4-Bromophenyl-phenylether
Concen: 0.346 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:248 Resp: 2197

Ion	Ratio	Lower	Upper
248	100		
250	91.3	79.8	119.8
141	48.6	27.0	40.6#



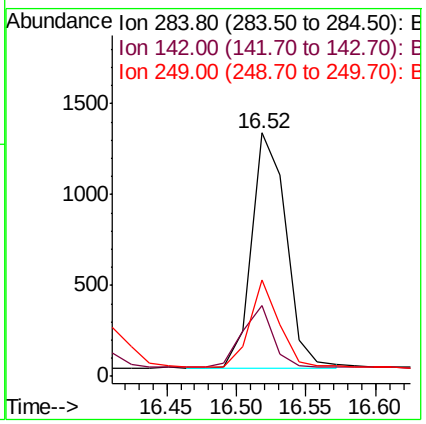


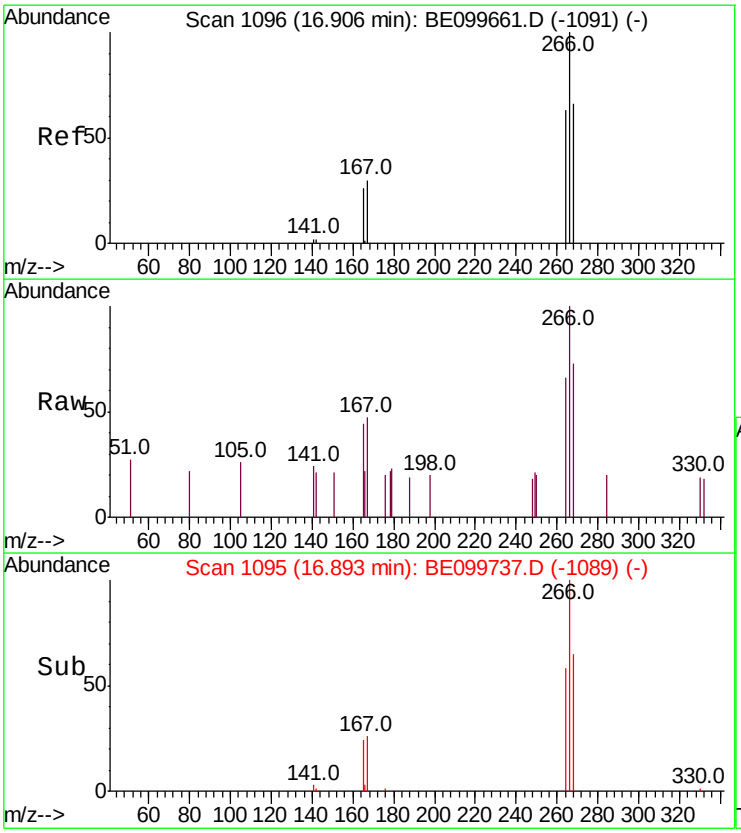
#21
Hexachlorobenzene
Concen: 0.343 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:284 Resp: 2231

Ion	Ratio	Lower	Upper
284	100		
142	22.8	17.8	26.6
249	30.9	24.8	37.2

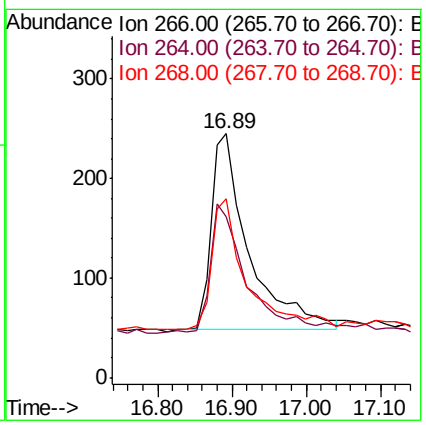


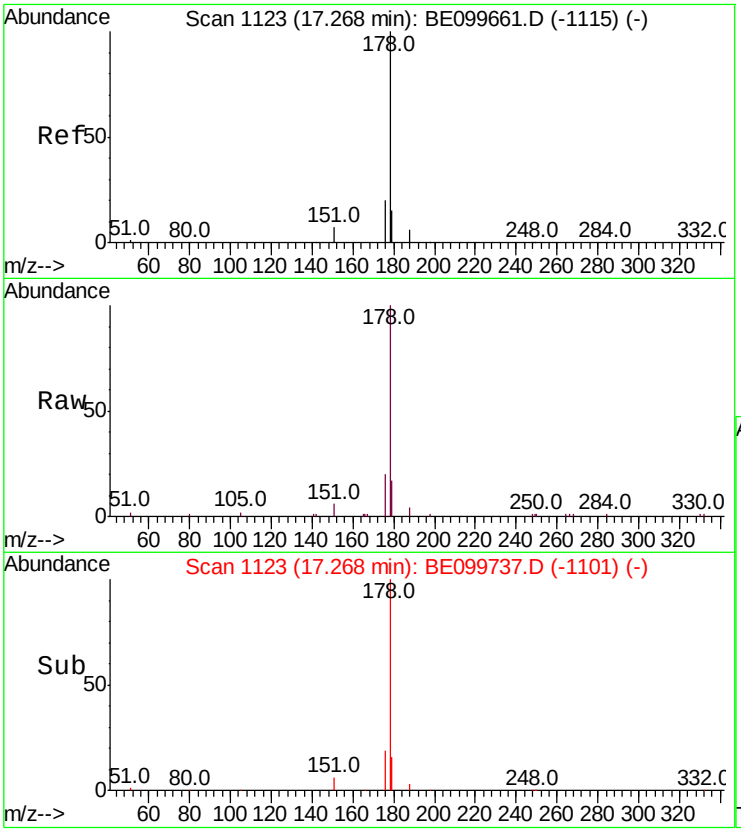


#22
Pentachlorophenol
Concen: 0.525 ng
RT: 16.89 min Scan# 1095
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:266 Resp: 700

Ion	Ratio	Lower	Upper
266	100		
264	65.7	57.2	85.8
268	73.1	60.5	90.7



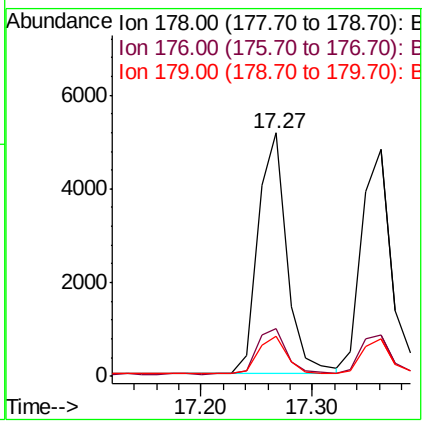


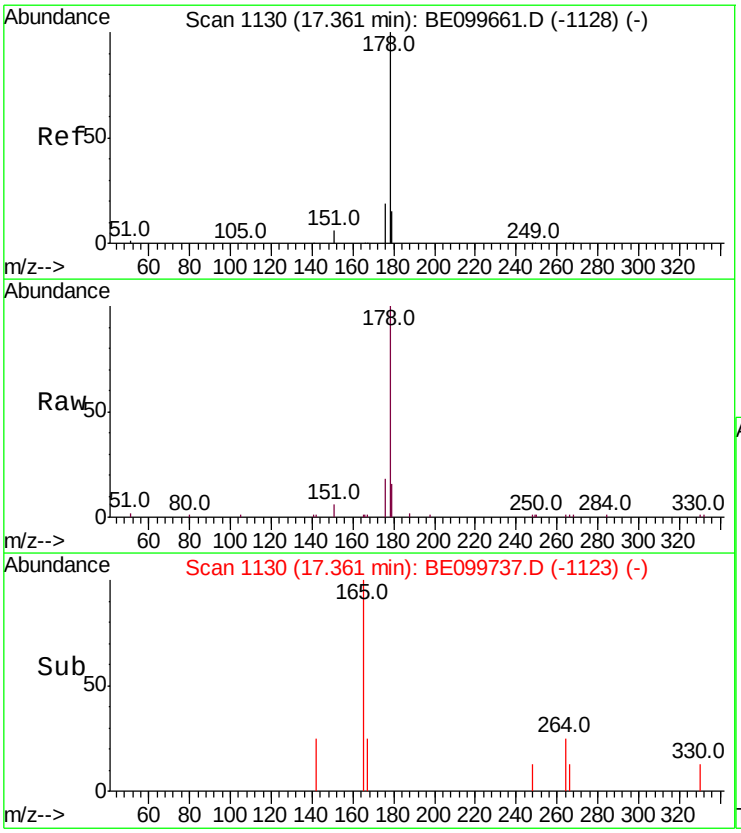
#23
Phenanthrene
Concen: 0.347 ng
RT: 17.27 min Scan# 1123
Delta R.T. -0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:178 Resp: 9340

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.6	23.4
179	15.7	12.2	18.4

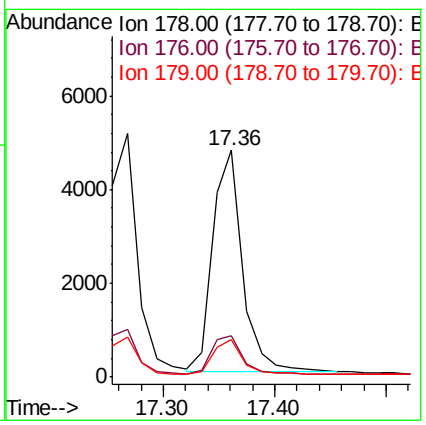


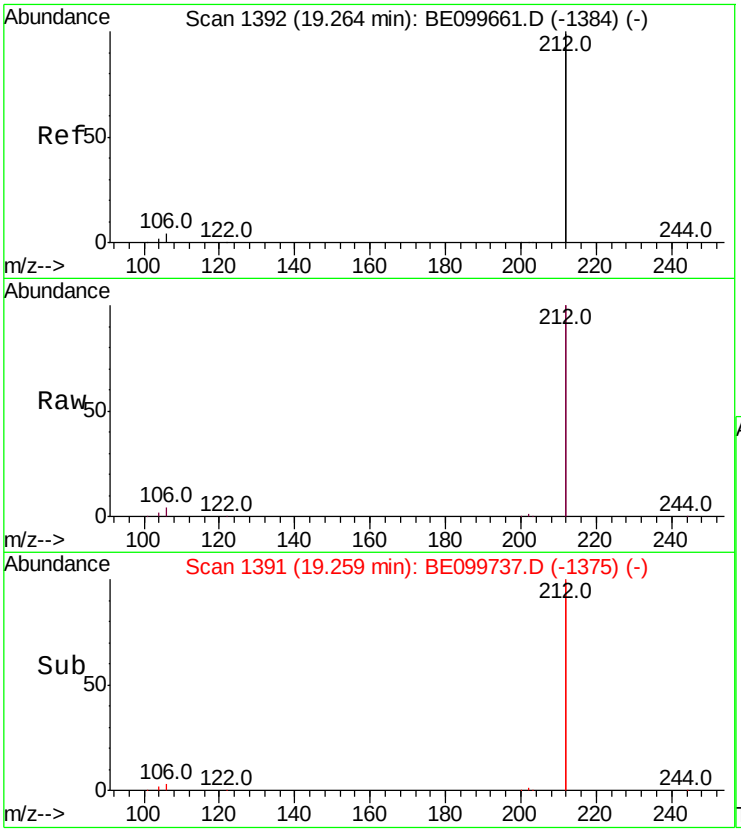


#24
Anthracene
Concen: 0.355 ng
RT: 17.36 min Scan# 1130
Delta R.T. -0.00 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:178 Resp: 8666

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.7	22.1
179	15.7	12.0	18.0



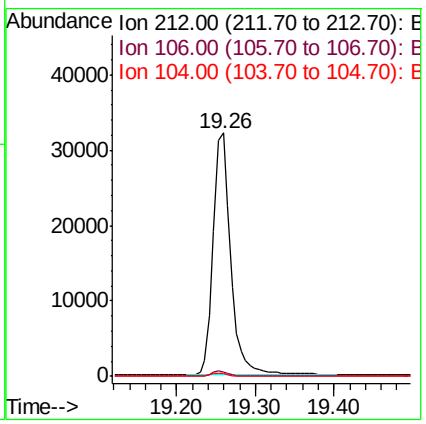


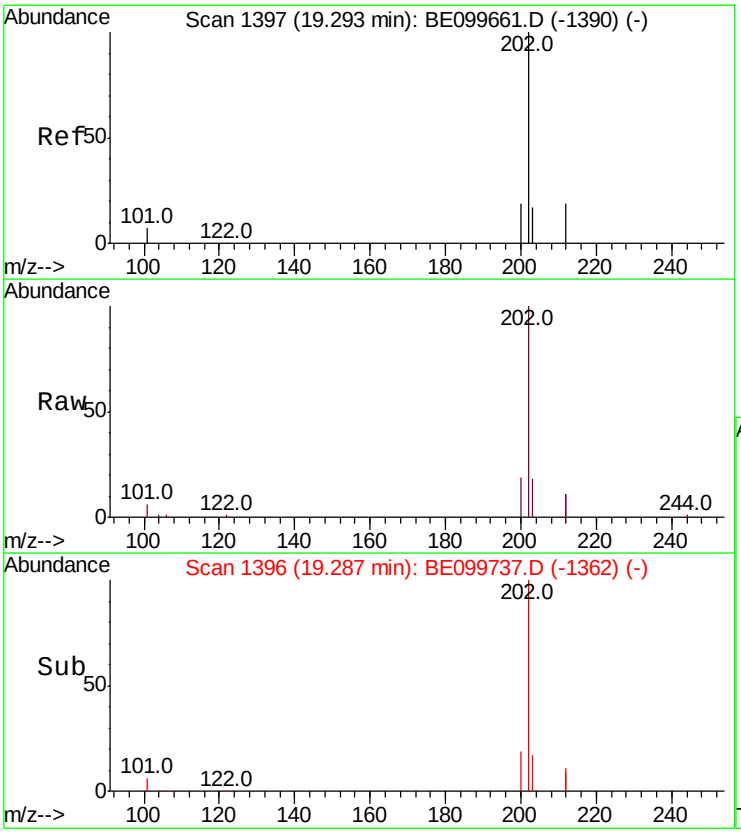
#25
Fluoranthene-d10
Concen: 0.328 ng
RT: 19.26 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:212 Resp: 49427

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.0	0.8	1.2

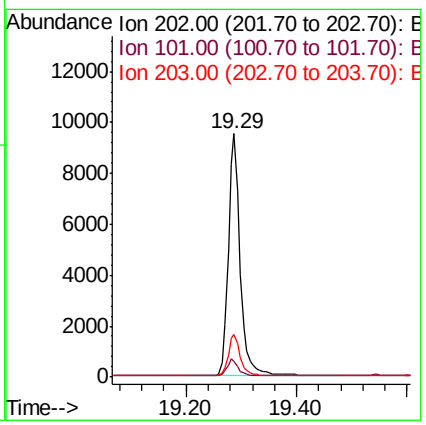


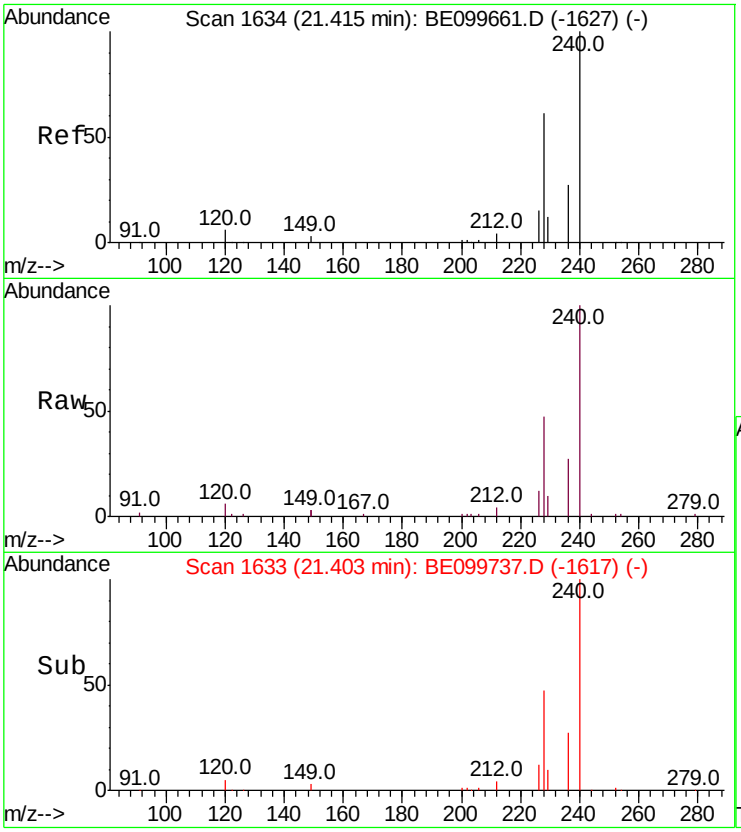


#26
Fluoranthene
Concen: 0.342 ng
RT: 19.29 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:202 Resp: 14543

Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.2	7.8
203	16.9	13.8	20.6



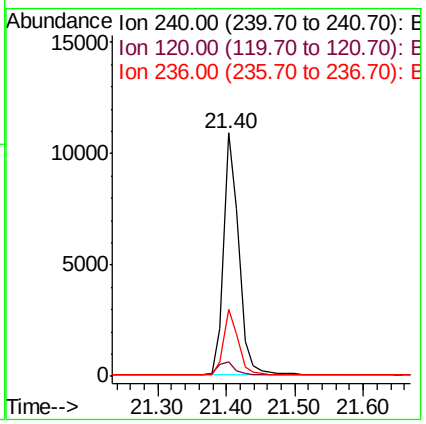


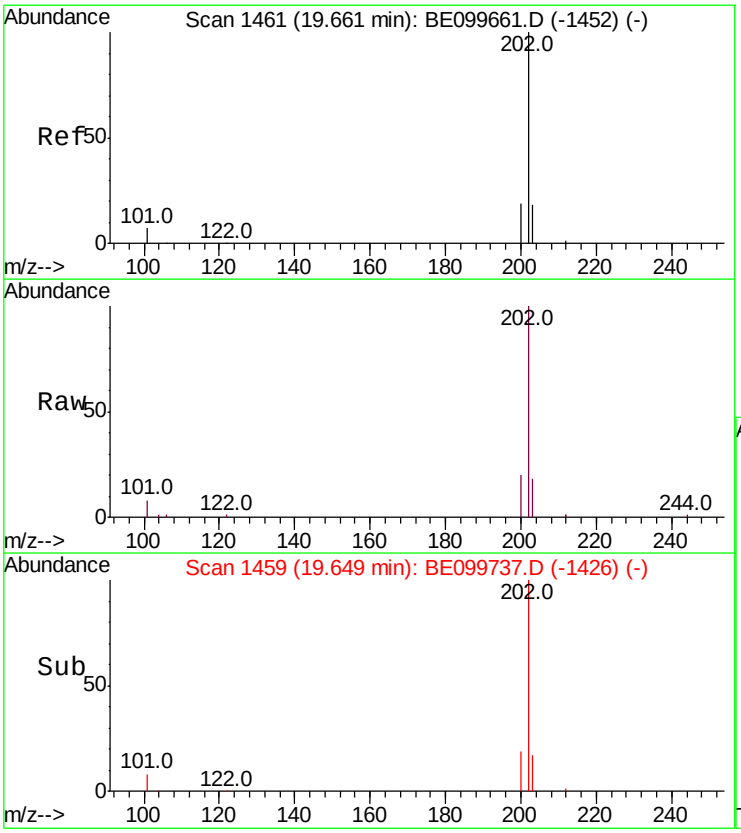
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:240 Resp: 16875

Ion	Ratio	Lower	Upper
240	100		
120	6.1	5.4	8.0
236	27.5	21.7	32.5

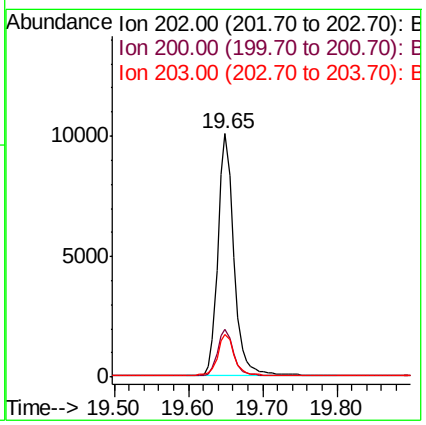


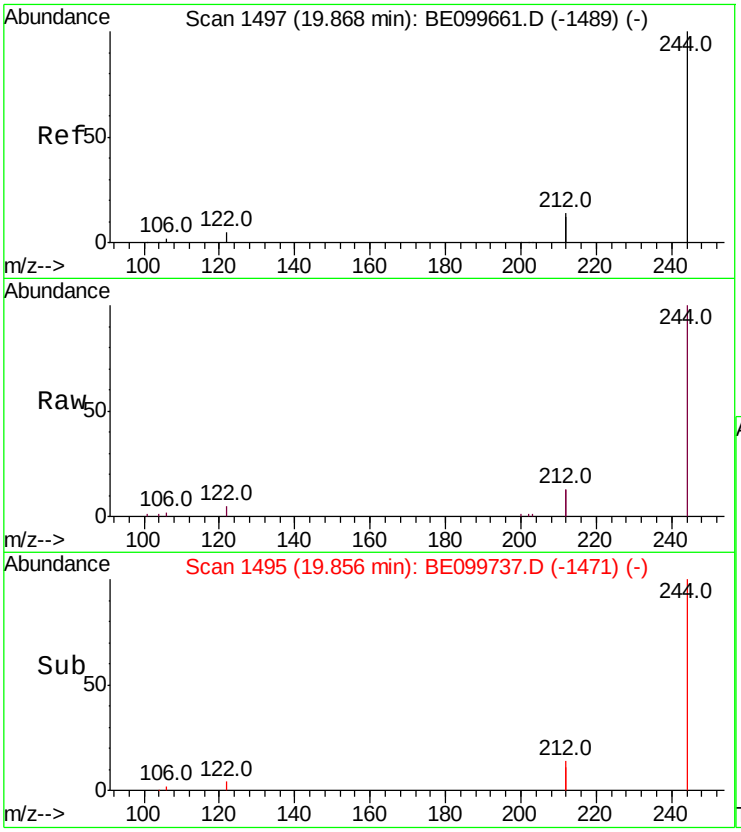


#28
Pyrene
Concen: 0.356 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:202 Resp: 15095

Ion	Ratio	Lower	Upper
202	100		
200	19.4	15.4	23.2
203	17.9	13.8	20.8



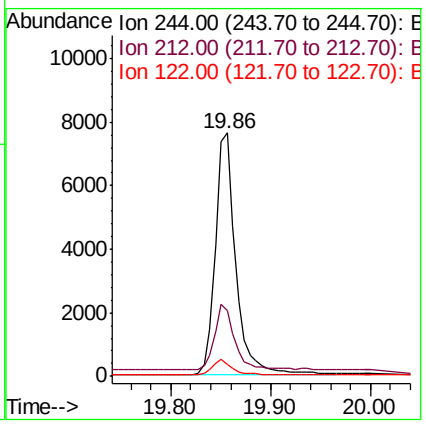


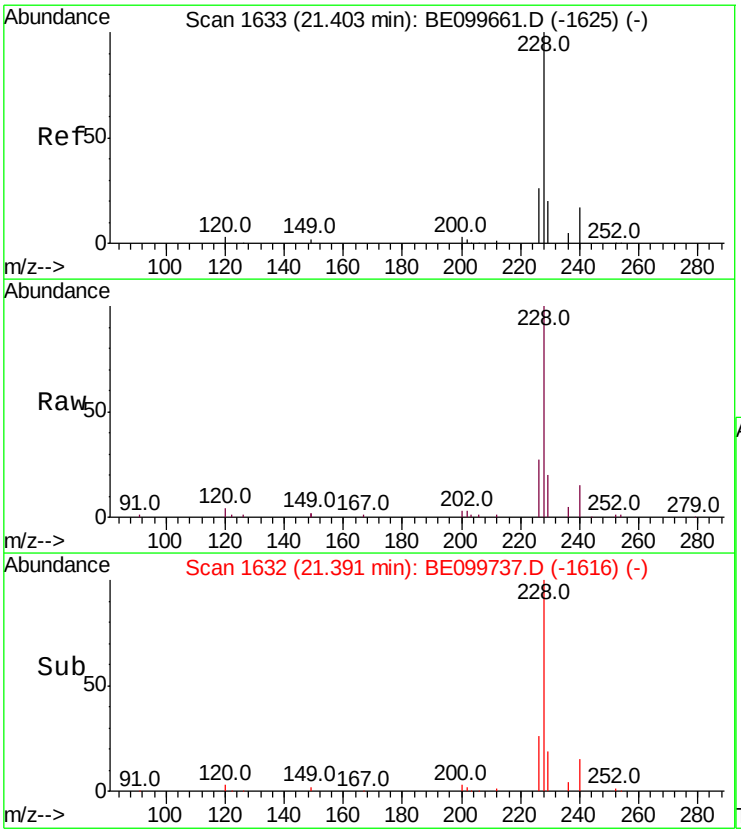
#29
Terphenyl-d14
Concen: 0.359 ng
RT: 19.86 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:244 Resp: 10825

Ion	Ratio	Lower	Upper
244	100		
212	26.9	22.5	33.7
122	5.2	4.3	6.5

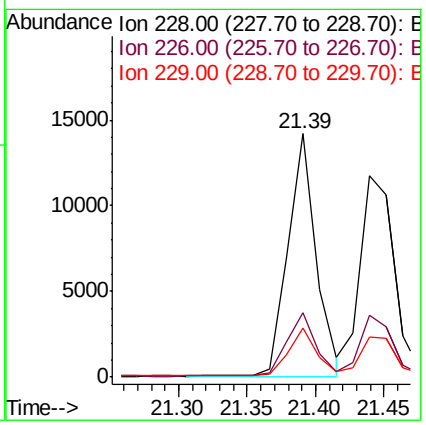


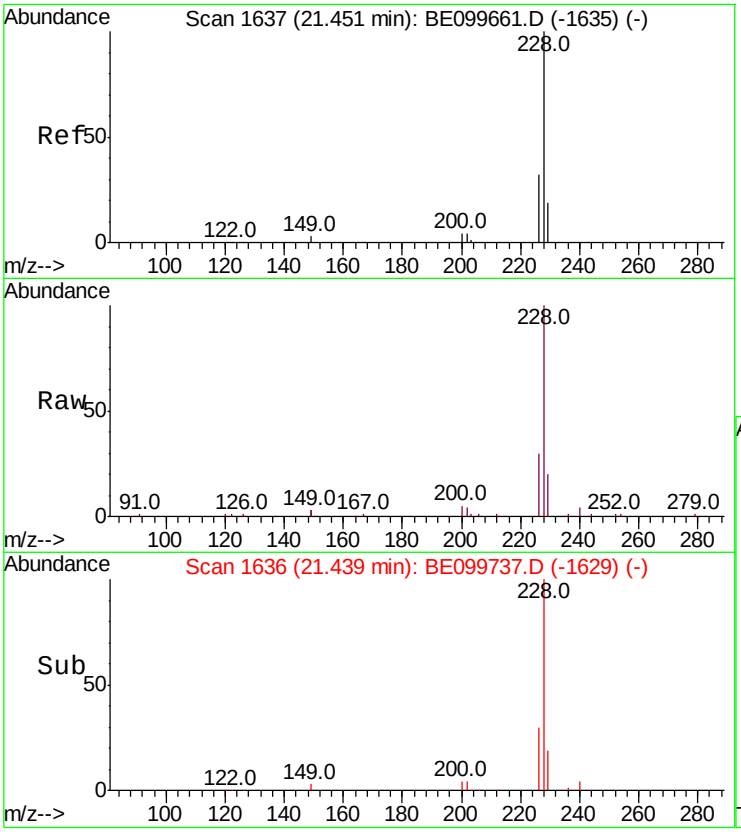


#30
Benzo(a)anthracene
Concen: 0.418 ng
RT: 21.39 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:228 Resp: 20064

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	19.9	16.1	24.1



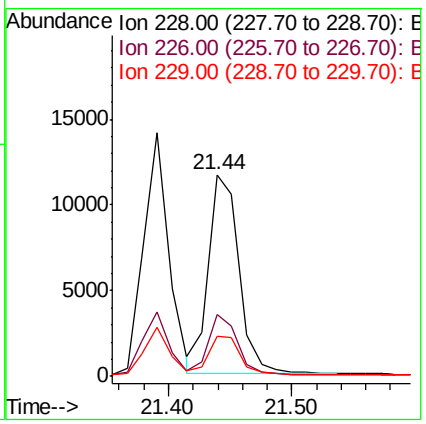


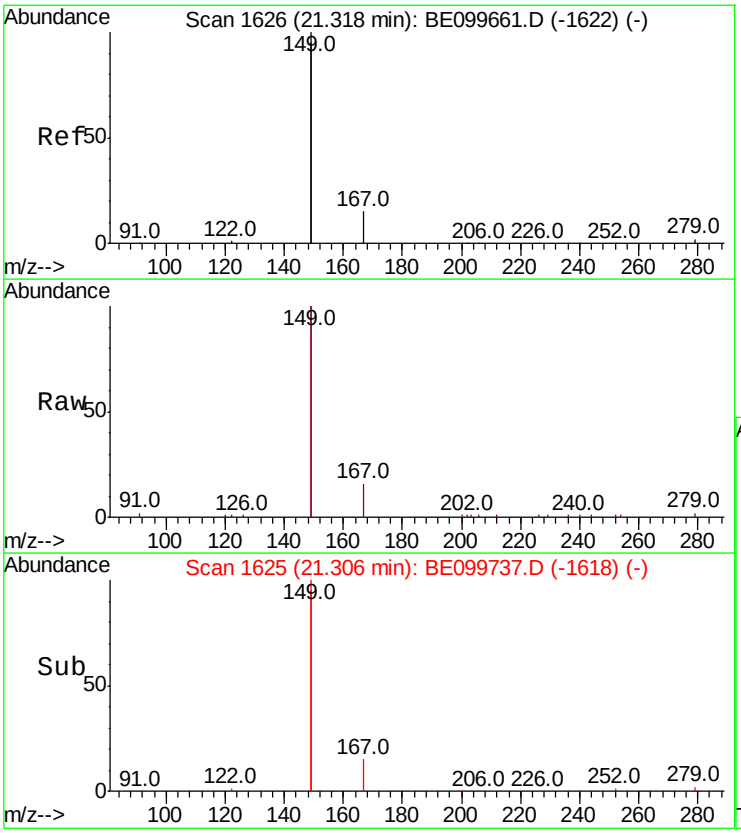
#31
Chrysene
Concen: 0.392 ng
RT: 21.44 min Scan# 1636
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:228 Resp: 20090

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.7	37.1
229	20.0	15.8	23.6

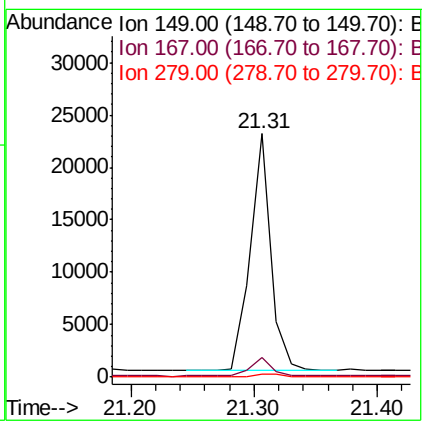


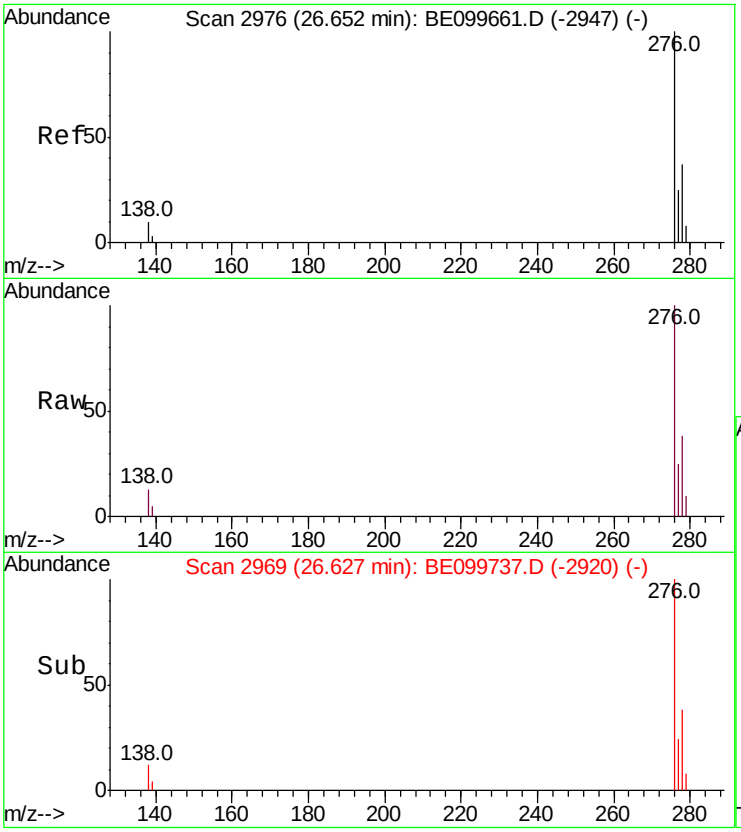


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.482 ng
RT: 21.31 min Scan# 1625
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:149 Resp: 26630

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



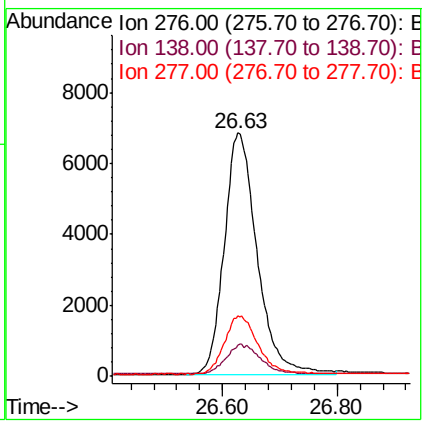


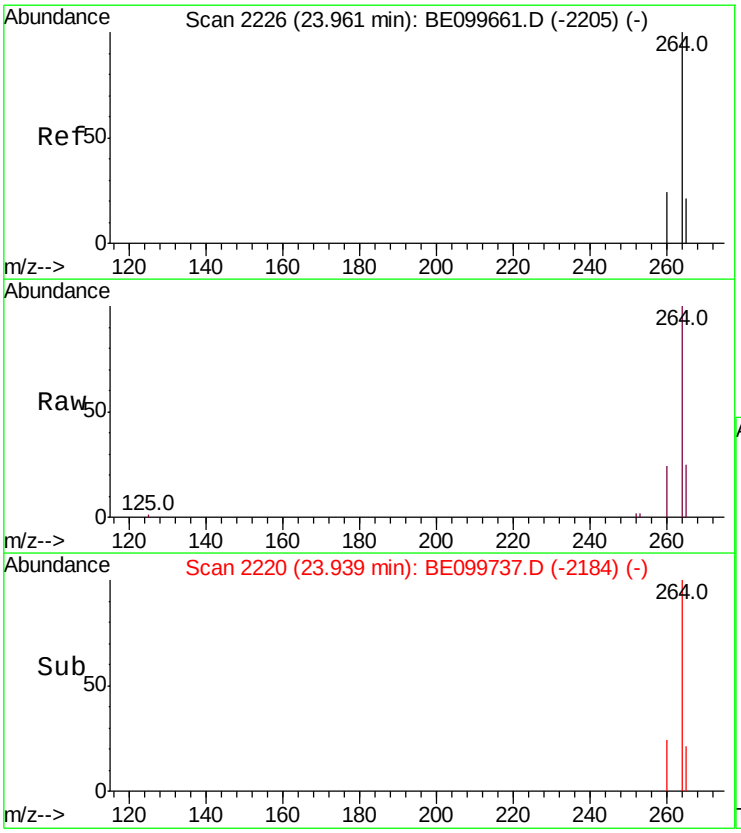
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.437 ng
RT: 26.63 min Scan# 2969
Delta R.T. -0.02 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 27070

Ion	Ratio	Lower	Upper
276	100		
138	12.7	9.6	14.4
277	24.6	19.2	28.8

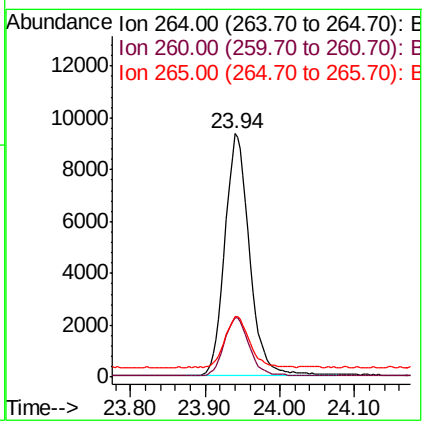


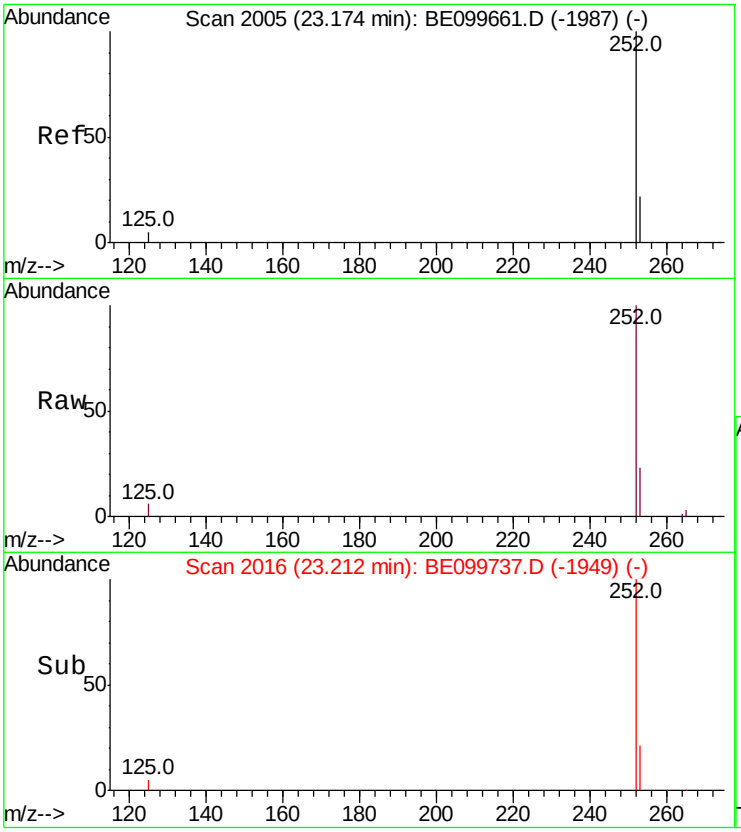


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:264 Resp: 21362

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.6	29.4
265	24.9	19.1	28.7



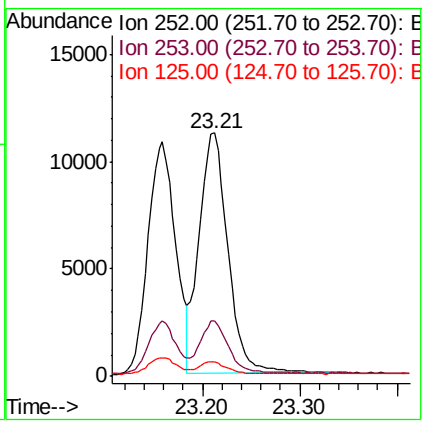


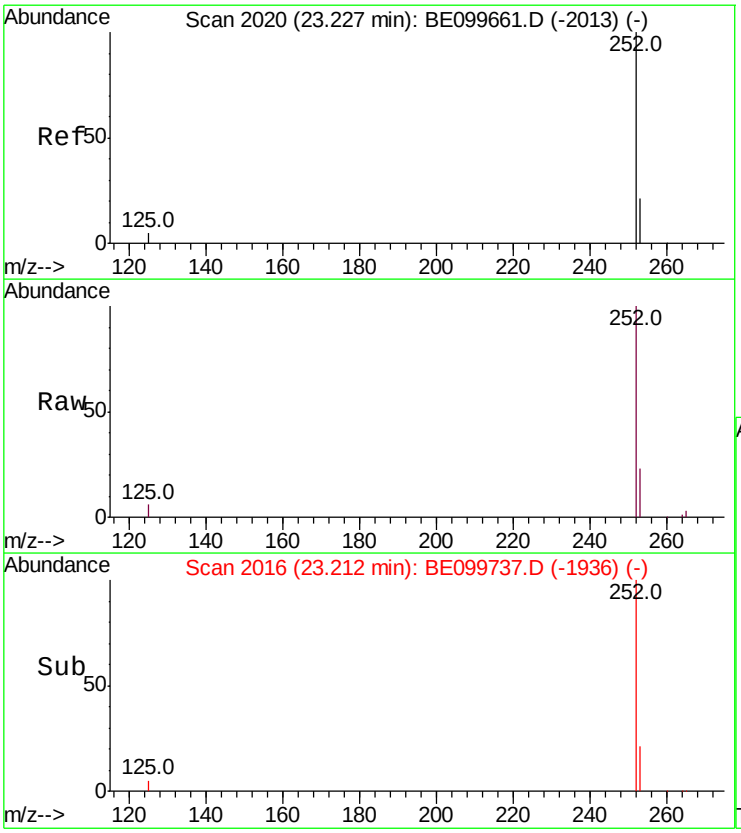
#35
Benzo(b)fluoranthene
Concen: 0.394 ng
RT: 23.21 min Scan# 2016
Delta R.T. 0.04 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 23069

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.4
125	5.7	4.5	6.7

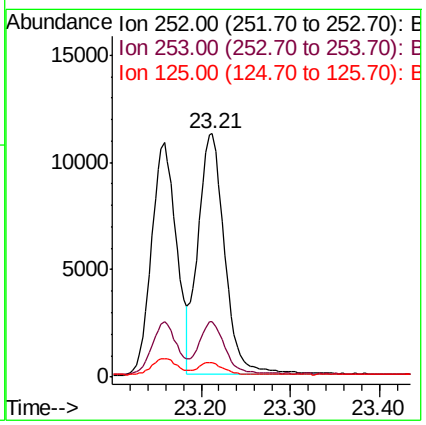


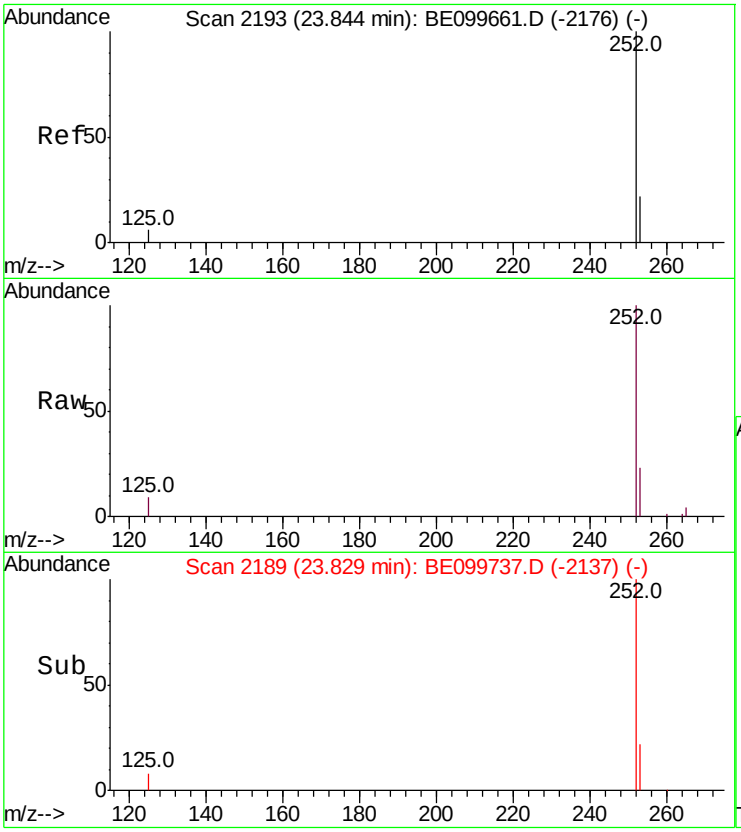


#36
Benzo(k)fluoranthene
Concen: 0.380 ng
RT: 23.21 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:252 Resp: 23218

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	5.7	4.6	6.8



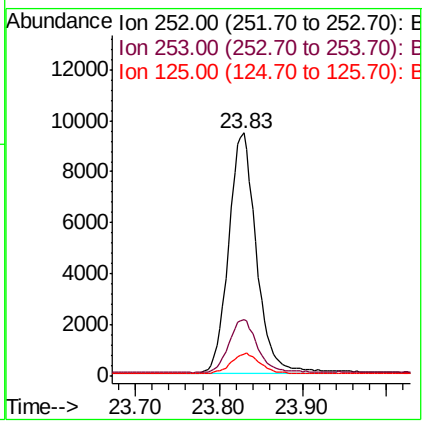


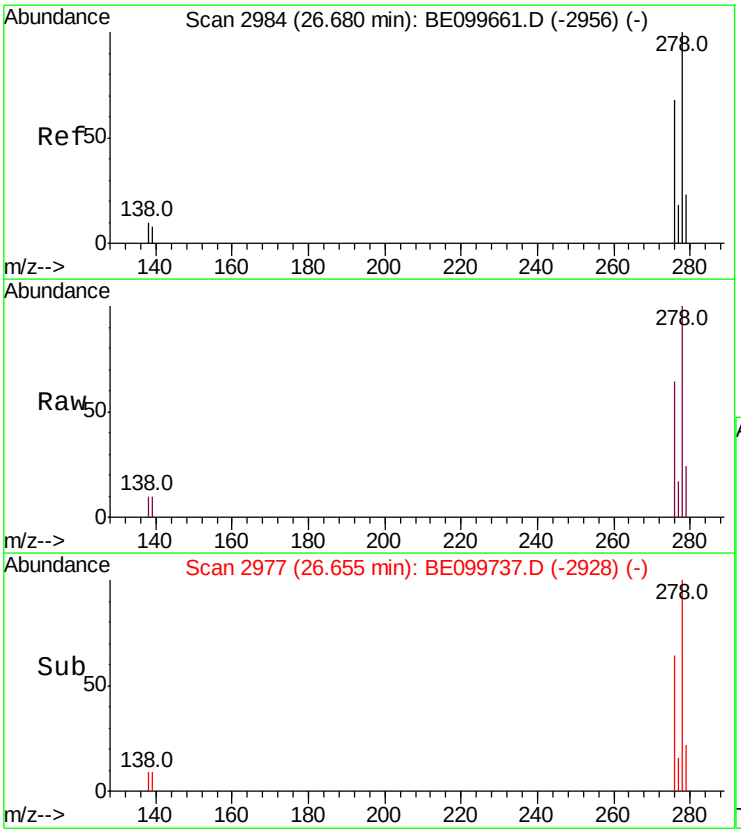
#37
Benzo(a)pyrene
Concen: 0.385 ng
RT: 23.83 min Scan# 2189
Delta R.T. -0.01 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:252 Resp: 21683

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.9	28.3
125	9.1	5.4	8.0#

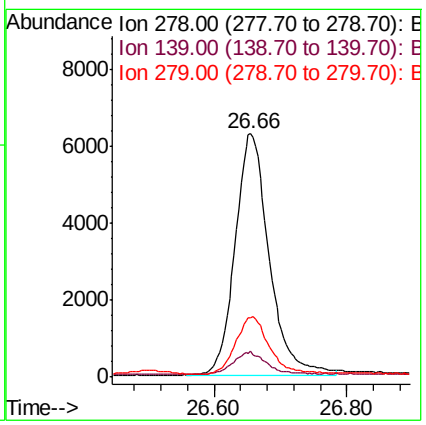


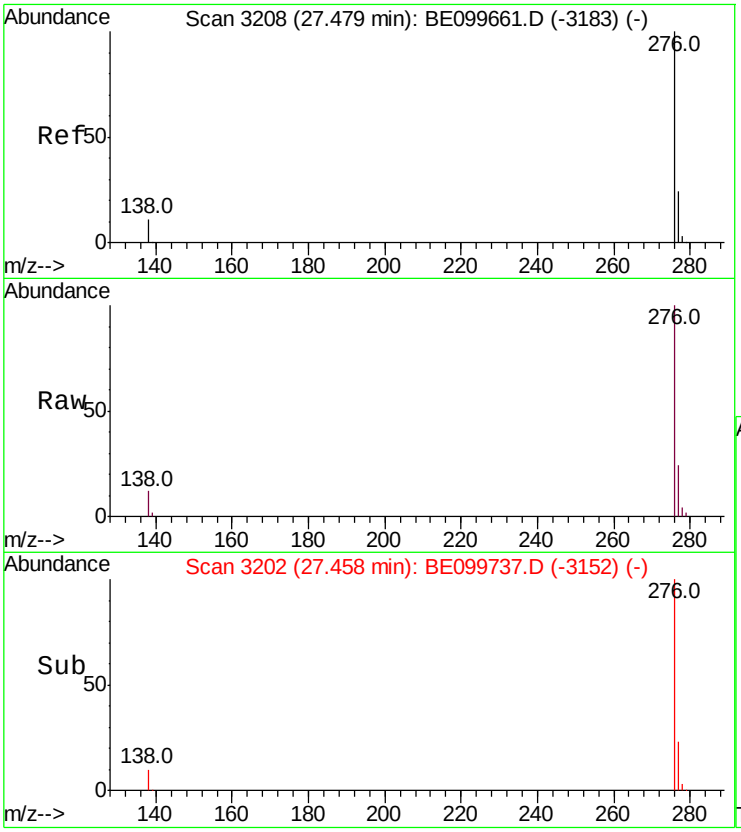


#38
Dibenzo(a,h)anthracene
Concen: 0.378 ng
RT: 26.66 min Scan# 2977
Delta R.T. -0.02 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Tgt Ion:278 Resp: 22373

Ion	Ratio	Lower	Upper
278	100		
139	10.5	6.9	10.3#
279	24.1	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.381 ng
RT: 27.46 min Scan# 3202
Delta R.T. -0.02 min
Lab File: BE099737.D
Acq: 24 May 2019 11:59

Instrument :
BNA_E
ClientSampleId :

Tgt Ion:276 Resp: 22751

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.8	29.6
138	11.6	9.2	13.8