Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099738.D
Acq On : 24 May 2019 12:35
Operator : JU/SJ
Sample : PB120031BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_E
ClientSampleId : PB120031BS

Quant Time: May 24 21:33:12 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	1573	0.40	ng		-0.01
7) Naphthalene-d8	10.60	136	5356	0.40	ng		-0.01
13) Acenaphthene-d10	14.47	164	3456	0.40	ng		-0.02
19) Phenanthrene-d10	17.21	188	9973	0.40	ng		-0.01
27) Chrysene-d12	21.40	240	16190	0.40	ng		-0.01
34) Perylene-d12	23.94	264	20925	0.40	ng		-0.02
System Monitoring Compounds							
4) 2-Fluorophenol	5.37	112	1504	0.38	ng		0.00
5) Phenol-d6	6.96	99	1920	0.36	ng		-0.01
8) Nitrobenzene-d5	8.96	82	1652	0.36	ng		-0.01
11) 2-Methylnaphthalene-d10	12.21	152	4256	0.46	ng		-0.02
14) 2,4,6-Tribromophenol	15.97	330	679	0.39	ng		-0.01
15) 2-Fluorobiphenyl	13.10	172	4576	0.35	ng		0.00
25) Fluoranthene-d10	19.25	212	44083	0.32	ng		-0.01
29) Terphenyl-d14	19.85	244	9581	0.33	ng		-0.02
Target Compounds							Qvalue
2) 1,4-Dioxane	3.29	88	776	0.333	ng	#	47
3) n-Nitrosodimethylamine	3.61	42	480	0.373	ng	#	86
6) bis(2-Chloroethyl)ether	7.23	93	1602	0.342	ng		90
9) Naphthalene	10.65	128	20066	0.350	ng		100
10) Hexachlorobutadiene	10.93	225	1478	0.350	ng		97
12) 2-Methylnaphthalene	12.28	142	3237	0.347	ng		97
16) Acenaphthylene	14.20	152	5668	0.352	ng		99
17) Acenaphthene	14.54	154	3187	0.353	ng		98
18) Fluorene	15.51	166	4538	0.341	ng		99
20) 4-Bromophenyl-phenylether	16.41	248	1991	0.346	ng		95
21) Hexachlorobenzene	16.52	284	1997	0.339	ng		98
22) Pentachlorophenol	16.88	266	699	0.559	ng		92
23) Phenanthrene	17.27	178	8415	0.345	ng		99
24) Anthracene	17.35	178	7684	0.348	ng		98
26) Fluoranthene	19.28	202	12970	0.337	ng		100
28) Pyrene	19.65	202	13480	0.331	ng		99
30) Benzo(a)anthracene	21.39	228	19147	0.416	ng		100
31) Chrysene	21.45	228	19562	0.398	ng		97
32) Bis(2-ethylhexyl)phthalate	21.30	149	24188	0.456	ng		99
33) Indeno(1,2,3-cd)pyrene	26.62	276	26859	0.452	ng		99
35) Benzo(b)fluoranthene	23.21	252	22340	0.390	ng		100
36) Benzo(k)fluoranthene	23.21	252	22340	0.374	ng		99
37) Benzo(a)pyrene	23.83	252	21461	0.389	ng	#	98
38) Dibenzo(a,h)anthracene	26.66	278	22382	0.386	ng		98
39) Benzo(g,h,i)perylene	27.45	276	22262	0.380	ng		98

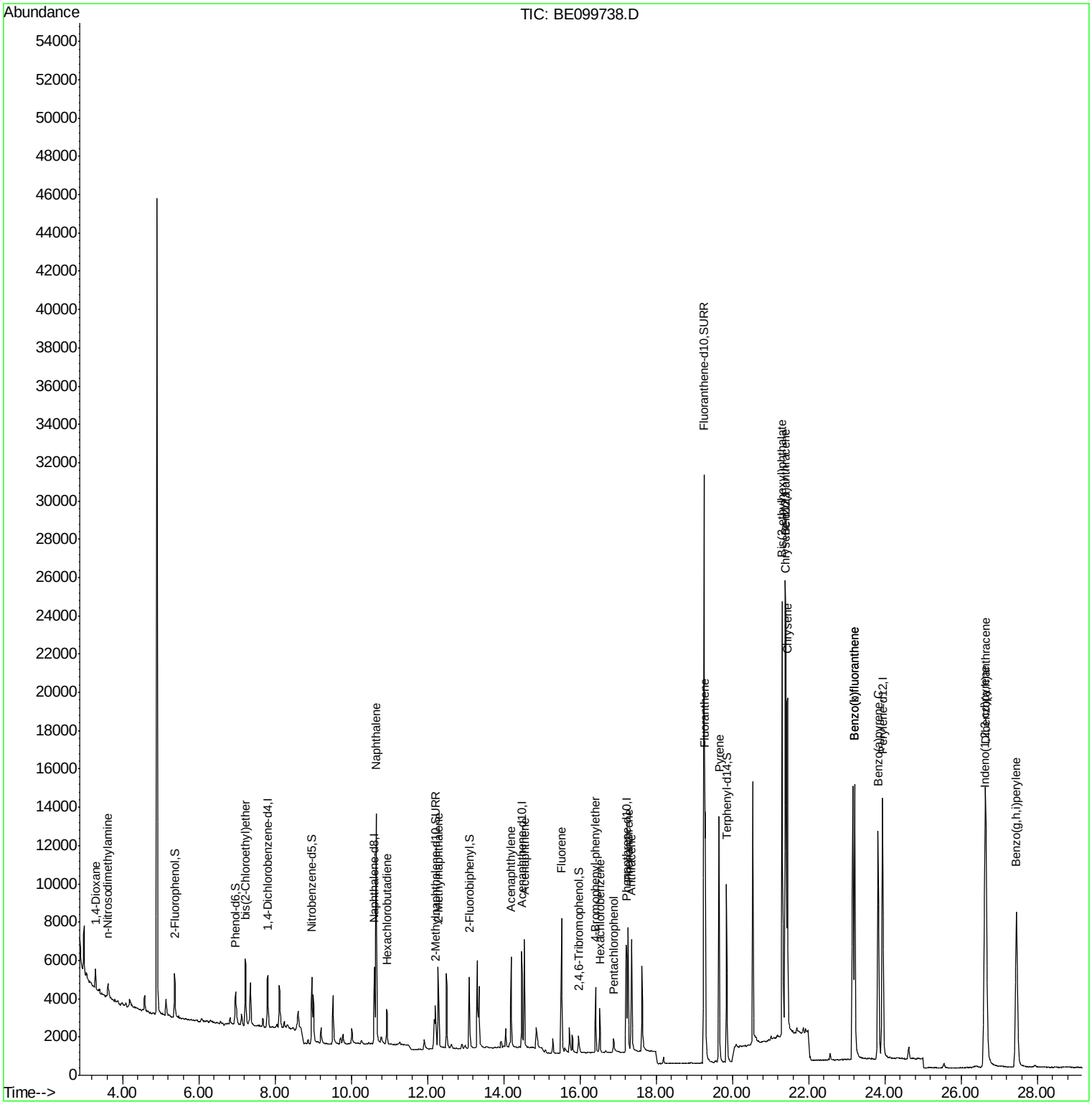
(#) = qualifier out of range (m) = manual integration (+) = signals summed

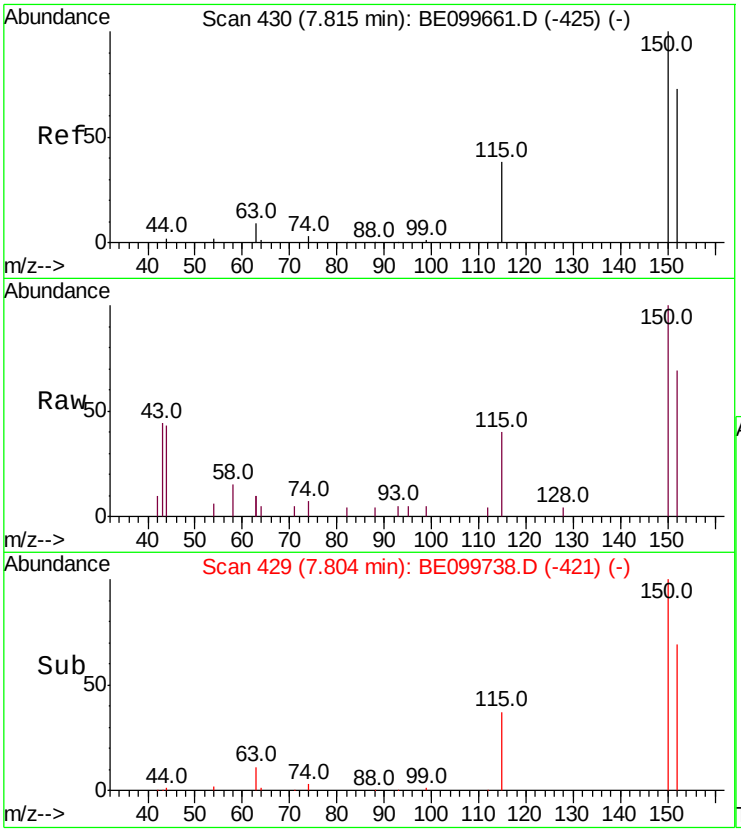
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA E\DATA\BE052419\
Data File : BE099738.D
Acq On : 24 May 2019 12:35
Operator : JU/SJ
Sample : PB120031BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Quant Time: May 24 21:33:12 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



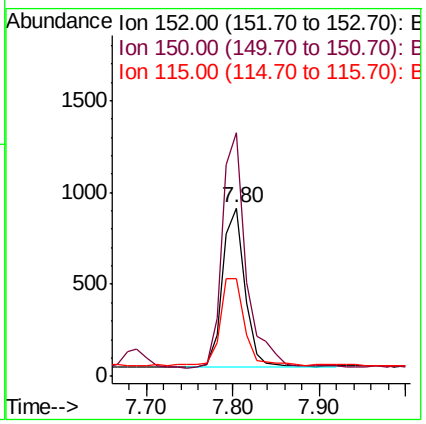


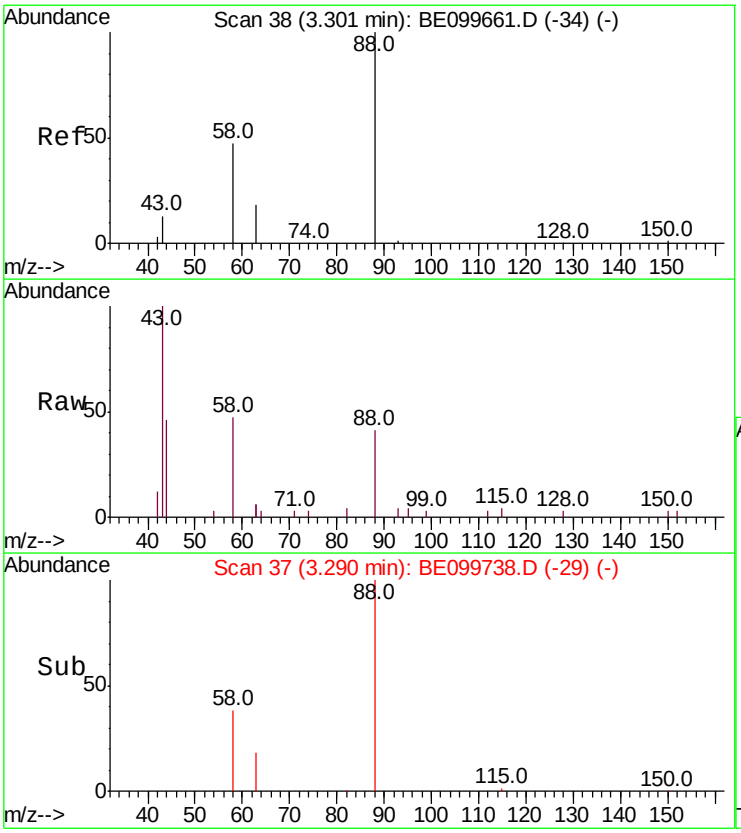
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.80 min Scan# 429
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:152 Resp: 1573

Ion	Ratio	Lower	Upper
152	100		
150	144.4	109.2	163.8
115	57.7	43.7	65.5

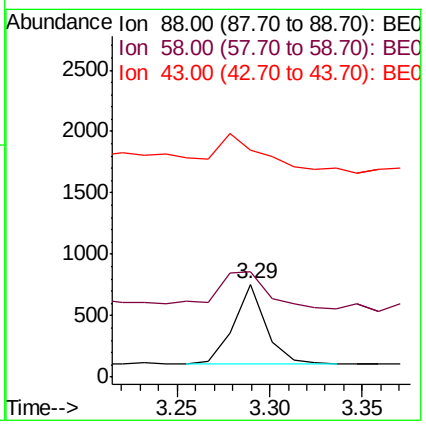


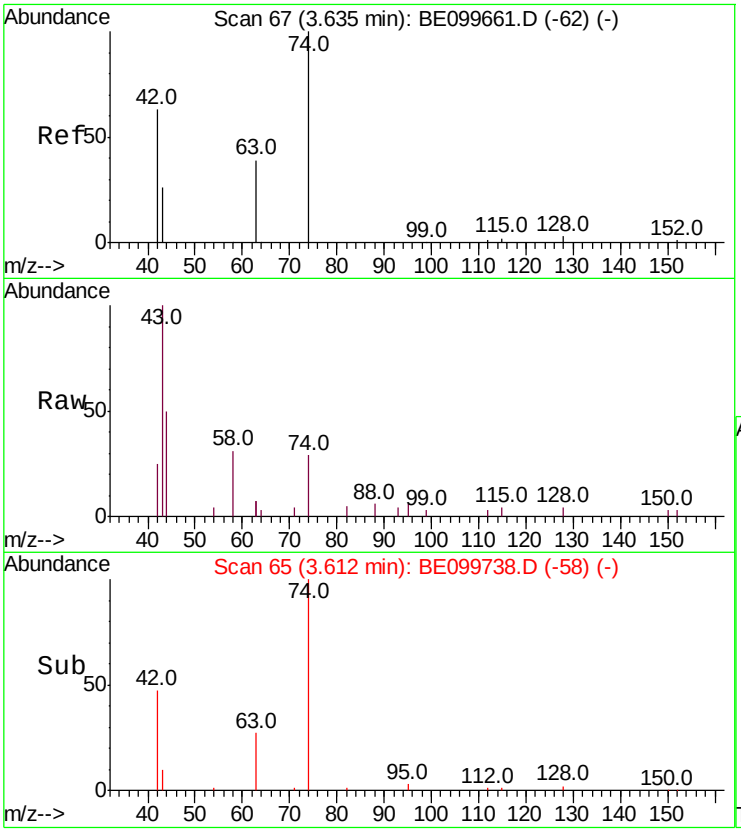


#2
1,4-Dioxane
Concen: 0.333 ng
RT: 3.29 min Scan# 37
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion: 88 Resp: 776

Ion	Ratio	Lower	Upper
88	100		
58	75.8	41.8	62.8#
43	67.5	15.0	22.4#



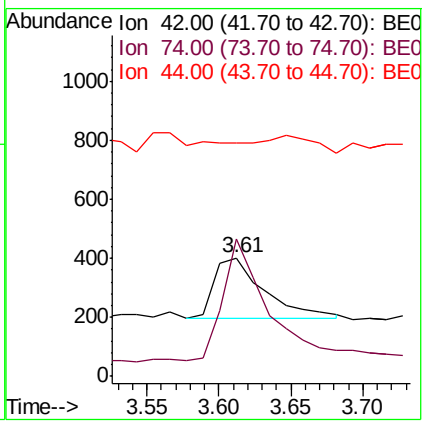


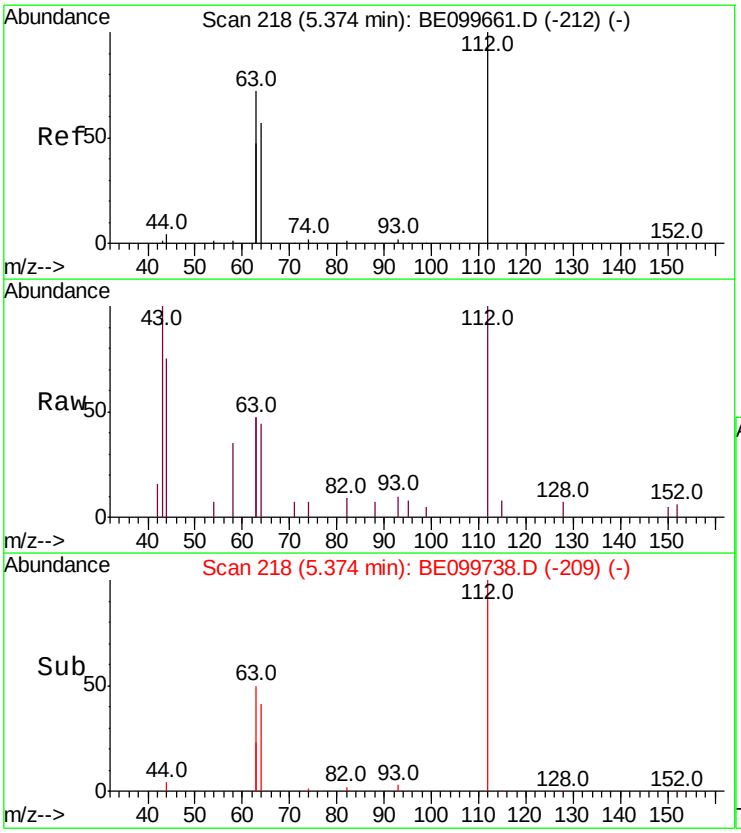
#3
n-Nitrosodimethylamine
Concen: 0.373 ng
RT: 3.61 min Scan# 65
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion: 42 Resp: 480

Ion	Ratio	Lower	Upper
42	100		
74	180.6	129.2	193.8
44	0.0	0.0	0.0

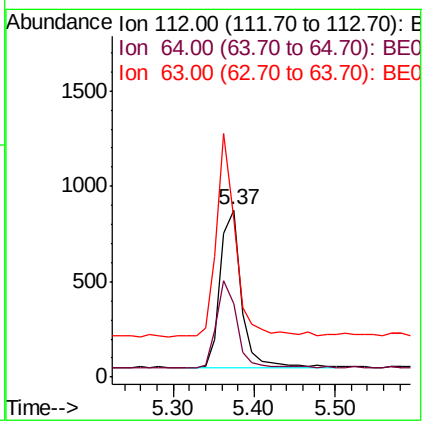


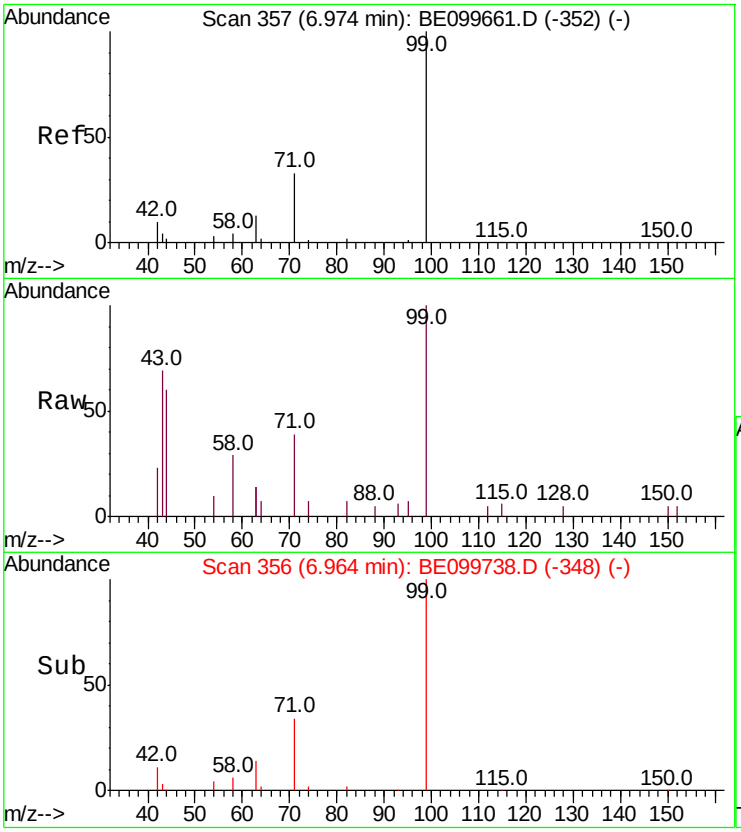


#4
2-Fluorophenol
Concen: 0.378 ng
RT: 5.37 min Scan# 218
Delta R.T. 0.00 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:112 Resp: 1504

Ion	Ratio	Lower	Upper
112	100		
64	54.5	43.4	65.2
63	116.2	96.9	145.3



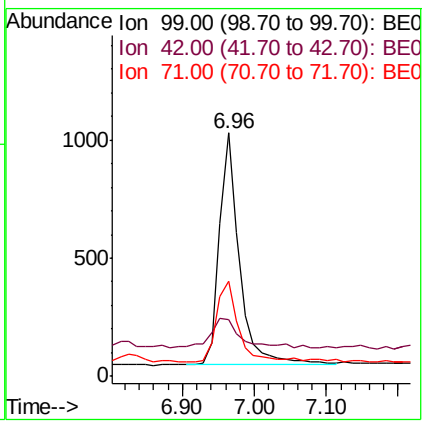


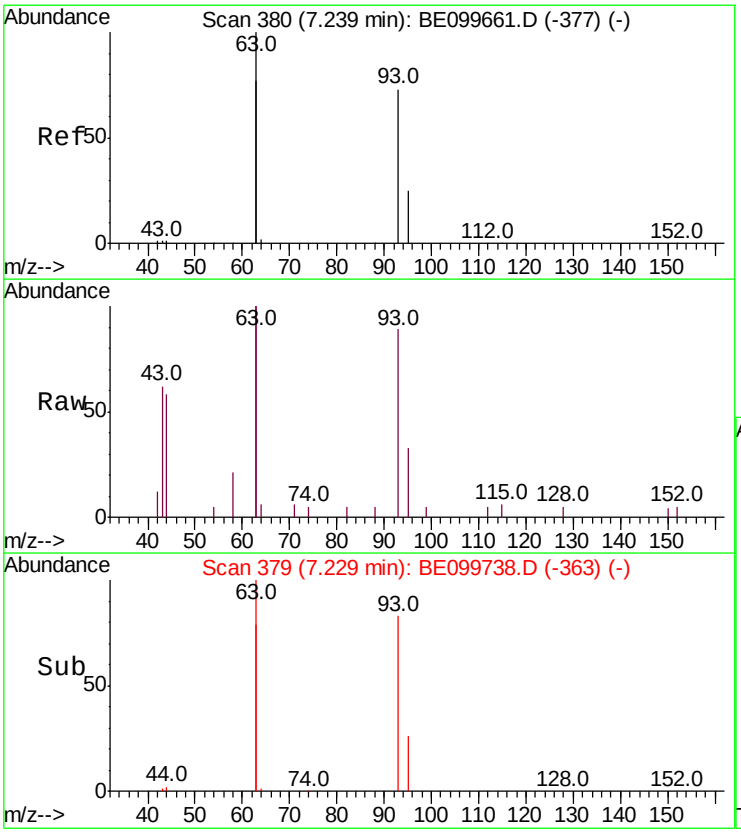
#5
Phenol-d6
Concen: 0.365 ng
RT: 6.96 min Scan# 356
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion: 99 Resp: 1920

Ion	Ratio	Lower	Upper
99	100		
42	20.4	12.2	18.2#
71	37.3	28.9	43.3

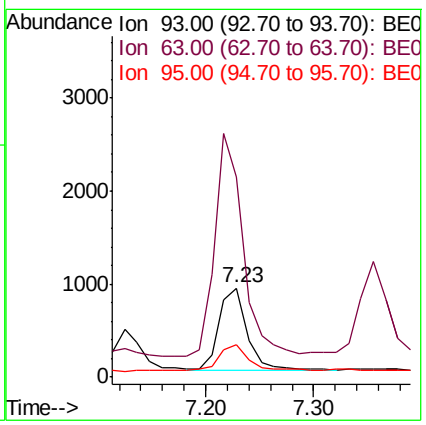


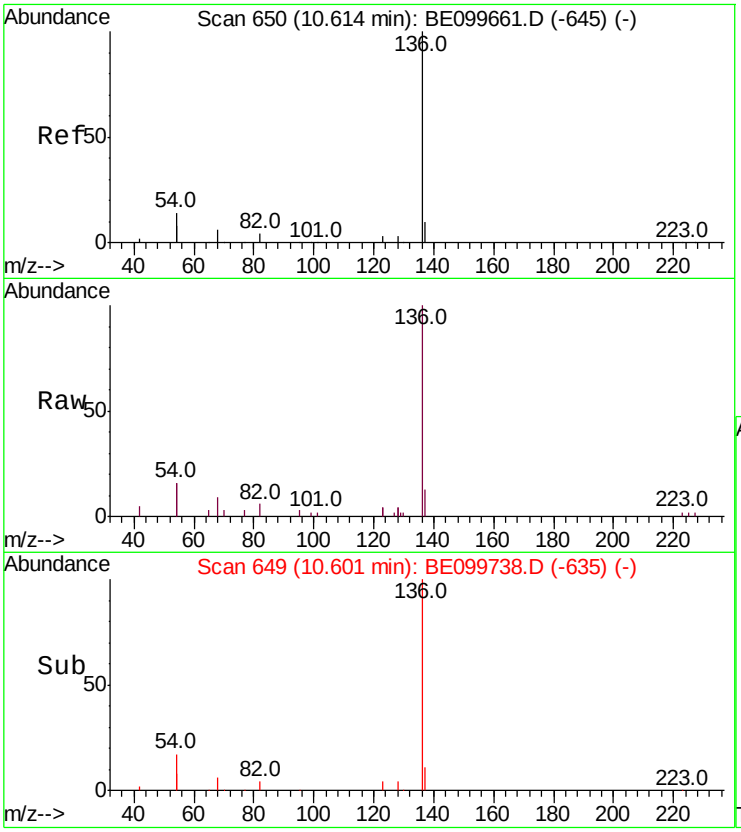


#6
bis(2-Chloroethyl)ether
Concen: 0.342 ng
RT: 7.23 min Scan# 379
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion: 93 Resp: 1602

Ion	Ratio	Lower	Upper
93	100		
63	278.8	207.8	311.6
95	36.2	25.9	38.9



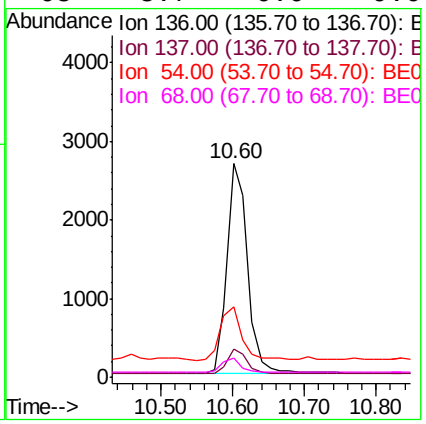


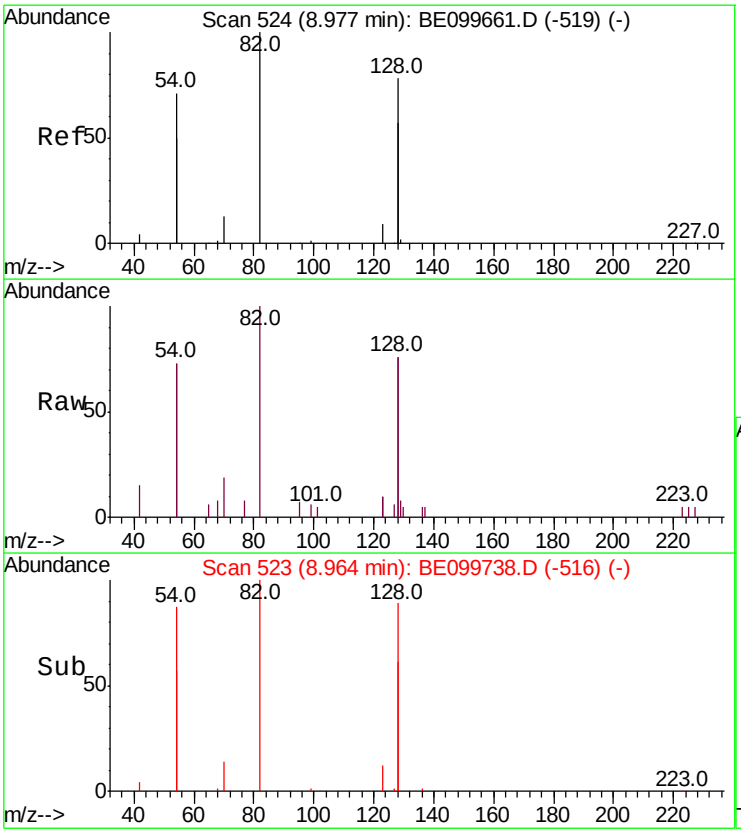
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.60 min Scan# 649
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:136 Resp: 5356

Ion	Ratio	Lower	Upper
136	100		
137	13.0	9.0	13.6
54	32.9	22.3	33.5
68	8.7	6.0	9.0

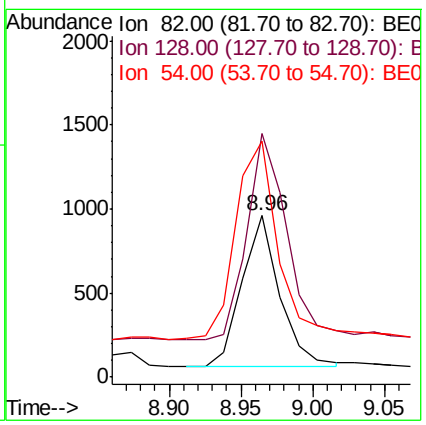


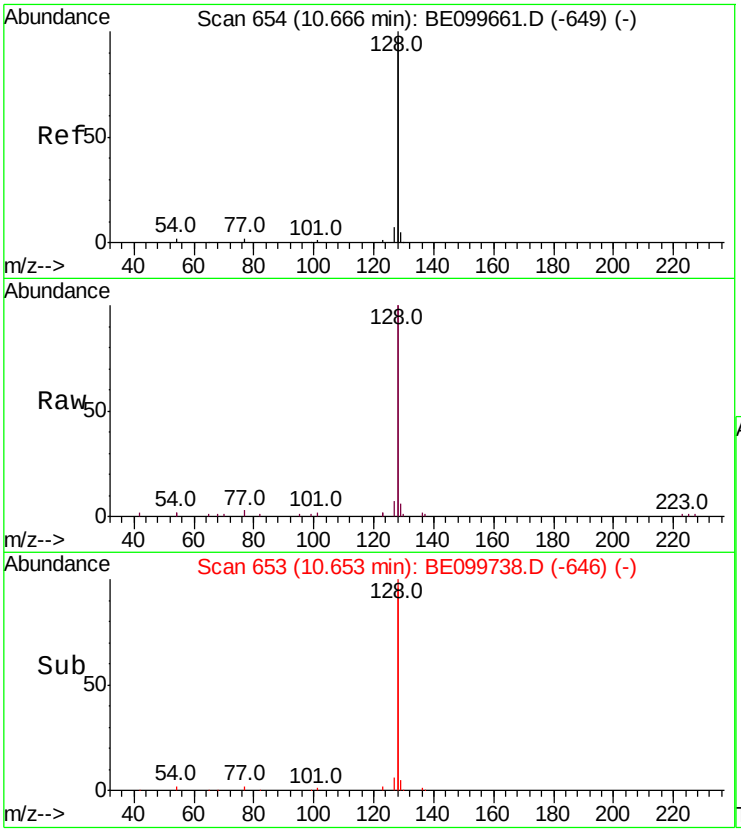


#8
Nitrobenzene-d5
Concen: 0.356 ng
RT: 8.96 min Scan# 523
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion: 82 Resp: 1652

Ion	Ratio	Lower	Upper
82	100		
128	151.1	117.7	176.5
54	146.6	106.6	160.0



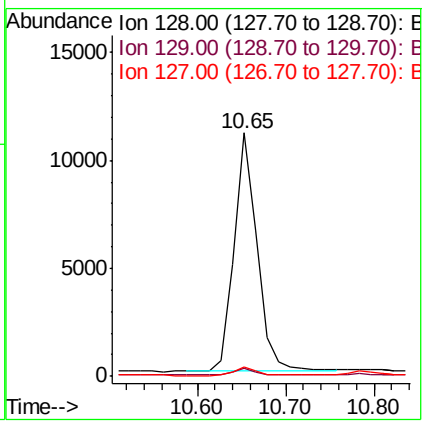


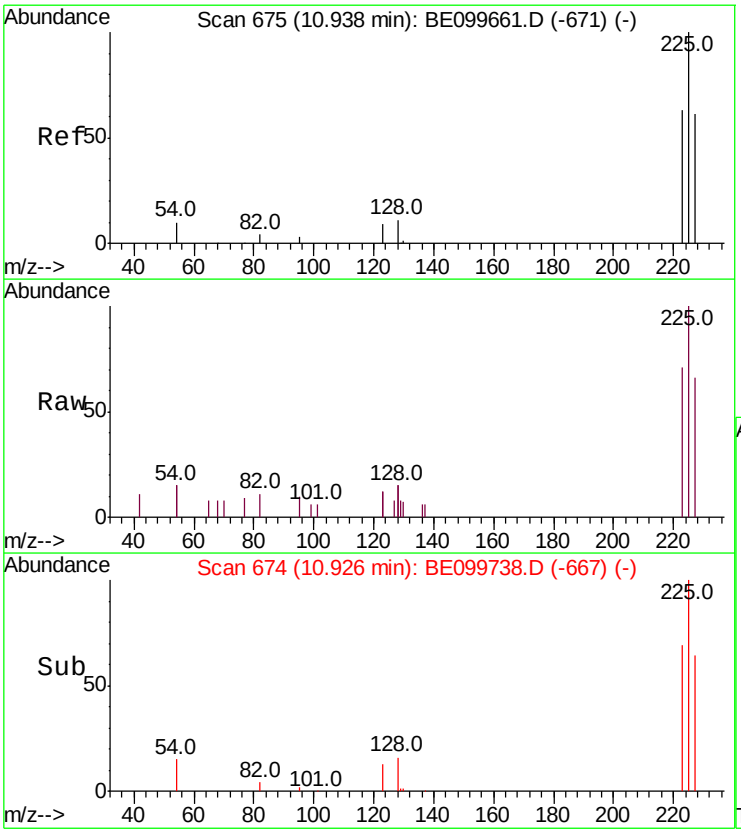
#9
Naphthalene
Concen: 0.350 ng
RT: 10.65 min Scan# 653
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:128 Resp: 20066

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

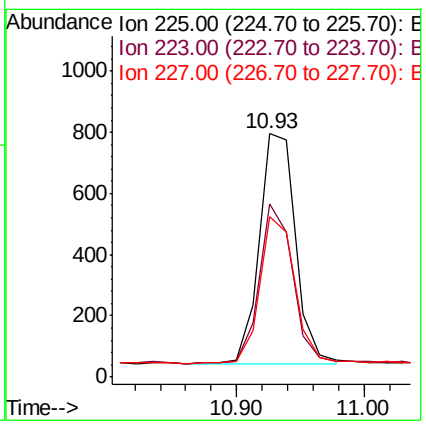


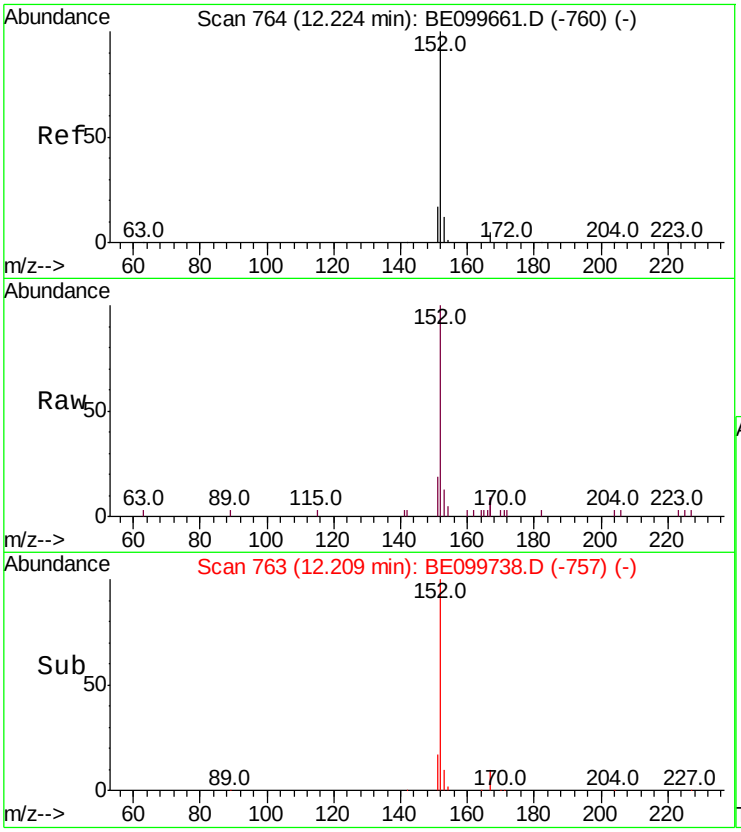


#10
Hexachlorobutadiene
Concen: 0.350 ng
RT: 10.93 min Scan# 674
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:225 Resp: 1478

Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.8	77.6
227	61.0	52.6	79.0



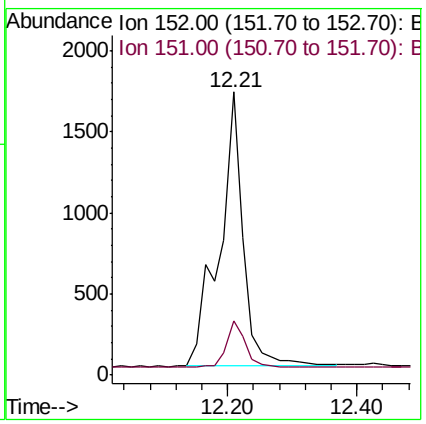


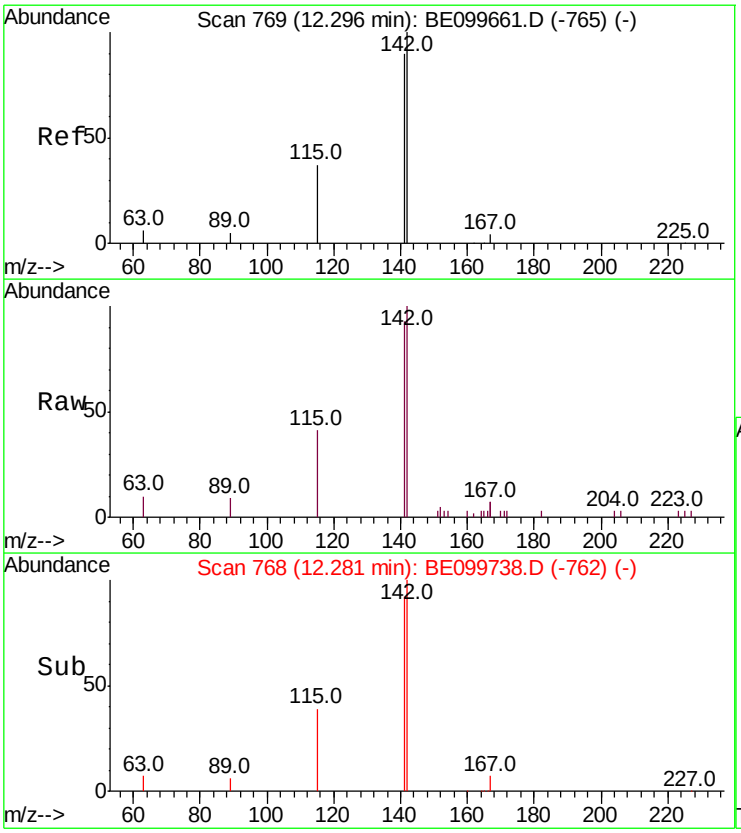
#11
2-Methylnaphthalene-d10
Concen: 0.460 ng
RT: 12.21 min Scan# 763
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:152 Resp: 4256

Ion	Ratio	Lower	Upper
152	100		
151	13.7	15.0	22.4#

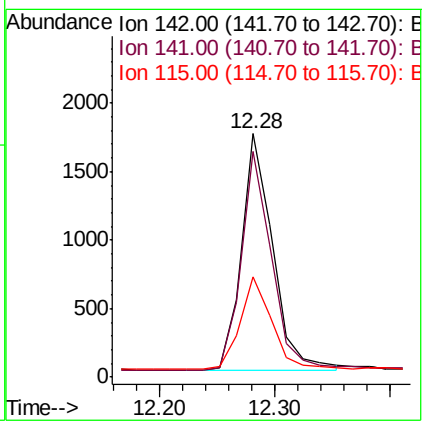


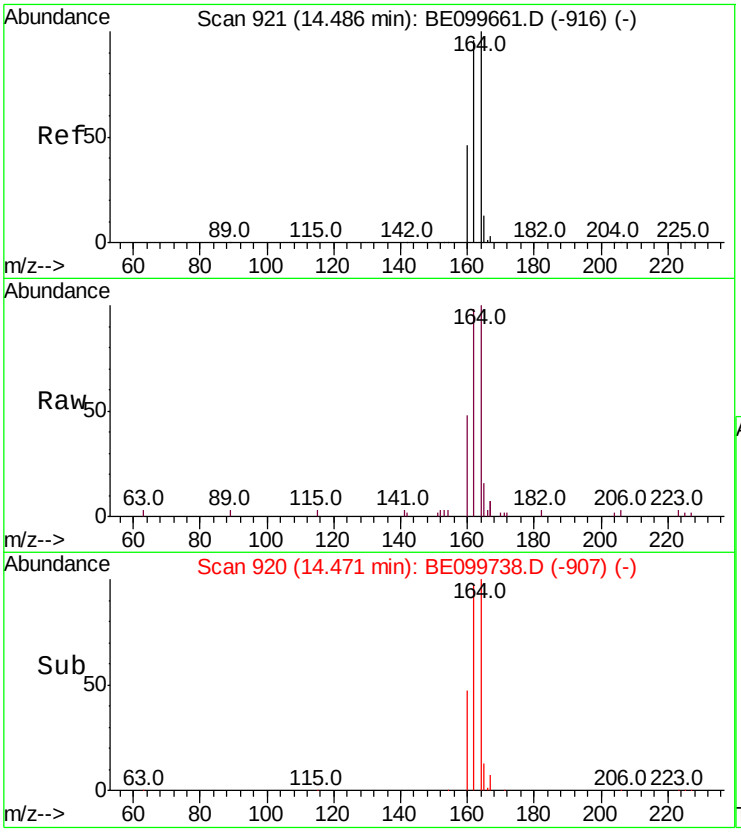


#12
2-Methylnaphthalene
Concen: 0.347 ng
RT: 12.28 min Scan# 768
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:142 Resp: 3237

Ion	Ratio	Lower	Upper
142	100		
141	92.5	72.0	108.0
115	41.2	31.0	46.4



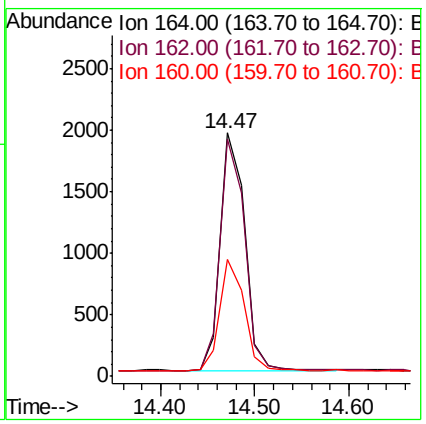


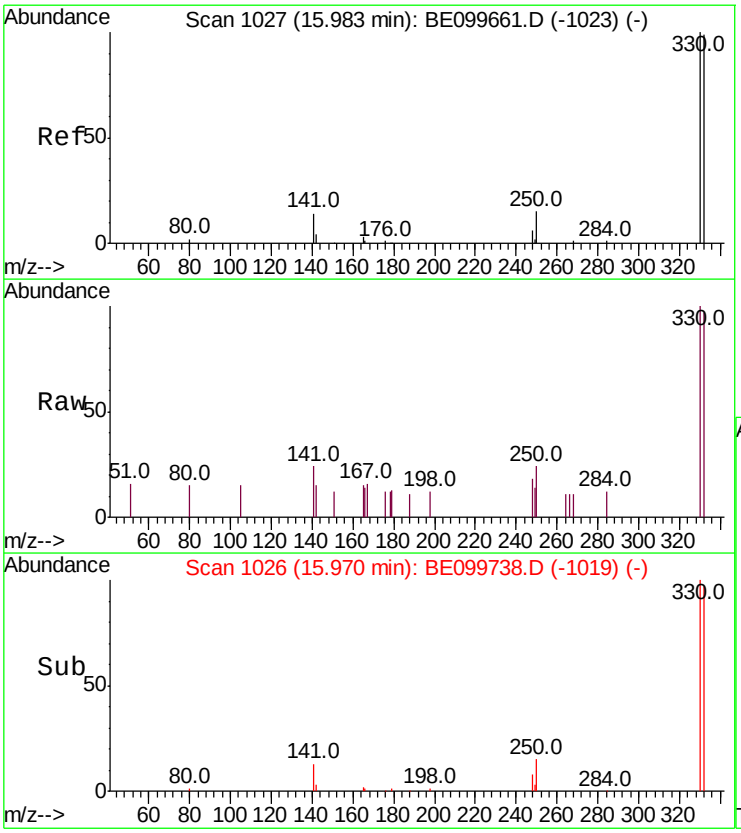
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.47 min Scan# 920
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:164 Resp: 3456

Ion	Ratio	Lower	Upper
164	100		
162	97.7	76.5	114.7
160	47.9	37.4	56.2

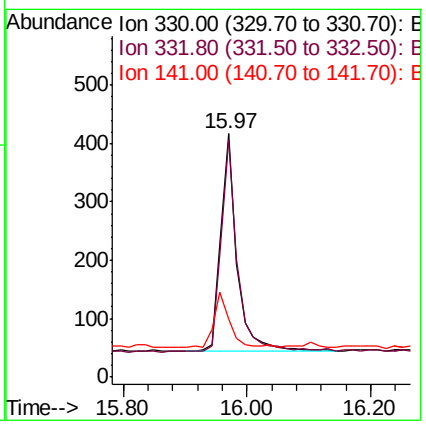


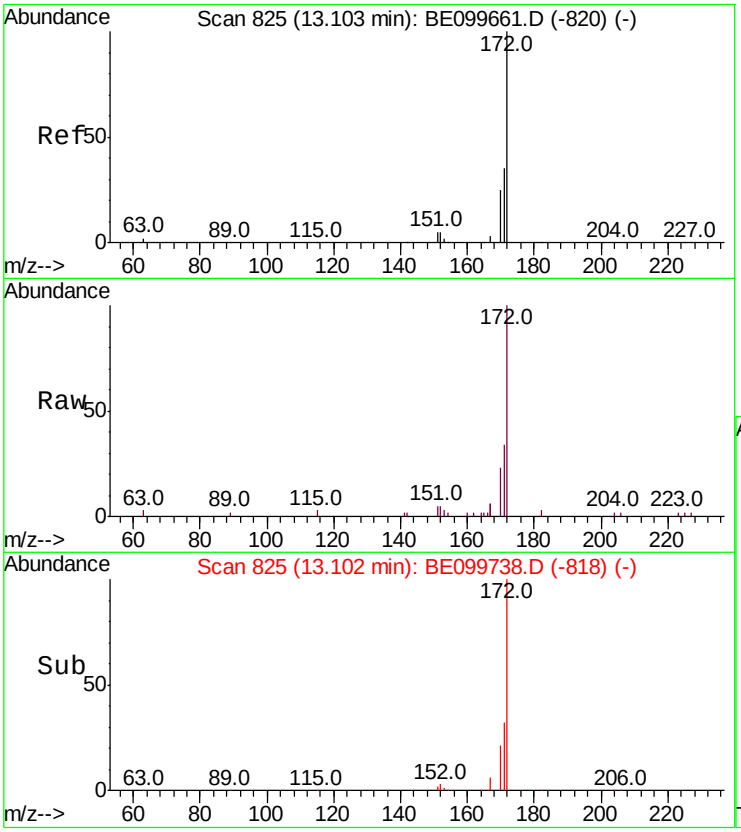


#14
2,4,6-Tribromophenol
Concen: 0.390 ng
RT: 15.97 min Scan# 1026
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:330 Resp: 679

Ion	Ratio	Lower	Upper
330	100		
332	95.0	77.3	115.9
141	23.1	18.9	28.3



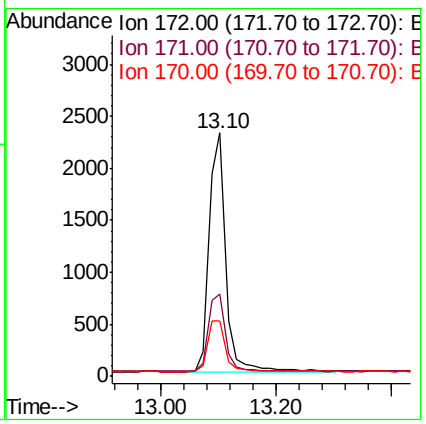


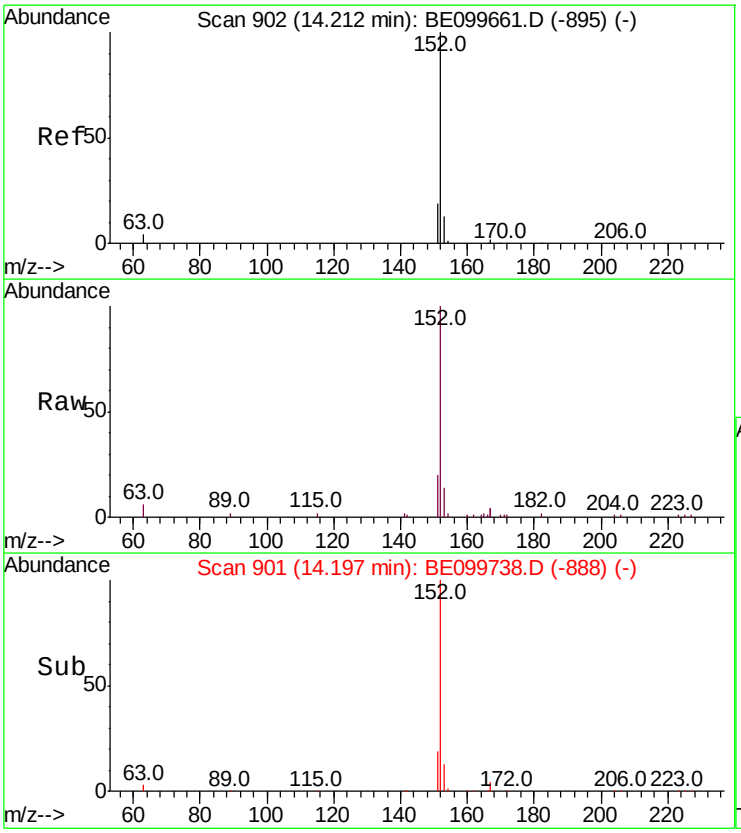
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 13.10 min Scan# 825
Delta R.T. -0.00 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:172 Resp: 4576

Ion	Ratio	Lower	Upper
172	100		
171	34.0	28.7	43.1
170	22.6	20.9	31.3

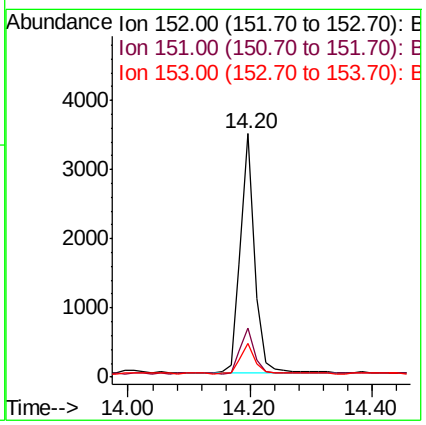


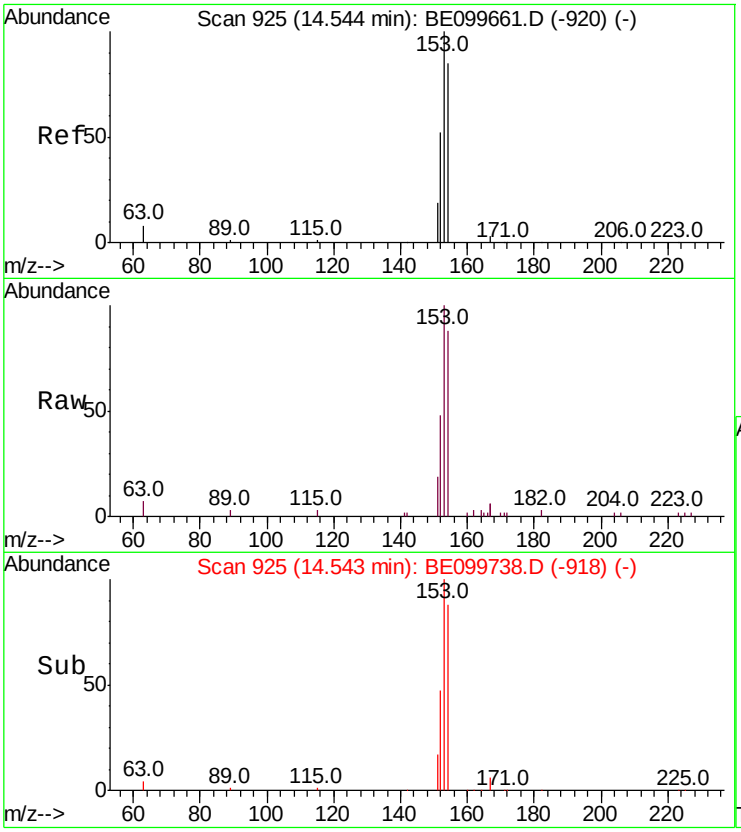


#16
Acenaphthylene
Concen: 0.352 ng
RT: 14.20 min Scan# 901
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:152 Resp: 5668

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.9	23.9
153	12.9	10.6	16.0



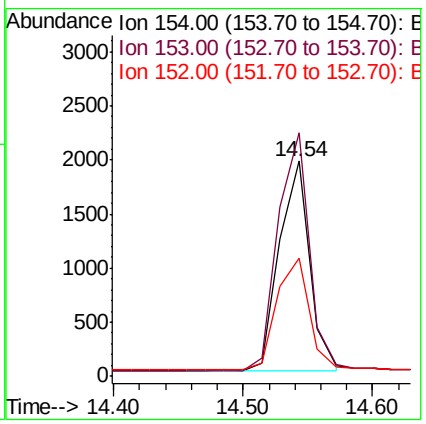


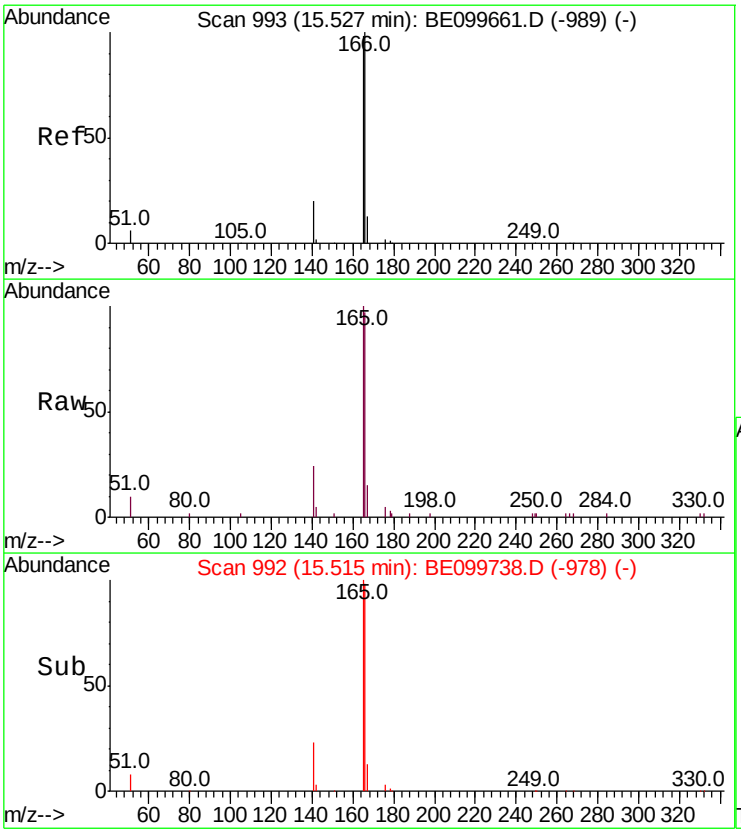
#17
Acenaphthene
Concen: 0.353 ng
RT: 14.54 min Scan# 925
Delta R.T. -0.00 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:154 Resp: 3187

Ion	Ratio	Lower	Upper
154	100		
153	116.8	91.8	137.6
152	56.9	46.0	69.0

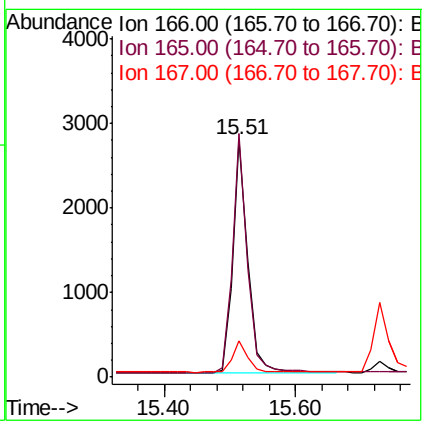


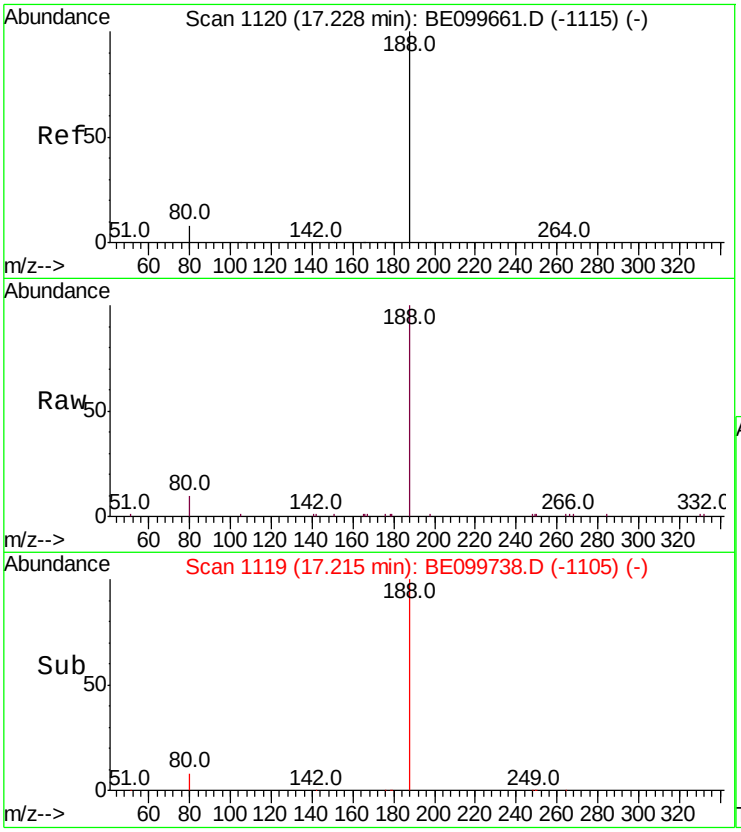


#18
Fluorene
Concen: 0.341 ng
RT: 15.51 min Scan# 992
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:166 Resp: 4538

Ion	Ratio	Lower	Upper
166	100		
165	100.9	80.3	120.5
167	14.2	10.6	16.0



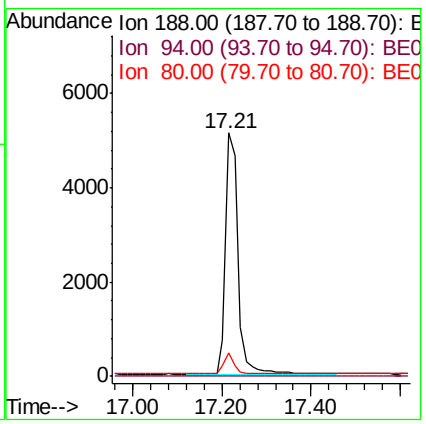


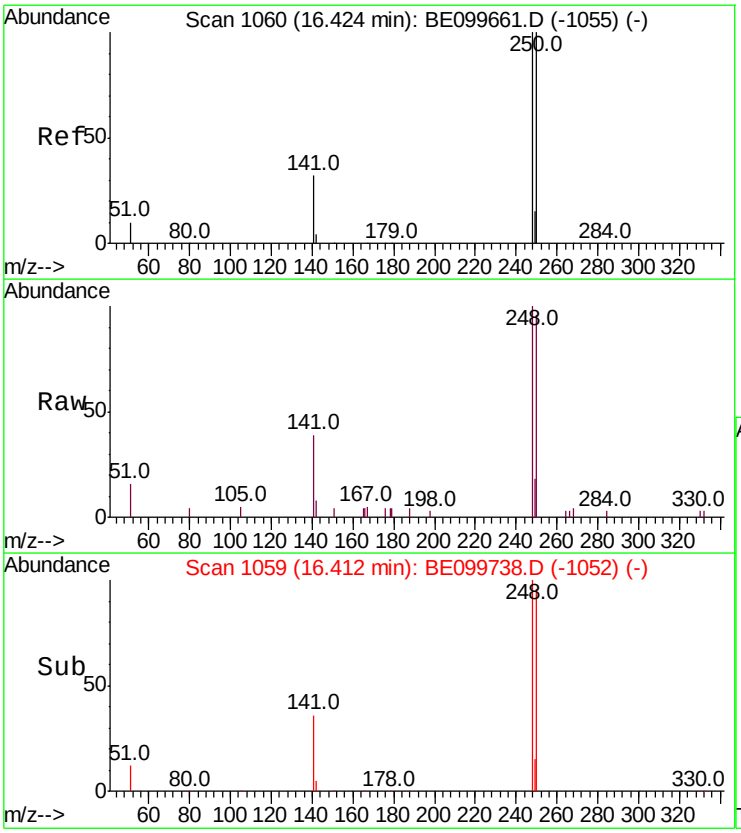
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.21 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:188 Resp: 9973

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	6.7	10.1

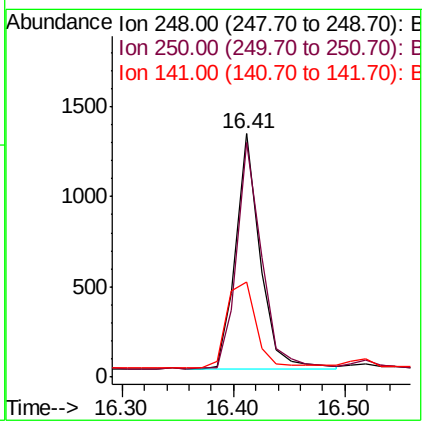


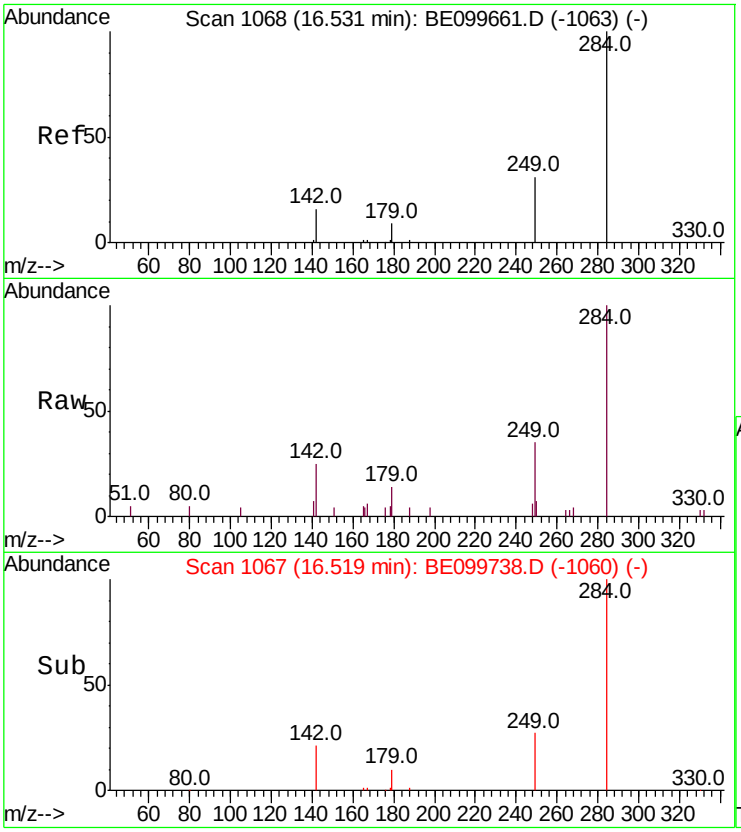


#20
4-Bromophenyl-phenylether
Concen: 0.346 ng
RT: 16.41 min Scan# 1059
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:248 Resp: 1991

Ion	Ratio	Lower	Upper
248	100		
250	96.1	79.8	119.8
141	39.2	27.0	40.6



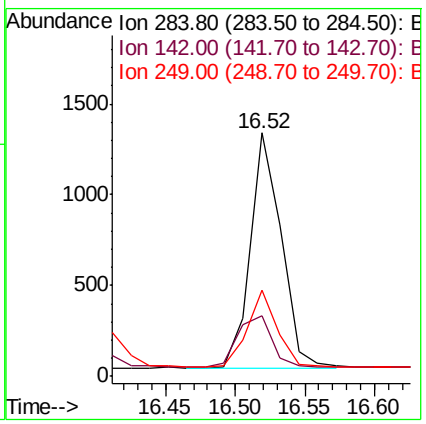


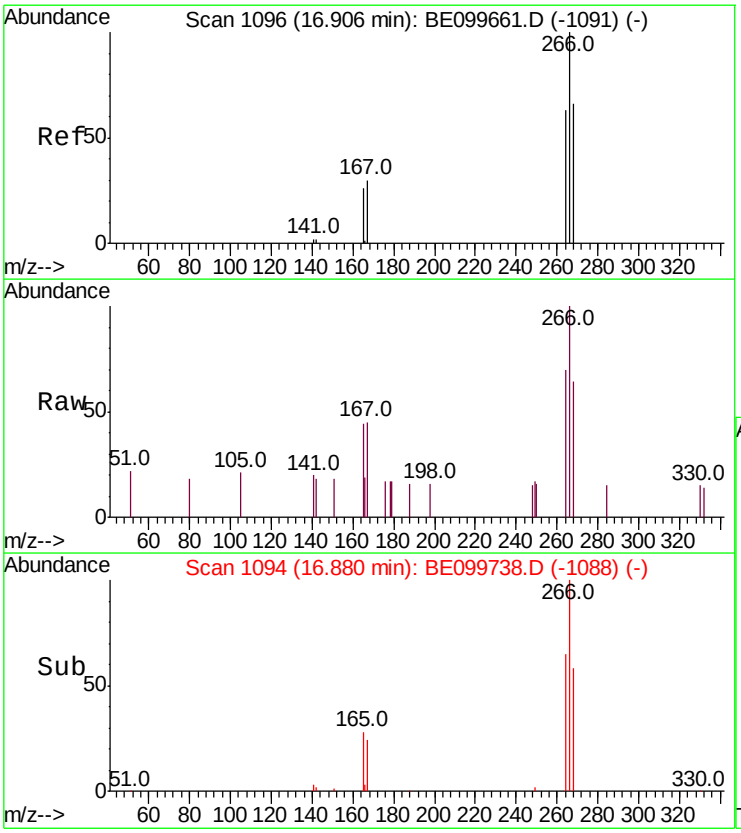
#21
Hexachlorobenzene
Concen: 0.339 ng
RT: 16.52 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:284 Resp: 1997

Ion	Ratio	Lower	Upper
284	100		
142	24.4	17.8	26.6
249	30.8	24.8	37.2

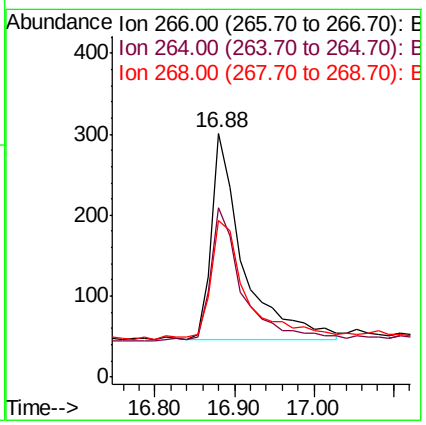


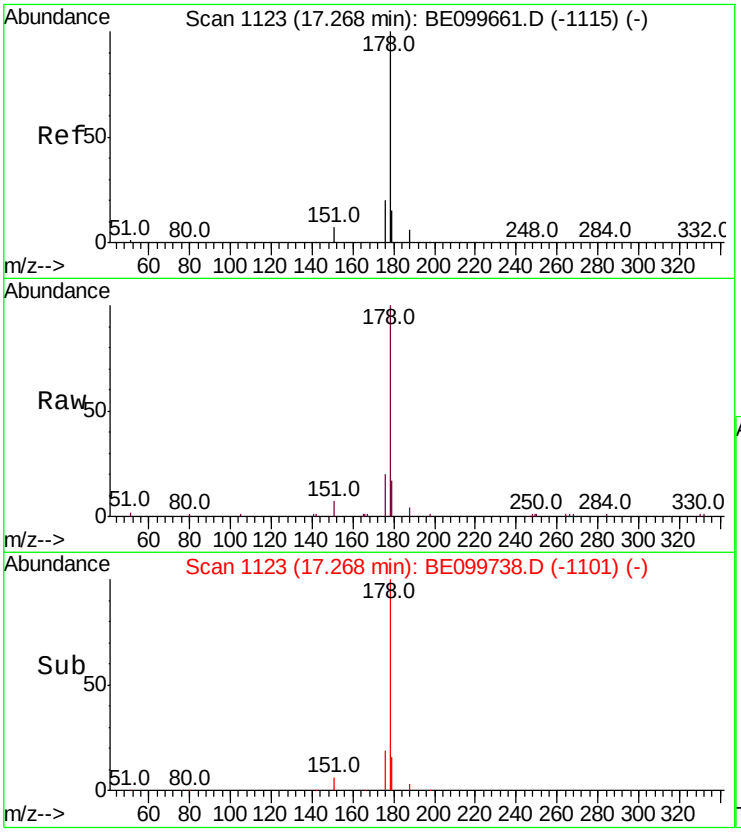


#22
Pentachlorophenol
Concen: 0.559 ng
RT: 16.88 min Scan# 1094
Delta R.T. -0.03 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:266 Resp: 699

Ion	Ratio	Lower	Upper
266	100		
264	69.8	57.2	85.8
268	64.5	60.5	90.7



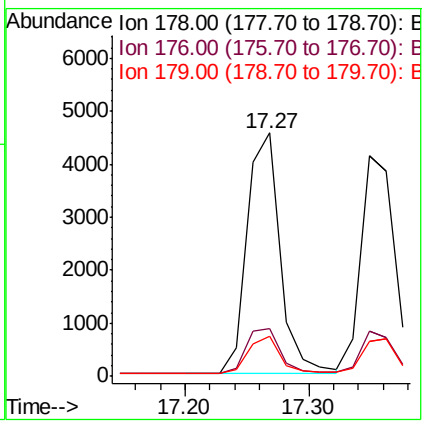


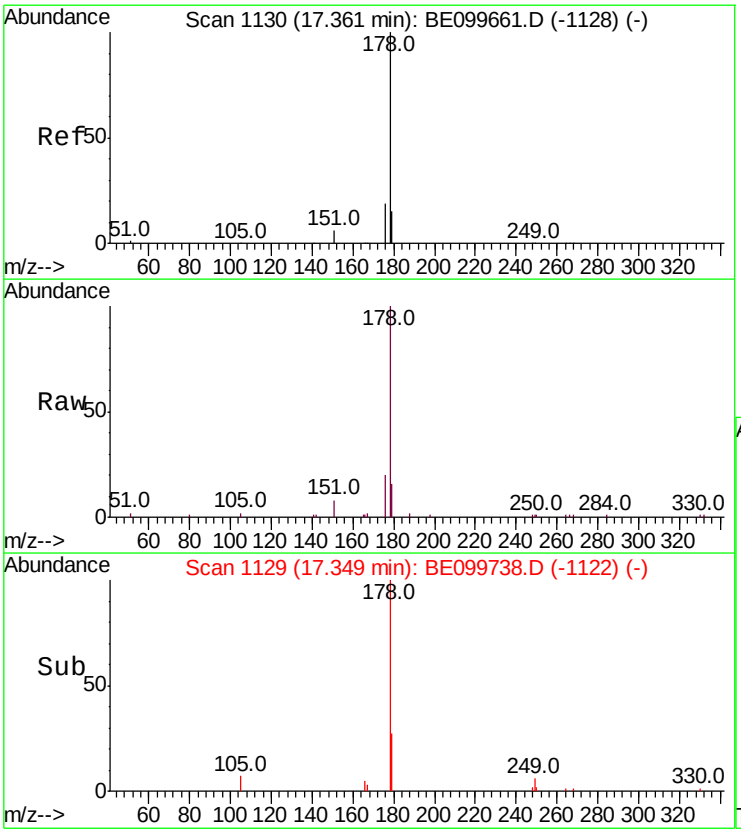
#23
Phenanthrene
Concen: 0.345 ng
RT: 17.27 min Scan# 1123
Delta R.T. 0.00 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:178 Resp: 8415

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.6	23.4
179	15.3	12.2	18.4

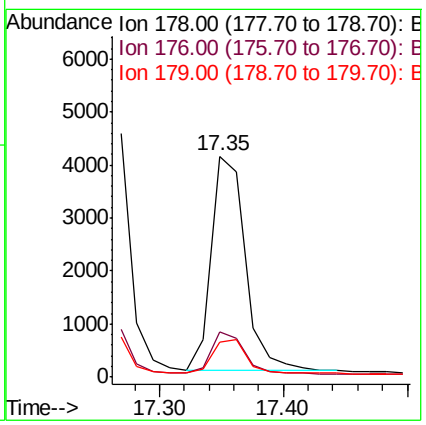


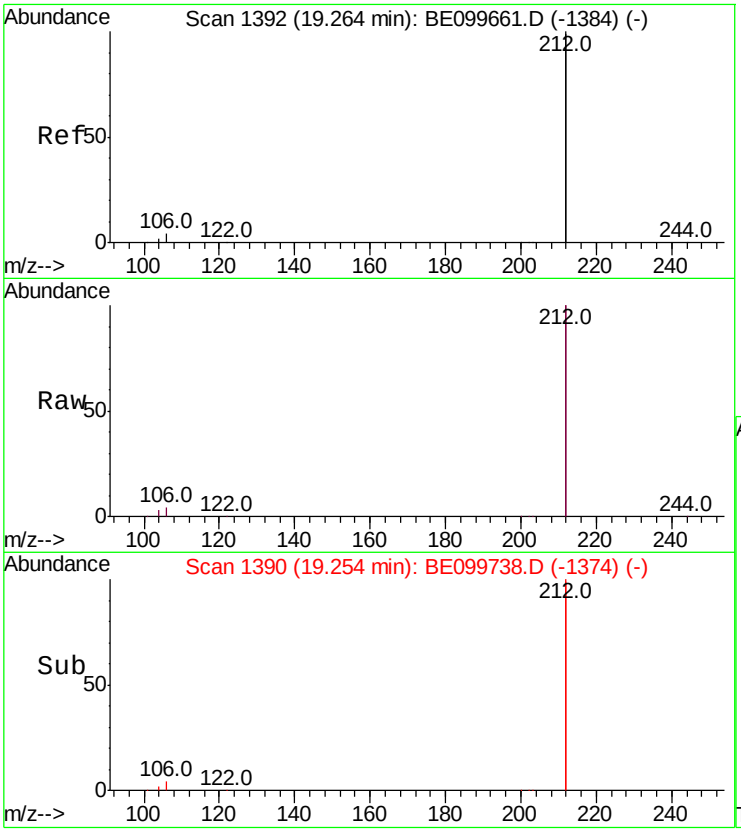


#24
Anthracene
Concen: 0.348 ng
RT: 17.35 min Scan# 1129
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:178 Resp: 7684

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.7	22.1
179	15.9	12.0	18.0



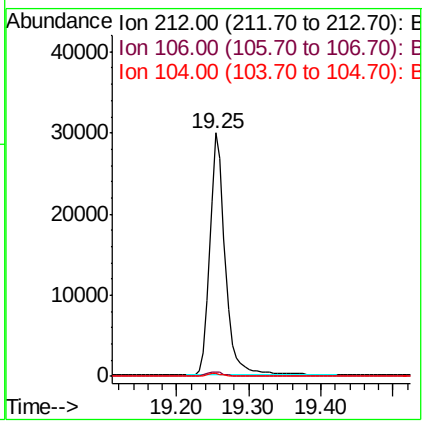


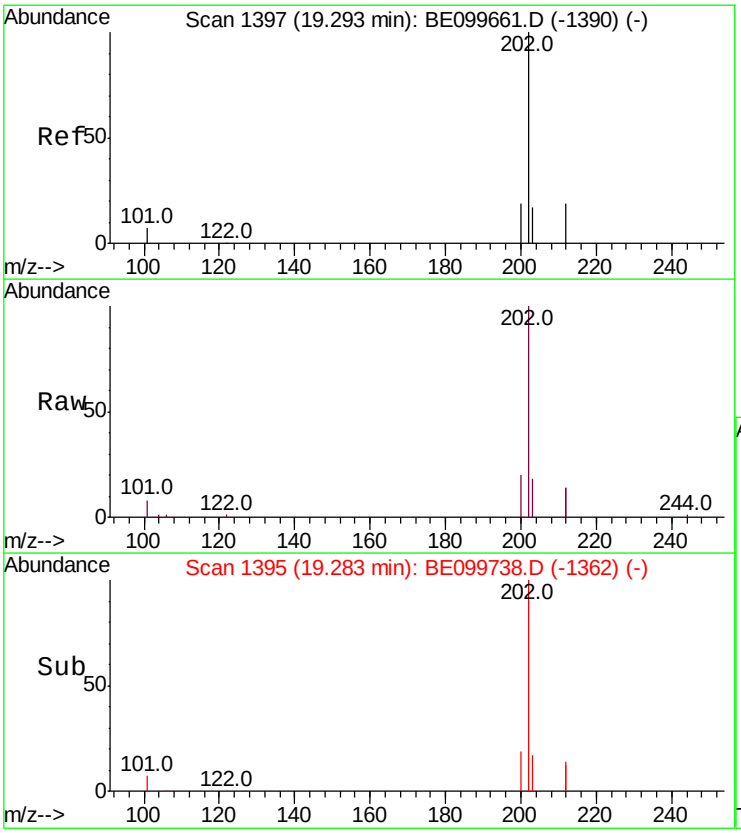
#25
Fluoranthene-d10
Concen: 0.323 ng
RT: 19.25 min Scan# 1390
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:212 Resp: 44083

Ion	Ratio	Lower	Upper
212	100		
106	1.9	1.4	2.2
104	1.1	0.8	1.2

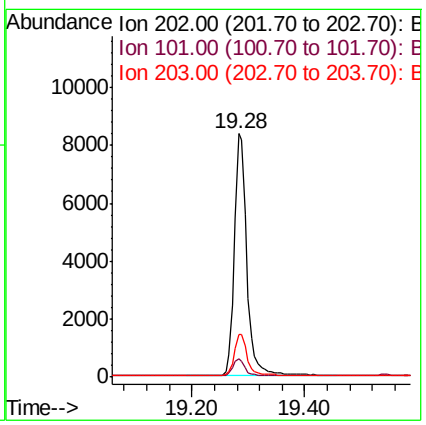


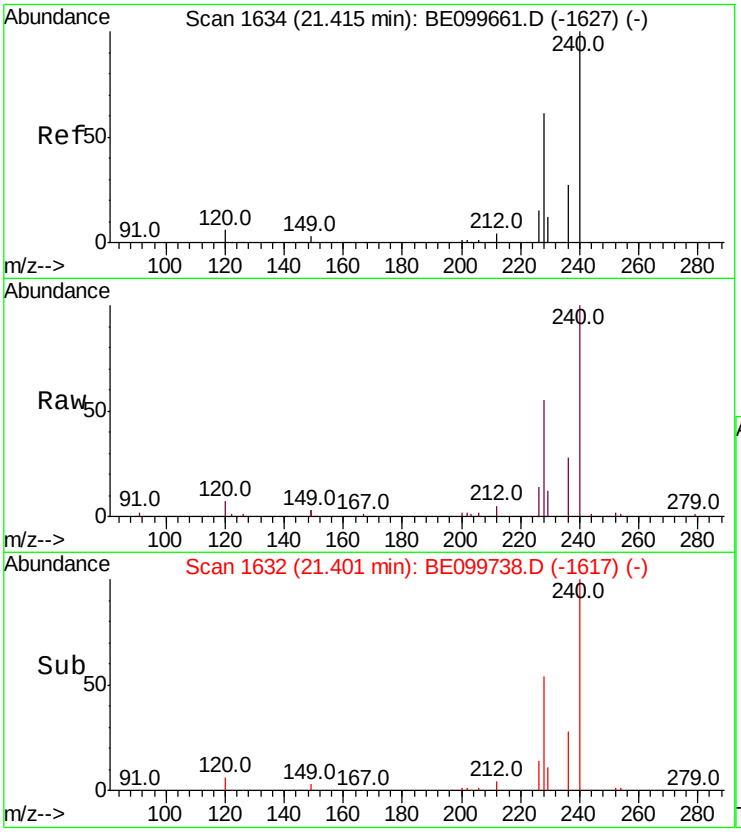


#26
Fluoranthene
Concen: 0.337 ng
RT: 19.28 min Scan# 1395
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:202 Resp: 12970

Ion	Ratio	Lower	Upper
202	100		
101	6.6	5.2	7.8
203	17.0	13.8	20.6



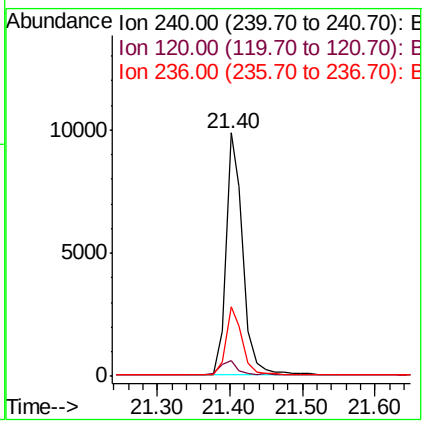


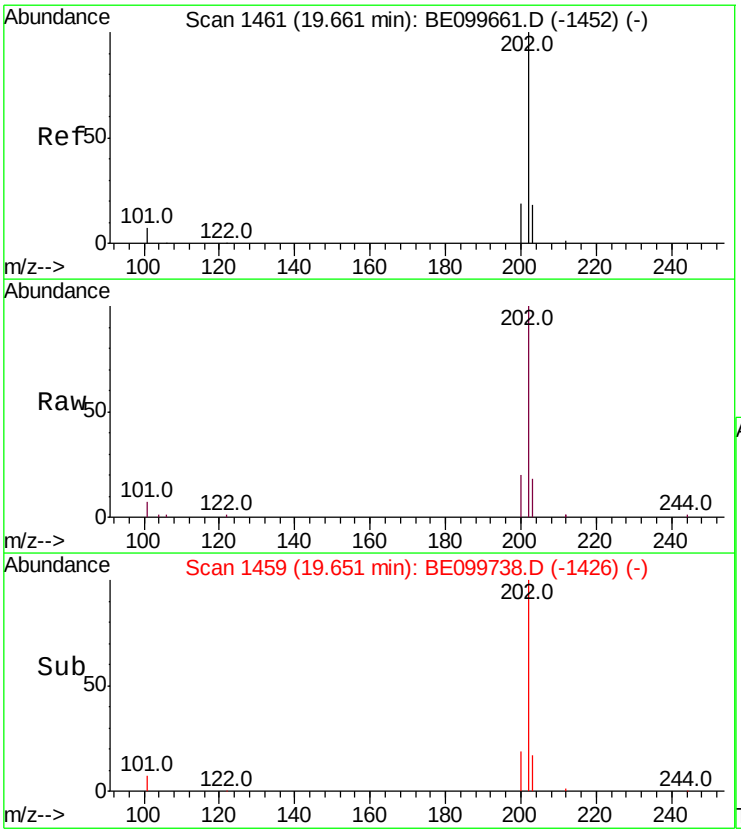
#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.40 min Scan# 1632
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:240 Resp: 16190

Ion	Ratio	Lower	Upper
240	100		
120	6.6	5.4	8.0
236	28.5	21.7	32.5

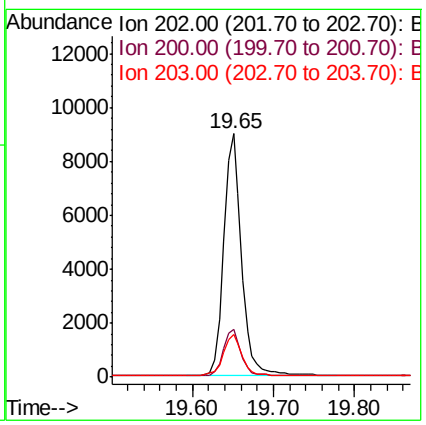


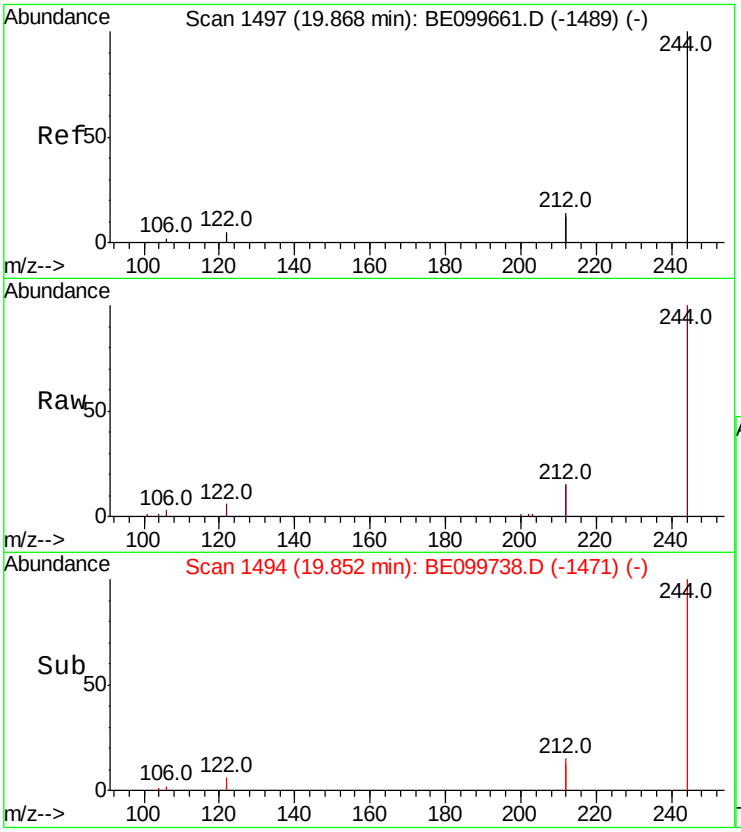


#28
Pyrene
Concen: 0.331 ng
RT: 19.65 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:202 Resp: 13480

Ion	Ratio	Lower	Upper
202	100		
200	19.5	15.4	23.2
203	17.7	13.8	20.8



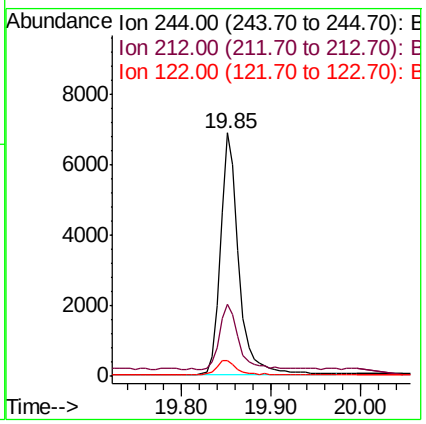


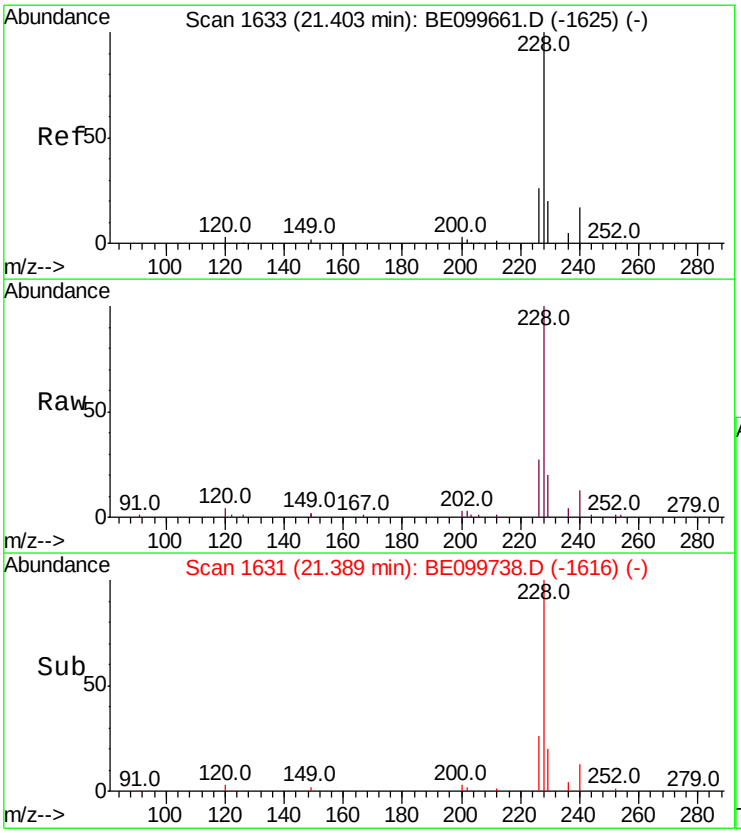
#29
Terphenyl-d14
Concen: 0.332 ng
RT: 19.85 min Scan# 1494
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:244 Resp: 9581

Ion	Ratio	Lower	Upper
244	100		
212	29.7	22.5	33.7
122	6.5	4.3	6.5#

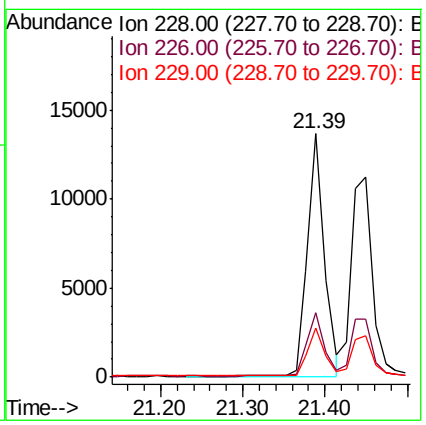


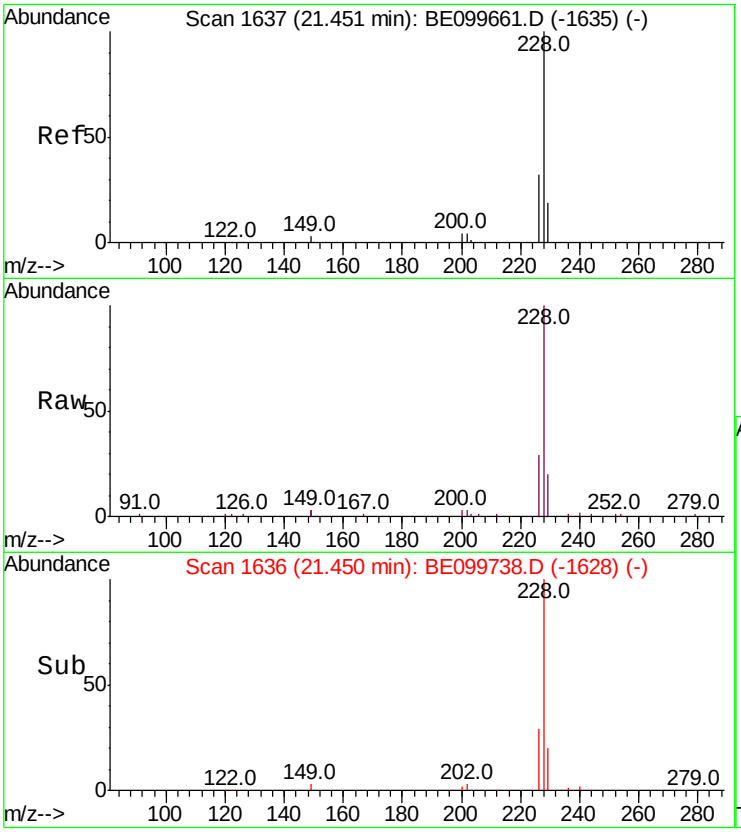


#30
Benzo(a)anthracene
Concen: 0.416 ng
RT: 21.39 min Scan# 1631
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:228 Resp: 19147

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.3	31.9
229	20.2	16.1	24.1



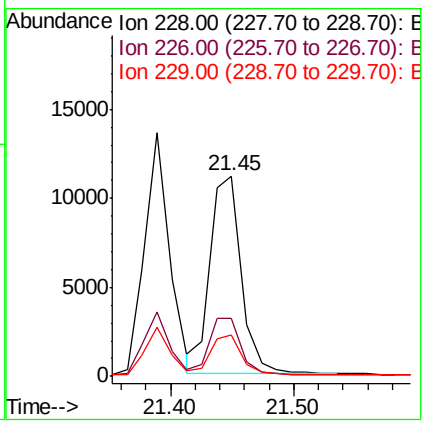


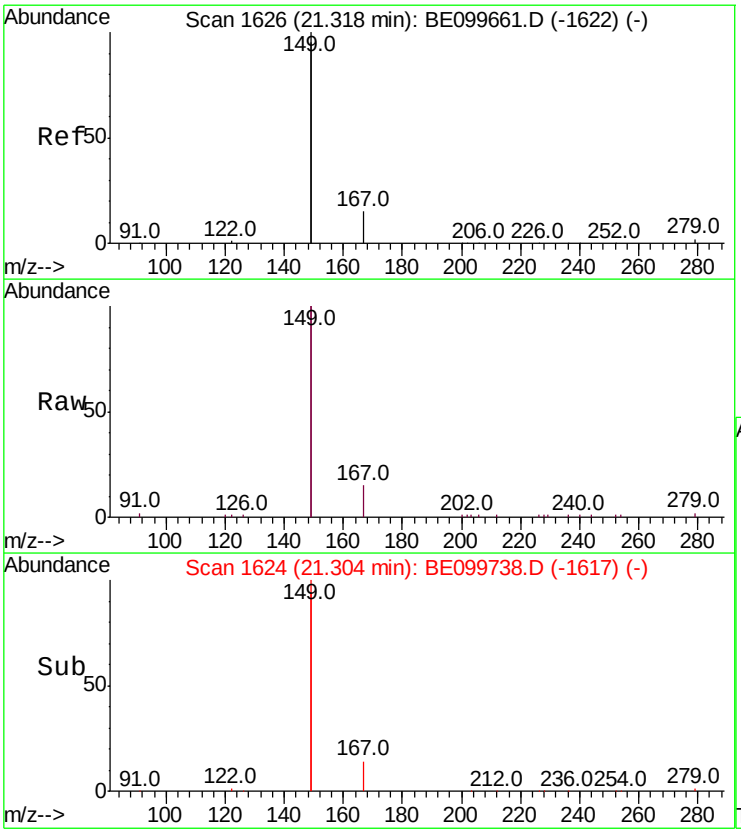
#31
Chrysene
Concen: 0.398 ng
RT: 21.45 min Scan# 1636
Delta R.T. -0.00 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:228 Resp: 19562

Ion	Ratio	Lower	Upper
228	100		
226	29.0	24.7	37.1
229	20.4	15.8	23.6

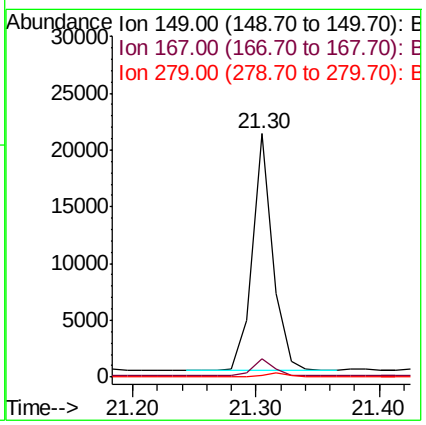


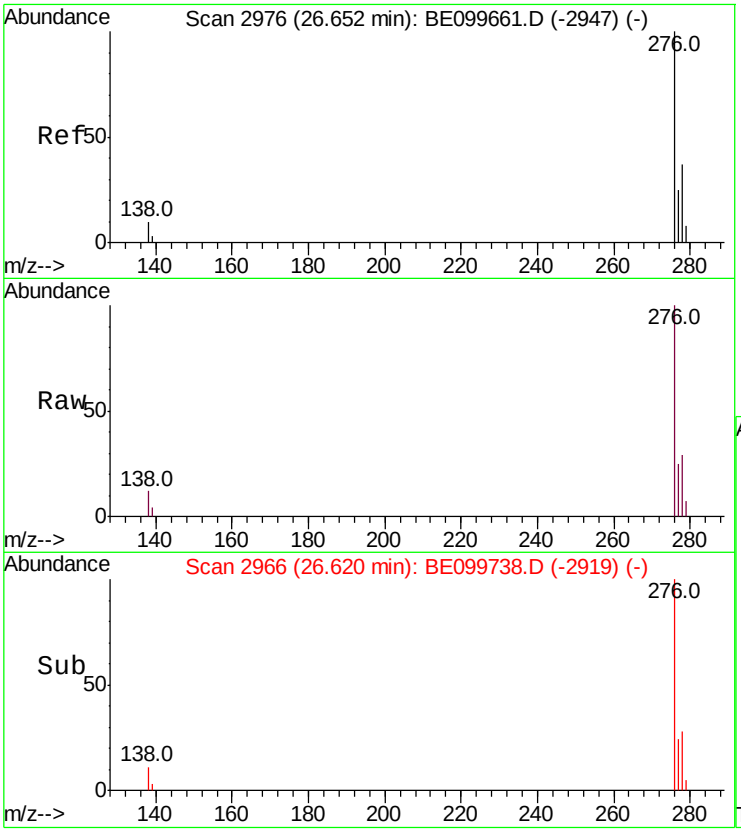


#32
Bis(2-ethylhexyl)phthalate
Concen: 0.456 ng
RT: 21.30 min Scan# 1624
Delta R.T. -0.01 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:149 Resp: 24188

Ion	Ratio	Lower	Upper
149	100		
167	7.6	6.2	9.4
279	1.5	1.2	1.8



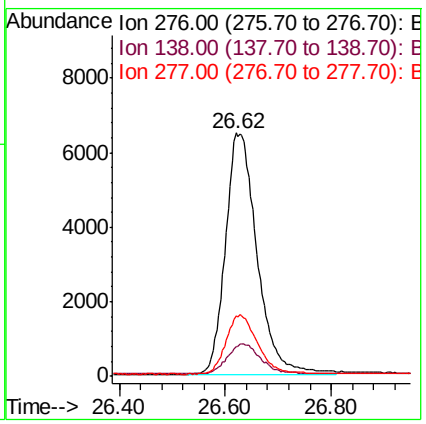


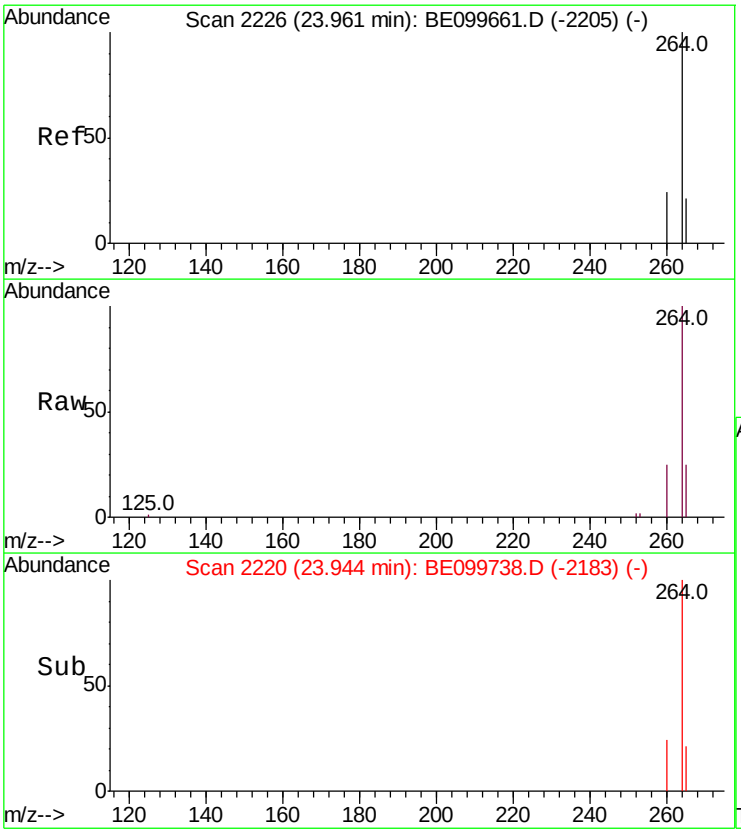
#33
Indeno(1,2,3-cd)pyrene
Concen: 0.452 ng
RT: 26.62 min Scan# 2966
Delta R.T. -0.03 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:276 Resp: 26859

Ion	Ratio	Lower	Upper
276	100		
138	12.6	9.6	14.4
277	24.5	19.2	28.8

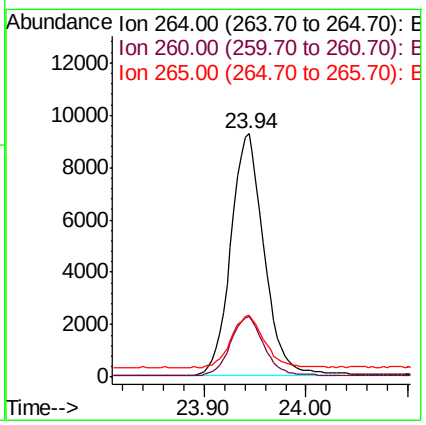


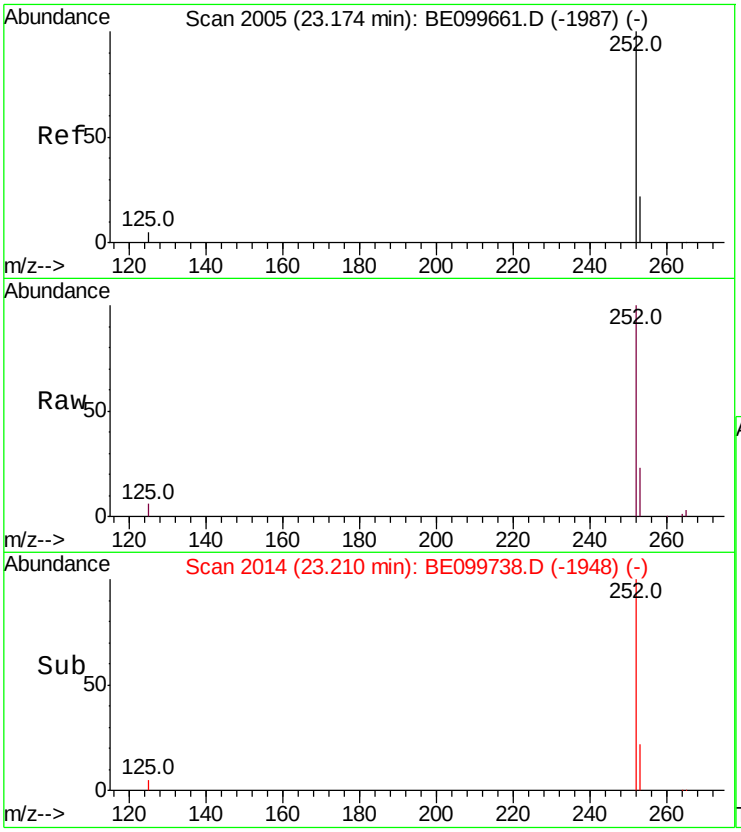


#34
Perylene-d12
Concen: 0.400 ng
RT: 23.94 min Scan# 2220
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:264 Resp: 20925

Ion	Ratio	Lower	Upper
264	100		
260	24.9	19.6	29.4
265	25.4	19.1	28.7



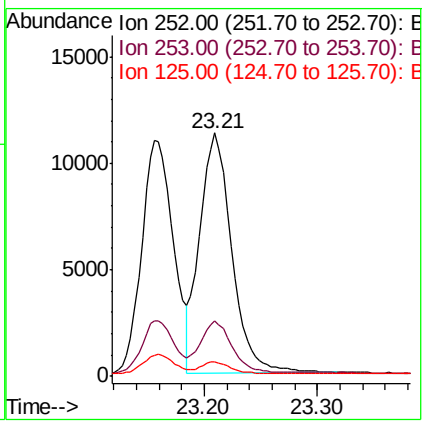


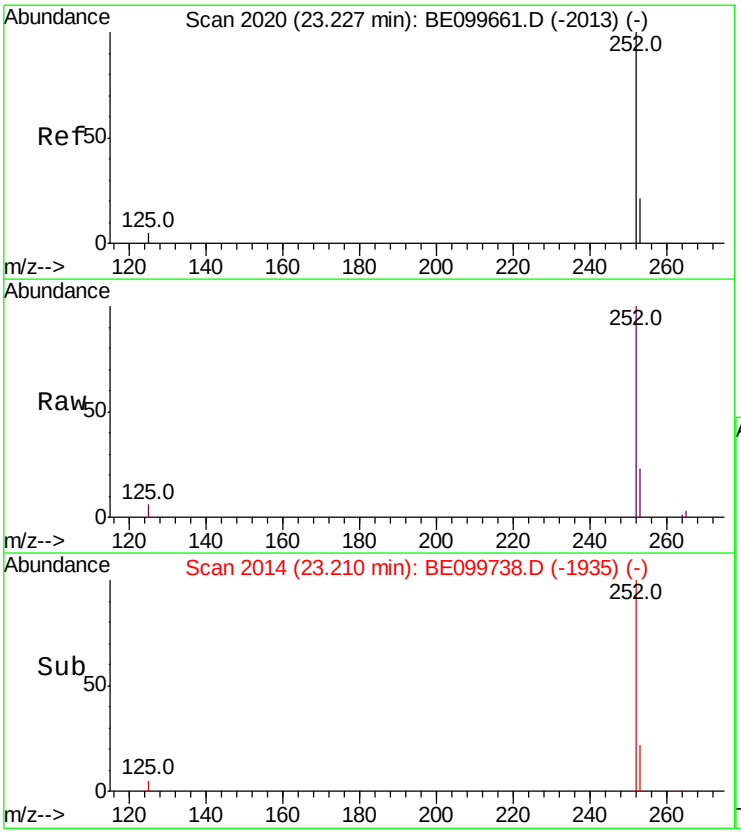
#35
Benzo(b)fluoranthene
Concen: 0.390 ng
RT: 23.21 min Scan# 2014
Delta R.T. 0.04 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:252 Resp: 22340

Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.2	27.4
125	5.9	4.5	6.7

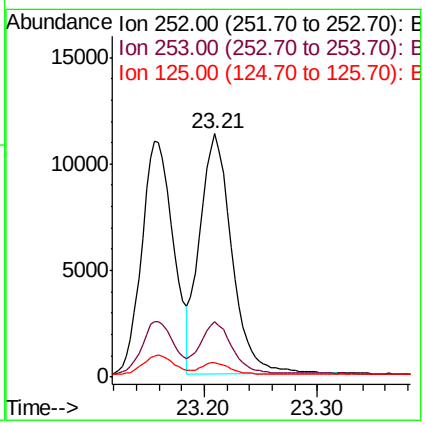


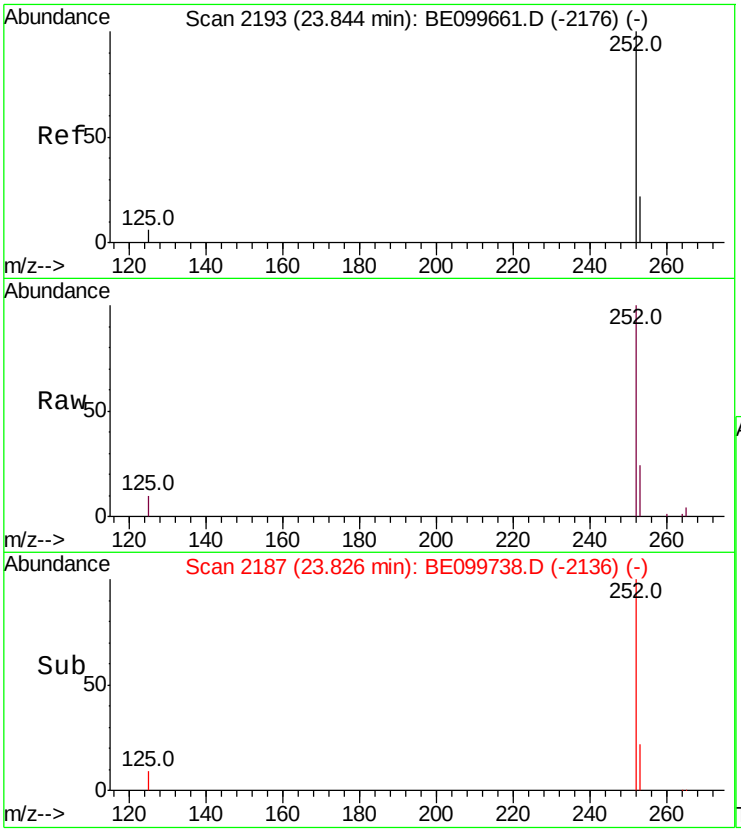


#36
Benzo(k)fluoranthene
Concen: 0.374 ng
RT: 23.21 min Scan# 2014
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:252 Resp: 22340

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.8	26.8
125	5.9	4.6	6.8



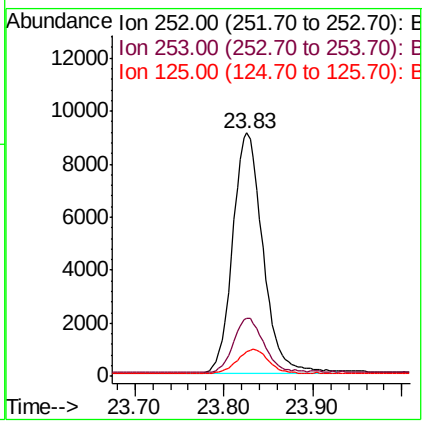


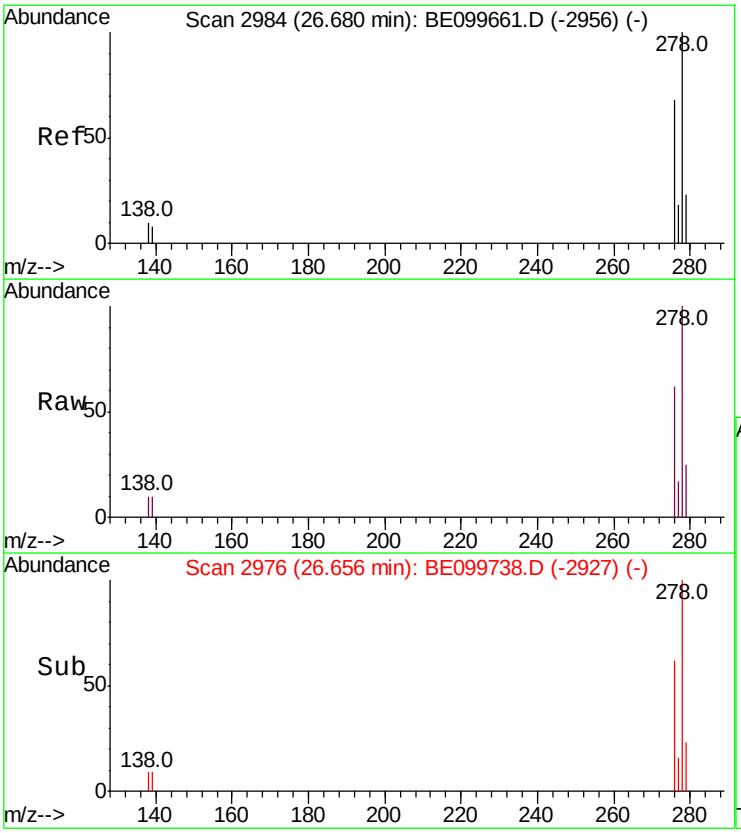
#37
Benzo(a)pyrene
Concen: 0.389 ng
RT: 23.83 min Scan# 2187
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:252 Resp: 21461

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.9	28.3
125	10.2	5.4	8.0#

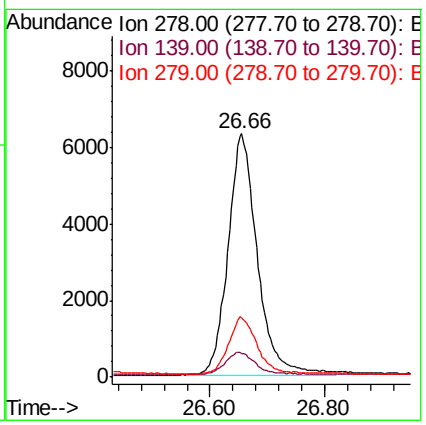


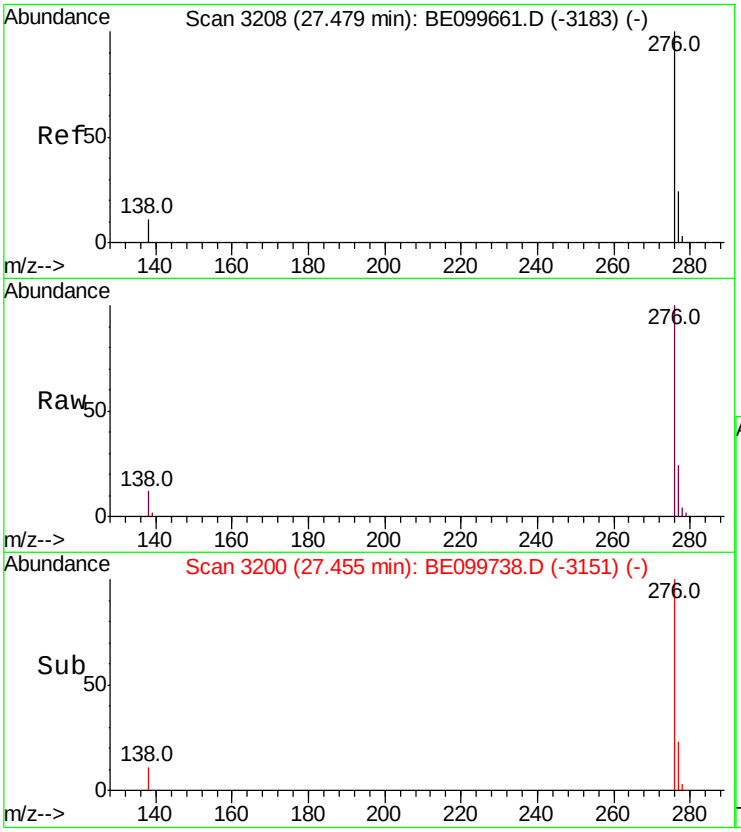


#38
Dibenzo(a,h)anthracene
Concen: 0.386 ng
RT: 26.66 min Scan# 2976
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Tgt Ion:278 Resp: 22382

Ion	Ratio	Lower	Upper
278	100		
139	9.7	6.9	10.3
279	24.5	19.2	28.8





#39
Benzo(g,h,i)perylene
Concen: 0.380 ng
RT: 27.45 min Scan# 3200
Delta R.T. -0.02 min
Lab File: BE099738.D
Acq: 24 May 2019 12:35

Instrument :
BNA_E
ClientSampleId :
PB120031BS

Tgt Ion:276 Resp: 22262

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.8	29.6
138	12.3	9.2	13.8